

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081220\
 Data File : VL035392.D
 Acq On : 12 Aug 2020 22:55
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:44:08 PM

Quant Time: Aug 13 11:43:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 13 11:43:19 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1395797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3324418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3269577m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2709614	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1547309	9.205	ppbv	98
3) Chlorodifluoromethane	2.98	51	1486116	9.158	ppbv	97
4) Chloromethane	3.13	50	817172	9.011	ppbv	100
5) Vinyl Chloride	3.25	62	792411	8.840	ppbv	100
6) Bromomethane	3.47	94	464692	9.349	ppbv	94
7) Chloroethane	3.55	64	284710	9.005	ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	1736849	8.901	ppbv	98
9) Propene	3.00	41	715553	8.512	ppbv	100
10) Heptane	8.13	43	1881213	8.639	ppbv	100
11) Trichlorofluoromethane	3.95	101	1861629	9.132	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1242598	8.957	ppbv	97
13) Ethanol	3.60	45	180256	6.539	ppbv	98
14) Bromoethene	3.74	108	570180	9.199	ppbv	98
15) Acetone	3.85	43	1402545	7.978	ppbv	99
16) 1,3-Butadiene	3.32	39	749299	8.301	ppbv	99
17) tert-Butyl alcohol	4.29	59	1811103	8.832	ppbv	100
18) 1,1-Dichloroethene	4.29	96	583939	9.188	ppbv	98
19) Isopropyl Alcohol	3.97	45	1195880	8.717	ppbv	100
20) Methylene Chloride	4.34	84	510692	7.693	ppbv	97
21) Allyl Chloride	4.41	41	1015663	8.799	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	594386	9.310	ppbv	94
23) Vinyl Acetate	5.08	43	2423550	8.635	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1650868	8.932	ppbv	100
25) Ethyl Acetate	5.68	43	3053188	8.414	ppbv	99
26) Hexane	5.69	57	1340459	8.442	ppbv	99
27) Carbon Disulfide	4.55	76	1545701	9.118	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2274757	8.677	ppbv	99
29) Chloroform	5.76	83	2080709	9.182	ppbv	98
30) Cyclohexane	7.14	84	1162745	8.884	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1434301	9.110	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2110282	8.537	ppbv	100
34) 2-Butanone	5.25	43	2080259	8.781	ppbv	99
35) Carbon Tetrachloride	7.03	117	2071242	8.963	ppbv	99
36) Benzene	6.90	78	2821693	8.851	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1656856	9.363	ppbv	99
38) Trichloroethene	7.84	130	996708	7.978	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1122634	8.893	ppbv	95
40) 1,4-Dioxane	7.84	88	454059	8.832	ppbv	93
41) Tetrahydrofuran	6.05	42	1238564	8.763	ppbv	98
42) Bromodichloromethane	7.80	83	2295941	9.211	ppbv	98
43) Methyl Methacrylate	8.02	69	1279194	9.045	ppbv	99

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Quant Time: Aug 13 11:43:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 13 2020
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	4659971	8.497	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1547547	9.431	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1756402	9.164	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1158889	9.052	ppbv	97
48) Dibromochloromethane	10.32	129	1873304	9.154	ppbv	99
49) Bromoform	13.06	173	1575212	9.390	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3087461	8.647	ppbv	100
51) 2-Hexanone	10.15	43	2637528	8.774	ppbv #	99
52) Tetrachloroethene	11.24	164	908713	8.039	ppbv	98
53) Toluene	9.82	91	3291818	8.699	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1818606	8.969	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1406952	8.856	ppbv	97
57) Chlorobenzene	12.17	112	2385599	8.559	ppbv	97
58) Ethyl Benzene	12.73	91	4473804	8.657	ppbv	98
59) m/p-Xylene	13.02	91	7187397m	16.679	ppbv	
60) o-Xylene	13.72	91	3551235	8.510	ppbv	99
61) Styrene	13.55	104	2708438	8.792	ppbv	99
62) Isopropylbenzene	14.69	105	5300441	8.468	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2502893	8.223	ppbv	99
64) n-propylbenzene	15.59	120	1419518	8.597	ppbv	94
65) tert-Butylbenzene	16.77	119	4545793	8.250	ppbv	98
66) Benzyl Chloride	17.01	91	2119654	8.517	ppbv	99
67) sec-Butylbenzene	17.32	105	6604918	8.315	ppbv	99
69) p-Isopropyltoluene	17.68	119	5514657	8.329	ppbv	99
70) n-Butylbenzene	18.57	91	6163317	8.407	ppbv	99
71) 2-Chlorotoluene	15.48	91	4375479	8.684	ppbv	98
72) 4-Ethyltoluene	15.86	105	4355069	8.550	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4136017	8.660	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4133370	8.229	ppbv	94
75) 1,3-Dichlorobenzene	17.02	146	2282945	8.329	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2389202	8.486	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2328898	8.427	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1798237	7.891	ppbv	99
79) Naphthalene	22.23	128	5033026	8.046	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2288358	7.855	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2356737	7.959	ppbv	99

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

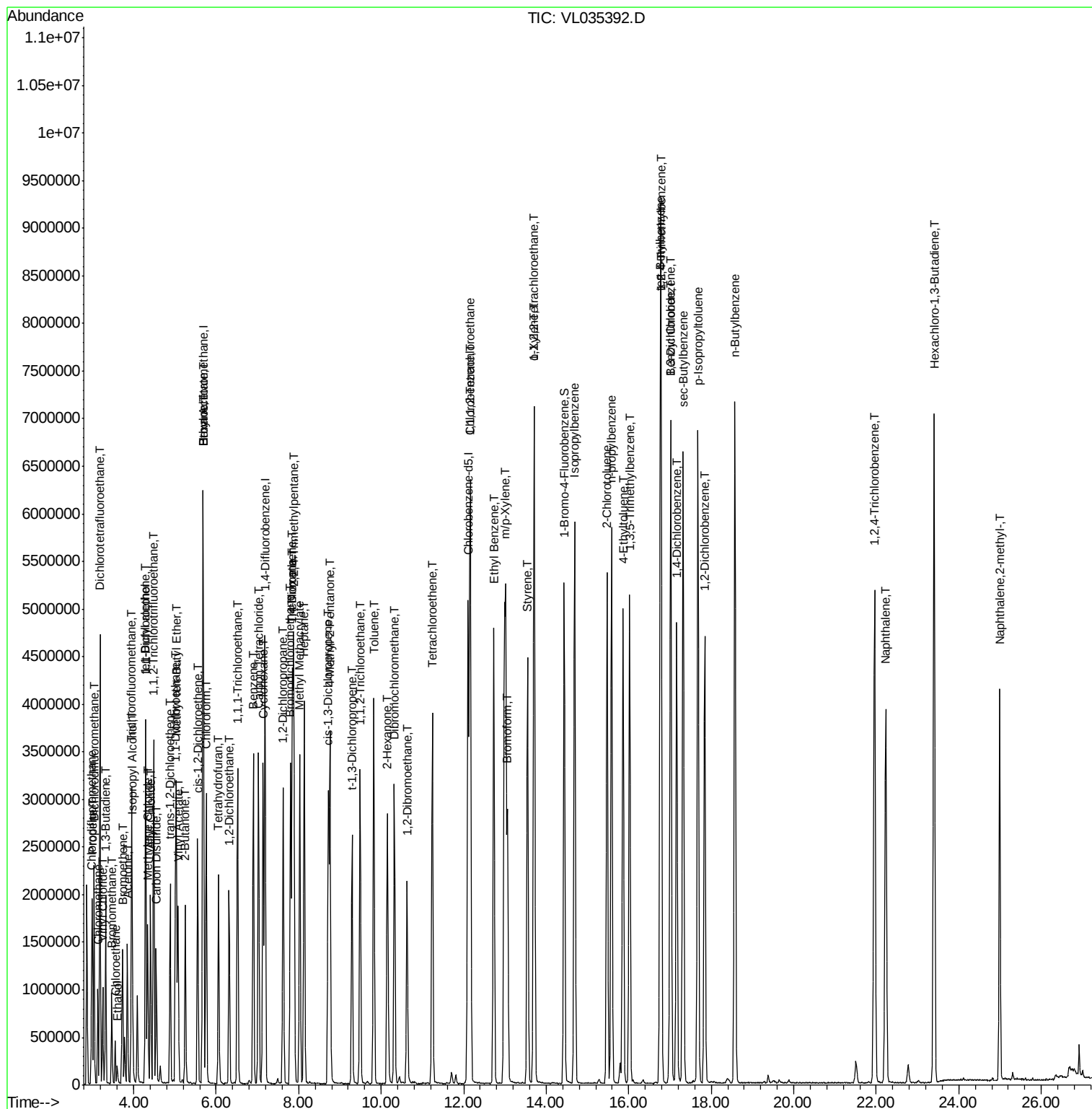
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081220\
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Operator : SY/AP
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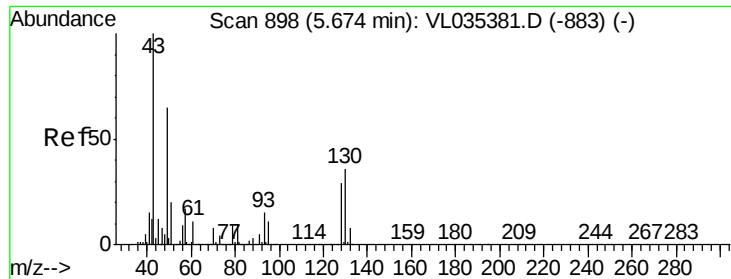
Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 49 Resp: 1395797

Ion Ratio Lower Upper

49 100

128 42.8 21.8 65.3

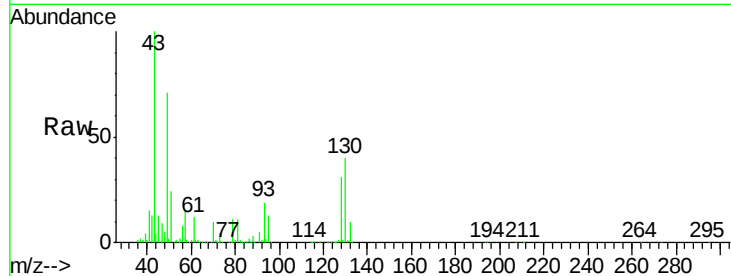
130 54.7 27.9 83.6

Manual Integrations

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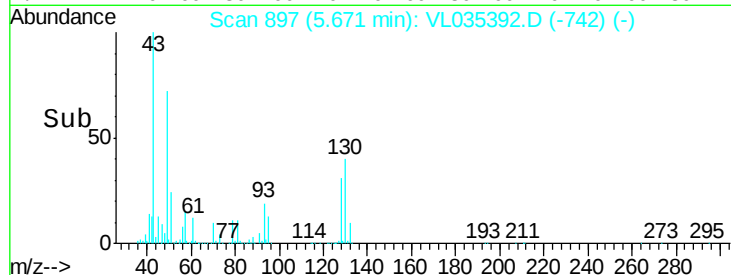
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

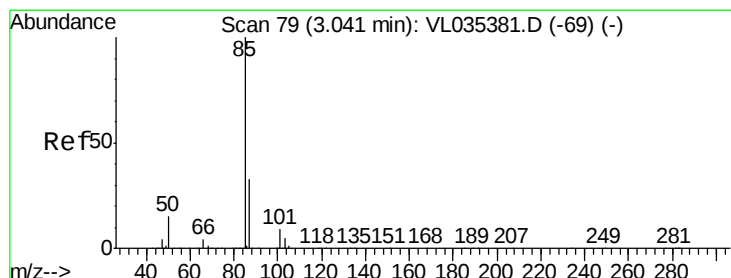
Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 9.205 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL035392.D

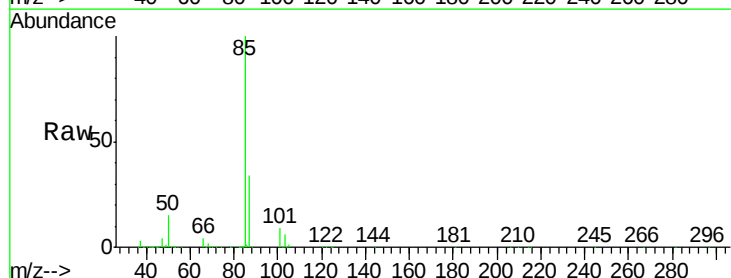
Acq: 12 Aug 2020 22:55

Tgt Ion: 85 Resp: 1547309

Ion Ratio Lower Upper

85 100

87 33.6 26.1 39.1

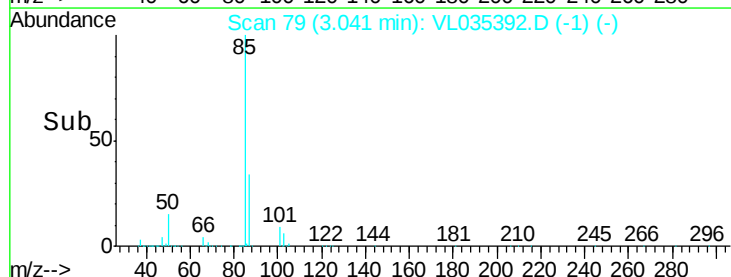


Abundance Ion 85.00 (84.70 to 85.70): VL0

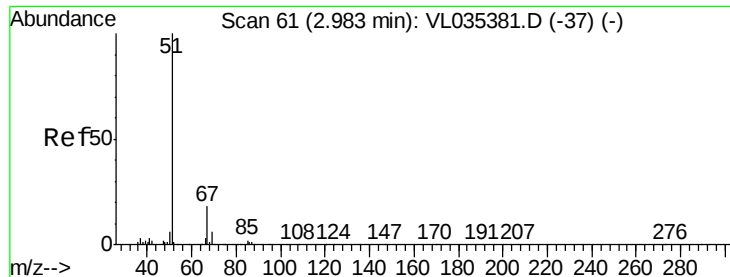
Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->



Time-->



#3

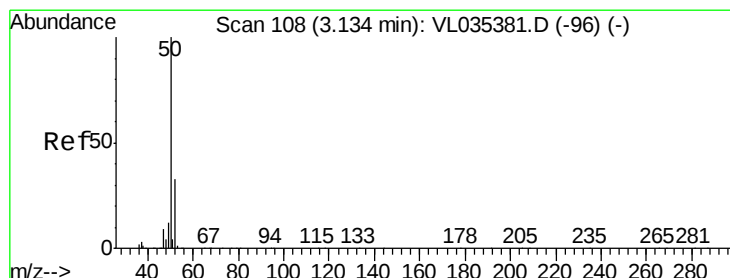
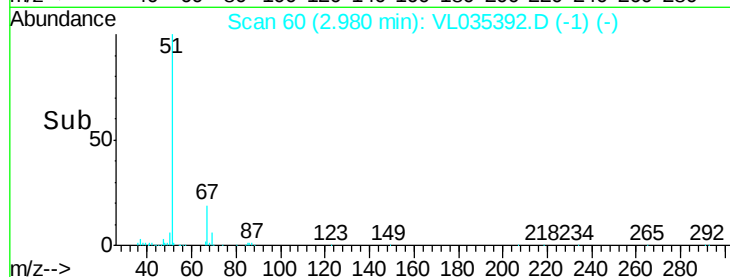
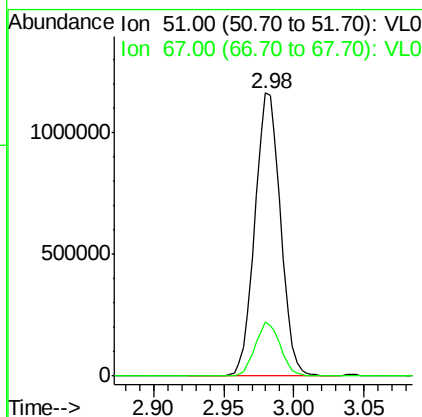
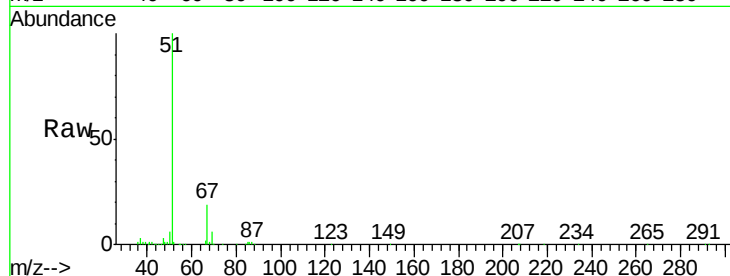
Chlorodifluoromethane
Concen: 9.158 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 51 Resp: 1486116
Ion Ratio Lower Upper
51 100
67 18.7 14.1 21.1

Manual Integrations
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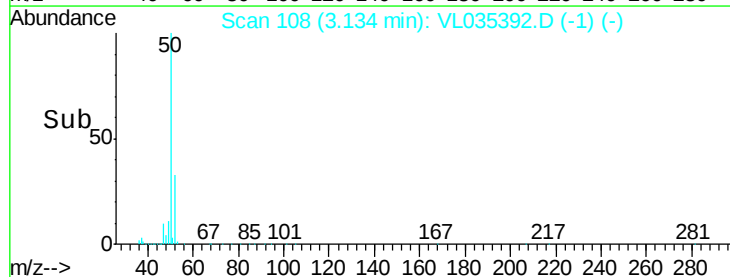
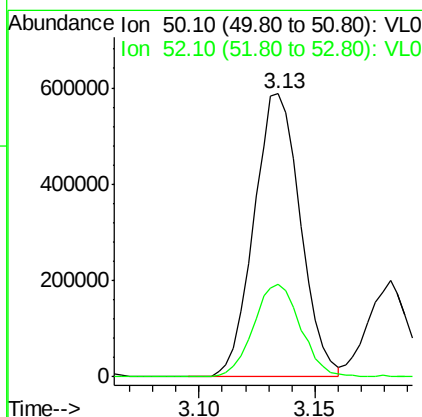
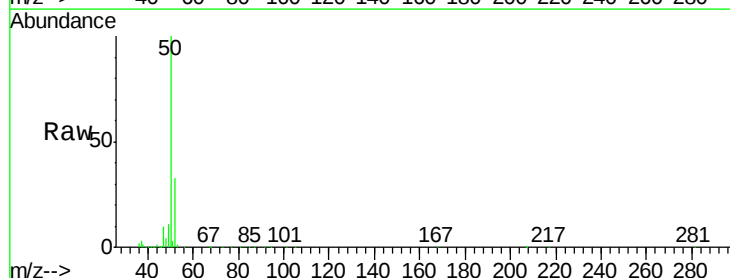
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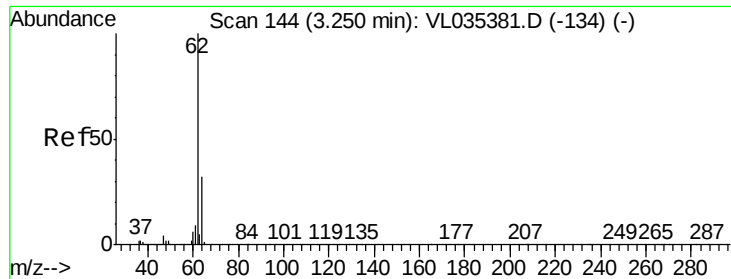


#4

Chloromethane
Concen: 9.011 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 50 Resp: 817172
Ion Ratio Lower Upper
50 100
52 32.9 26.6 39.8





#5

Vinyl Chloride

Concen: 8.840 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 62 Resp: 792411

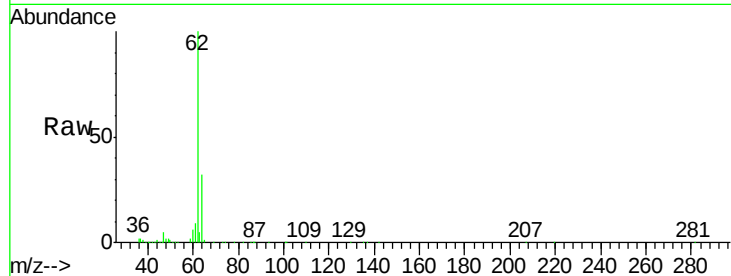
Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5

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

3.25

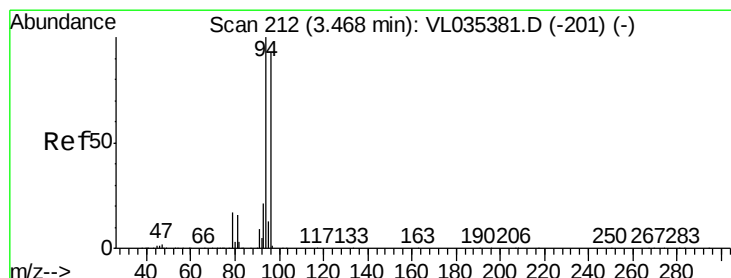
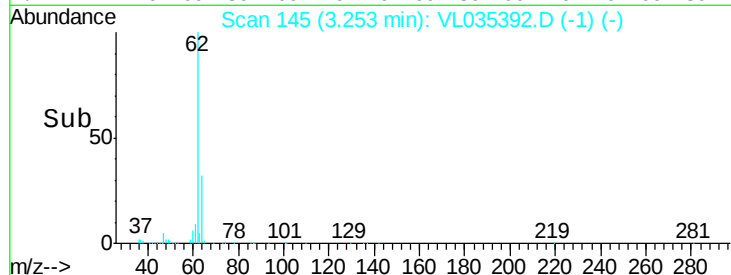
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.349 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035392.D

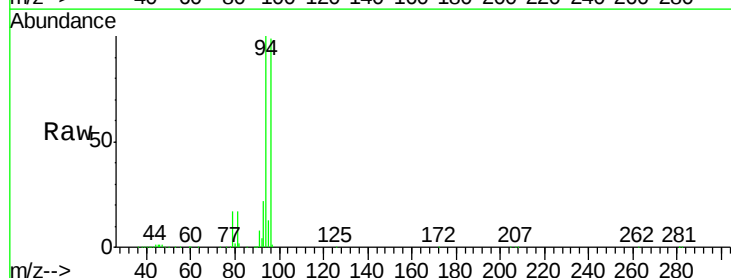
Acq: 12 Aug 2020 22:55

Tgt Ion: 94 Resp: 464692

Ion Ratio Lower Upper

94 100

96 99.1 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

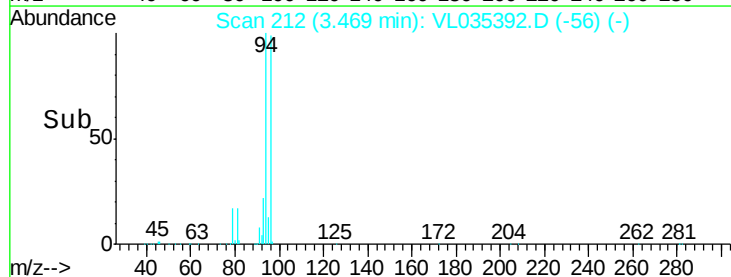
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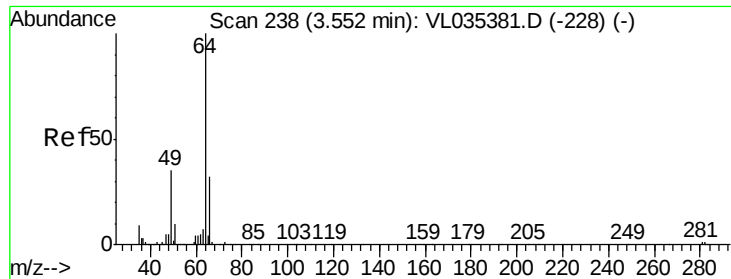
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.005 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 64 Resp: 284710

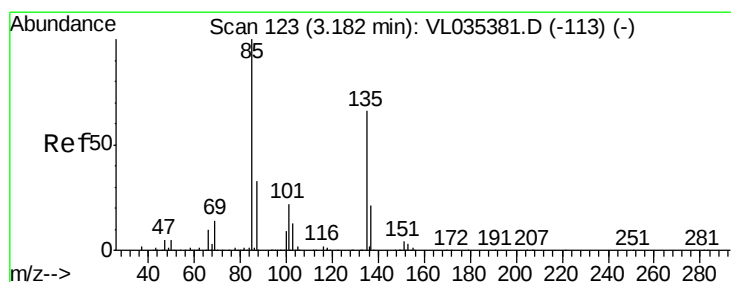
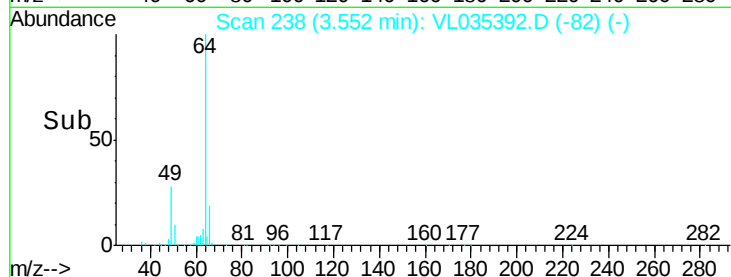
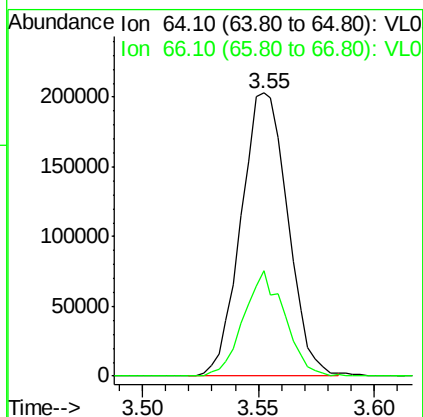
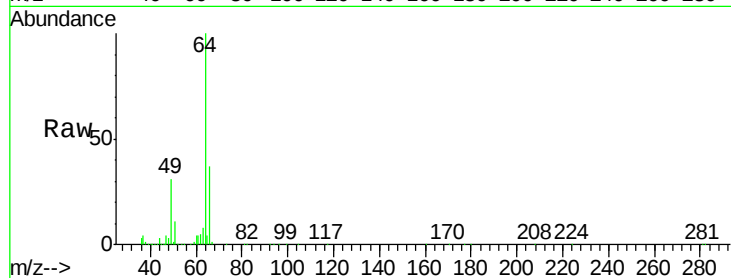
Ion Ratio Lower Upper

64 100

66 37.3 25.7 38.5

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.901 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035392.D

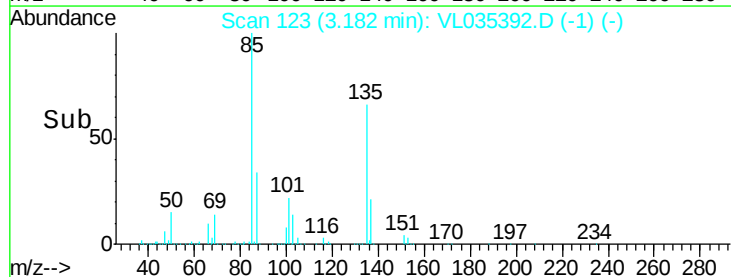
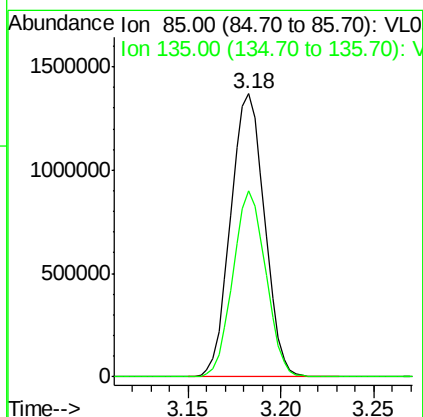
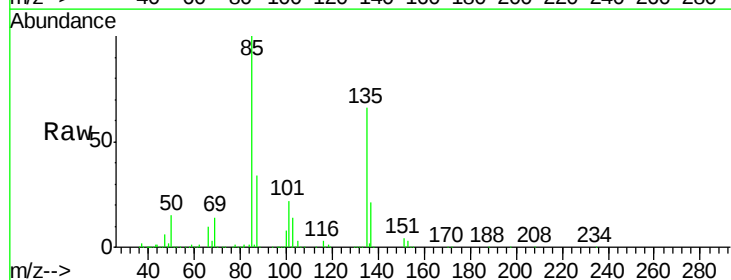
Acq: 12 Aug 2020 22:55

