

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035525.D
 Acq On : 27 Aug 2020 19:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:51 PM

Quant Time: Aug 28 03:04:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	997557	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	4292875	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	4593927m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3238175	9.93	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1568116	9.071	ppbv 98
3) Chlorodifluoromethane	3.00	51	1059571	9.604	ppbv 99
4) Chloromethane	3.15	50	568414	9.616	ppbv 100
5) Vinyl Chloride	3.27	62	672245	9.225	ppbv 100
6) Bromomethane	3.48	94	593711	9.700	ppbv 98
7) Chloroethane	3.57	64	253321	9.832	ppbv 97
8) Dichlorotetrafluoroethane	3.20	85	1982544	9.469	ppbv 99
9) Propene	3.02	41	411279	9.670	ppbv 100
10) Heptane	8.16	43	1159633	10.150	ppbv 99
11) Trichlorofluoromethane	3.96	101	2449096	9.714	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1846242	9.703	ppbv 100
13) Ethanol	3.62	45	100046	9.487	ppbv 97
14) Bromoethene	3.75	108	818452	9.993	ppbv 100
15) Acetone	3.86	43	896218	8.146	ppbv 99
16) 1,3-Butadiene	3.34	39	416042	10.158	ppbv 99
17) tert-Butyl alcohol	4.31	59	1294293	9.665	ppbv 99
18) 1,1-Dichloroethene	4.30	96	845560	10.091	ppbv 99
19) Isopropyl Alcohol	3.98	45	664746	10.128	ppbv # 98
20) Methylene Chloride	4.36	84	726587	8.867	ppbv 98
21) Allyl Chloride	4.43	41	530677	10.295	ppbv 97
22) trans-1,2-Dichloroethene	4.91	96	894158	10.024	ppbv 99
23) Vinyl Acetate	5.10	43	1420247	10.058	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1434900	9.874	ppbv 99
25) Ethyl Acetate	5.70	43	1883869	9.692	ppbv 99
26) Hexane	5.71	57	1092324	9.919	ppbv 98
27) Carbon Disulfide	4.57	76	1784177	11.290	ppbv 100
28) Methyl tert-Butyl Ether	5.06	73	1884481	9.818	ppbv 100
29) Chloroform	5.78	83	2206289	9.833	ppbv 99
30) Cyclohexane	7.16	84	1224390	10.378	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1154306	10.216	ppbv 99
32) 1,1,1-Trichloroethane	6.54	97	2171741	9.977	ppbv 99
34) 2-Butanone	5.27	43	1291746	10.139	ppbv 99
35) Carbon Tetrachloride	7.05	117	2326862	10.785	ppbv 99
36) Benzene	6.92	78	2807759	10.104	ppbv 99
37) 1,2-Dichloroethane	6.34	62	1350020	10.190	ppbv 99
38) Trichloroethene	7.87	130	1514984	9.386	ppbv 97
39) 1,2-Dichloropropane	7.65	63	946205	10.080	ppbv 99
40) 1,4-Dioxane	7.86	88	491665	10.485	ppbv 88
41) Tetrahydrofuran	6.08	42	738282	10.928	ppbv 99
42) Bromodichloromethane	7.83	83	2320273	10.830	ppbv 99
43) Methyl Methacrylate	8.05	69	1168548	10.875	ppbv 99

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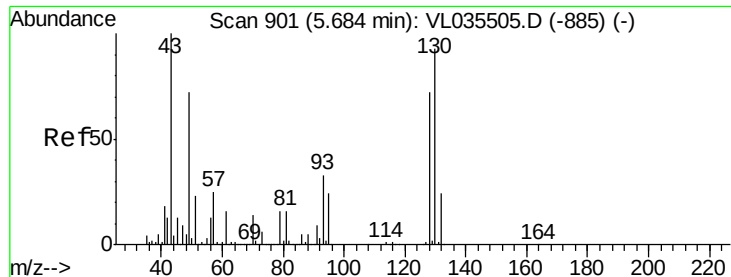
Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:51 PM

Quant Time: Aug 28 03:04:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 28 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3683574	10.075	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1287702	11.830	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1557786	11.526	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	1396983	10.085	ppbv	98
48) Dibromochloromethane	10.35	129	2463866	11.302	ppbv	100
49) Bromoform	13.09	173	2322788	11.757	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	1966631	10.661	ppbv	100
51) 2-Hexanone	10.18	43	1687964	11.154	ppbv #	99
52) Tetrachloroethene	11.27	164	1514835	9.331	ppbv	99
53) Toluene	9.85	91	3619446	10.358	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2230147	10.189	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1916826	10.254	ppbv	98
57) Chlorobenzene	12.19	112	3140538	9.289	ppbv	99
58) Ethyl Benzene	12.76	91	4749372	10.026	ppbv	100
59) m/p-Xylene	13.05	91	7760148m	19.604	ppbv	
60) o-Xylene	13.74	91	3962878	9.940	ppbv	99
61) Styrene	13.58	104	3199835	10.494	ppbv	99
62) Isopropylbenzene	14.72	105	6115621	9.549	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	2845395	9.206	ppbv	99
64) n-propylbenzene	15.62	120	1929698	9.874	ppbv	94
65) tert-Butylbenzene	16.80	119	5851717	9.829	ppbv	99
66) Benzyl Chloride	17.04	91	1835756	12.408	ppbv	97
67) sec-Butylbenzene	17.35	105	7675357	9.677	ppbv	98
69) p-Isopropyltoluene	17.71	119	6730909	9.675	ppbv	99
70) n-Butylbenzene	18.61	91	6537473	9.755	ppbv	99
71) 2-Chlorotoluene	15.51	91	4633989	9.936	ppbv	98
72) 4-Ethyltoluene	15.89	105	5079613	10.022	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	4719975	10.068	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	4955551	9.626	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	3547458	9.303	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	3578995	9.516	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	3466954	9.384	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	2271405	9.630	ppbv	100
79) Naphthalene	22.27	128	5965463	10.443	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	2307691	11.836	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	3403738	9.950	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

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VSTDCCC010EC

Tot Ion: 49 Resp: 997557

Ion Ratio Lower Upper

49 100

128 98.3 50.0 150.1

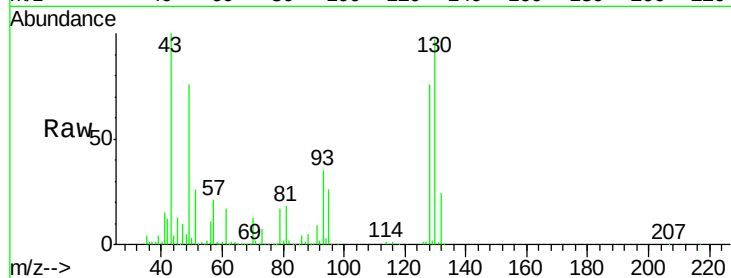
130 126.1 64.4 193.2

Manual Integrations

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

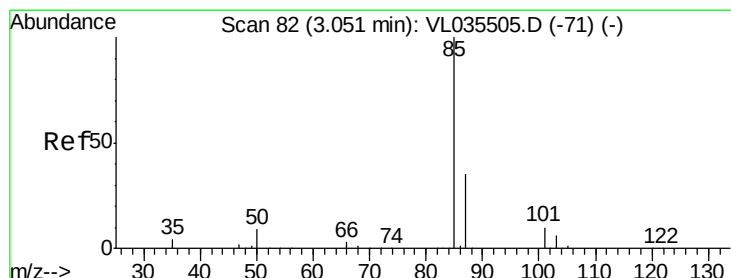
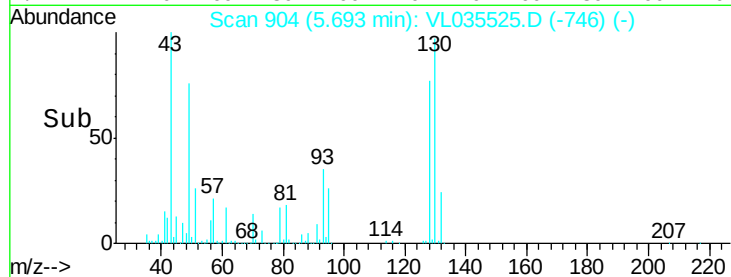
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 9.071 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL035525.D

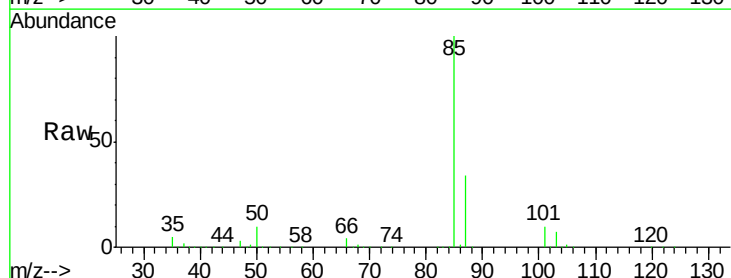
Acq: 27 Aug 2020 19:01

Tgt Ion: 85 Resp: 1568116

Ion Ratio Lower Upper

85 100

87 34.1 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

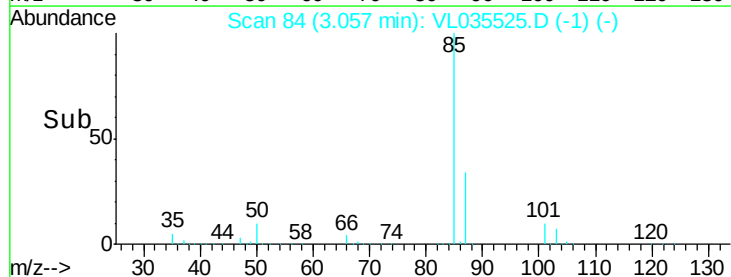
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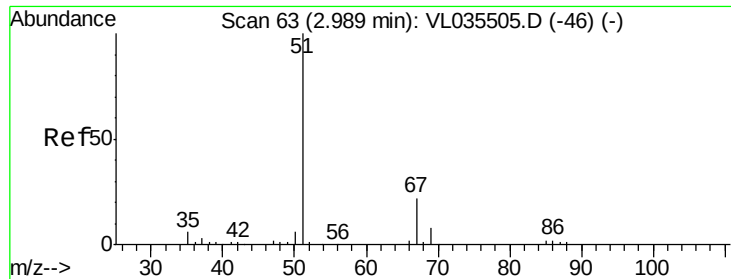
500000

0

3.00 3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 9.604 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Tot Ion: 51 Resp: 1059571

Ion Ratio Lower Upper

51 100

67 22.6 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

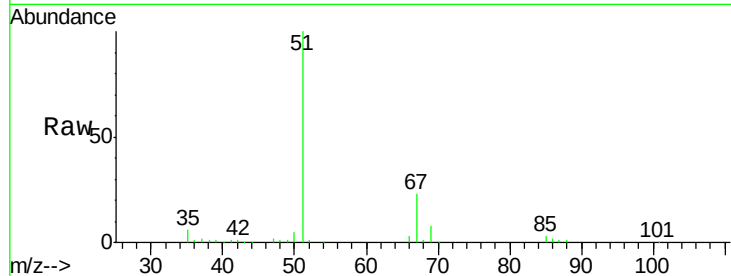
VSTDCCC010EC

Manual Integrations

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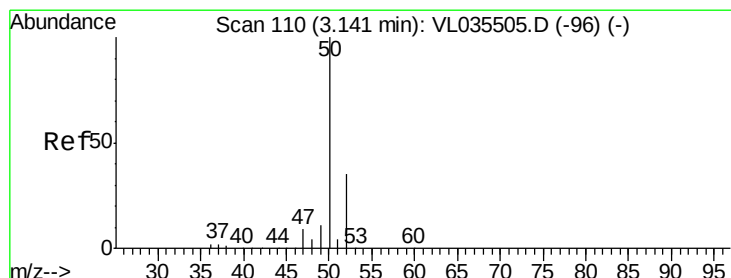
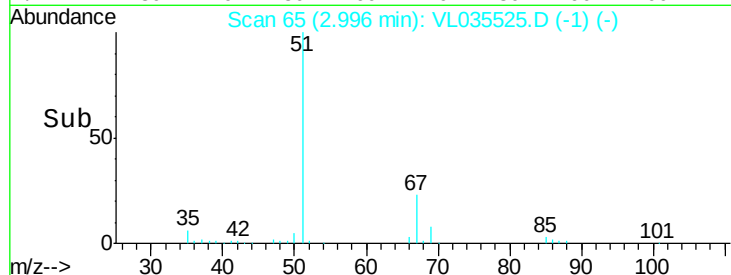
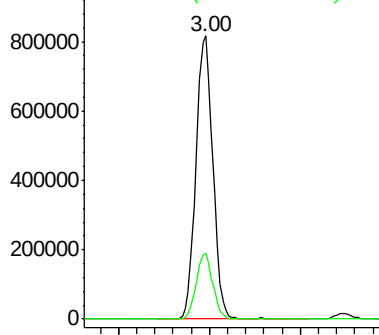
MMDadoda

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.616 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL035525.D

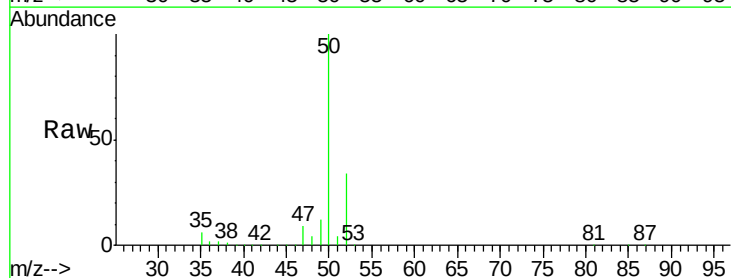
Acq: 27 Aug 2020 19:01

Tgt Ion: 50 Resp: 568414

Ion Ratio Lower Upper

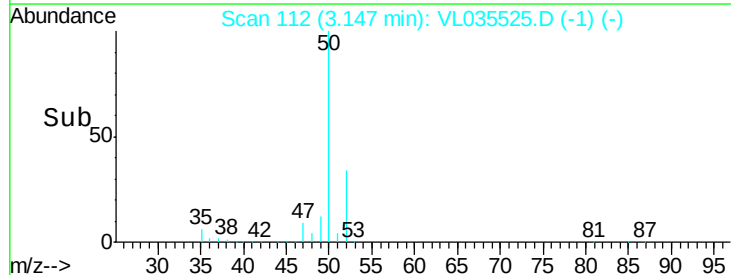
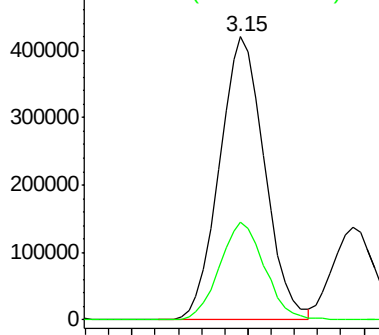
50 100

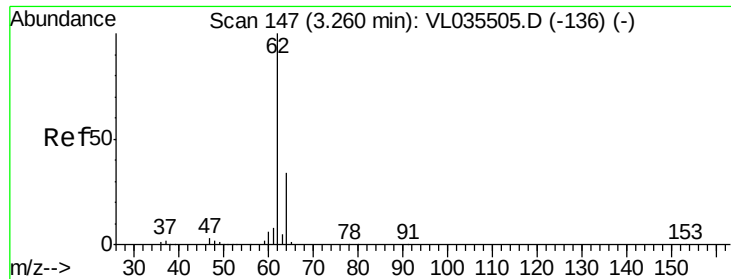
52 34.4 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.225 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 672245

Ion Ratio Lower Upper

62 100

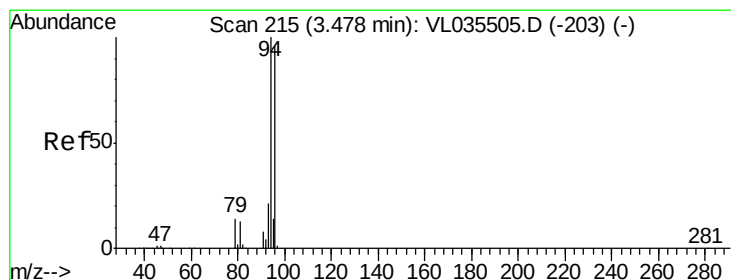
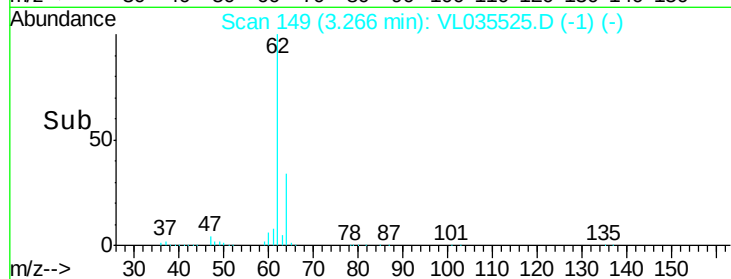
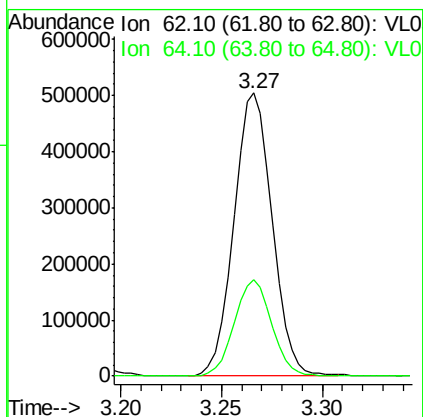
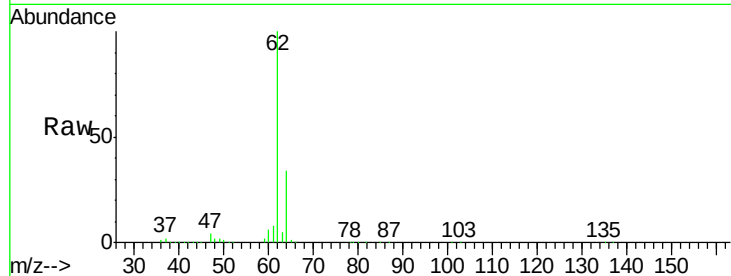
64 34.2 27.4 41.2

Manual Integrations

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#6

Bromomethane

Concen: 9.700 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL035525.D

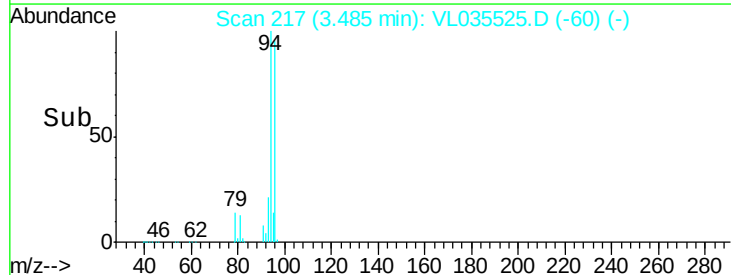
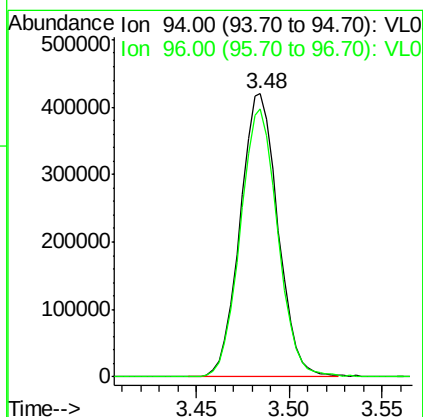
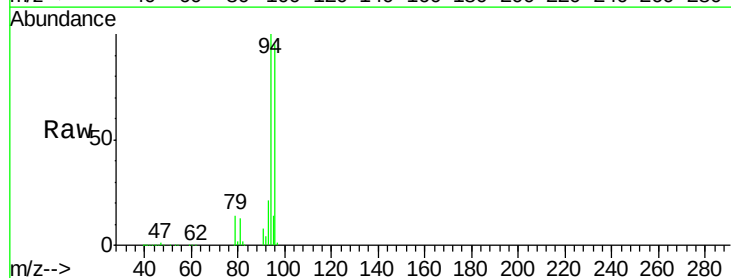
Acq: 27 Aug 2020 19:01

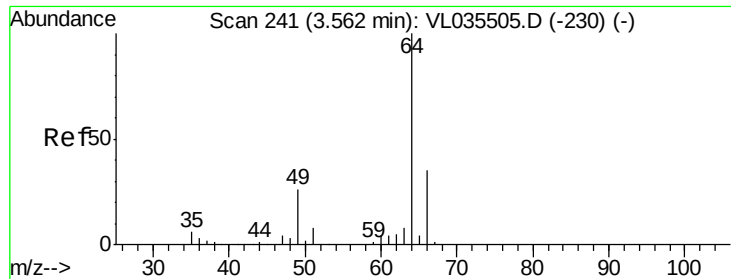
Tgt Ion: 94 Resp: 593711

Ion Ratio Lower Upper

94 100

96 94.6 77.1 115.7





#7

Chloroethane

Concen: 9.832 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 253321

Ion Ratio Lower Upper

64 100

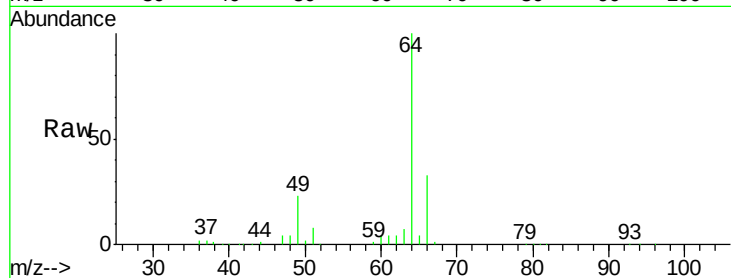
66 32.7 27.7 41.5

Manual Integrations

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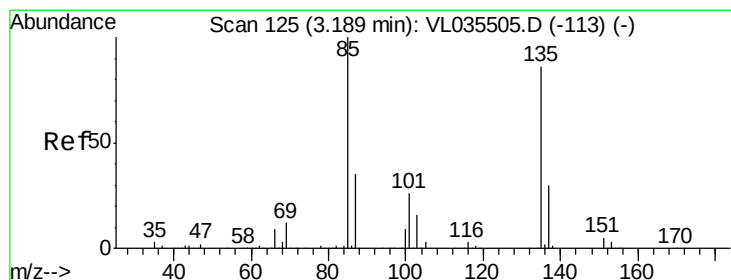
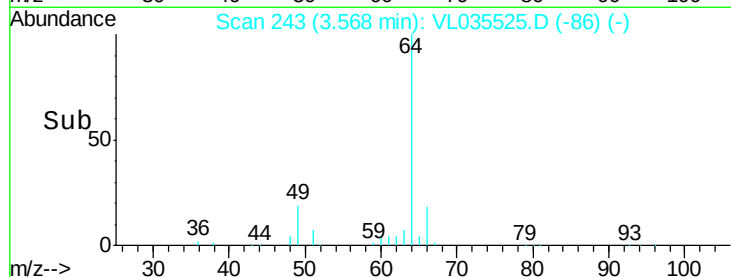
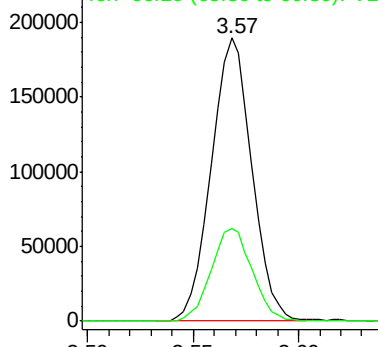
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.469 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL035525.D

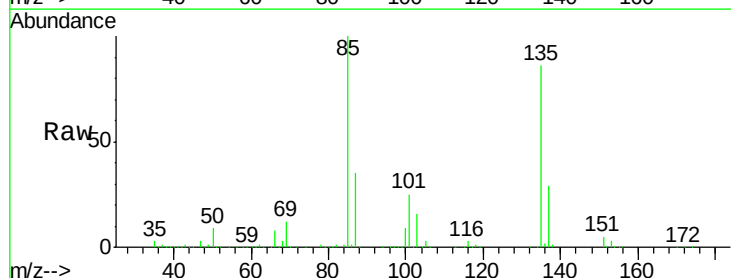
Acq: 27 Aug 2020 19:01

Tgt Ion: 85 Resp: 1982544

Ion Ratio Lower Upper

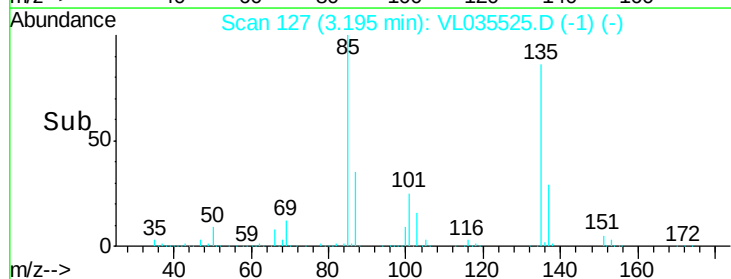
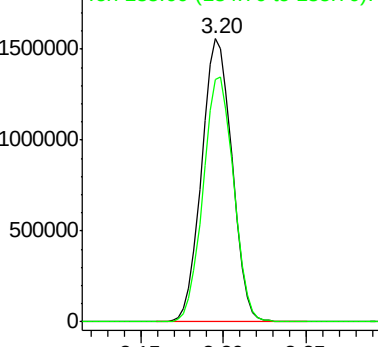
85 100

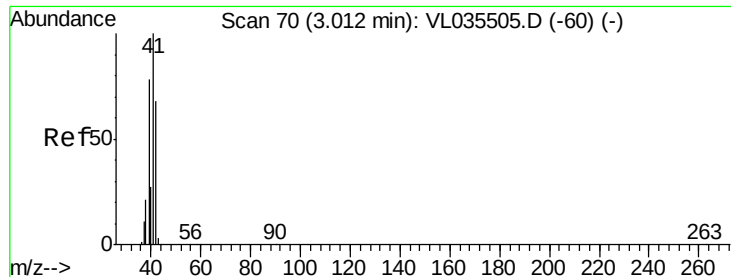
135 87.2 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.670 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

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Acq: 27 Aug 2020 19:01

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Tot Ion: 41 Resp: 411279

Ion Ratio Lower Upper

41 100

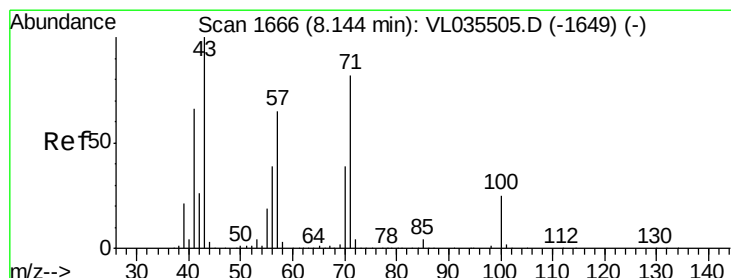
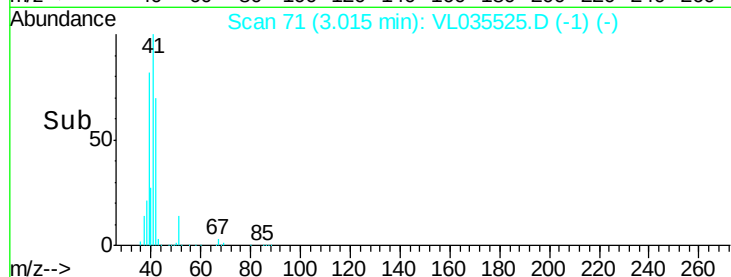
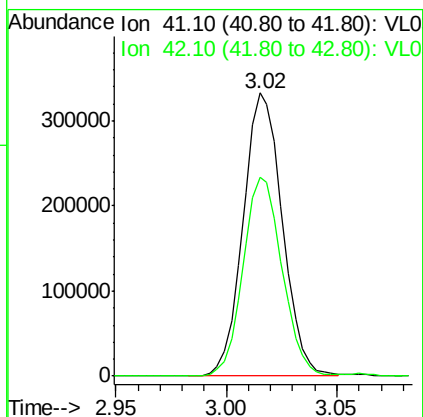
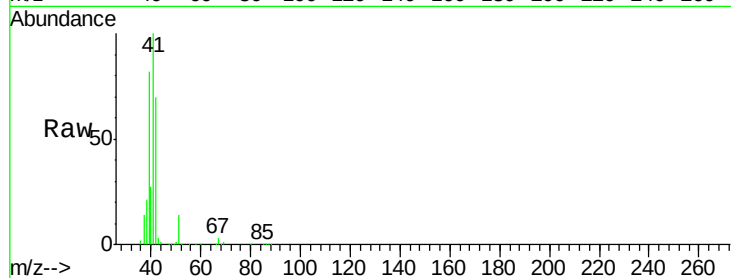
42 70.5 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 10.150 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.02 min

