

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035643.D
 Acq On : 17 Sep 2020 00:24
 Operator : SY/AP
 Sample : VL0916ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0916ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:52:56 PM

Quant Time: Sep 17 08:08:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1094171	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4362914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4220480	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3158456	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	68700	0.362	ppbv	99
3) Chlorodifluoromethane	2.98	51	31419	0.260	ppbv	98
4) Chloromethane	3.13	50	17443	0.269	ppbv	97
5) Vinyl Chloride	3.25	62	18308	0.229	ppbv #	83
6) Bromomethane	3.47	94	16118	0.240	ppbv	98
7) Chloroethane	3.56	64	6750	0.239	ppbv #	87
8) Dichlorotetrafluoroethane	3.18	85	60618	0.264	ppbv	89
9) Propene	3.00	41	12387	0.266	ppbv	93
10) Heptane	8.13	43	19150	0.153	ppbv	98
11) Trichlorofluoromethane	3.94	101	70729	0.256	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	52741	0.253	ppbv	96
13) Ethanol	3.62	45	5533m	0.478	ppbv	
14) Bromoethene	3.74	108	18378	0.205	ppbv	96
15) Acetone	3.86	43	36166	0.300	ppbv	97
16) 1,3-Butadiene	3.32	39	9263	0.206	ppbv	100
17) tert-Butyl alcohol	4.32	59	27731	0.189	ppbv	99
18) 1,1-Dichloroethene	4.29	96	21445	0.233	ppbv	93
19) Isopropyl Alcohol	3.99	45	15278	0.212	ppbv #	83
20) Methylene Chloride	4.34	84	55342	0.616	ppbv	96
21) Allyl Chloride	4.40	41	12903	0.228	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	23590	0.241	ppbv	91
23) Vinyl Acetate	5.07	43	26348	0.170	ppbv #	89
24) 1,1-Dichloroethane	5.01	63	38149	0.239	ppbv	97
25) Ethyl Acetate	5.68	43	47338	0.222	ppbv	97
26) Hexane	5.68	57	31939	0.264	ppbv	85
27) Carbon Disulfide	4.55	76	32848	0.189	ppbv #	91
28) Methyl tert-Butyl Ether	5.05	73	36597	0.174	ppbv	99
29) Chloroform	5.75	83	56999	0.232	ppbv	99
30) Cyclohexane	7.13	84	25612m	0.198	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	19460	0.157	ppbv	92
32) 1,1,1-Trichloroethane	6.51	97	46856	0.196	ppbv	94
34) 2-Butanone	5.26	43	22029	0.170	ppbv	98
35) Carbon Tetrachloride	7.01	117	47127	0.215	ppbv	88
36) Benzene	6.89	78	48224	0.171	ppbv #	93
37) 1,2-Dichloroethane	6.30	62	32423	0.241	ppbv	97
38) Trichloroethene	7.83	130	28057	0.171	ppbv	92
39) 1,2-Dichloropropane	7.61	63	22026m	0.231	ppbv	
40) 1,4-Dioxane	7.91	88	6756m	0.142	ppbv	
41) Tetrahydrofuran	6.08	42	9186	0.134	ppbv	91
42) Bromodichloromethane	7.79	83	48101	0.221	ppbv #	97
43) Methyl Methacrylate	8.02	69	15064	0.138	ppbv	92

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

44) 2,2,4-Trimethylpentane	7.87	57	60866	0.164	ppbv	# 86
45) t-1,3-Dichloropropene	9.28	75	14411m	0.130	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	19388	0.141	ppbv	# 92
47) 1,1,2-Trichloroethane	9.47	97	31899	0.227	ppbv	95
48) Dibromochloromethane	10.31	129	36148	0.163	ppbv	100
49) Bromoform	13.04	173	30302m	0.151	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	25192m	0.134	ppbv	
51) 2-Hexanone	10.17	43	14376m	0.093	ppbv	
52) Tetrachloroethene	11.23	164	29845m	0.181	ppbv	
53) Toluene	9.81	91	48758	0.137	ppbv	96
54) 1,2-Dibromoethane	10.61	107	43968m	0.198	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	39307m	0.229	ppbv	
57) Chlorobenzene	12.15	112	81363	0.262	ppbv	# 96
58) Ethyl Benzene	12.72	91	68104m	0.156	ppbv	
59) m/p-Xylene	13.01	91	123186m	0.339	ppbv	
60) o-Xylene	13.70	91	60392m	0.165	ppbv	
61) Styrene	13.54	104	32065	0.114	ppbv	99
62) Isopropylbenzene	14.68	105	113216	0.192	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.69	83	75021	0.264	ppbv	98
64) n-propylbenzene	15.57	120	26799m	0.149	ppbv	
65) tert-Butylbenzene	16.77	119	78062	0.143	ppbv	90
66) Benzyl Chloride	17.00	91	21801m	0.160	ppbv	
67) sec-Butylbenzene	17.31	105	127346	0.175	ppbv	91
69) p-Isopropyltoluene	17.67	119	90456	0.142	ppbv	96
70) n-Butylbenzene	18.58	91	100873	0.164	ppbv	# 86
71) 2-Chlorotoluene	15.46	91	72970	0.170	ppbv	92
72) 4-Ethyltoluene	15.85	105	63461	0.136	ppbv	# 94
73) 1,3,5-Trimethylbenzene	16.01	105	62602	0.145	ppbv	93
74) 1,2,4-Trimethylbenzene	16.78	105	79126	0.167	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	84154m	0.240	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	70374	0.204	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	74802	0.220	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	51294m	0.237	ppbv	
79) Naphthalene	22.23	128	92561	0.176	ppbv	# 95
80) Naphthalene, 2-methyl-	25.00	142	11420	0.064	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	60611m	0.193	ppbv	