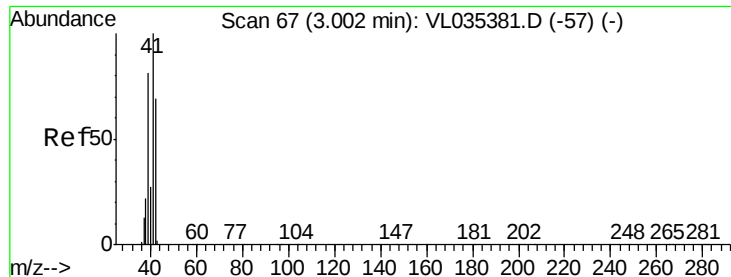
Tgt Ion: 85 Resp: 1736849

Ion Ratio Lower Upper

85 100

135 64.0 52.5 78.7





#9

Propene

Concen: 8.512 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 41 Resp: 715553

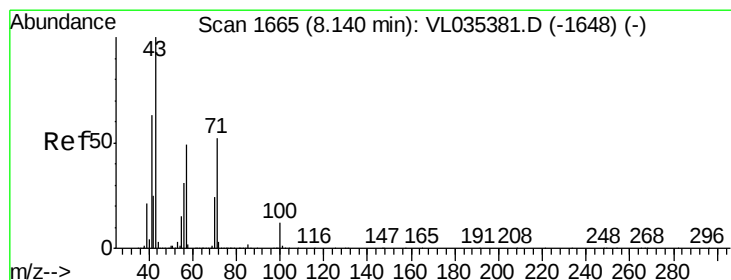
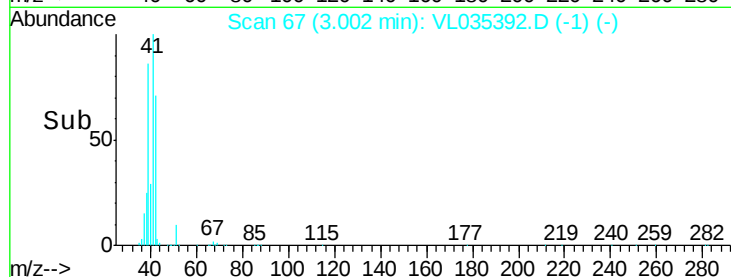
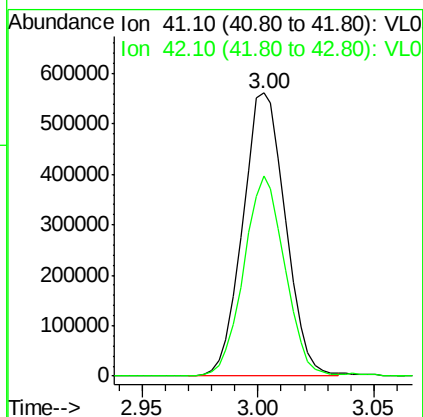
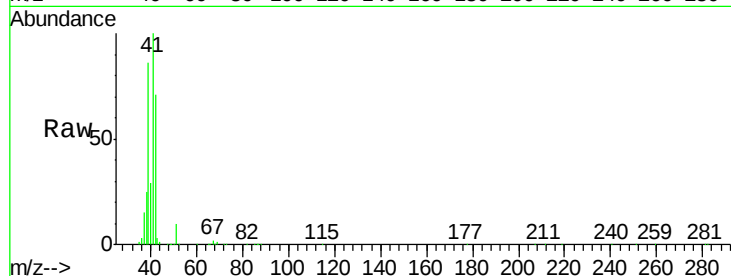
Ion Ratio Lower Upper

41 100

42 69.3 55.4 83.2

Manual Integrations
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#10

Heptane

Concen: 8.639 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VL035392.D

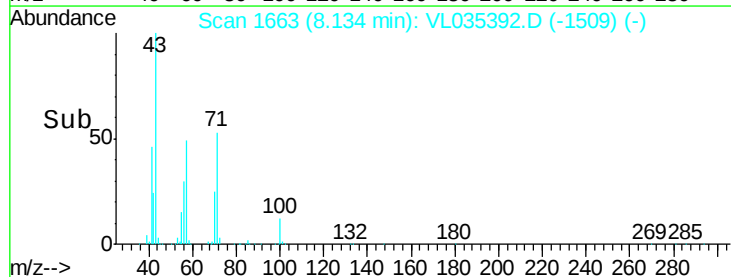
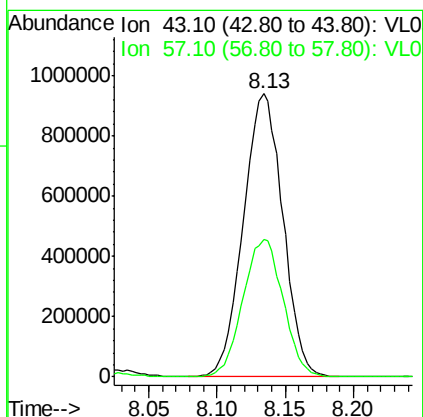
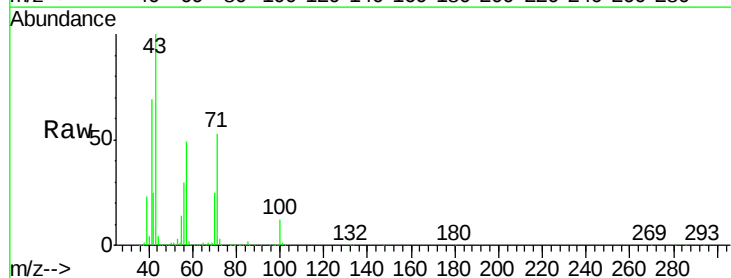
Acq: 12 Aug 2020 22:55

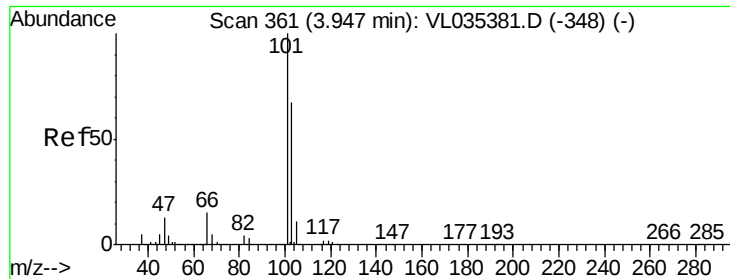
Tgt Ion: 43 Resp: 1881213

Ion Ratio Lower Upper

43 100

57 49.4 39.4 59.2





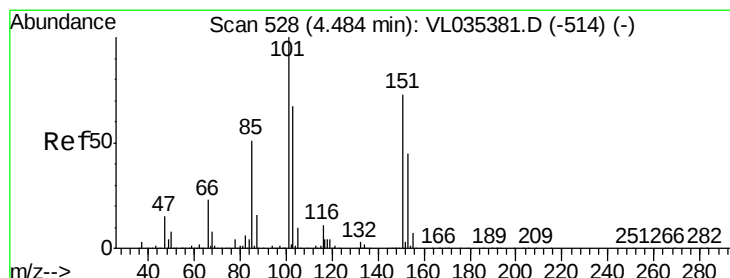
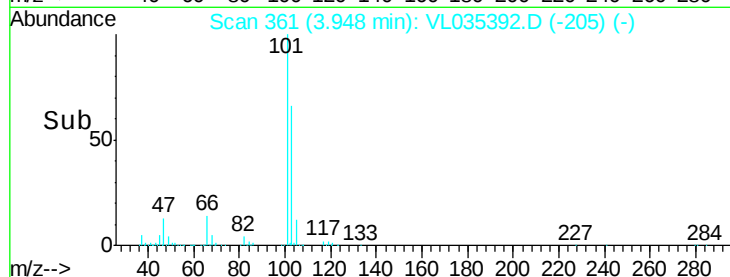
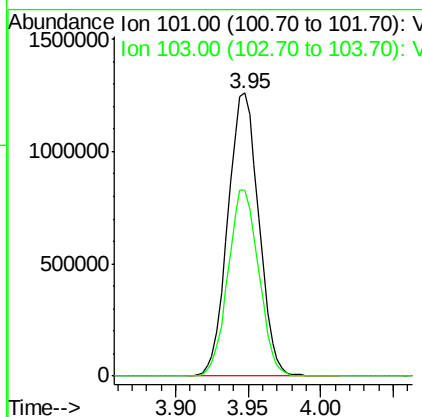
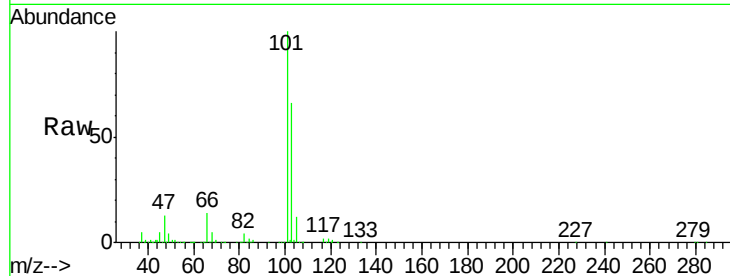
#11
 Trichlorofluoromethane
 Concen: 9.132 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion:101 Resp: 1861629
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.3 79.9

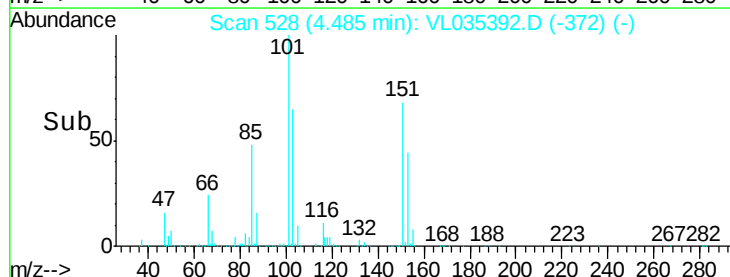
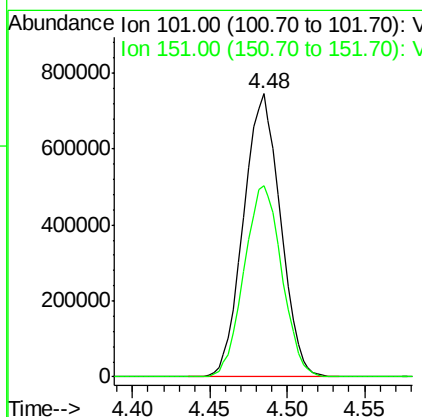
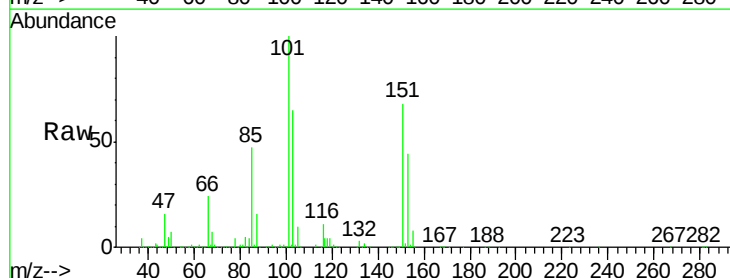
Manual Integrations
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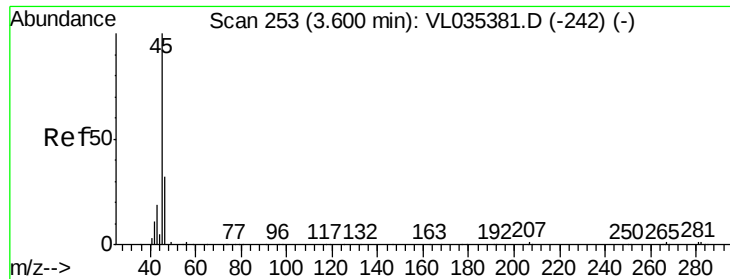
MMDadoda
 8/17/2020 5:44:08 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.957 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion:101 Resp: 1242598
 Ion Ratio Lower Upper
 101 100
 151 68.9 57.0 85.6





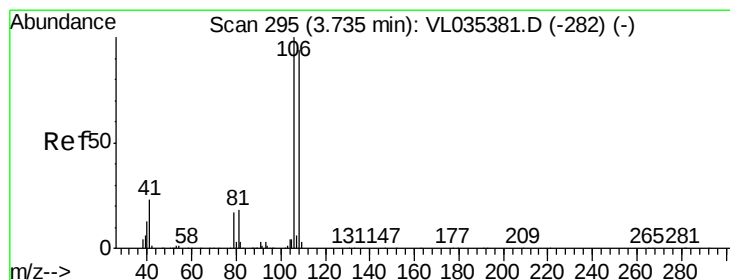
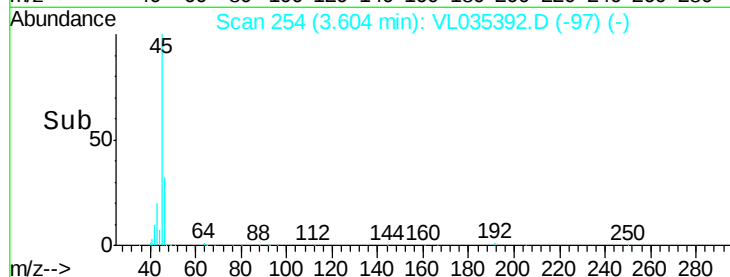
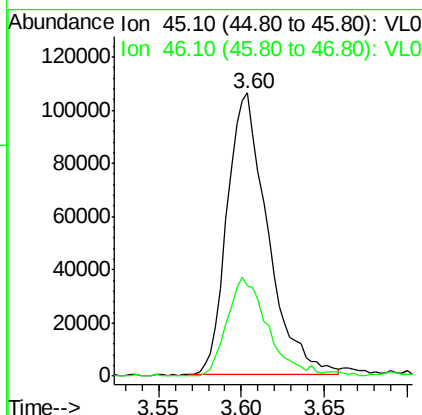
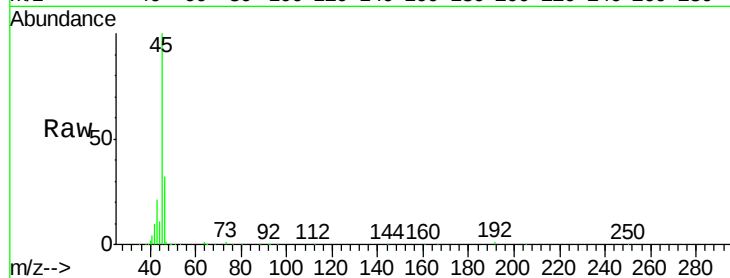
#13
Ethanol
Concen: 6.539 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.1	56.3

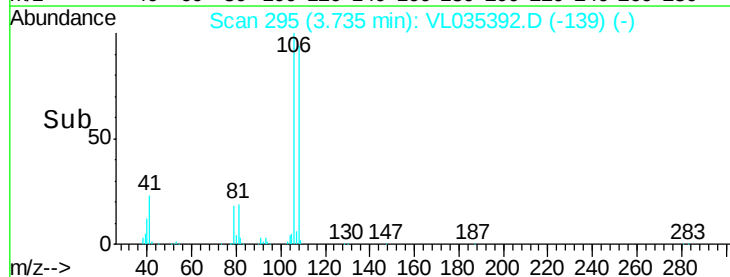
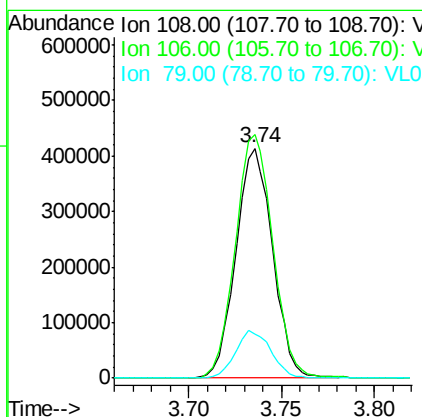
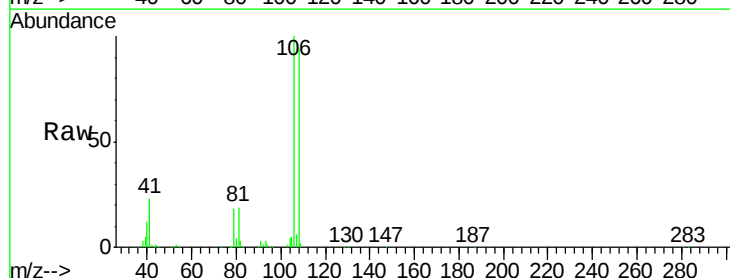
Manual Integrations
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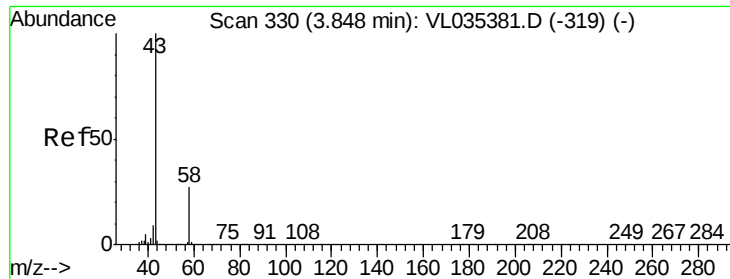
MMDadoda
8/17/2020 5:44:08 PM



#14
Bromoethene
Concen: 9.199 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.8	84.9	127.3
79	20.4	15.8	23.8





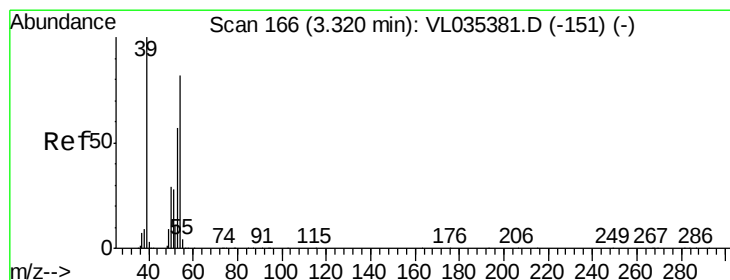
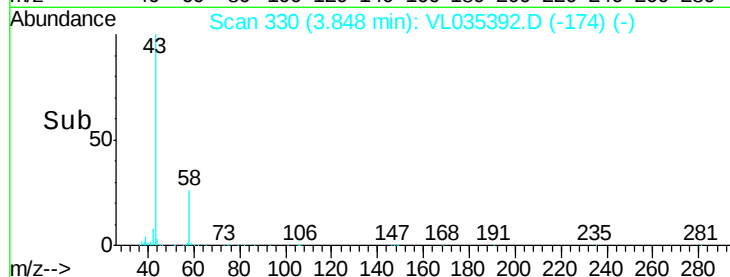
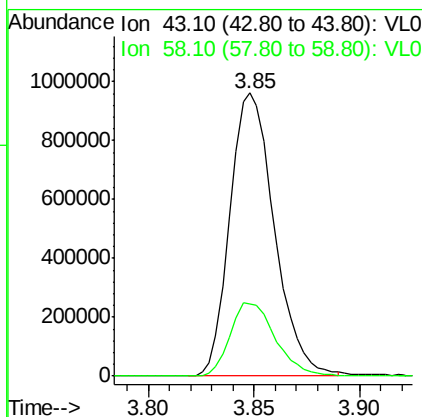
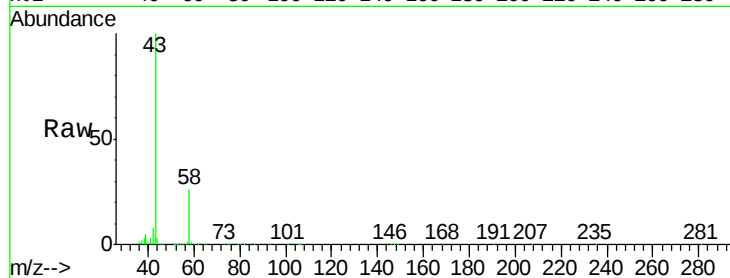
#15
Acetone
Concen: 7.978 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 43 Resp: 1402545
Ion Ratio Lower Upper
43 100
58 26.6 21.7 32.5

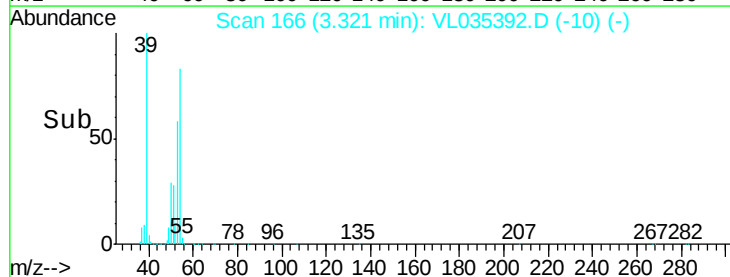
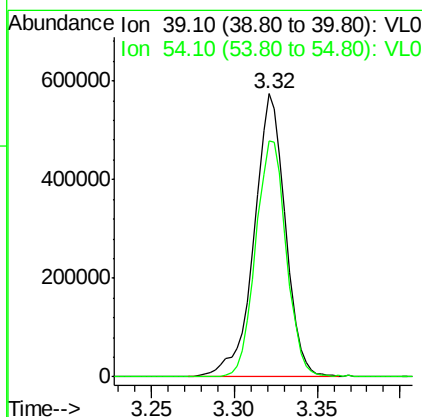
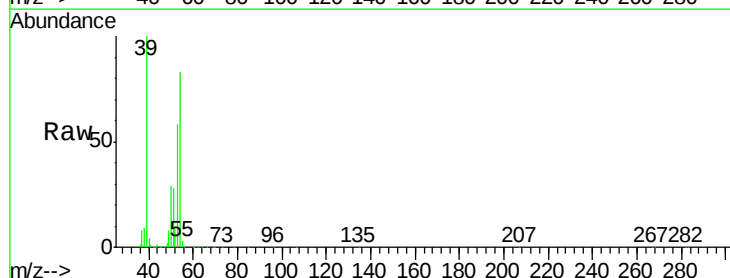
Manual Integrations
APPROVED

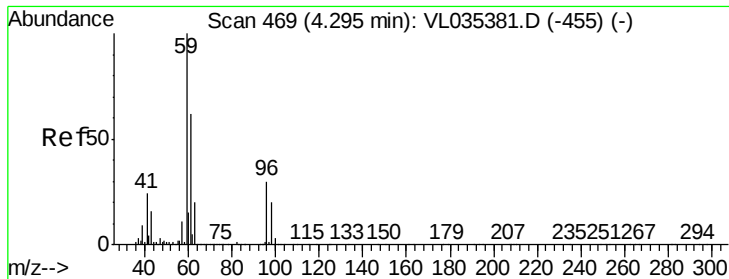
MMDadoda
8/17/2020 5:44:08 PM



#16
1,3-Butadiene
Concen: 8.301 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 39 Resp: 749299
Ion Ratio Lower Upper
39 100
54 82.0 64.9 97.3





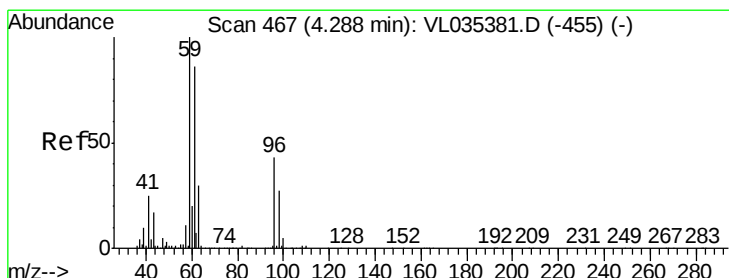
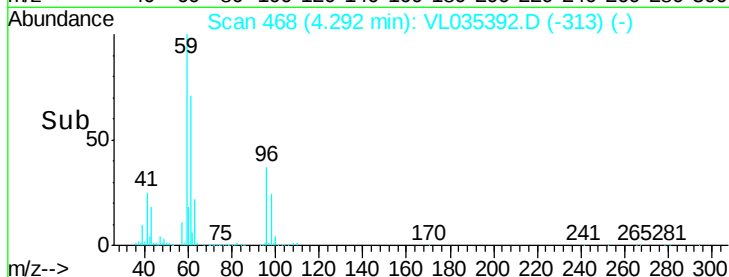
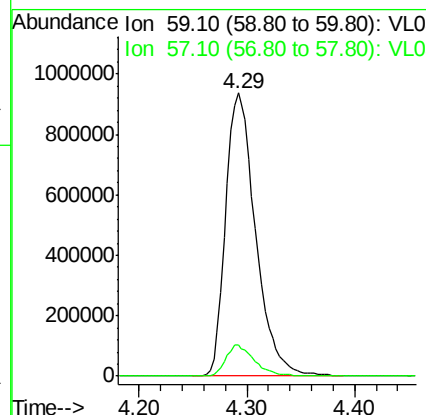
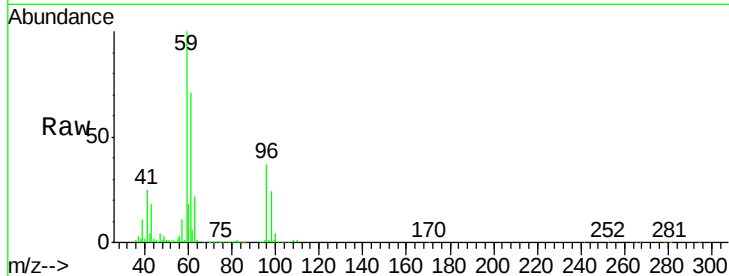
#17
tert-Butyl alcohol
Concen: 8.832 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleID :
VL0812ABS01

Tot Ion: 59 Resp: 1811103
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0

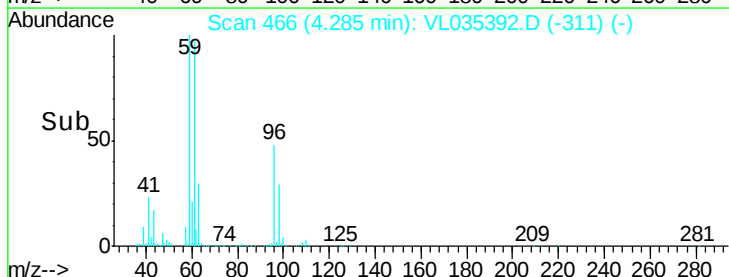
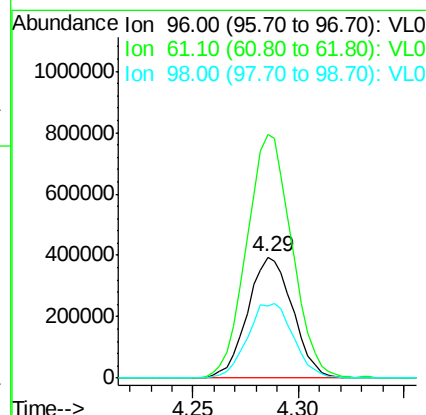
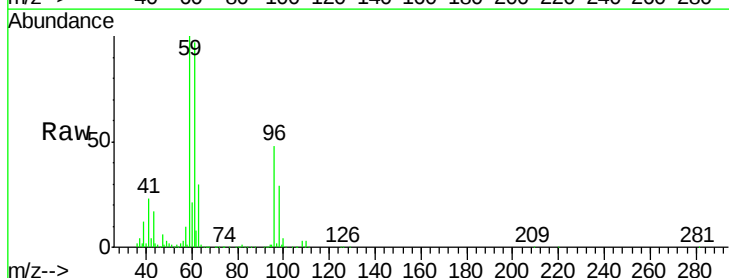
Manual Integrations
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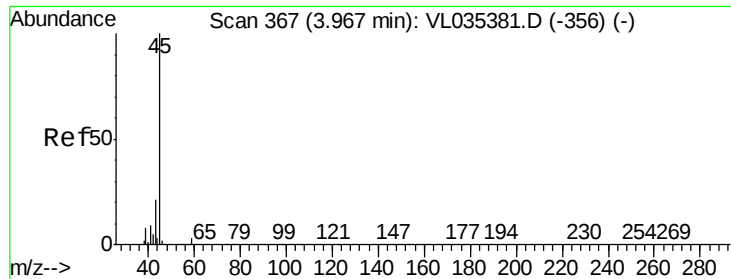
MMDadoda
8/17/2020 5:44:08 PM



#18
1,1-Dichloroethene
Concen: 9.188 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 96 Resp: 583939
Ion Ratio Lower Upper
96 100
61 201.3 159.0 238.4
98 60.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.717 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 45 Resp: 1195880