Lab File: VL035525.D

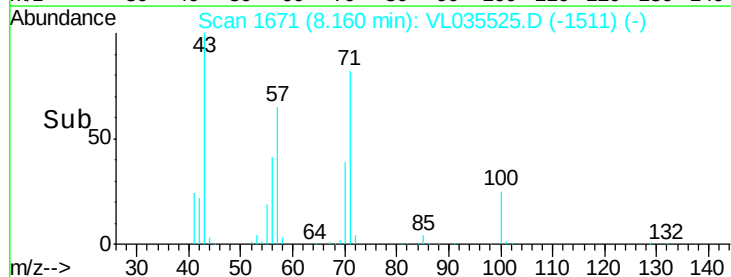
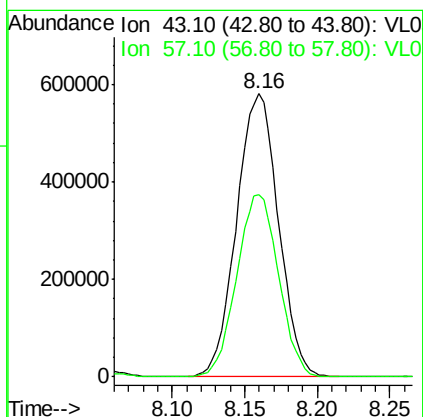
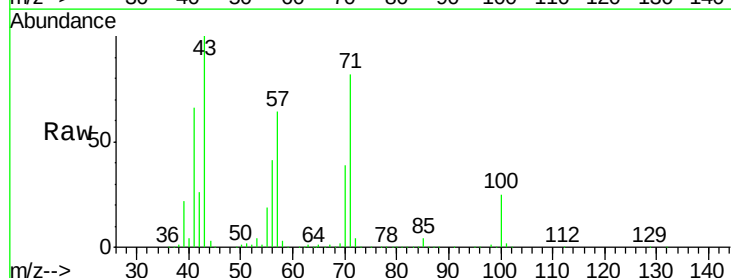
Acq: 27 Aug 2020 19:01

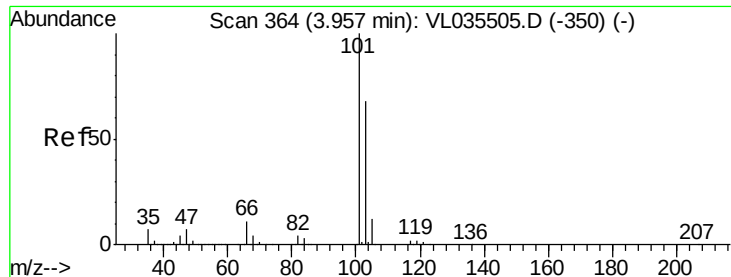
Tgt Ion: 43 Resp: 1159633

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.714 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

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Tot Ion:101 Resp: 2449096

Ion Ratio Lower Upper

101 100

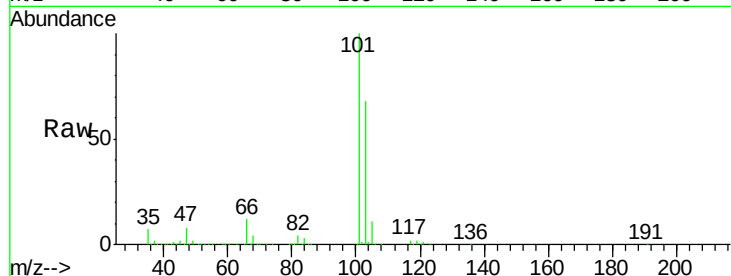
103 68.3 54.5 81.7

Manual Integrations

APPROVED

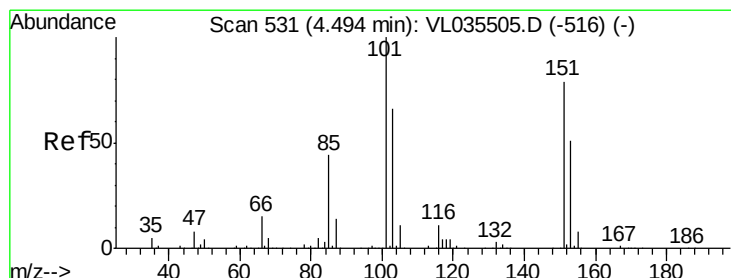
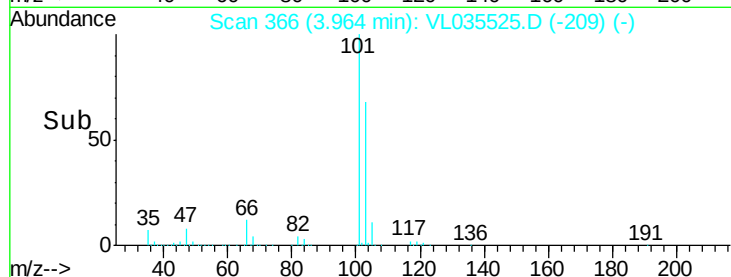
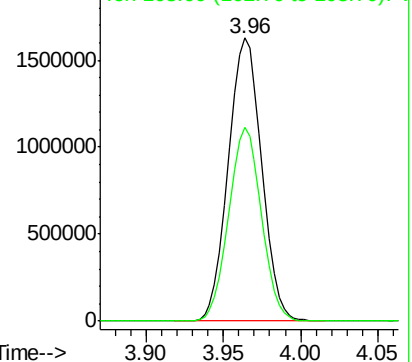
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.703 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.01 min

Lab File: VL035525.D

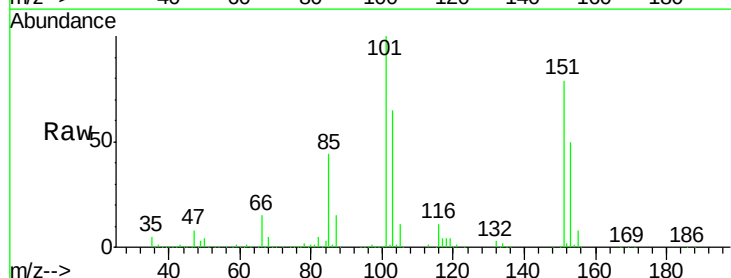
Acq: 27 Aug 2020 19:01

Tgt Ion:101 Resp: 1846242

Ion Ratio Lower Upper

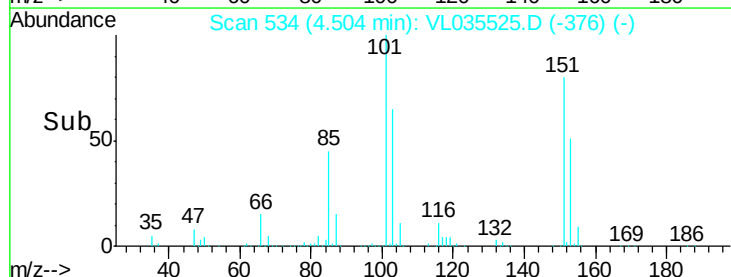
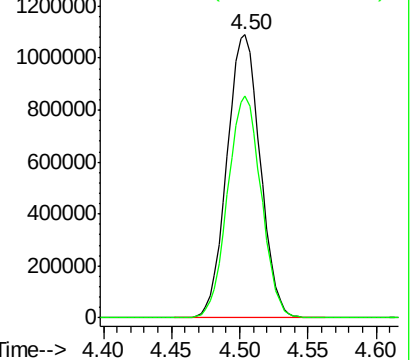
101 100

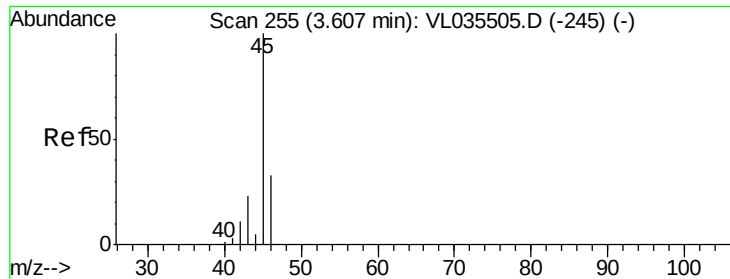
151 79.1 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





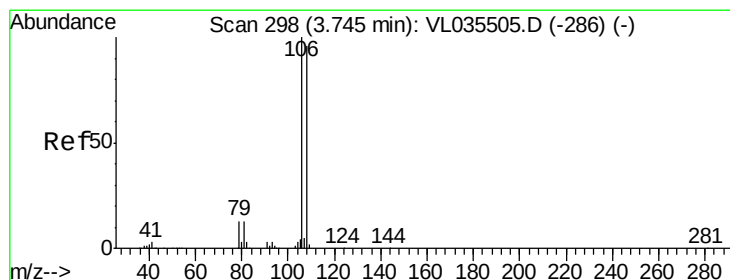
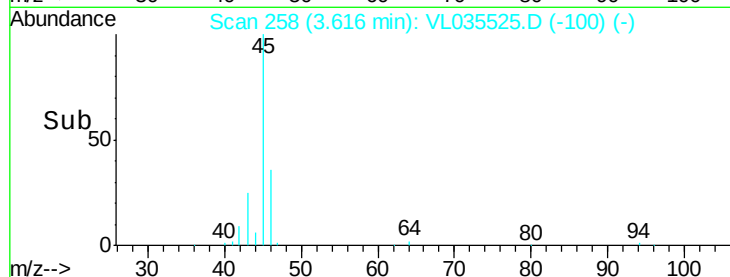
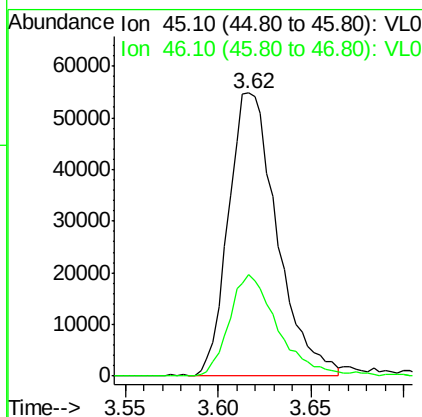
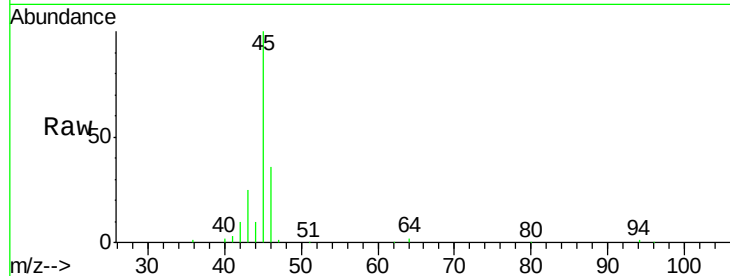
#13
Ethanol
Concen: 9.487 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.2	15.2	60.6

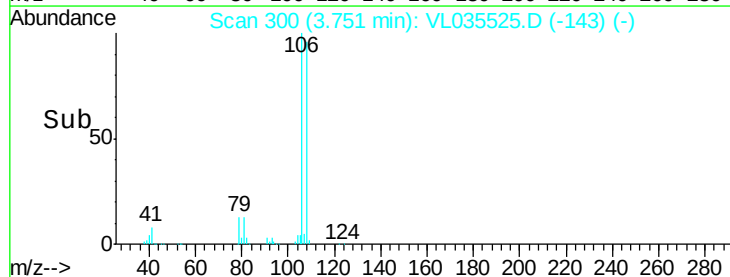
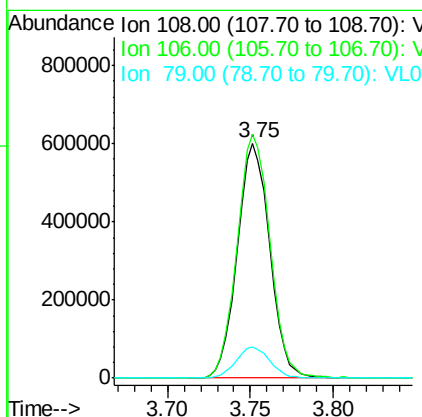
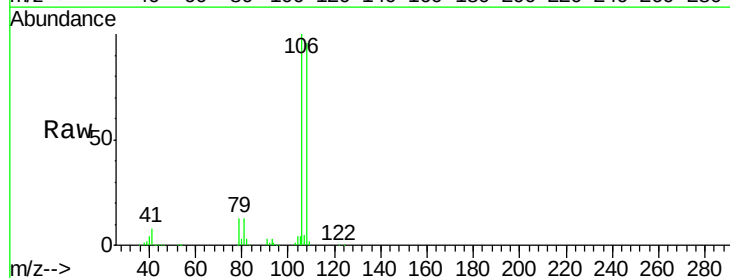
Manual Integrations
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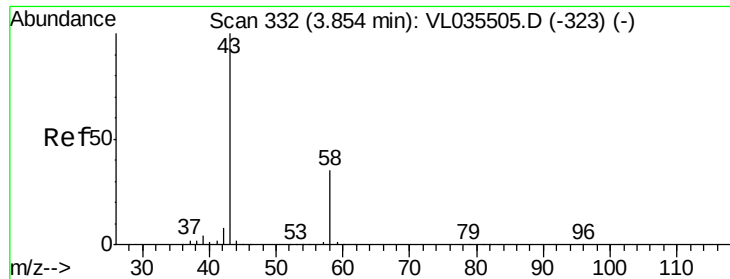
MMDadoda
8/28/2020 3:17:51 PM



#14
Bromoethene
Concen: 9.993 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.9	84.9	127.3
79	14.0	10.8	16.2





#15

Acetone

Concen: 8.146 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 896218

Ion Ratio Lower Upper

43 100

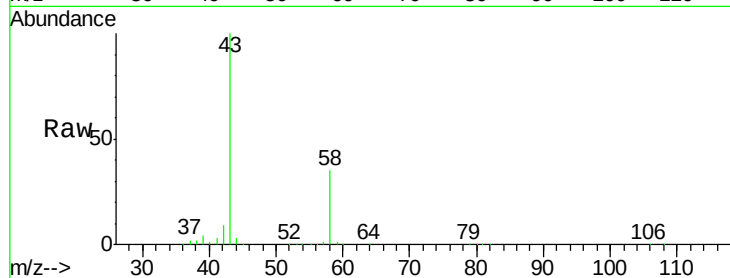
58 34.9 28.4 42.6

Manual Integrations

APPROVED

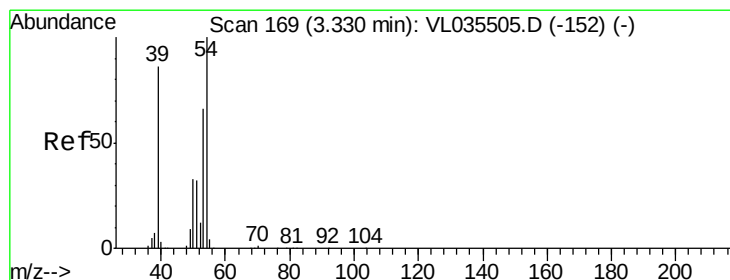
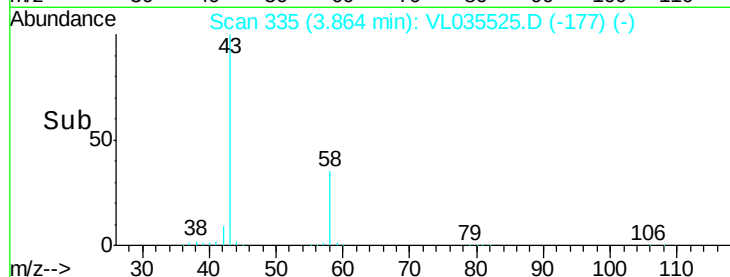
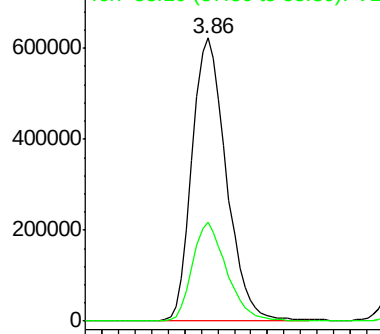
MMDadoda

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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: 10.158 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL035525.D

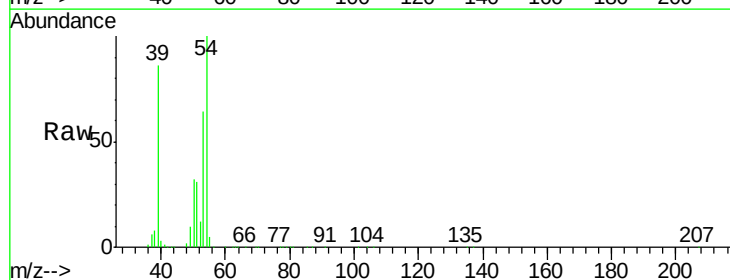
Acq: 27 Aug 2020 19:01

Tgt Ion: 39 Resp: 416042

Ion Ratio Lower Upper

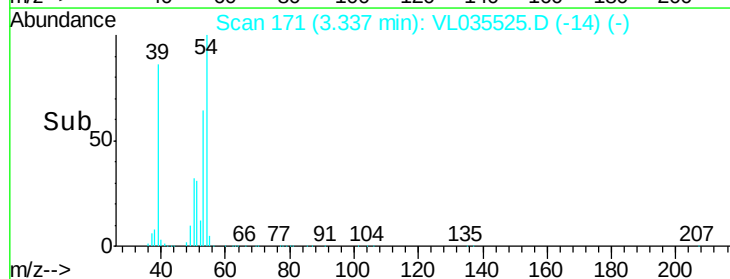
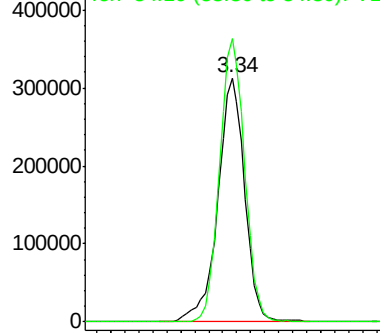
39 100

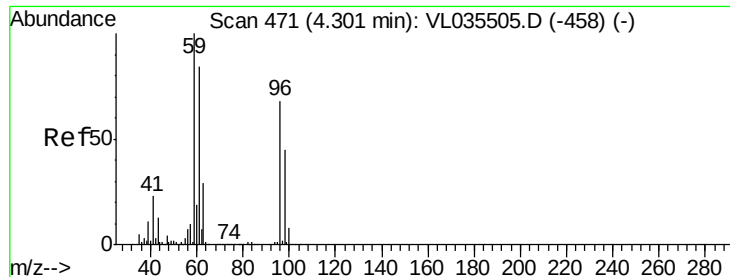
54 109.3 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

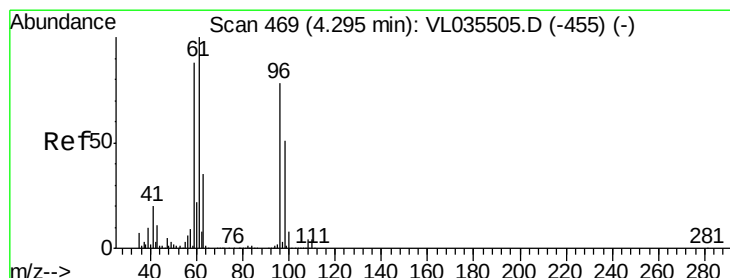
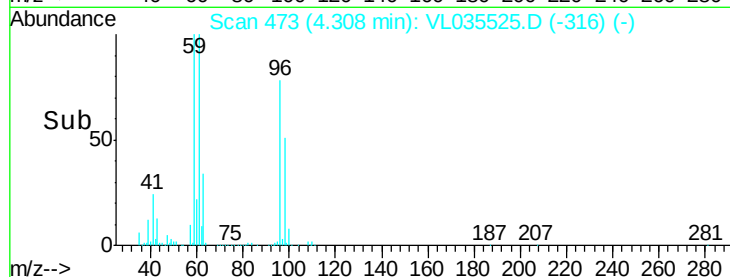
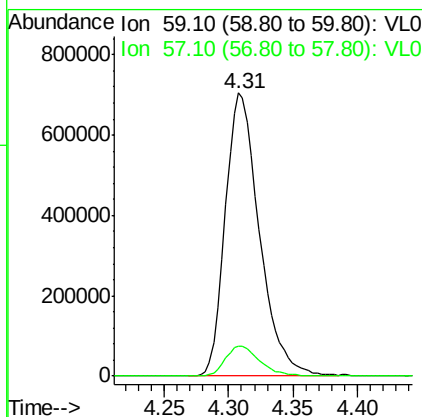
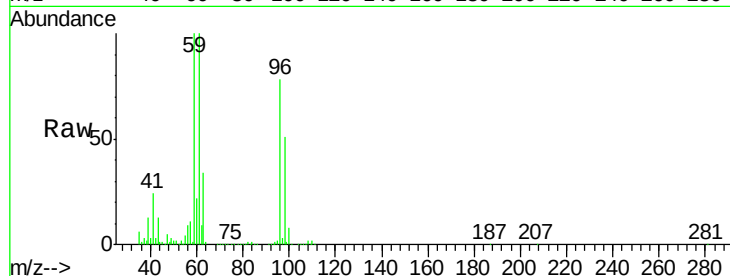
tert-Butyl alcohol
Concen: 9.665 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1294293
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

Manual Integrations
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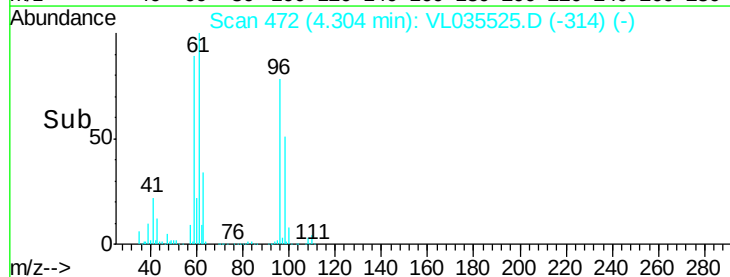
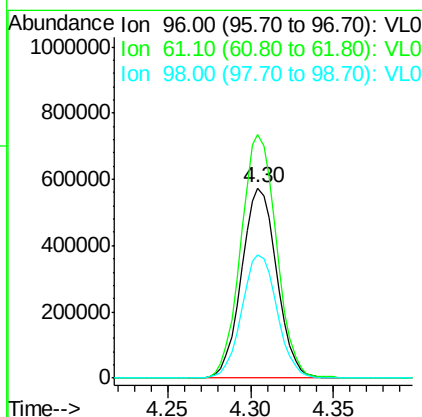
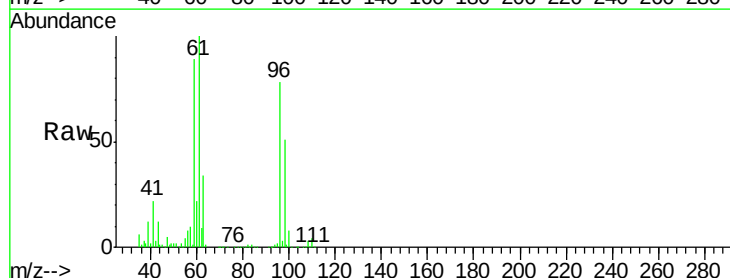
MMDadoda
8/28/2020 3:17:51 PM

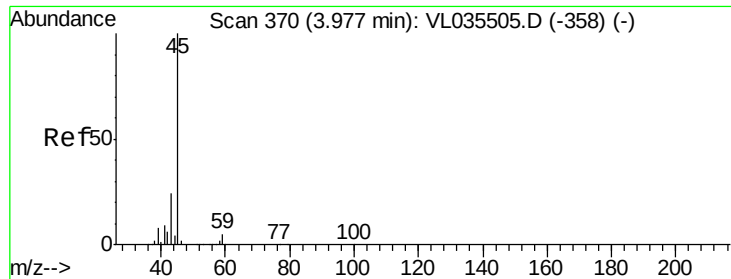


#18

1,1-Dichloroethene
Concen: 10.091 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 96 Resp: 845560
Ion Ratio Lower Upper
96 100
61 128.0 103.0 154.6
98 64.9 52.8 79.2





#19

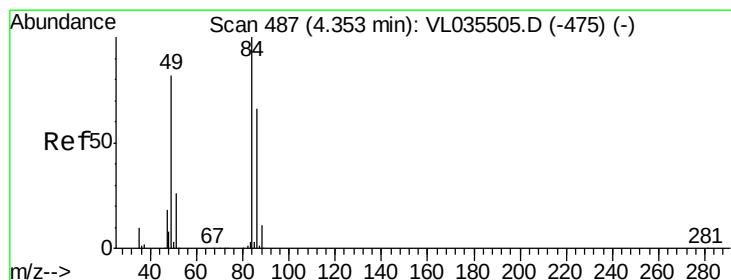
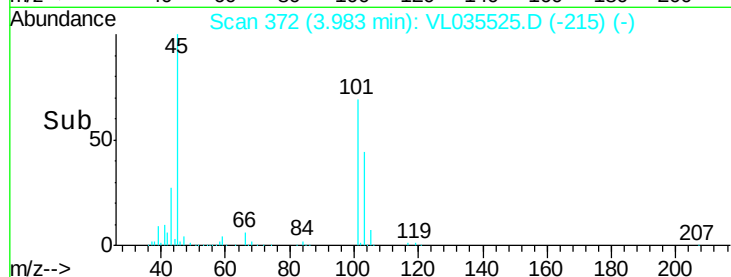
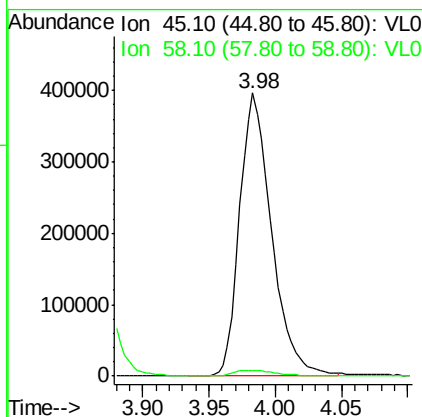
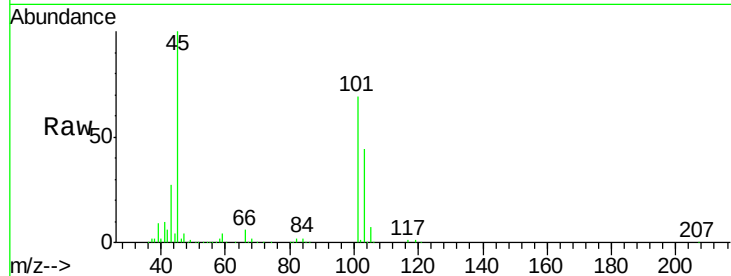
Isopropyl Alcohol
 Concen: 10.128 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 664746
 Ion Ratio Lower Upper
 45 100
 58 3.2 2.0 3.0#