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

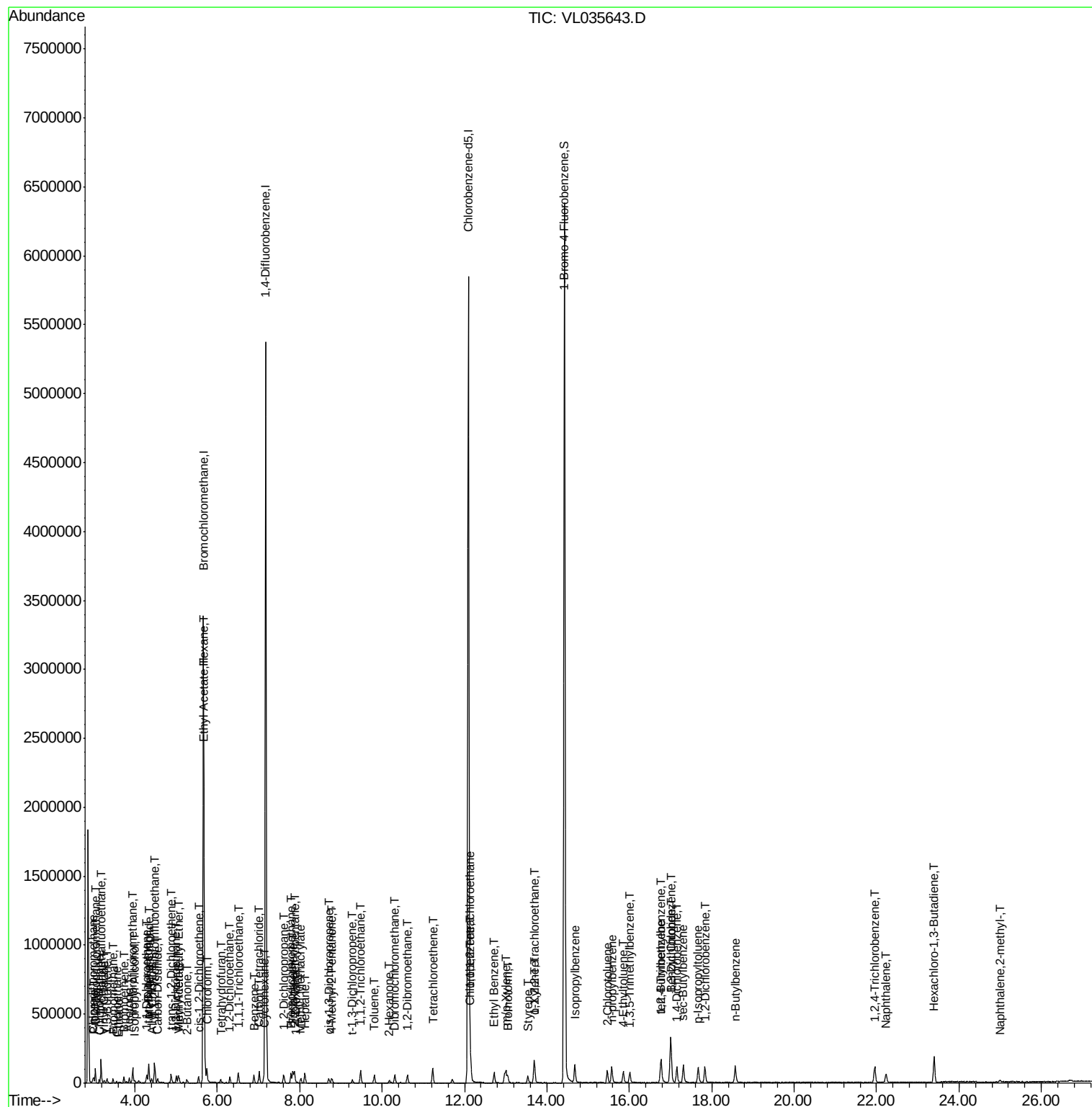
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
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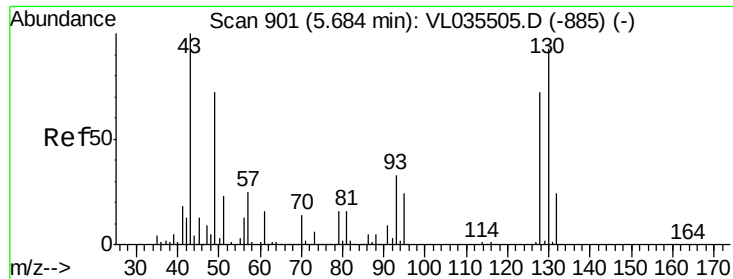
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

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QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 49 Resp: 1094171