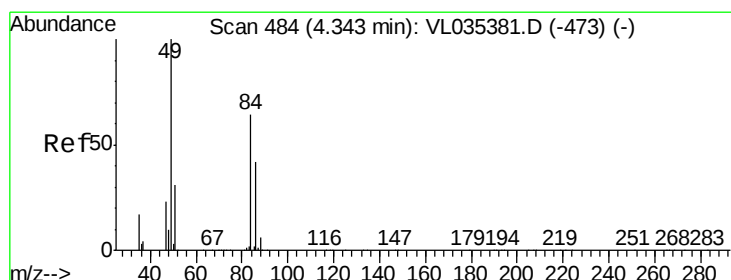
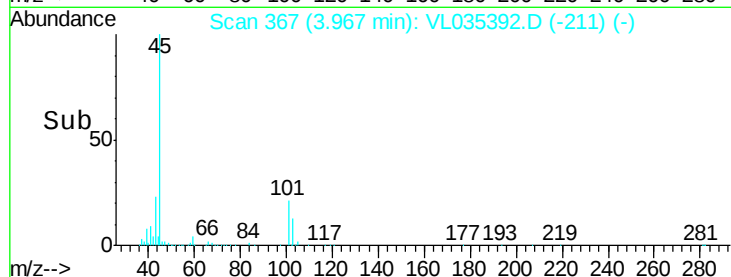
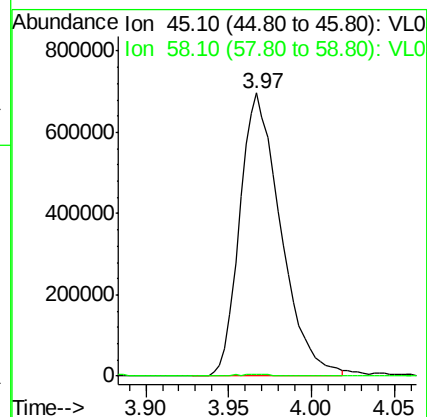
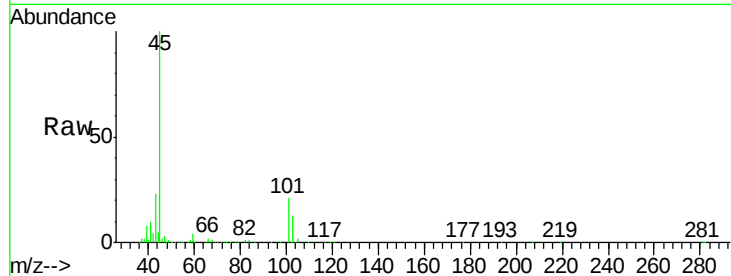
Ion Ratio Lower Upper

45 100

58 31.2 24.9 37.3

Manual Integrations
APPROVED

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8/17/2020 5:44:08 PM



#20

Methylene Chloride

Concen: 7.693 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion: 84 Resp: 510692

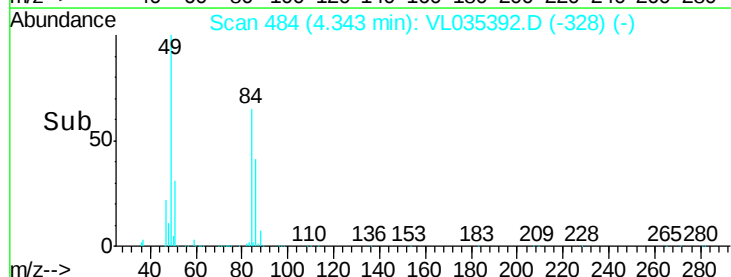
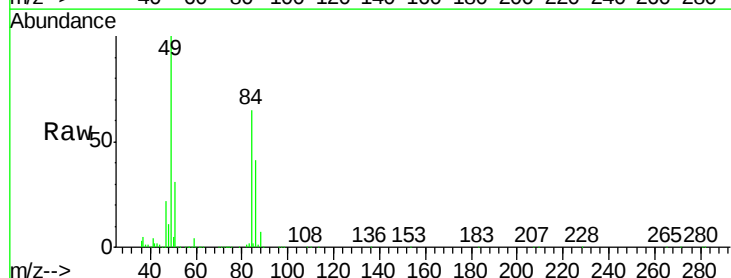
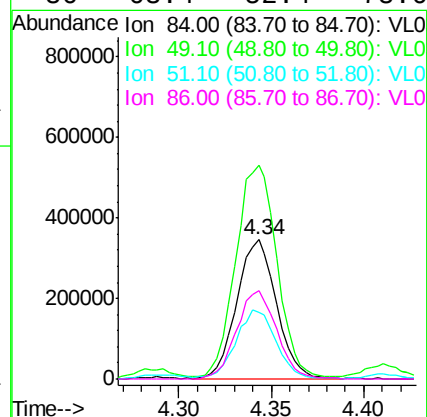
Ion Ratio Lower Upper

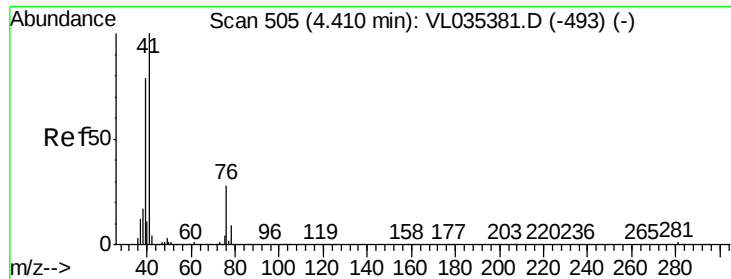
84 100

49 152.3 125.7 188.5

51 47.4 38.5 57.7

86 63.4 52.4 78.6





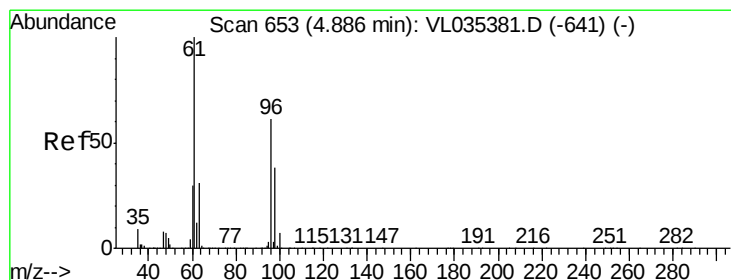
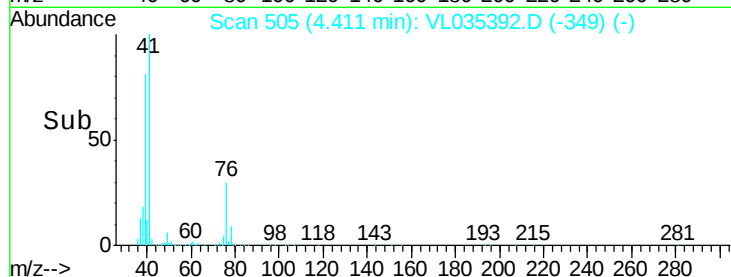
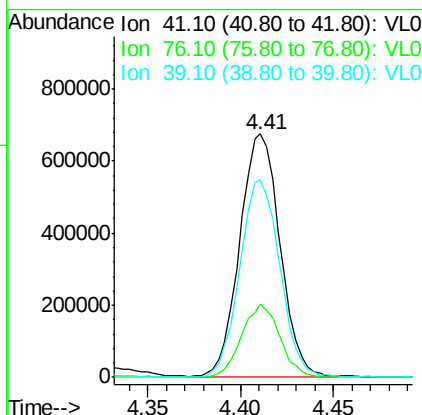
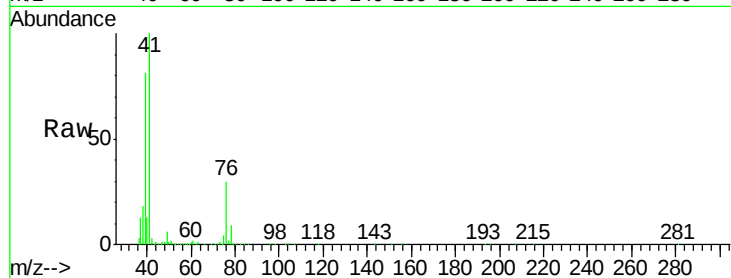
#21
Allvl Chloride
Concen: 8.799 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.4	33.6
39	81.6	63.0	94.4

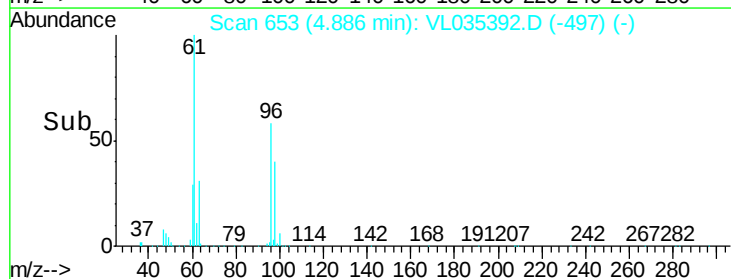
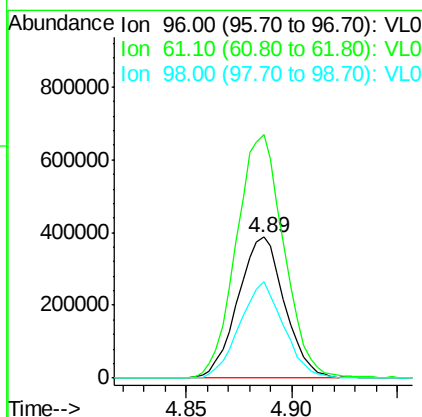
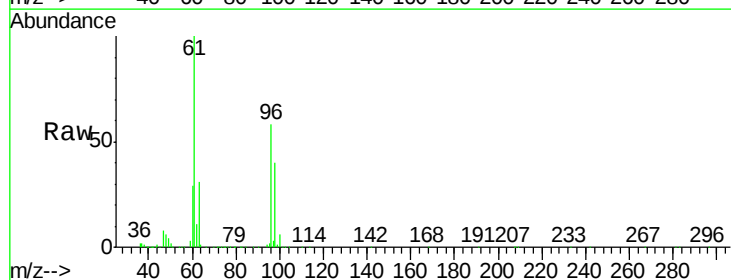
Manual Integrations
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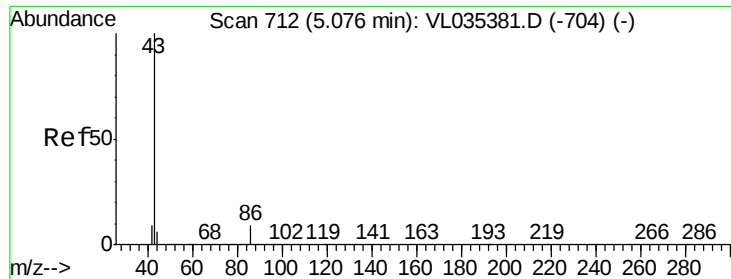
MMDadoda
8/17/2020 5:44:08 PM



#22
trans-1,2-Dichloroethene
Concen: 9.310 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.3	131.8	197.6
98	68.1	49.6	74.4





#23

Vinyl Acetate

Concen: 8.635 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 43 Resp: 2423550

Ion Ratio Lower Upper

43 100

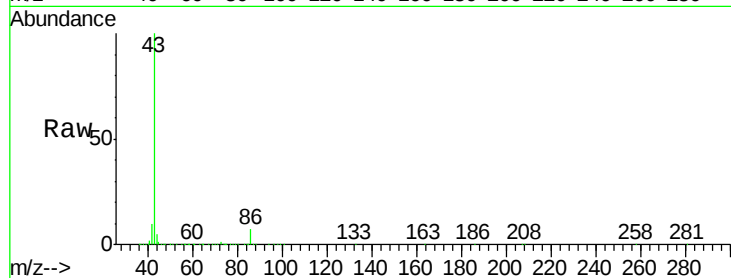
86 7.2 5.8 8.8

42 9.9 8.0 12.0

44 4.8 4.2 6.2

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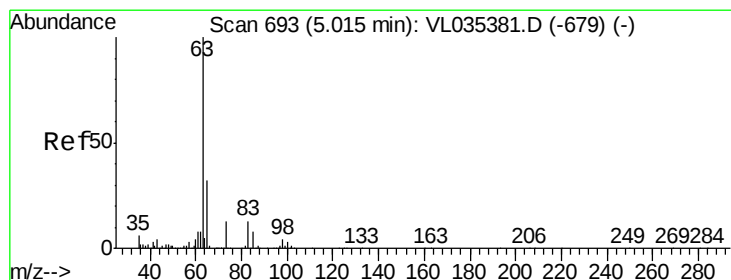
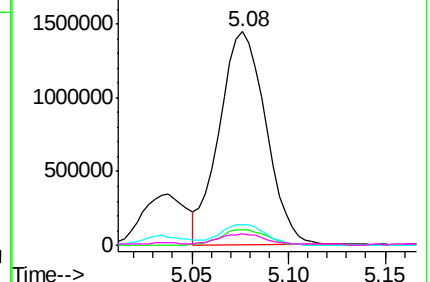
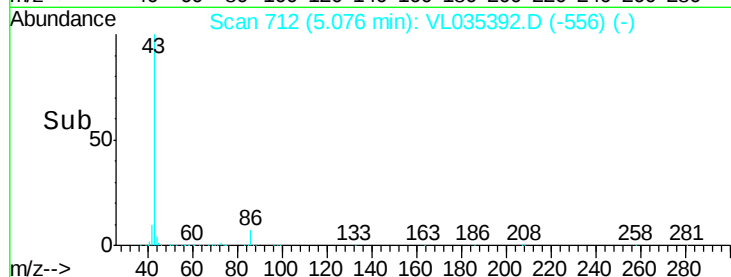


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.932 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

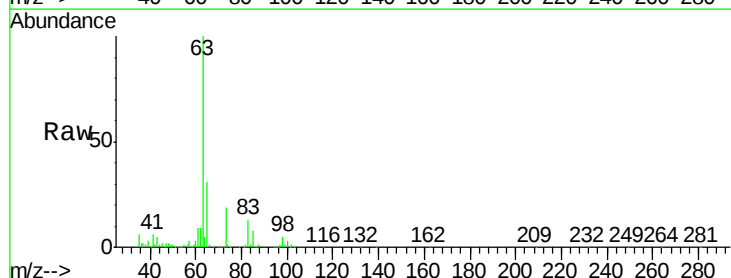
Tgt Ion: 63 Resp: 1650868

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

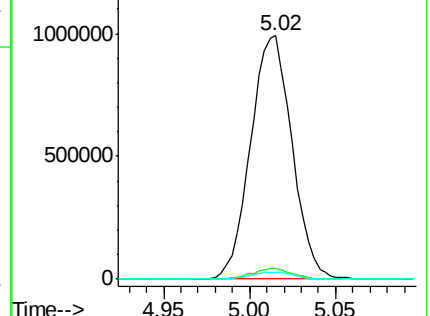
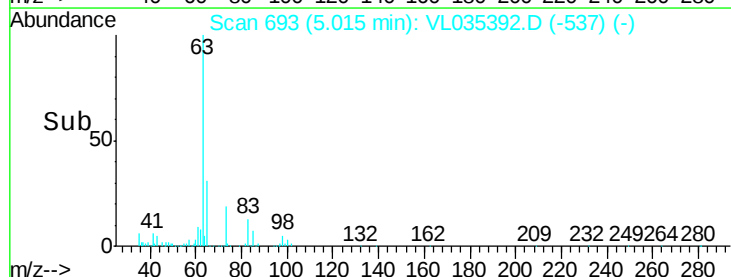
100 2.6 1.4 4.0

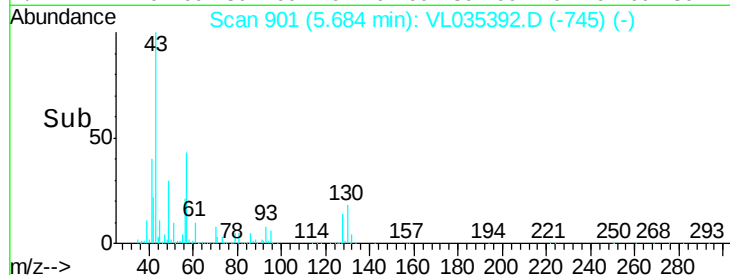
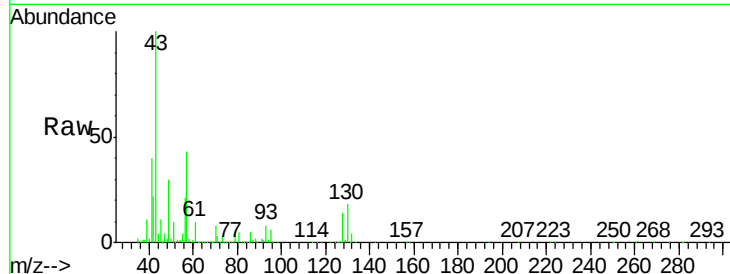
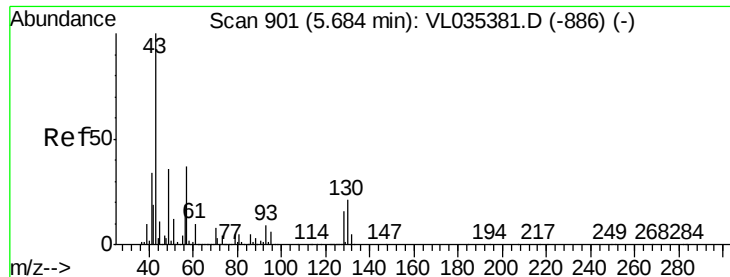


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





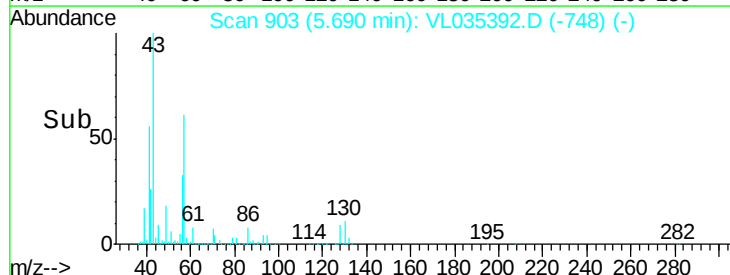
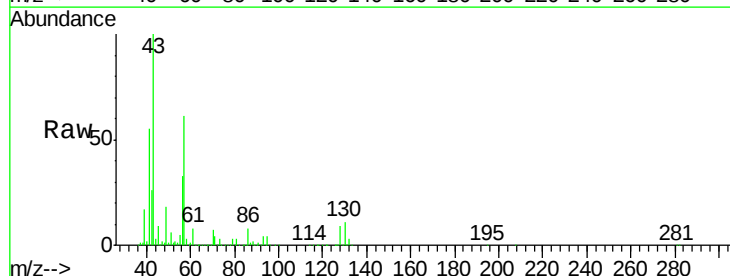
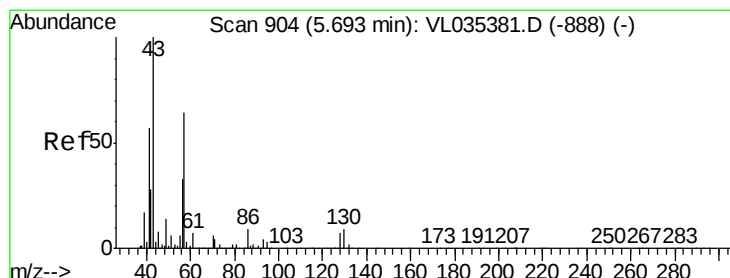
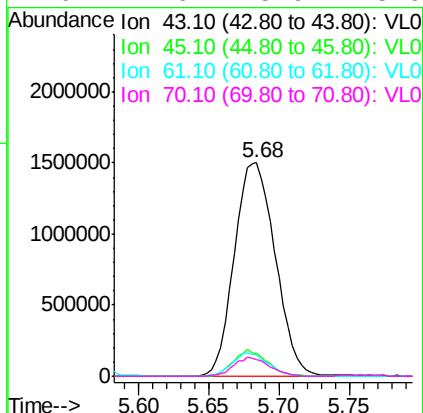
#25
Ethyl Acetate
Concen: 8.414 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tot Ion	43	Resp	3053188
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.7	7.4	11.2
70	7.6	5.9	8.9

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

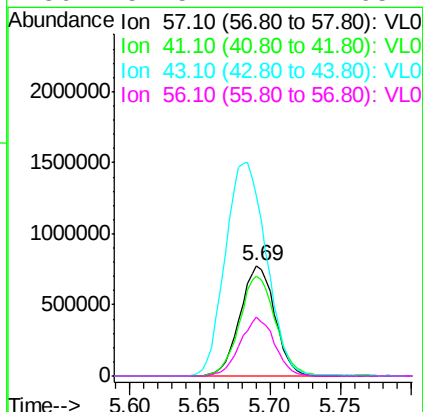
Manual Integrations
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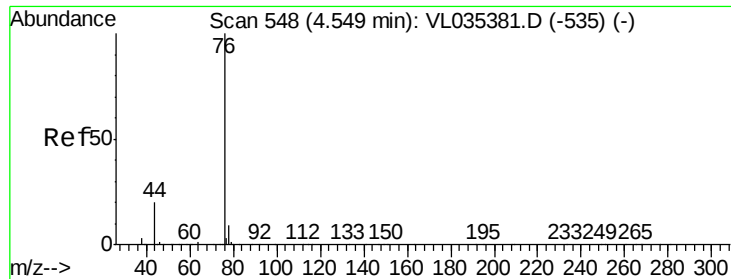
MMDadoda
8/17/2020 5:44:08 PM



#26
Hexane
Concen: 8.442 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	57	Resp	1340459
Ion	Ratio	Lower	Upper
57	100		
41	95.1	75.4	113.2
43	228.7	184.1	276.1
56	52.5	42.2	63.4





#27

Carbon Disulfide

Concen: 9.118 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 76 Resp: 1545701

Ion Ratio Lower Upper

76 100

44 21.3 17.0 25.4

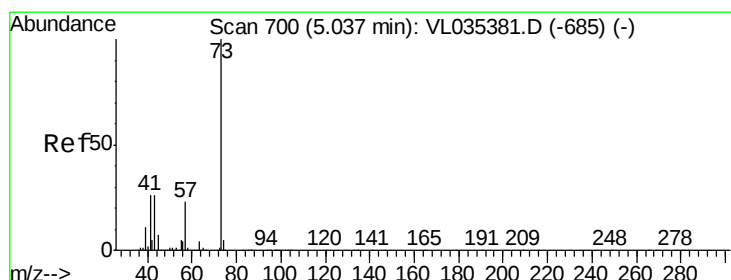
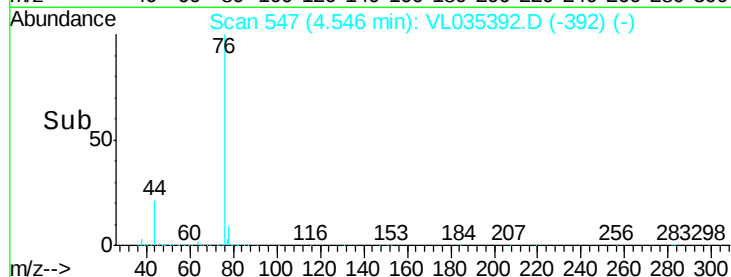
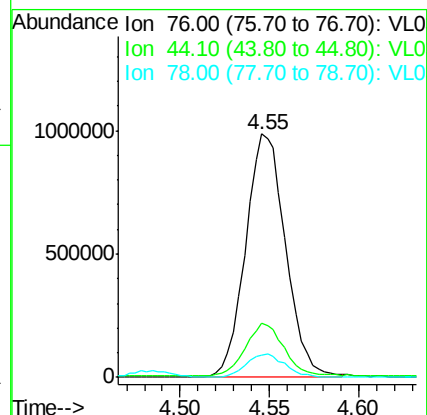
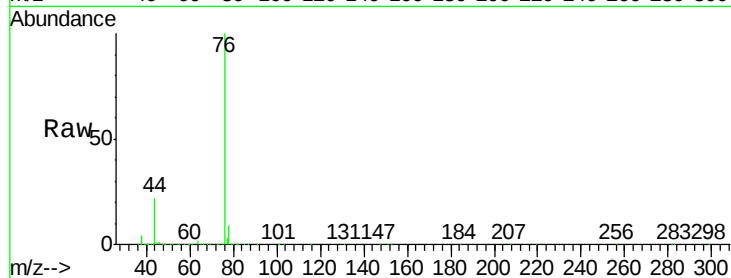
78 9.5 7.5 11.3

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 8.677 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035392.D

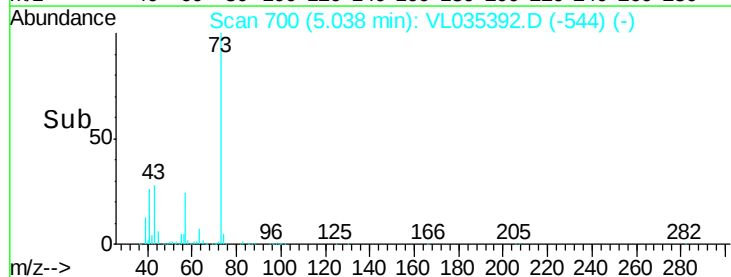
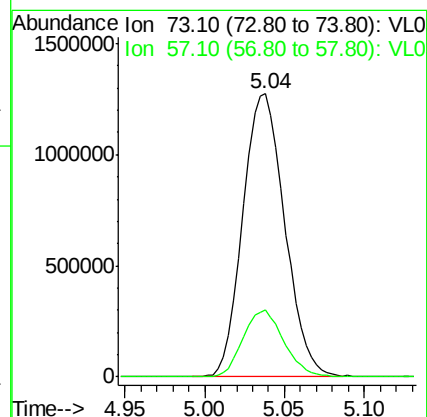
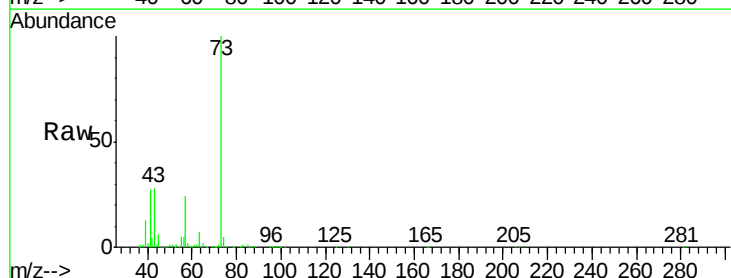
Acq: 12 Aug 2020 22:55

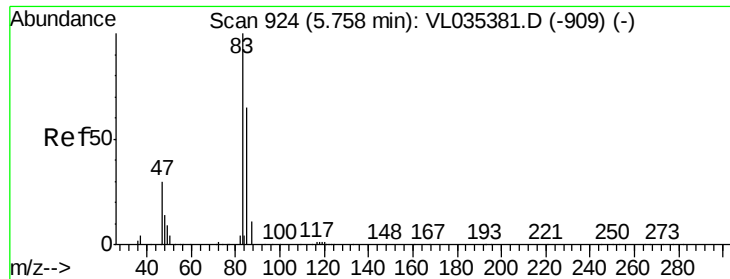
Tgt Ion: 73 Resp: 2274757

Ion Ratio Lower Upper

73 100

57 23.2 19.0 28.4





#29

Chloroform

Concen: 9.182 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 83 Resp: 2080709