Manual Integrations
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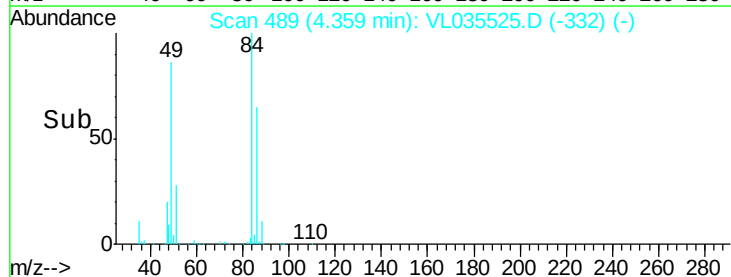
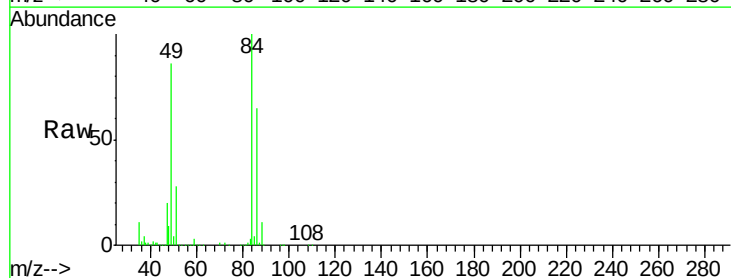
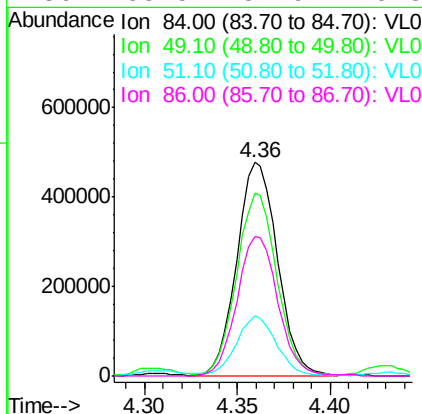
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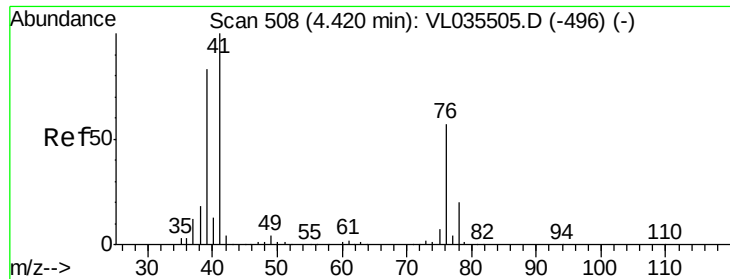


#20

Methylene Chloride
 Concen: 8.867 ppbv
 RT: 4.36 min Scan# 489
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 84 Resp: 726587
 Ion Ratio Lower Upper
 84 100
 49 84.9 65.4 98.0
 51 27.7 21.5 32.3
 86 65.5 52.9 79.3





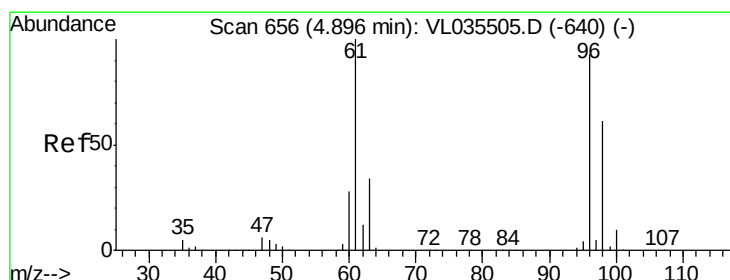
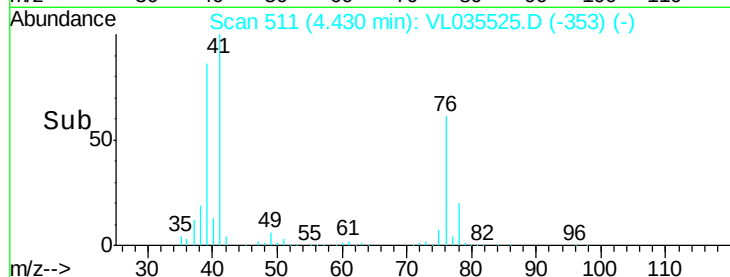
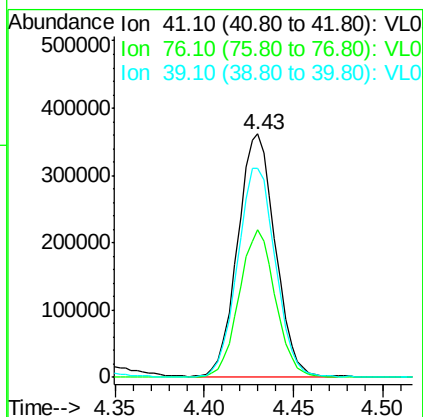
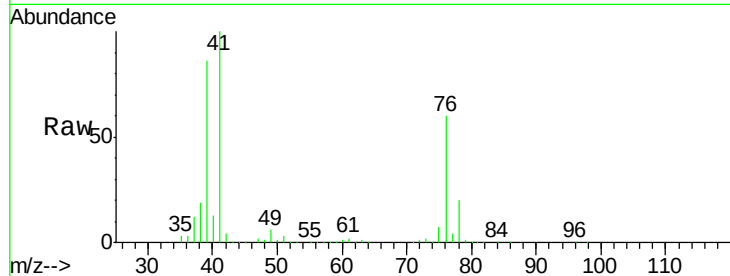
#21
Allvl Chloride
Concen: 10.295 ppbv
RT: 4.43 min Scan# 511
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.9	46.2	69.2
39	87.7	67.8	101.6

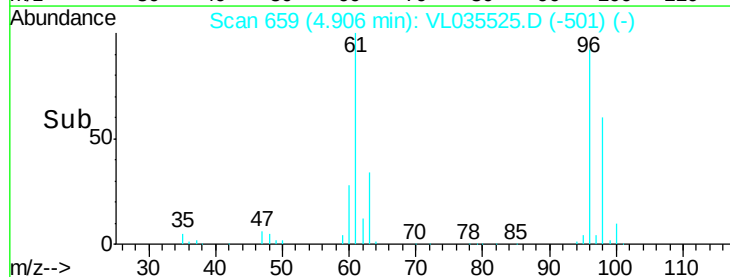
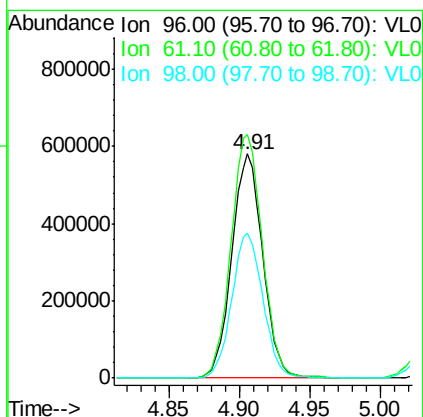
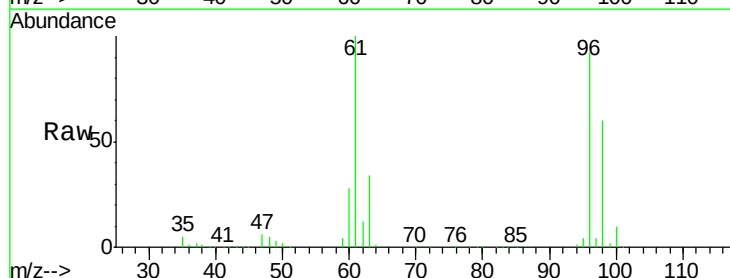
Manual Integrations
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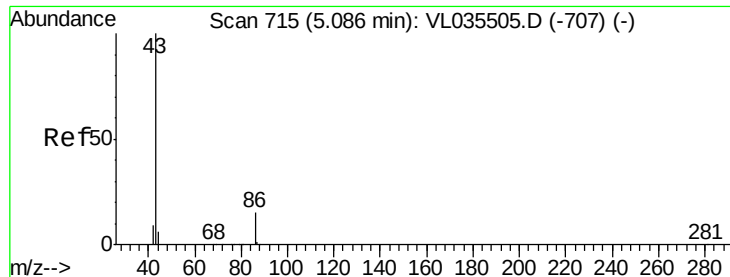
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#22
trans-1,2-Dichloroethene
Concen: 10.024 ppbv
RT: 4.91 min Scan# 659
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	108.7	86.0	129.0
98	64.8	52.3	78.5





#23

Vinyl Acetate

Concen: 10.058 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1420247

Ion Ratio Lower Upper

43 100

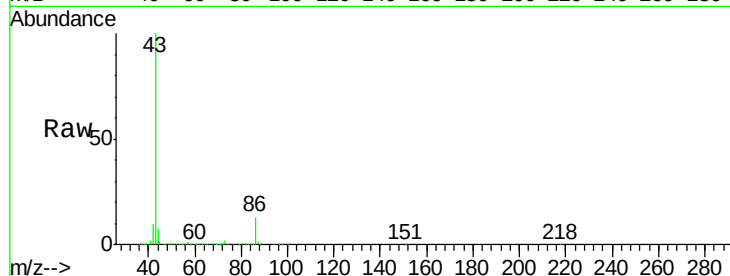
86 13.3 10.6 16.0

42 10.0 7.5 11.3

44 6.3 4.4 6.6

Manual Integrations
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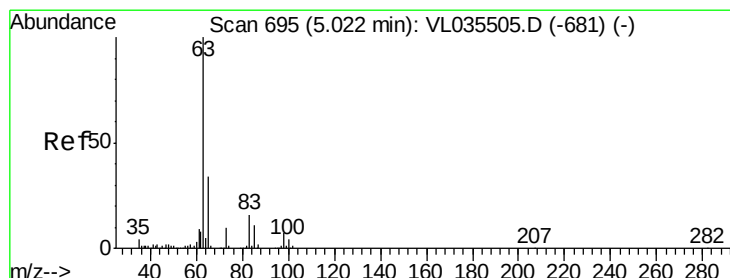
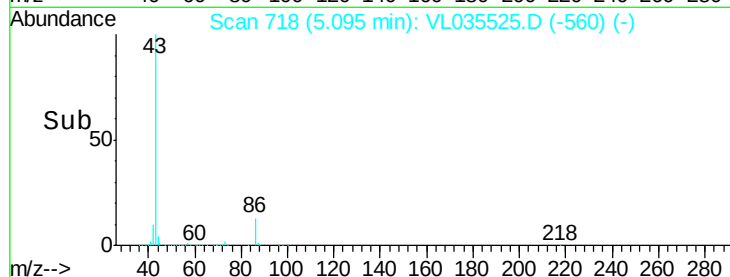
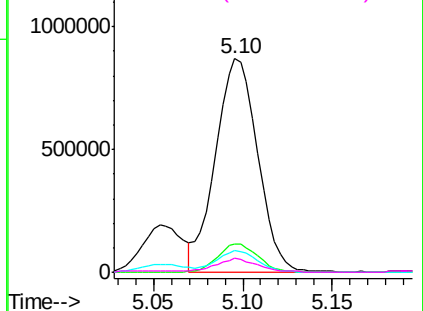


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.874 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

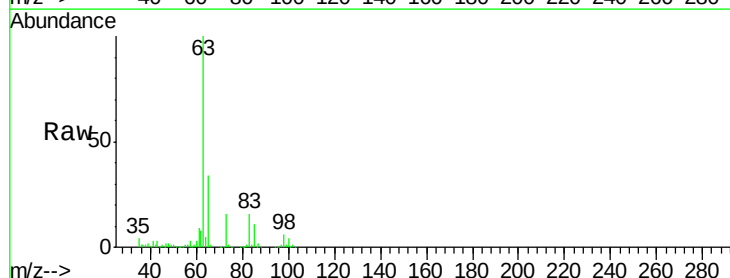
Tgt Ion: 63 Resp: 1434900

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

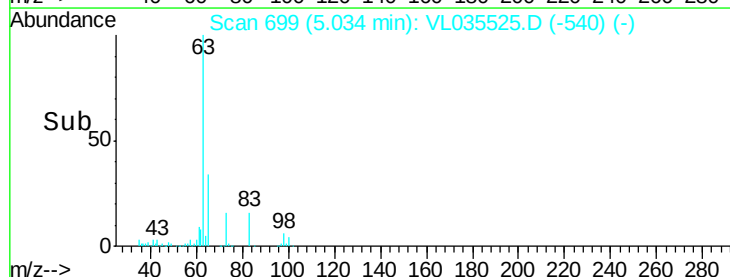
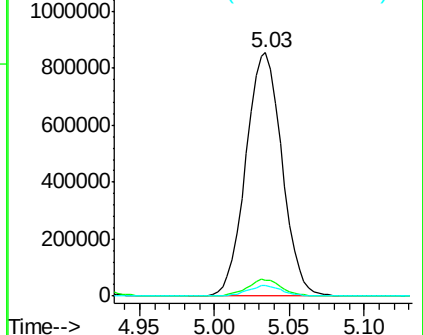
100 4.2 2.1 6.5

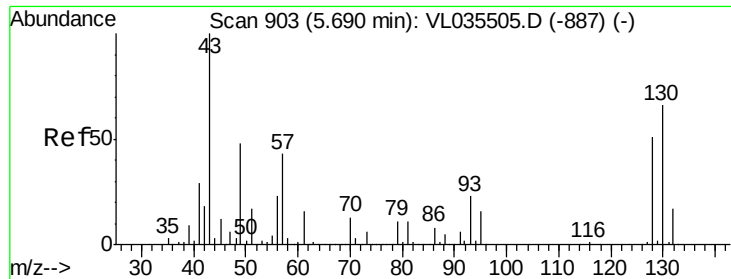


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





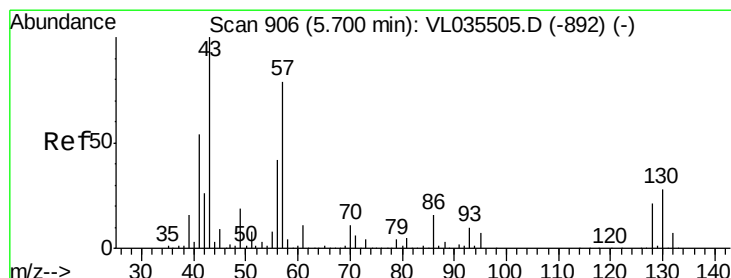
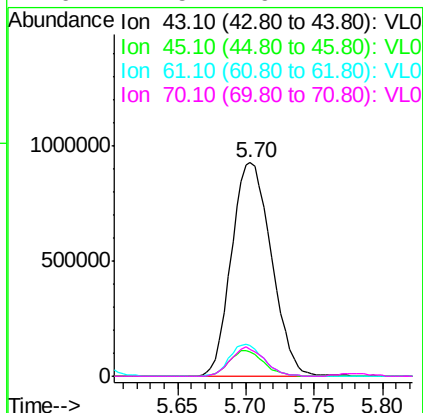
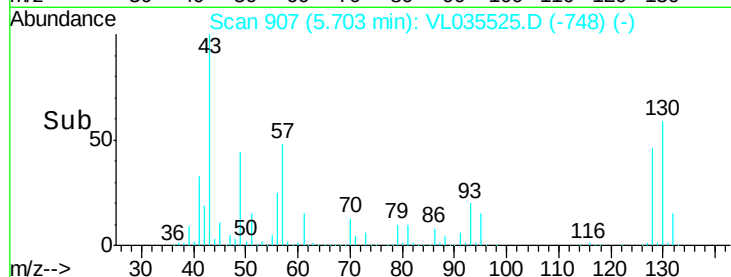
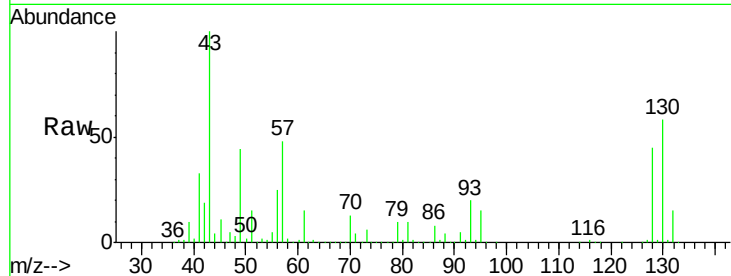
#25
Ethyl Acetate
Concen: 9.692 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.5	8.4	12.6	
61	13.0	10.6	16.0	
70	11.5	9.4	14.2	

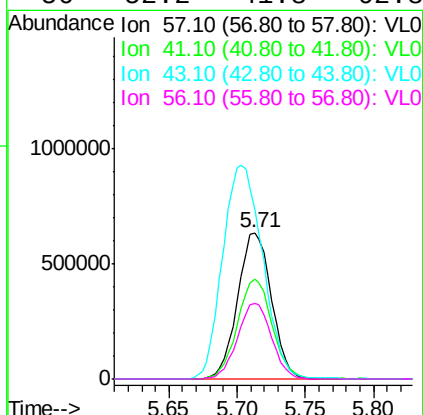
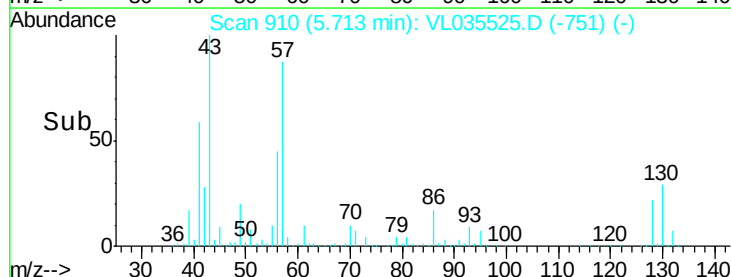
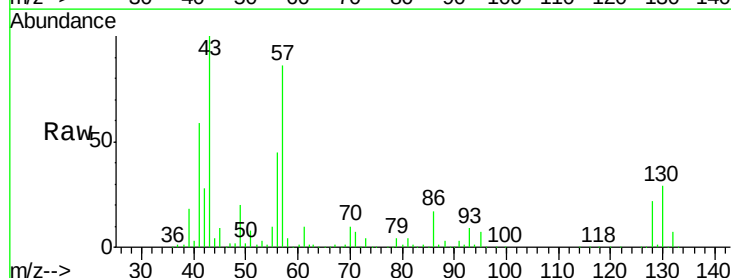
Manual Integrations
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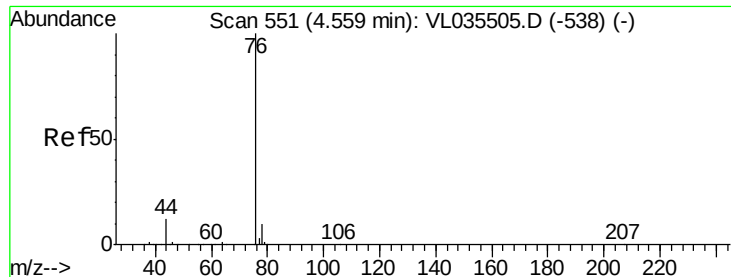
MMDadoda
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#26
Hexane
Concen: 9.919 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	71.2	55.9	83.9	
43	173.1	141.8	212.8	
56	52.2	41.8	62.8	





#27

Carbon Disulfide

Concen: 11.290 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1784177

Ion Ratio Lower Upper

76 100

44 11.5 9.3 13.9

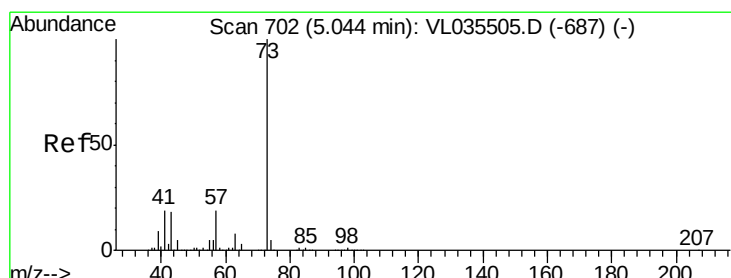
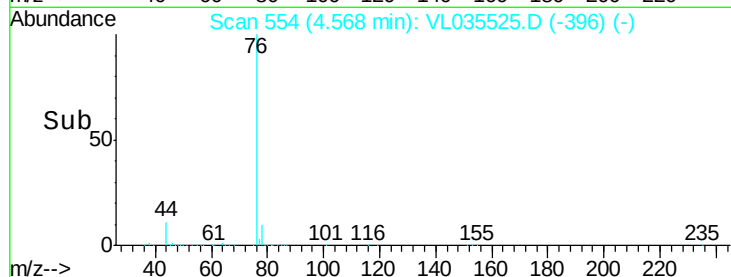
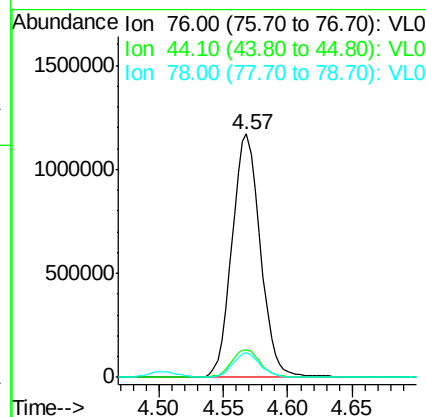
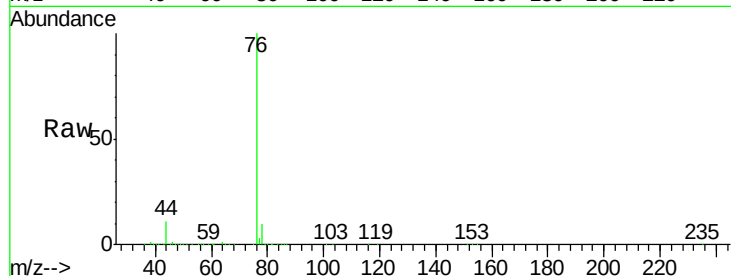
78 9.6 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.818 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.01 min

Lab File: VL035525.D

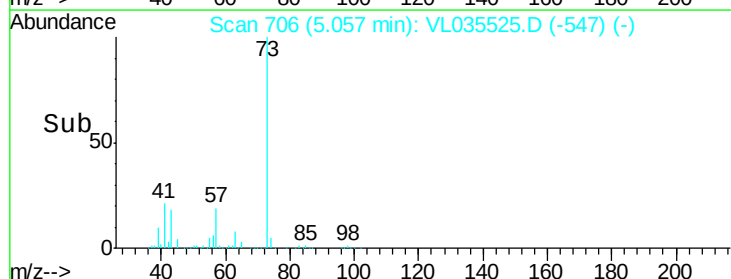
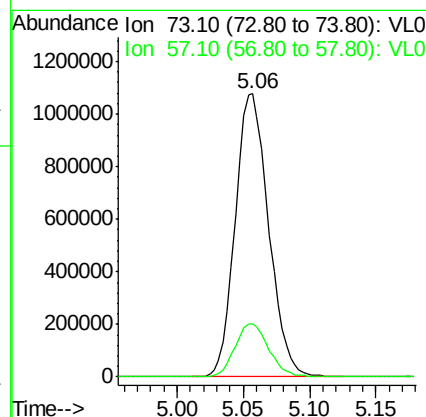
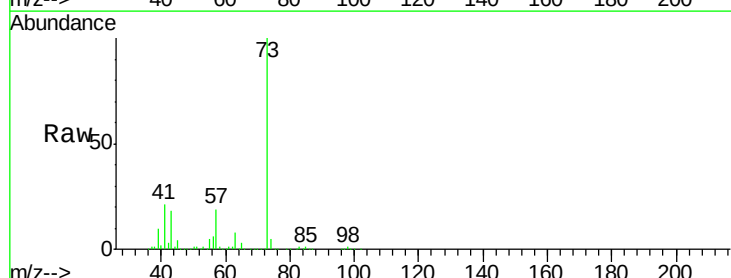
Acq: 27 Aug 2020 19:01

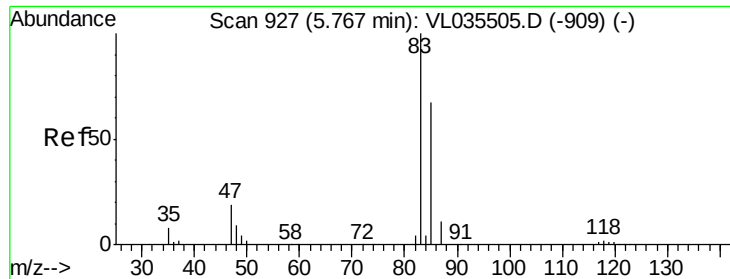
Tgt Ion: 73 Resp: 1884481

Ion Ratio Lower Upper

73 100

57 19.0 15.2 22.8





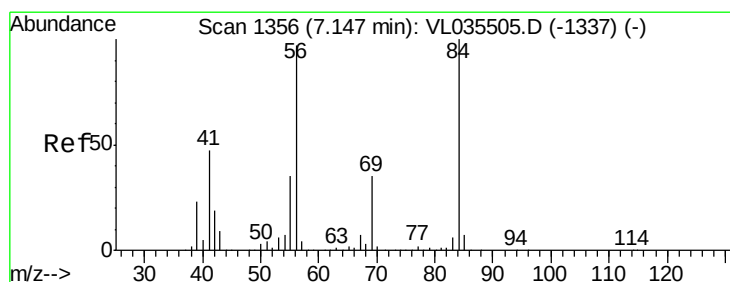
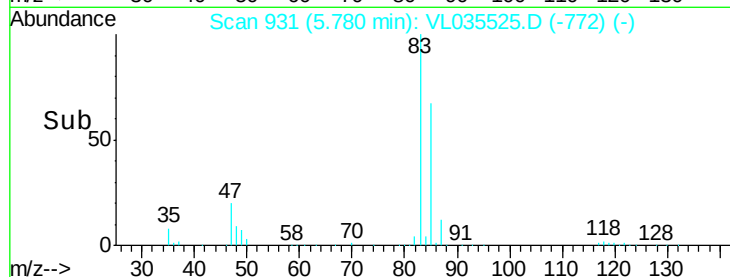
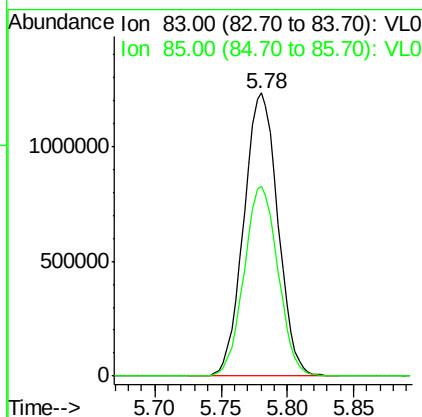
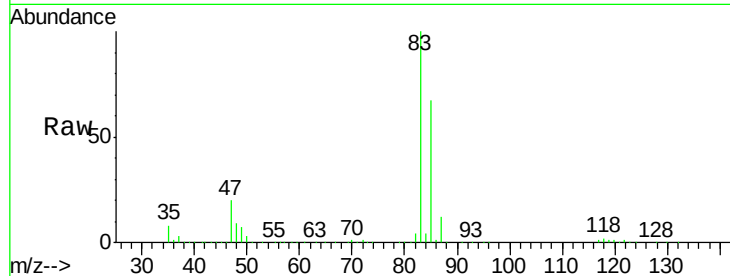
#29
Chloroform
Concen: 9.833 ppbv
RT: 5.78 min Scan# 931
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2206289
Ion Ratio Lower Upper
83 100
85 66.9 53.9 80.9

