

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035511.D
 Acq On : 27 Aug 2020 6:02
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:38 PM

Quant Time: Aug 27 06:43:01 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 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	991753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4513389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4860686	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3389370	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1907685	10.518	ppbv 99
3) Chlorodifluoromethane	2.99	51	1562767	13.956	ppbv 98
4) Chloromethane	3.14	50	854965	14.668	ppbv 100
5) Vinyl Chloride	3.26	62	1012100	14.772	ppbv 97
6) Bromomethane	3.48	94	900231	14.329	ppbv 99
7) Chloroethane	3.56	64	382338	14.609	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2632785	12.227	ppbv 98
9) Propene	3.01	41	619622	14.225	ppbv 99
10) Heptane	8.15	43	1698571	14.643	ppbv 99
11) Trichlorofluoromethane	3.96	101	3496612	13.363	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2696331	13.807	ppbv 99
13) Ethanol	3.62	45	136611	11.179	ppbv 97
14) Bromoethene	3.75	108	1243407	14.635	ppbv 98
15) Acetone	3.86	43	1487855	13.987	ppbv 99
16) 1,3-Butadiene	3.33	39	619518	14.665	ppbv 99
17) tert-Butyl alcohol	4.30	59	1932465	14.275	ppbv 100
18) 1,1-Dichloroethene	4.30	96	1263699	14.617	ppbv 98
19) Isopropyl Alcohol	3.98	45	952684	13.858	ppbv 100
20) Methylene Chloride	4.35	84	1009654	8.904	ppbv 98
21) Allyl Chloride	4.42	41	817691	15.246	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	1349906	14.784	ppbv 99
23) Vinyl Acetate	5.09	43	2232027	15.945	ppbv 98
24) 1,1-Dichloroethane	5.03	63	2098551	14.287	ppbv 100
25) Ethyl Acetate	5.69	43	2708845	13.444	ppbv 99
26) Hexane	5.71	57	1557407	12.710	ppbv 99
27) Carbon Disulfide	4.56	76	2640024	16.213	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2885557	14.517	ppbv 100
29) Chloroform	5.77	83	3234098	13.923	ppbv 98
30) Cyclohexane	7.15	84	1852538	15.064	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1748345	15.113	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	3307795	15.598	ppbv 99
34) 2-Butanone	5.26	43	1969815	14.765	ppbv 99
35) Carbon Tetrachloride	7.04	117	3519835	16.028	ppbv 99
36) Benzene	6.92	78	4144133	13.957	ppbv 99
37) 1,2-Dichloroethane	6.33	62	2013026	14.317	ppbv 100
38) Trichloroethene	7.86	130	2260620	13.779	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1411605	14.200	ppbv 98
40) 1,4-Dioxane	7.85	88	718698	14.677	ppbv 96
41) Tetrahydrofuran	6.07	42	1122250	15.524	ppbv 99
42) Bromodichloromethane	7.82	83	3452462	15.036	ppbv 98
43) Methyl Methacrylate	8.04	69	1783417	15.512	ppbv 99

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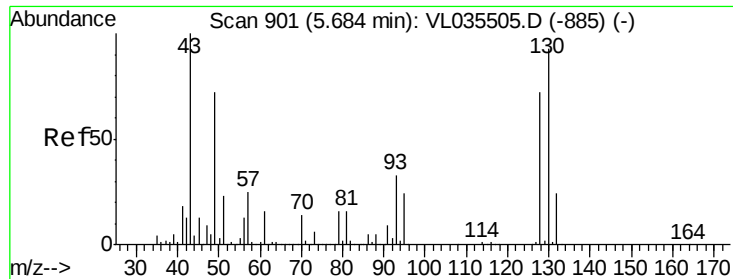
Manual Integrations
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 8/28/2020 3:17:38 PM

Quant Time: Aug 27 06:43:01 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 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	5144098	13.227	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	2072914	17.626	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	2411402	16.543	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	2109637	14.196	ppbv	98
48) Dibromochloromethane	10.34	129	3750271	15.894	ppbv	100
49) Bromoform	13.08	173	3636754	16.635	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	2859658	14.877	ppbv	98
51) 2-Hexanone	10.16	43	2539922	16.123	ppbv #	99
52) Tetrachloroethene	11.26	164	2387720	13.854	ppbv	100
53) Toluene	9.84	91	5281609	14.057	ppbv	98
54) 1,2-Dibromoethane	10.65	107	3385608	14.355	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2923070	14.401	ppbv	97
57) Chlorobenzene	12.18	112	4589981	12.696	ppbv	96
58) Ethyl Benzene	12.74	91	6851231	13.305	ppbv	94
59) m/p-Xylene	13.03	91	11059581m	25.269	ppbv	
60) o-Xylene	13.73	91	5683889	13.185	ppbv	98
61) Styrene	13.56	104	4844386	14.590	ppbv	98
62) Isopropylbenzene	14.71	105	8514667	12.216	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.72	83	4011902	12.732	ppbv	99
64) n-propylbenzene	15.60	120	2953309	13.924	ppbv	88
65) tert-Butylbenzene	16.79	119	8215661	12.416	ppbv	97
66) Benzyl Chloride	17.03	91	3219049	19.997	ppbv	99
67) sec-Butylbenzene	17.34	105	10272300	11.674	ppbv	95
69) p-Isopropyltoluene	17.70	119	9320932	12.157	ppbv	95
70) n-Butylbenzene	18.59	91	8968729	12.180	ppbv	96
71) 2-Chlorotoluene	15.49	91	6694159	13.271	ppbv	97
72) 4-Ethyltoluene	15.88	105	7308313	13.290	ppbv	97
73) 1,3,5-Trimethylbenzene	16.04	105	6819183	13.408	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	6979636	12.509	ppbv	92
75) 1,3-Dichlorobenzene	17.04	146	5291266	12.657	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	5371486	12.863	ppbv	98
77) 1,2-Dichlorobenzene	17.86	146	5242320	12.730	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	3355834	11.871	ppbv	99
79) Naphthalene	22.26	128	8867941	12.771	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	3889222	14.250	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	5222376	12.791	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

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MSVOA_L

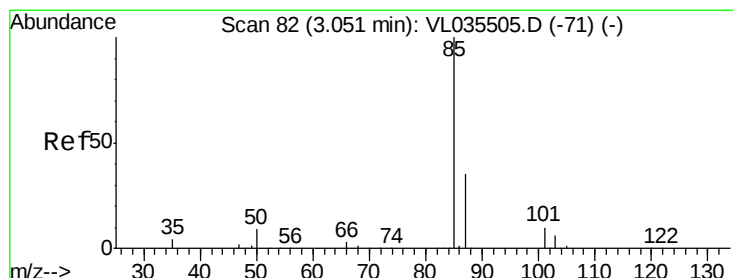
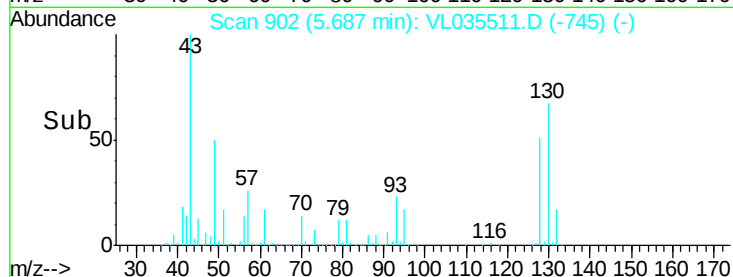
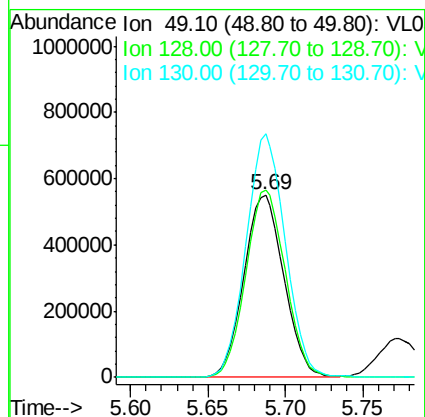
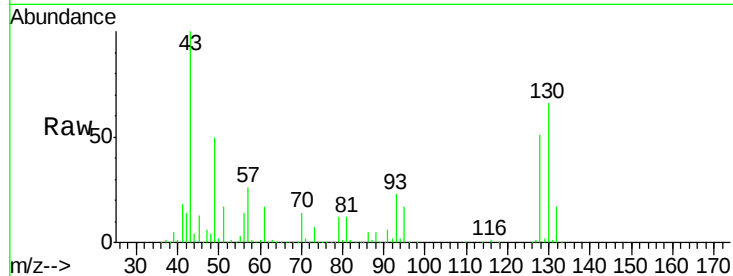
ClientSampleId :

VSTDIC015

Tot Ion	Ratio	Lower	Upper
49	100		
128	102.1	50.0	150.1
130	131.4	64.4	193.2

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#2

Dichlorodifluoromethane

Concen: 10.518 ppbv

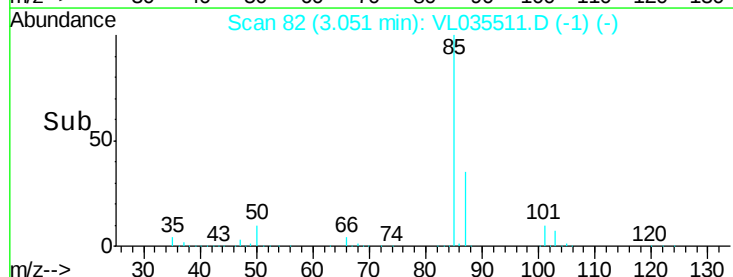
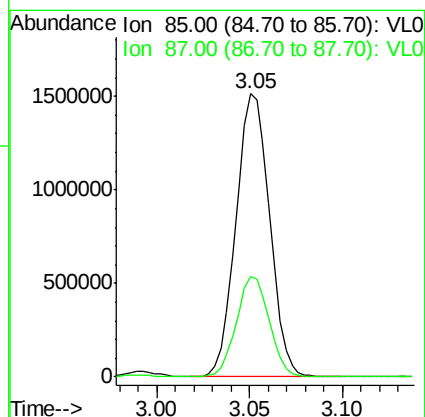
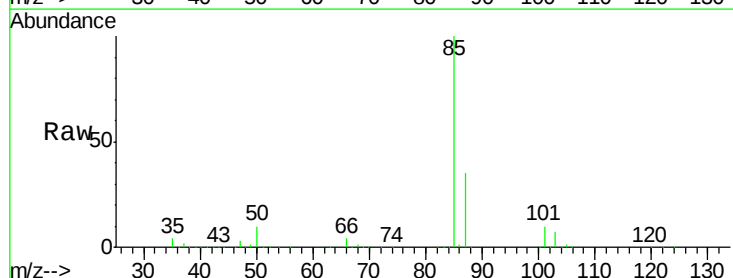
RT: 3.05 min Scan# 82

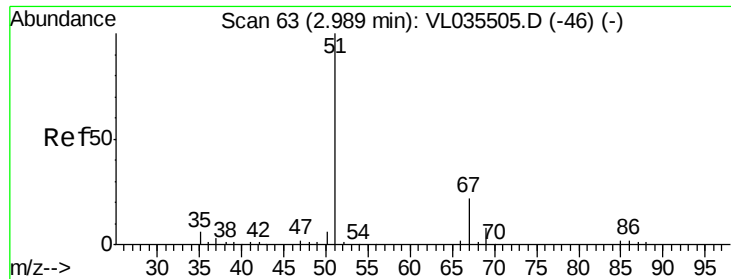
Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.3	28.0	42.0





#3

Chlorodifluoromethane

Concen: 13.956 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tot Ion: 51 Resp: 1562767

Ion Ratio Lower Upper

51 100

67 23.2 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

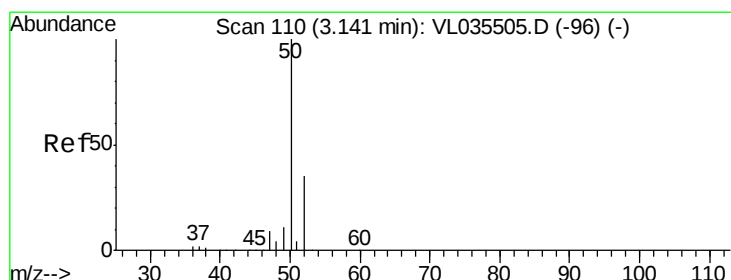
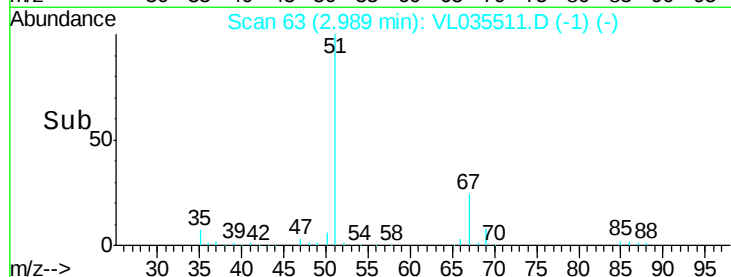
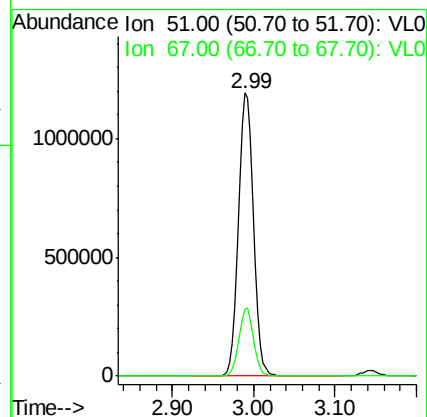
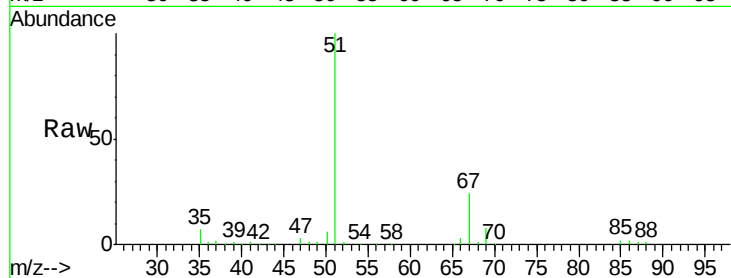
VSTDIC015

Manual Integrations

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#4

Chloromethane

Concen: 14.668 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035511.D

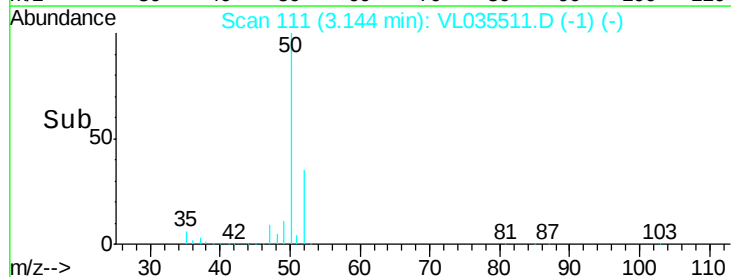
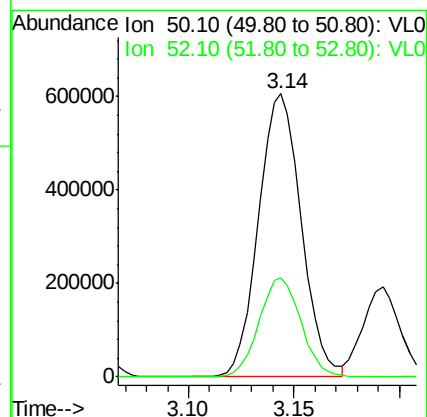
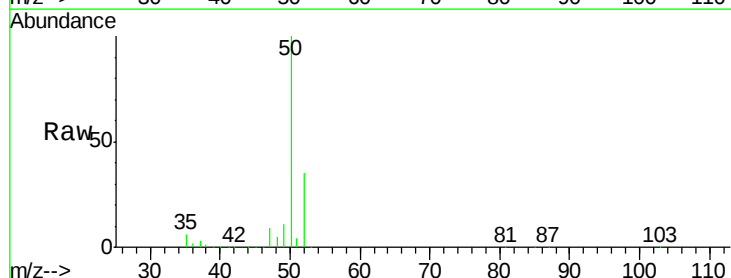
Acq: 27 Aug 2020 6:02

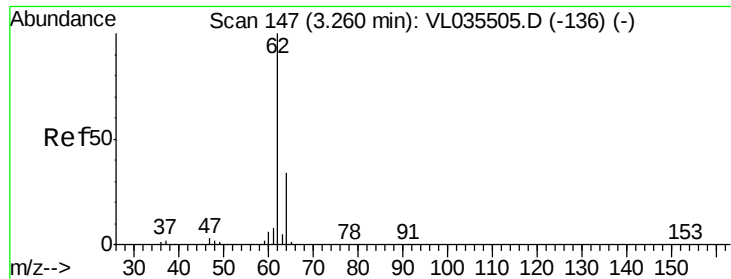
Tgt Ion: 50 Resp: 854965

Ion Ratio Lower Upper

50 100

52 34.9 27.7 41.5





#5

Vinyl Chloride

Concen: 14.772 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1012100

Ion Ratio Lower Upper

62 100

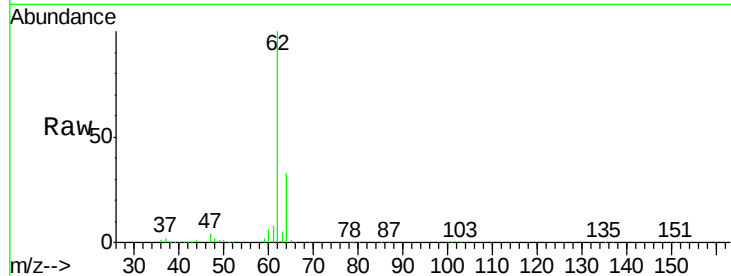
64 32.8 27.4 41.2

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

800000

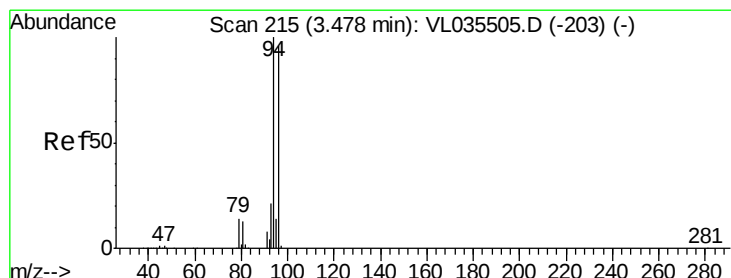
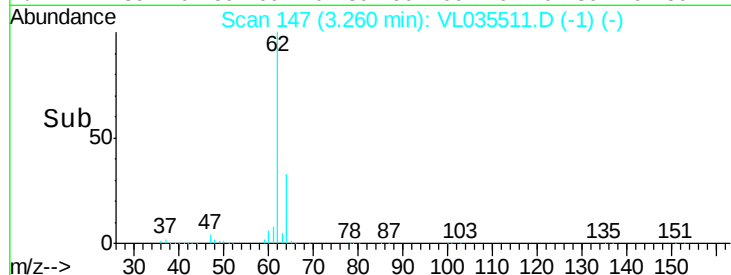
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 14.329 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL035511.D

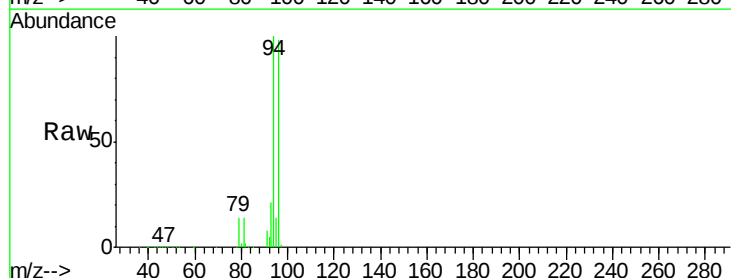
Acq: 27 Aug 2020 6:02

Tgt Ion: 94 Resp: 900231

Ion Ratio Lower Upper

94 100

96 97.5 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

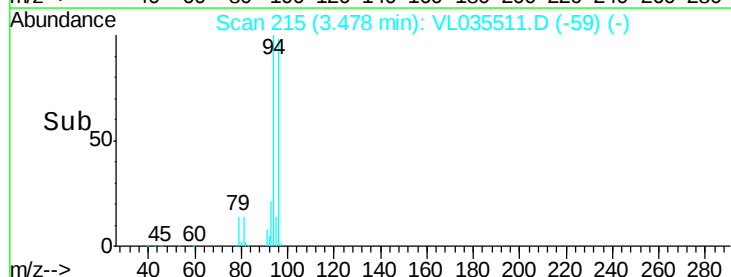
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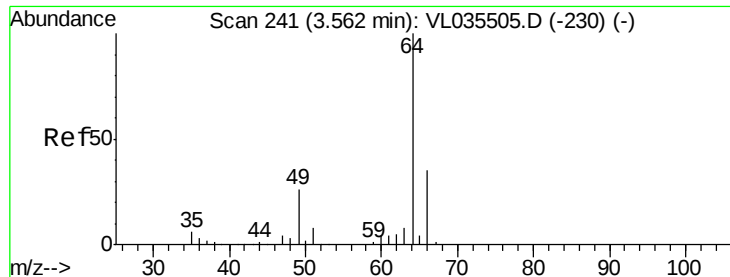
400000

200000

0

Time-->





#7

Chloroethane

Concen: 14.609 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 382338

Ion Ratio Lower Upper

64 100

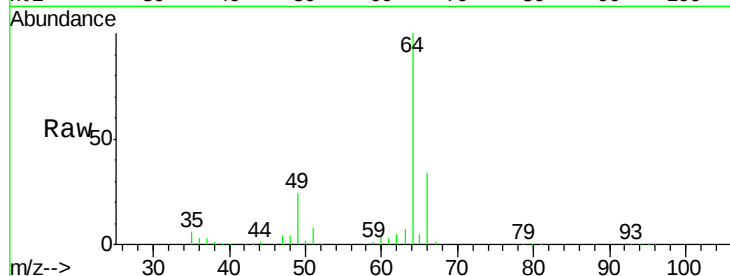
66 33.7 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

250000

200000

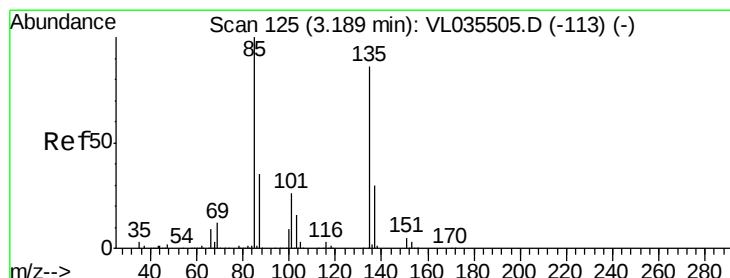
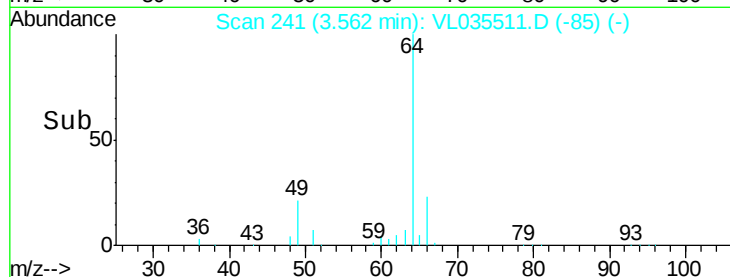
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 12.227 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035511.D

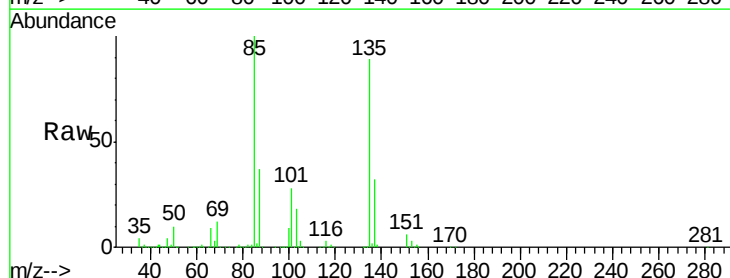
Acq: 27 Aug 2020 6:02

Tgt Ion: 85 Resp: 2632785

Ion Ratio Lower Upper

85 100

135 89.4 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

2000000

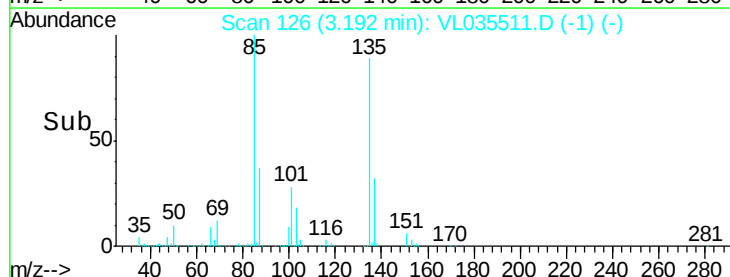
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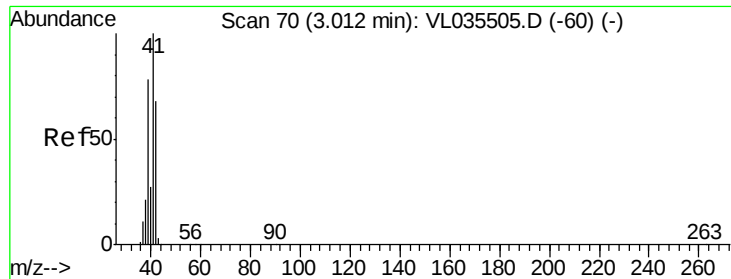
1000000

500000

0

Time-->





#9

Propene

Concen: 14.225 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 619622

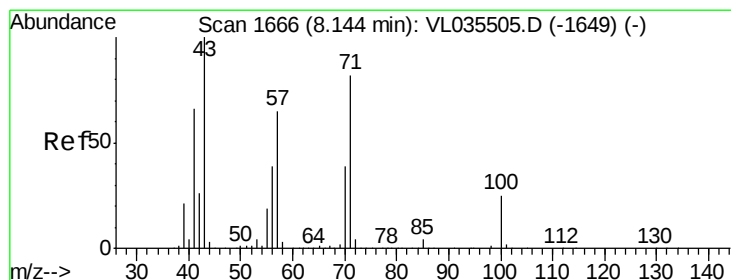
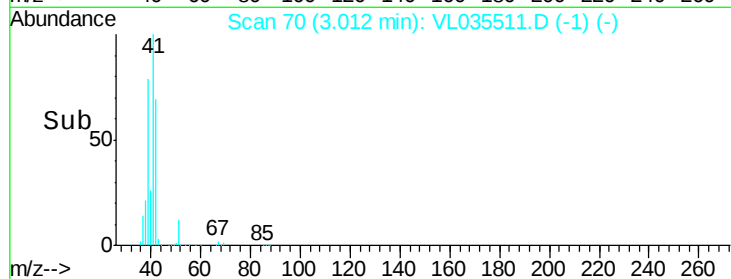
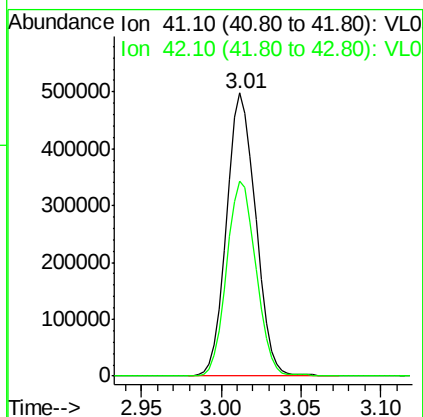
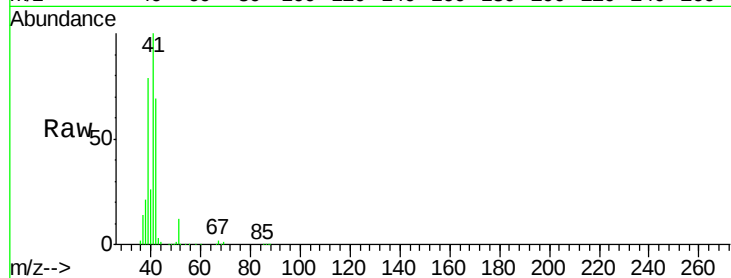
Ion Ratio Lower Upper