Ion Ratio Lower Upper

83 100

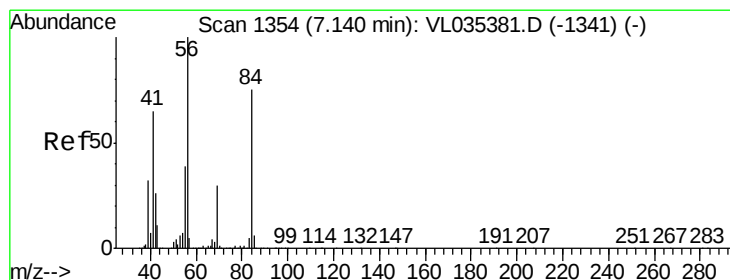
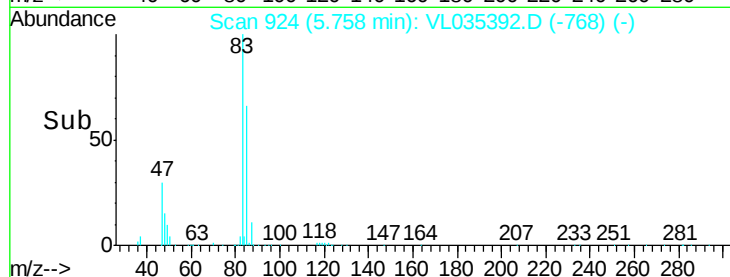
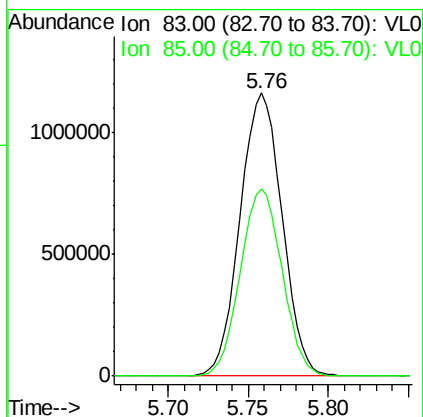
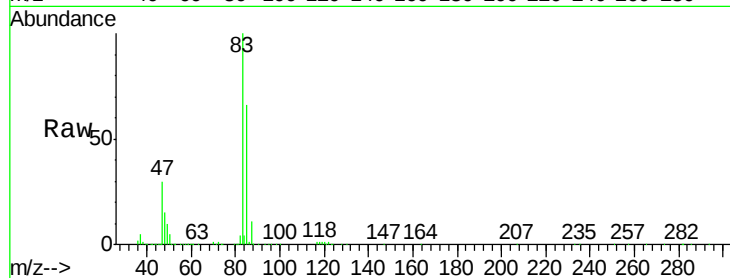
85 66.0 51.7 77.5

Manual Integrations

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#30

Cyclohexane

Concen: 8.884 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

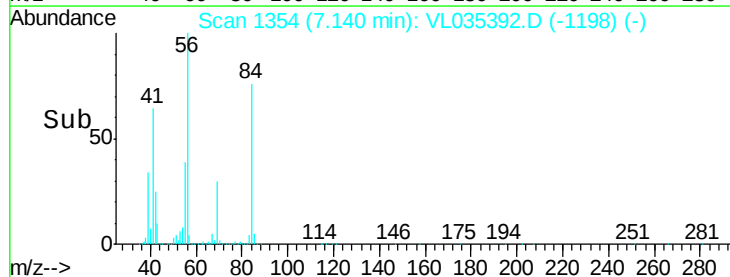
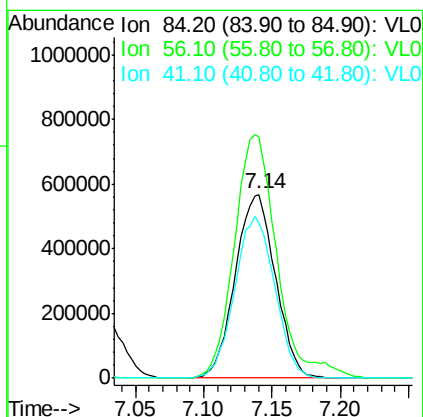
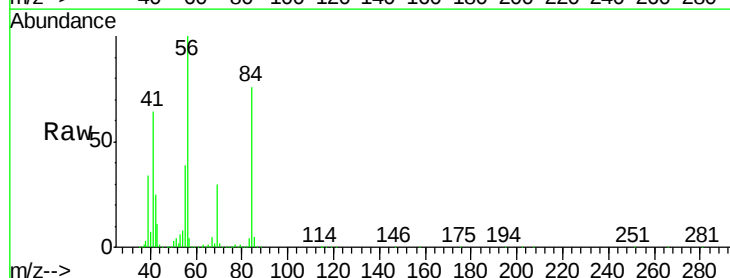
Tgt Ion: 84 Resp: 1162745

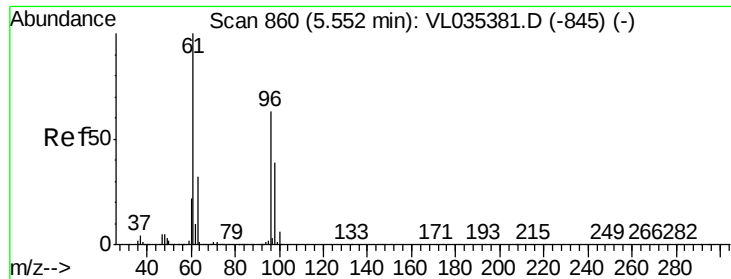
Ion Ratio Lower Upper

84 100

56 140.8 115.8 173.6

41 87.4 71.4 107.0





#31

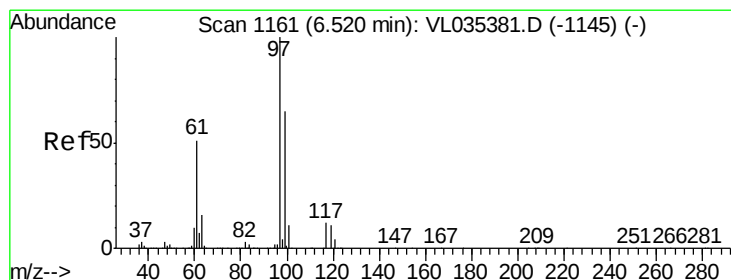
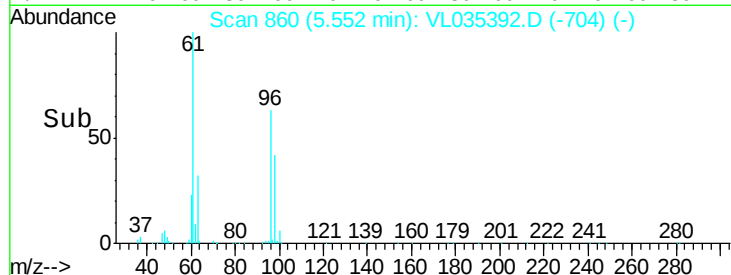
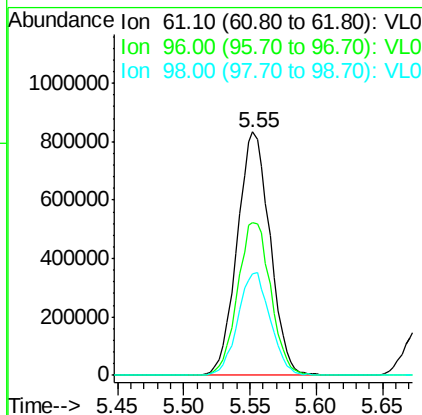
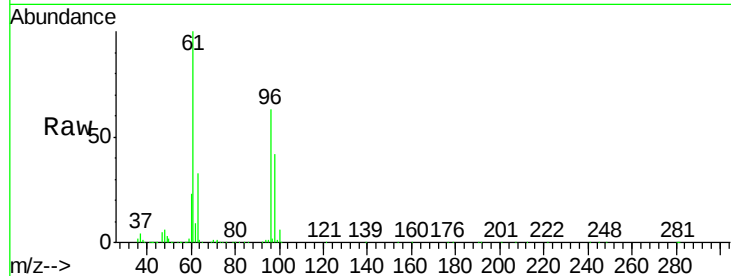
cis-1,2-Dichloroethene
Concen: 9.110 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.5	50.5	75.7
98	41.9	31.5	47.3

Manual Integrations
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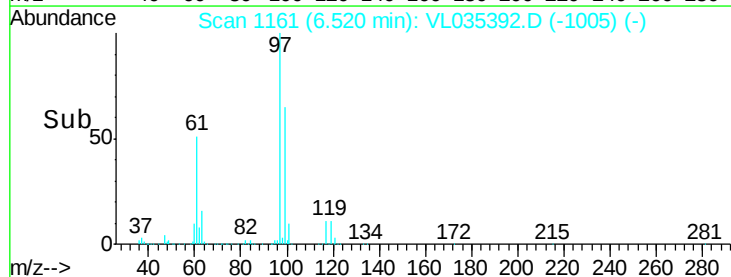
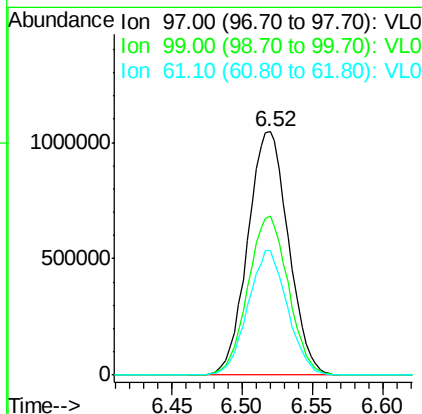
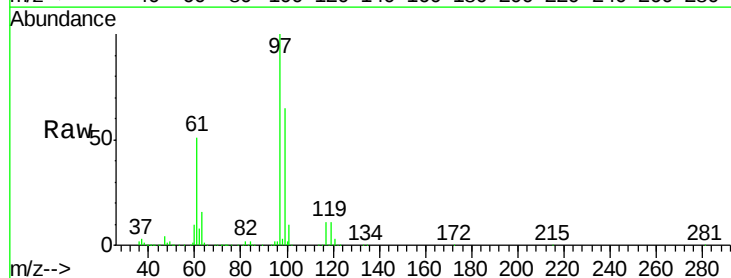
MMDadoda
8/17/2020 5:44:08 PM

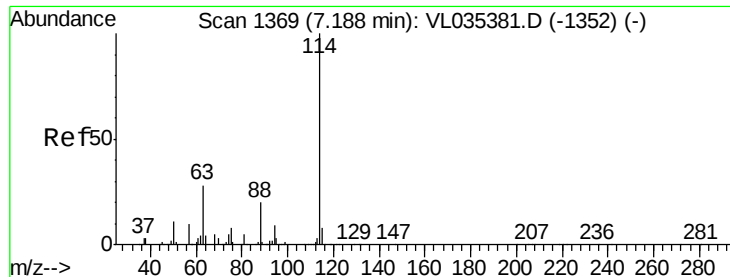


#32

1,1,1-Trichloroethane
Concen: 8.537 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	49.6	39.6	59.4





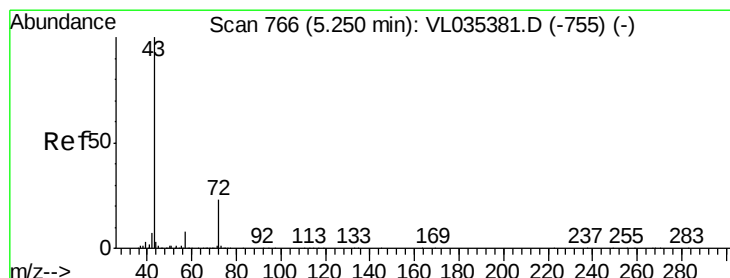
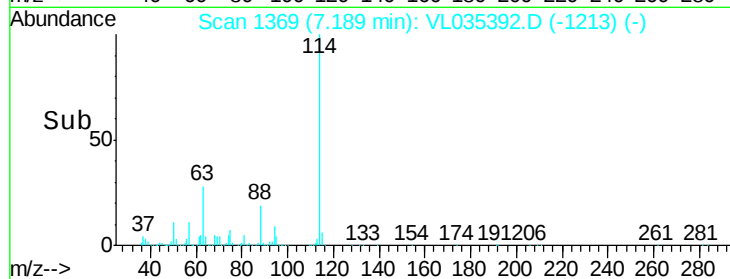
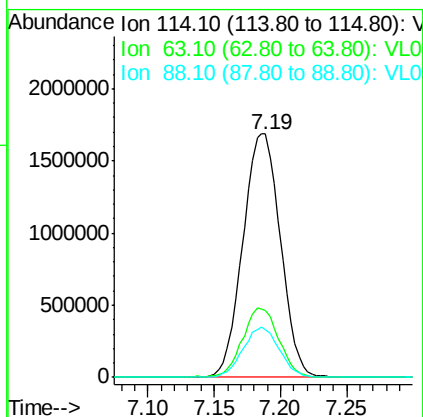
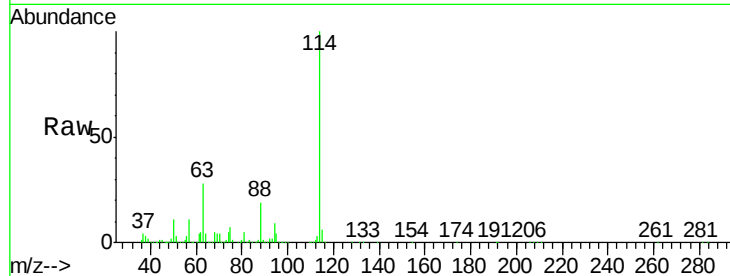
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	21.5	32.3
88	19.9	15.6	23.4

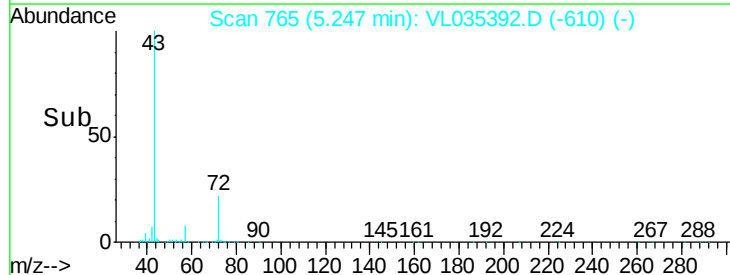
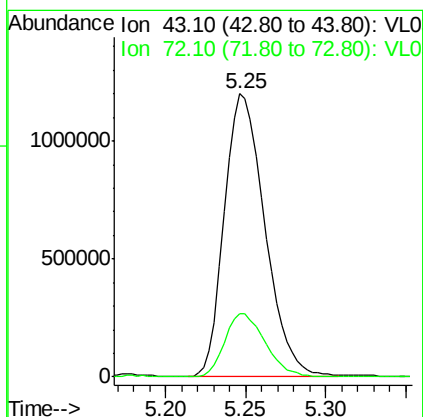
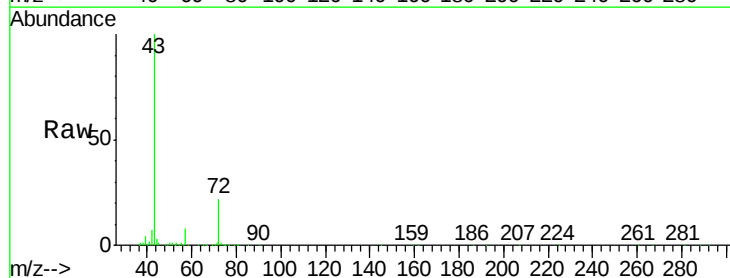
Manual Integrations
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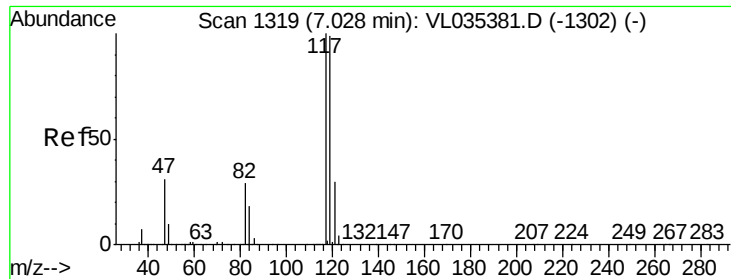
MMDadoda
 8/17/2020 5:44:08 PM



#34
 2-Butanone
 Concen: 8.781 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.7	26.5





#35

Carbon Tetrachloride

Concen: 8.963 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

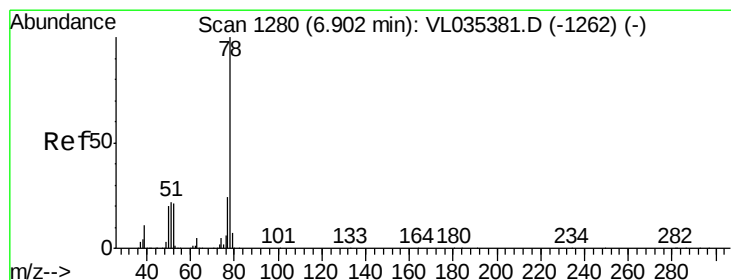
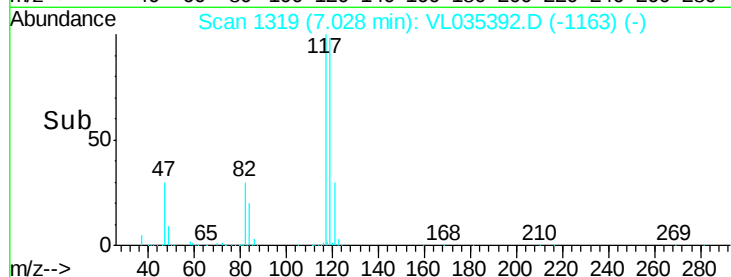
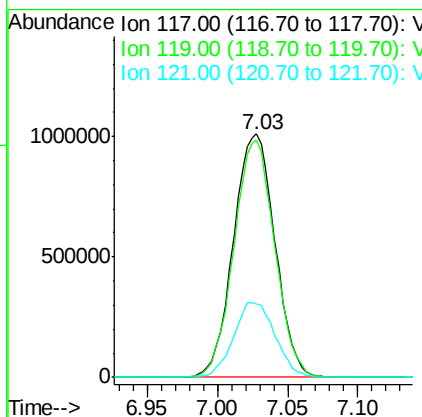
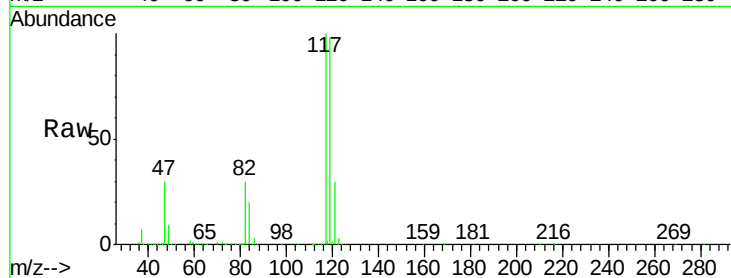
ClientSampleId :

VL0812ABS01

Tot Ion:	117	Resp:	2071242
Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.4	119.0
121	30.4	24.3	36.5

Manual Integrations
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#36

Benzene

Concen: 8.851 ppbv

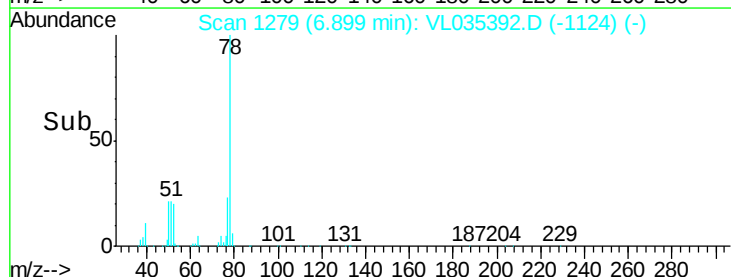
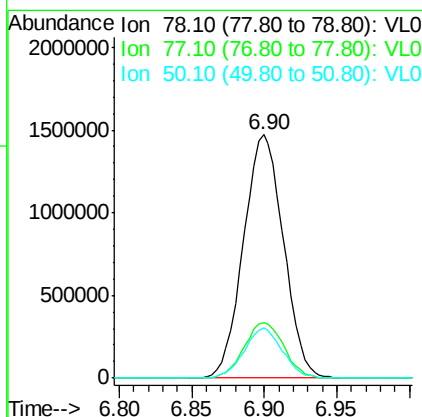
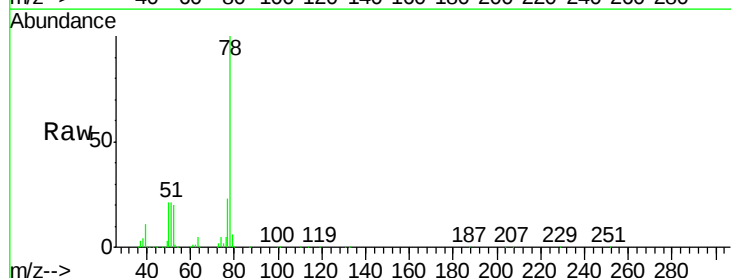
RT: 6.90 min Scan# 1279

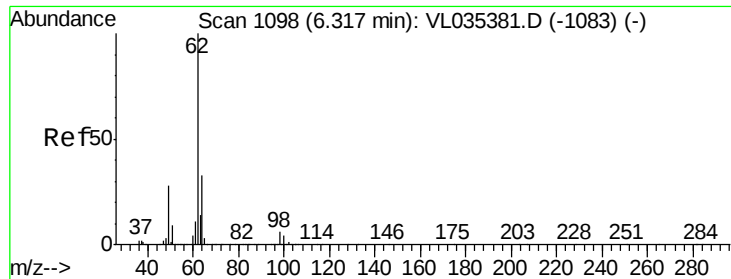
Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion:	78	Resp:	2821693
Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7
50	20.6	15.8	23.6





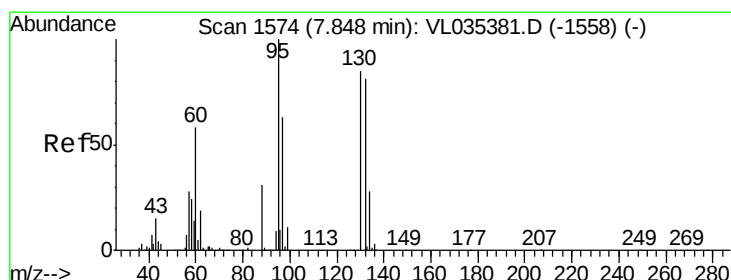
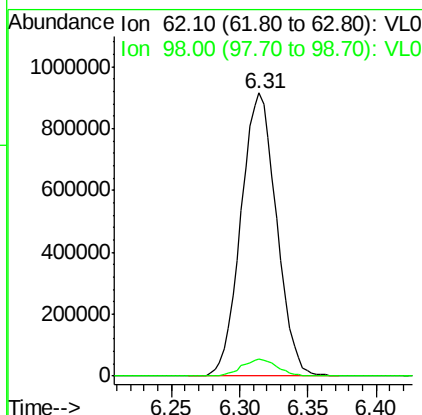
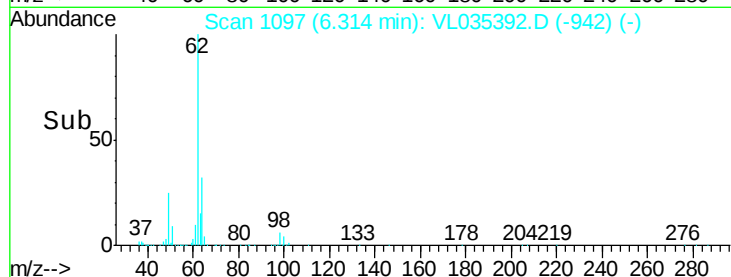
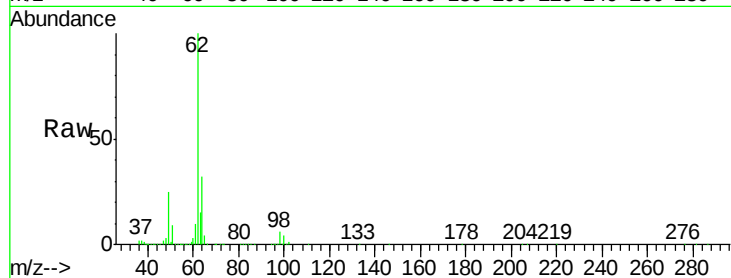
#37
 1,2-Dichloroethane
 Concen: 9.363 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.1	7.7

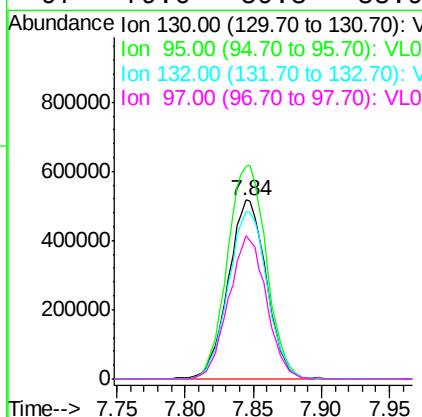
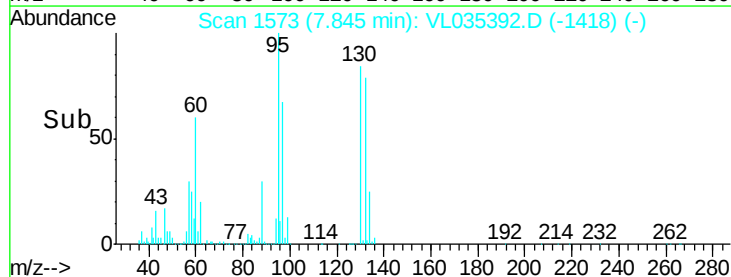
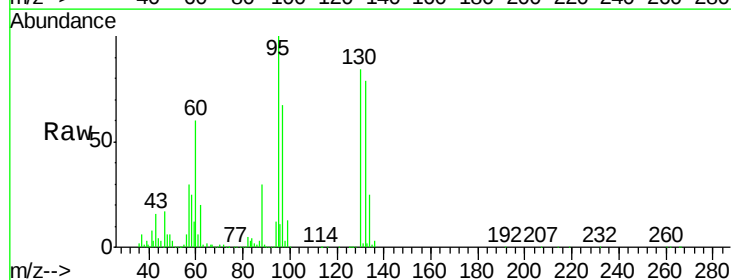
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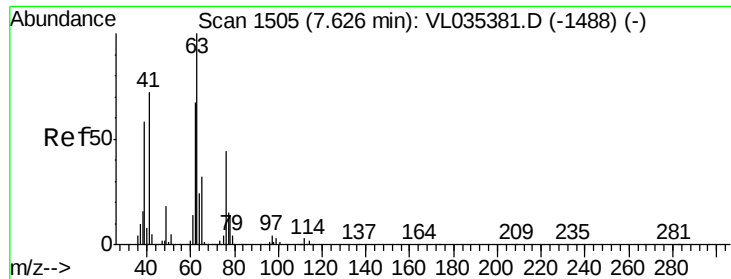
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 8/17/2020 5:44:08 PM



#38
 Trichloroethene
 Concen: 7.978 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.7	94.2	141.4
132	93.5	76.6	114.8
97	79.6	59.3	88.9





#39

1,2-Dichloropropane

Concen: 8.893 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 63 Resp: 1122634

Ion Ratio Lower Upper

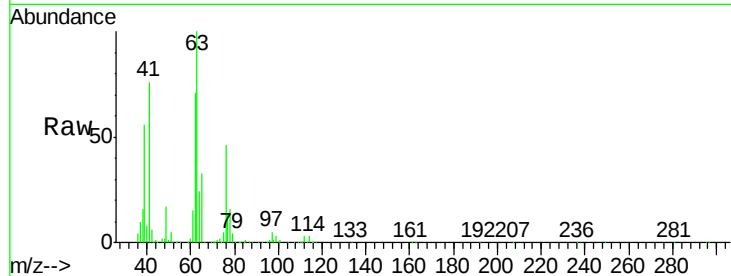
63 100

41 75.7 57.4 86.2

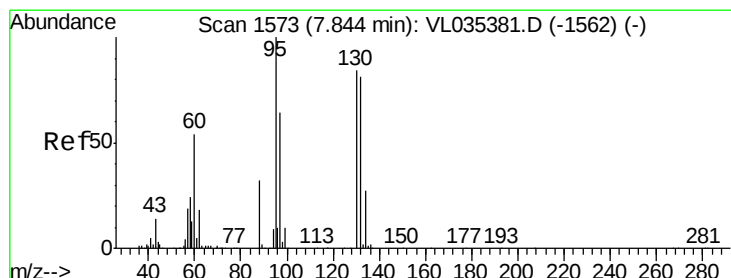
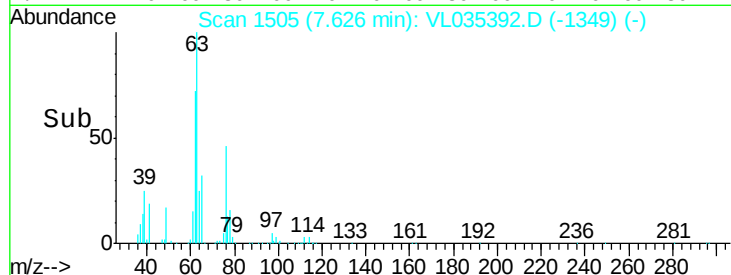
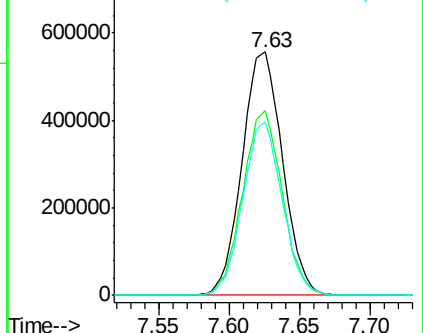
62 71.3 53.6 80.4