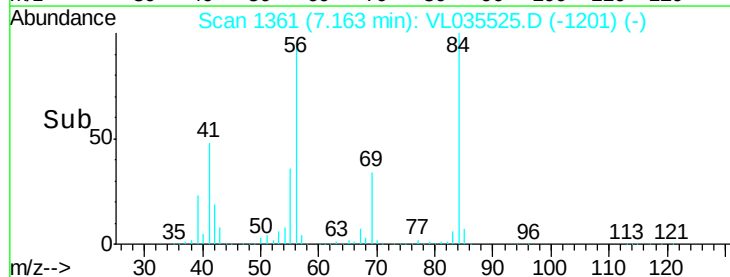
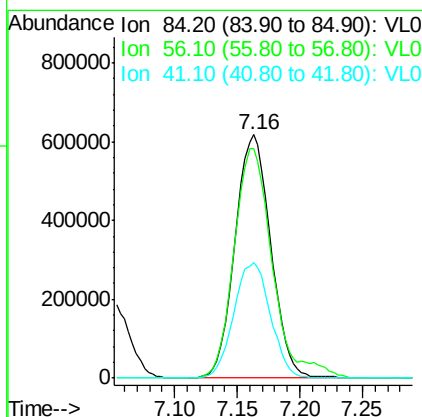
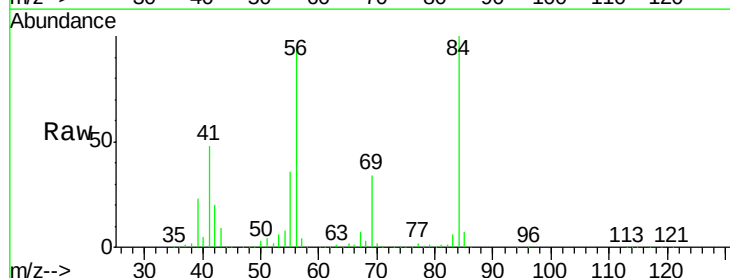
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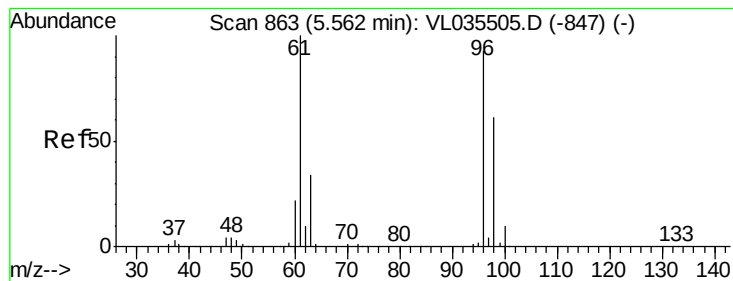
MMDadoda
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#30
Cyclohexane
Concen: 10.378 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 84 Resp: 1224390
Ion Ratio Lower Upper
84 100
56 101.5 80.1 120.1
41 48.7 38.1 57.1





#31

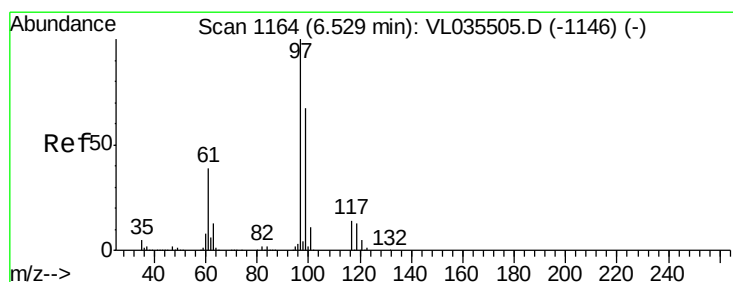
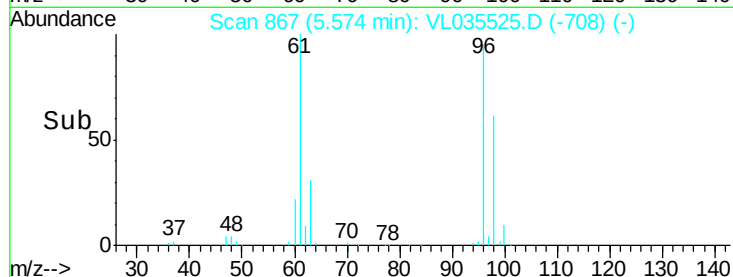
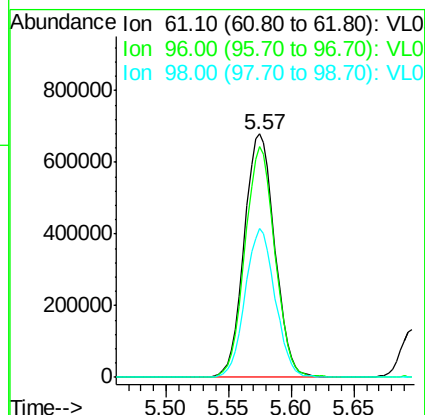
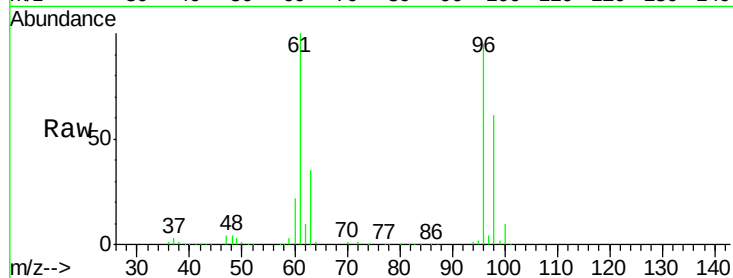
cis-1,2-Dichloroethene
Concen: 10.216 ppbv
RT: 5.57 min Scan# 867
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 61 Resp: 1154306
Ion Ratio Lower Upper
61 100
96 94.5 74.4 111.6
98 61.1 49.2 73.8

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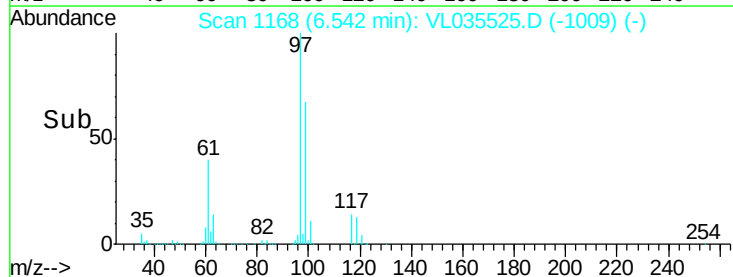
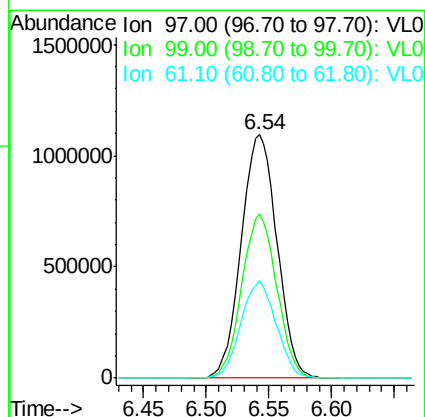
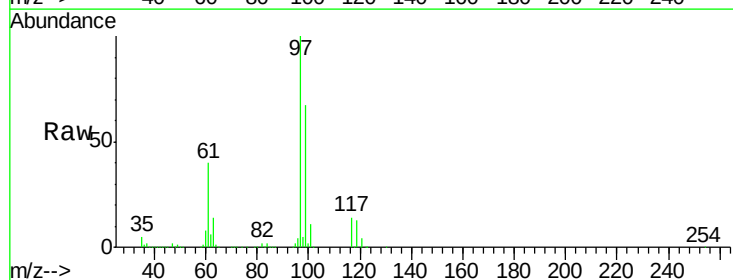
MMDadoda
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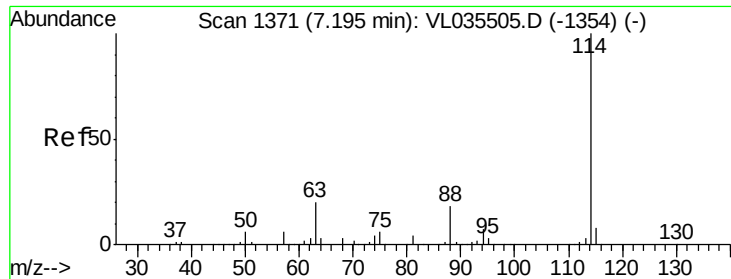


#32

1,1,1-Trichloroethane
Concen: 9.977 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 97 Resp: 2171741
Ion Ratio Lower Upper
97 100
99 66.0 53.3 79.9
61 39.4 30.6 46.0





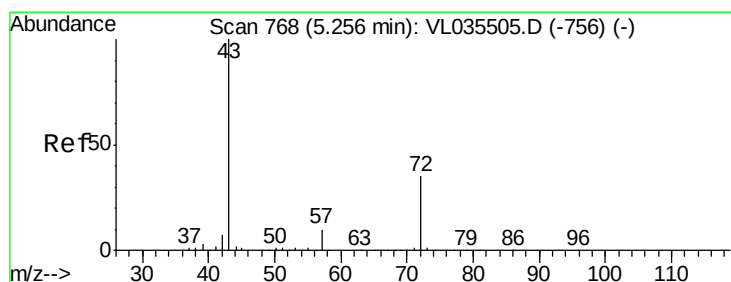
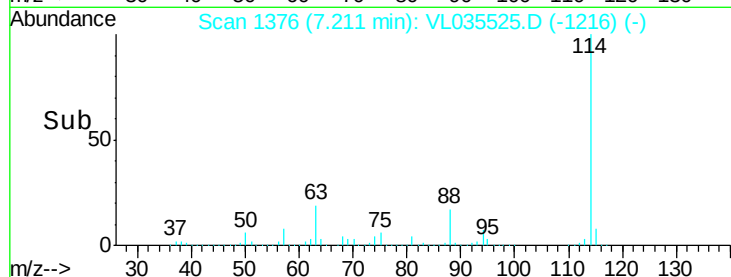
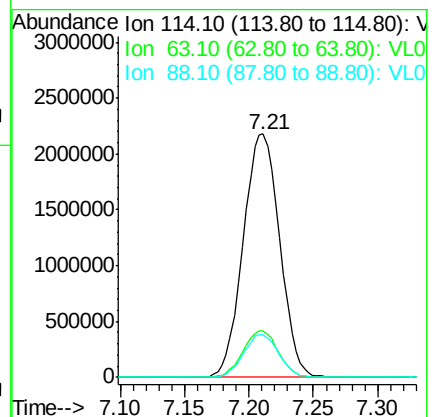
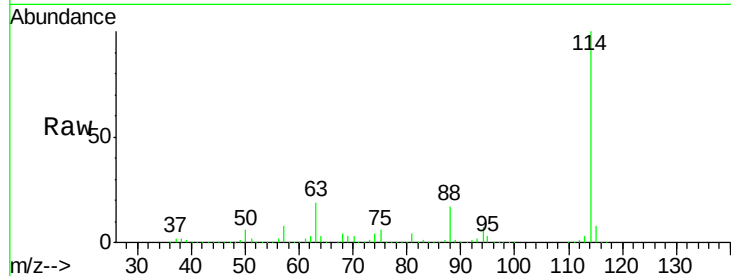
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4292875
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.7 22.1
 88 16.9 13.4 20.2

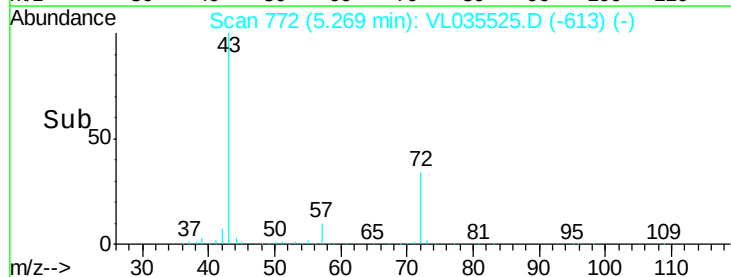
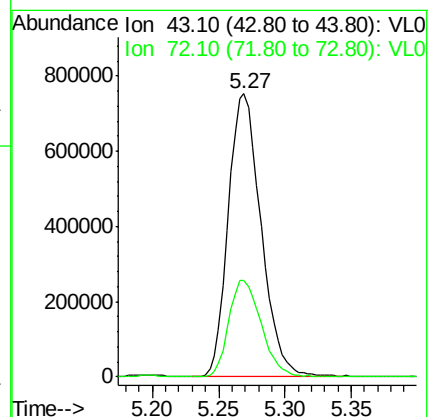
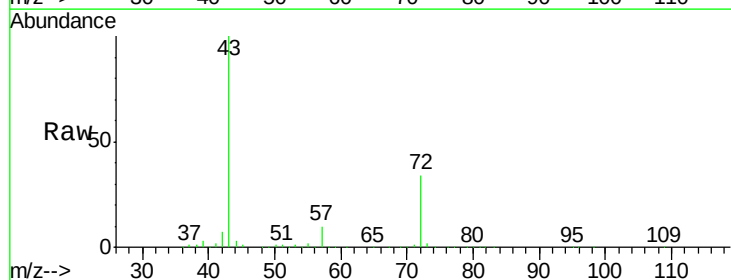
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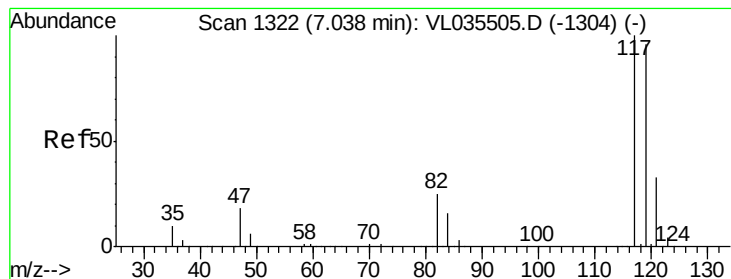
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#34
 2-Butanone
 Concen: 10.139 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 43 Resp: 1291746
 Ion Ratio Lower Upper
 43 100
 72 34.2 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.785 ppbv

RT: 7.05 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2326862

Ion Ratio Lower Upper

117 100

119 98.0 77.2 115.8

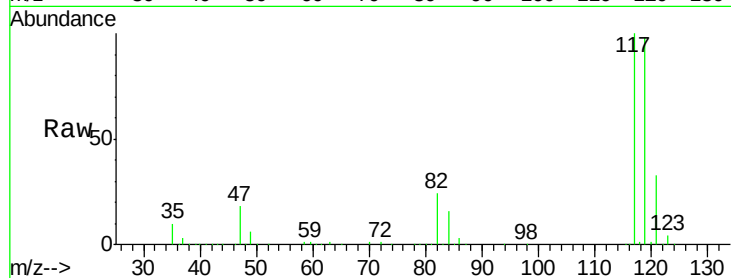
121 33.4 26.1 39.1

Manual Integrations

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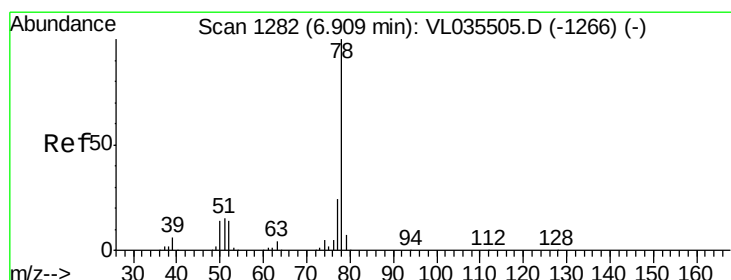
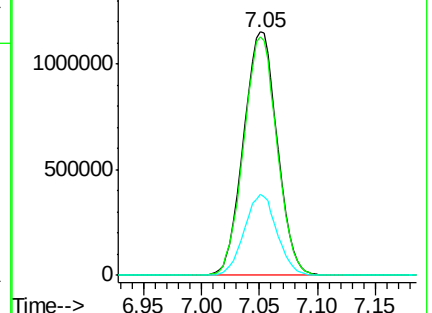
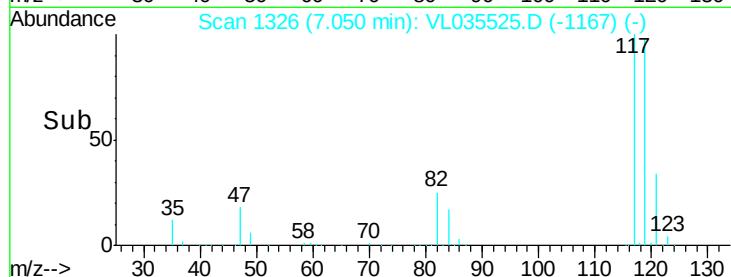
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.104 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

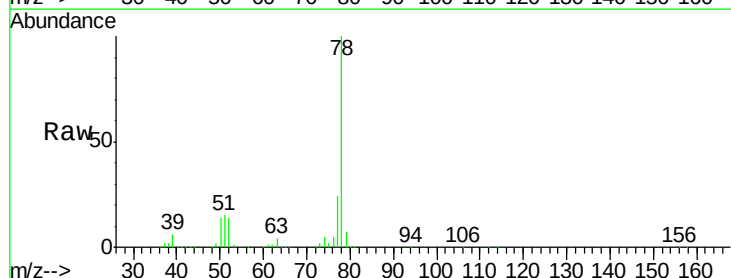
Tgt Ion: 78 Resp: 2807759

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9

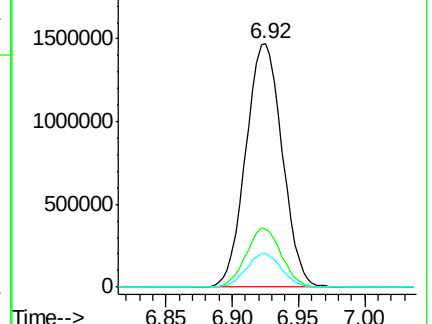
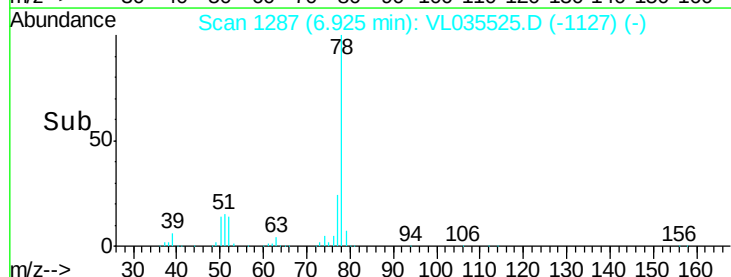
50 13.7 11.0 16.6

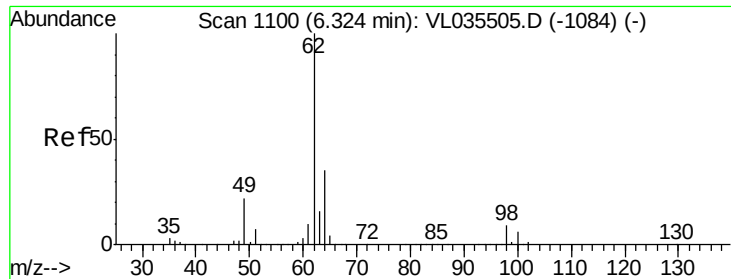


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





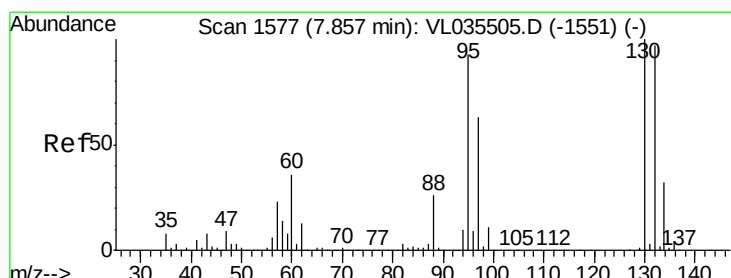
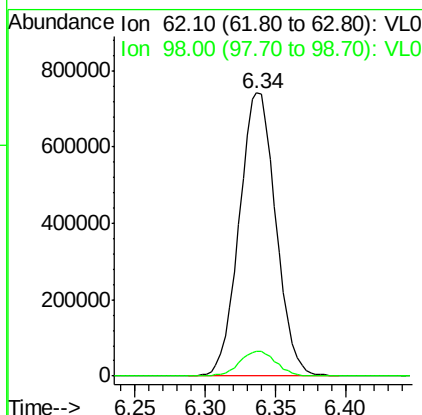
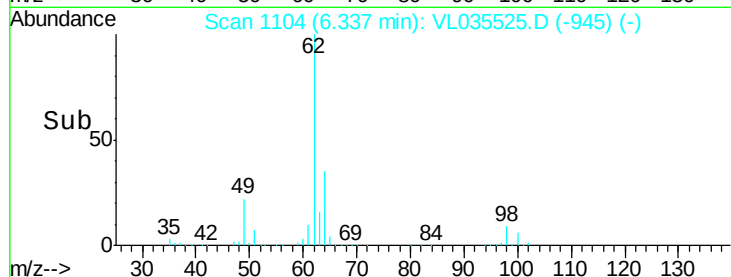
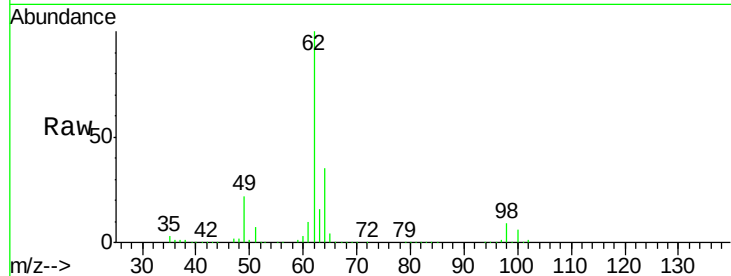
#37
 1,2-Dichloroethane
 Concen: 10.190 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1350020
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.4 11.0

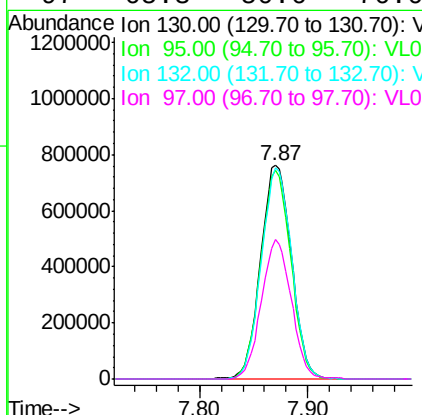
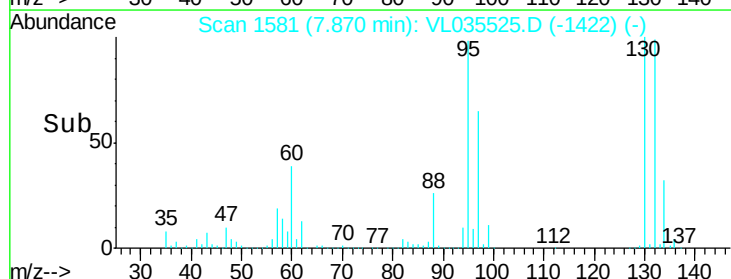
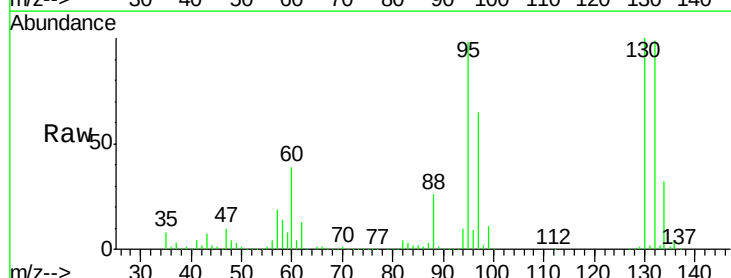
Manual Integrations
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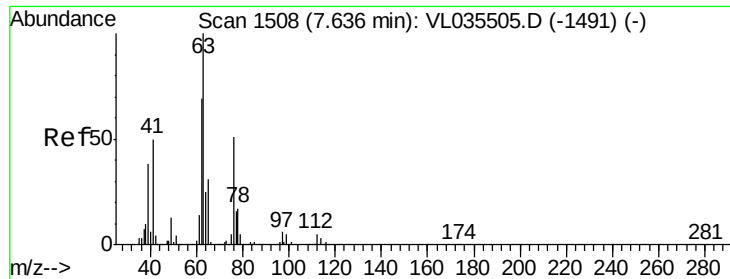
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#38
 Trichloroethene
 Concen: 9.386 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:130 Resp: 1514984
 Ion Ratio Lower Upper
 130 100
 95 97.5 74.6 112.0
 132 99.1 77.6 116.4
 97 65.3 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.080 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

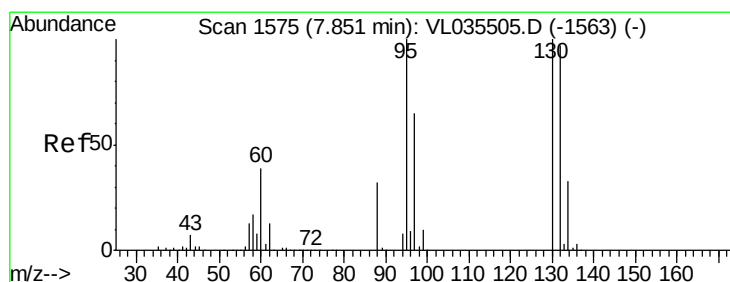
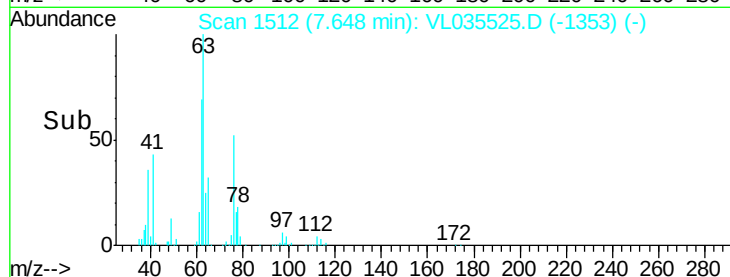
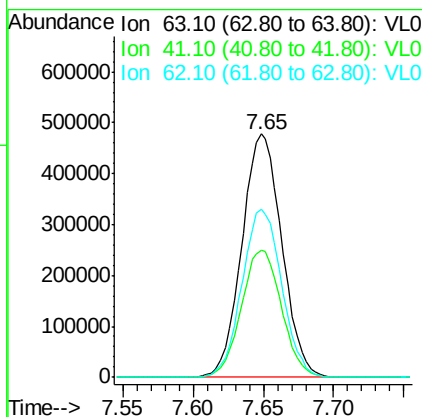
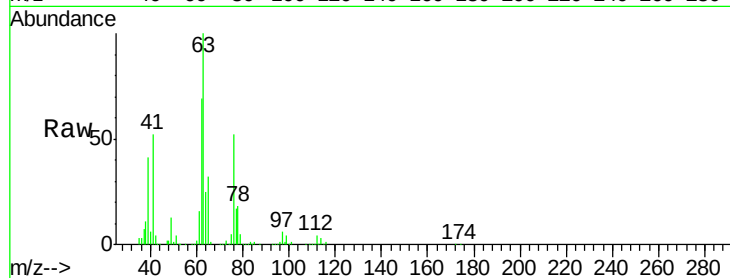
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	946205
Ion	Ratio	Lower	Upper
63	100		
41	52.2	40.0	60.0
62	69.1	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.485 ppbv

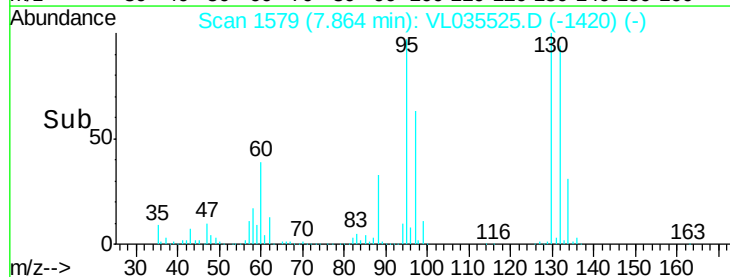
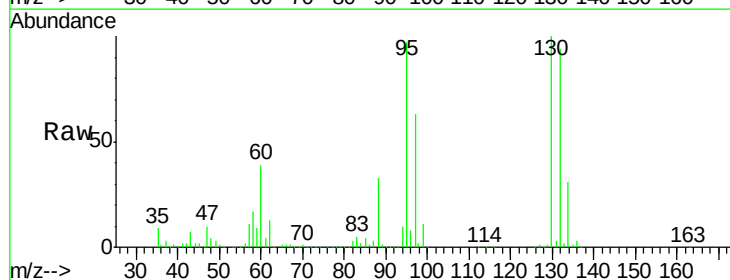
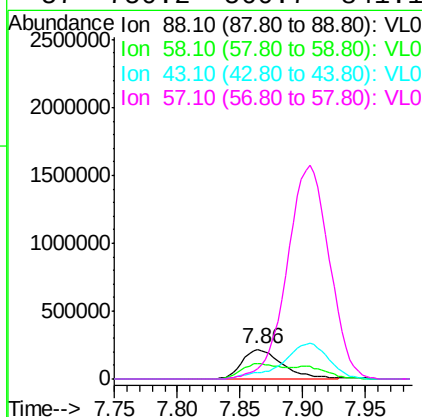
RT: 7.86 min Scan# 1579