Ion Ratio Lower Upper

49 100

128 90.7 50.0 150.1

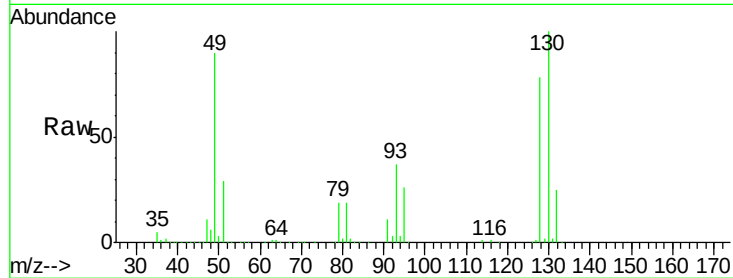
130 115.7 64.4 193.2

Manual Integrations

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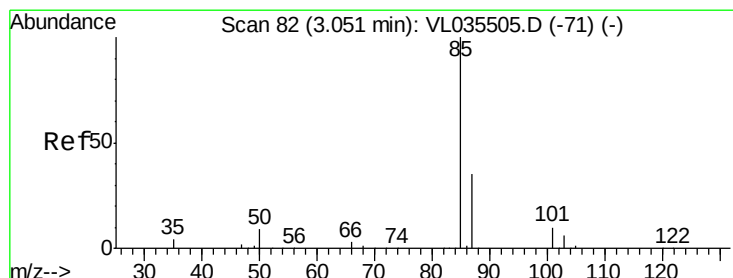
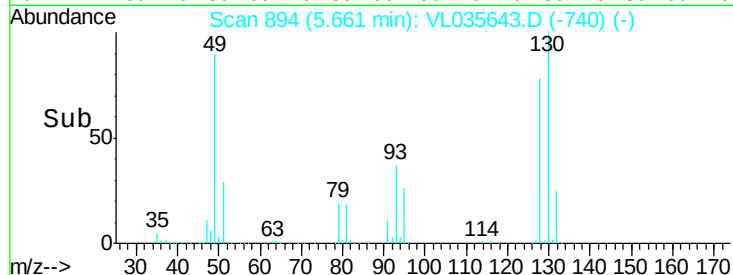
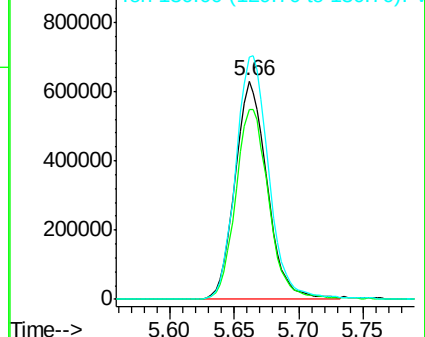
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.362 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL035643.D

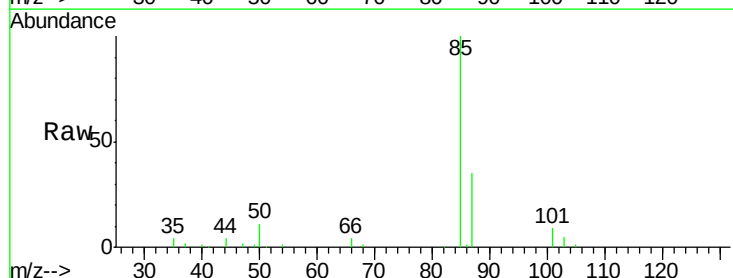
Acq: 17 Sep 2020 00:24

Tgt Ion: 85 Resp: 68700

Ion Ratio Lower Upper

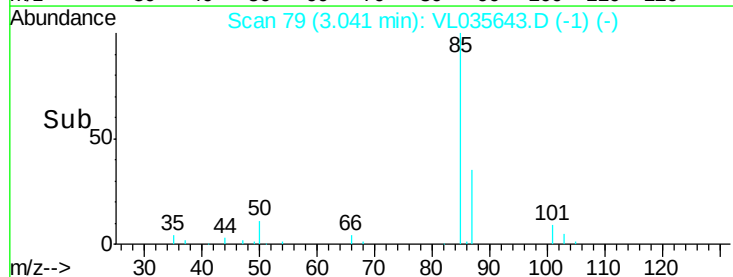
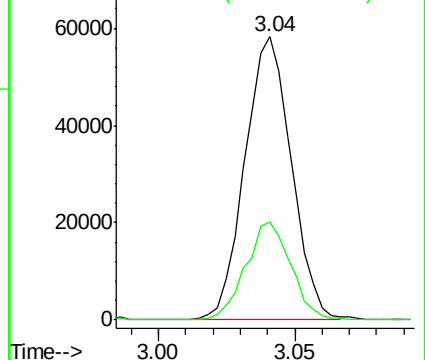
85 100

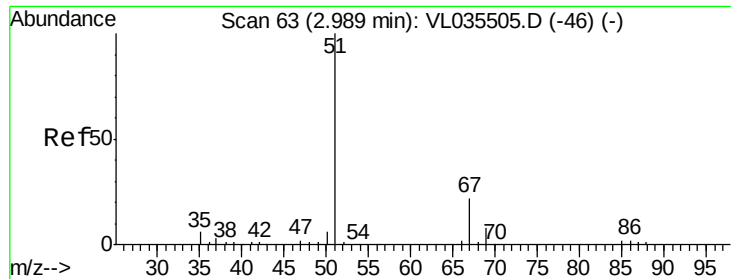
87 34.5 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.260 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tot Ion: 51 Resp: 31419