Manual Integrations
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.832 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion: 88 Resp: 454059

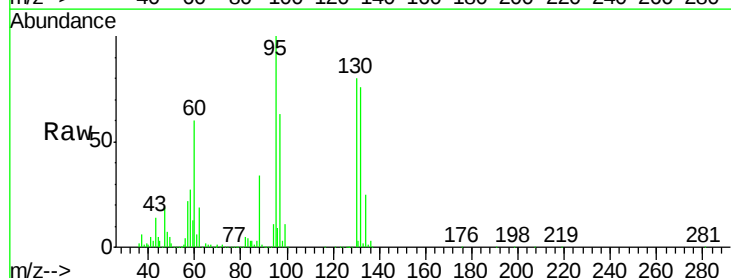
Ion Ratio Lower Upper

88 100

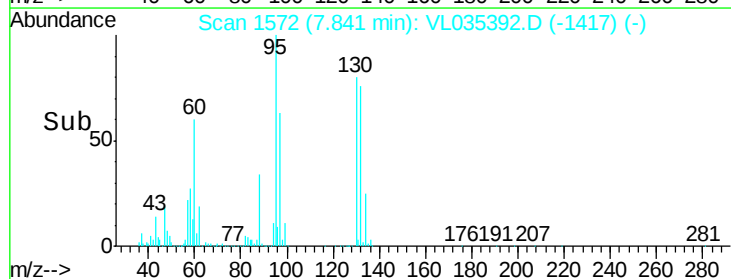
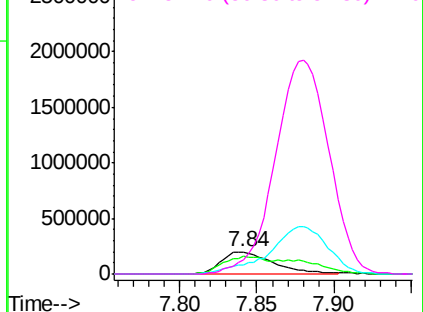
58 128.0 105.0 157.6

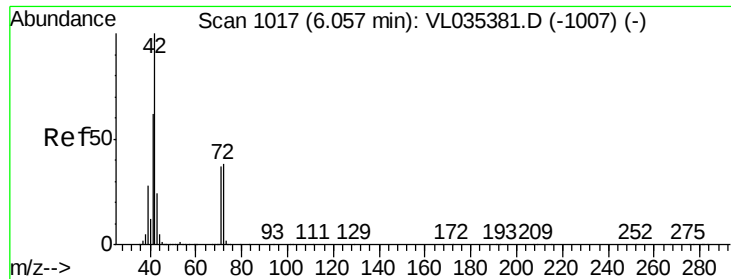
43 247.9 204.2 306.2

57 1027.9 855.0 1282.4



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





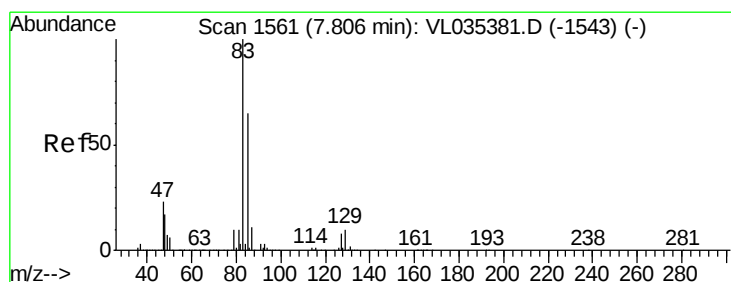
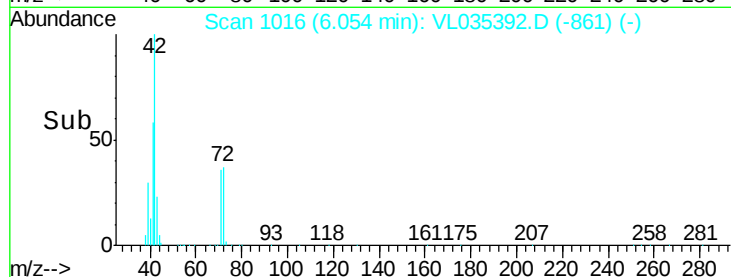
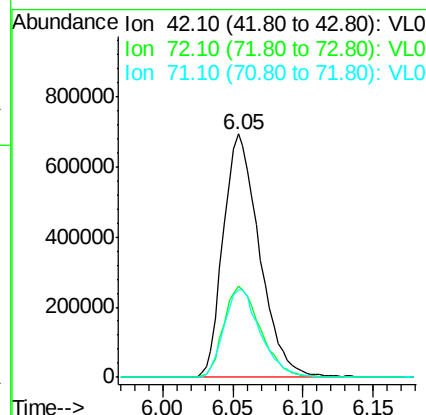
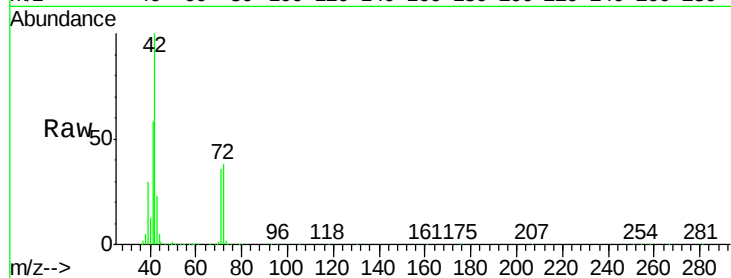
#41
Tetrahydrofuran
Concen: 8.763 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.2	45.2
71	36.8	28.6	42.8

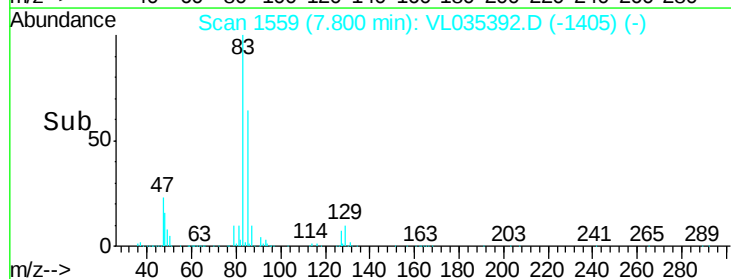
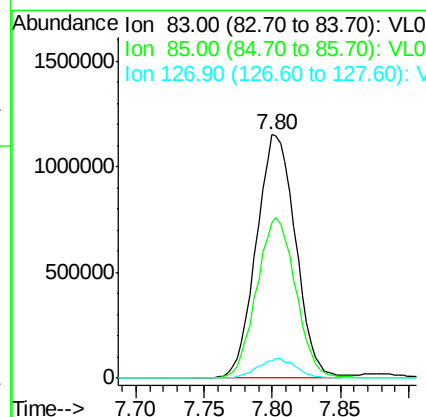
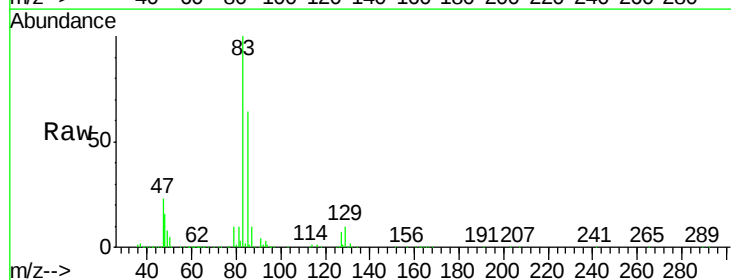
Manual Integrations
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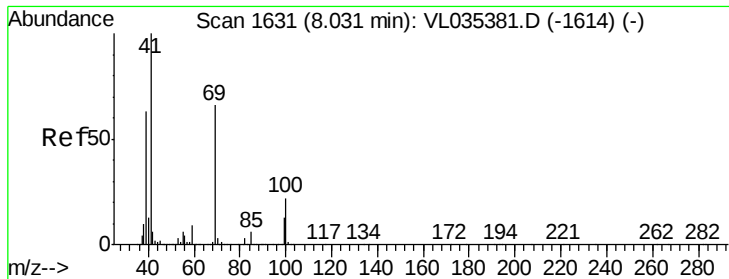
MMDadoda
8/17/2020 5:44:08 PM



#42
Bromodichloromethane
Concen: 9.211 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	7.2	6.3	9.5





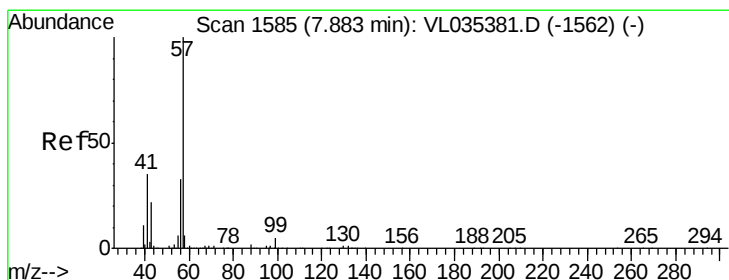
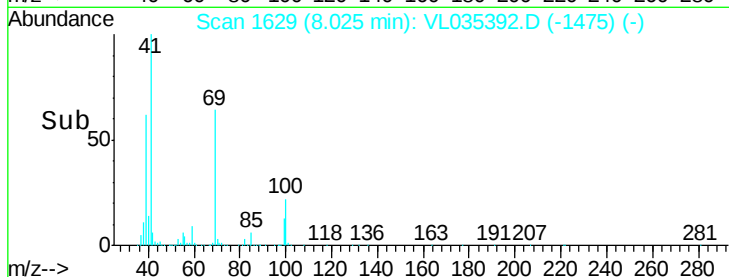
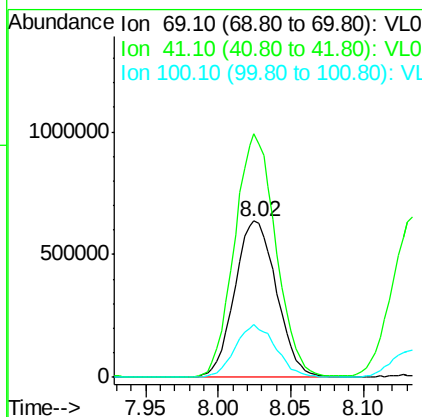
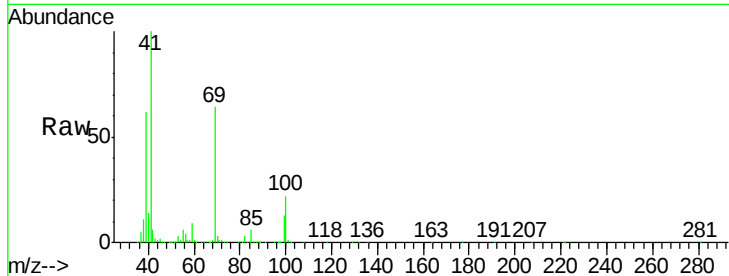
#43
Methvl Methacrylate
Concen: 9.045 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.4	123.4	185.2	
100	32.9	26.7	40.1	

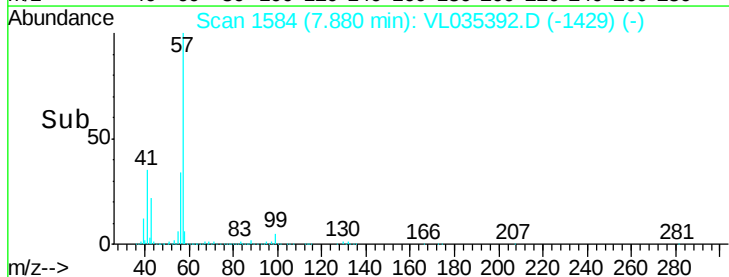
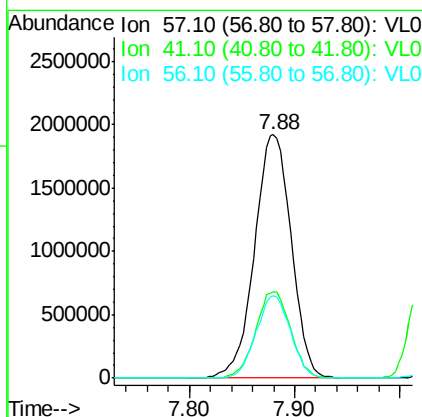
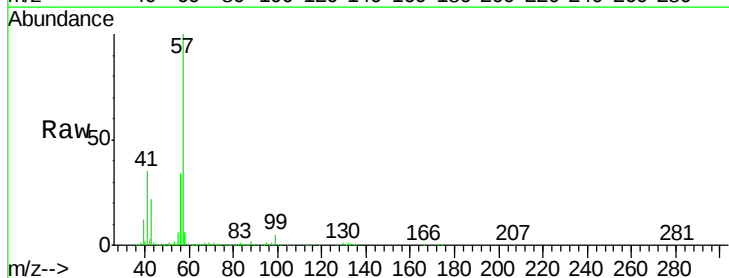
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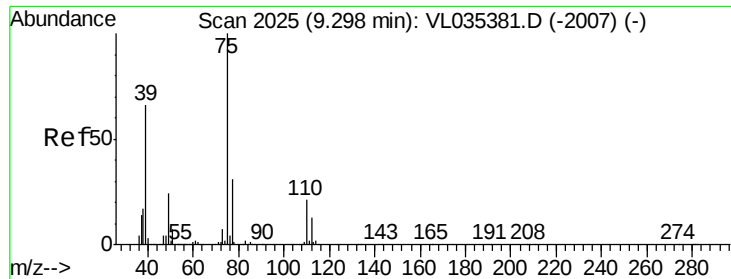
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#44
2,2,4-Trimethylpentane
Concen: 8.497 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.9	26.9	40.3	
56	31.9	25.6	38.4	





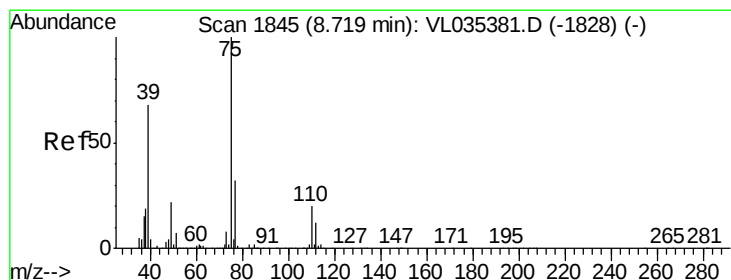
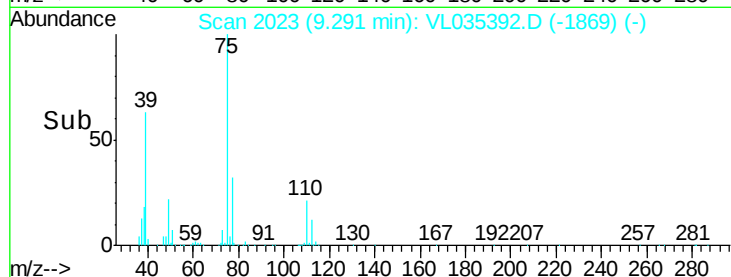
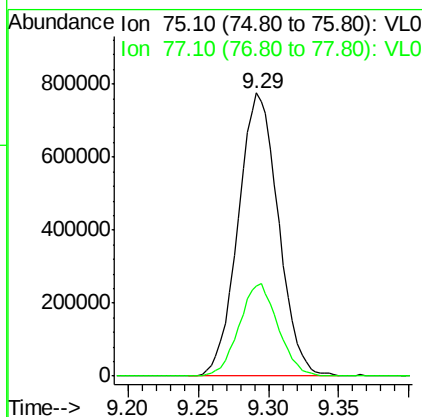
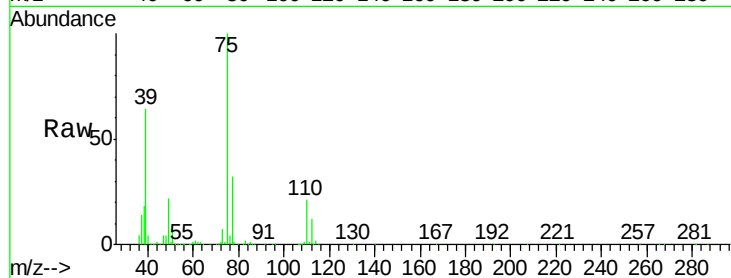
#45
 t-1,3-Dichloropropene
 Concen: 9.431 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion: 75 Resp: 1547547
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8

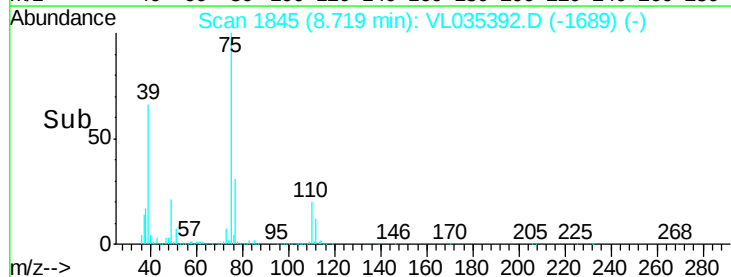
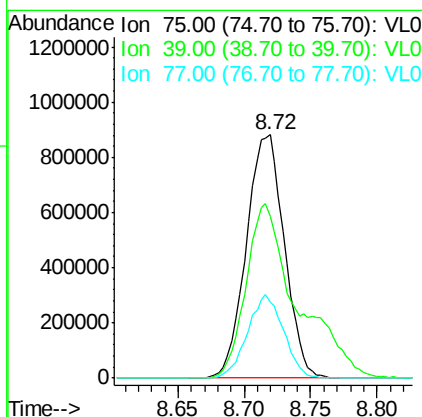
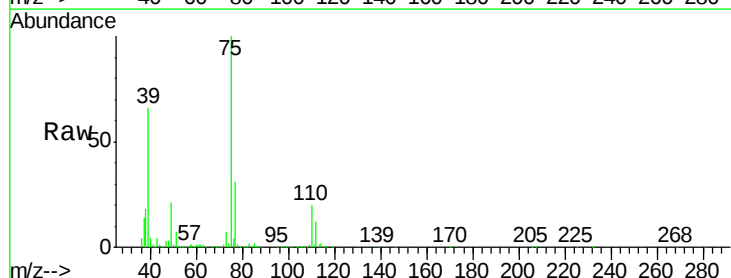
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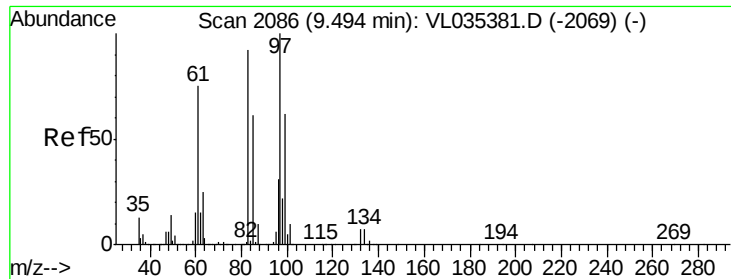
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#46
 cis-1,3-Dichloropropene
 Concen: 9.164 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 75 Resp: 1756402
 Ion Ratio Lower Upper
 75 100
 39 66.3 54.2 81.2
 77 31.2 25.7 38.5





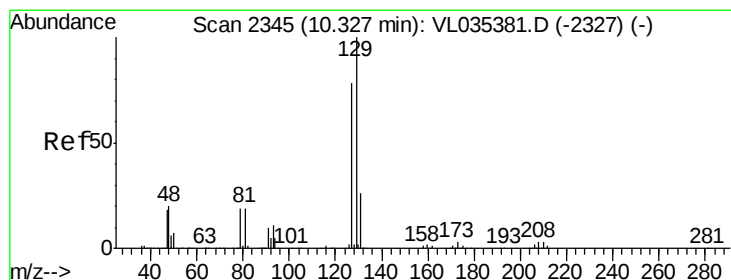
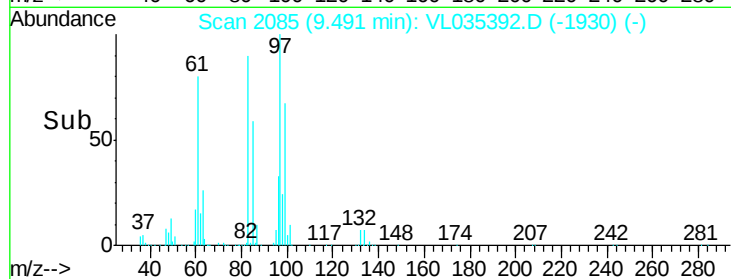
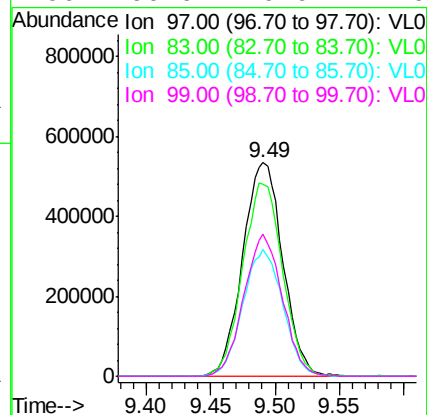
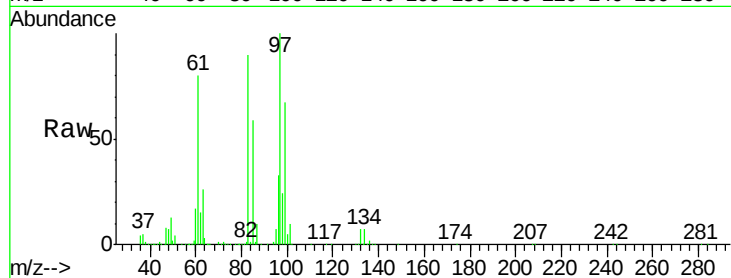
#47
 1,1,2-Trichloroethane
 Concen: 9.052 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.1	73.9	110.9
85	59.3	49.0	73.6
99	66.6	49.9	74.9

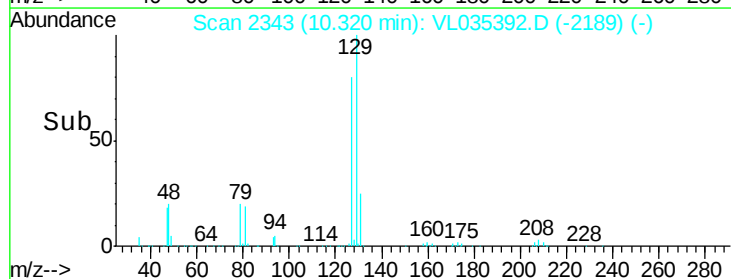
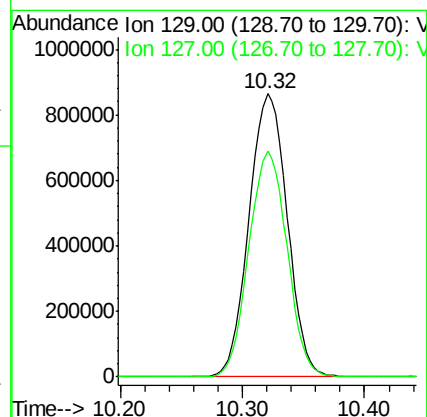
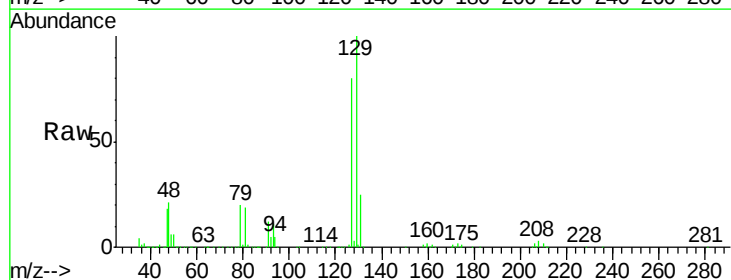
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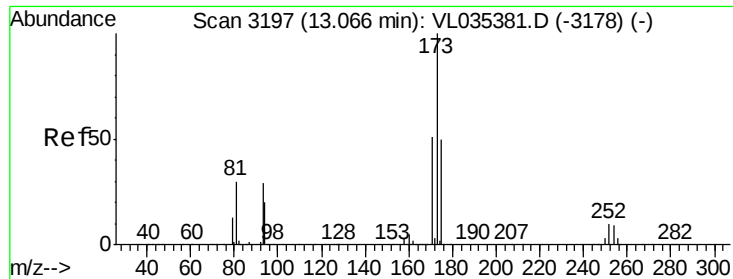
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#48
 Dibromochloromethane
 Concen: 9.154 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.3	117.8





#49

Bromoform

Concen: 9.390 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:173 Resp: 1575212

Ion Ratio Lower Upper

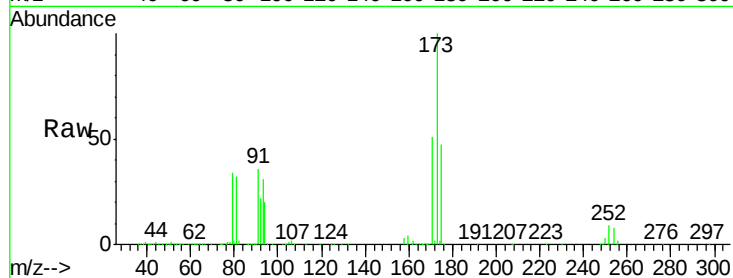
173 100

175 49.1 39.9 59.9

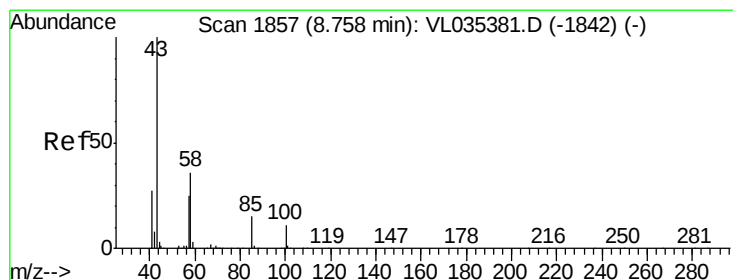
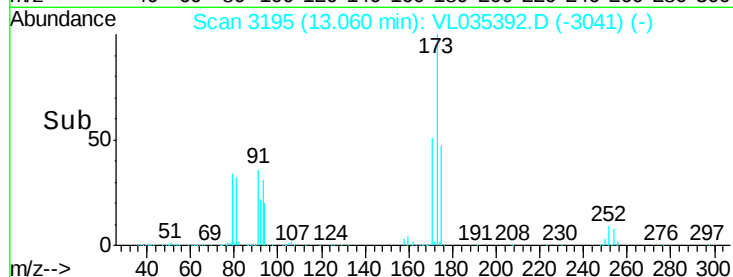
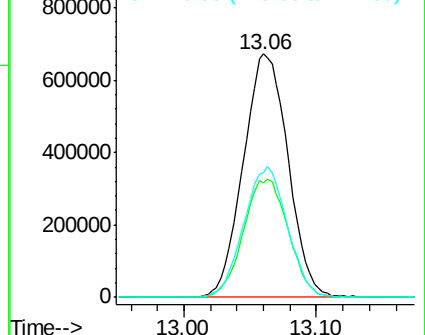
171 52.3 41.8 62.8

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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: 8.647 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL035392.D