41 100

42 69.7 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 14.643 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL035511.D

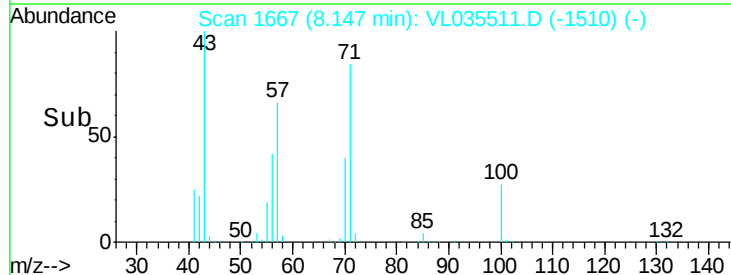
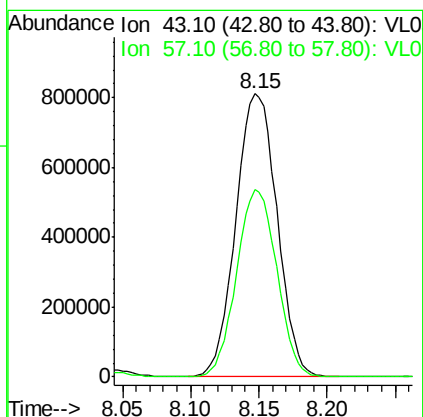
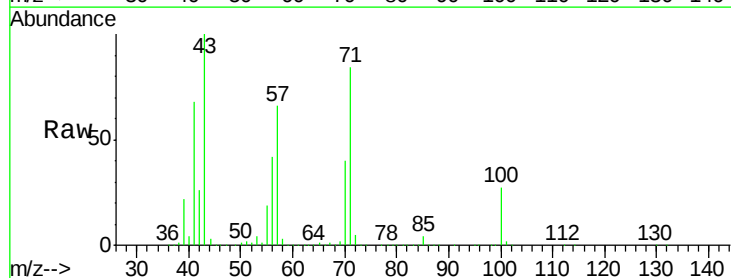
Acq: 27 Aug 2020 6:02

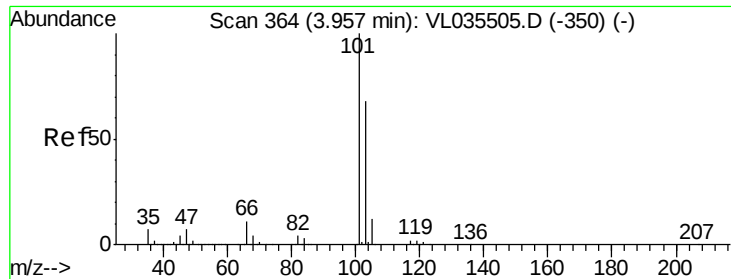
Tgt Ion: 43 Resp: 1698571

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





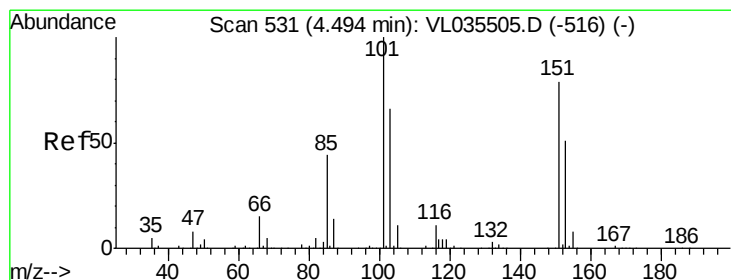
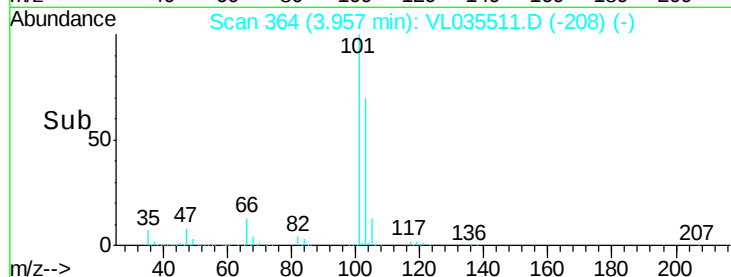
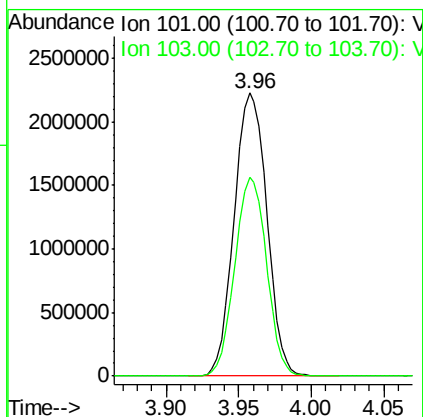
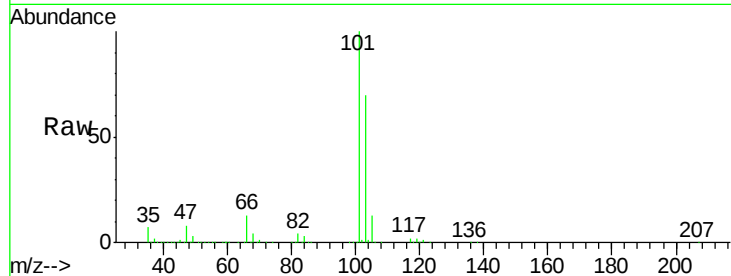
#11
 Trichlorofluoromethane
 Concen: 13.363 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 3496612
 Ion Ratio Lower Upper
 101 100
 103 70.3 54.5 81.7

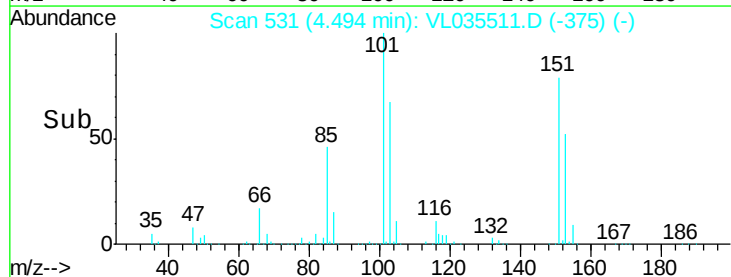
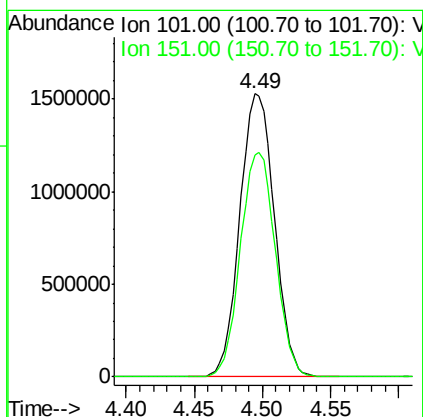
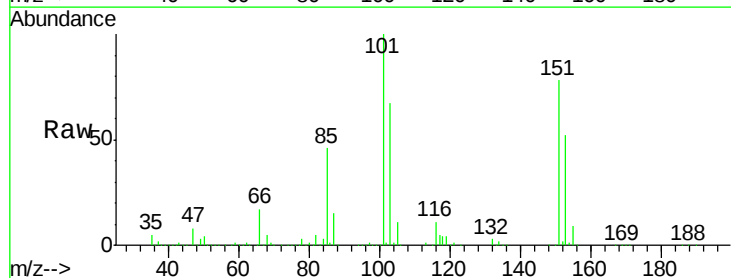
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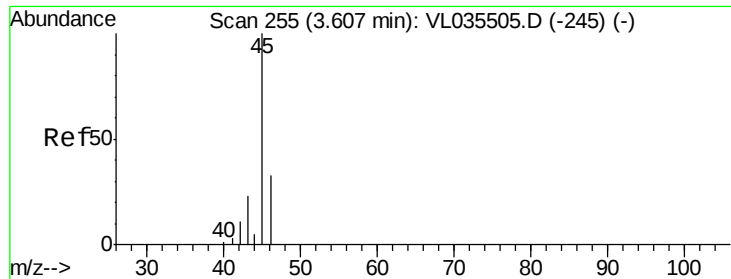
MMDadoda
 8/28/2020 3:17:38 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.807 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion:101 Resp: 2696331
 Ion Ratio Lower Upper
 101 100
 151 80.4 63.5 95.3





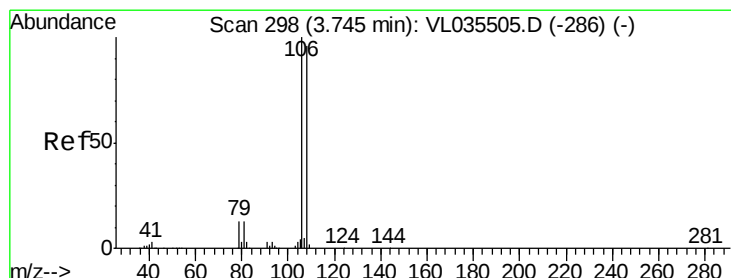
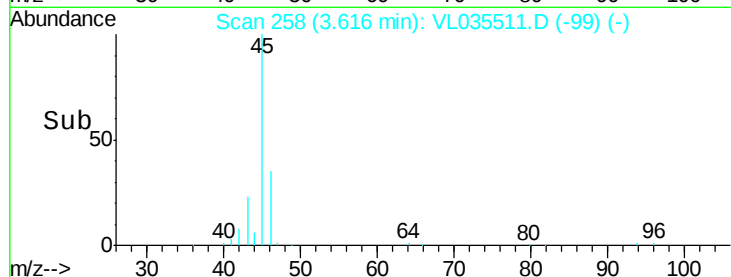
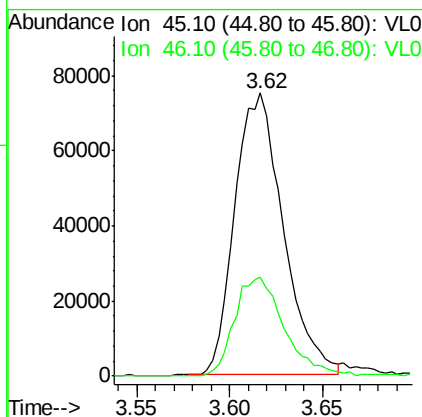
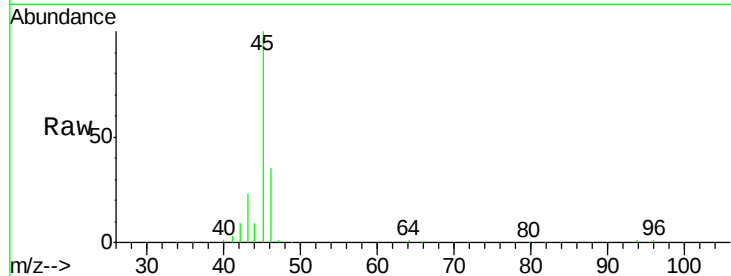
#13
Ethanol
Concen: 11.179 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 45 Resp: 136611
Ion Ratio Lower Upper
45 100
46 35.9 15.2 60.6

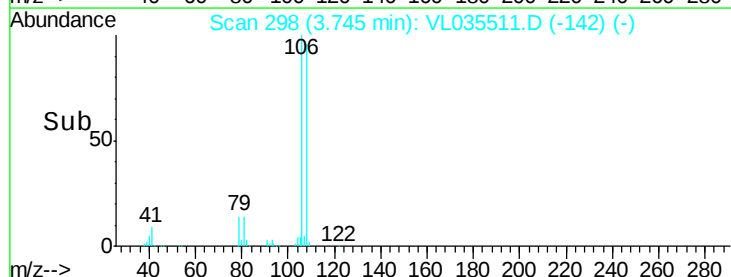
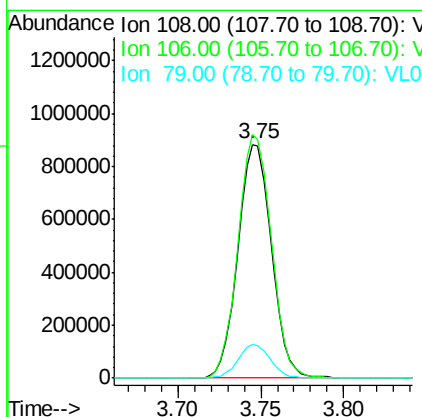
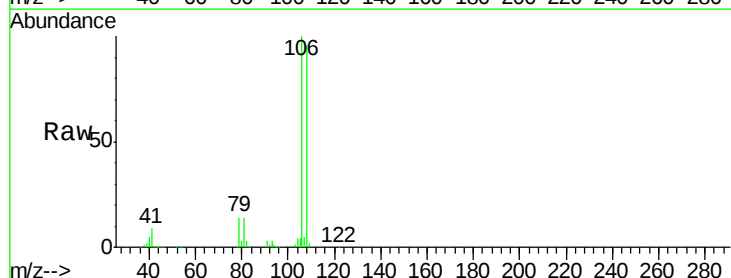
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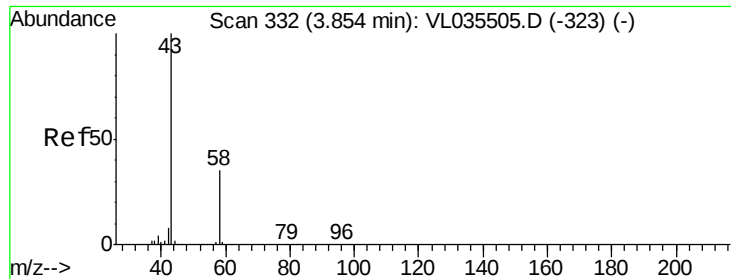
MMDadoda
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#14
Bromoethene
Concen: 14.635 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion: 108 Resp: 1243407
Ion Ratio Lower Upper
108 100
106 104.5 84.9 127.3
79 14.2 10.8 16.2





#15

Acetone

Concen: 13.987 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tot Ion: 43 Resp: 1487855

Ion Ratio Lower Upper

43 100

58 35.2 28.4 42.6

Instrument :

MSVOA_L

ClientSampleId :

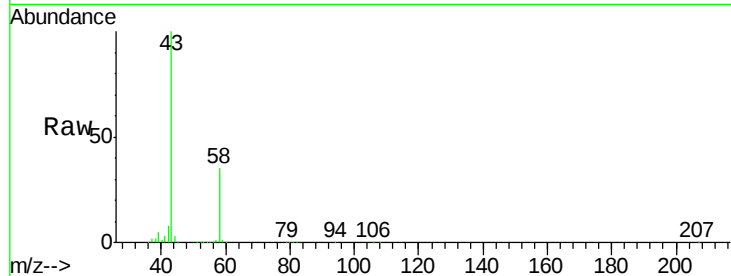
VSTDIC015

Manual Integrations

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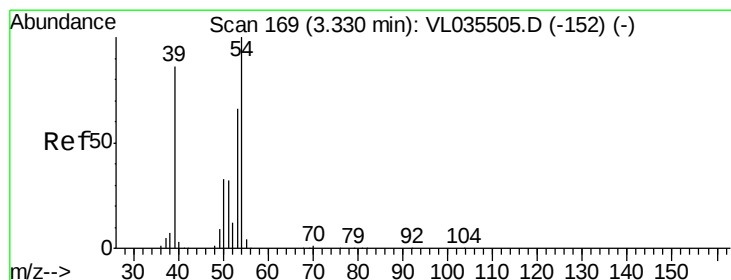
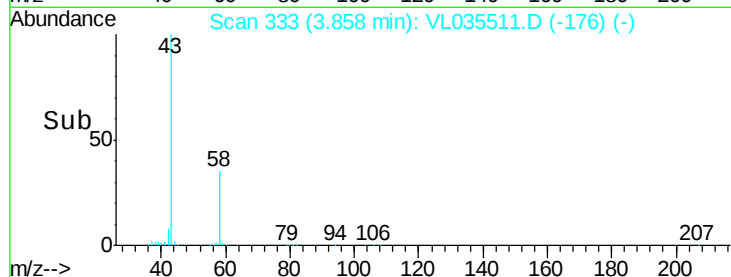
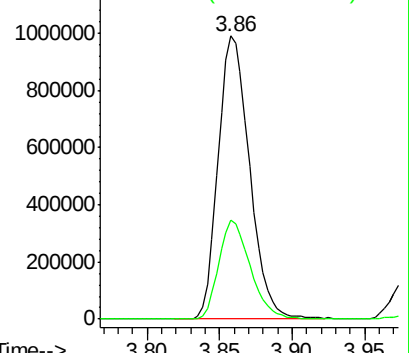
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 14.665 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL035511.D

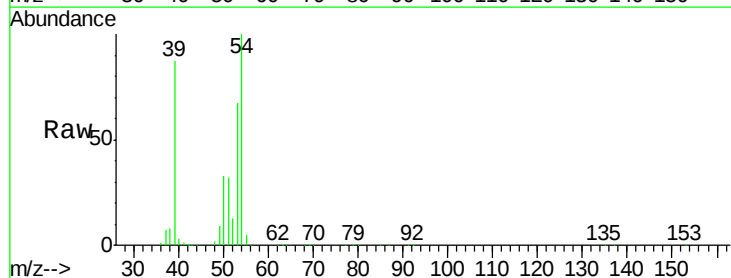
Acq: 27 Aug 2020 6:02

Tgt Ion: 39 Resp: 619518

Ion Ratio Lower Upper

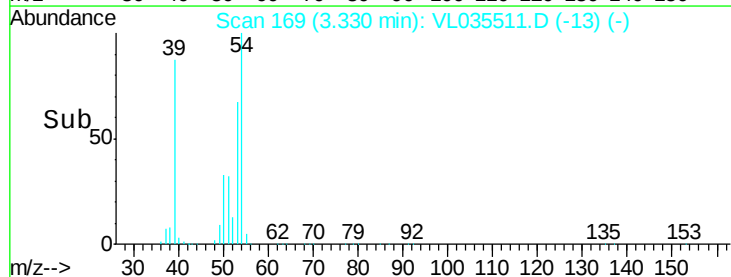
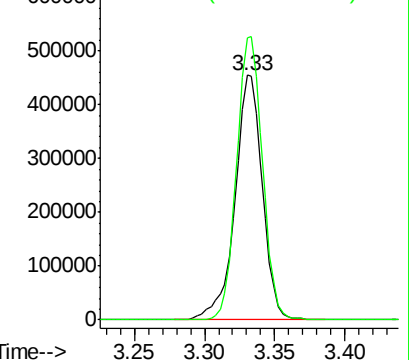
39 100

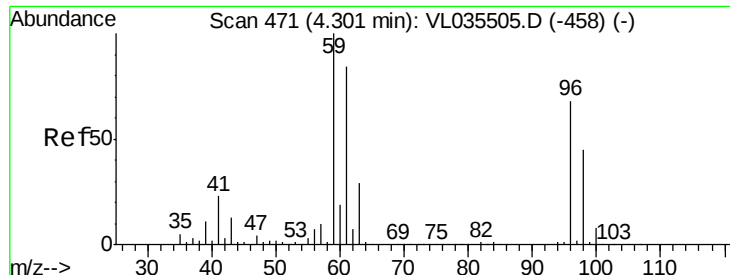
54 109.9 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





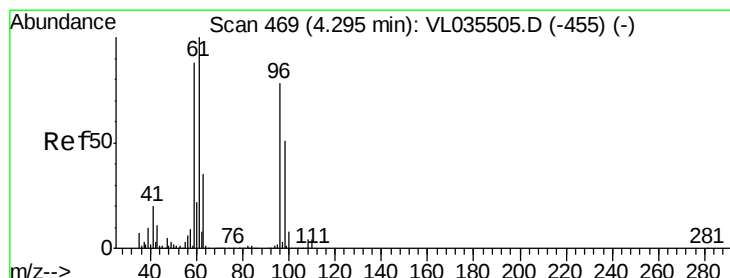
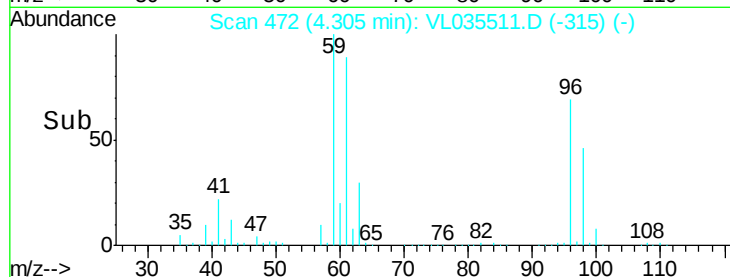
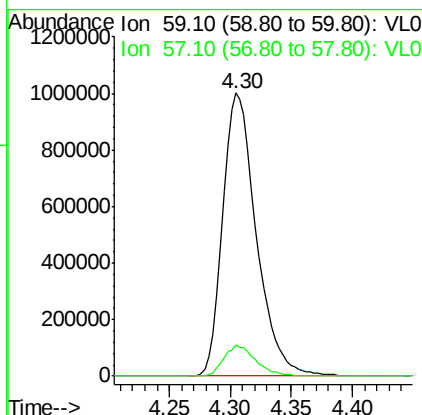
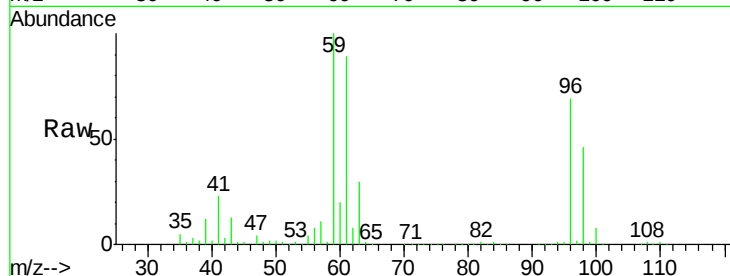
#17
 tert-Butyl alcohol
 Concen: 14.275 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 59 Resp: 1932465
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

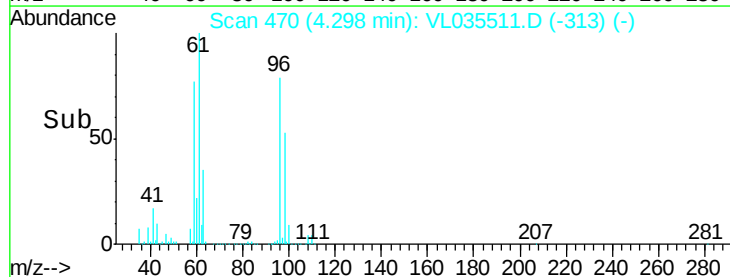
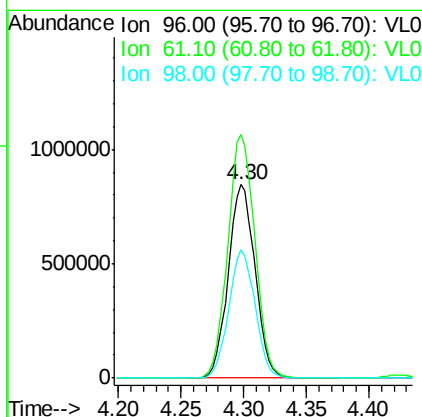
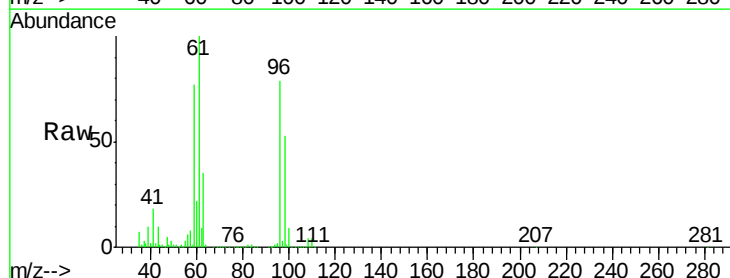
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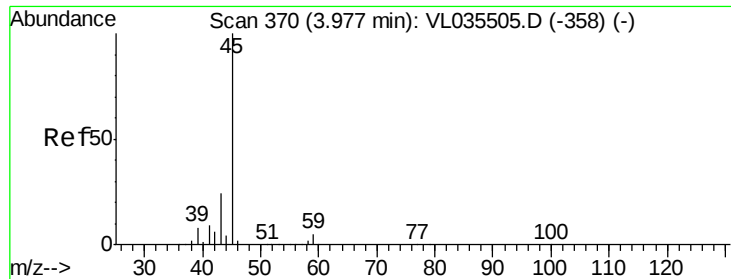
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#18
 1,1-Dichloroethene
 Concen: 14.617 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion: 96 Resp: 1263699
 Ion Ratio Lower Upper
 96 100
 61 126.0 103.0 154.6
 98 66.3 52.8 79.2





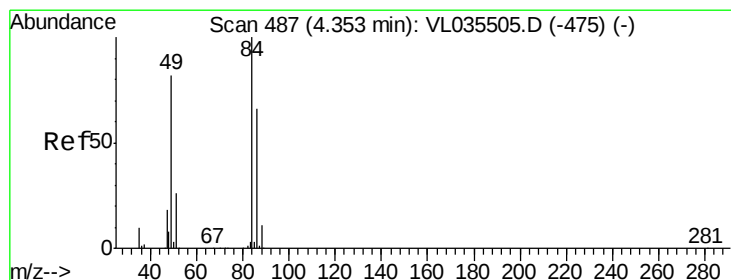
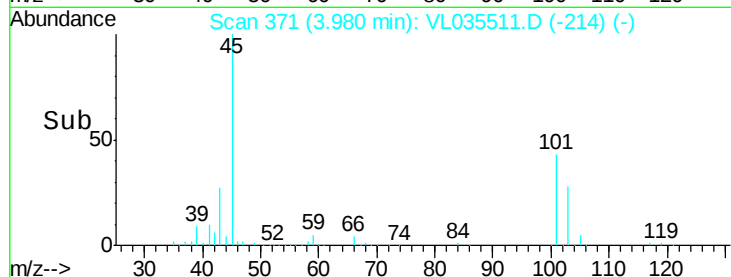
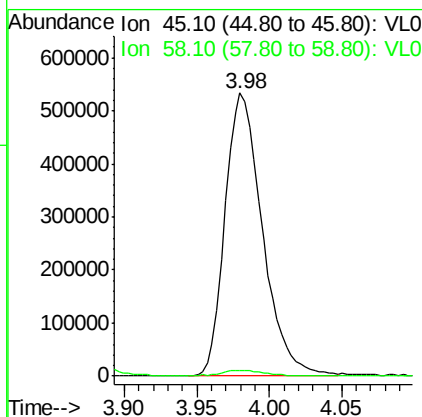
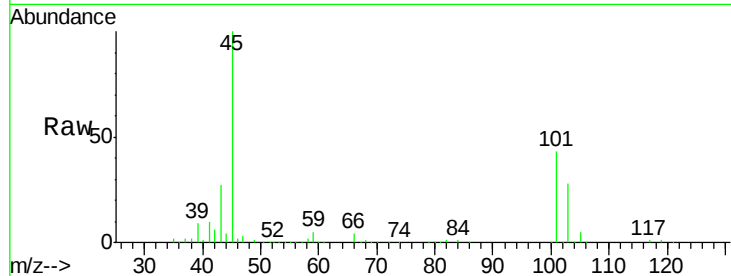
#19
Isopropyl Alcohol
Concen: 13.858 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	45	Ratio	100	Resp	952684
Ion	45	100		Lower	Upper
	58	2.6		2.0	3.0