Ion Ratio Lower Upper

51 100

67 21.5 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

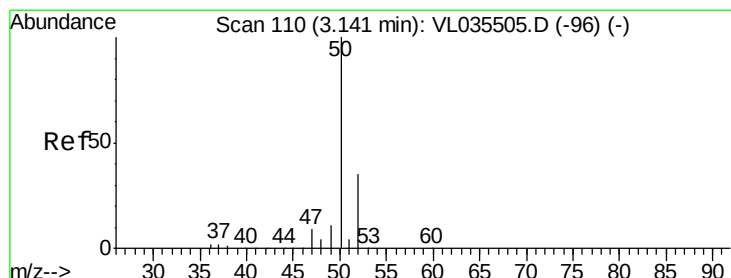
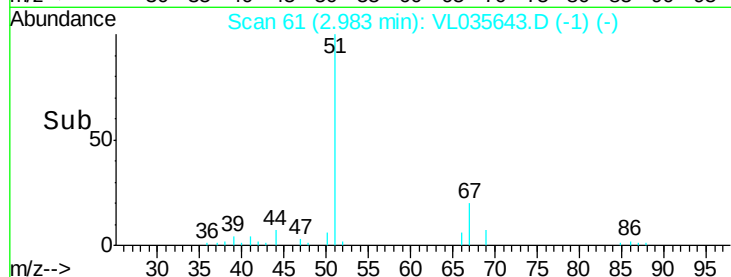
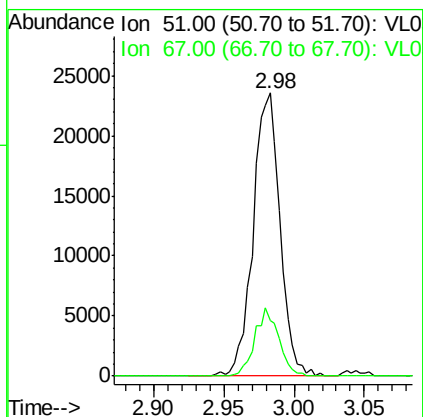
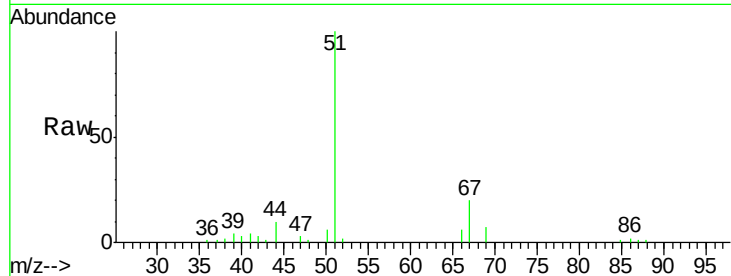
VL0916ABS01

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#4

Chloromethane

Concen: 0.269 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035643.D

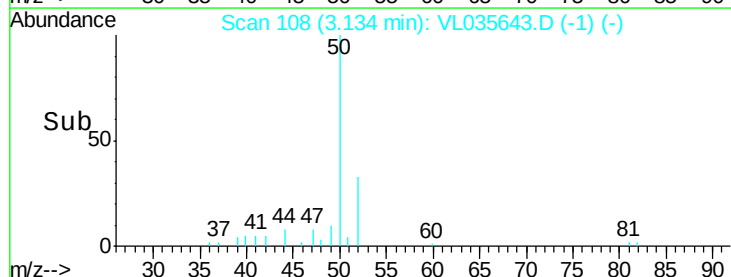
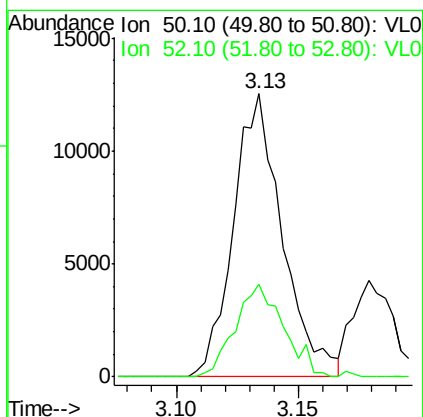
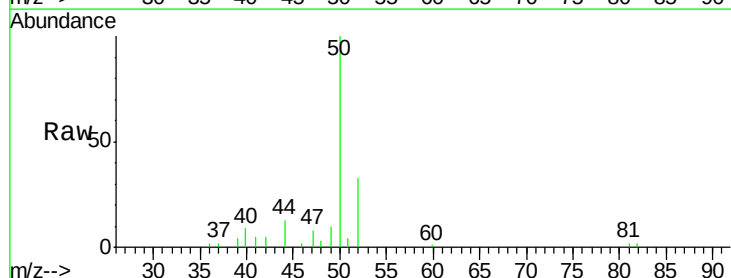
Acq: 17 Sep 2020 00:24

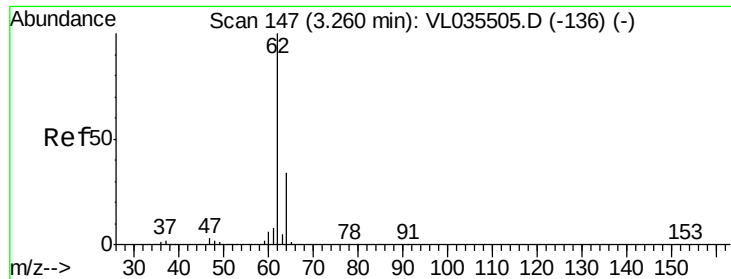
Tgt Ion: 50 Resp: 17443

Ion Ratio Lower Upper

50 100

52 32.6 27.7 41.5





#5

Vinyl Chloride

Concen: 0.229 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 62 Resp: 18308