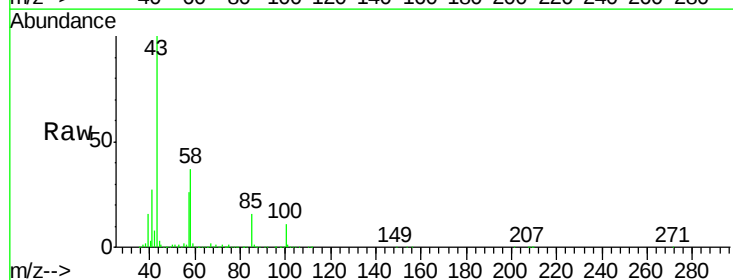
Acq: 12 Aug 2020 22:55

Tgt Ion: 43 Resp: 3087461

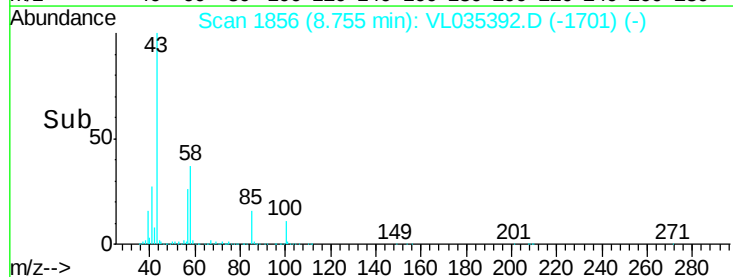
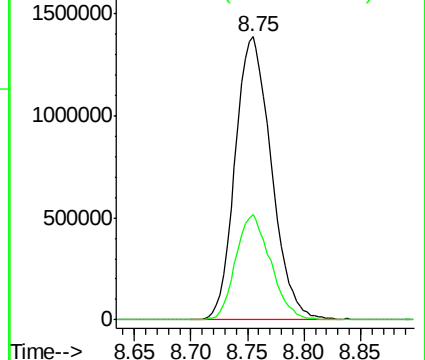
Ion Ratio Lower Upper

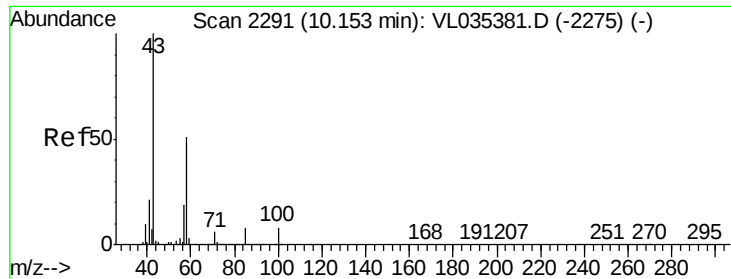
43 100

58 36.1 29.0 43.6



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





#51

2-Hexanone

Concen: 8.774 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 43 Resp: 2637528

Ion Ratio Lower Upper

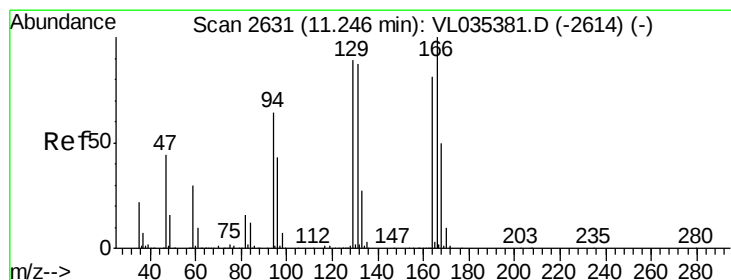
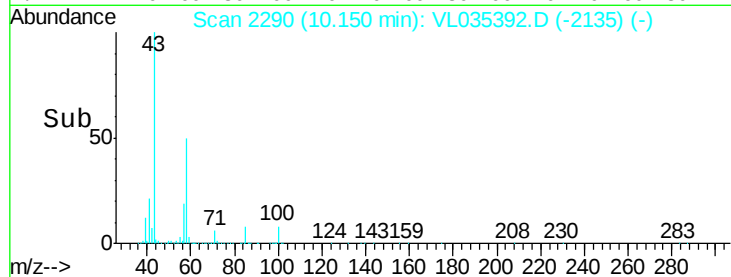
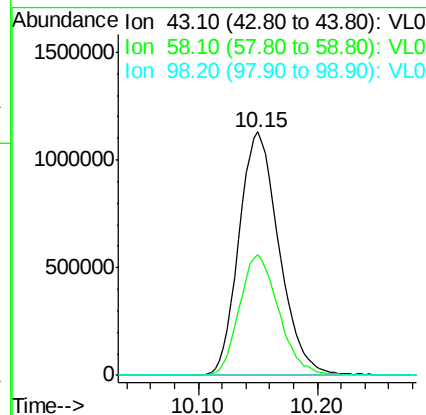
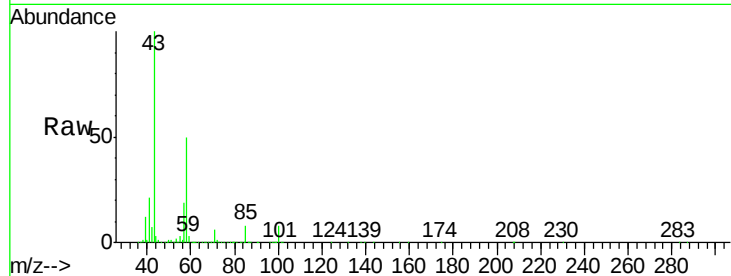
43 100

58 48.9 39.5 59.3

98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 8.039 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion: 164 Resp: 908713

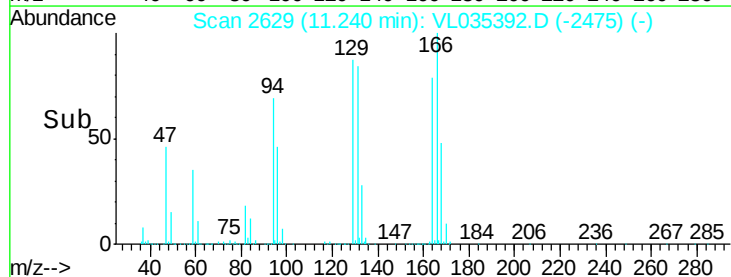
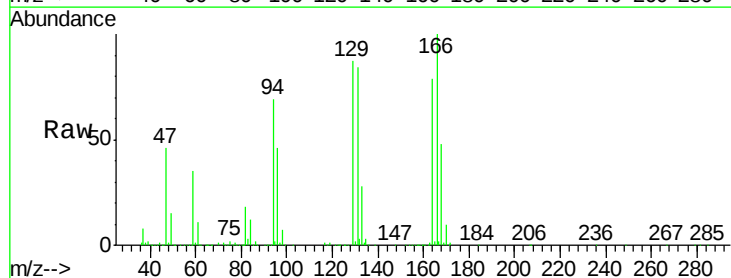
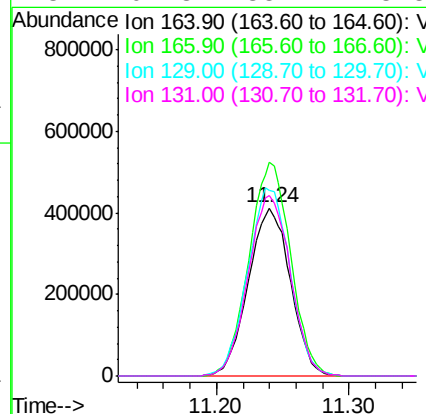
Ion Ratio Lower Upper

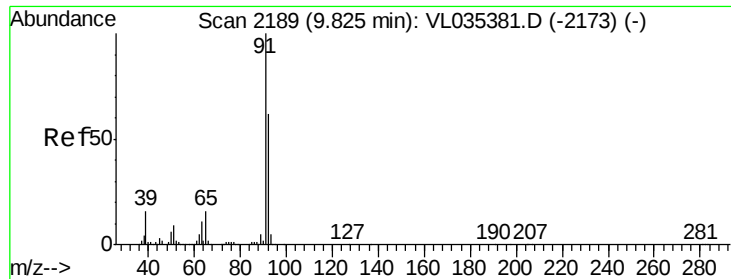
164 100

166 127.1 98.2 147.2

129 110.7 87.3 130.9

131 107.3 85.7 128.5





#53

Toluene

Concen: 8.699 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 91 Resp: 3291818

Ion Ratio Lower Upper

91 100

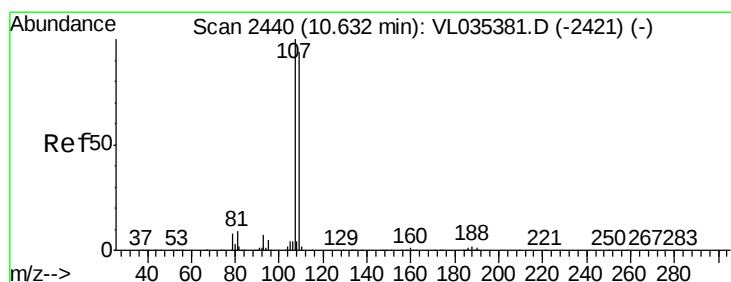
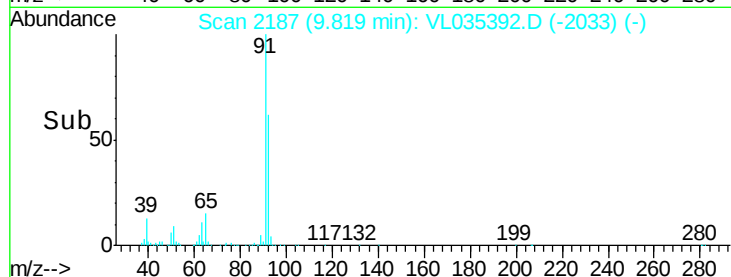
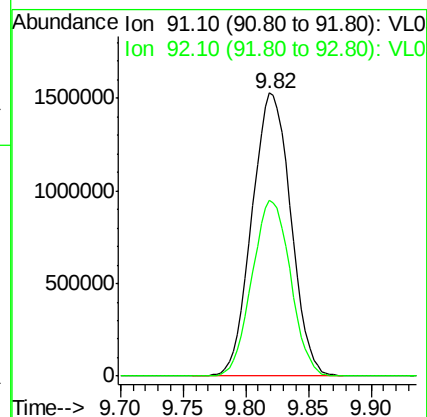
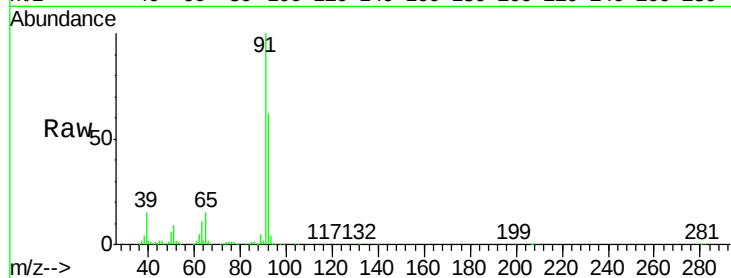
92 61.5 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 8.969 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL035392.D

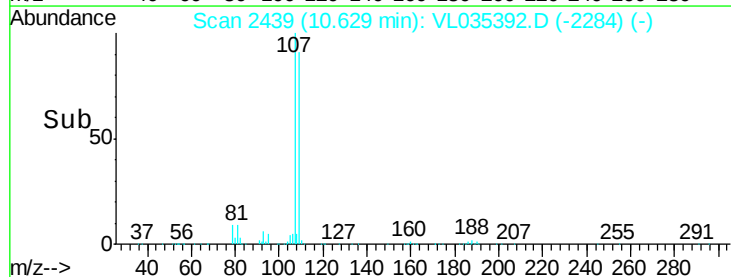
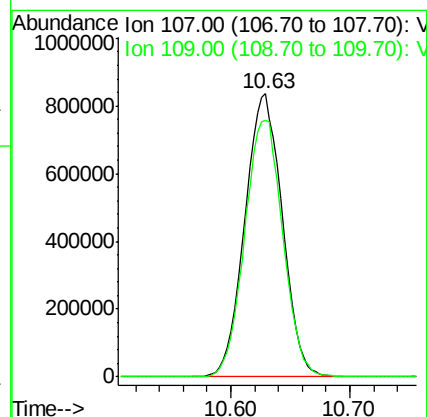
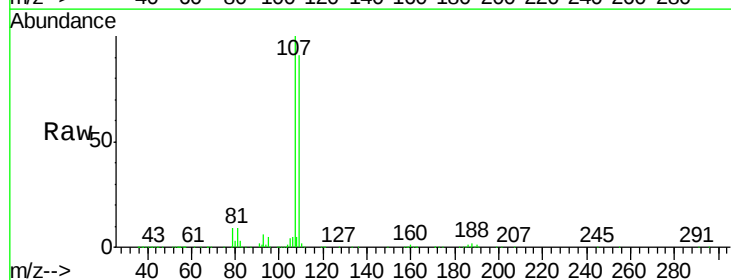
Acq: 12 Aug 2020 22:55

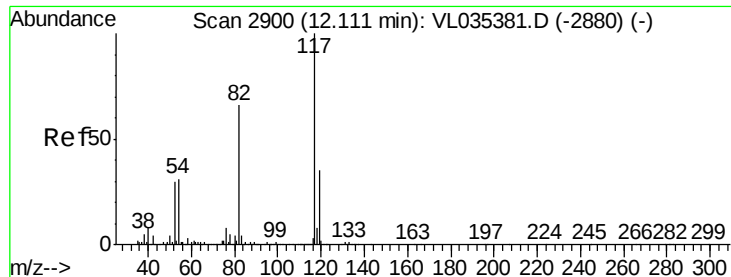
Tgt Ion: 107 Resp: 1818606

Ion Ratio Lower Upper

107 100

109 90.6 75.2 112.8





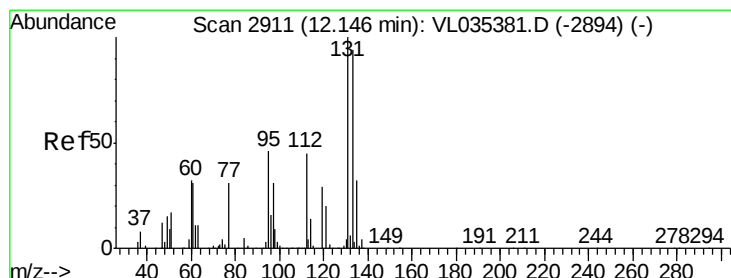
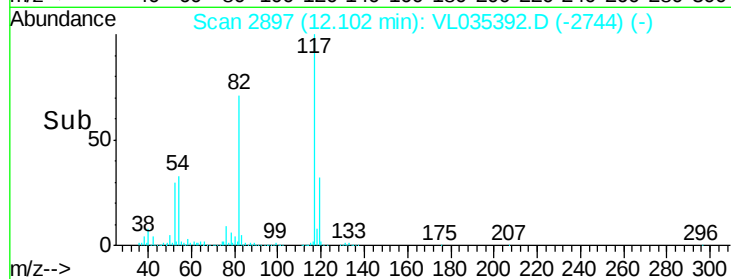
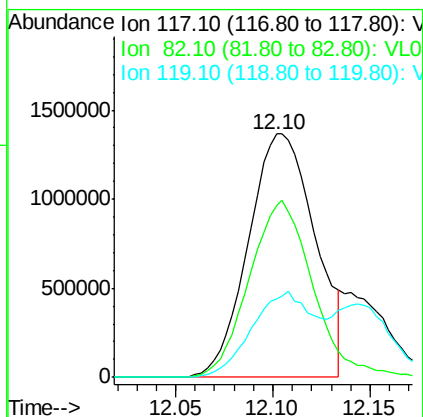
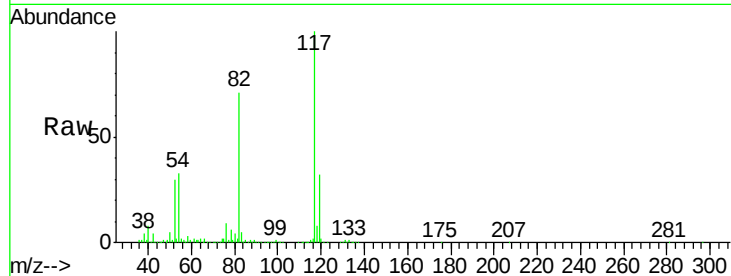
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.5	53.0	79.6
119	31.5	25.7	38.5

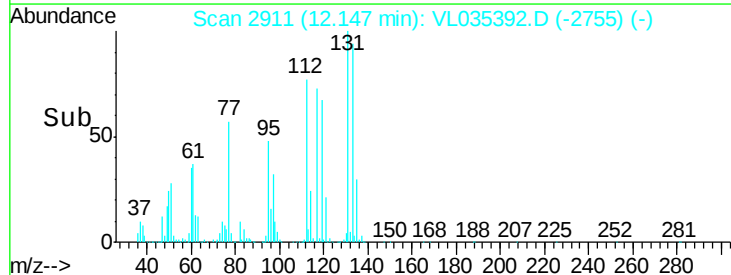
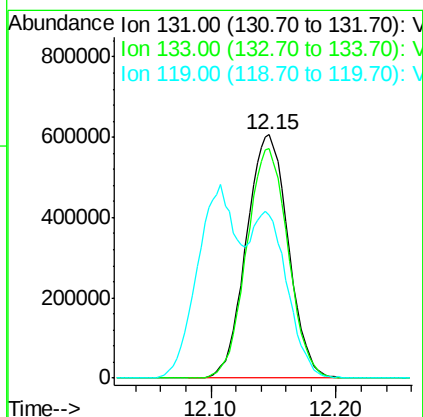
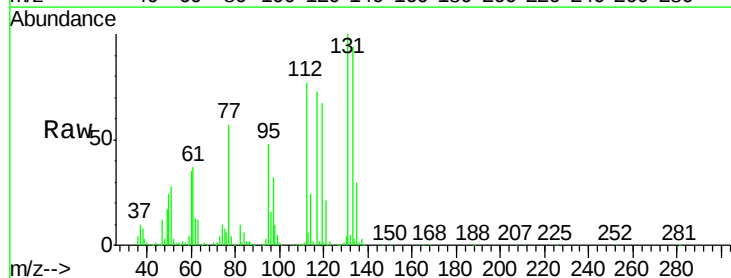
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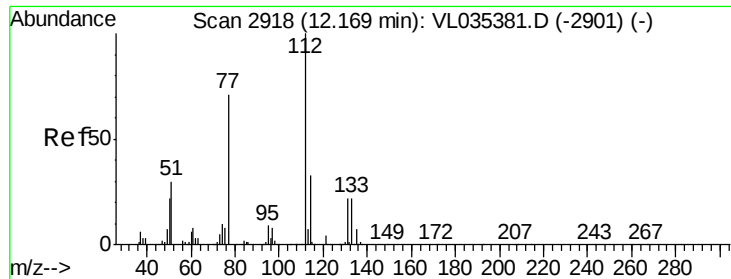
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.856 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	76.1	114.1
119	54.6	47.0	70.4





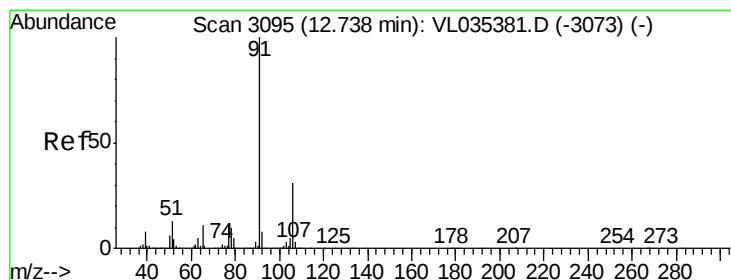
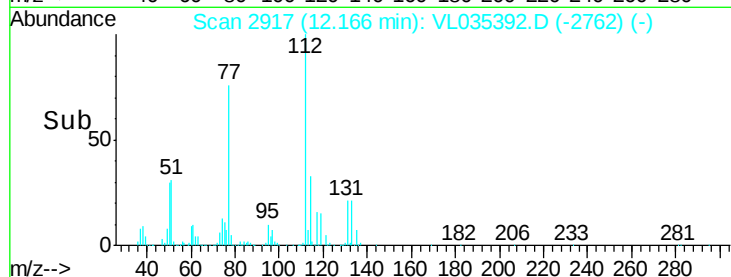
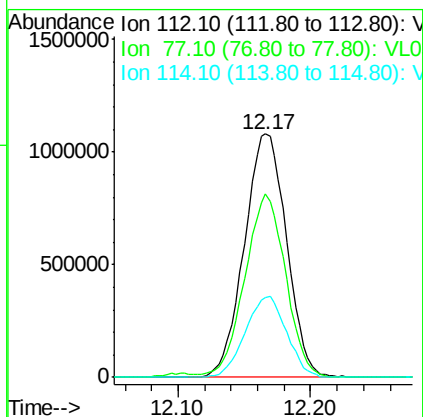
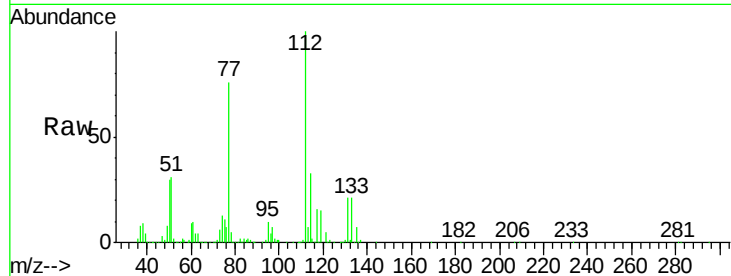
#57
Chlorobenzene
Concen: 8.559 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	75.2	57.6	86.4
114	32.6	30.0	36.6

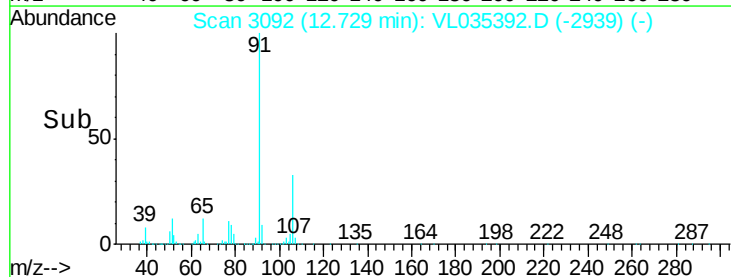
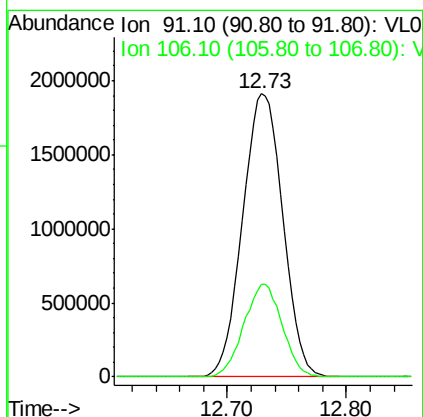
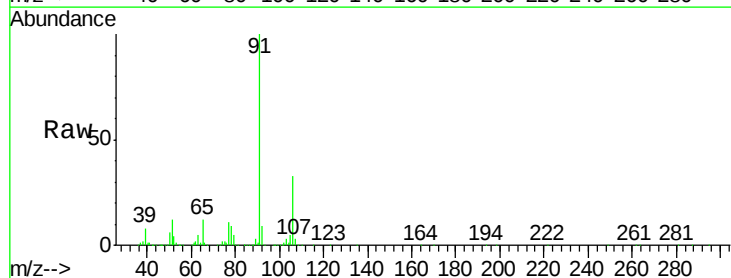
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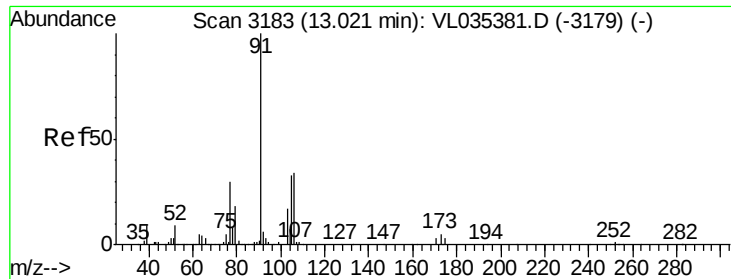
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#58
Ethyl Benzene
Concen: 8.657 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.1	37.7





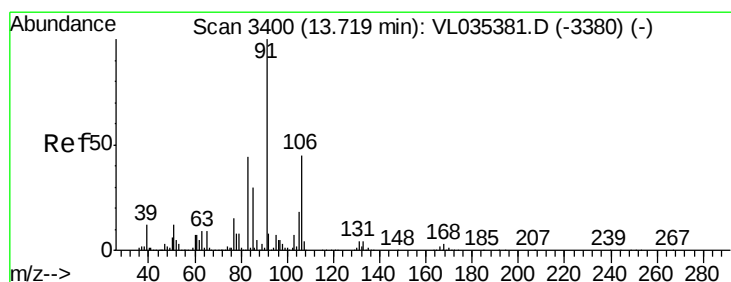
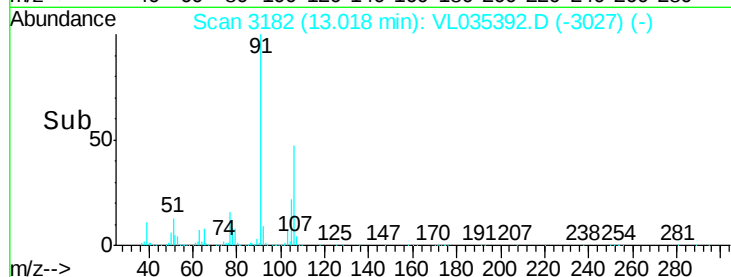
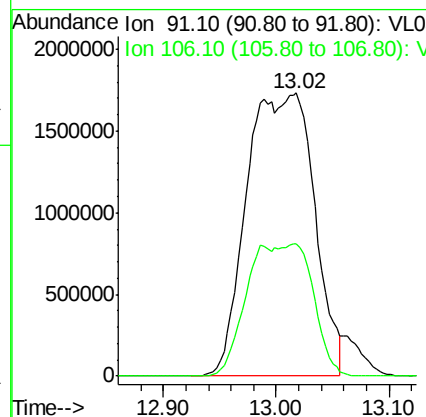
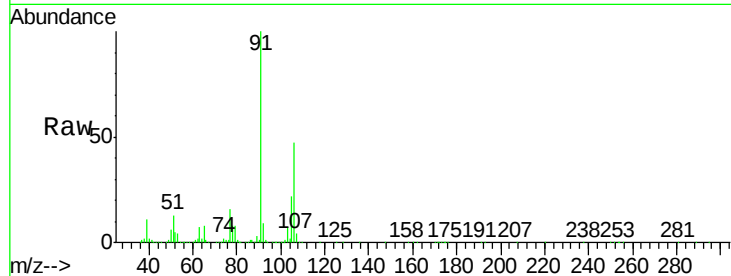
#59
m/p-Xylene
Concen: 16.679 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 91 Resp: 7187397
Ion Ratio Lower Upper
91 100
106 45.6 36.7 55.1

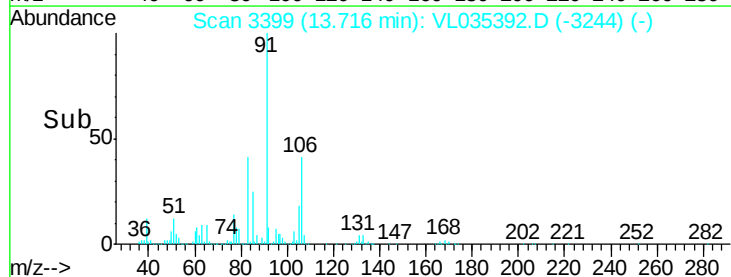
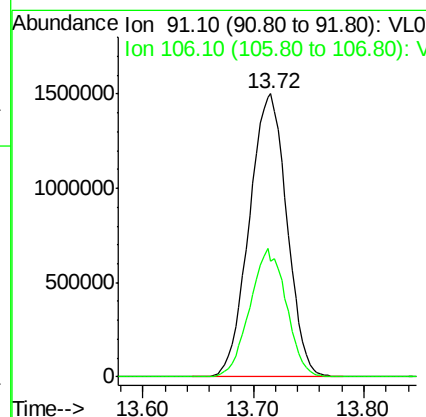
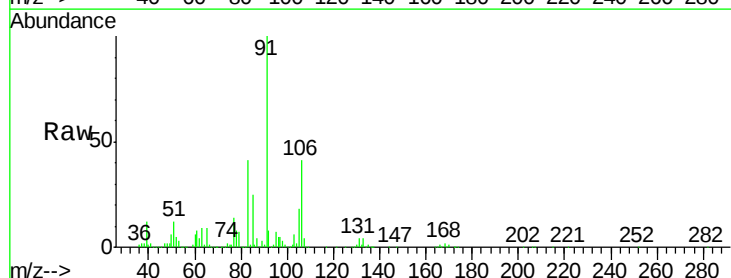
Manual Integrations
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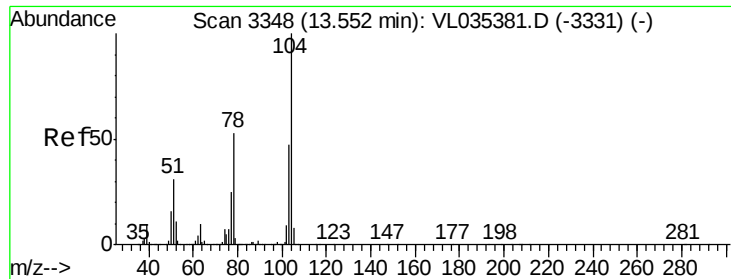
MMDadoda
8/17/2020 5:44:08 PM