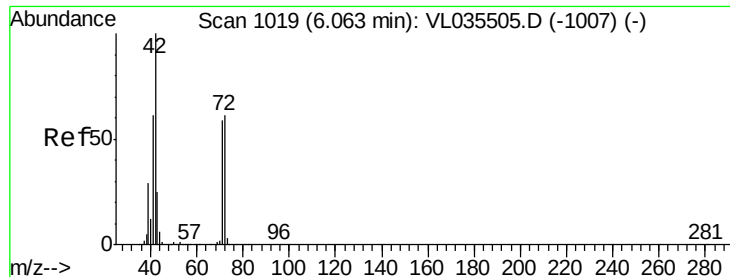
Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Tgt Ion:	88	Resp:	491665
Ion	Ratio	Lower	Upper
88	100		
58	89.3	68.7	103.1
43	137.9	104.3	156.5
57	750.2	560.7	841.1





#41

Tetrahydrofuran

Concen: 10.928 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

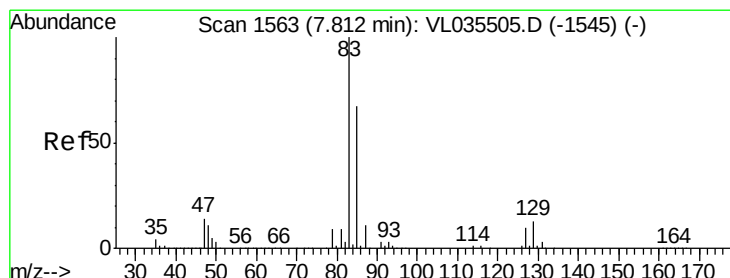
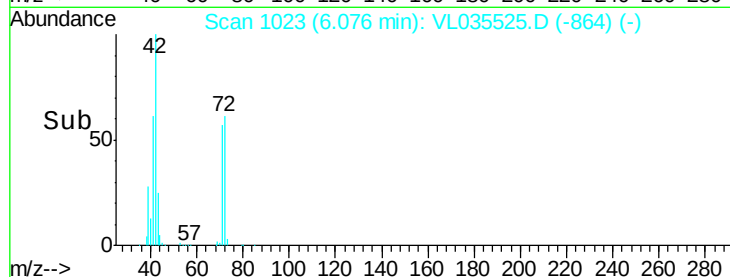
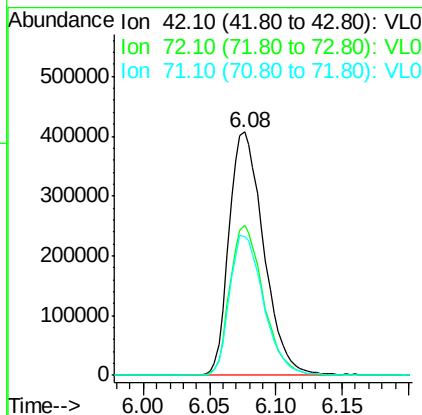
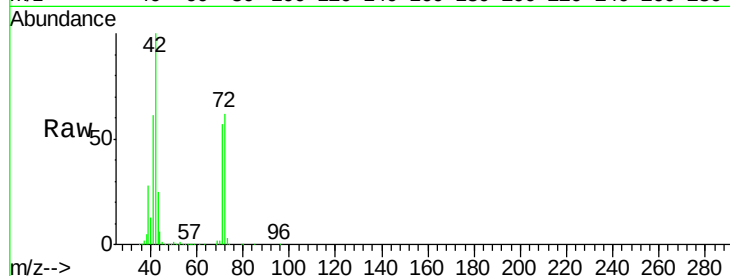
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	738282
Ion Ratio		Lower	Upper
42	100		
72	59.9	48.6	73.0
71	56.5	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.830 ppbv

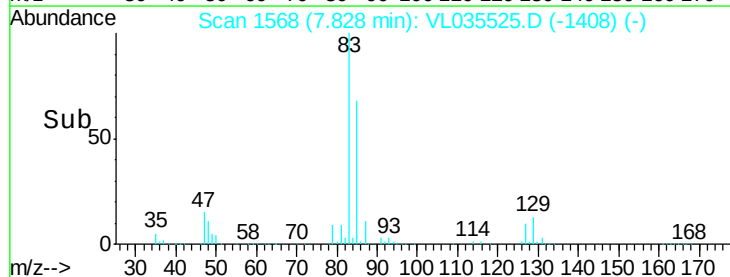
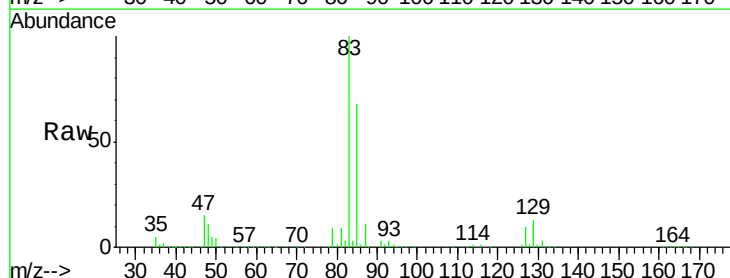
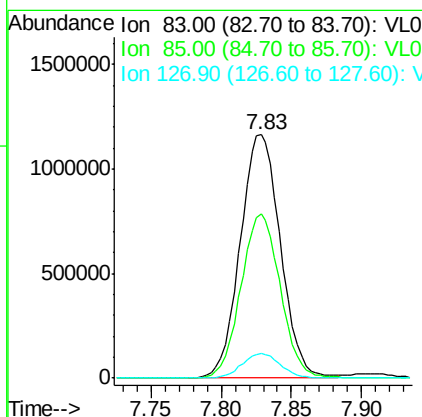
RT: 7.83 min Scan# 1568

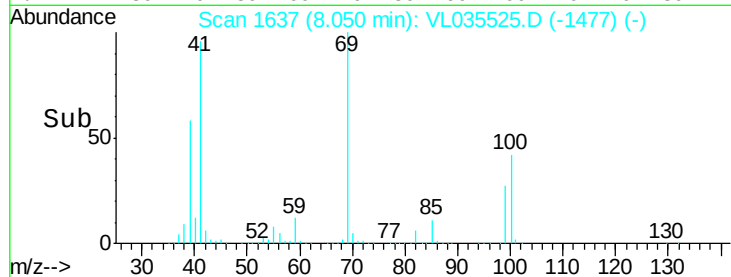
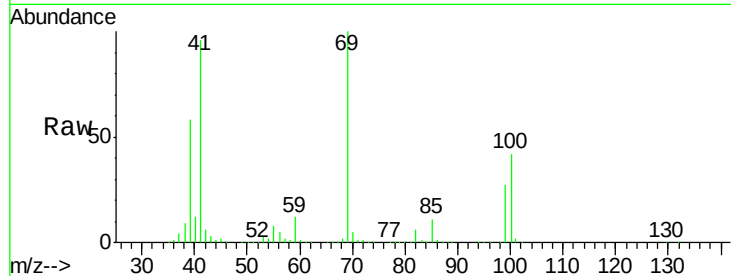
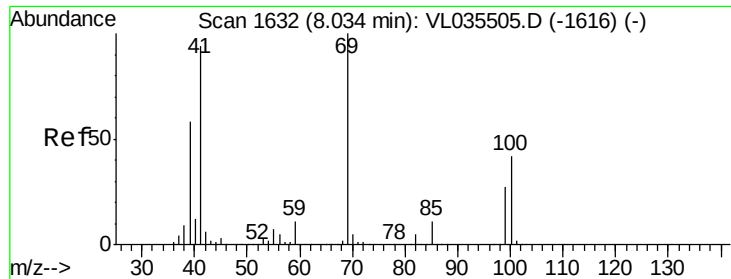
Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Tgt Ion:	83	Resp:	2320273
Ion Ratio		Lower	Upper
83	100		
85	67.7	53.7	80.5
127	10.2	8.1	12.1





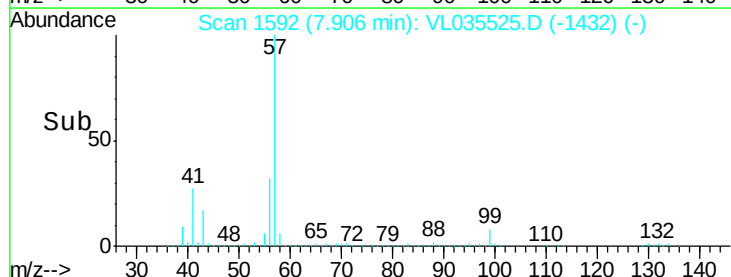
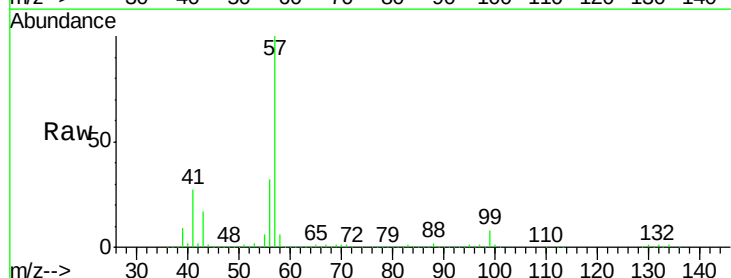
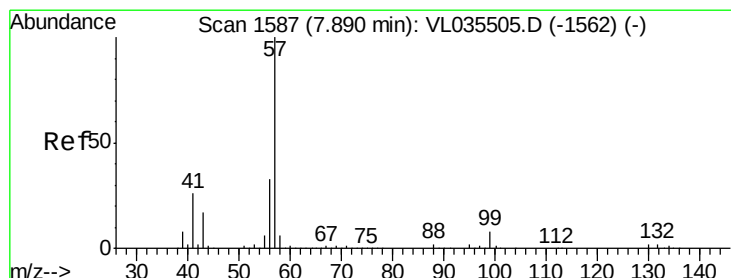
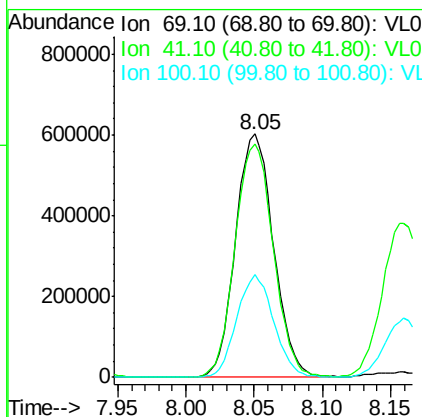
#43
Methyl Methacrylate
Concen: 10.875 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tot Ion: 69 Resp: 1168548
Ion Ratio Lower Upper
69 100
41 96.7 76.6 114.8
100 41.0 33.8 50.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

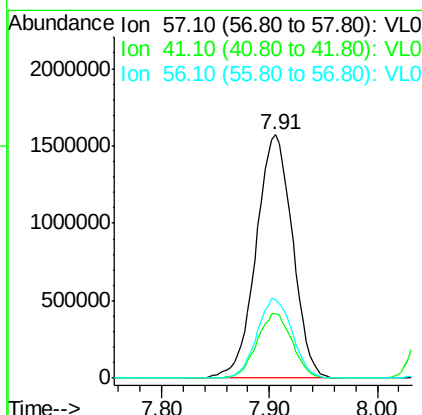
Manual Integrations
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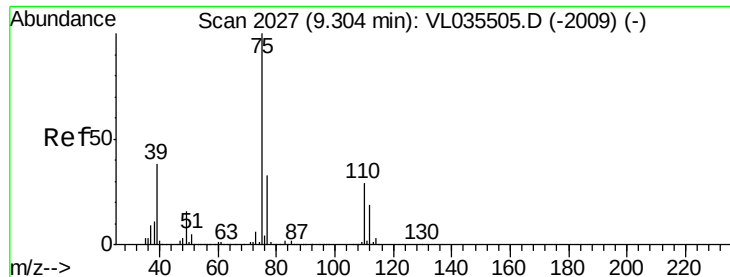
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.075 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 57 Resp: 3683574
Ion Ratio Lower Upper
57 100
41 25.8 20.5 30.7
56 31.7 25.3 37.9





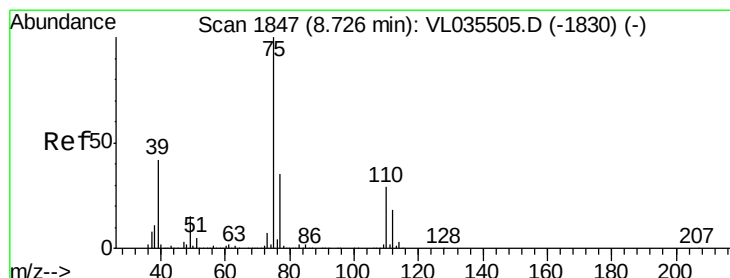
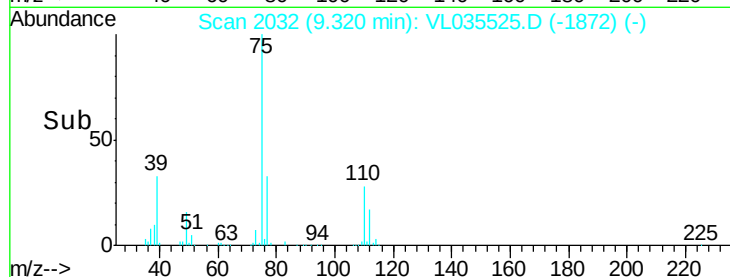
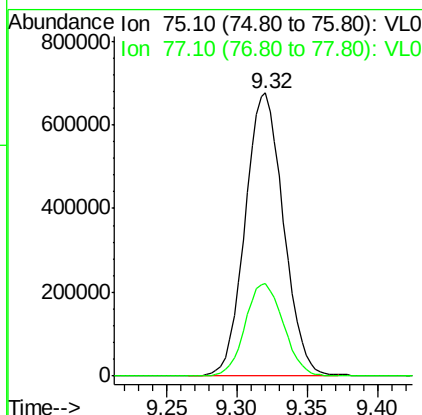
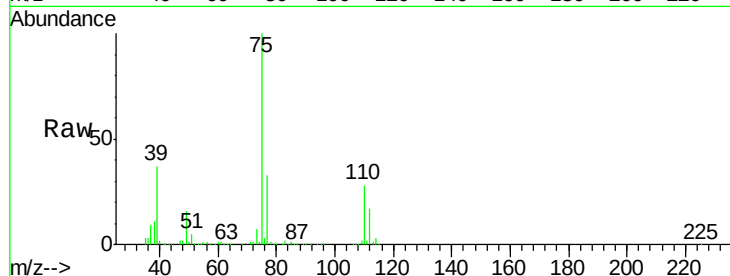
#45
t-1,3-Dichloropropene
Concen: 11.830 ppbv
RT: 9.32 min Scan# 2032
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1287702
Ion Ratio Lower Upper
75 100
77 32.6 26.5 39.7

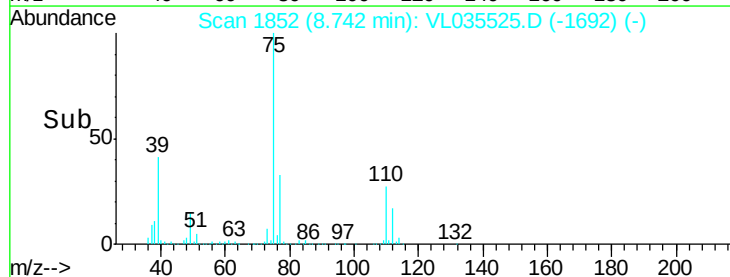
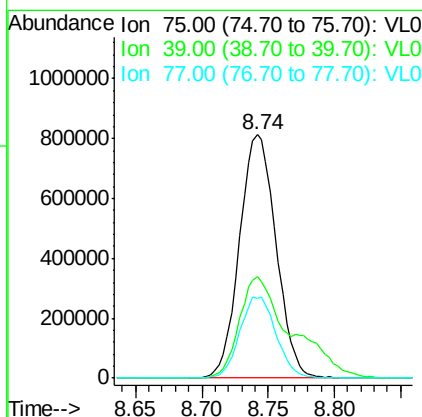
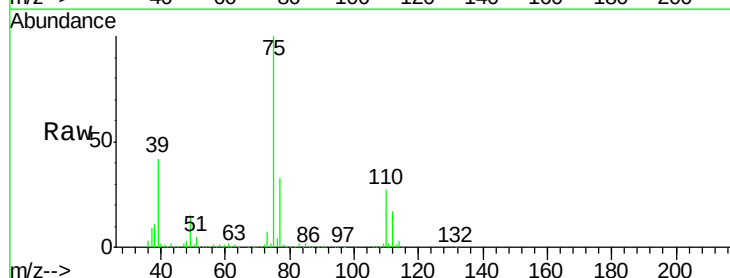
Manual Integrations
APPROVED

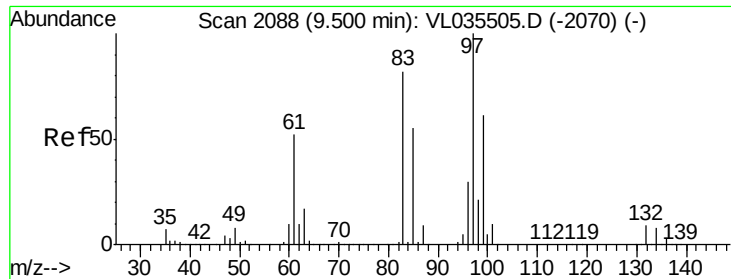
MMDadoda
8/28/2020 3:17:51 PM



#46
cis-1,3-Dichloropropene
Concen: 11.526 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 75 Resp: 1557786
Ion Ratio Lower Upper
75 100
39 41.5 33.7 50.5
77 32.6 27.8 41.6





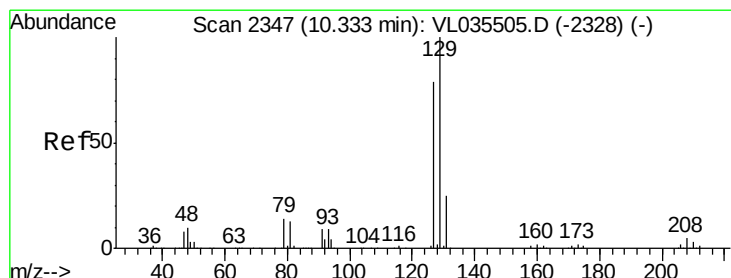
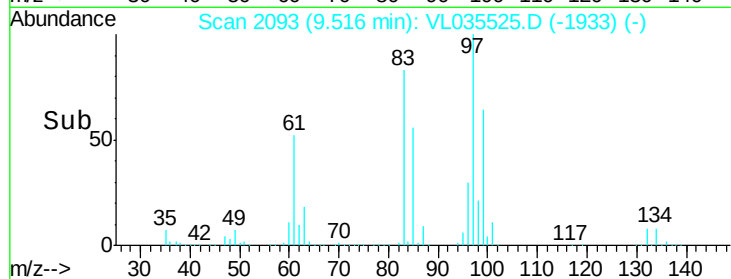
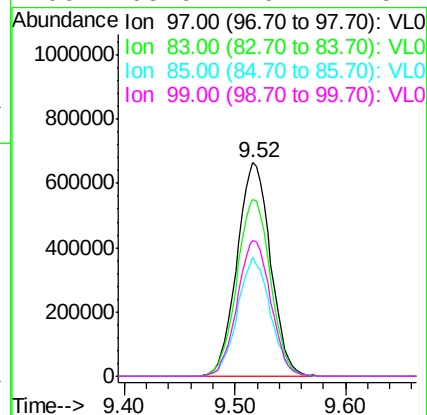
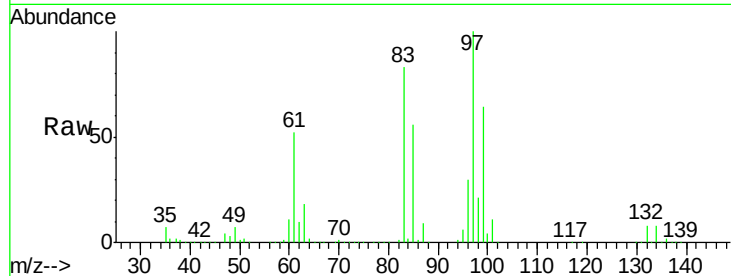
#47
 1,1,2-Trichloroethane
 Concen: 10.085 ppbv
 RT: 9.52 min Scan# 2093
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.6	65.4	98.2	
85	55.8	43.7	65.5	
99	63.5	49.1	73.7	

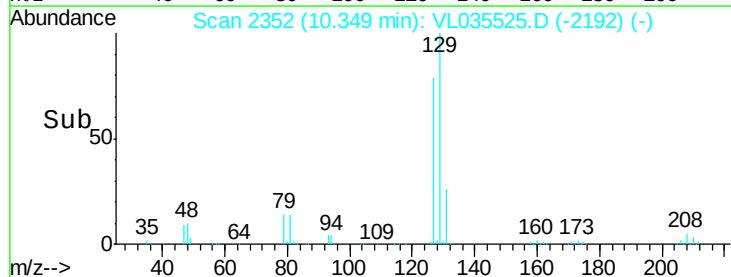
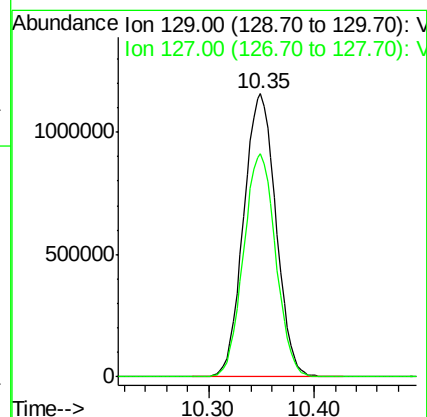
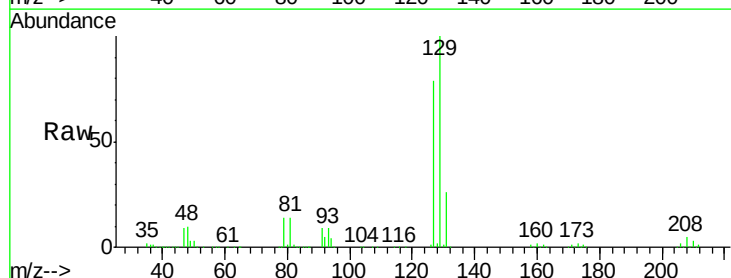
Manual Integrations
 APPROVED

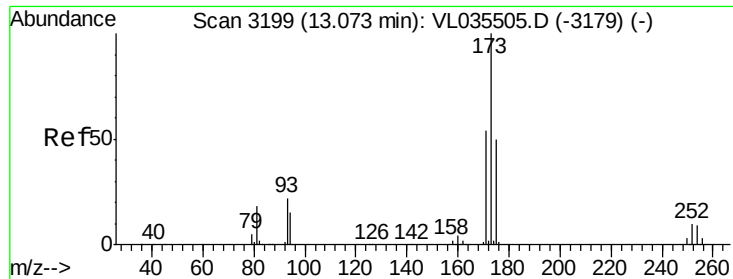
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.302 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.3	117.8	





#49

Bromoform

Concen: 11.757 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2322788

Ion Ratio Lower Upper

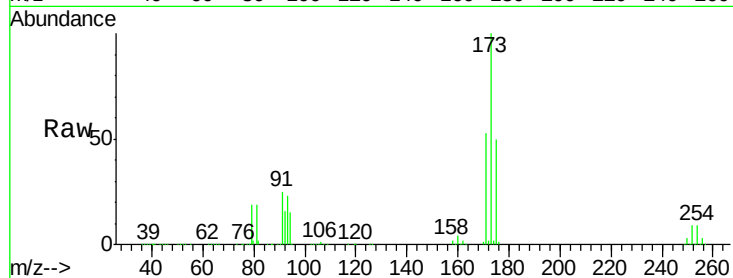
173 100

175 49.7 39.8 59.8

171 53.1 42.4 63.6

Manual Integrations
APPROVED

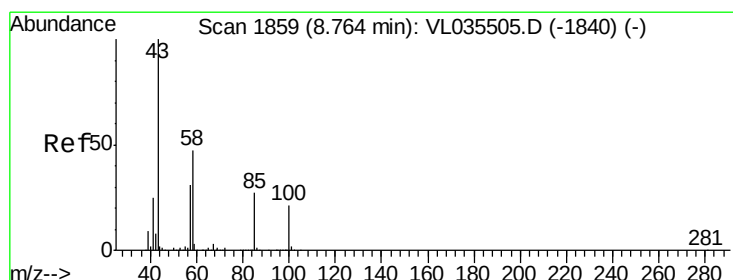
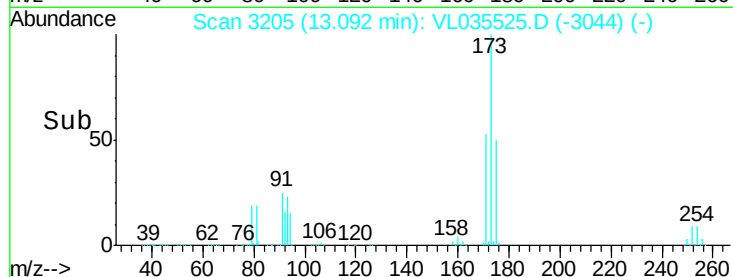
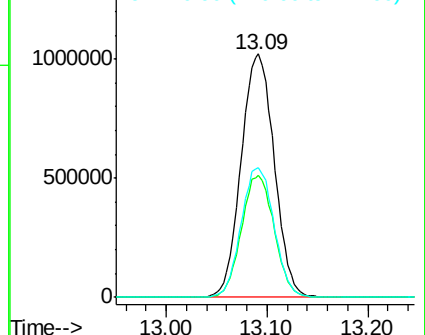
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8/28/2020 3:17:51 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.661 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.02 min

Lab File: VL035525.D

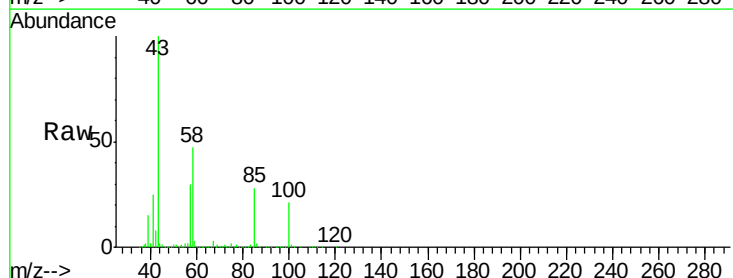
Acq: 27 Aug 2020 19:01

Tgt Ion: 43 Resp: 1966631

Ion Ratio Lower Upper

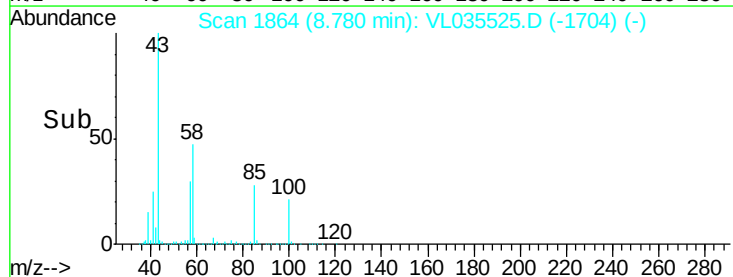
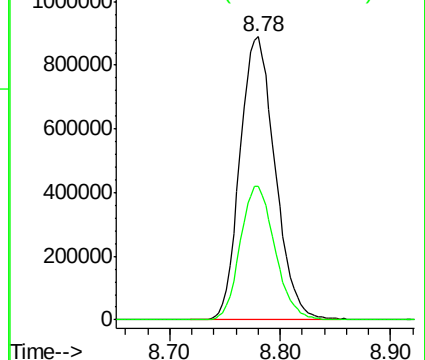
43 100