Ion Ratio Lower Upper

62 100

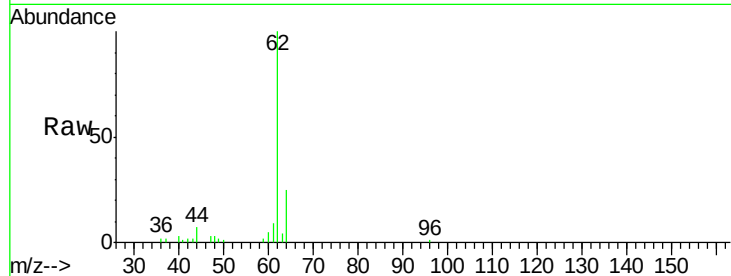
64 24.8 27.4 41.2#

Manual Integrations

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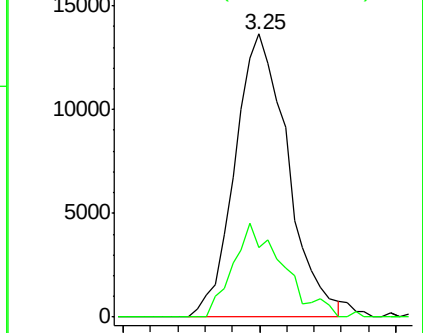
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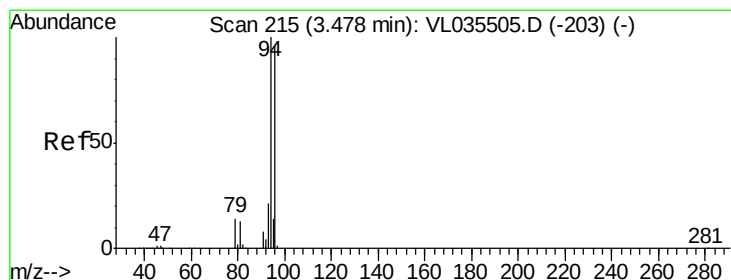
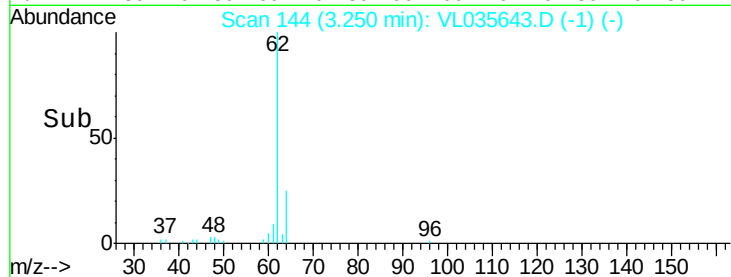


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time--> 3.20 3.25



#6

Bromomethane

Concen: 0.240 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL035643.D

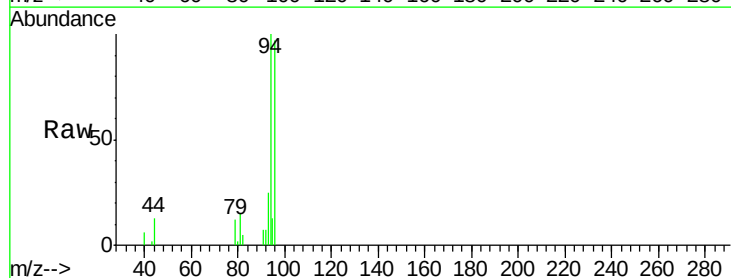
Acq: 17 Sep 2020 00:24

Tgt Ion: 94 Resp: 16118

Ion Ratio Lower Upper

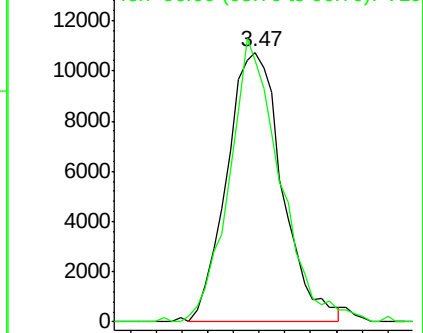
94 100

96 94.9 77.1 115.7

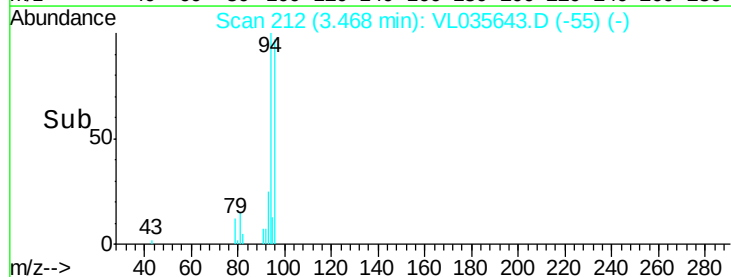


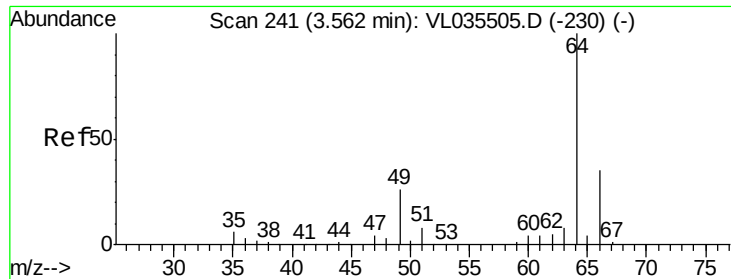
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time--> 3.45 3.50