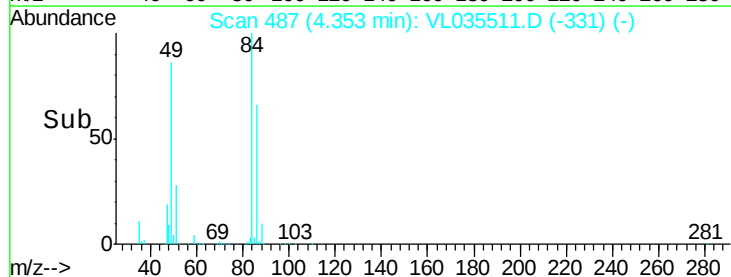
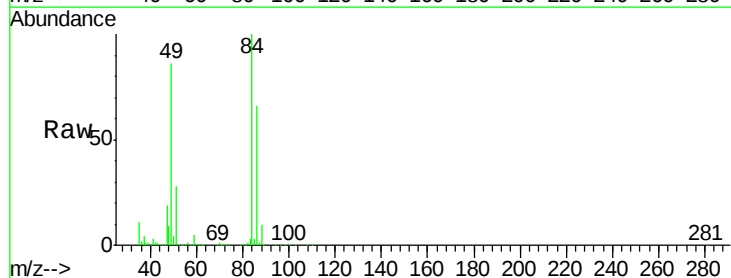
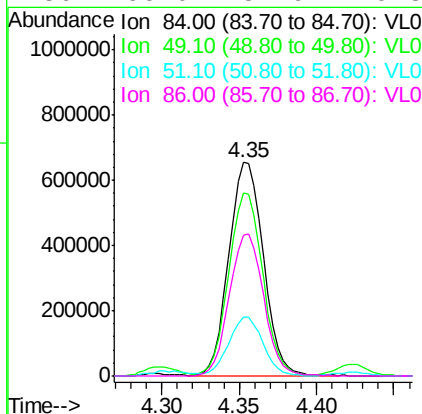
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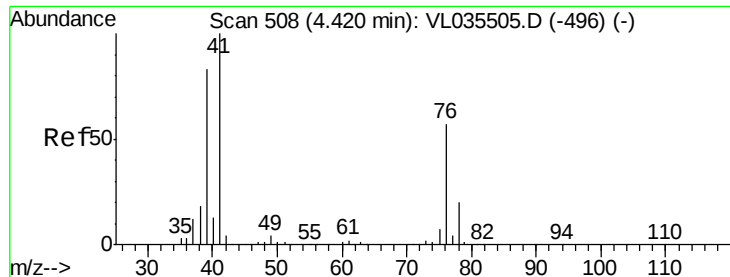
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#20
Methylene Chloride
Concen: 8.904 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion	84	Ratio	100	Resp	1009654
Ion	84	100		Lower	Upper
	49	84.7		65.4	98.0
	51	26.4		21.5	32.3
	86	66.0		52.9	79.3





#21

Allvl Chloride

Concen: 15.246 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 817691

Ion Ratio Lower Upper

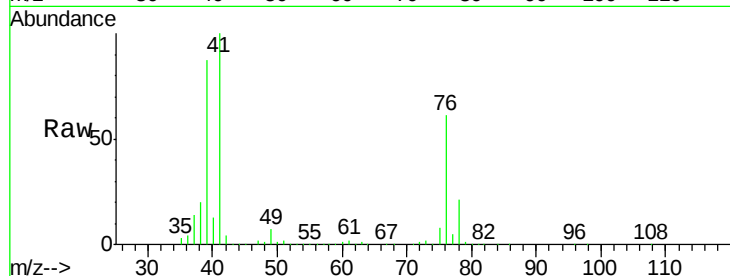
41 100

76 60.2 46.2 69.2

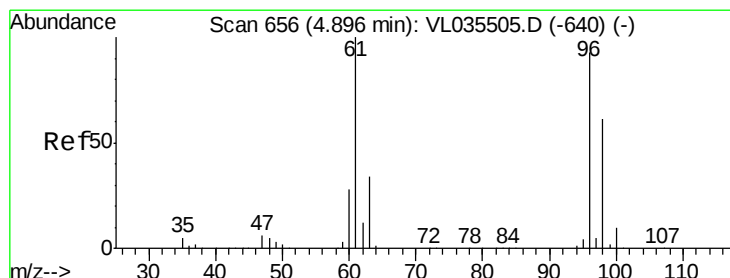
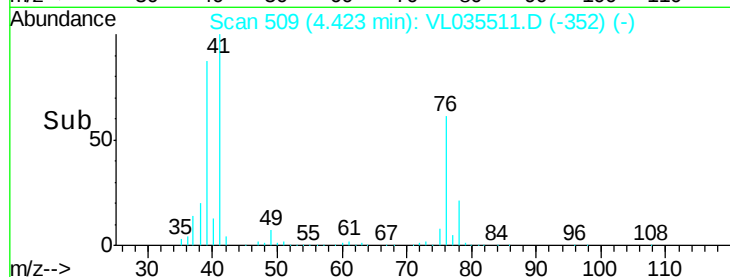
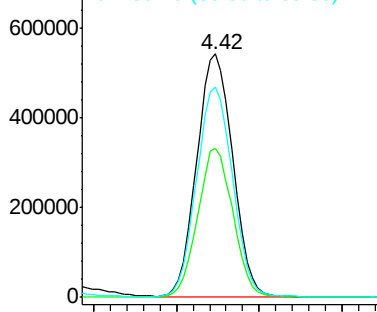
39 87.1 67.8 101.6

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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 14.784 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

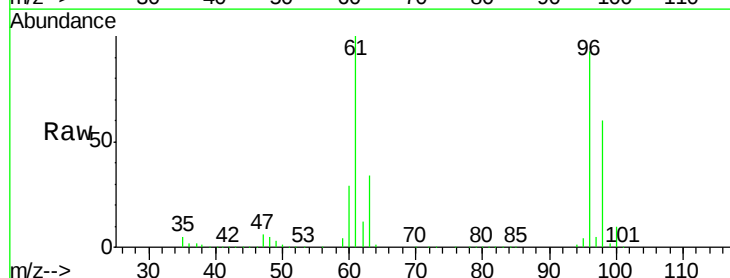
Tgt Ion: 96 Resp: 1349906

Ion Ratio Lower Upper

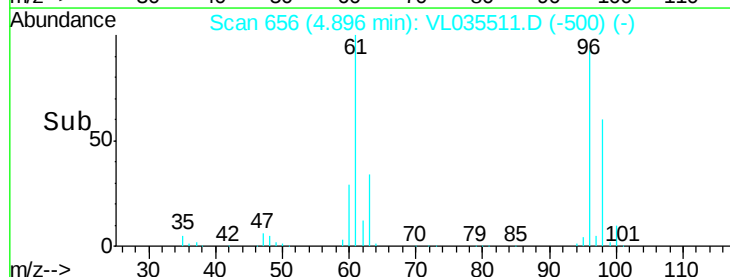
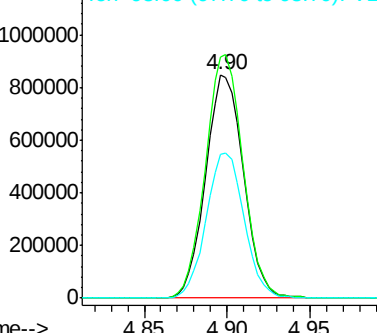
96 100

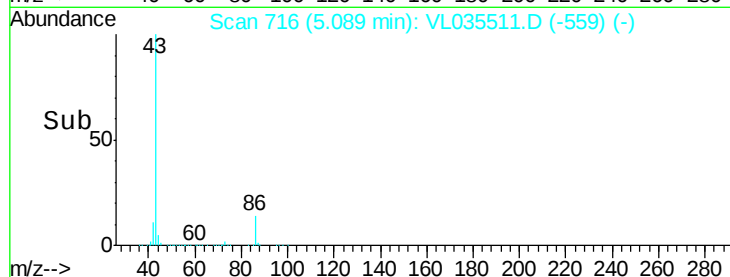
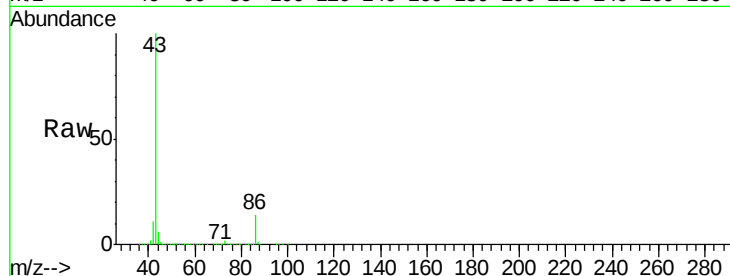
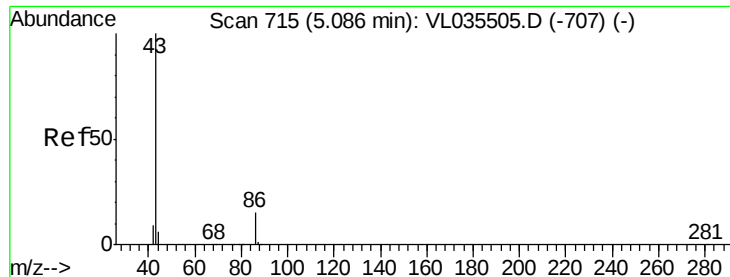
61 107.8 86.0 129.0

98 64.3 52.3 78.5



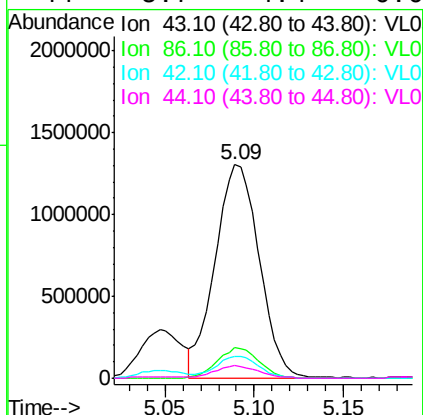
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23
 Vinyl Acetate
 Concen: 15.945 ppbv
 RT: 5.09 min Scan# 716
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

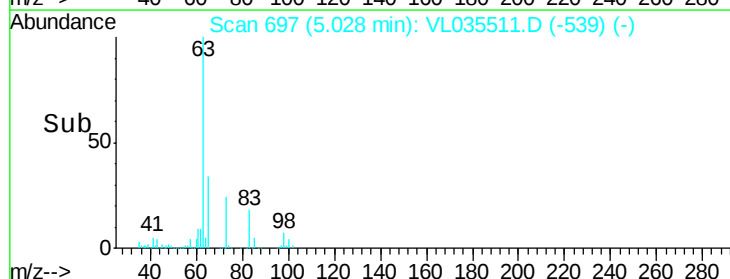
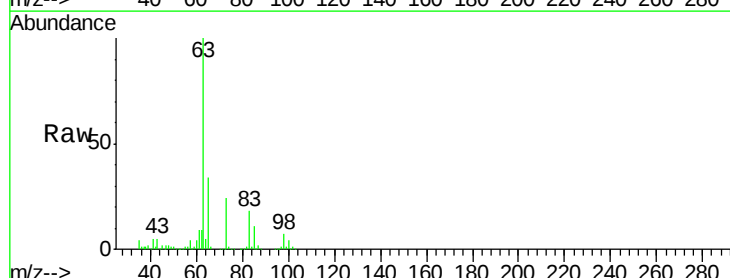
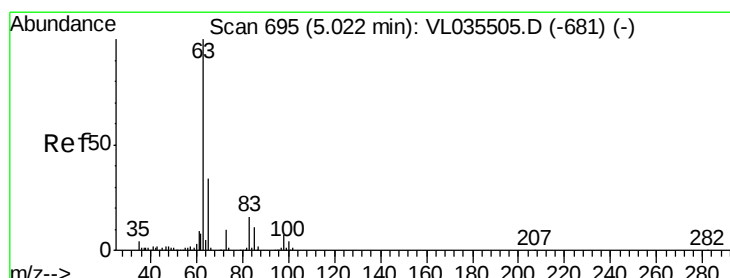
Tot Ion	43	Resp	2232027
Ion	Ratio	Lower	Upper
43	100		
86	14.1	10.6	16.0
42	10.5	7.5	11.3
44	5.7	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

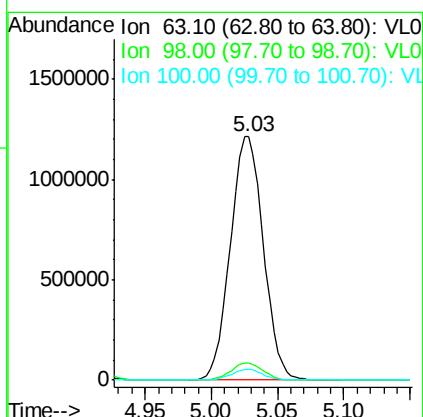
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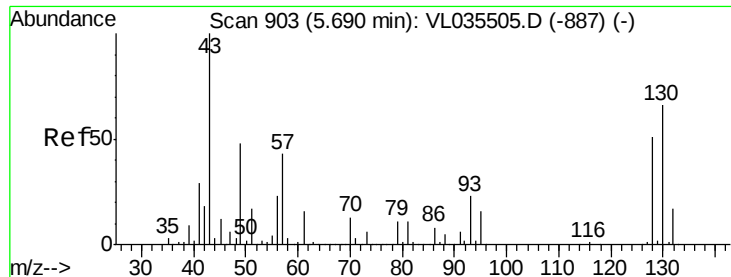
MMDadoda
 8/28/2020 3:17:38 PM



#24
 1,1-Dichloroethane
 Concen: 14.287 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion	63	Resp	2098551
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.4	2.1	6.5





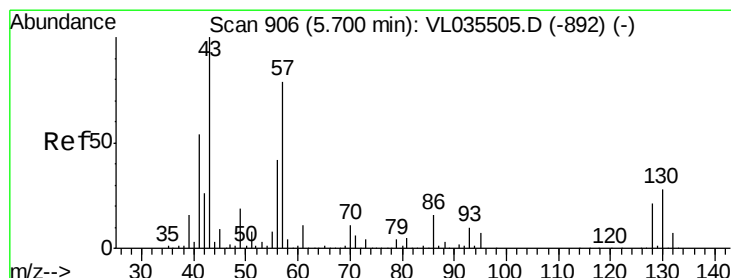
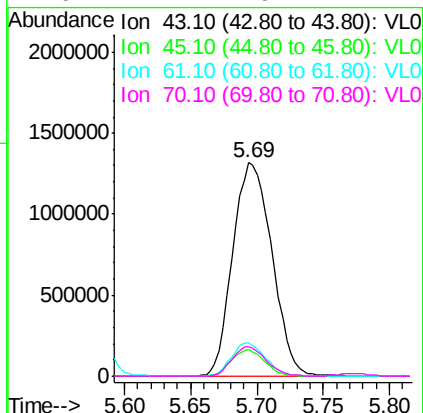
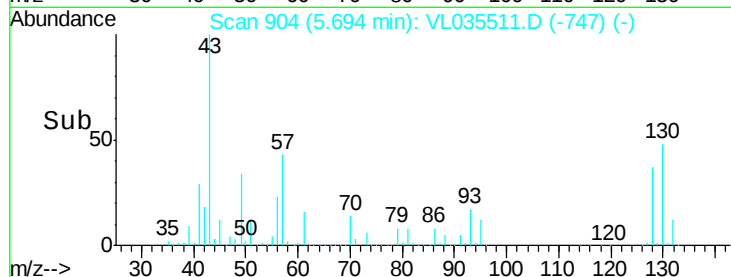
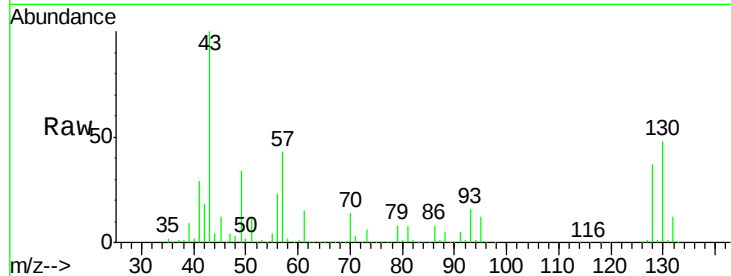
#25
Ethyl Acetate
Concen: 13.444 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:	43	Resp:	2708845
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.4	12.6
61	13.7	10.6	16.0
70	12.1	9.4	14.2

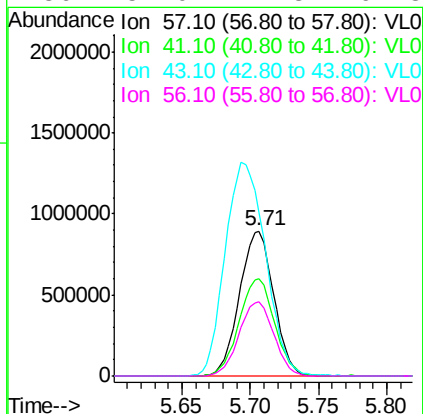
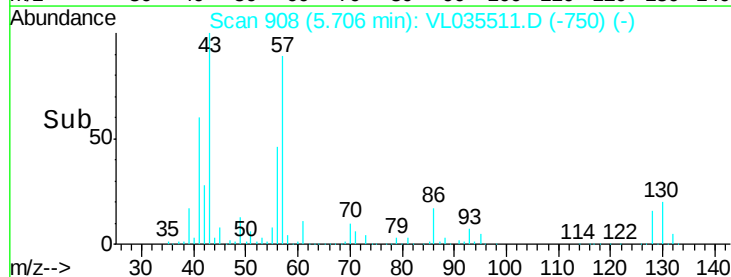
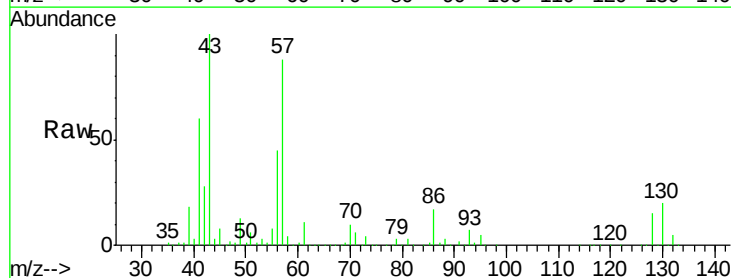
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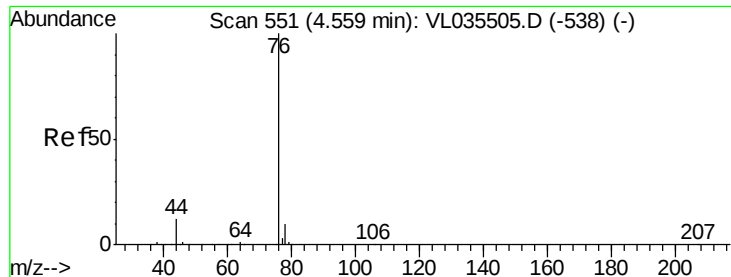
MMDadoda
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#26
Hexane
Concen: 12.710 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion:	57	Resp:	1557407
Ion	Ratio	Lower	Upper
57	100		
41	70.4	55.9	83.9
43	174.6	141.8	212.8
56	52.0	41.8	62.8





#27

Carbon Disulfide

Concen: 16.213 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2640024

Ion Ratio Lower Upper

76 100

44 11.8 9.3 13.9

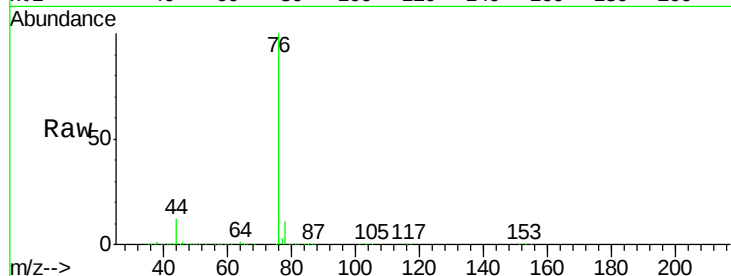
78 10.1 7.8 11.6

Manual Integrations

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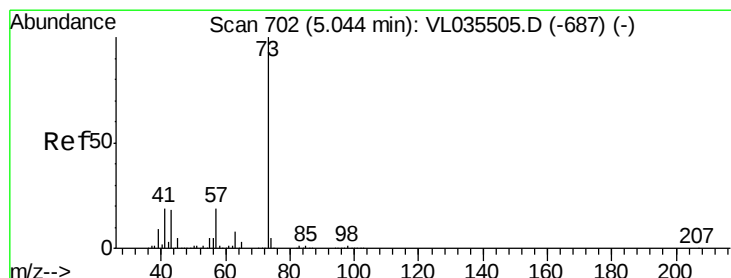
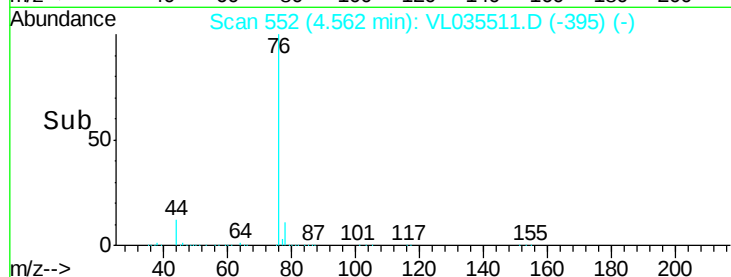
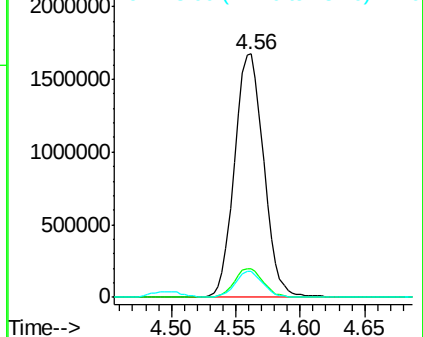
8/28/2020 3:17:38 PM



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: 14.517 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035511.D

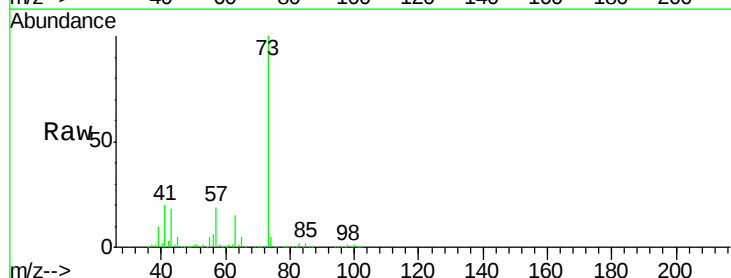
Acq: 27 Aug 2020 6:02

Tgt Ion: 73 Resp: 2885557

Ion Ratio Lower Upper

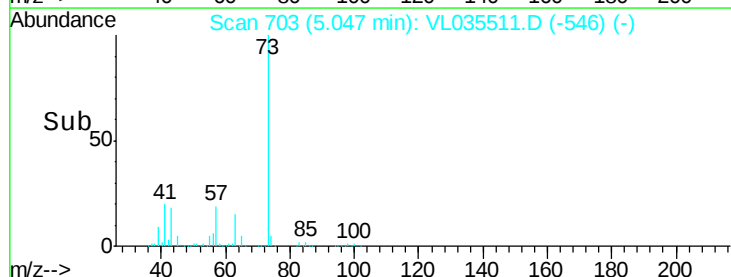
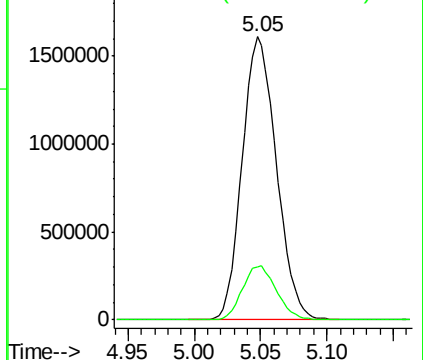
73 100

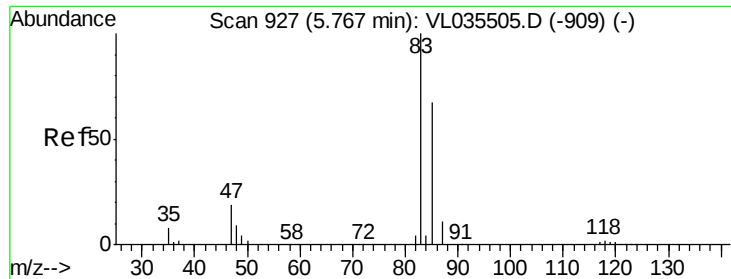
57 19.2 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





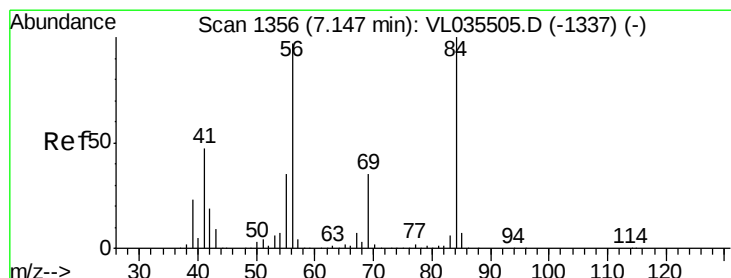
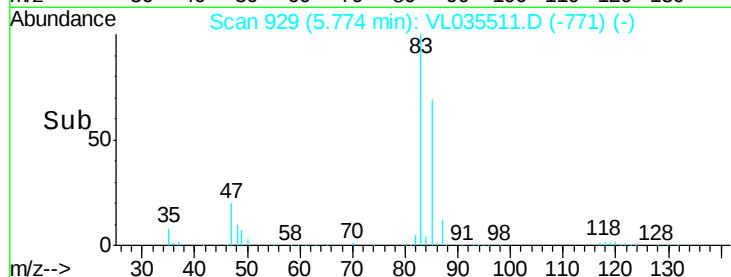
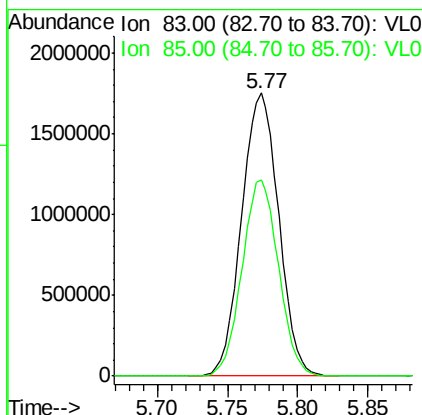
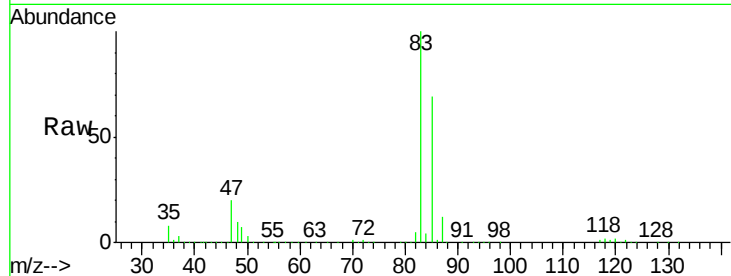
#29
Chloroform
Concen: 13.923 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3234098
Ion Ratio Lower Upper
83 100
85 69.2 53.9 80.9