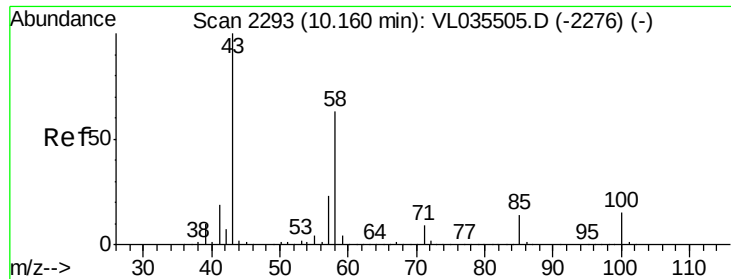
58 46.6 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





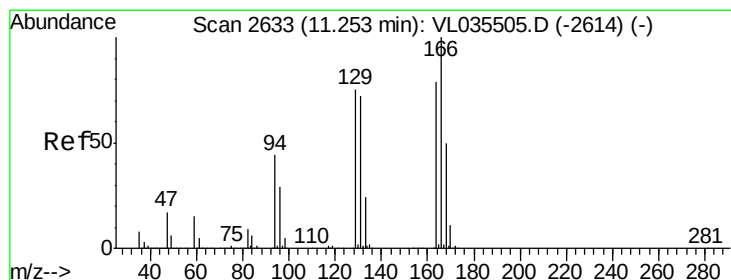
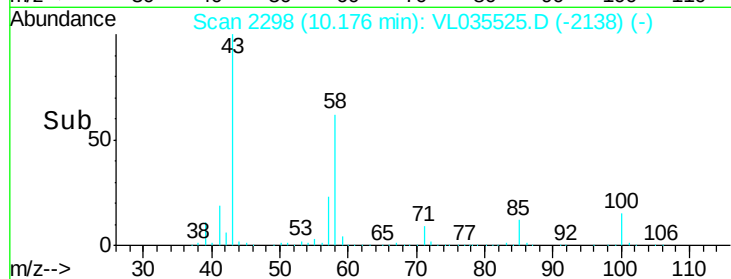
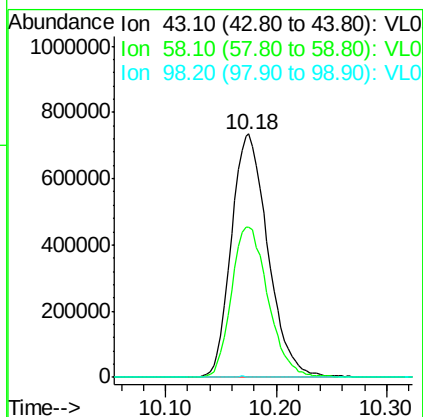
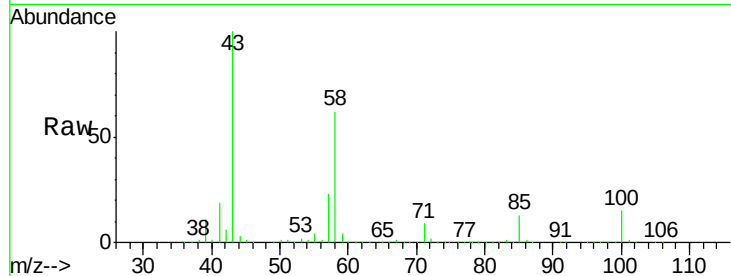
#51
2-Hexanone
Concen: 11.154 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1687964
Ion Ratio Lower Upper
43 100
58 62.3 50.2 75.4
98 0.6 0.4 0.6#

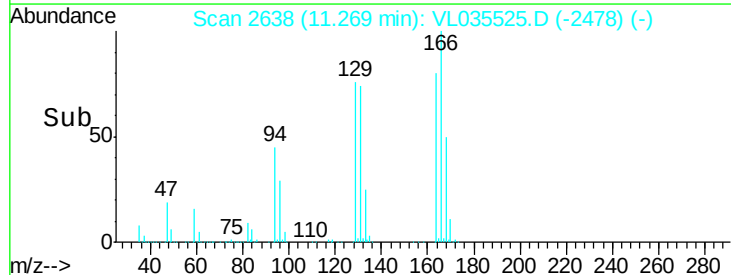
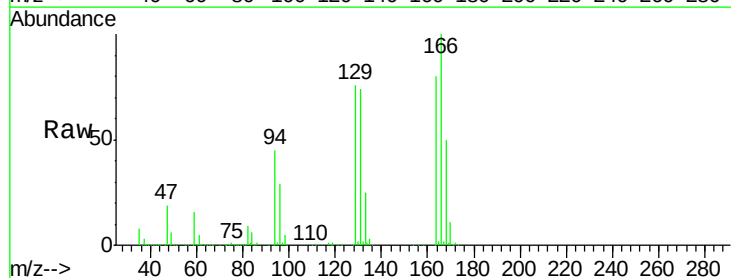
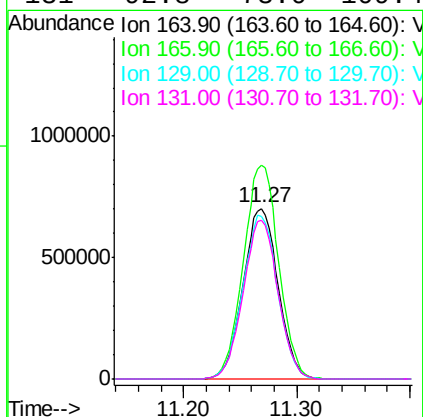
Manual Integrations
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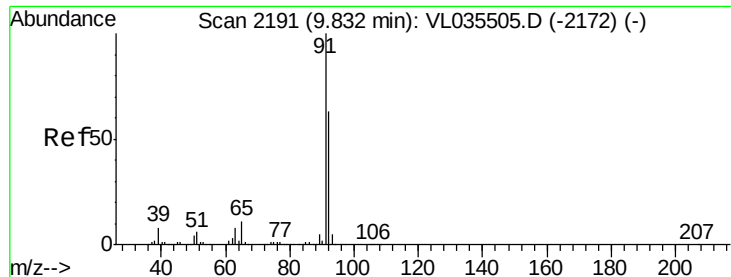
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#52
Tetrachloroethene
Concen: 9.331 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion:164 Resp: 1514835
Ion Ratio Lower Upper
164 100
166 125.3 100.9 151.3
129 95.6 75.3 112.9
131 92.8 73.0 109.4





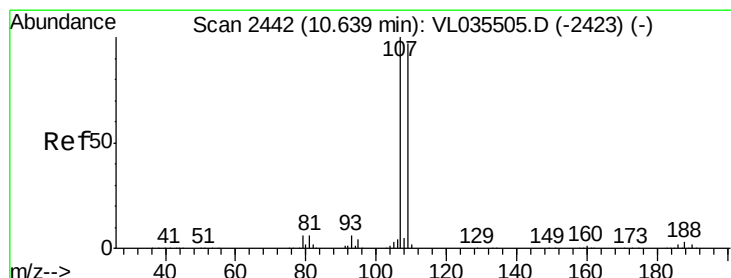
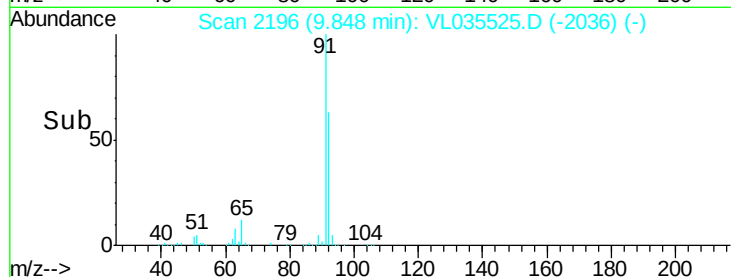
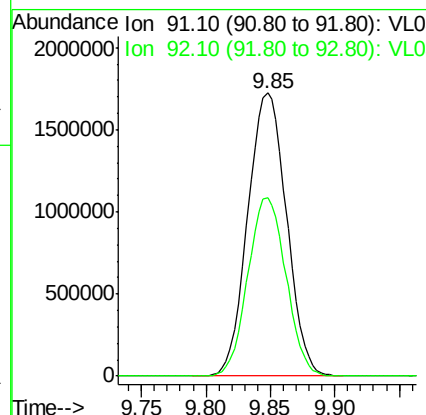
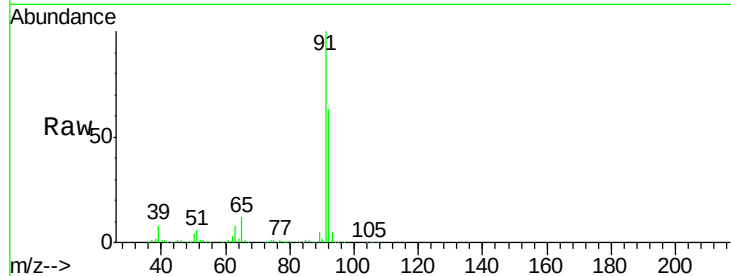
#53
Toluene
Concen: 10.358 ppbv
RT: 9.85 min Scan# 2196
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3619446
Ion Ratio Lower Upper
91 100
92 62.0 49.8 74.8

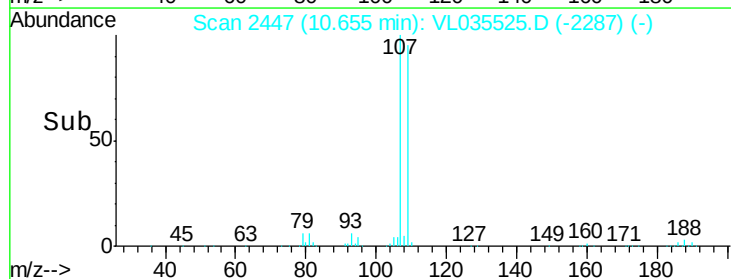
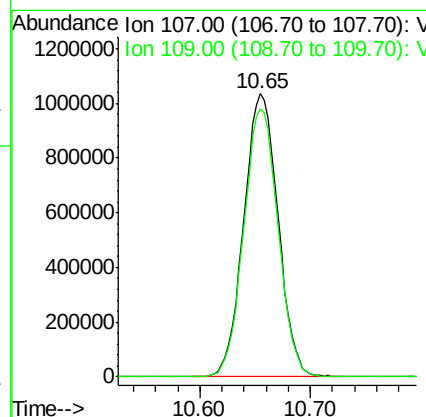
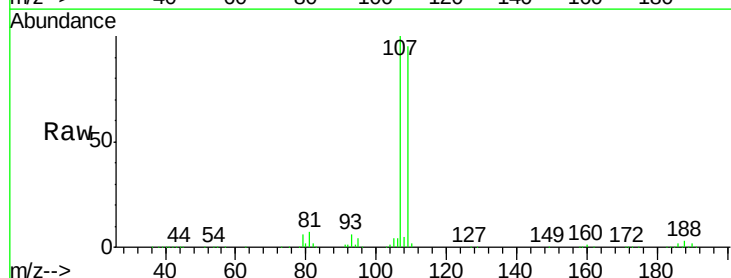
Manual Integrations
APPROVED

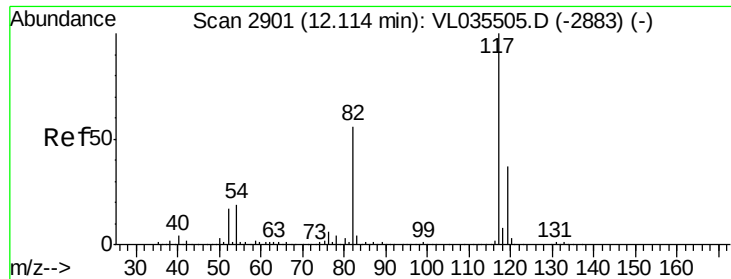
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#54
1,2-Dibromoethane
Concen: 10.189 ppbv
RT: 10.65 min Scan# 2447
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 107 Resp: 2230147
Ion Ratio Lower Upper
107 100
109 94.6 77.8 116.8





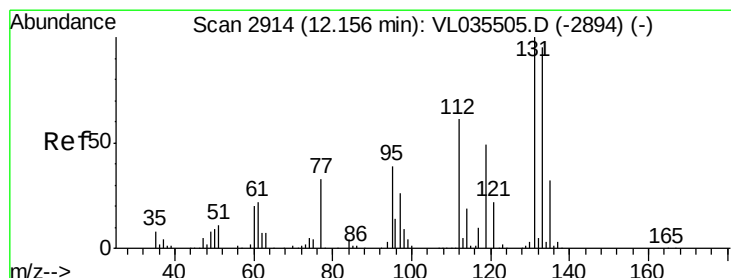
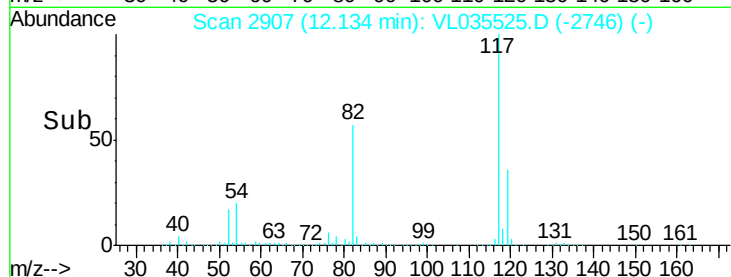
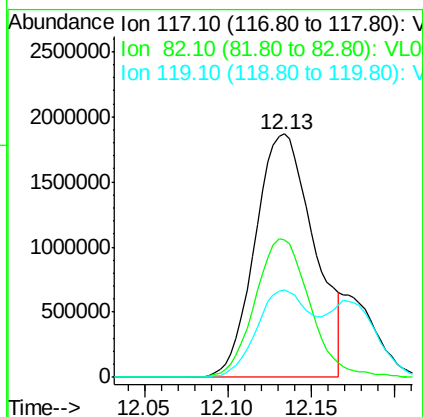
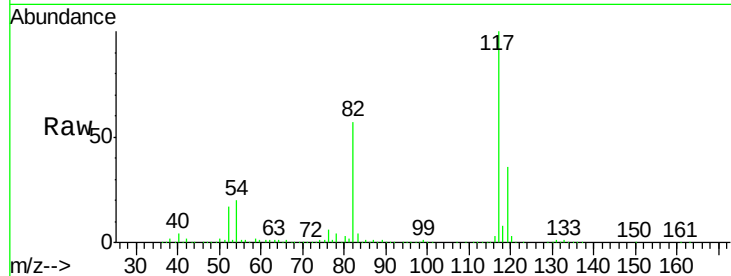
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4593927
Ion Ratio Lower Upper
117 100
82 53.0 41.6 62.4
119 32.0 29.3 43.9

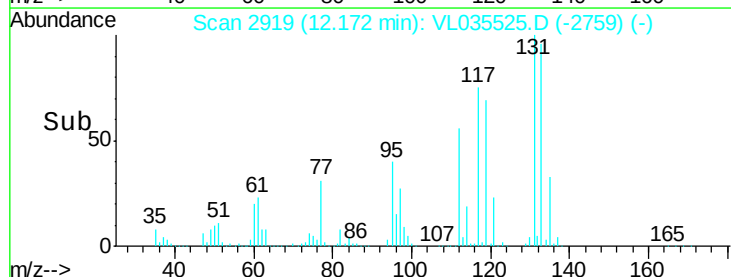
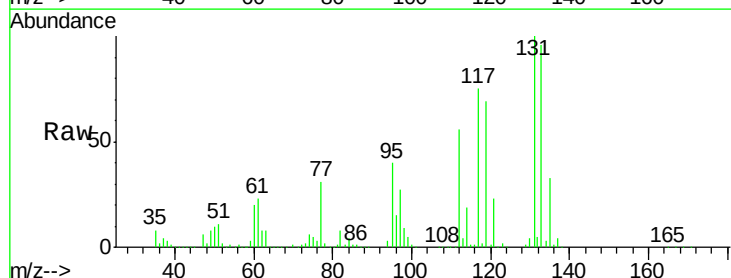
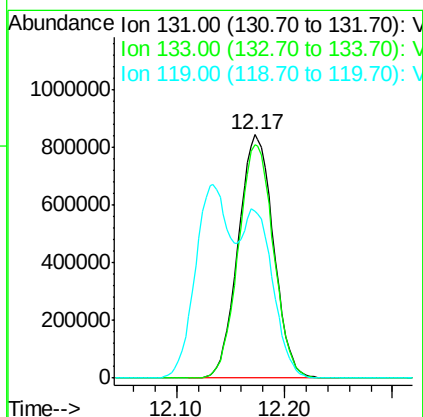
Manual Integrations
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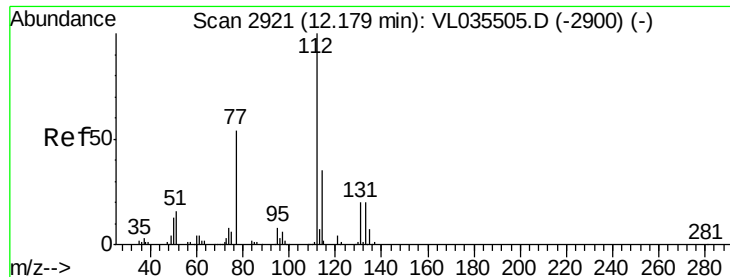
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.254 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion:131 Resp: 1916826
Ion Ratio Lower Upper
131 100
133 95.8 76.6 115.0
119 60.6 51.6 77.4





#57

Chlorobenzene

Concen: 9.289 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3140538

Ion Ratio Lower Upper

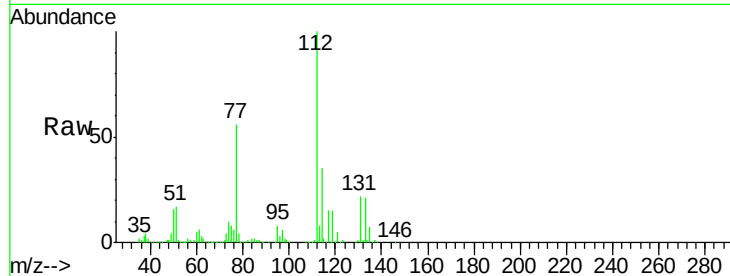
112 100

77 56.0 44.2 66.4

114 34.9 31.6 38.6

Manual Integrations
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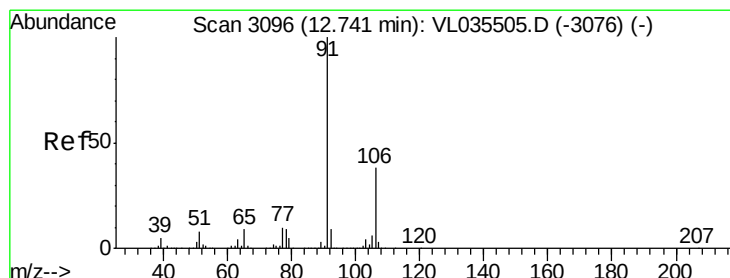
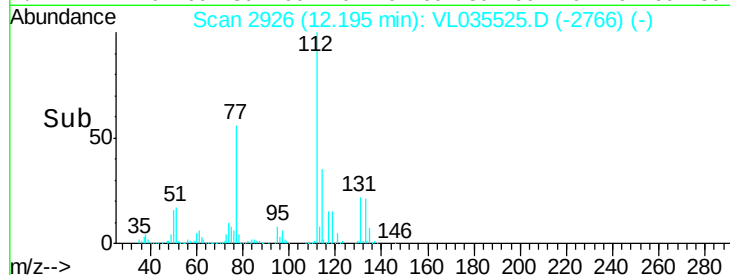
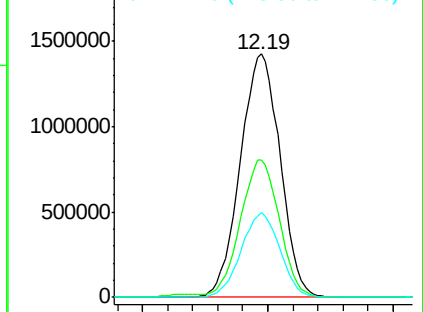
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.026 ppbv

RT: 12.76 min Scan# 3101

Delta R.T. 0.02 min

Lab File: VL035525.D

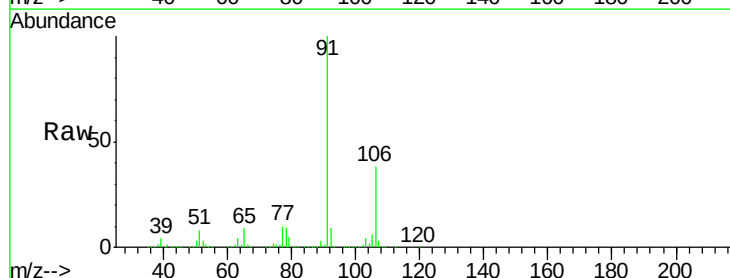
Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 4749372

Ion Ratio Lower Upper

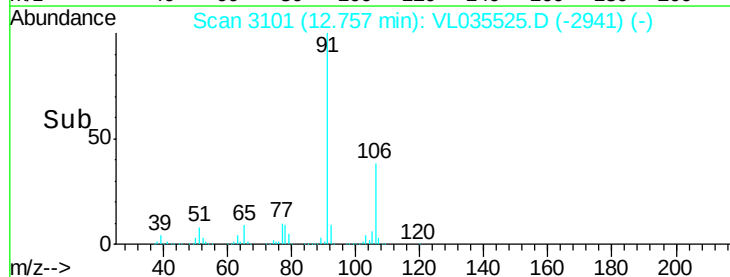
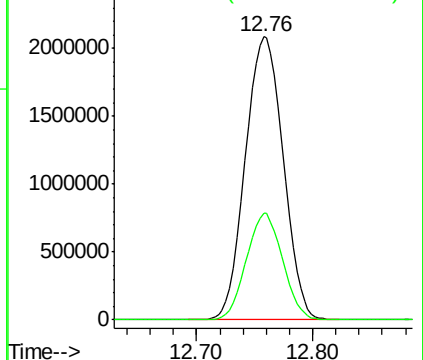
91 100

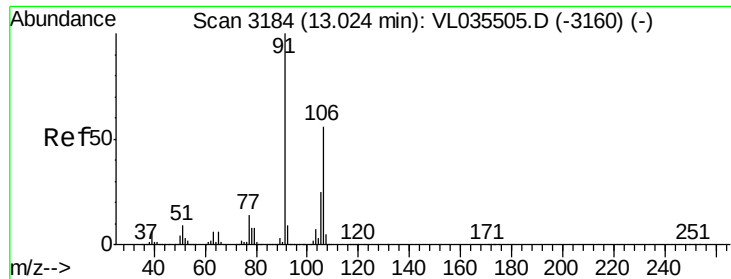
106 37.7 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





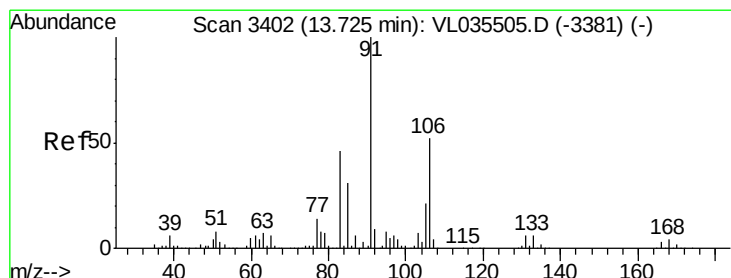
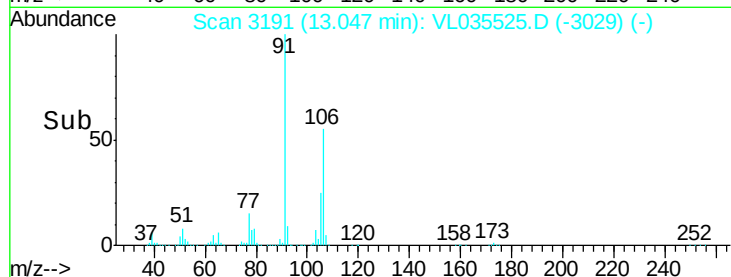
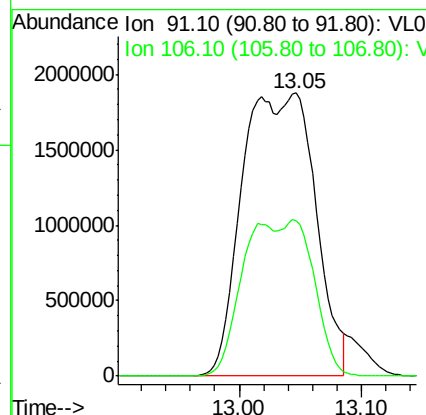
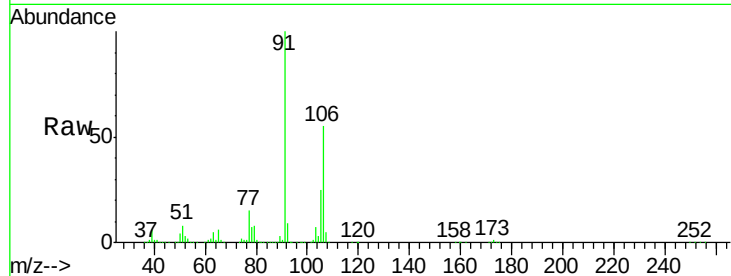
#59
m/p-Xylene
Concen: 19.604 ppbv m
RT: 13.05 min Scan# 3191
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7760148
Ion Ratio Lower Upper
91 100
106 53.1 43.4 65.2

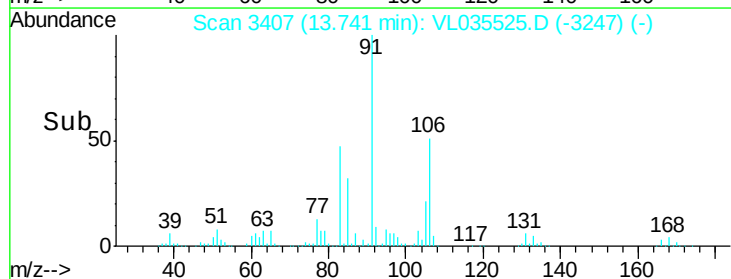
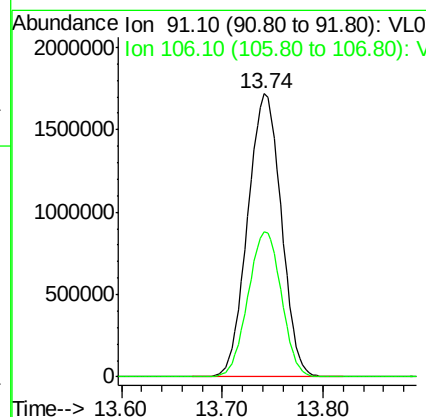
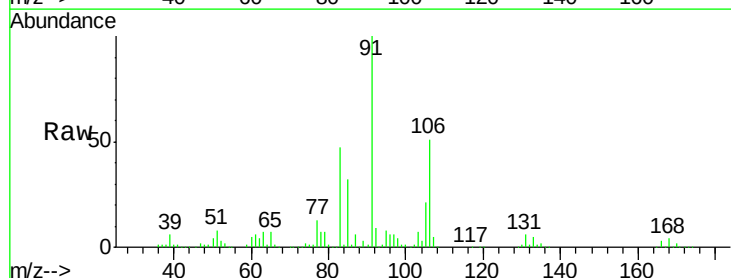
Manual Integrations
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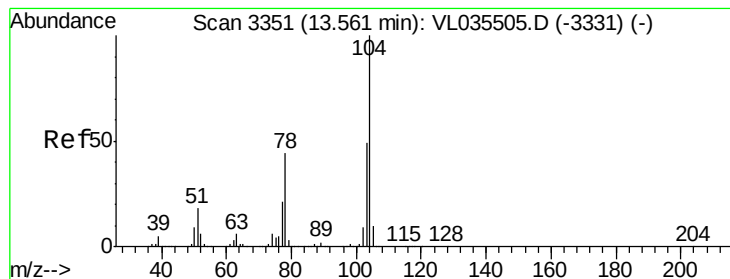
MMDadoda
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#60
o-Xylene
Concen: 9.940 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 3962878
Ion Ratio Lower Upper
91 100
106 50.9 25.8 77.4