#60
o-Xylene
Concen: 8.510 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion: 91 Resp: 3551235
Ion Ratio Lower Upper
91 100
106 43.8 22.2 66.6





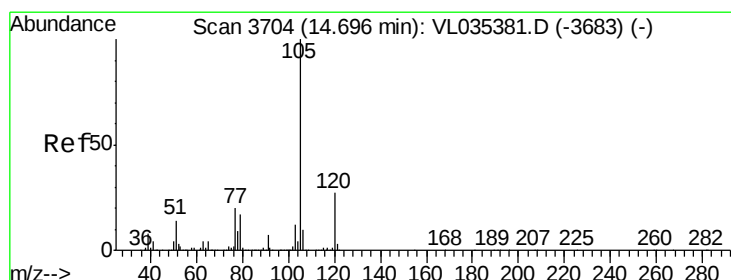
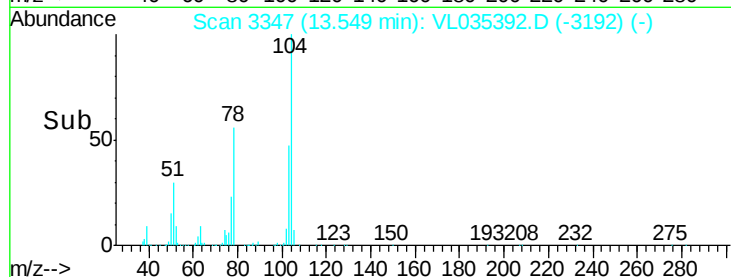
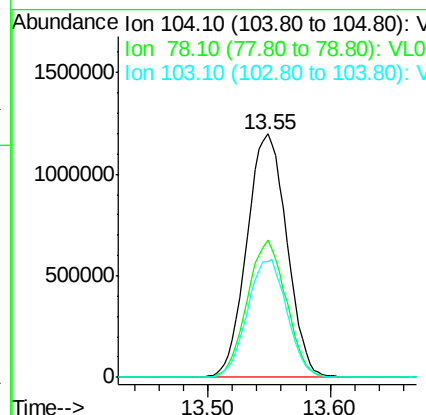
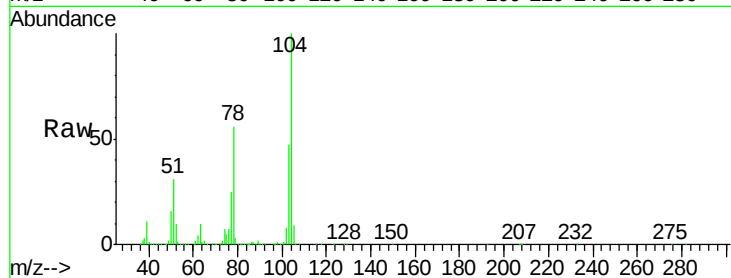
#61
Stvrene
Concen: 8.792 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.0	64.4
103	48.0	37.9	56.9

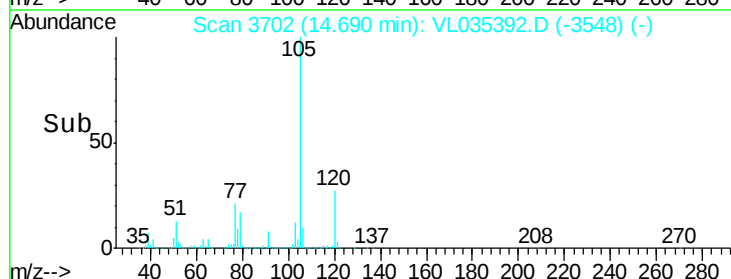
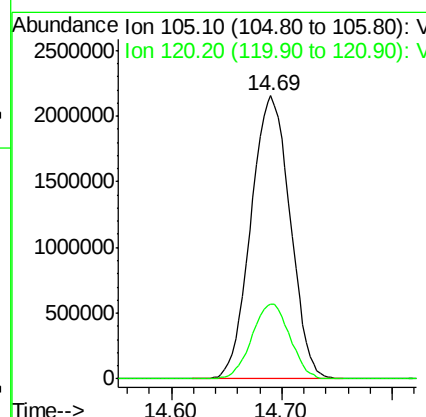
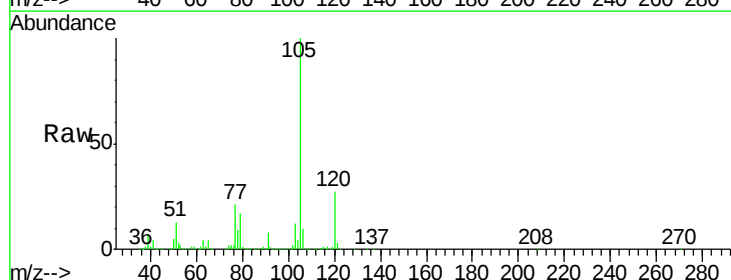
Manual Integrations
APPROVED

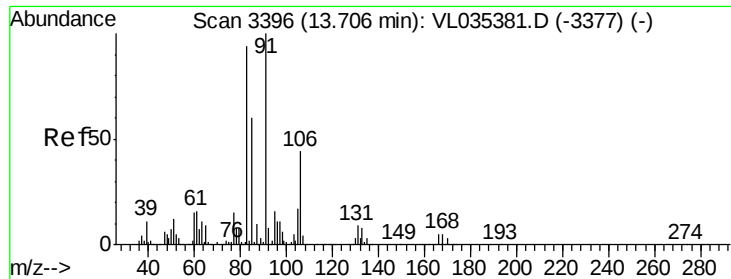
MMDadoda
8/17/2020 5:44:08 PM



#62
Isopropylbenzene
Concen: 8.468 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.1	31.7





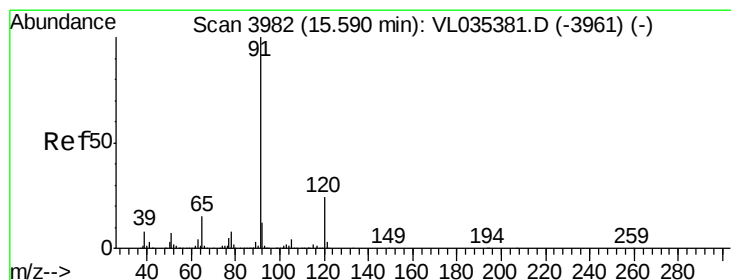
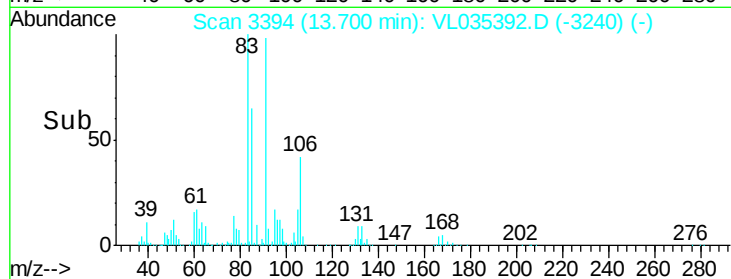
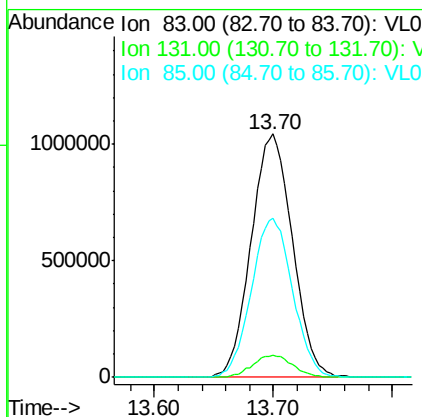
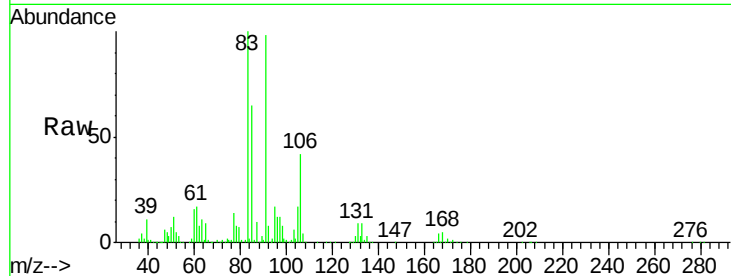
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.223 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	83	Resp	2502893
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.7
85	65.3	32.4	97.0

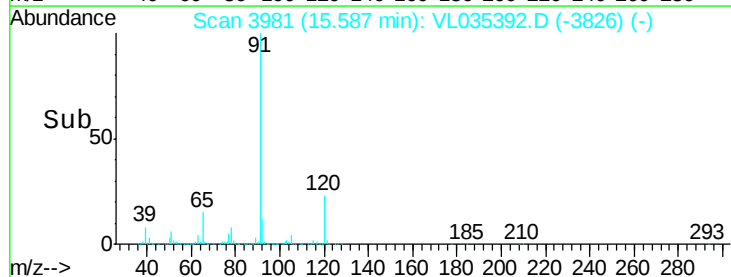
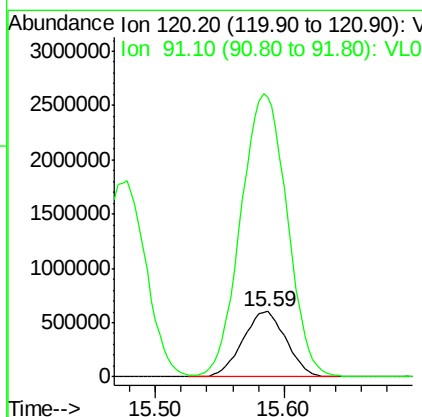
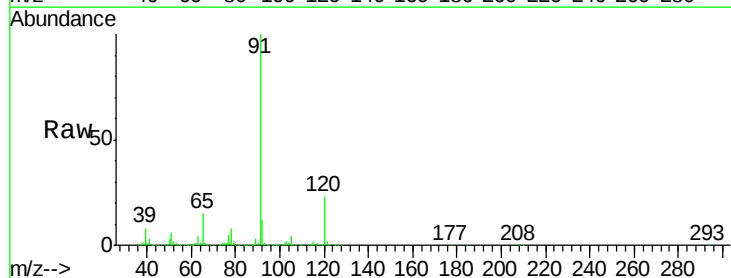
Manual Integrations
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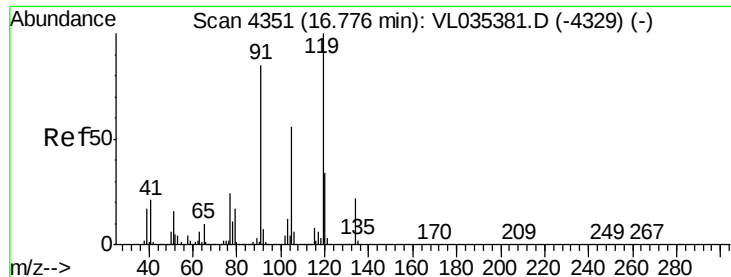
MMDadoda
 8/17/2020 5:44:08 PM



#64
 n-propylbenzene
 Concen: 8.597 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	120	Resp	1419518
Ion Ratio	Lower	Upper	
120	100		
91	460.1	356.2	534.4





#65

tert-Butylbenzene

Concen: 8.250 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:119 Resp: 4545793

Ion Ratio Lower Upper

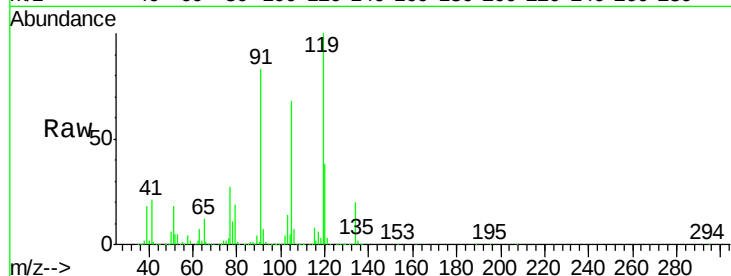
119 100

91 87.1 68.2 102.4

134 19.7 16.2 24.4

Manual Integrations
APPROVED

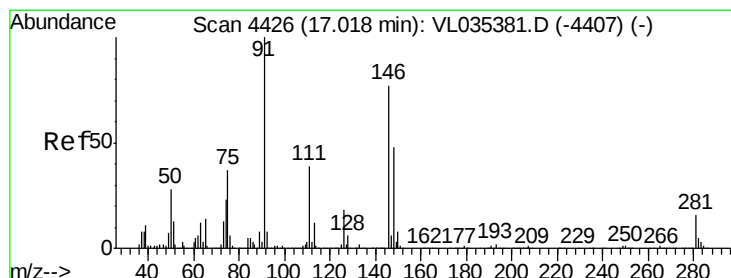
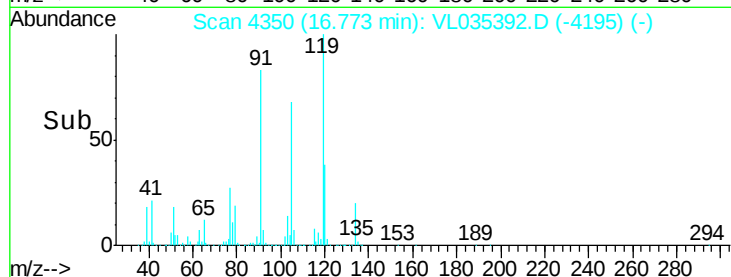
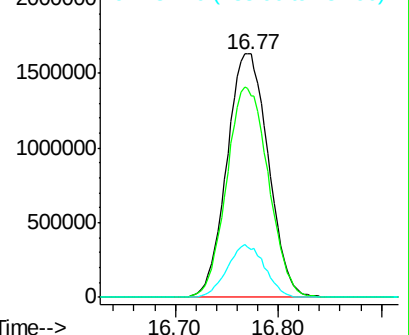
MMDadoda
8/17/2020 5:44:08 PM



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: 8.517 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

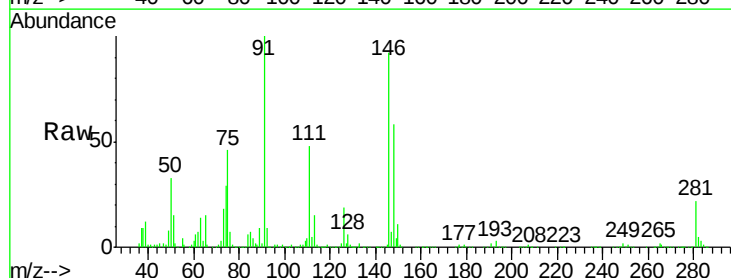
Tgt Ion: 91 Resp: 2119654

Ion Ratio Lower Upper

91 100

126 17.6 14.4 21.6

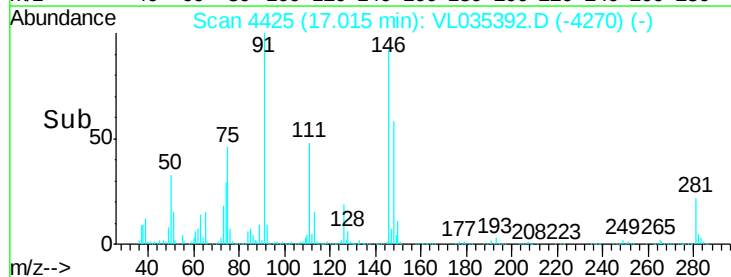
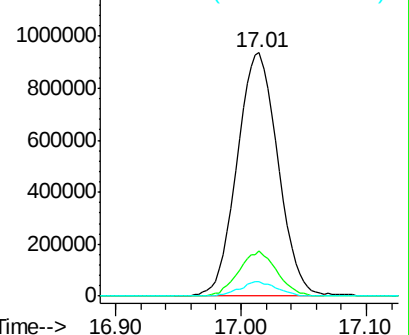
128 5.4 4.6 7.0

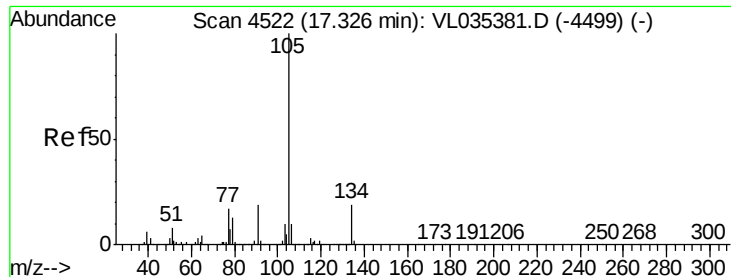


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





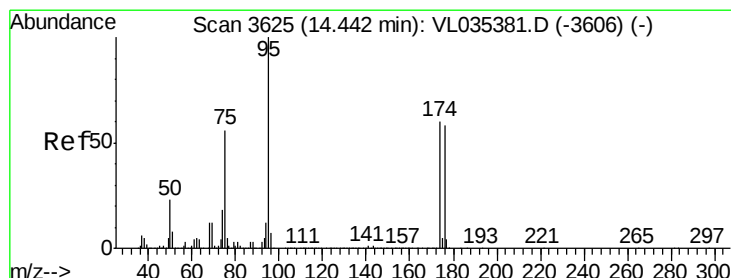
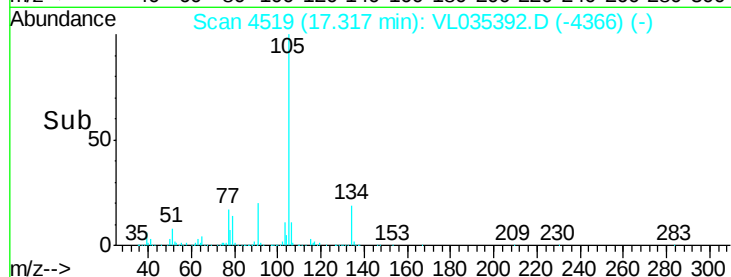
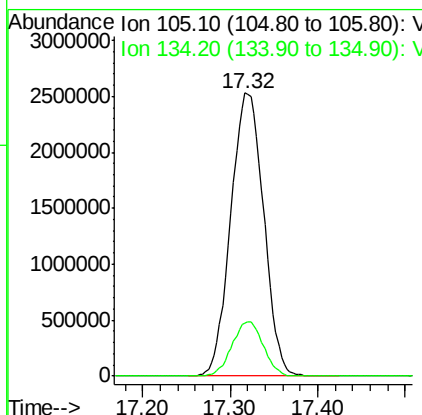
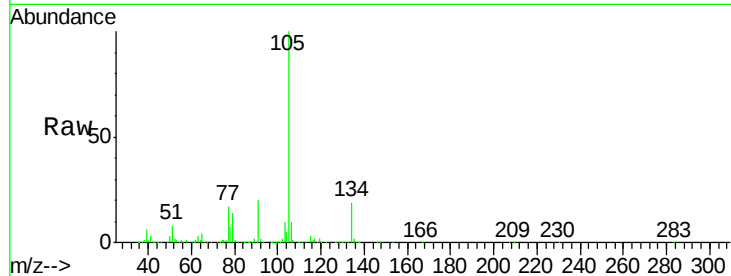
#67
 sec-Butylbenzene
 Concen: 8.315 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion: 105 Resp: 6604918
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6

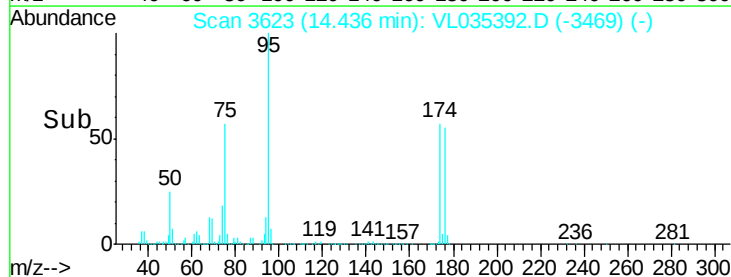
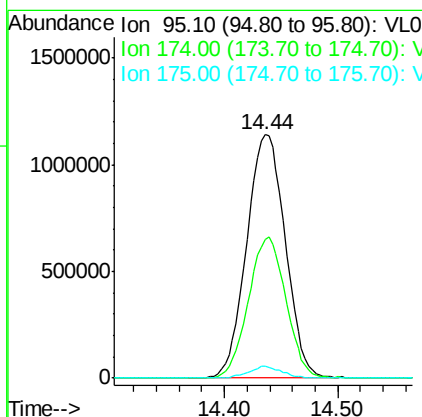
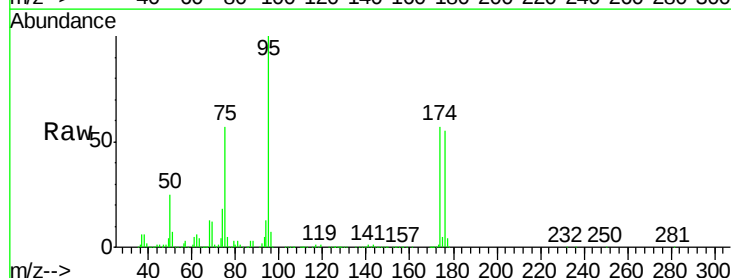
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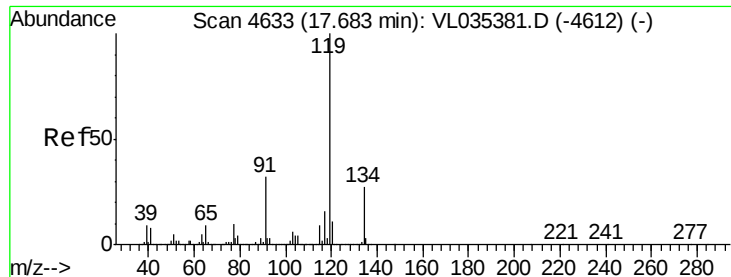
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.264 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion: 95 Resp: 2709614
 Ion Ratio Lower Upper
 95 100
 174 56.5 48.2 72.2
 175 4.2 3.7 5.5





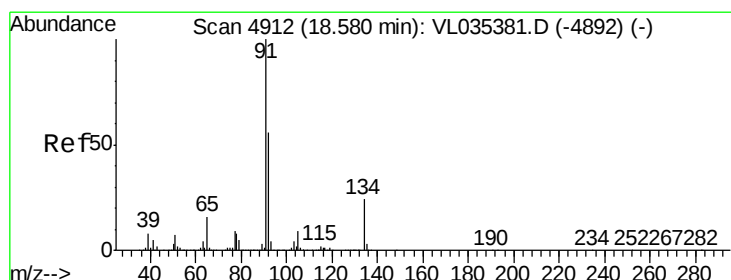
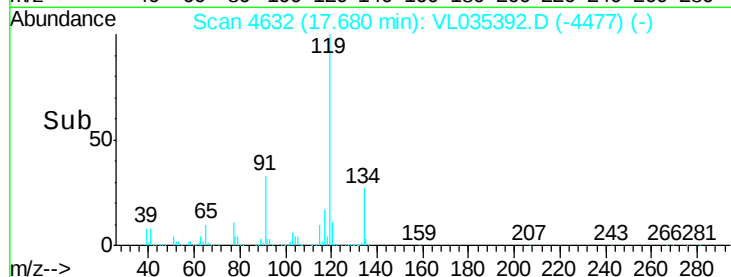
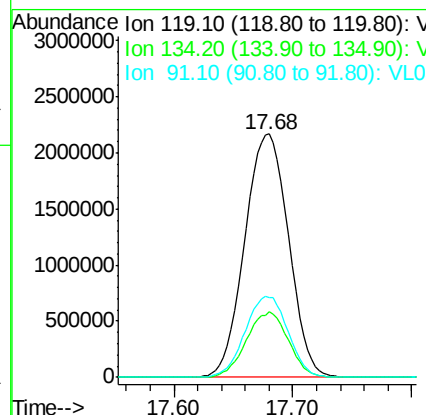
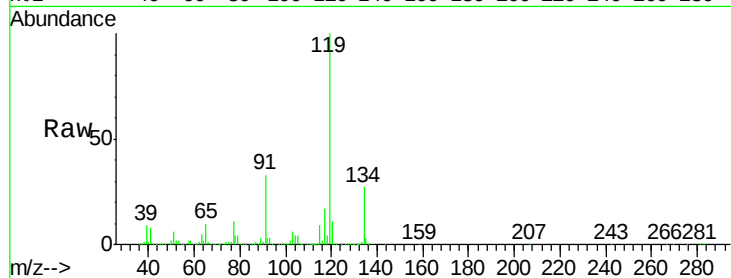
#69
 p-Isopropyltoluene
 Concen: 8.329 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.9	31.3
91	32.8	25.3	37.9

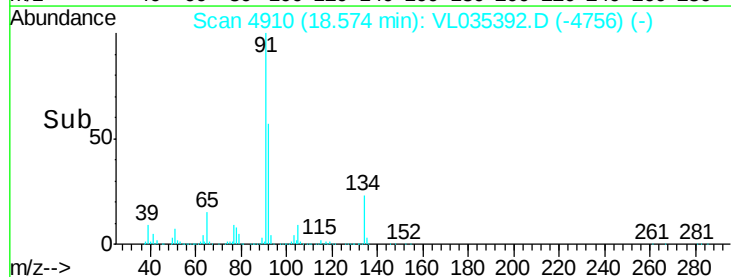
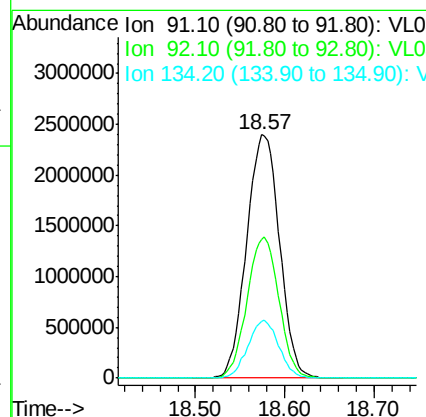
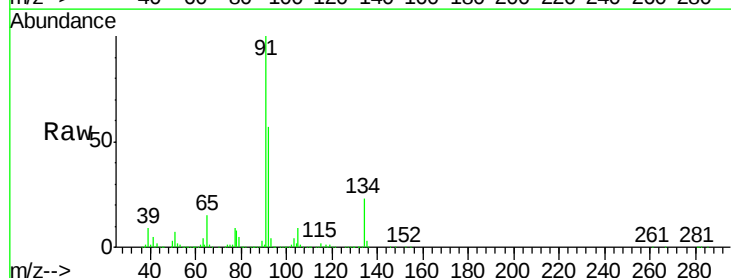
Manual Integrations
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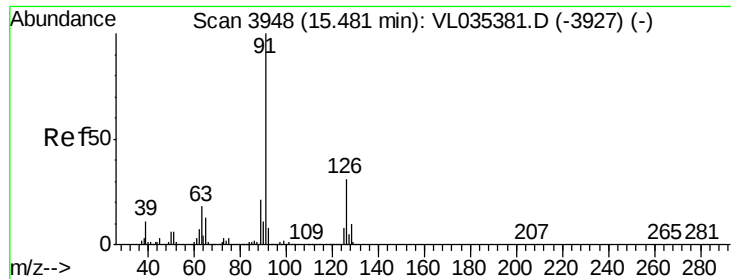
MMDadoda
 8/17/2020 5:44:08 PM