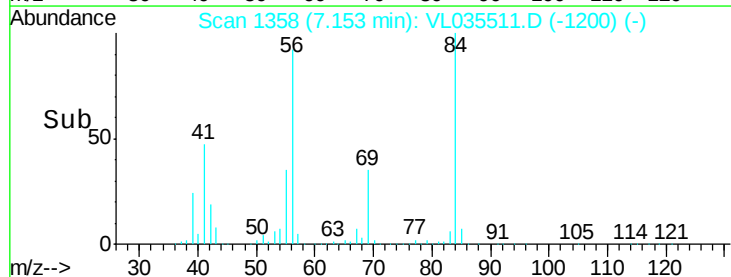
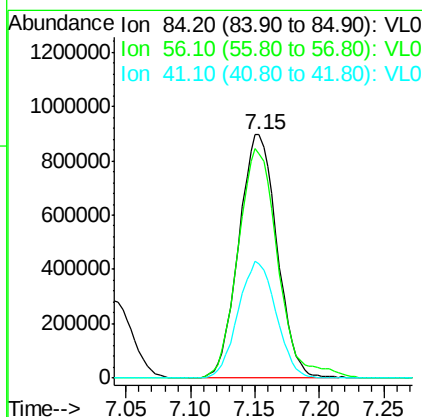
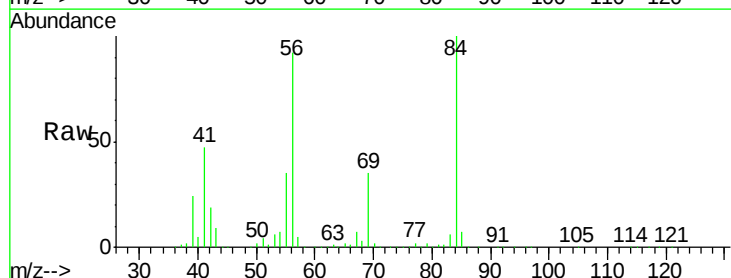
Manual Integrations
APPROVED

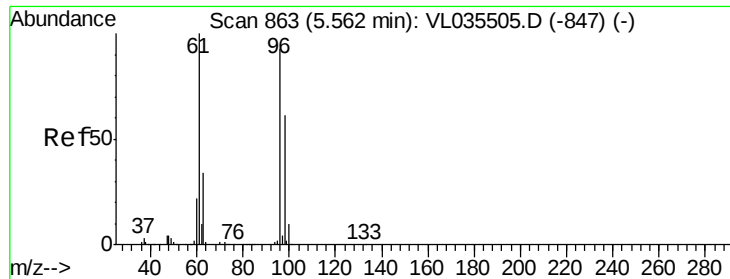
MMDadoda
8/28/2020 3:17:38 PM



#30
Cyclohexane
Concen: 15.064 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion: 84 Resp: 1852538
Ion Ratio Lower Upper
84 100
56 98.3 80.1 120.1
41 47.4 38.1 57.1





#31

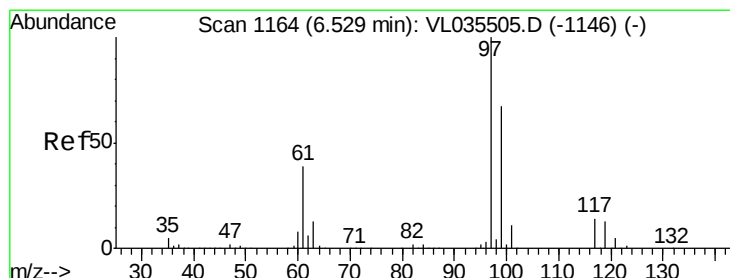
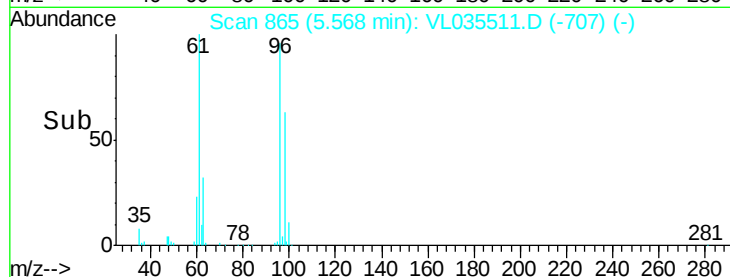
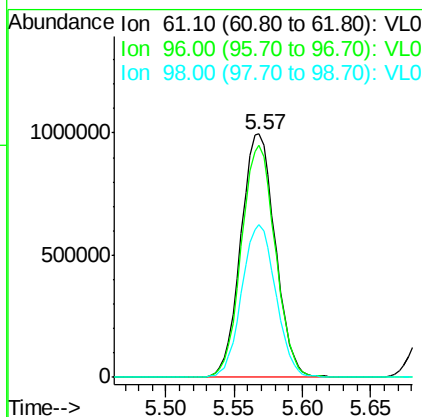
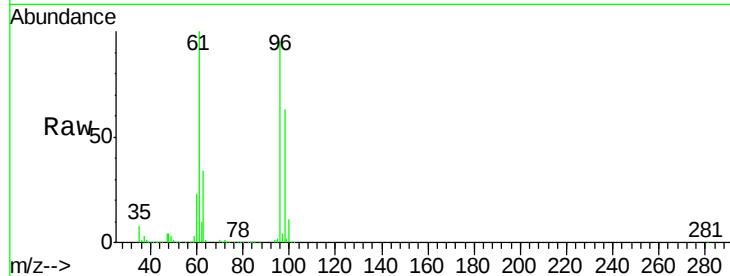
cis-1,2-Dichloroethene
 Concen: 15.113 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	95.3	74.4	111.6
98	62.8	49.2	73.8

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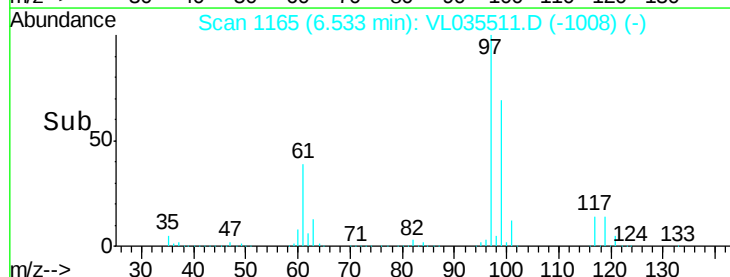
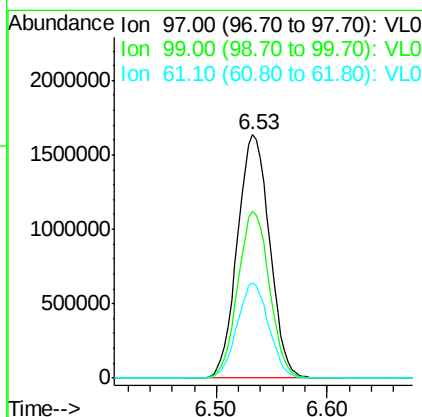
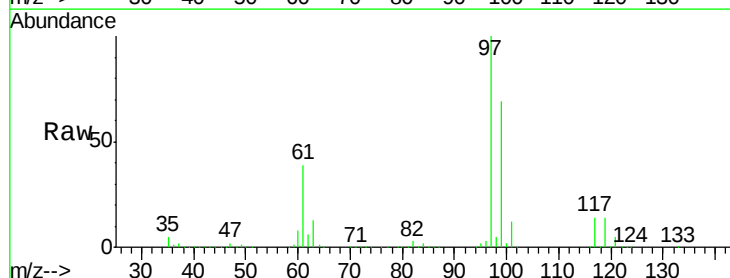
MMDadoda
 8/28/2020 3:17:38 PM

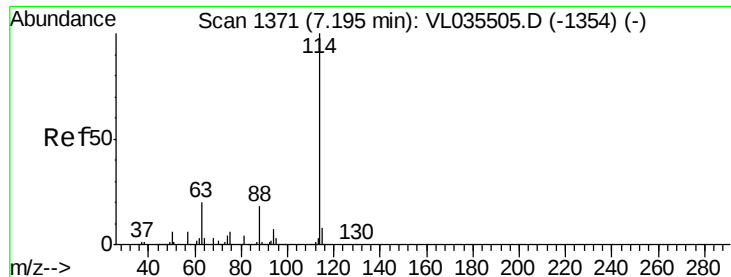


#32

1,1,1-Trichloroethane
 Concen: 15.598 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	53.3	79.9
61	38.5	30.6	46.0





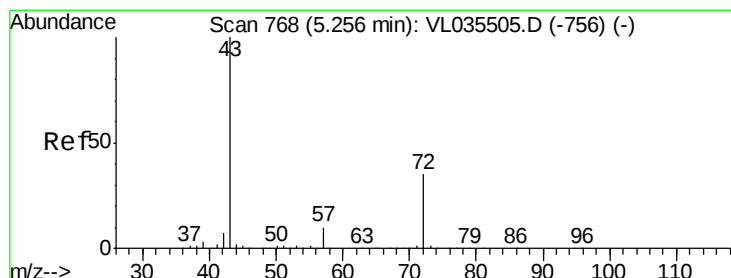
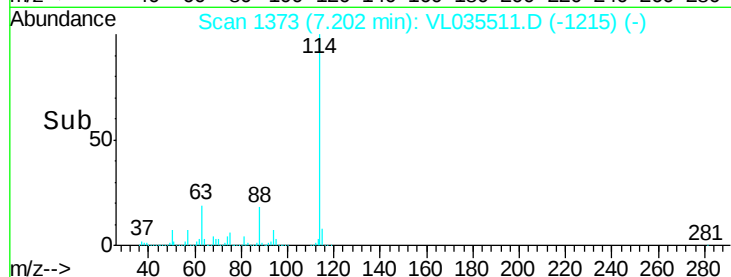
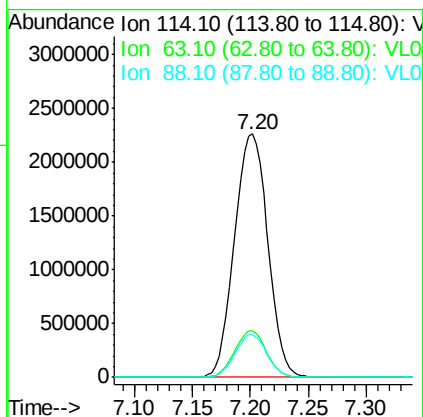
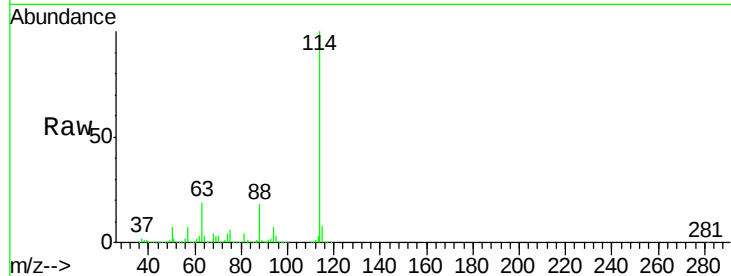
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:114 Resp: 4513389
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.7 22.1
 88 16.7 13.4 20.2

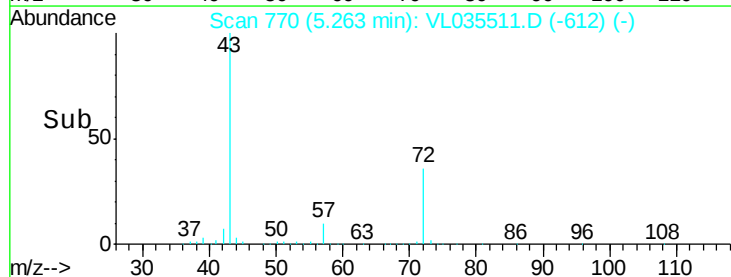
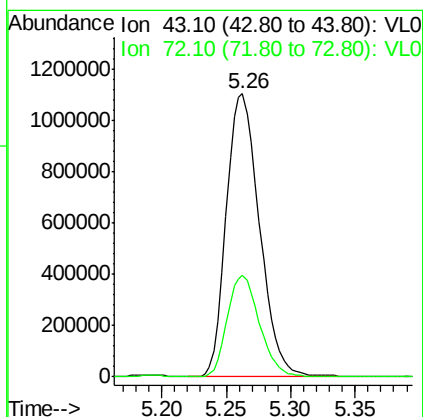
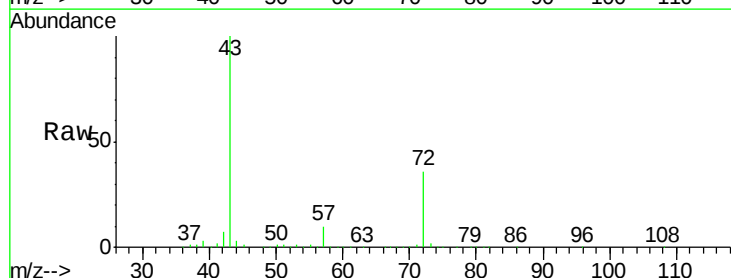
Manual Integrations
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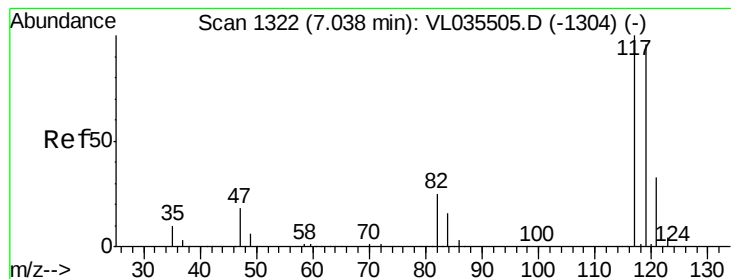
MMDadoda
 8/28/2020 3:17:38 PM



#34
 2-Butanone
 Concen: 14.765 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion: 43 Resp: 1969815
 Ion Ratio Lower Upper
 43 100
 72 35.0 27.7 41.5





#35

Carbon Tetrachloride

Concen: 16.028 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 3519835

Ion Ratio Lower Upper

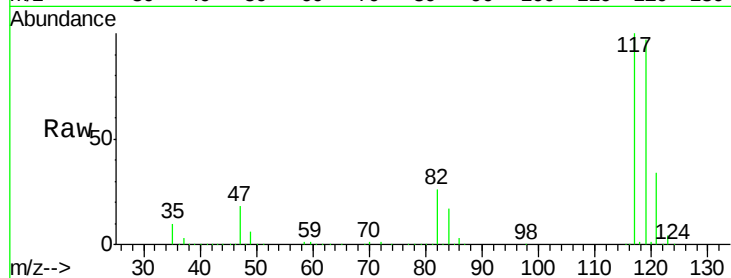
117 100

119 96.9 77.2 115.8

121 34.2 26.1 39.1

Manual Integrations
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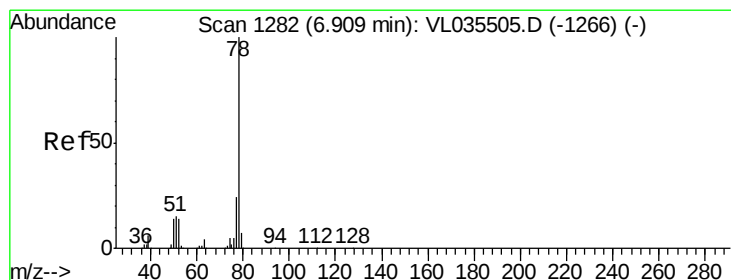
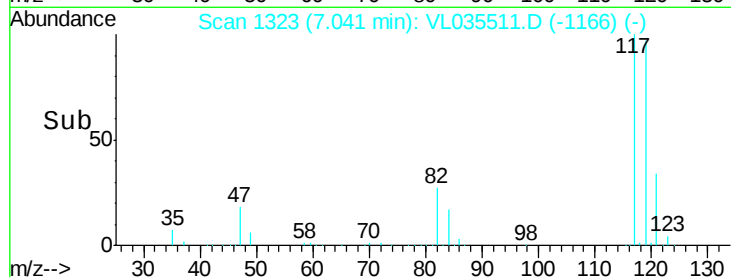
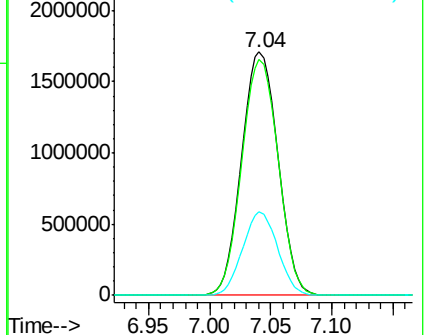
MMDadoda
8/28/2020 3:17:38 PM



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: 13.957 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

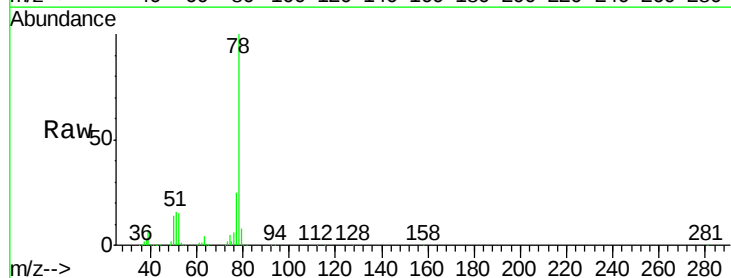
Tgt Ion: 78 Resp: 4144133

Ion Ratio Lower Upper

78 100

77 24.8 19.3 28.9

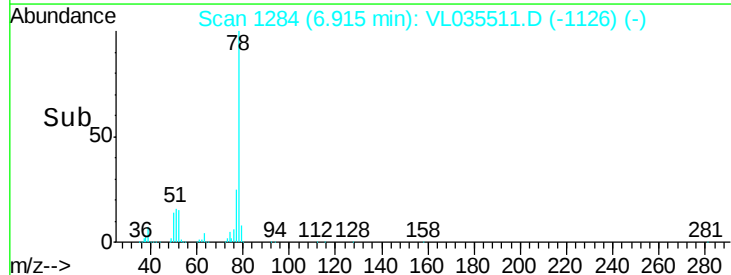
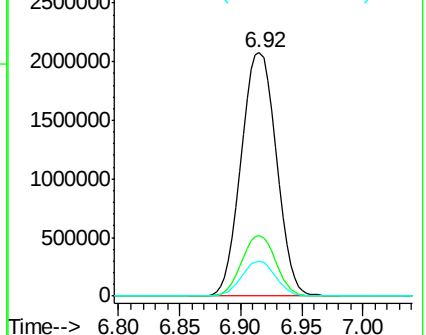
50 14.4 11.0 16.6

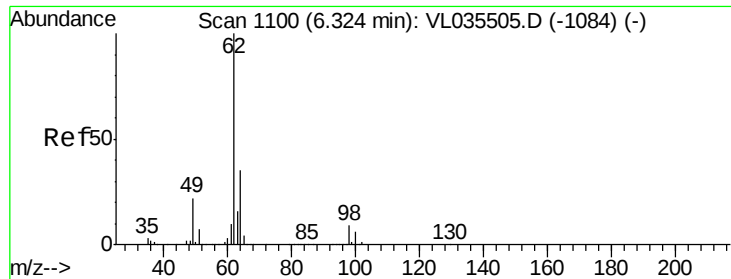


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





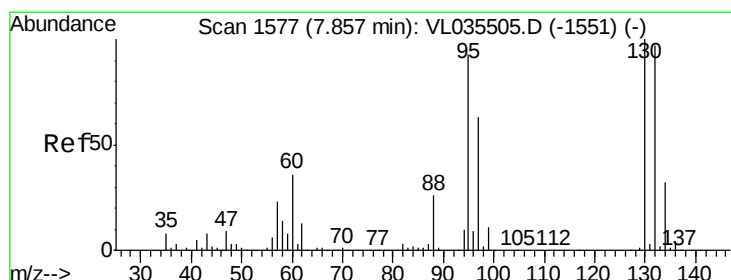
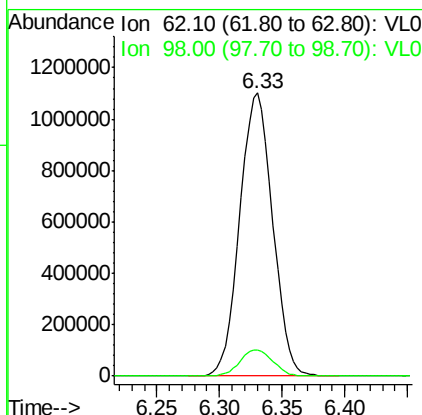
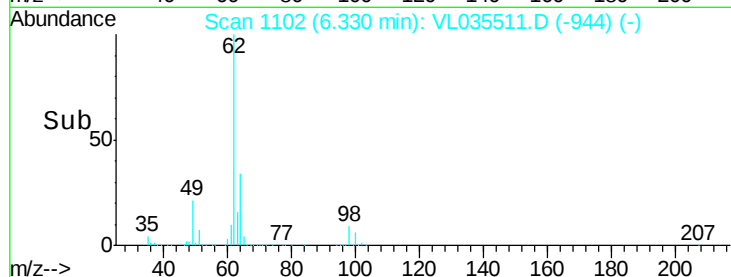
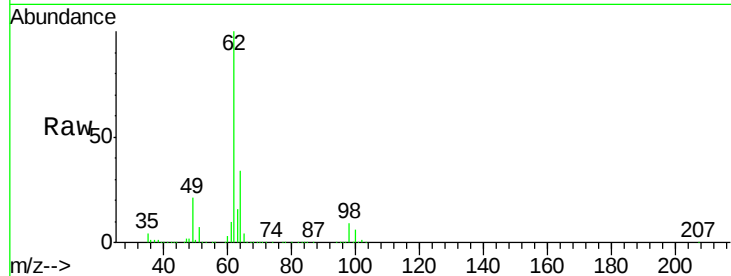
#37
1,2-Dichloroethane
Concen: 14.317 ppbv
RT: 6.33 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 62 Resp: 2013026
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.0

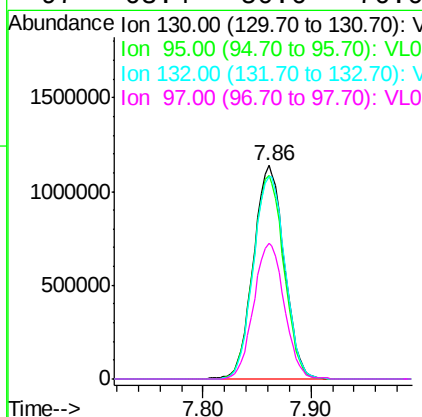
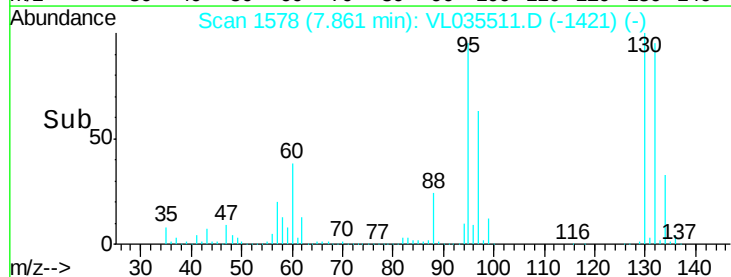
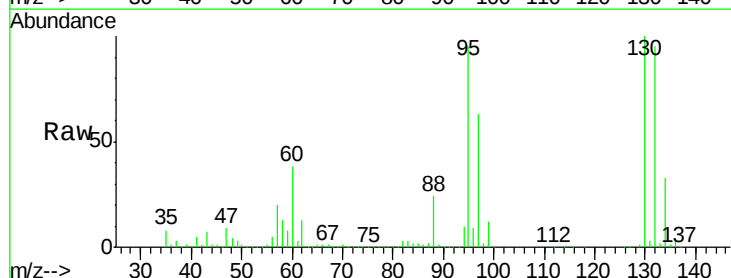
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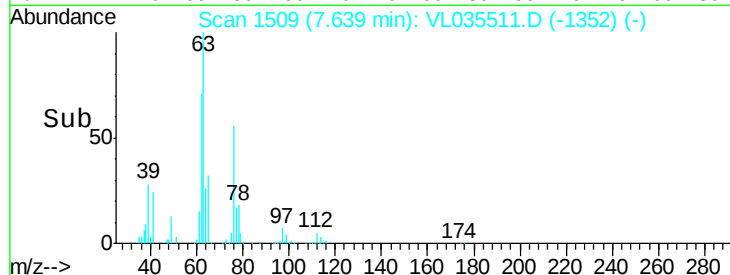
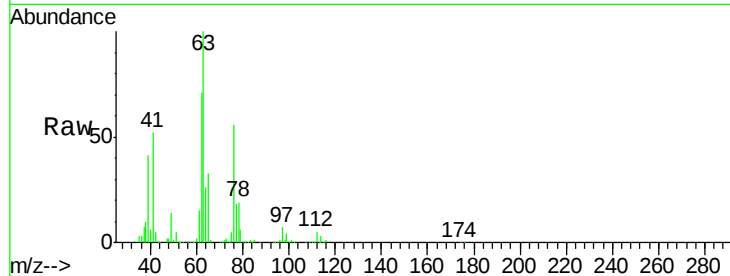
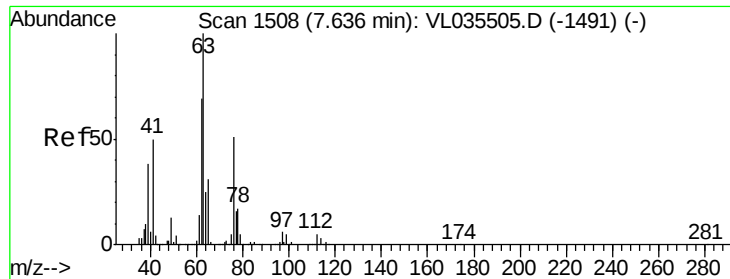
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#38
Trichloroethene
Concen: 13.779 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion:130 Resp: 2260620
Ion Ratio Lower Upper
130 100
95 95.1 74.6 112.0
132 94.8 77.6 116.4
97 63.4 50.6 76.0





#39

1,2-Dichloropropane

Concen: 14.200 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tot Ion: 63 Resp: 1411605

Ion Ratio Lower Upper

63 100

41 52.0 40.0 60.0

62 70.7 55.4 83.0

Instrument :

MSVOA_L

ClientSampleId :

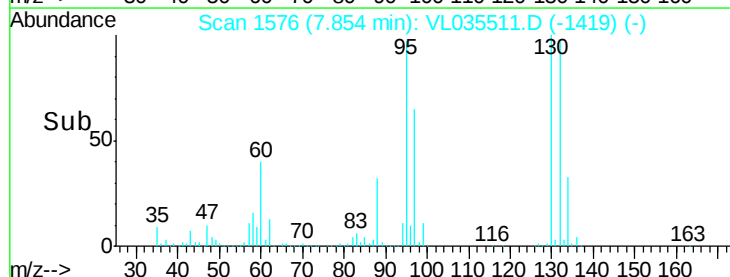
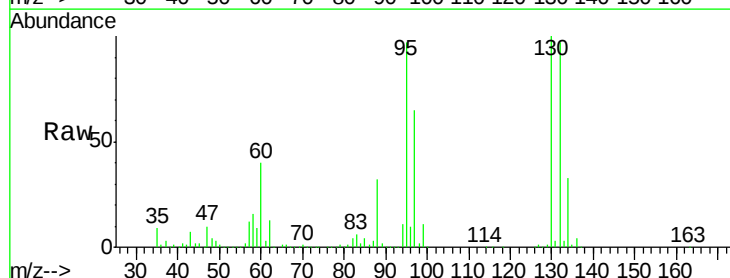
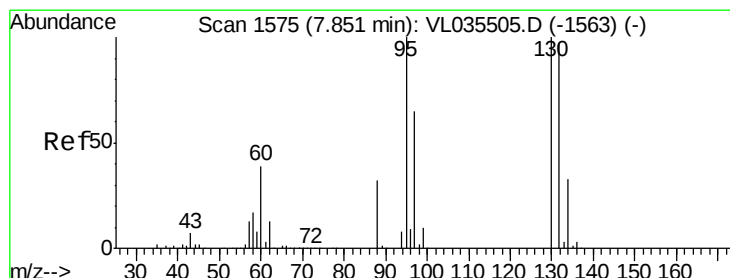
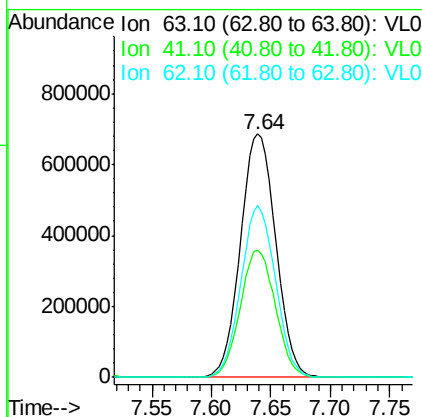
VSTDIC015