#61

Stvrene

Concen: 10.494 ppbv

RT: 13.58 min Scan# 3356

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3199835

Ion Ratio Lower Upper

104 100

78 44.2 34.8 52.2

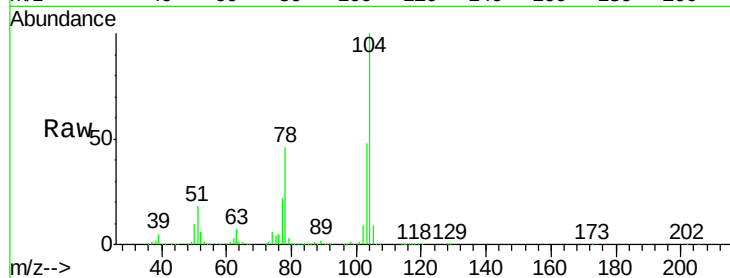
103 47.6 38.2 57.4

Manual Integrations

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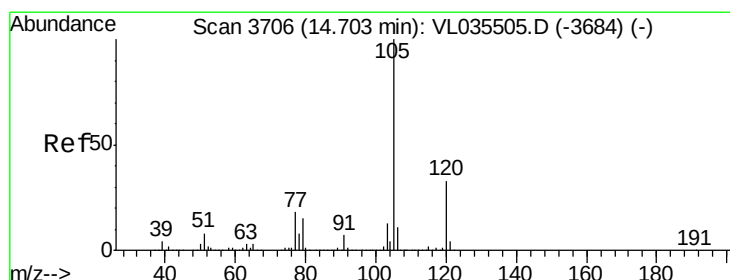
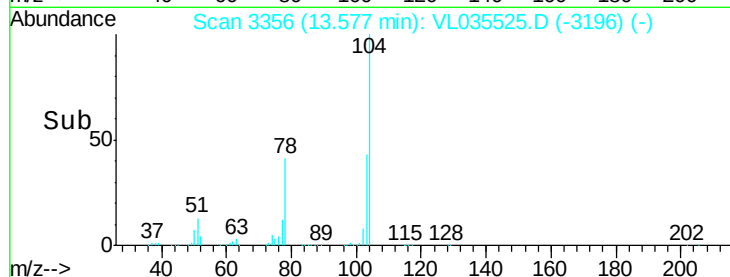
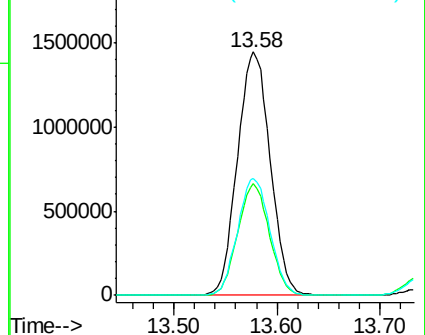
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.549 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.02 min

Lab File: VL035525.D

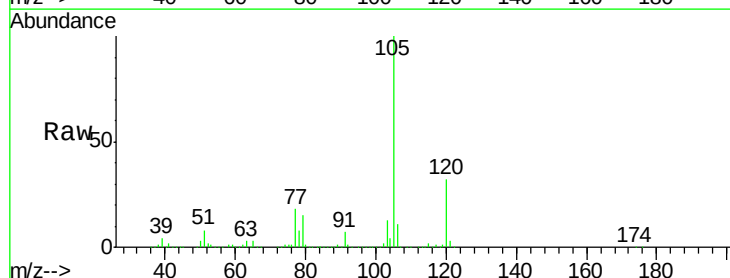
Acq: 27 Aug 2020 19:01

Tgt Ion:105 Resp: 6115621

Ion Ratio Lower Upper

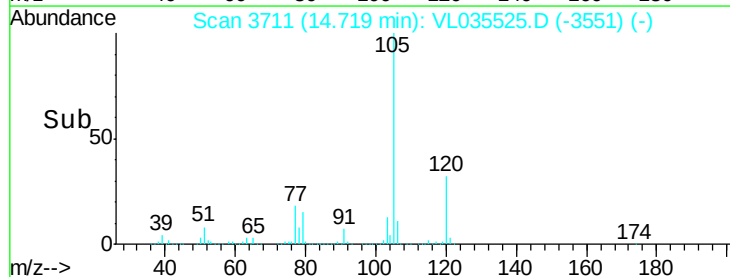
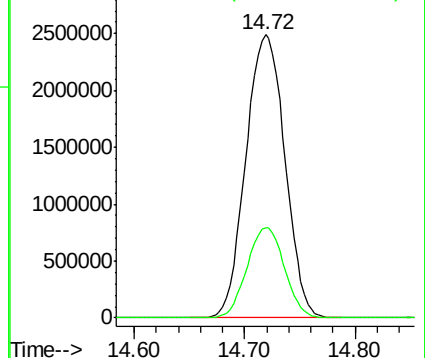
105 100

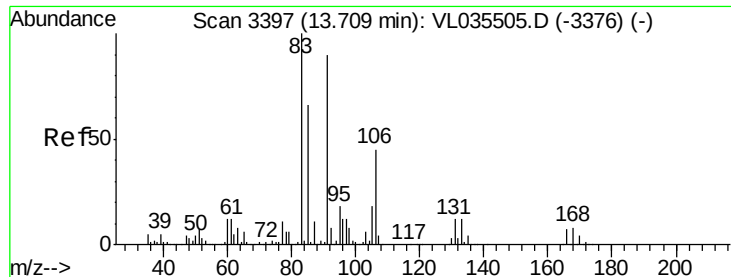
120 30.4 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





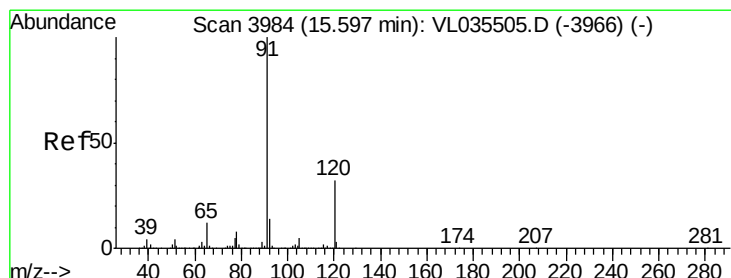
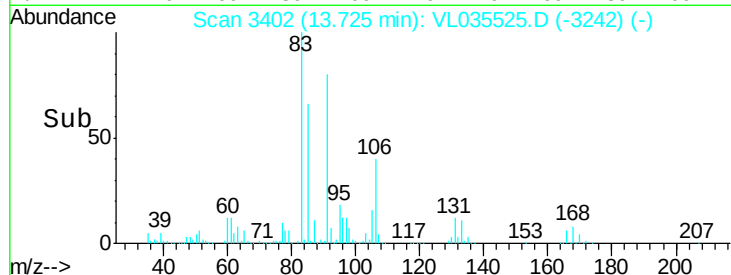
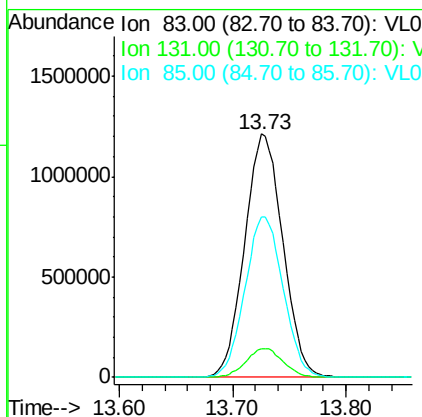
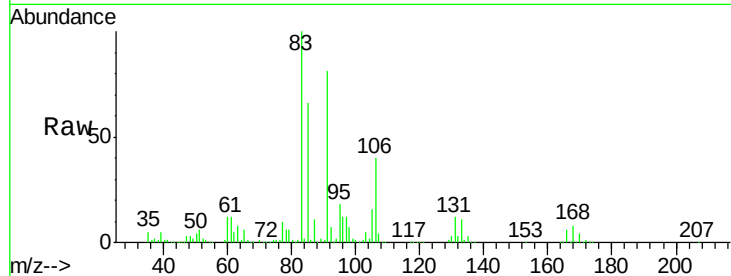
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.206 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2845395
 Ion Ratio Lower Upper
 83 100
 131 11.6 6.0 18.0
 85 66.3 33.4 100.2

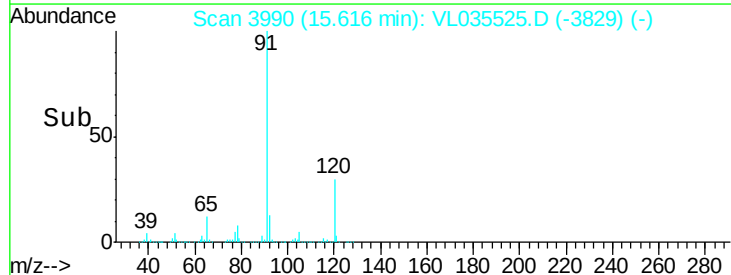
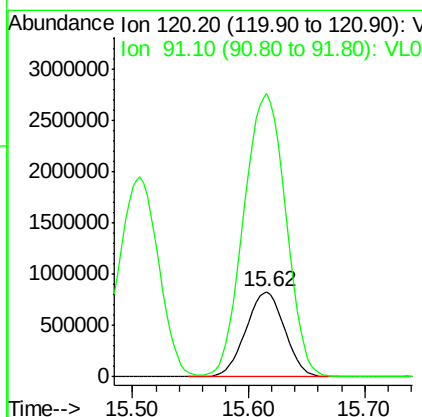
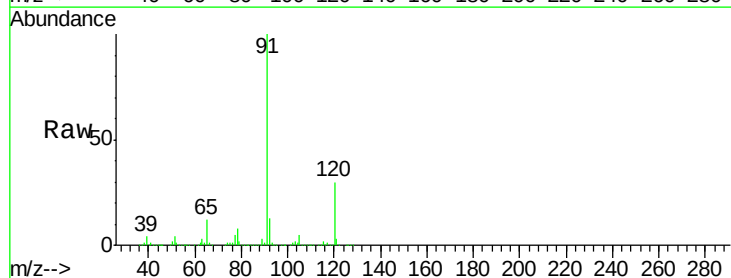
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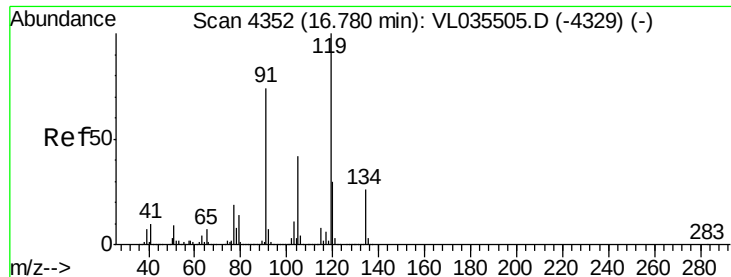
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#64
 n-propylbenzene
 Concen: 9.874 ppbv
 RT: 15.62 min Scan# 3990
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 120 Resp: 1929698
 Ion Ratio Lower Upper
 120 100
 91 361.8 279.4 419.0





#65

tert-Butylbenzene

Concen: 9.829 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 5851717

Ion Ratio Lower Upper

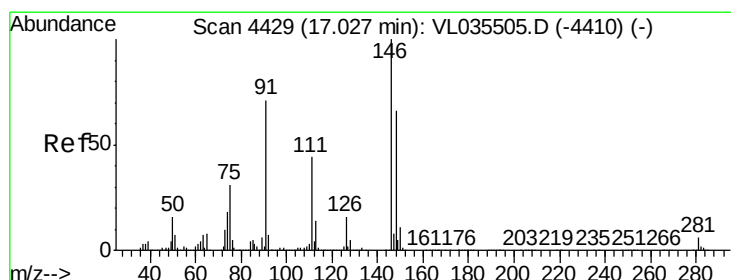
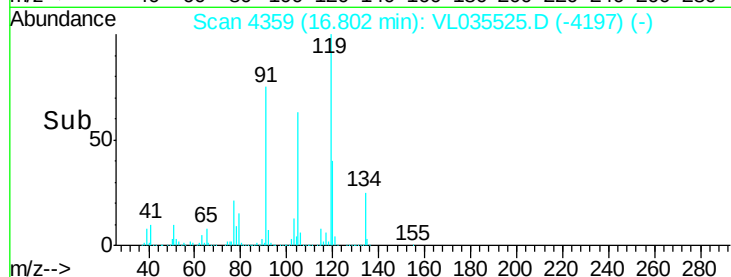
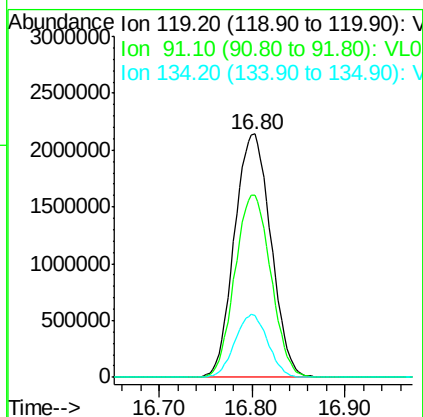
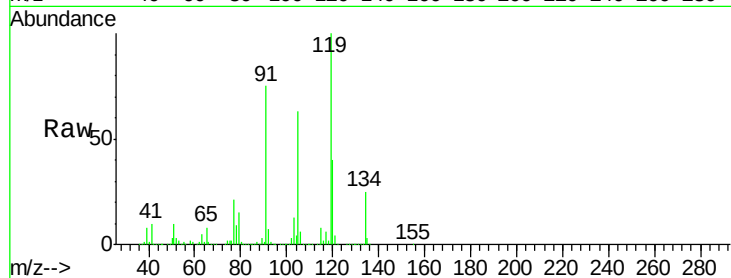
119 100

91 74.0 58.6 87.8

134 23.3 18.9 28.3

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#66

Benzyl Chloride

Concen: 12.408 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

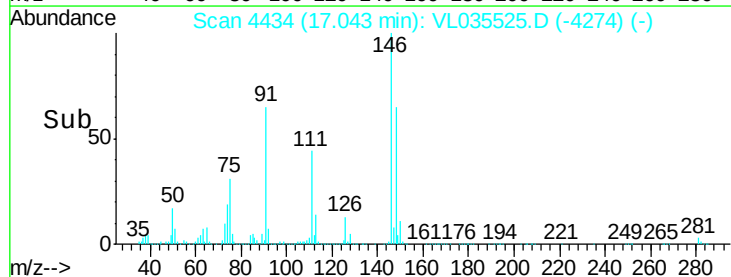
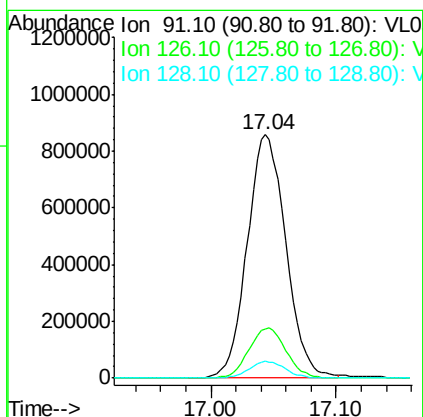
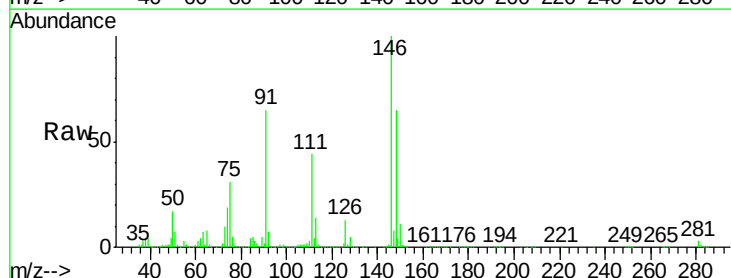
Tgt Ion: 91 Resp: 1835756

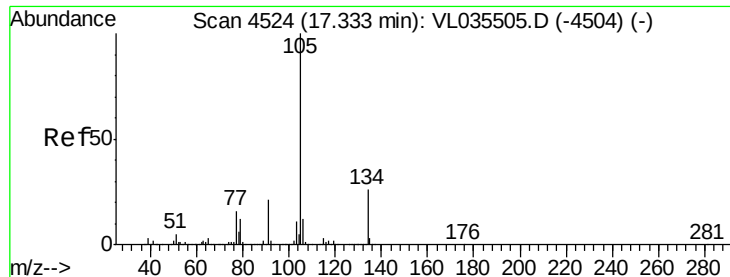
Ion Ratio Lower Upper

91 100

126 20.1 17.2 25.8

128 6.5 5.5 8.3





#67

sec-Butylbenzene

Concen: 9.677 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7675357

Ion Ratio Lower Upper

105 100

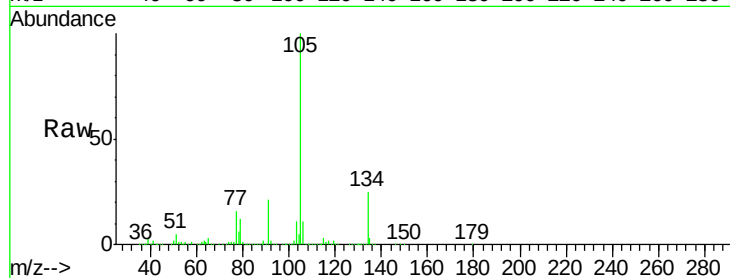
134 23.0 19.1 28.7

Manual Integrations

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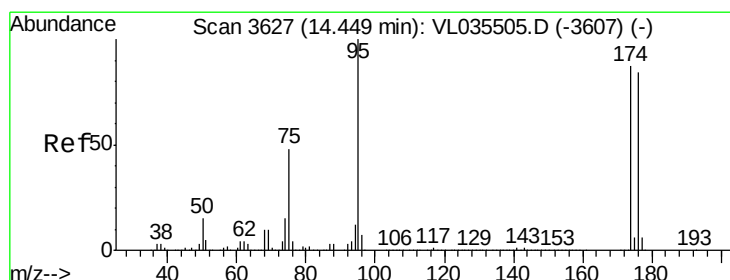
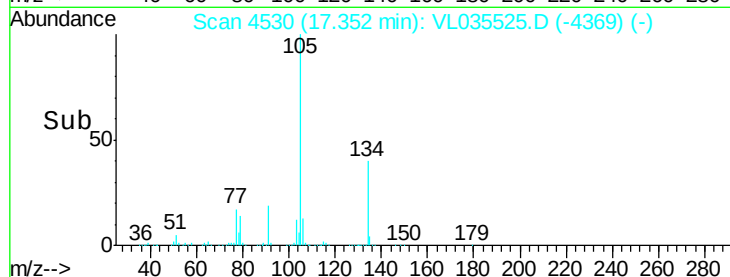
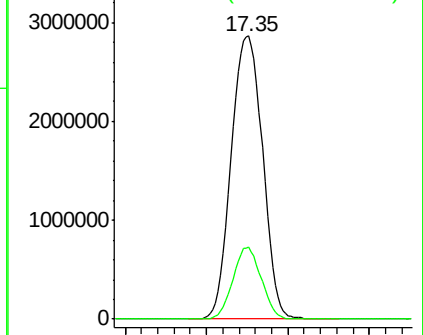
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.926 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

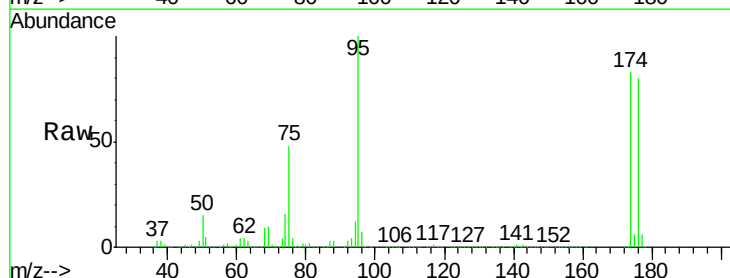
Tgt Ion: 95 Resp: 3238175

Ion Ratio Lower Upper

95 100

174 83.6 69.6 104.4

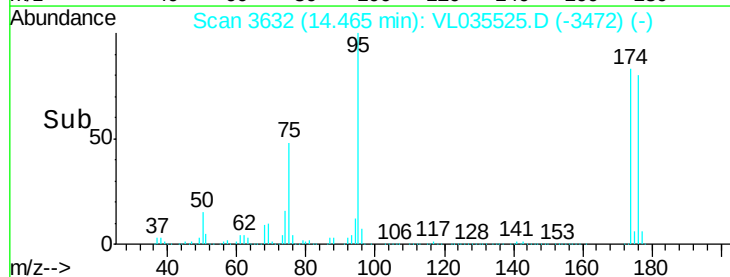
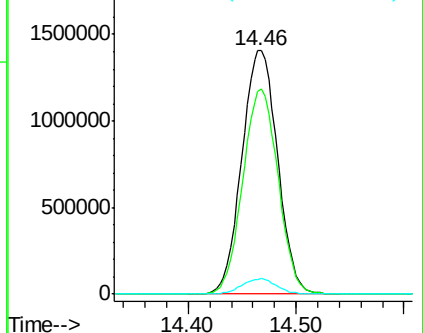
175 6.1 5.1 7.7

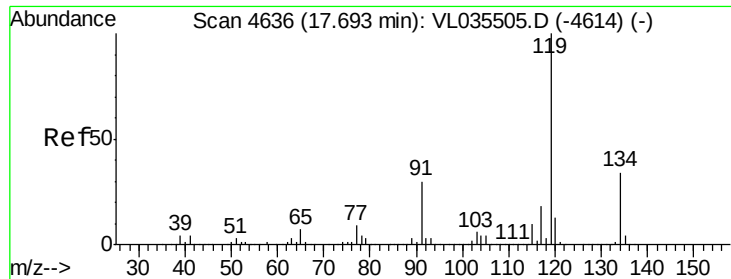


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





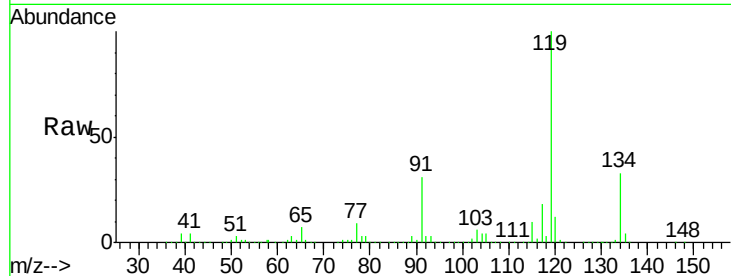
#69
 p-Isopropyltoluene
 Concen: 9.675 ppbv
 RT: 17.71 min Scan# 4641
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

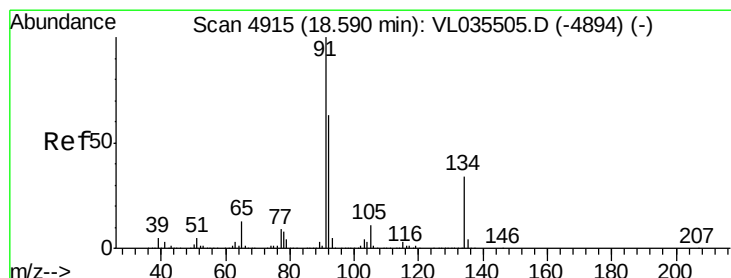
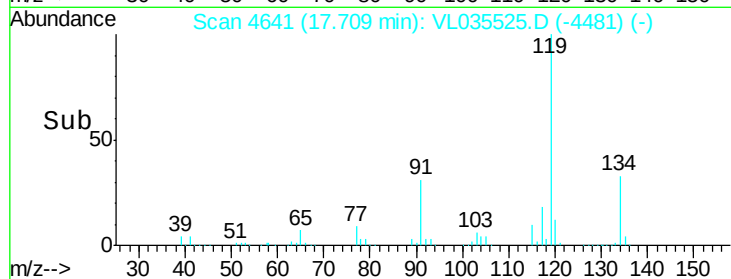
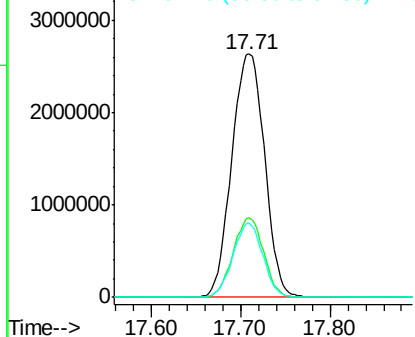
Tot Ion: 119 Resp: 6730909
 Ion Ratio Lower Upper
 119 100
 134 30.5 25.0 37.4
 91 27.9 22.3 33.5

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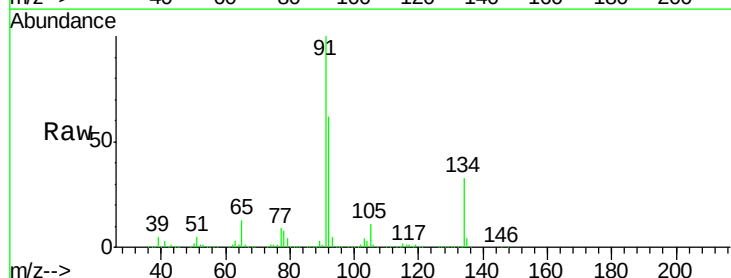


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

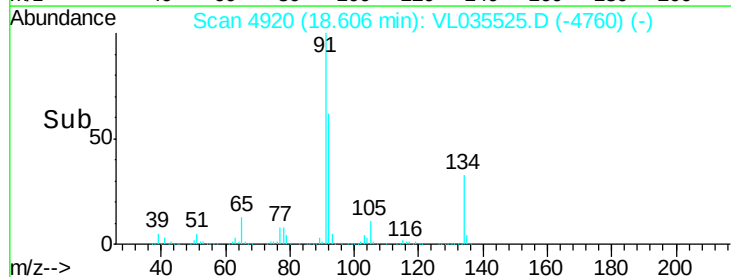
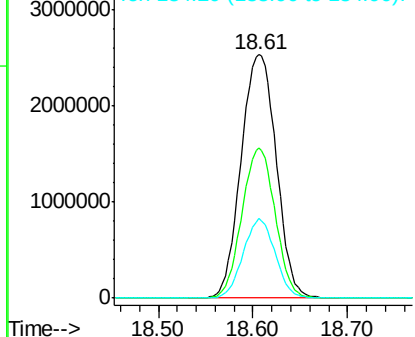


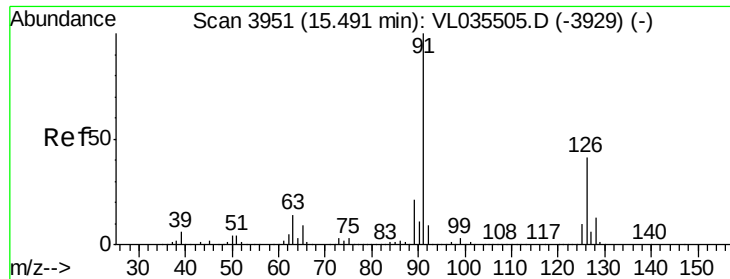
#70
 n-Butylbenzene
 Concen: 9.755 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 6537473
 Ion Ratio Lower Upper
 91 100
 92 58.4 47.3 70.9
 134 29.7 24.6 37.0