#70
 n-Butylbenzene
 Concen: 8.407 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	45.0	67.6
134	22.3	18.8	28.2





#71

2-Chlorotoluene

Concen: 8.684 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 91 Resp: 4375479

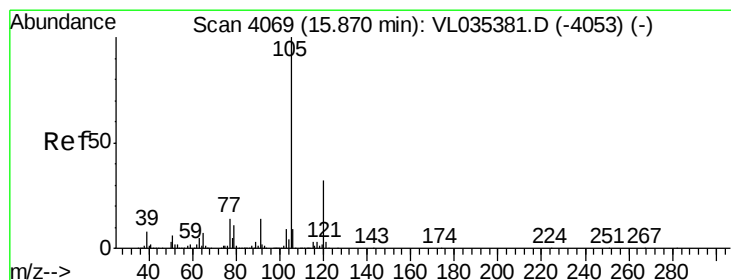
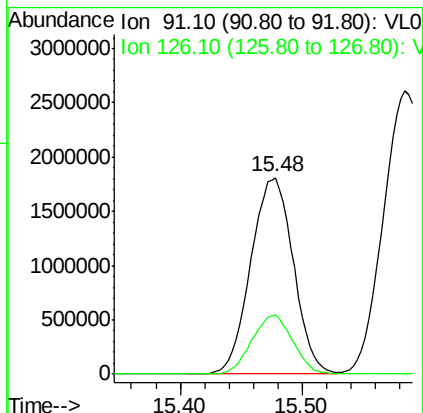
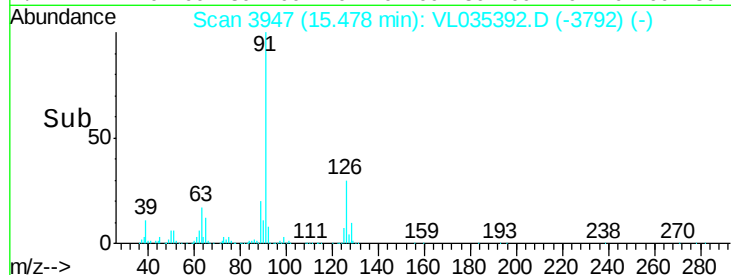
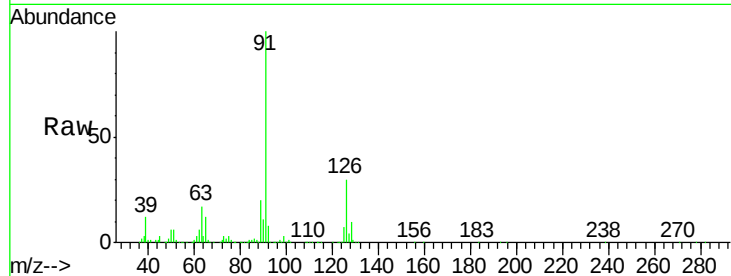
Ion Ratio Lower Upper

91 100

126 29.1 12.1 48.3

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#72

4-Ethyltoluene

Concen: 8.550 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.01 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion: 105 Resp: 4355069

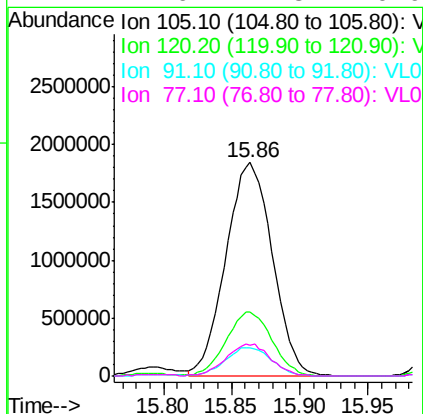
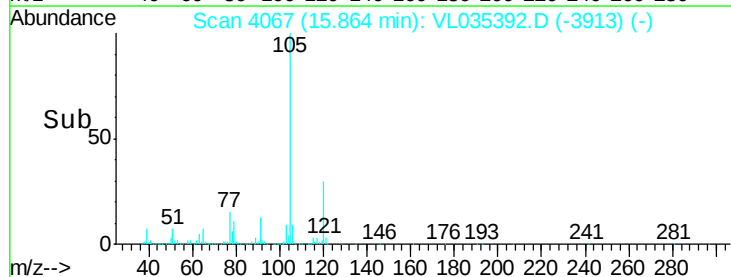
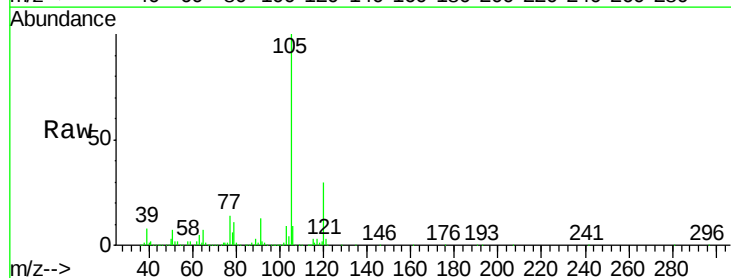
Ion Ratio Lower Upper

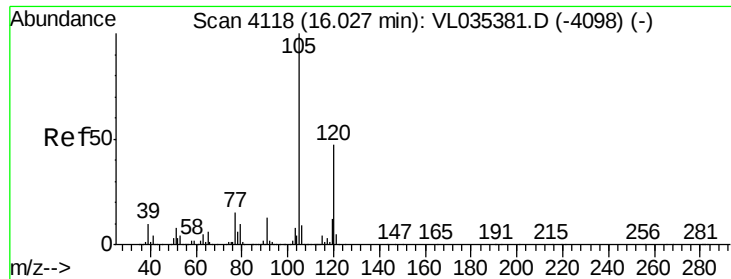
105 100

120 29.6 24.0 36.0

91 13.2 10.4 15.6

77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.660 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:105 Resp: 4136017

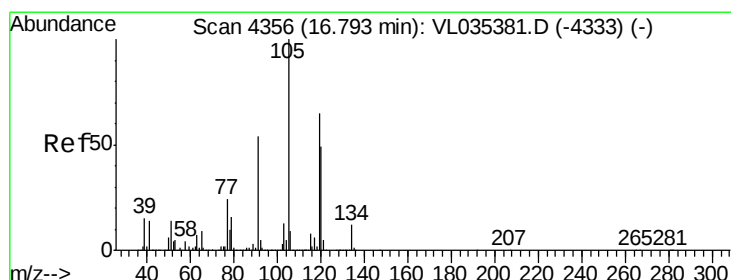
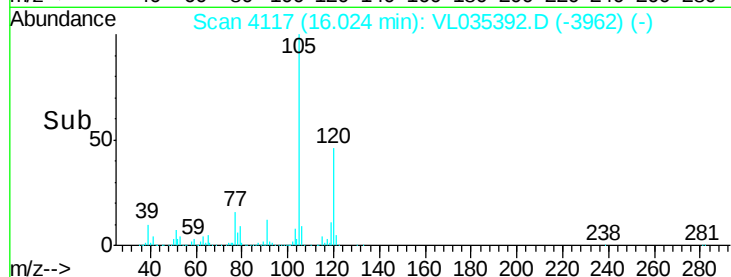
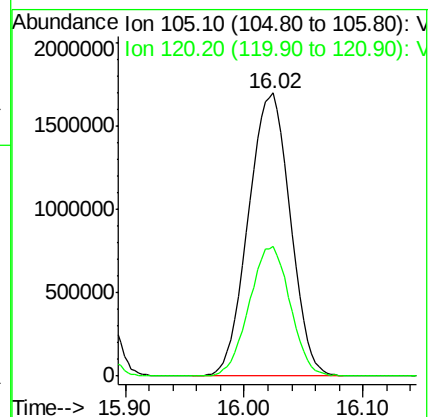
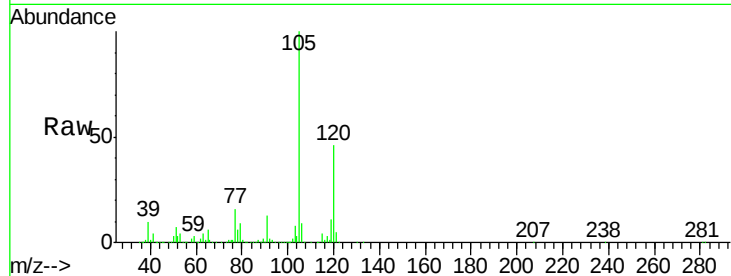
Ion Ratio Lower Upper

105 100

120 45.9 37.4 56.0

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#74

1,2,4-Trimethylbenzene

Concen: 8.229 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL035392.D

Acq: 12 Aug 2020 22:55

Tgt Ion:105 Resp: 4133370

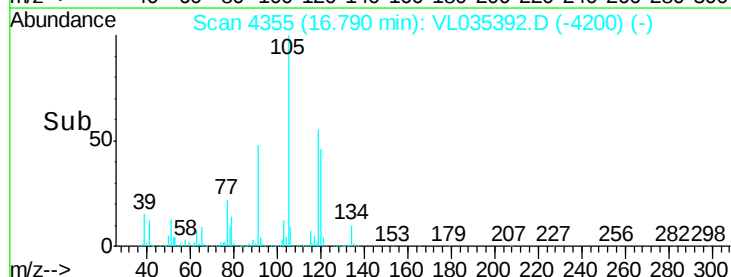
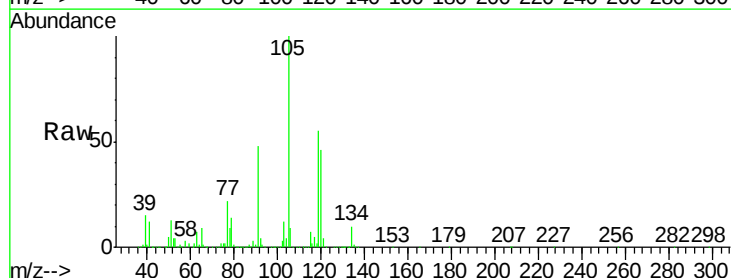
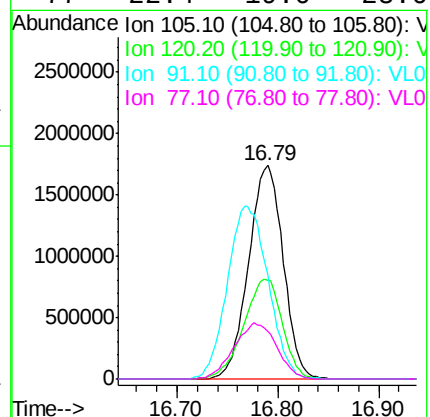
Ion Ratio Lower Upper

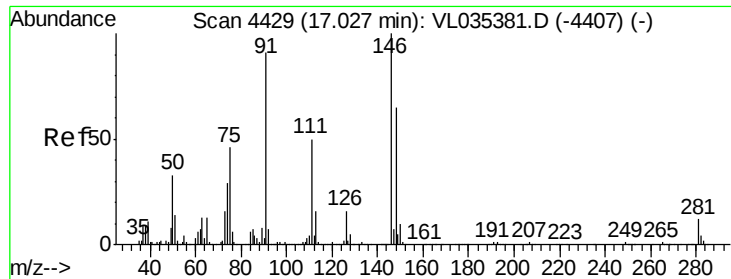
105 100

120 46.2 39.1 58.7

91 48.4 43.7 65.5

77 22.4 19.0 28.6





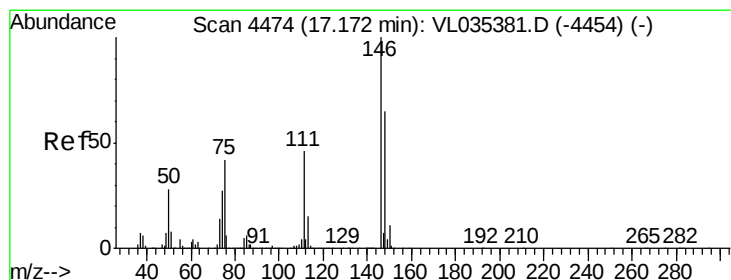
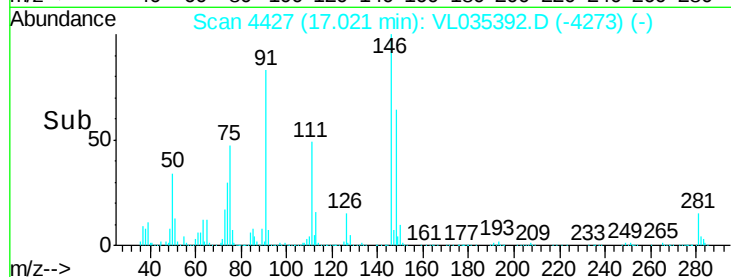
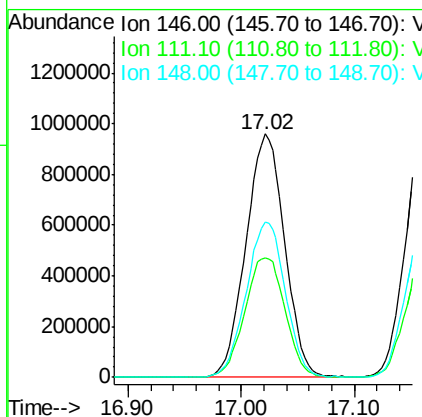
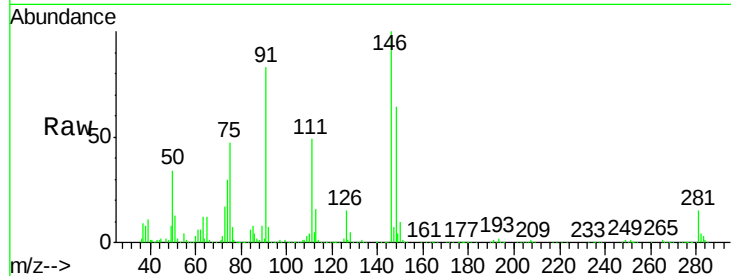
#75
 1,3-Dichlorobenzene
 Concen: 8.329 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion:146 Resp: 2282945
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.0 75.0
 148 64.6 32.6 97.7

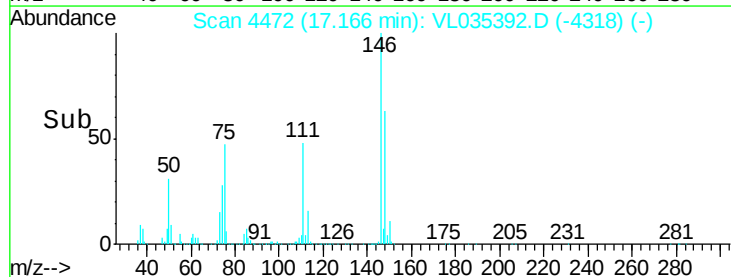
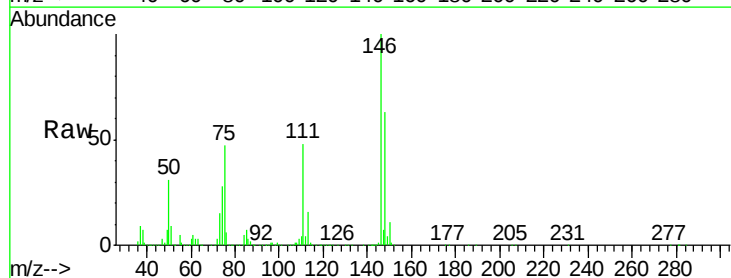
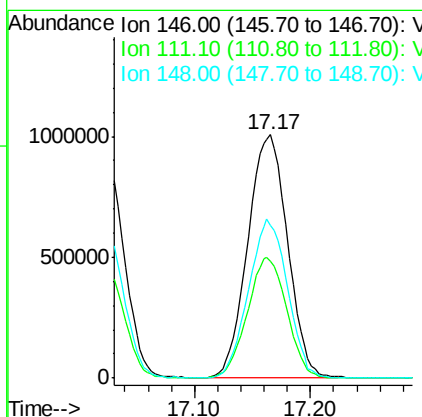
Manual Integrations
 APPROVED

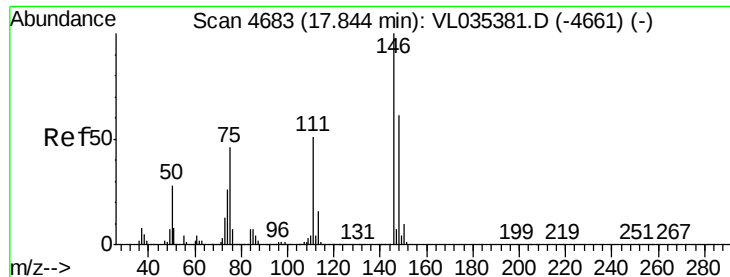
MMDadoda
 8/17/2020 5:44:08 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.486 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. -0.01 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion:146 Resp: 2389202
 Ion Ratio Lower Upper
 146 100
 111 49.5 24.0 72.0
 148 64.5 32.5 97.5





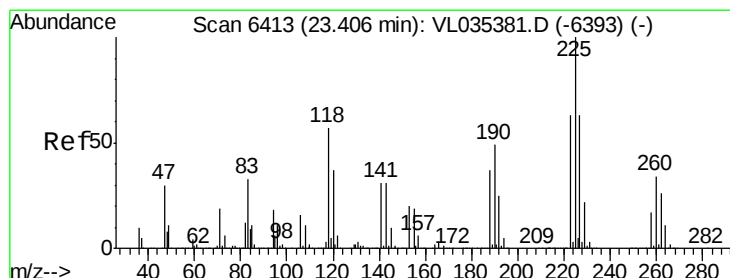
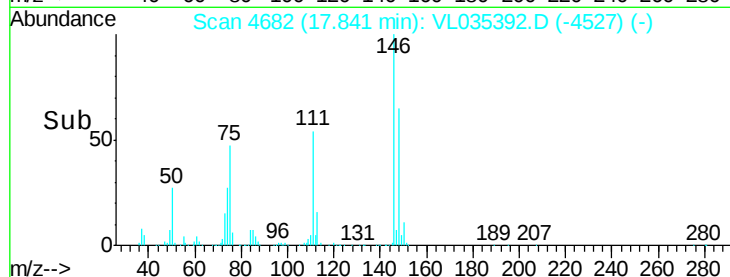
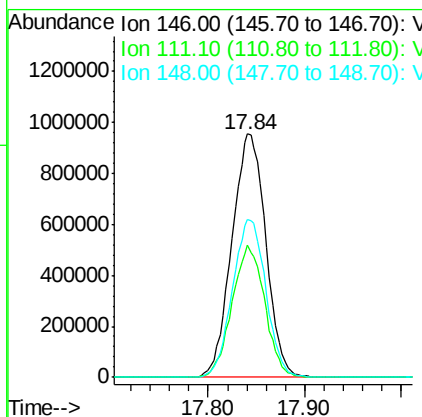
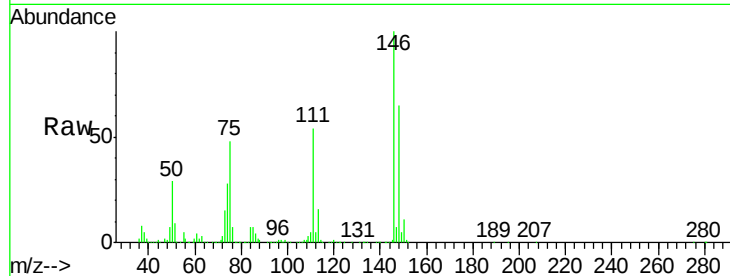
#77
 1,2-Dichlorobenzene
 Concen: 8.427 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.3	25.9	77.8
148	63.8	32.1	96.3

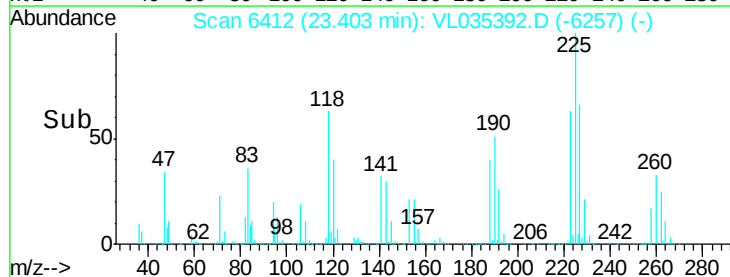
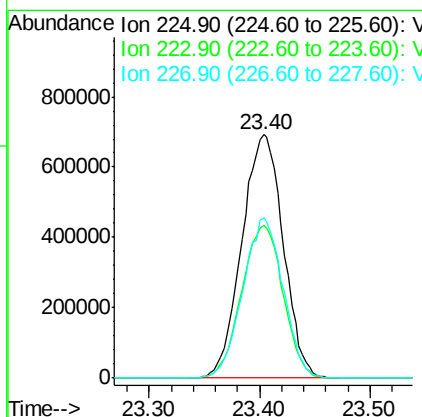
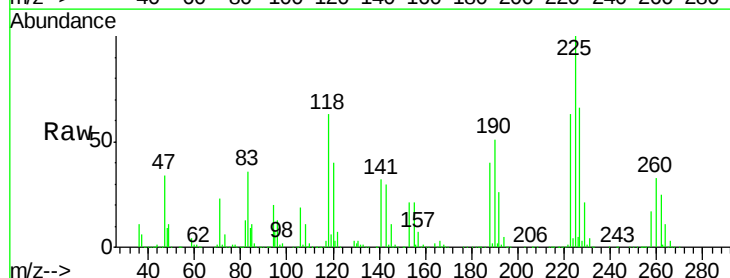
Manual Integrations
 APPROVED

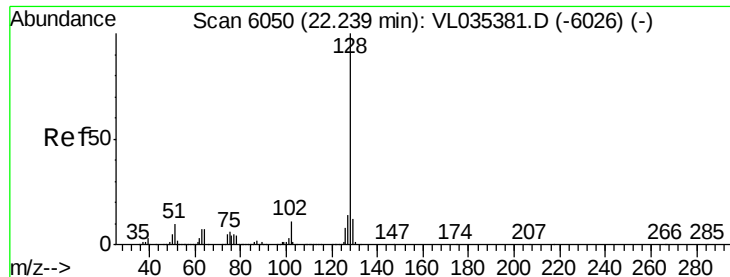
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.891 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	64.0	51.0	76.6





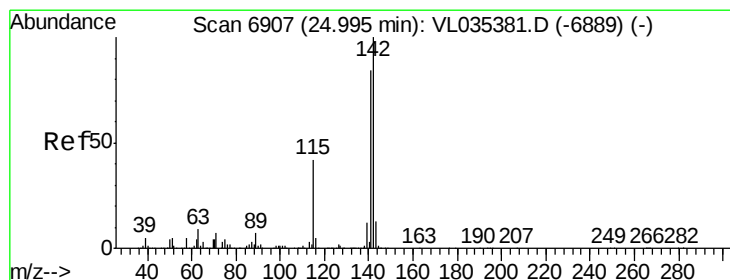
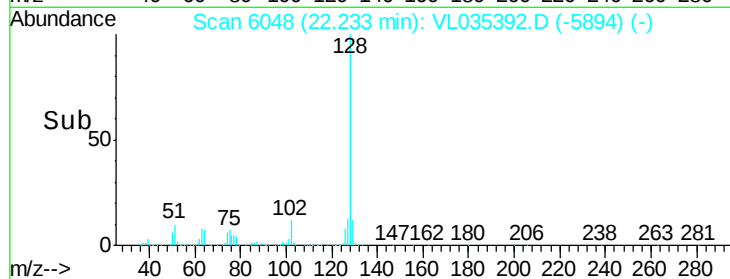
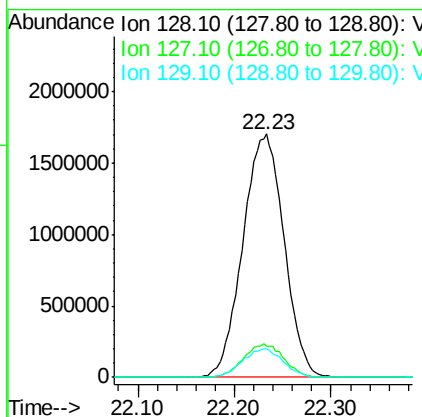
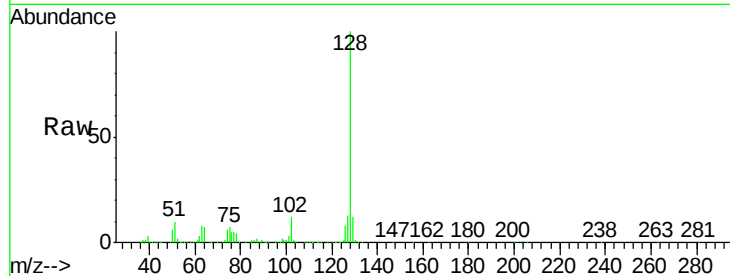
#79
Naphthalene
Concen: 8.046 ppbv
RT: 22.23 min Scan# 6048
Delta R.T. -0.01 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.0	16.4
129	11.7	9.2	13.8

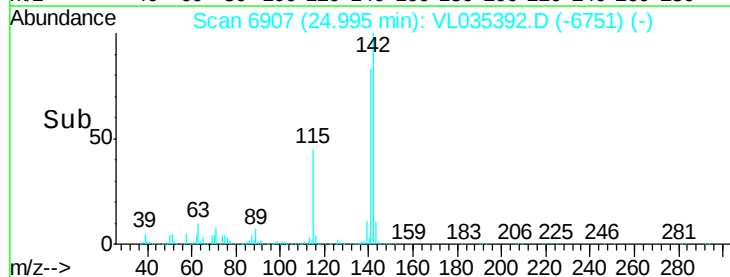
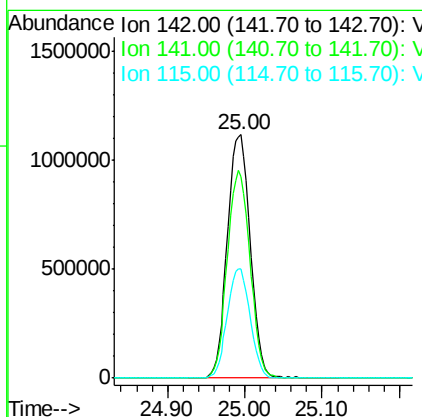
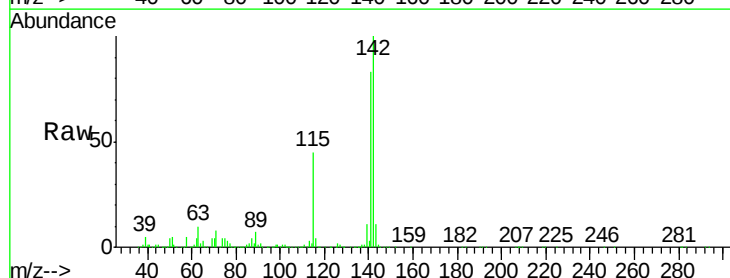
Manual Integrations
APPROVED

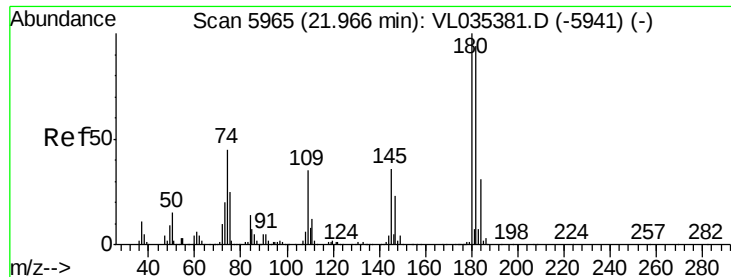
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#80
Naphthalene, 2-methyl-
Concen: 7.855 ppbv
RT: 25.00 min Scan# 6907
Delta R.T. 0.00 min
Lab File: VL035392.D
Acq: 12 Aug 2020 22:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.7	101.5
115	44.7	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.959 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.00 min
 Lab File: VL035392.D
 Acq: 12 Aug 2020 22:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion:	180	Resp:	2356737
Ion Ratio	Lower	Upper	
180	100		
182	95.8	77.6	116.4
184	31.0	24.7	37.1

Manual Integrations
 APPROVED

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