Manual Integrations

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#40

1,4-Dioxane

Concen: 14.677 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tgt Ion: 88 Resp: 718698

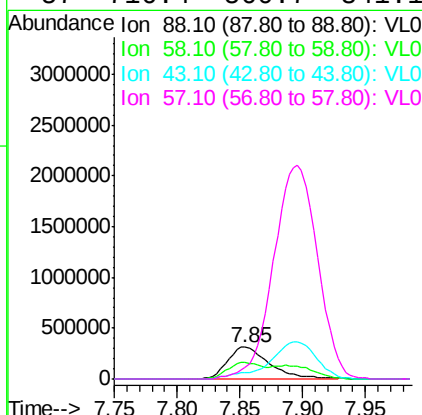
Ion Ratio Lower Upper

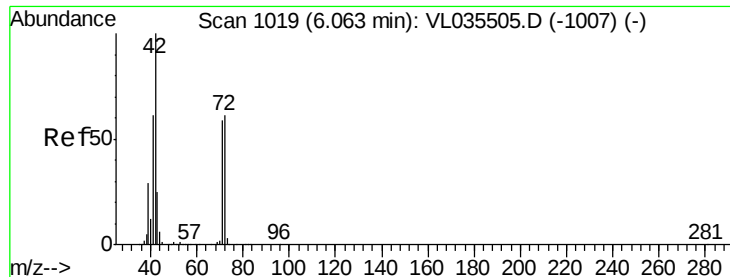
88 100

58 87.3 68.7 103.1

43 135.9 104.3 156.5

57 716.4 560.7 841.1





#41

Tetrahydrofuran

Concen: 15.524 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

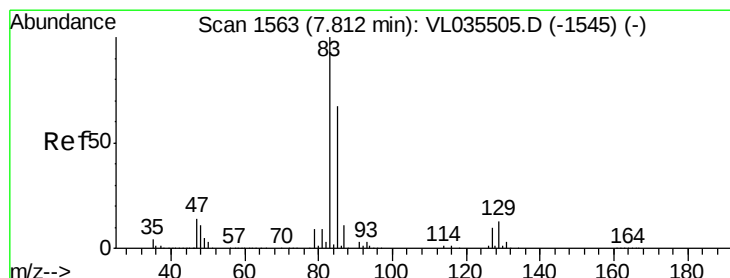
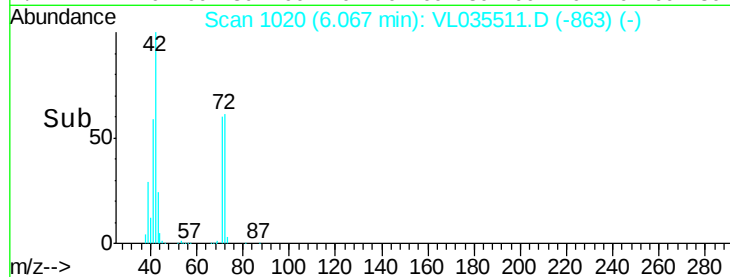
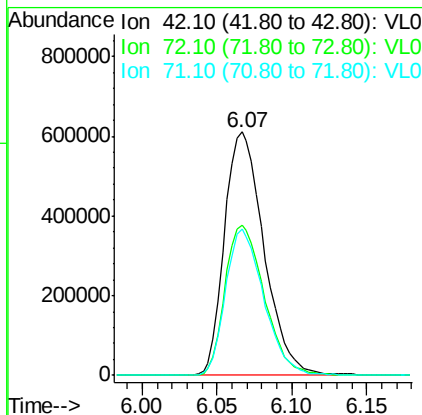
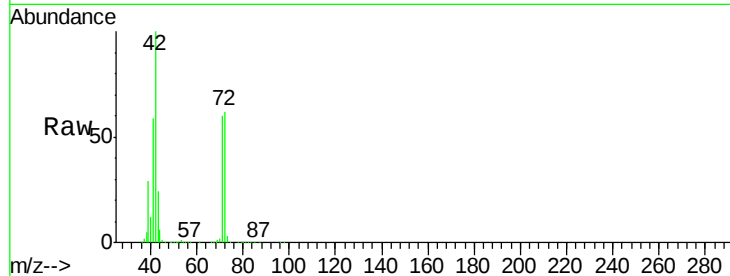
ClientSampleId :

VSTDIC015

Tot Ion:	42	Resp:	1122250
Ion	Ratio	Lower	Upper
42	100		
72	61.6	48.6	73.0
71	58.4	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 15.036 ppbv

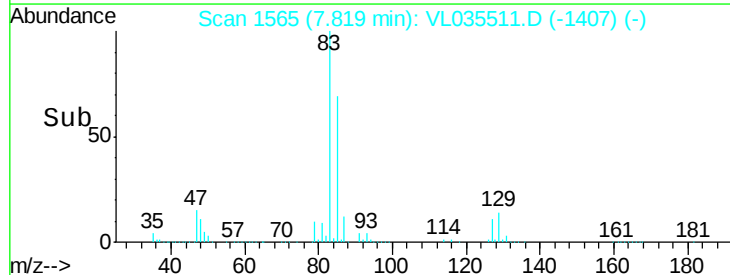
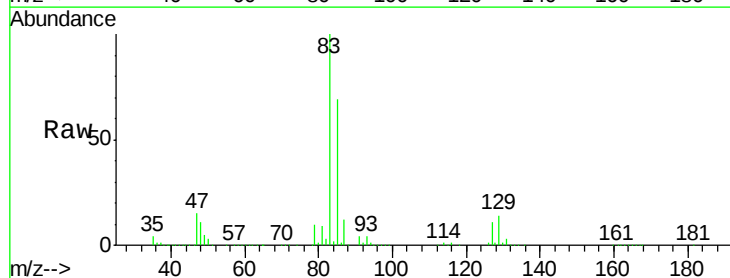
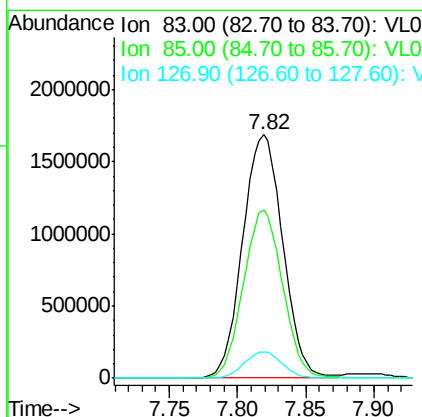
RT: 7.82 min Scan# 1565

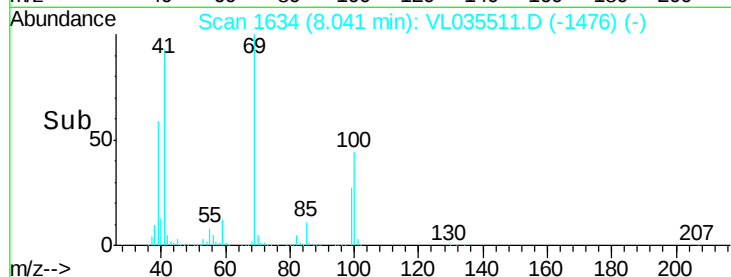
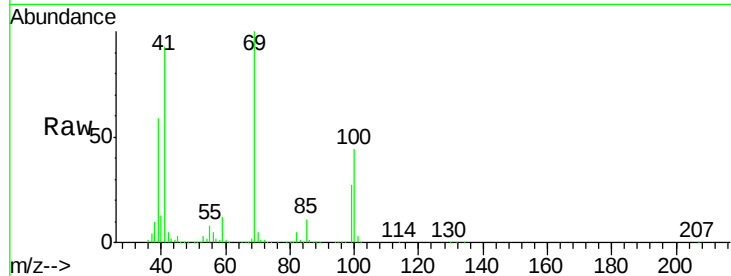
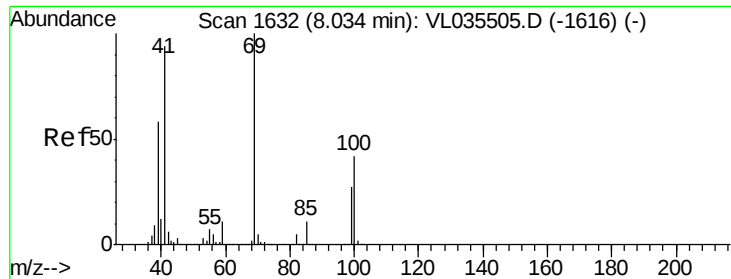
Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tgt Ion:	83	Resp:	3452462
Ion	Ratio	Lower	Upper
83	100		
85	69.0	53.7	80.5
127	10.7	8.1	12.1





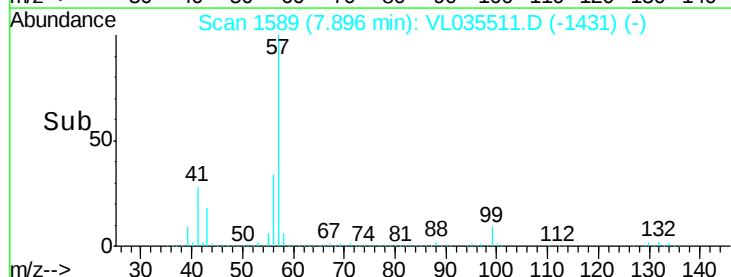
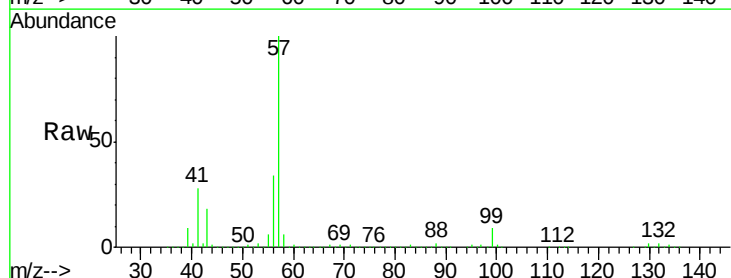
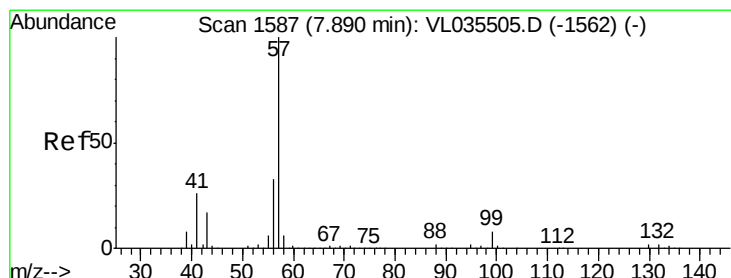
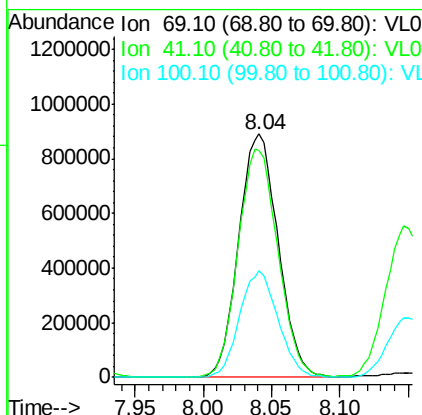
#43
Methvl Methacrilate
Concen: 15.512 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tot Ion: 69 Resp: 1783417
Ion Ratio Lower Upper
69 100
41 95.1 76.6 114.8
100 42.6 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

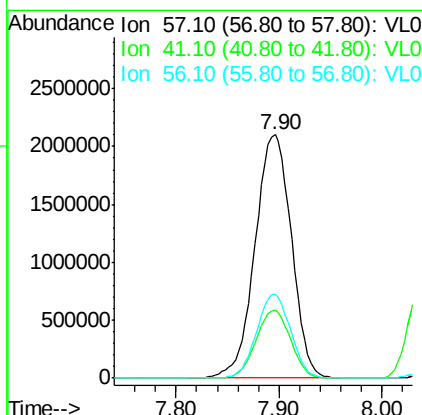
Manual Integrations
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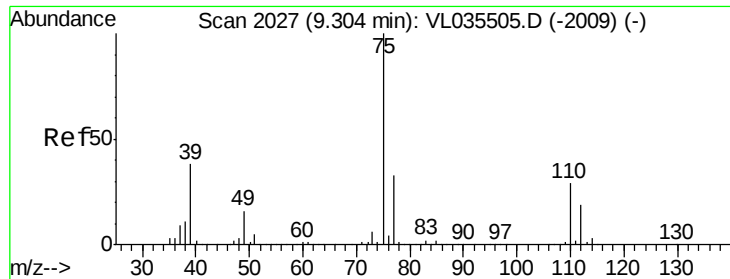
MMDadoda
8/28/2020 3:17:38 PM



#44
2,2,4-Trimethylpentane
Concen: 13.227 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion: 57 Resp: 5144098
Ion Ratio Lower Upper
57 100
41 26.6 20.5 30.7
56 32.4 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 17.626 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tot Ion: 75 Resp: 2072914

Ion Ratio Lower Upper

75 100

77 34.3 26.5 39.7

Instrument :

MSVOA_L

ClientSampled :

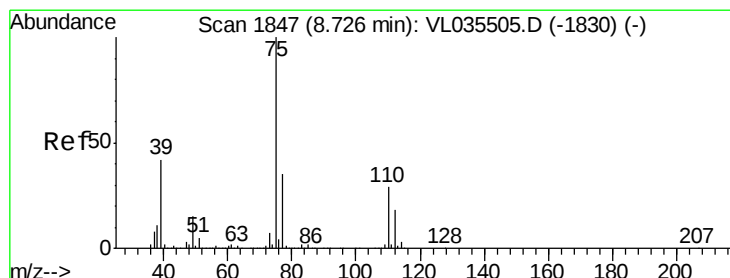
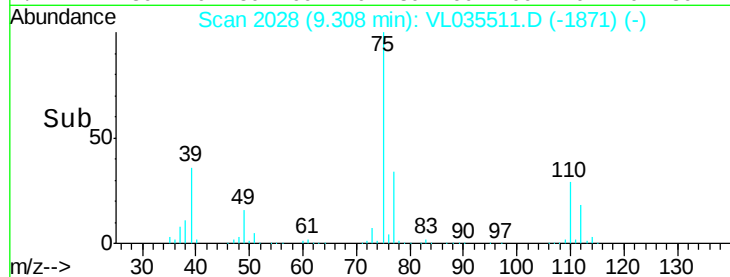
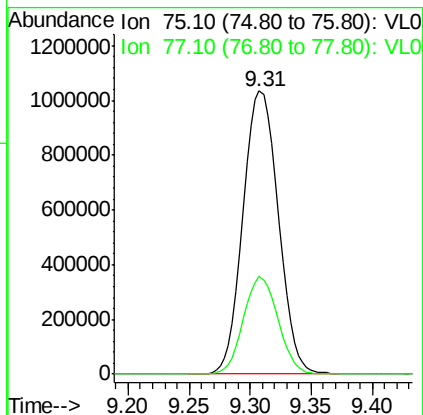
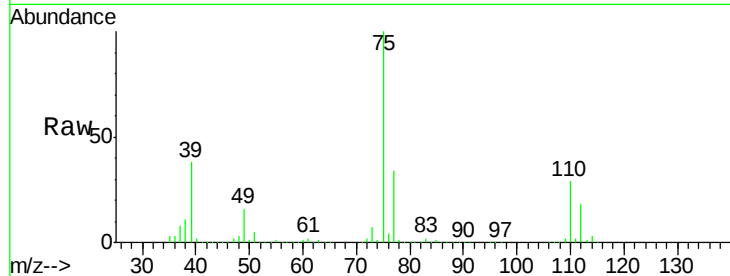
VSTDIC015

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#46

cis-1,3-Dichloropropene

Concen: 16.543 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

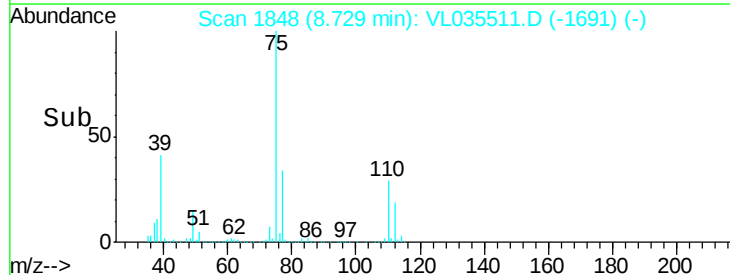
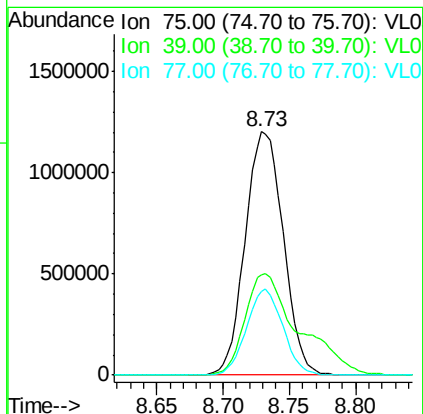
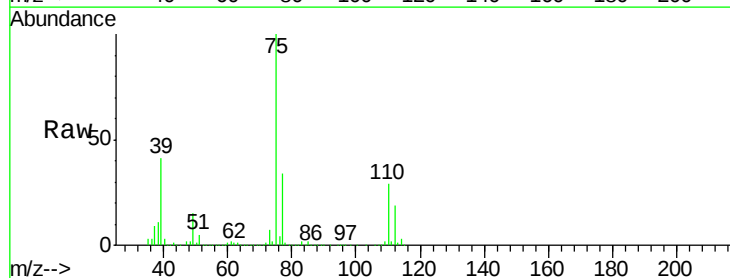
Tgt Ion: 75 Resp: 2411402

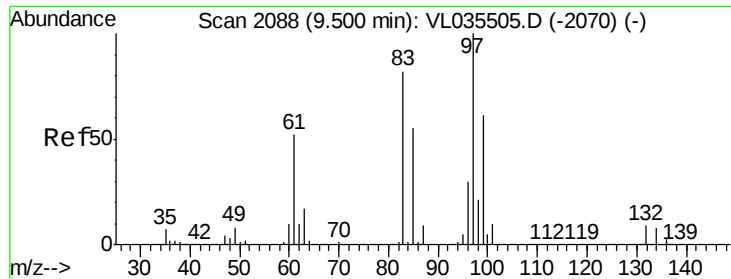
Ion Ratio Lower Upper

75 100

39 41.3 33.7 50.5

77 34.5 27.8 41.6





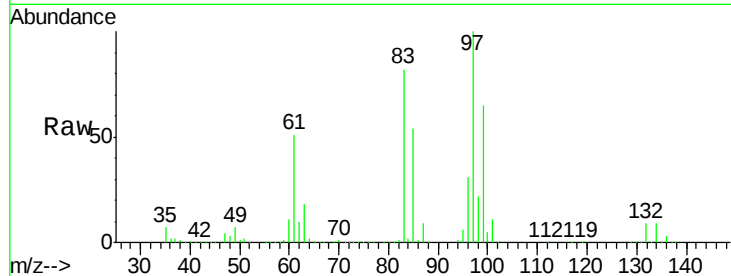
#47
 1,1,2-Trichloroethane
 Concen: 14.196 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

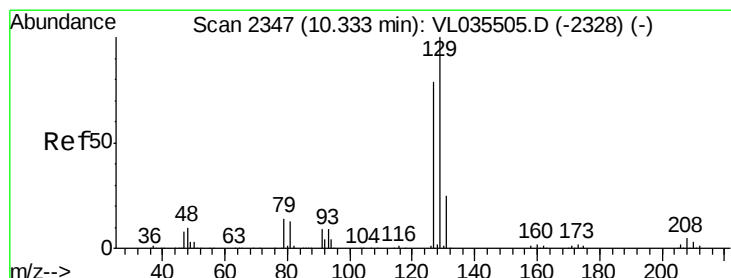
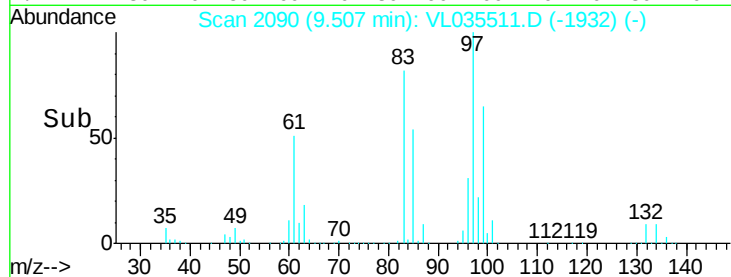
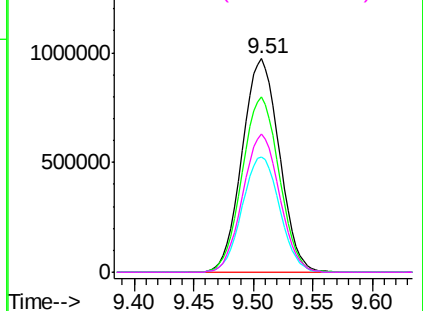
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.0	65.4	98.2	
85	53.9	43.7	65.5	
99	64.8	49.1	73.7	

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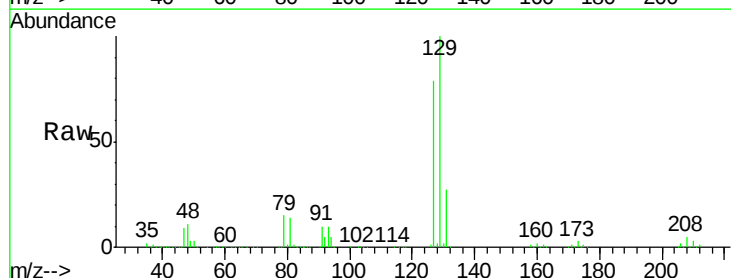


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

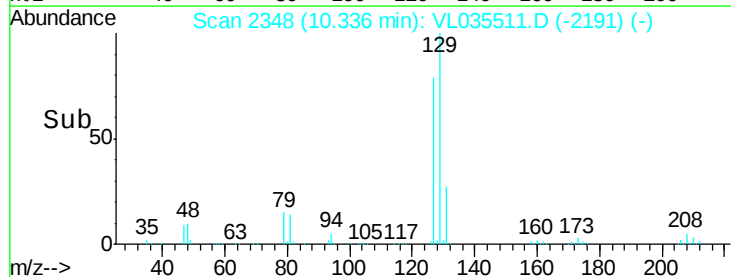
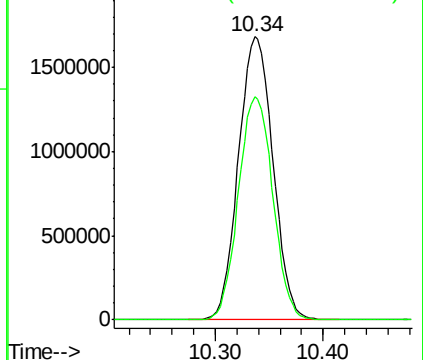


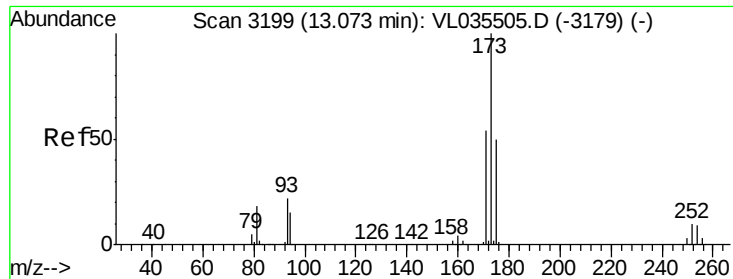
#48
 Dibromochloromethane
 Concen: 15.894 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	39.3	117.8	



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





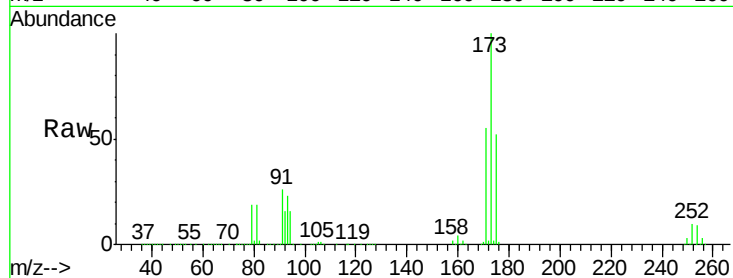
#49
Bromoform
Concen: 16.635 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

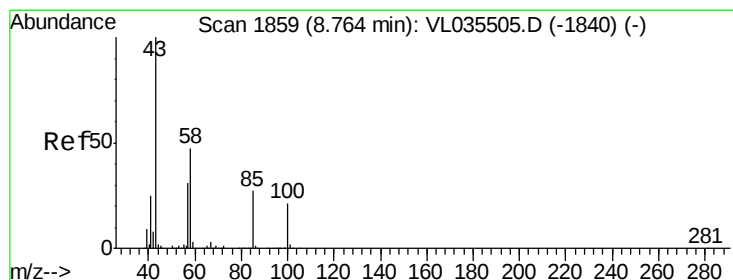
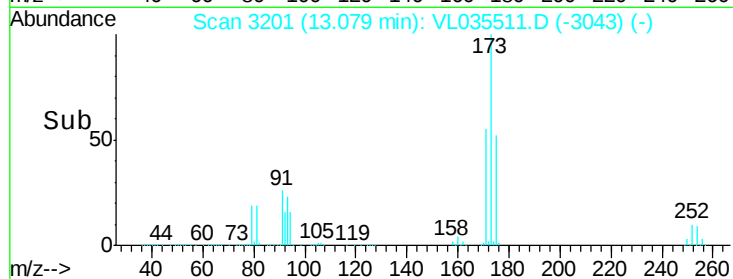
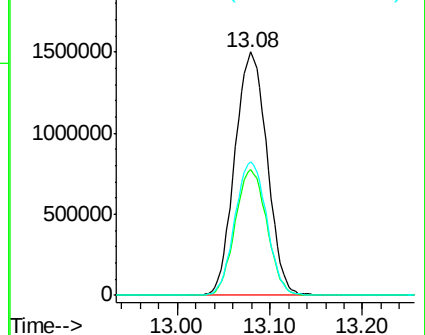
Tot Ion:173 Resp: 3636754
Ion Ratio Lower Upper
173 100
175 51.0 39.8 59.8
171 54.2 42.4 63.6

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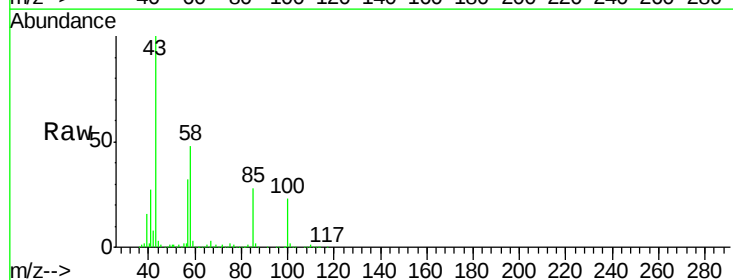