#7

Chloroethane

Concen: 0.239 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 64 Resp: 6750

Ion Ratio Lower Upper

64 100

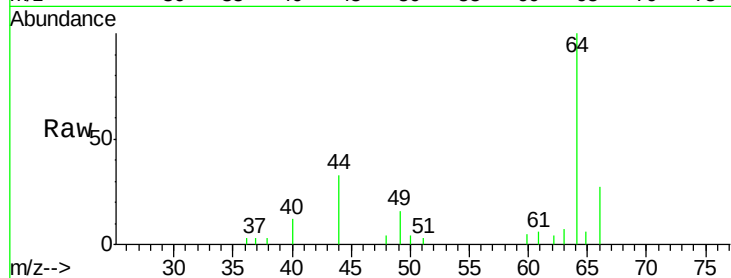
66 26.9 27.7 41.5#

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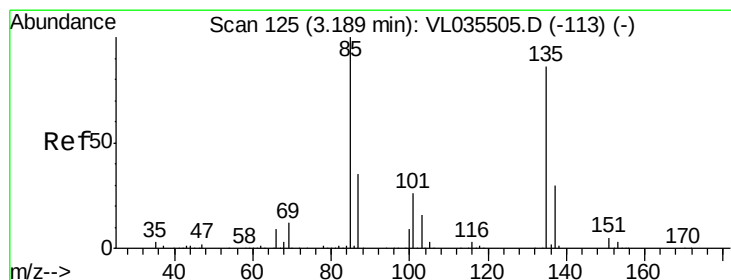
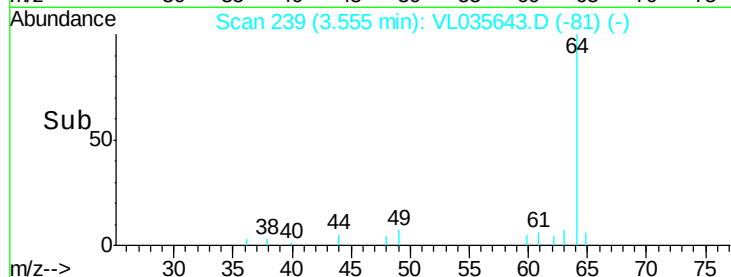
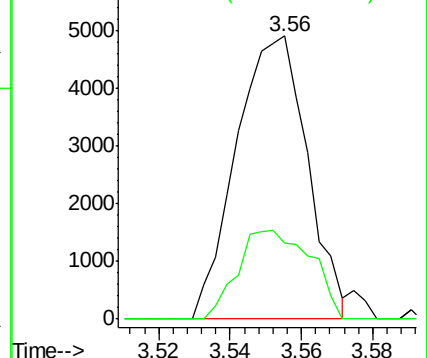
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.264 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL035643.D

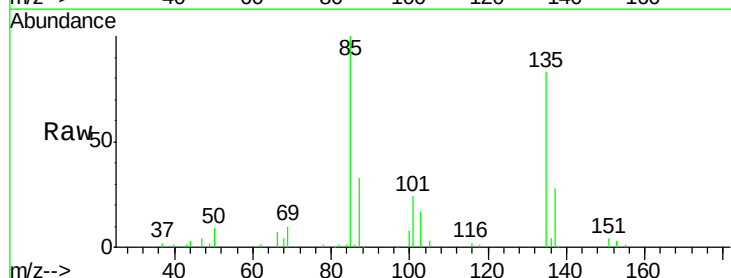
Acq: 17 Sep 2020 00:24

Tgt Ion: 85 Resp: 60618

Ion Ratio Lower Upper

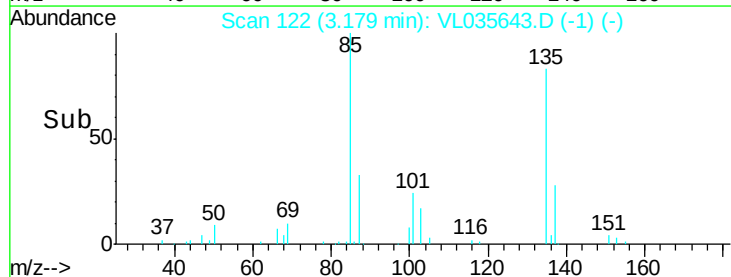
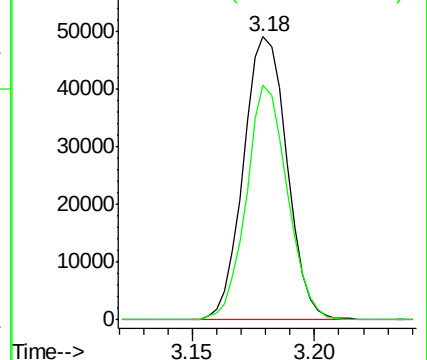
85 100

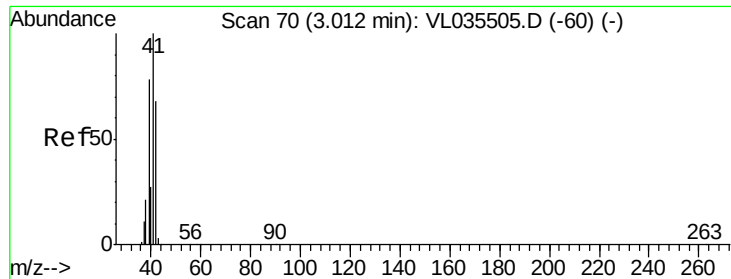
135 77.9 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.266 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 41 Resp: 12387