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





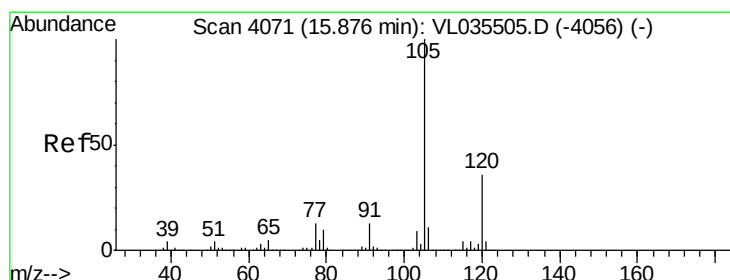
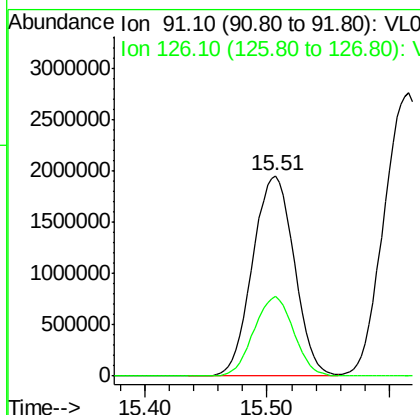
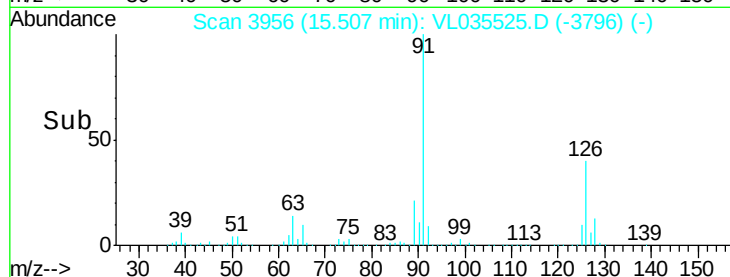
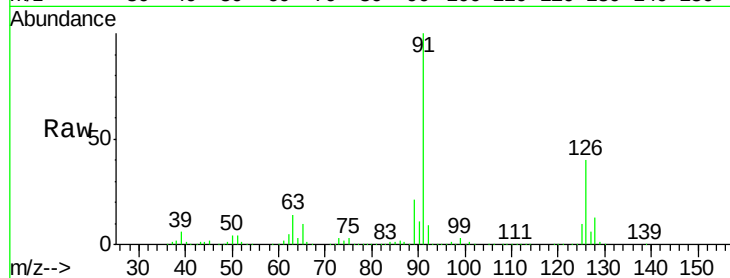
#71
 2-Chlorotoluene
 Concen: 9.936 ppbv
 RT: 15.51 min Scan# 3956
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4633989
 Ion Ratio Lower Upper
 91 100
 126 38.2 15.6 62.6

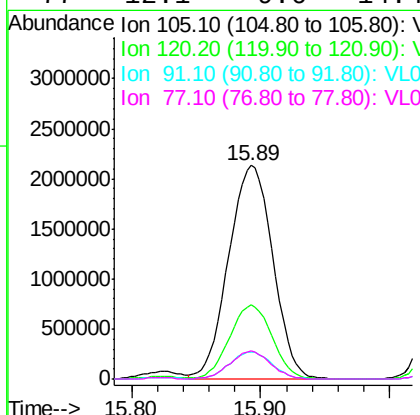
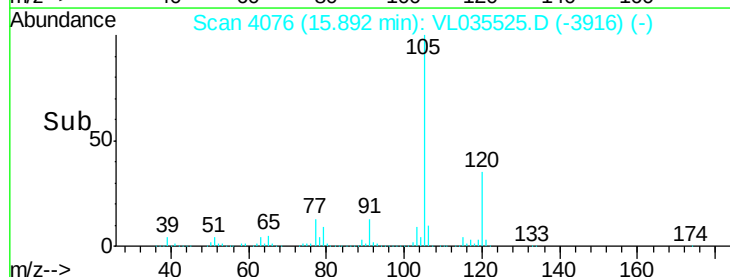
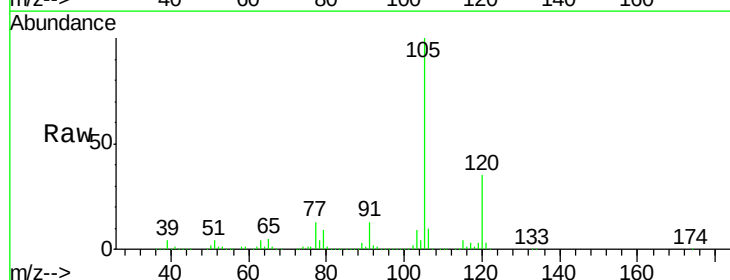
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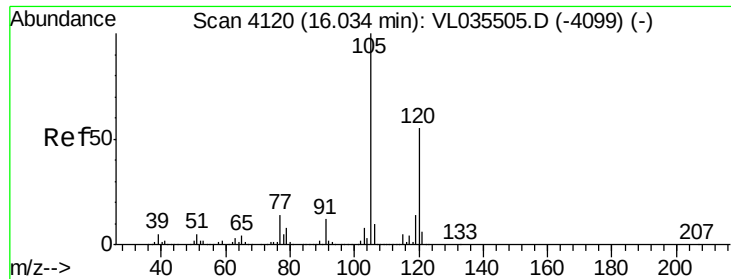
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#72
 4-Ethyltoluene
 Concen: 10.022 ppbv
 RT: 15.89 min Scan# 4076
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:105 Resp: 5079613
 Ion Ratio Lower Upper
 105 100
 120 33.6 27.4 41.2
 91 12.1 9.7 14.5
 77 12.1 9.6 14.4





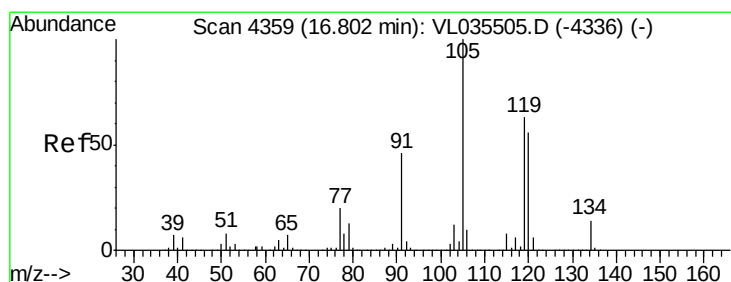
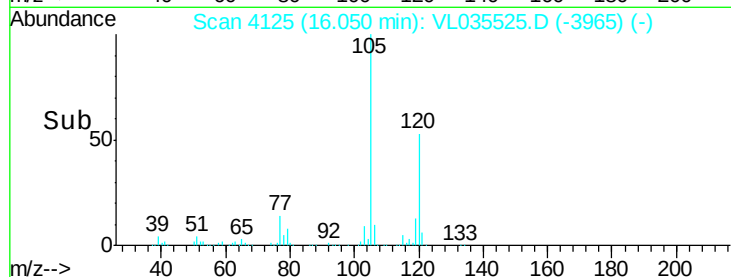
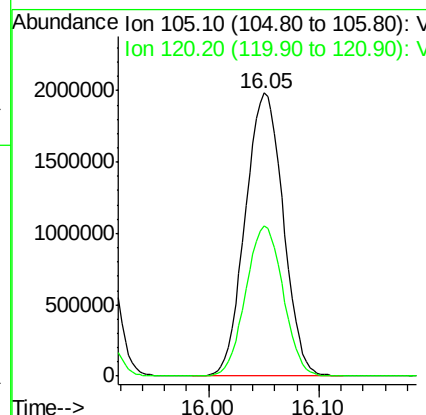
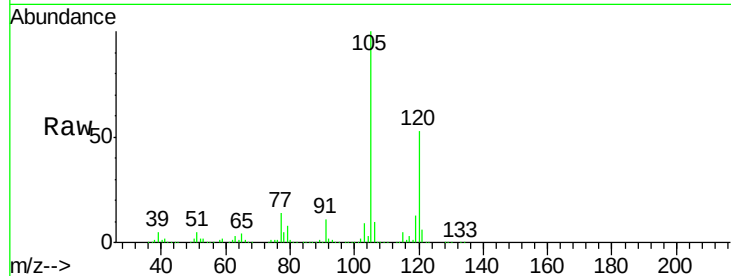
#73
 1,3,5-Trimethylbenzene
 Concen: 10.068 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4719975
 Ion Ratio Lower Upper
 105 100
 120 53.1 44.2 66.2

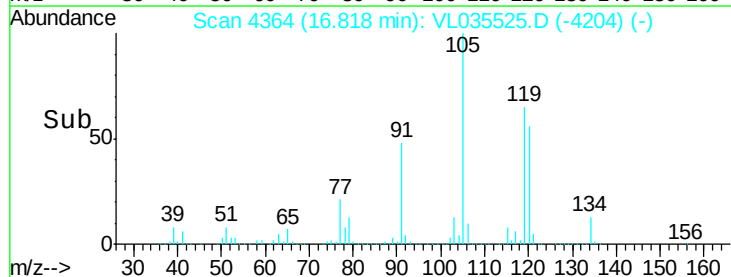
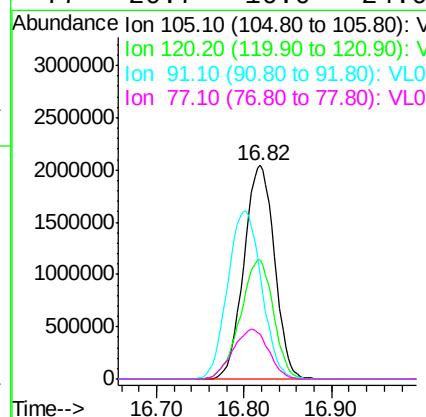
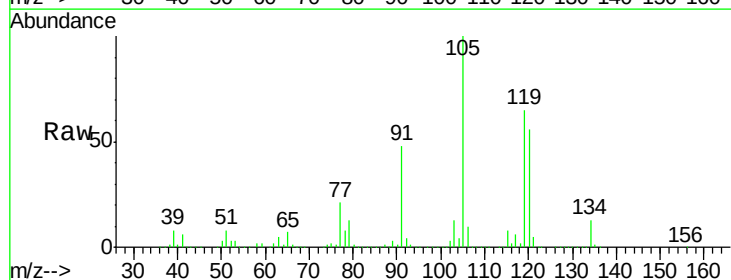
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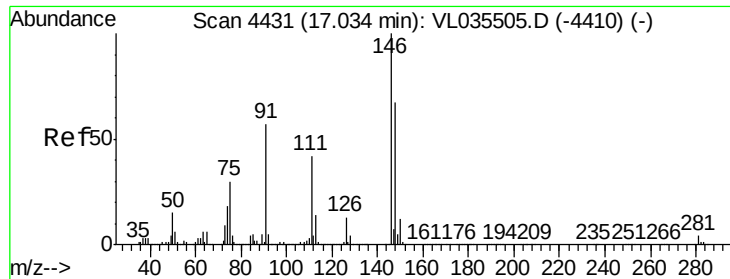
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.626 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:105 Resp: 4955551
 Ion Ratio Lower Upper
 105 100
 120 55.6 44.4 66.6
 91 48.4 37.1 55.7
 77 20.7 16.0 24.0





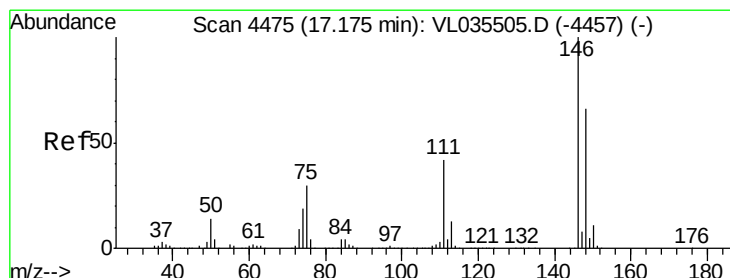
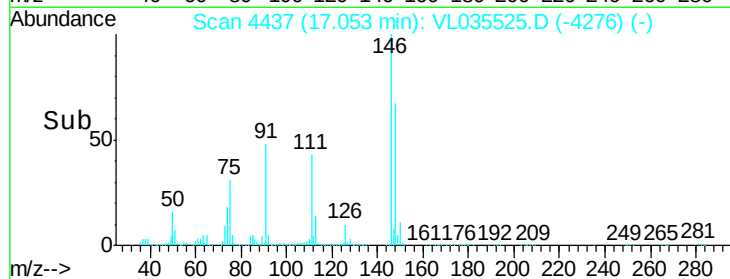
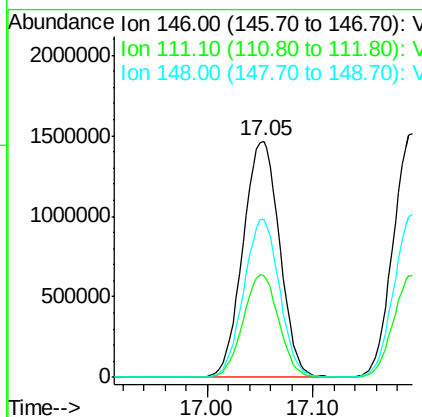
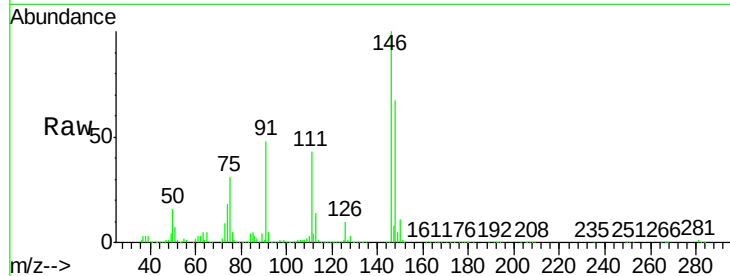
#75
 1,3-Dichlorobenzene
 Concen: 9.303 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.7	62.1
148	65.4	33.0	98.9

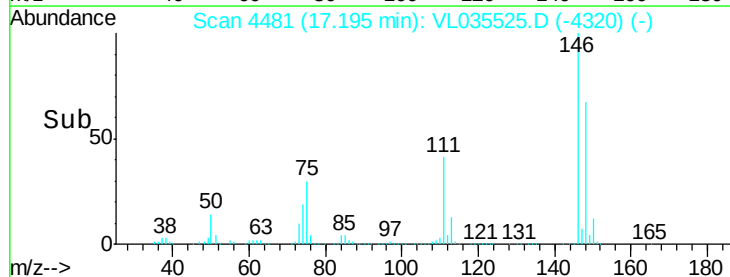
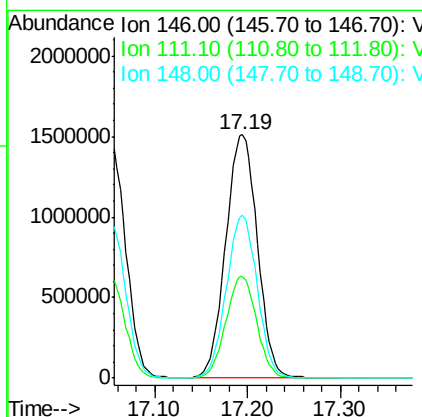
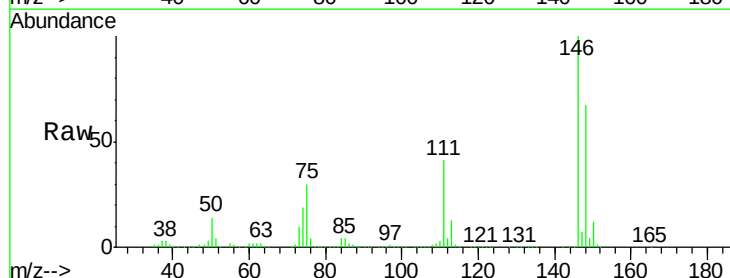
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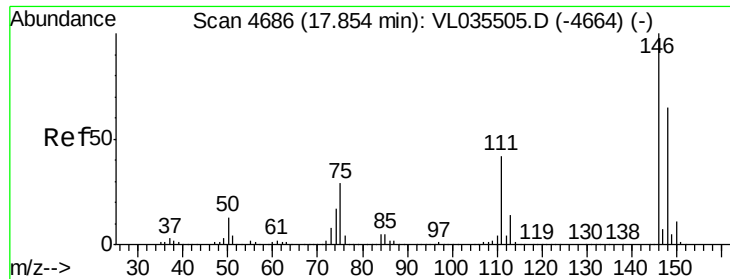
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#76
 1,4-Dichlorobenzene
 Concen: 9.516 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	65.4	33.2	99.6





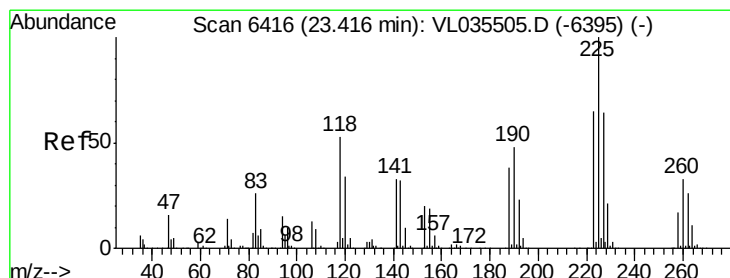
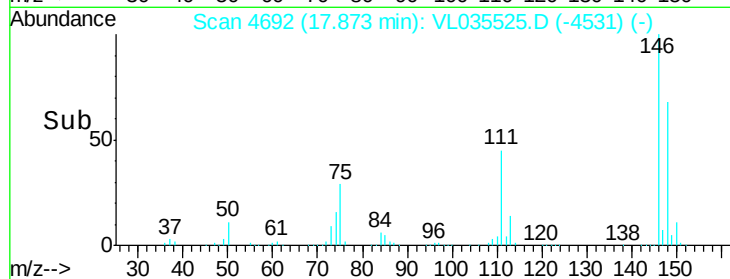
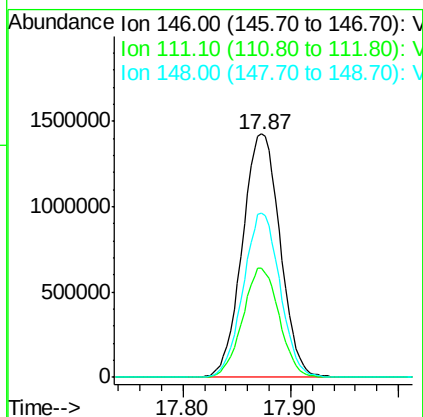
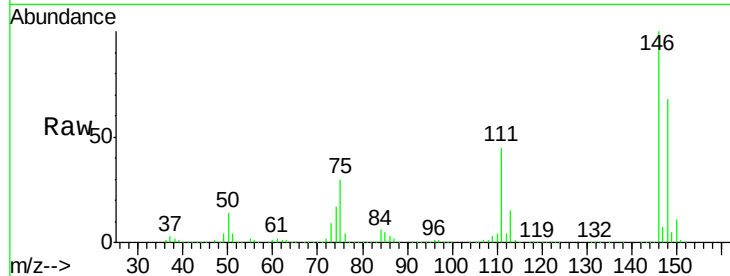
#77
 1,2-Dichlorobenzene
 Concen: 9.384 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.3
148	65.9	32.9	98.7

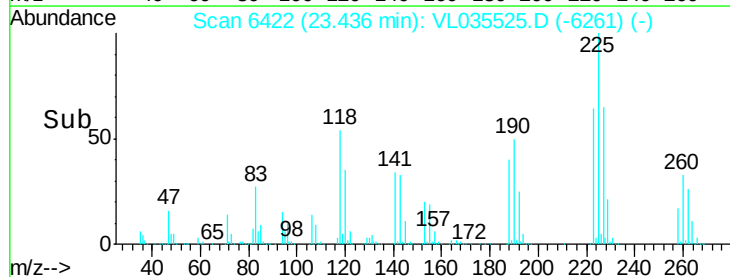
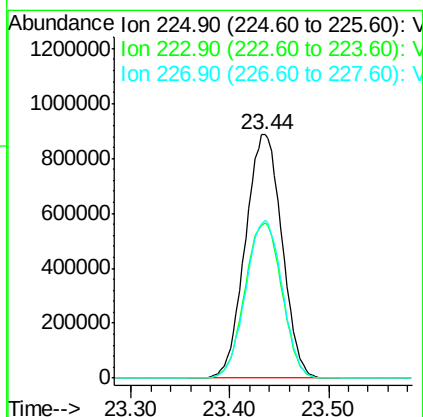
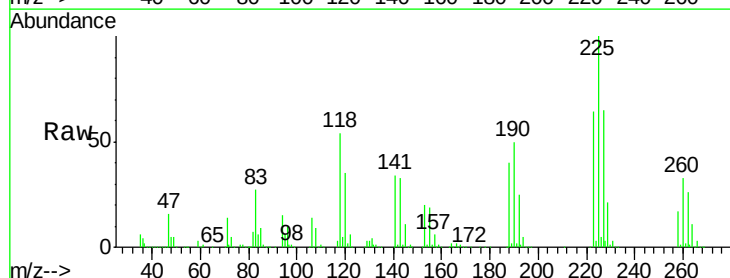
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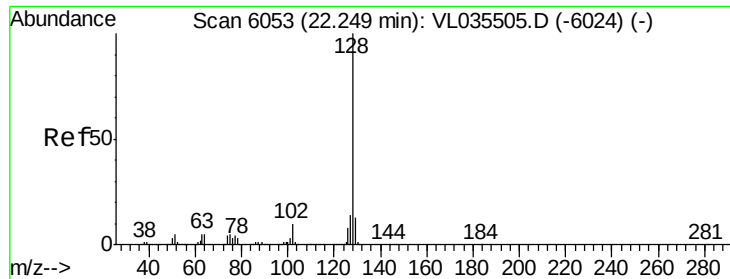
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.630 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.7	77.5
227	64.5	51.5	77.3





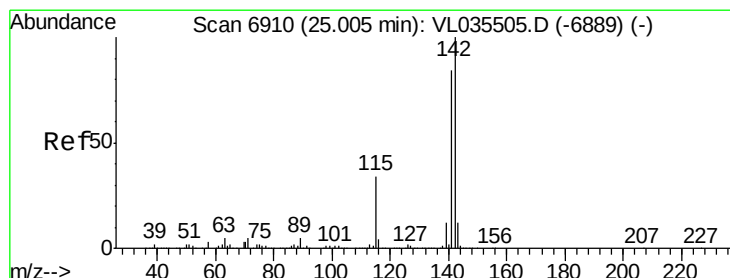
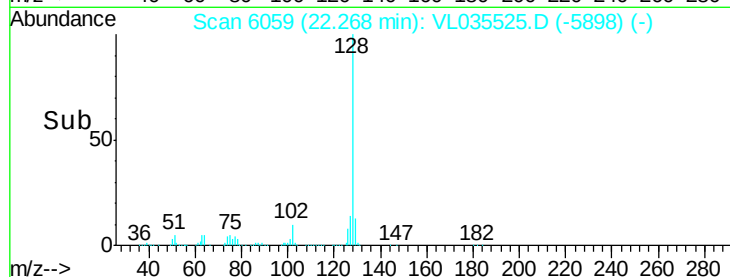
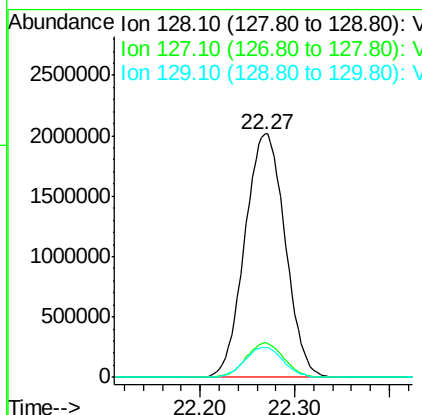
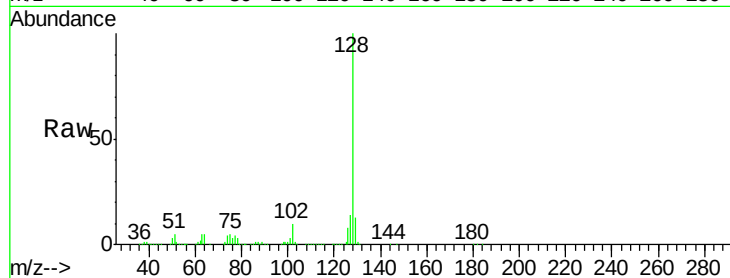
#79
Naphthalene
Concen: 10.443 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128 Resp: 5965463
Ion Ratio Lower Upper
128 100
127 14.2 11.4 17.2
129 12.5 10.5 15.7

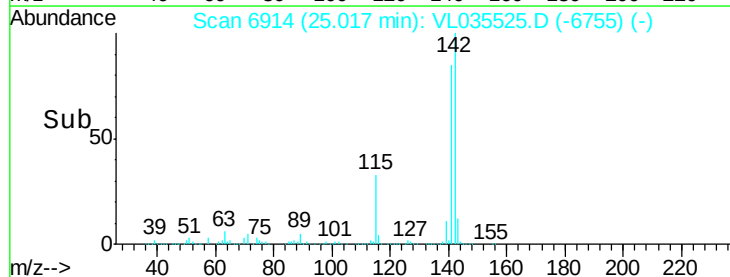
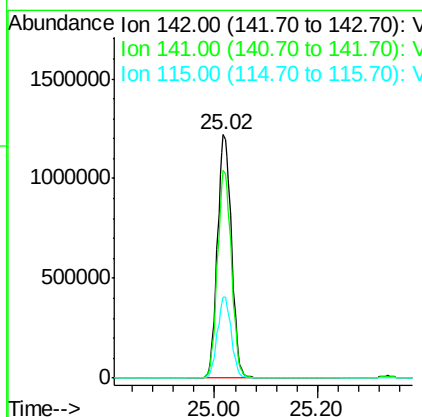
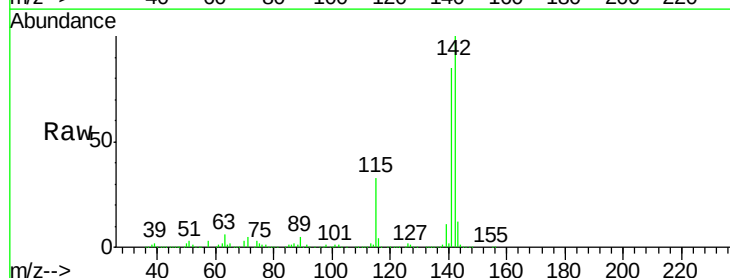
Manual Integrations
APPROVED

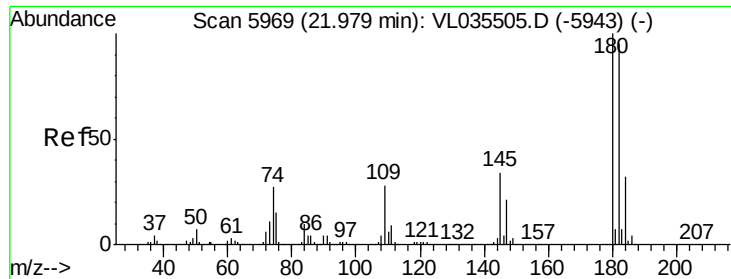
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8/28/2020 3:17:51 PM



#80
Naphthalene, 2-methyl-
Concen: 11.836 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion:142 Resp: 2307691
Ion Ratio Lower Upper
142 100
141 85.0 67.6 101.4
115 32.8 25.8 38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.950 ppbv
 RT: 22.00 min Scan# 5974
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
184	31.4	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
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