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

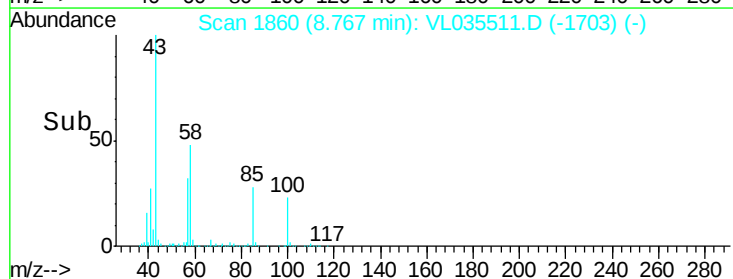
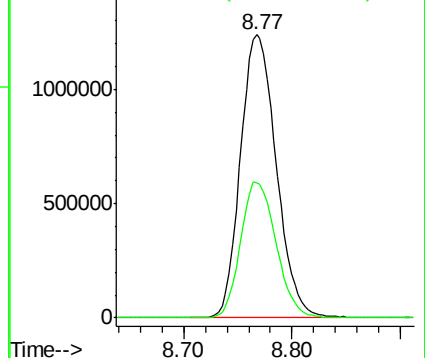


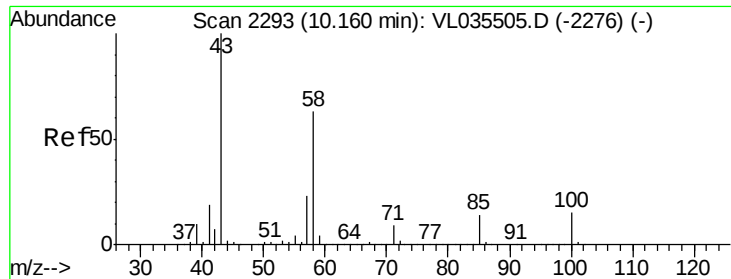
#50
4-Methyl-2-Pentanone
Concen: 14.877 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion: 43 Resp: 2859658
Ion Ratio Lower Upper
43 100
58 47.8 37.4 56.0



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





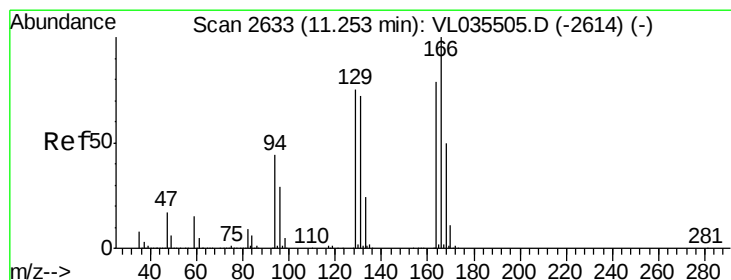
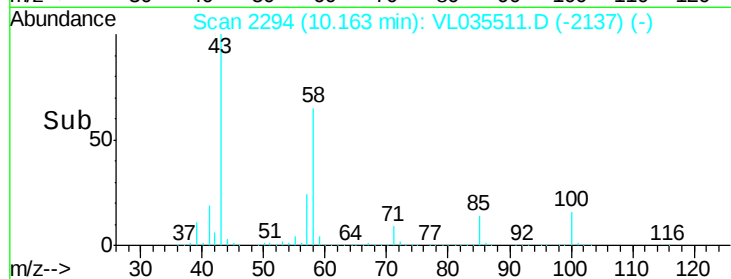
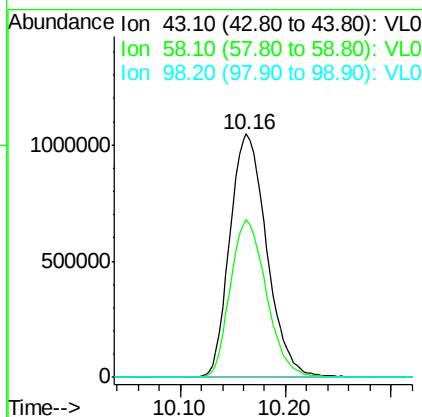
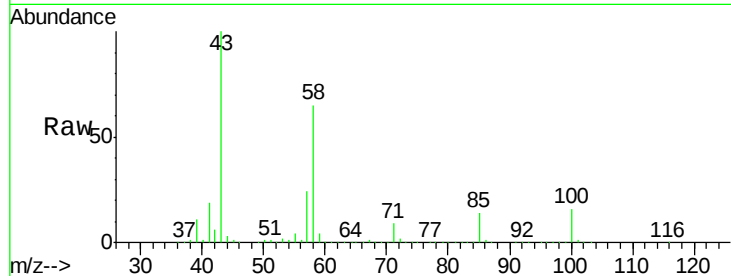
#51
2-Hexanone
Concen: 16.123 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 2539922
Ion Ratio Lower Upper
43 100
58 63.7 50.2 75.4
98 0.4 0.4 0.6#

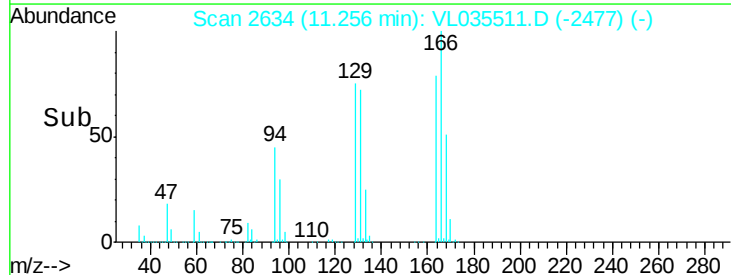
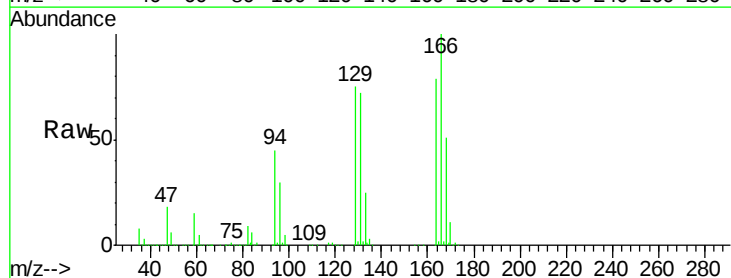
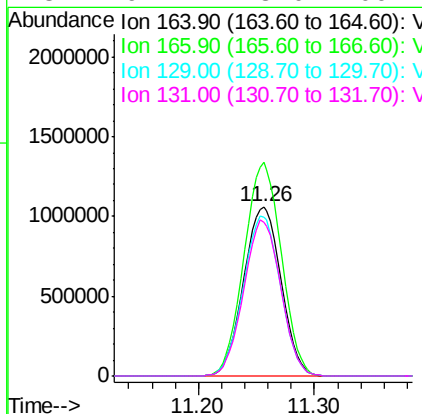
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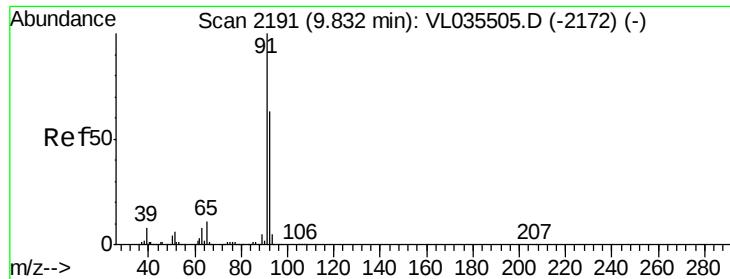
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#52
Tetrachloroethene
Concen: 13.854 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion:164 Resp: 2387720
Ion Ratio Lower Upper
164 100
166 126.4 100.9 151.3
129 94.2 75.3 112.9
131 91.1 73.0 109.4





#53

Toluene

Concen: 14.057 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5281609

Ion Ratio Lower Upper

91 100

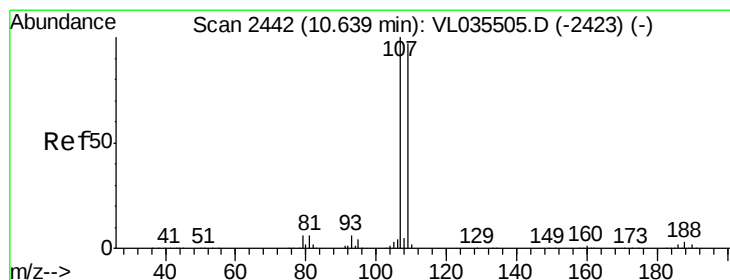
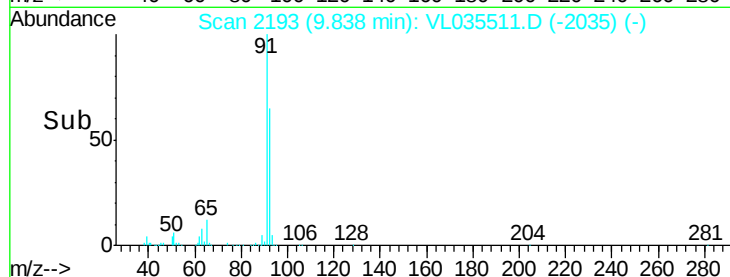
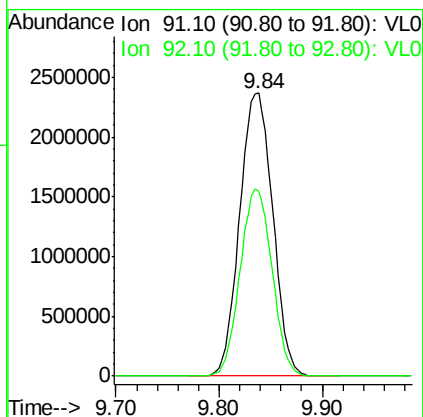
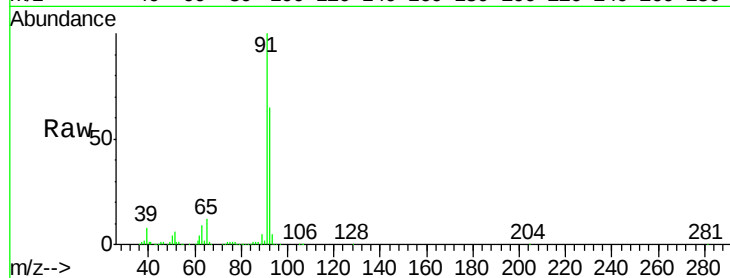
92 63.9 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 14.355 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035511.D

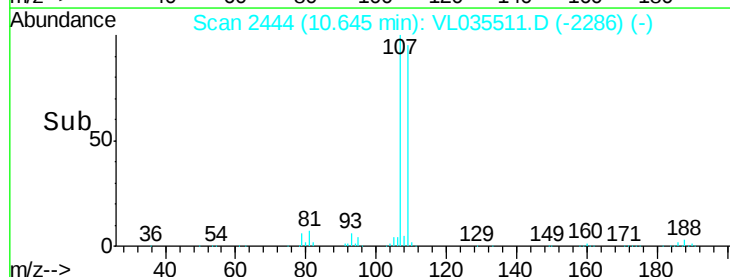
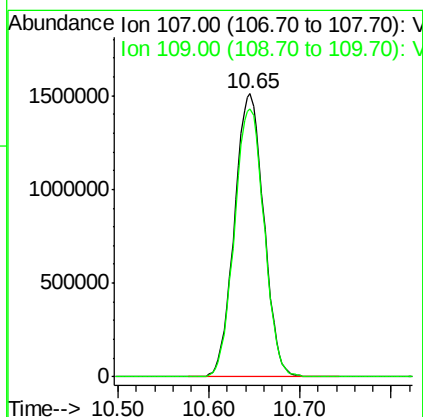
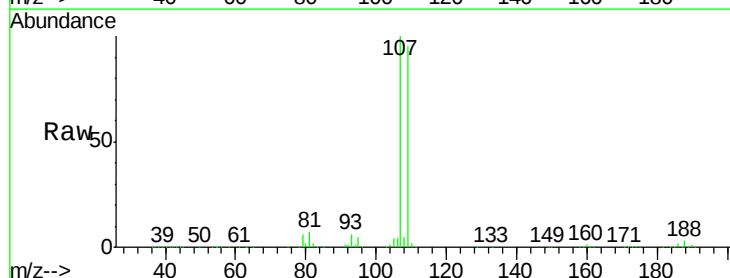
Acq: 27 Aug 2020 6:02

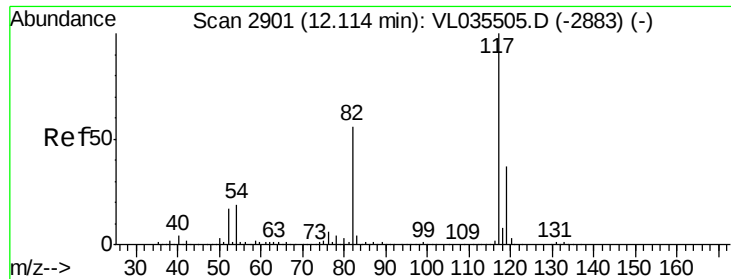
Tgt Ion: 107 Resp: 3385608

Ion Ratio Lower Upper

107 100

109 94.5 77.8 116.8





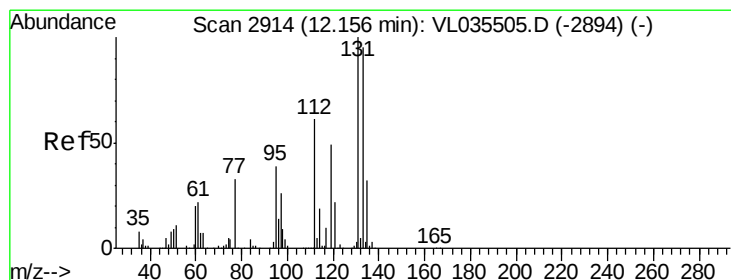
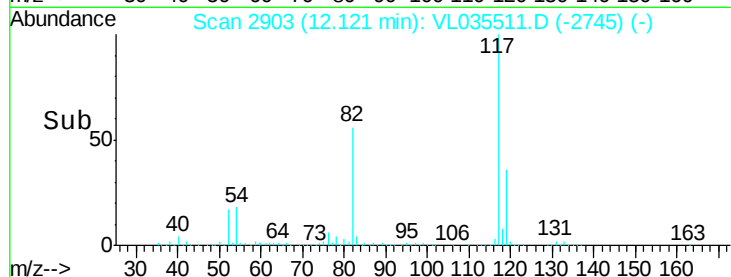
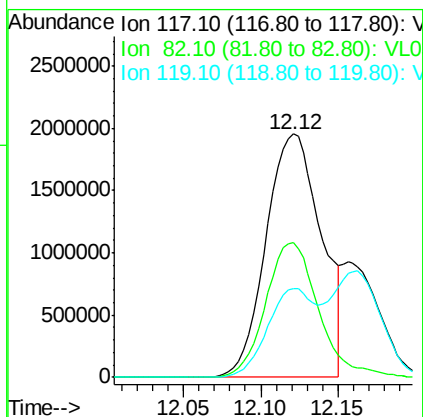
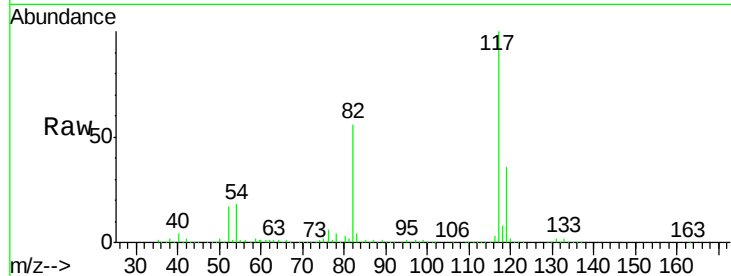
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 4860686
Ion Ratio Lower Upper
117 100
82 53.3 41.6 62.4
119 30.8 29.3 43.9

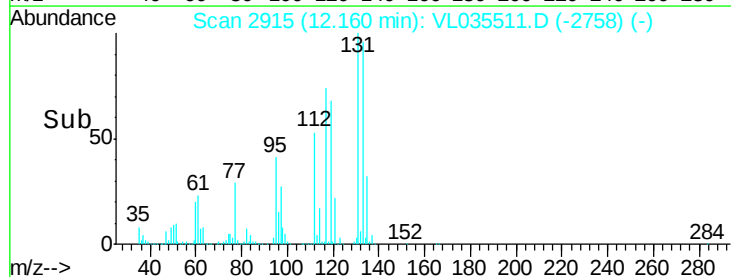
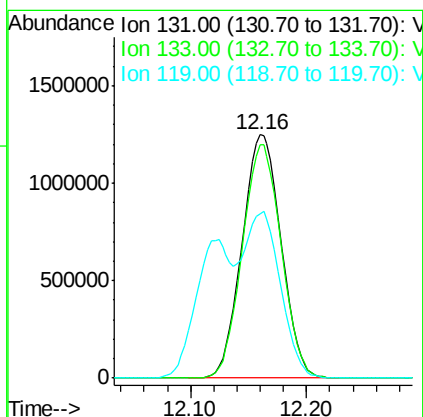
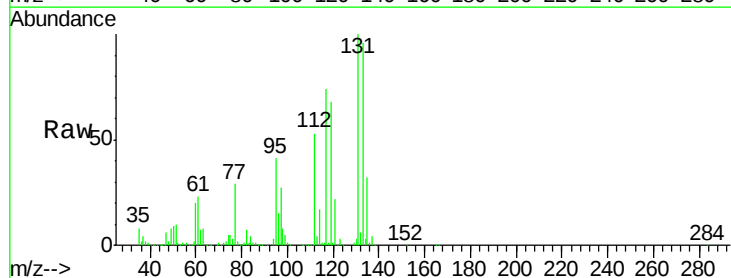
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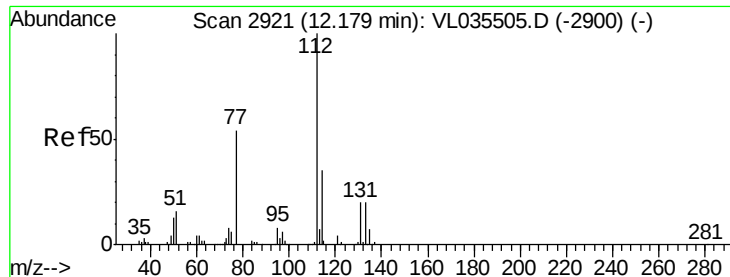
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#56
1,1,1,2-Tetrachloroethane
Concen: 14.401 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion:131 Resp: 2923070
Ion Ratio Lower Upper
131 100
133 95.8 76.6 115.0
119 71.2 51.6 77.4





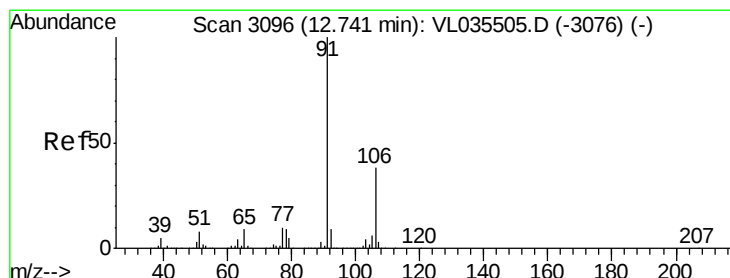
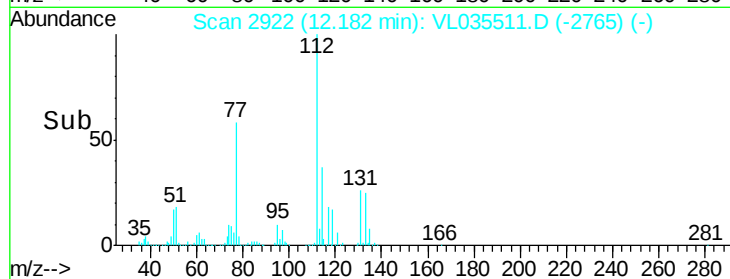
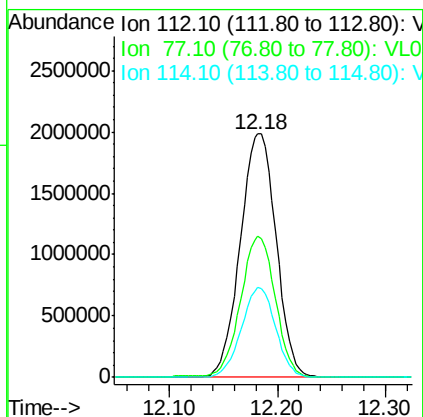
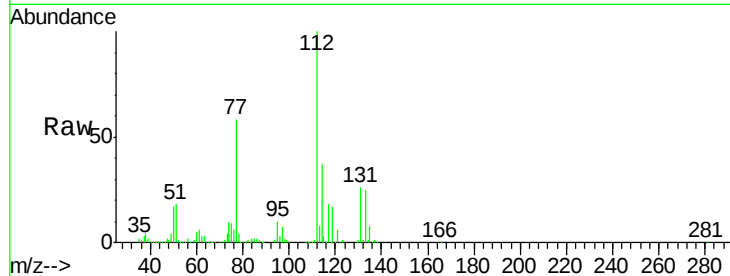
#57
Chlorobenzene
Concen: 12.696 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
112	100		
77	58.1	44.2	66.4
114	37.0	31.6	38.6

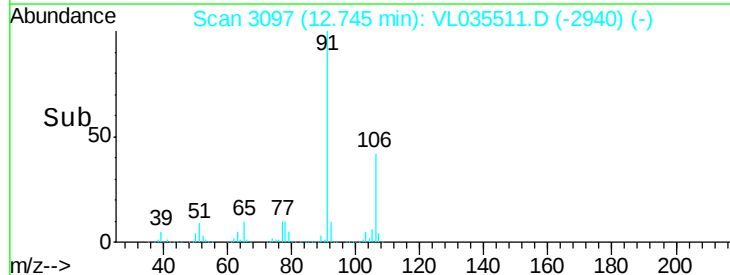
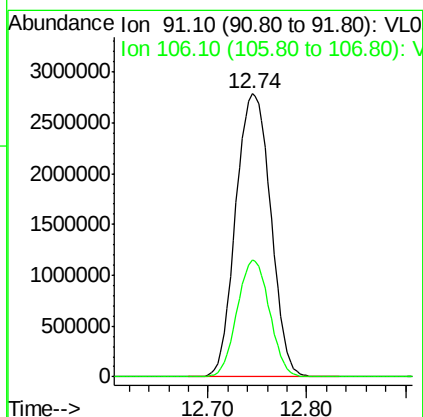
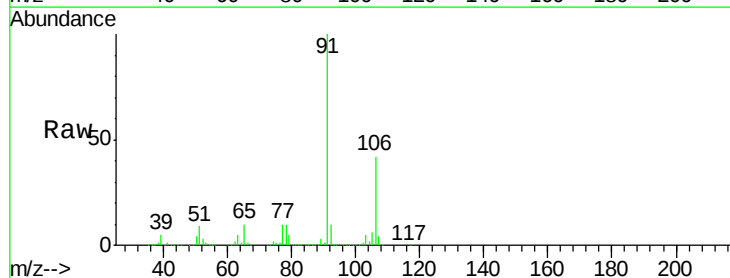
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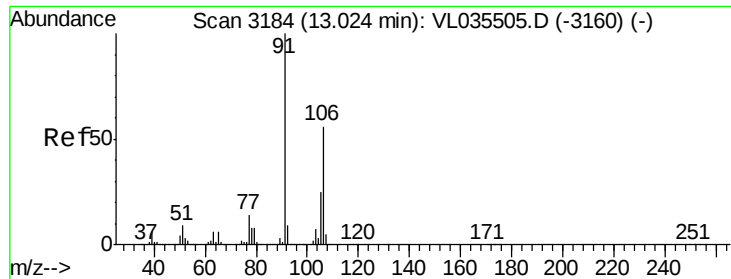
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#58
Ethyl Benzene
Concen: 13.305 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.6	30.3	45.5





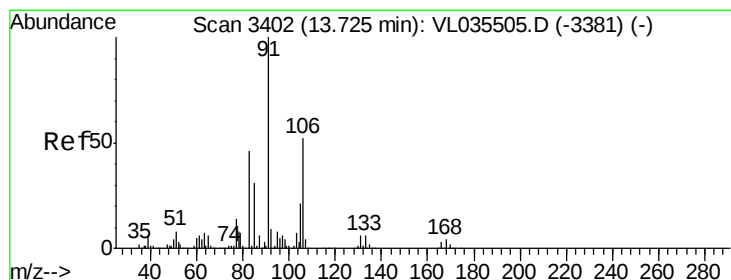
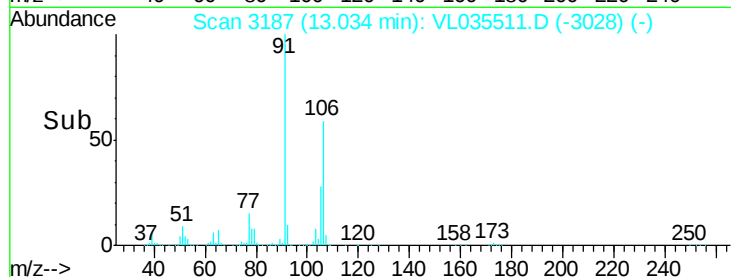
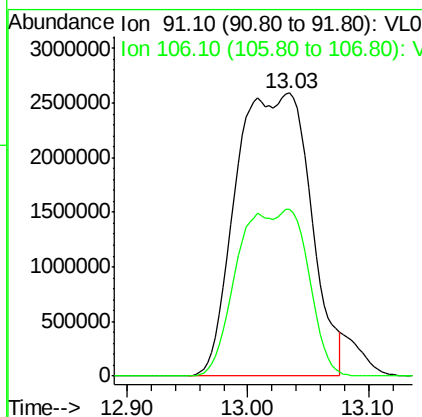
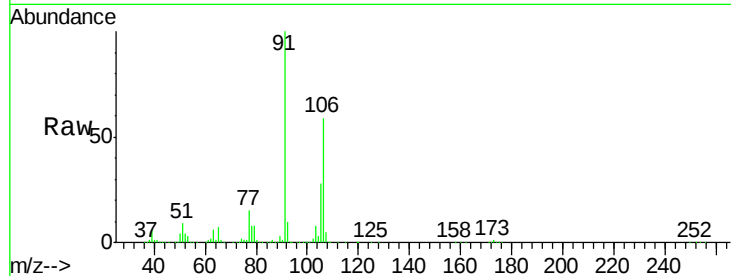
#59
m/p-Xylene
Concen: 25.269 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 11059581
Ion Ratio Lower Upper
91 100
106 55.7 43.4 65.2

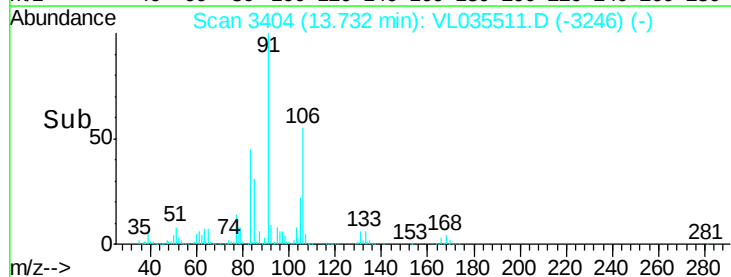
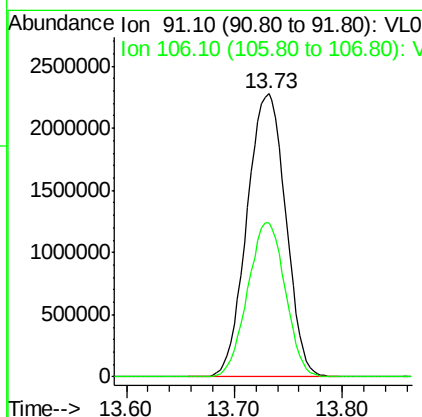
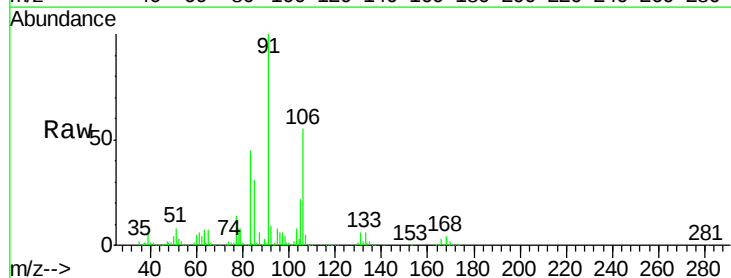
Manual Integrations
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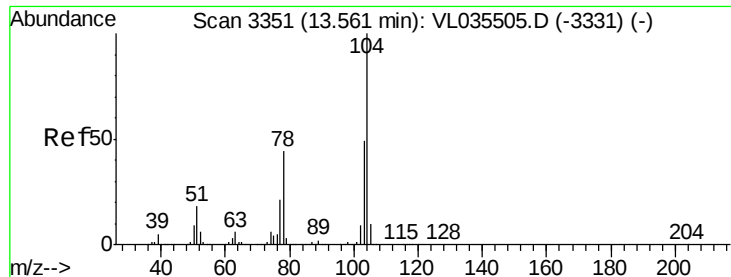
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#60
o-Xylene
Concen: 13.185 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion: 91 Resp: 5683889
Ion Ratio Lower Upper
91 100
106 52.9 25.8 77.4