Ion Ratio Lower Upper

41 100

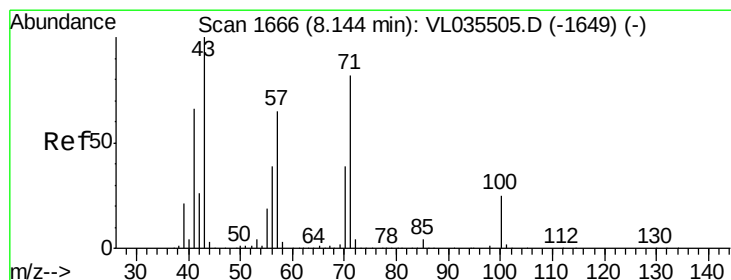
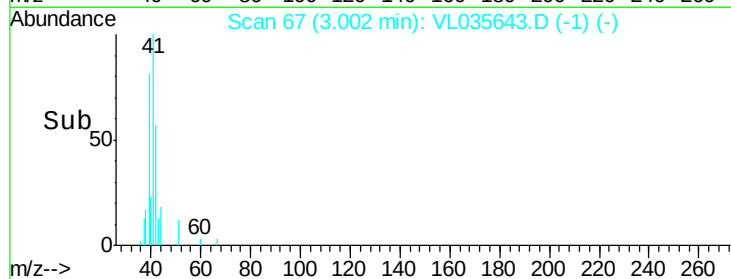
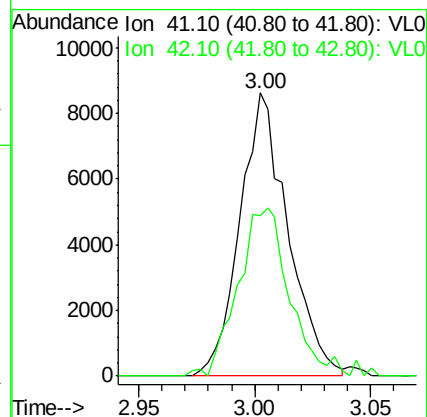
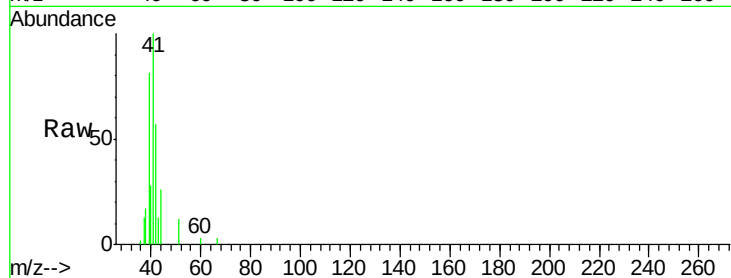
42 64.7 56.3 84.5

Manual Integrations

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#10

Heptane

Concen: 0.153 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL035643.D

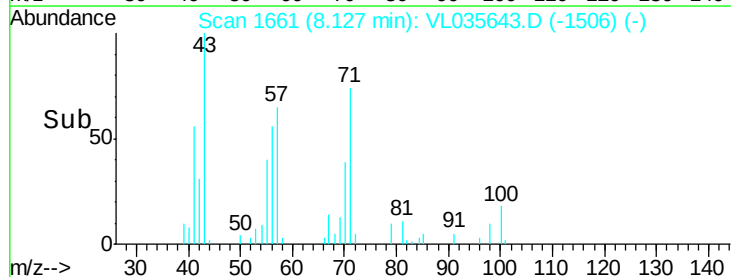
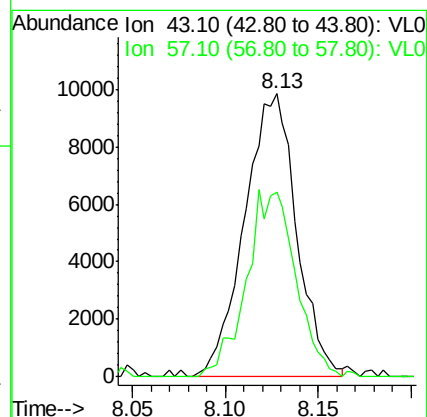
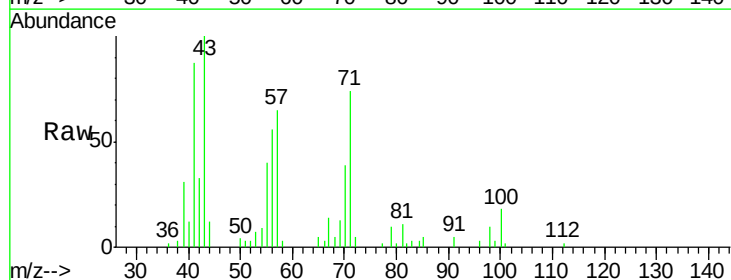
Acq: 17 Sep 2020 00:24