#61

Stvrene

Concen: 14.590 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:104 Resp: 4844386

Ion Ratio Lower Upper

104 100

78 45.1 34.8 52.2

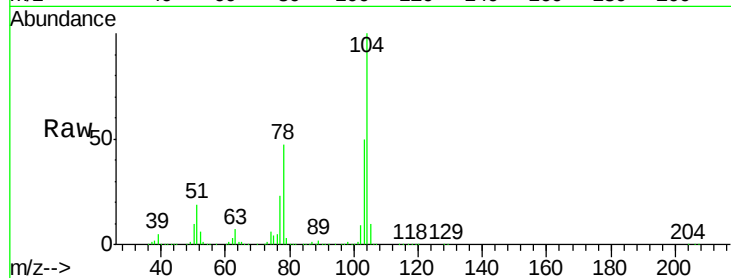
103 48.7 38.2 57.4

Manual Integrations

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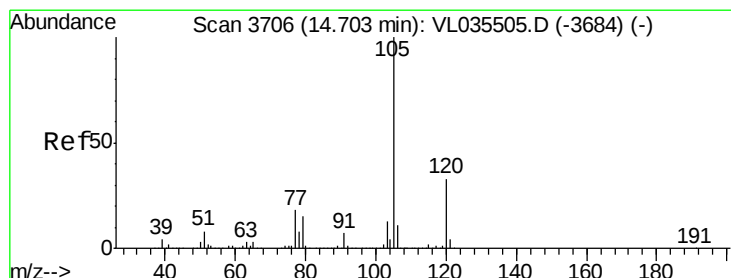
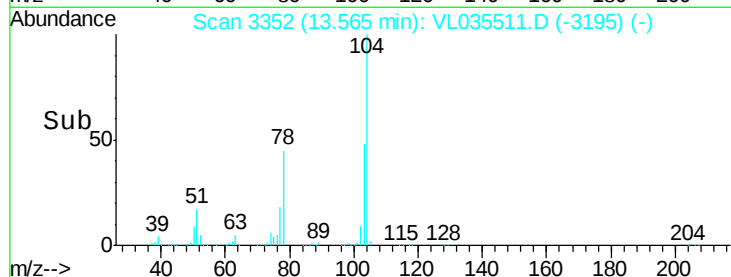
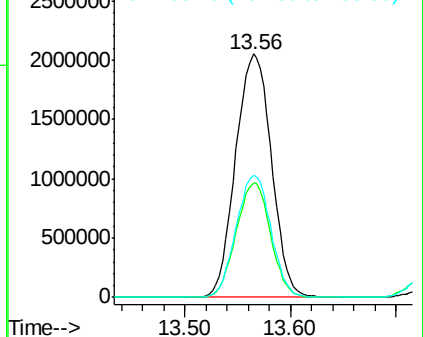
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 12.216 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VL035511.D

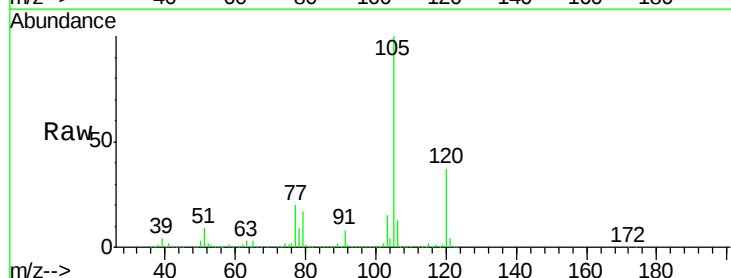
Acq: 27 Aug 2020 6:02

Tgt Ion:105 Resp: 8514667

Ion Ratio Lower Upper

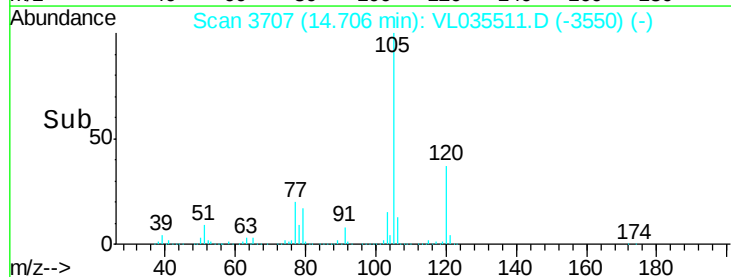
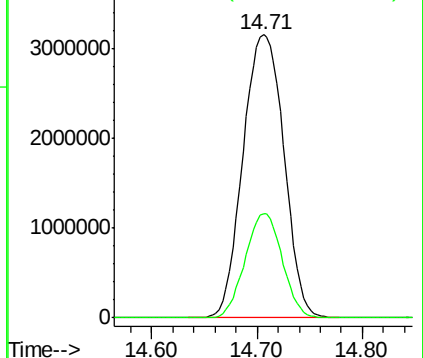
105 100

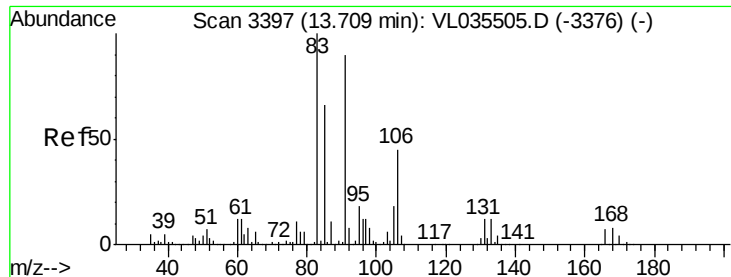
120 33.5 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





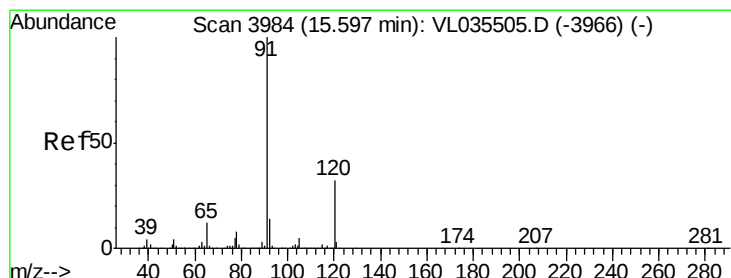
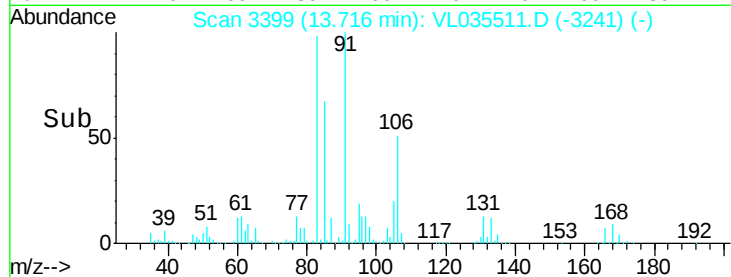
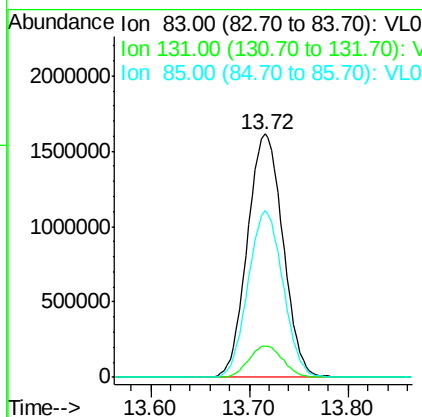
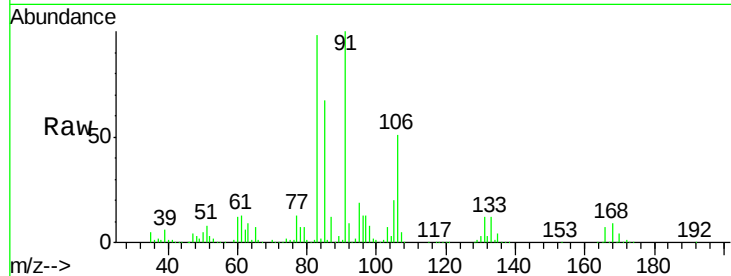
#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.732 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 83 Resp: 4011902
 Ion Ratio Lower Upper
 83 100
 131 12.4 6.0 18.0
 85 67.5 33.4 100.2

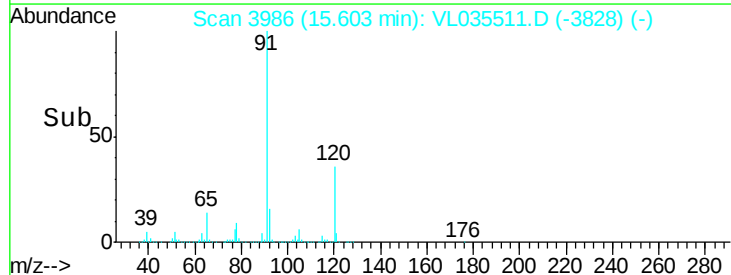
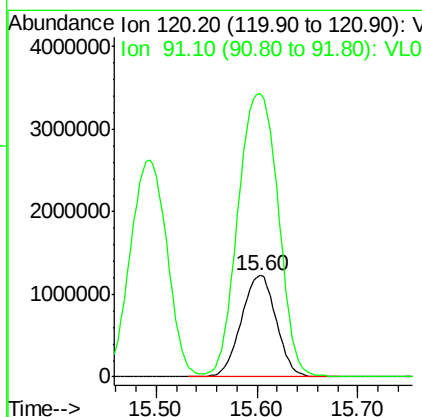
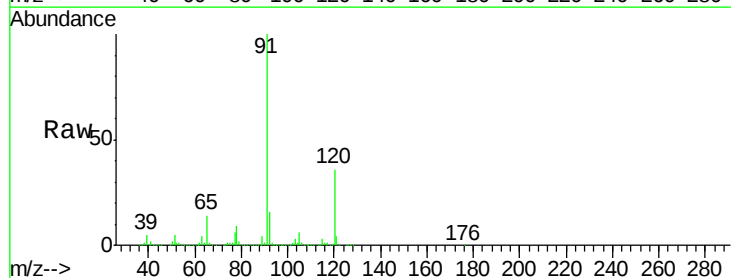
Manual Integrations
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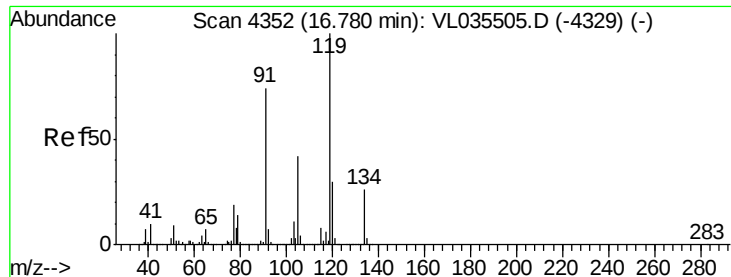
MMDadoda
 8/28/2020 3:17:38 PM



#64
 n-propylbenzene
 Concen: 13.924 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion: 120 Resp: 2953309
 Ion Ratio Lower Upper
 120 100
 91 322.2 279.4 419.0





#65

tert-Butylbenzene

Concen: 12.416 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 8215661

Ion Ratio Lower Upper

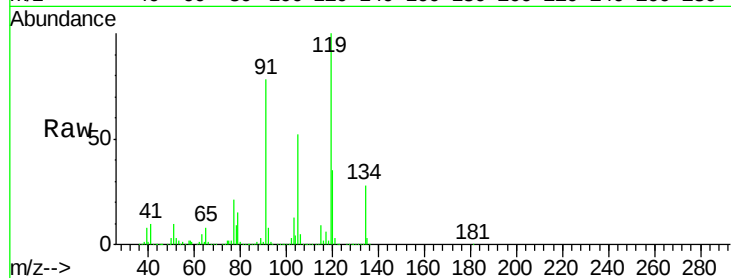
119 100

91 75.6 58.6 87.8

134 24.8 18.9 28.3

Manual Integrations
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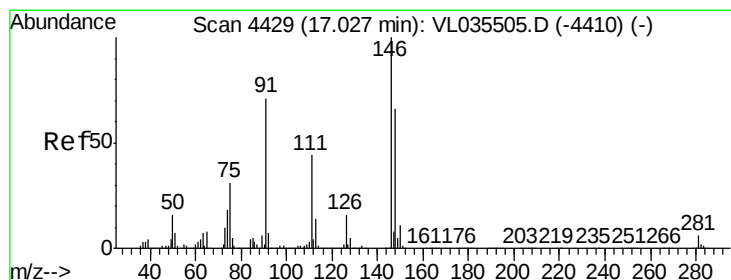
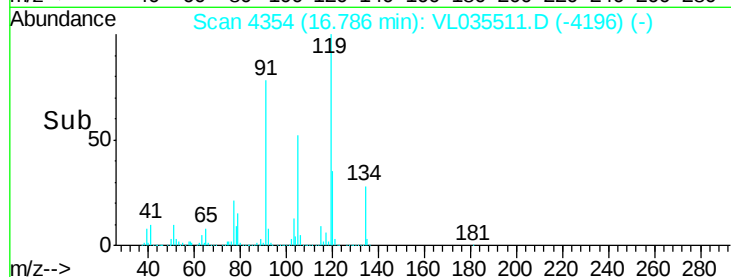
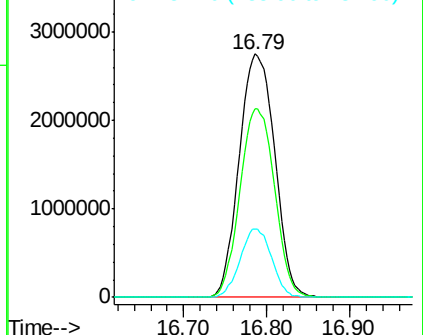
MMDadoda
8/28/2020 3:17:38 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 19.997 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

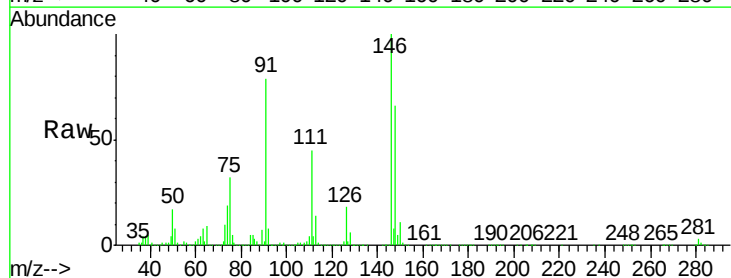
Tgt Ion: 91 Resp: 3219049

Ion Ratio Lower Upper

91 100

126 21.9 17.2 25.8

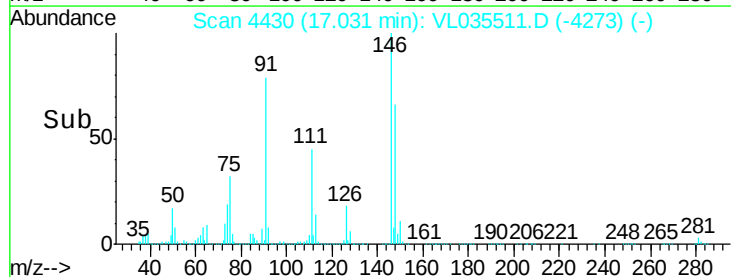
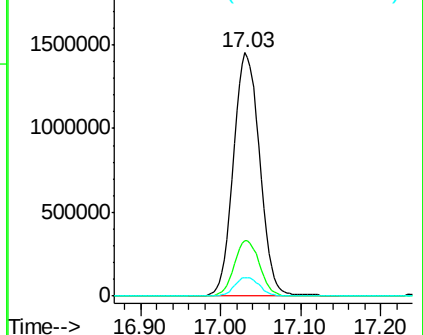
128 7.2 5.5 8.3

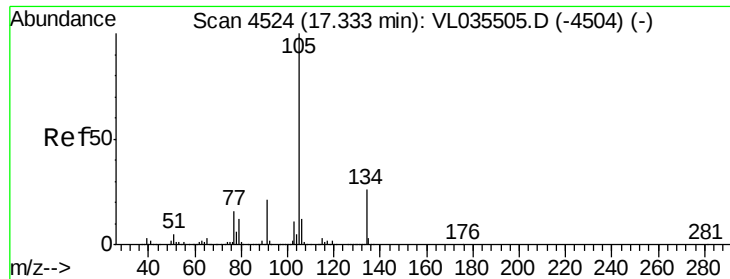


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 11.674 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp:10272300

Ion Ratio Lower Upper

105 100

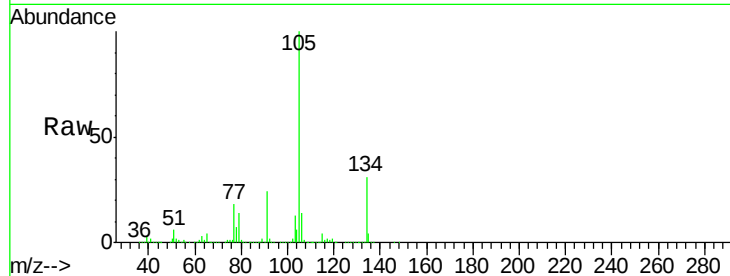
134 26.2 19.1 28.7

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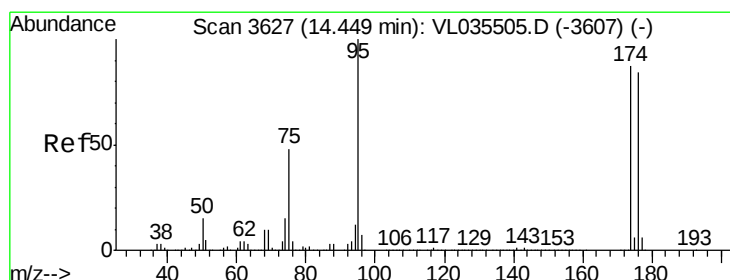
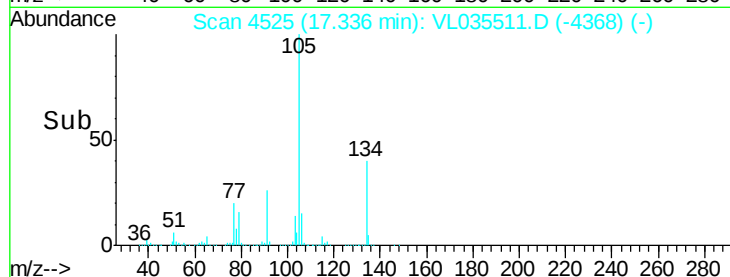
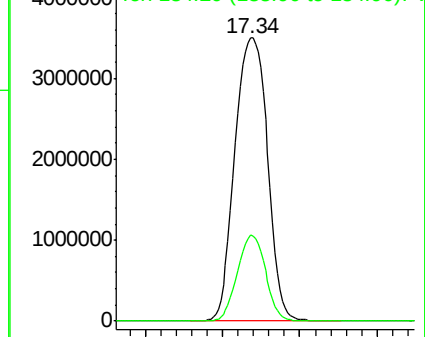
MMDadoda

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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: 9.837 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

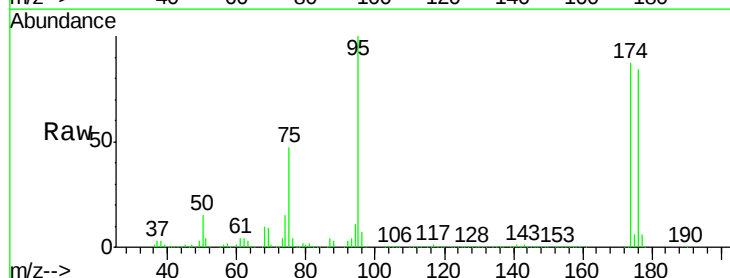
Tgt Ion: 95 Resp: 3389370

Ion Ratio Lower Upper

95 100

174 87.2 69.6 104.4

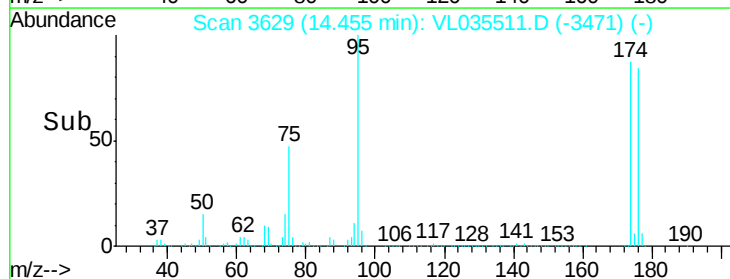
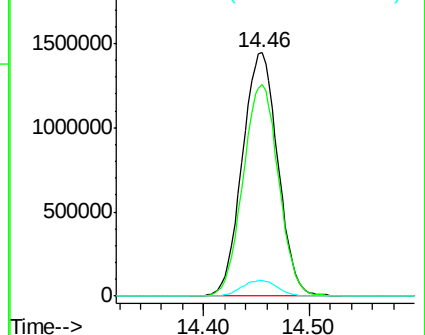
175 6.4 5.1 7.7

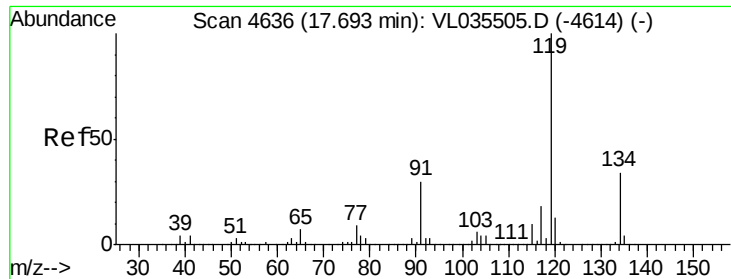


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





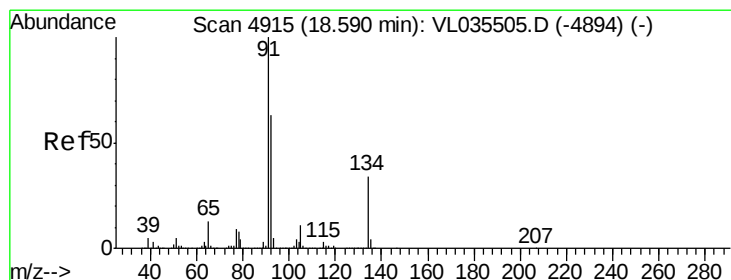
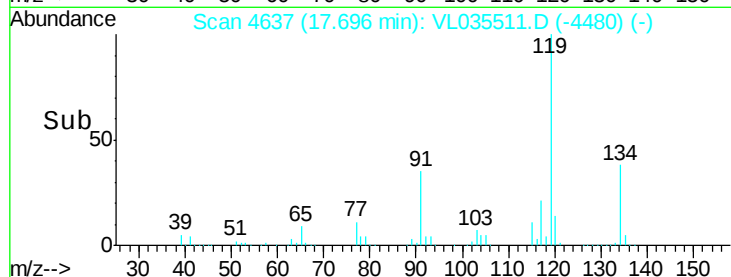
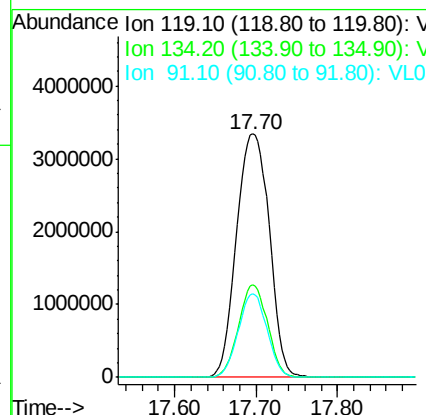
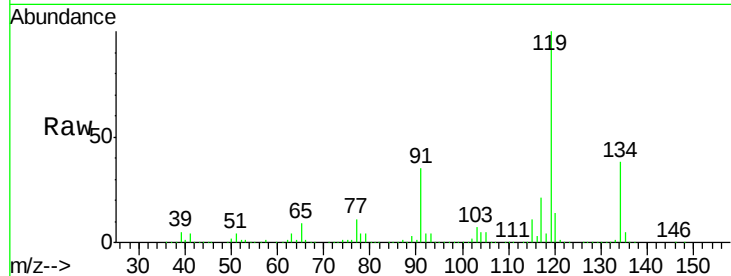
#69
 p-Isopropyltoluene
 Concen: 12.157 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	33.7	25.0	37.4
91	30.3	22.3	33.5

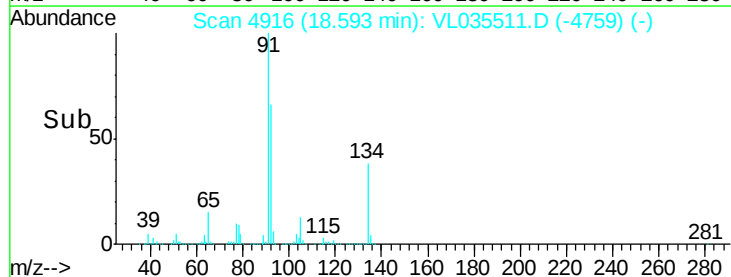
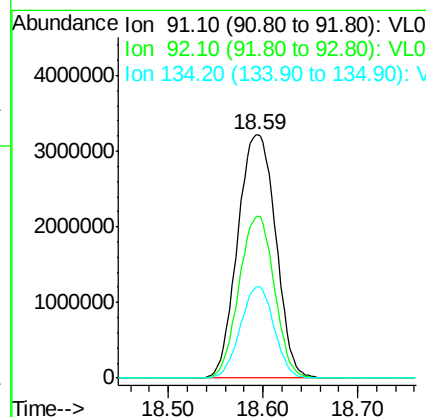
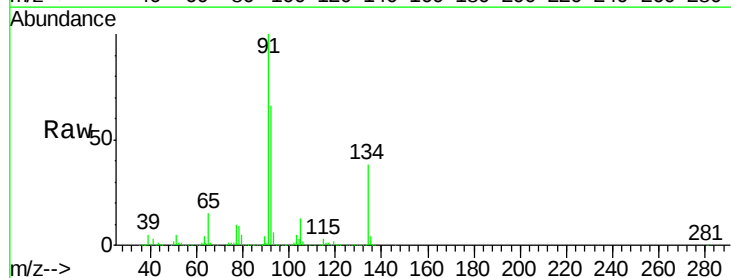
Manual Integrations
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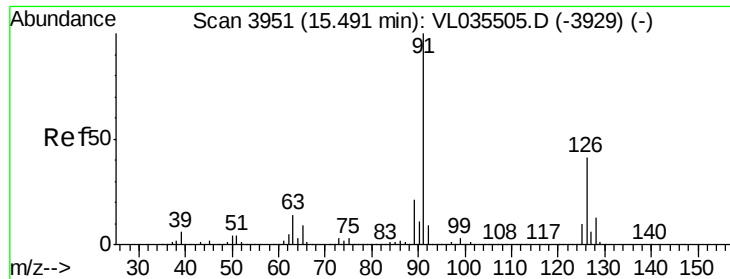
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#70
 n-Butylbenzene
 Concen: 12.180 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.8	47.3	70.9
134	33.5	24.6	37.0





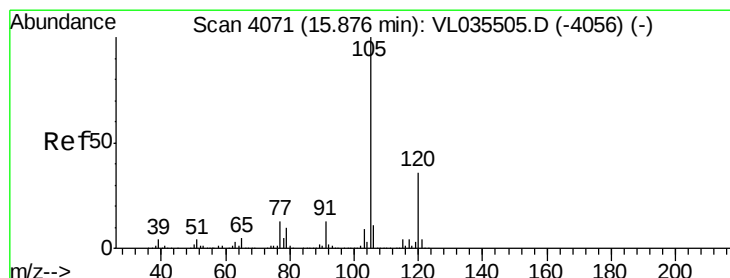
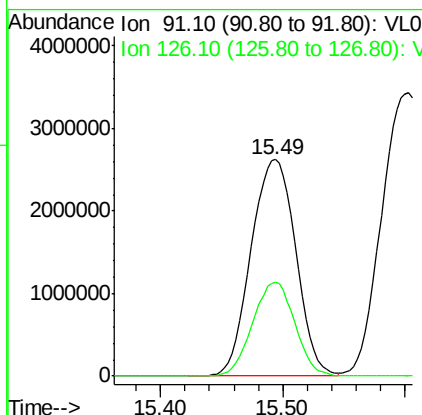
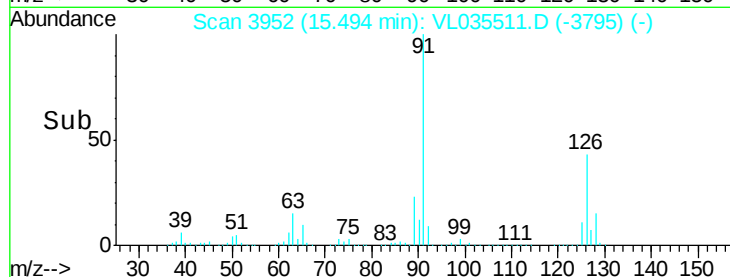
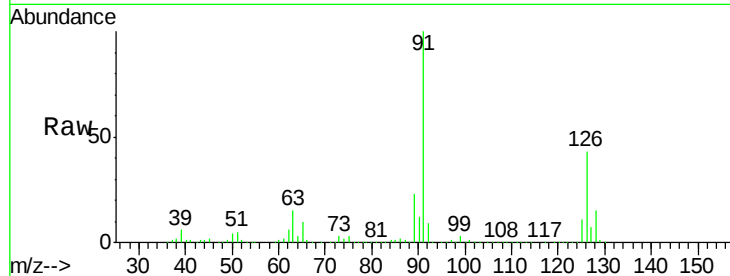
#71
 2-Chlorotoluene
 Concen: 13.271 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 91 Resp: 6694159
 Ion Ratio Lower Upper
 91 100
 126 40.9 15.6 62.6

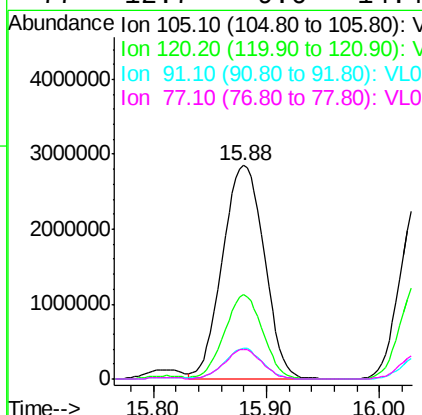
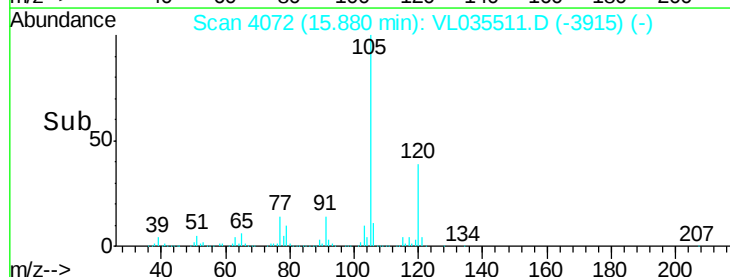
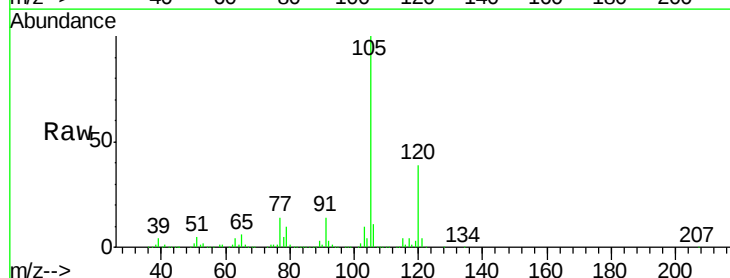
Manual Integrations
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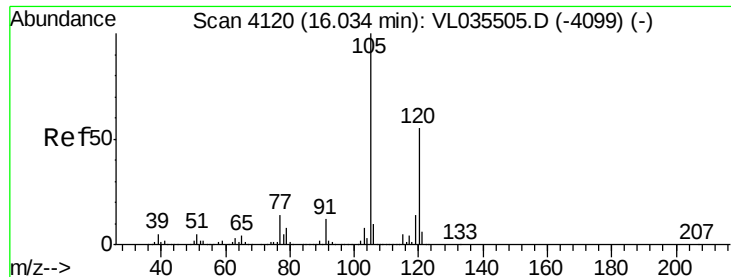
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#72
 4-Ethyltoluene
 Concen: 13.290 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion: 105 Resp: 7308313
 Ion Ratio Lower Upper
 105 100
 120 36.4 27.4 41.2
 91 13.0 9.7 14.5
 77 12.7 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 13.408 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 6819183

Ion Ratio Lower Upper

105 100

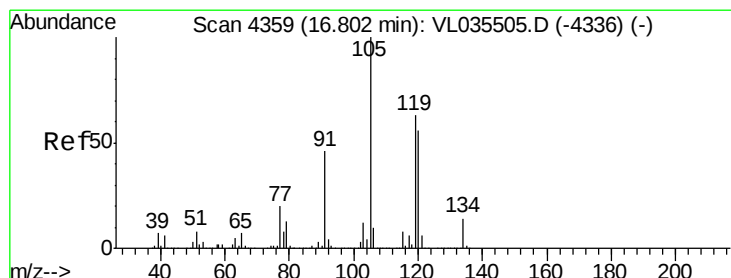
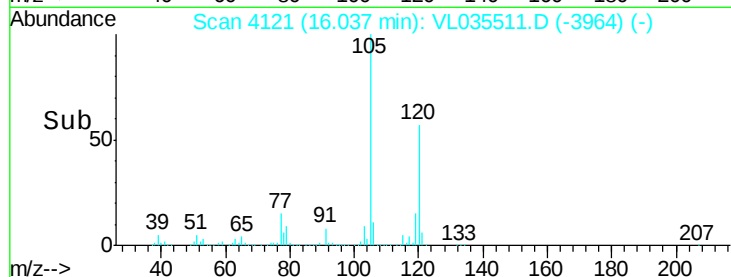
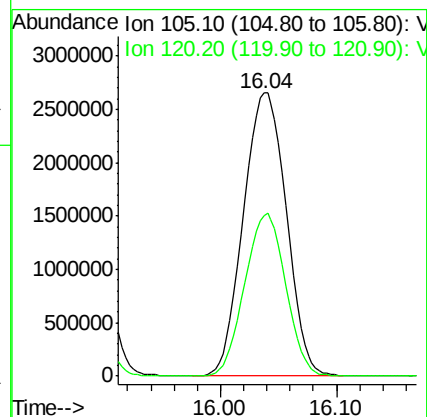
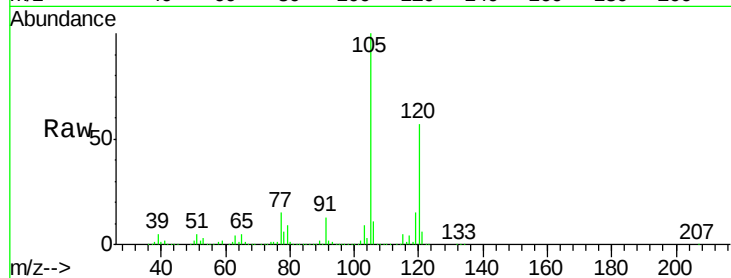
120 56.9 44.2 66.2

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#74

1,2,4-Trimethylbenzene

Concen: 12.509 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Tgt Ion:105 Resp: 6979636

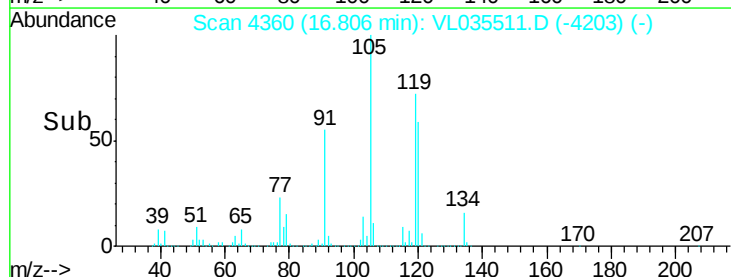
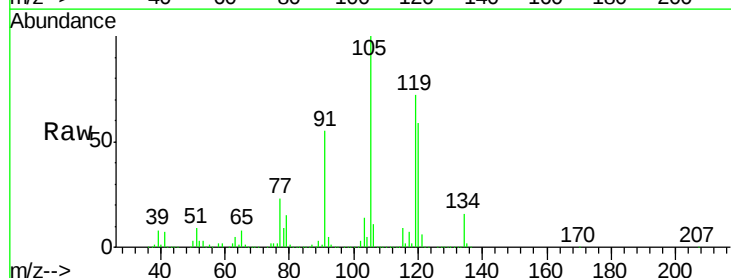
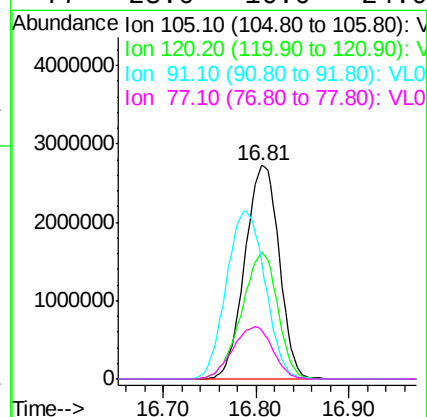
Ion Ratio Lower Upper

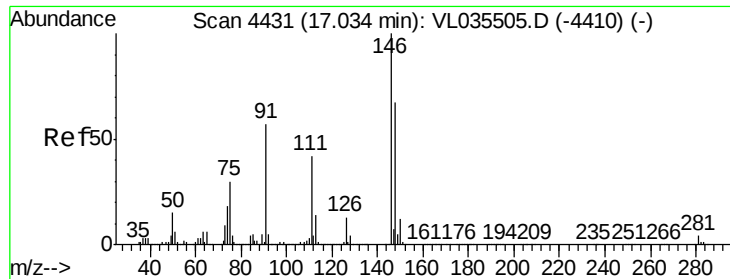
105 100

120 59.0 44.4 66.6

91 55.0 37.1 55.7

77 23.0 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 12.657 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 5291266

Ion Ratio Lower Upper

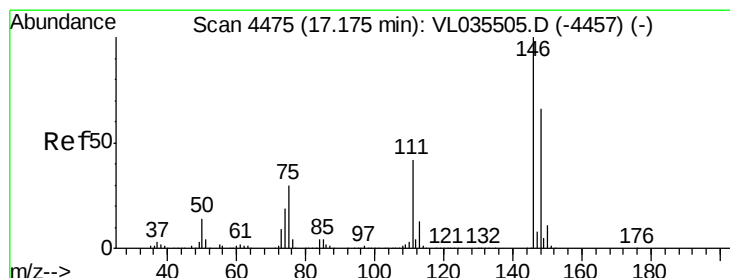
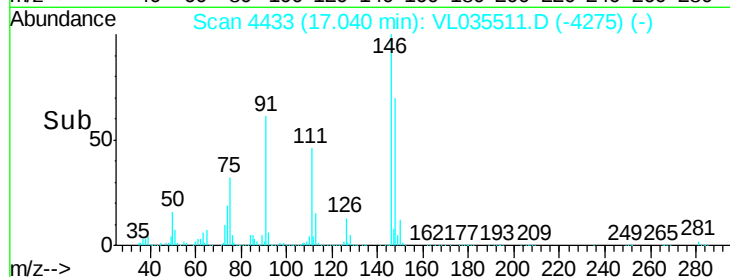
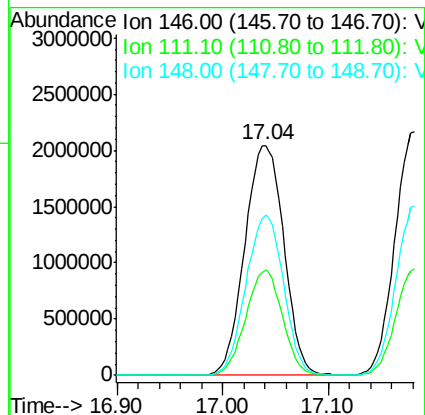
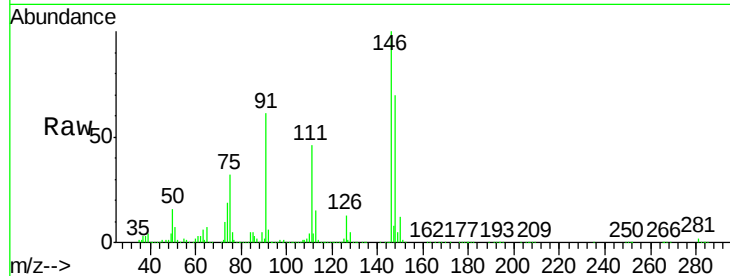
146 100

111 42.8 20.7 62.1

148 67.1 33.0 98.9

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 12.863 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.01 min

Lab File: VL035511.D

Acq: 27 Aug 2020 6:02

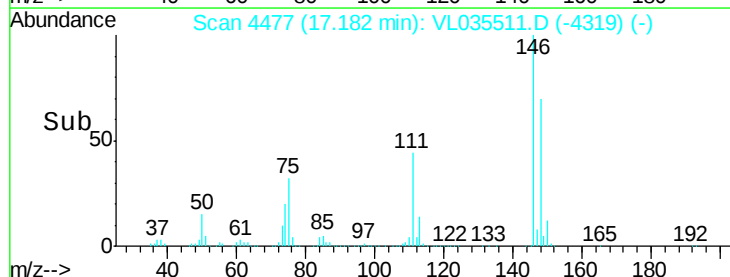
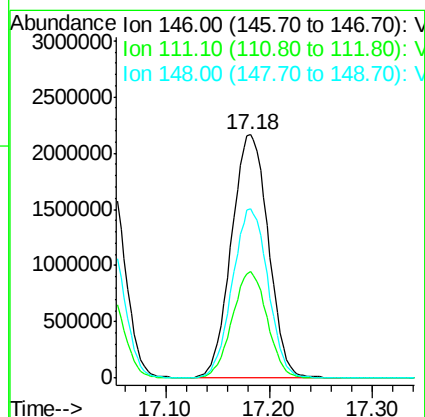
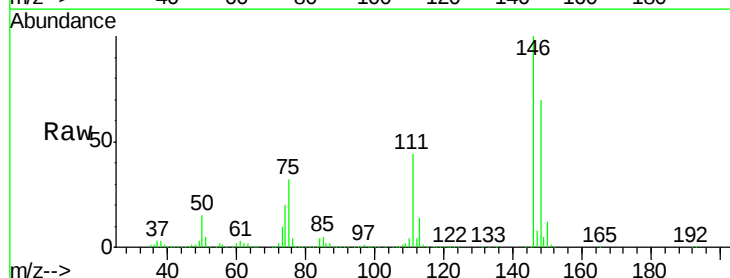
Tgt Ion:146 Resp: 5371486

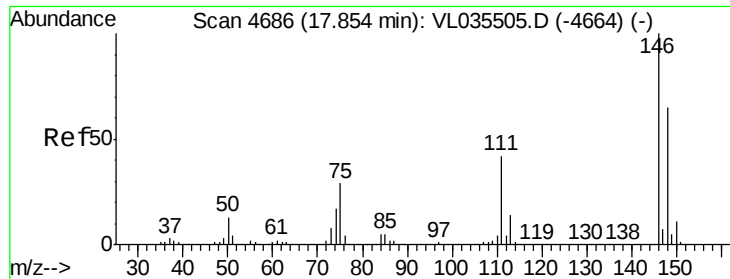
Ion Ratio Lower Upper

146 100

111 41.5 20.0 60.0

148 67.7 33.2 99.6





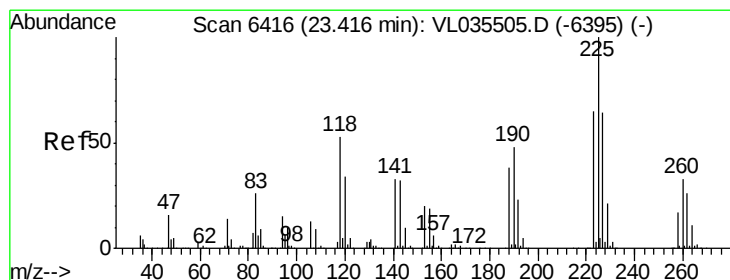
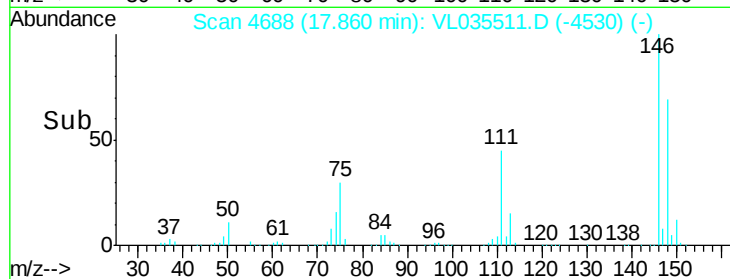
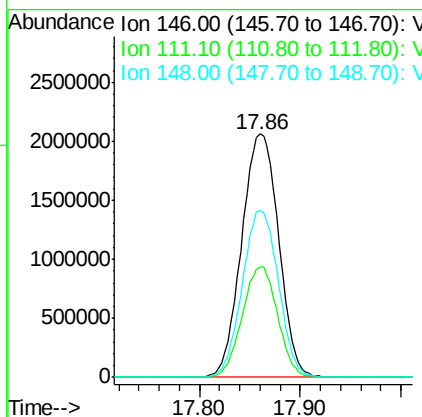
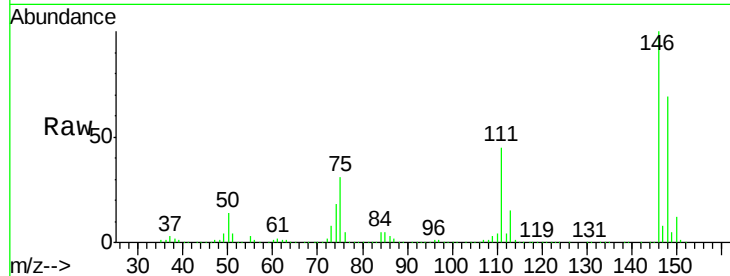
#77
 1,2-Dichlorobenzene
 Concen: 12.730 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	67.1	32.9	98.7

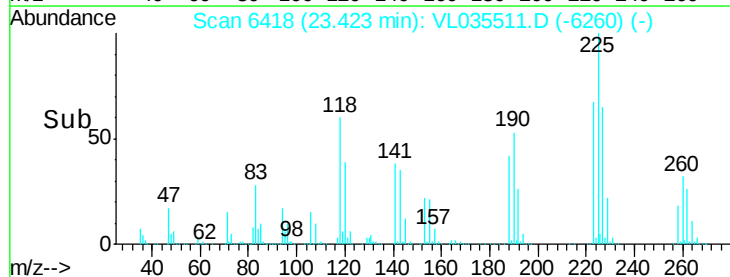
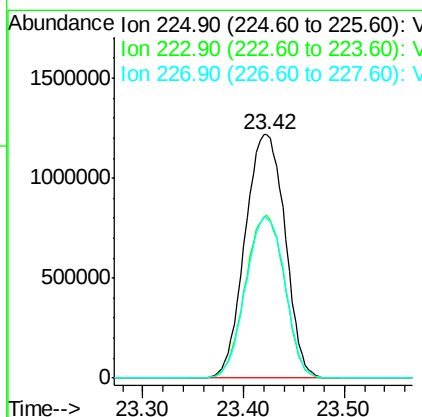
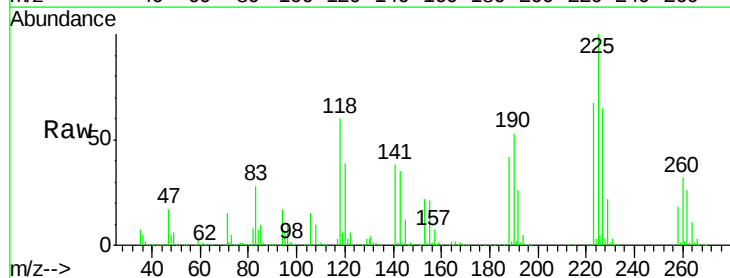
Manual Integrations
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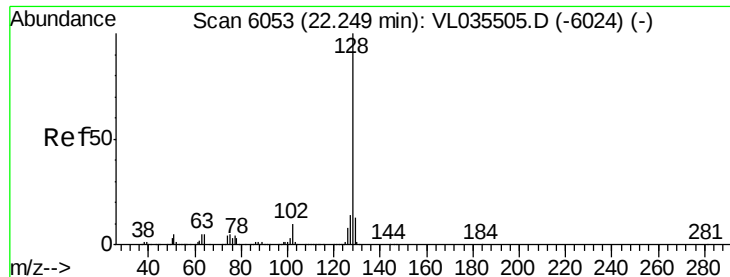
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.871 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.01 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	51.7	77.5
227	64.9	51.5	77.3





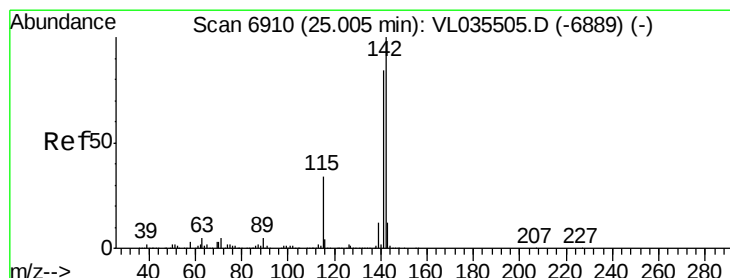
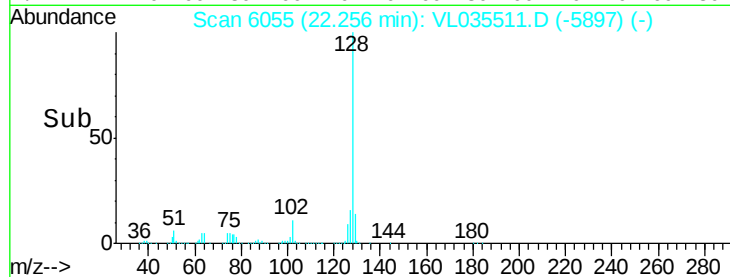
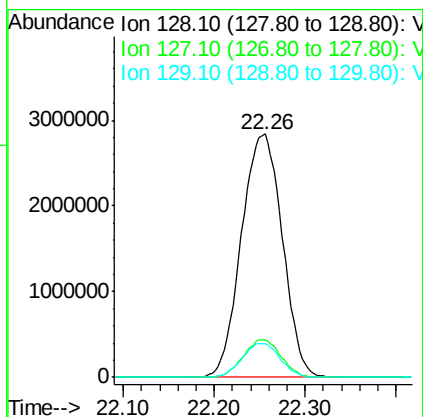
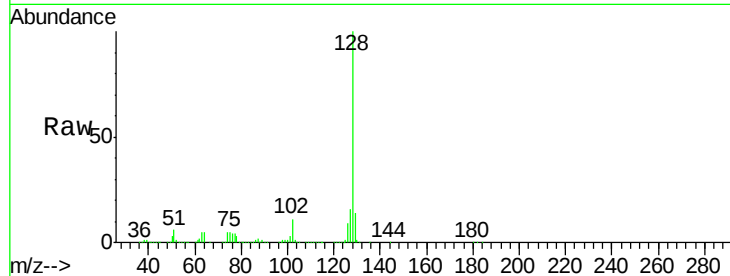
#79
Naphthalene
Concen: 12.771 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. 0.01 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.5	11.4	17.2
129	13.9	10.5	15.7

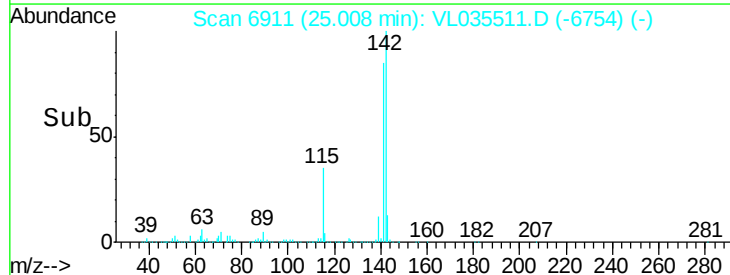
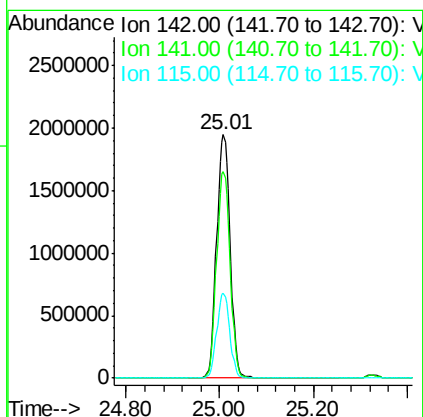
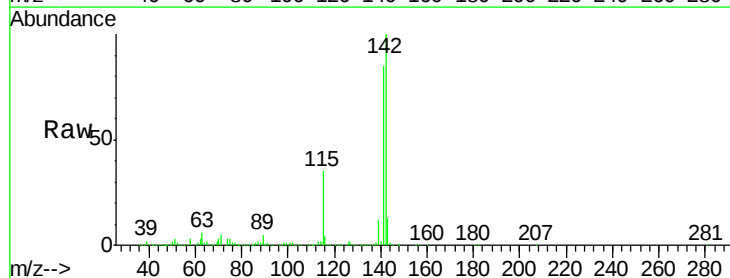
Manual Integrations
APPROVED

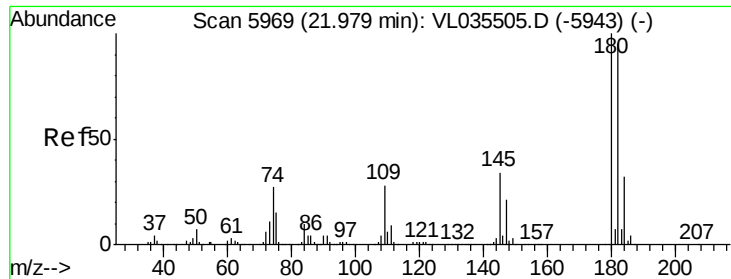
MMDadoda
8/28/2020 3:17:38 PM



#80
Naphthalene, 2-methyl-
Concen: 14.250 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.00 min
Lab File: VL035511.D
Acq: 27 Aug 2020 6:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.6	101.4
115	33.5	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 12.791 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. 0.00 min
 Lab File: VL035511.D
 Acq: 27 Aug 2020 6:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
184	32.4	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
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