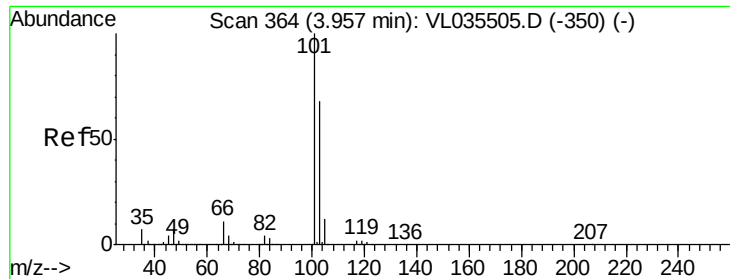
Tgt Ion: 43 Resp: 19150

Ion Ratio Lower Upper

43 100

57 62.8 51.4 77.0





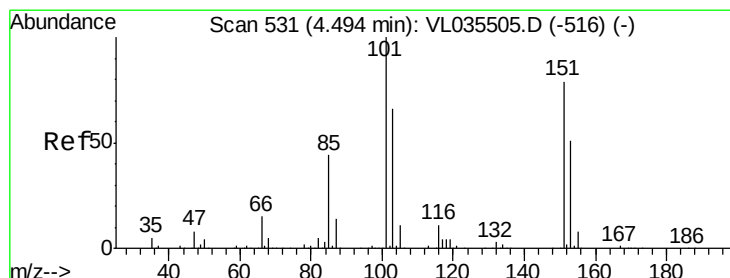
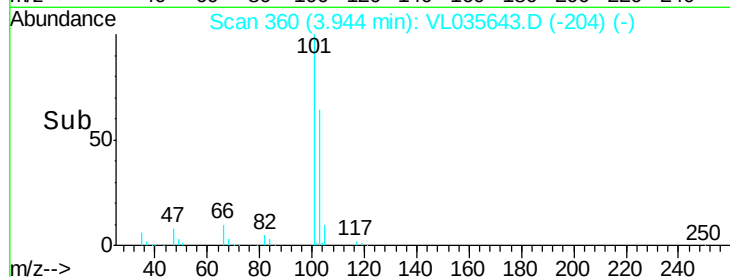
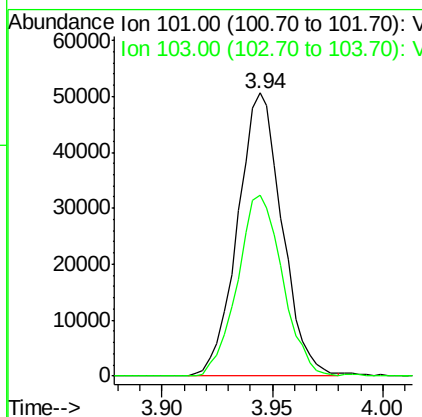
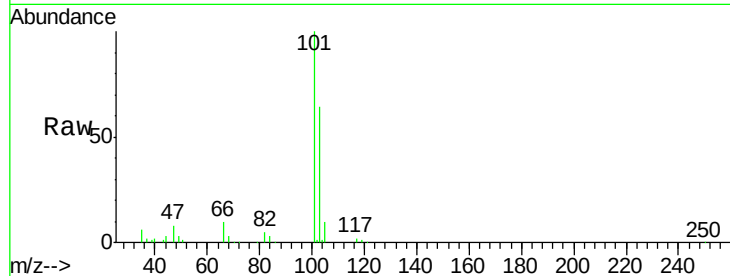
#11
 Trichlorofluoromethane
 Concen: 0.256 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:101 Resp: 70729
 Ion Ratio Lower Upper
 101 100
 103 64.1 54.5 81.7

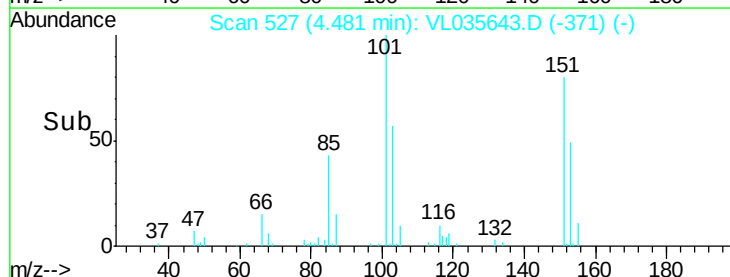
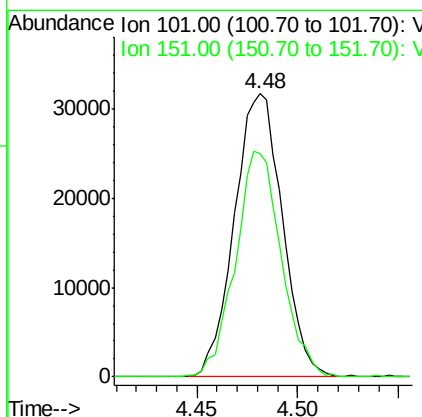
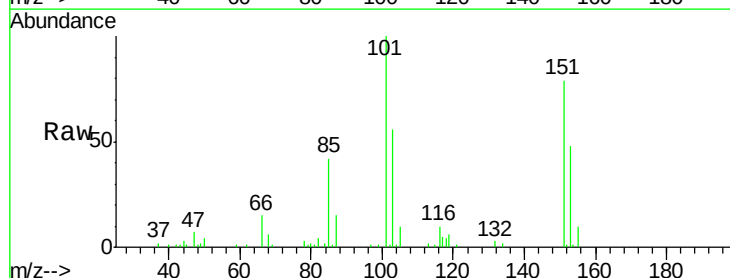
Manual Integrations
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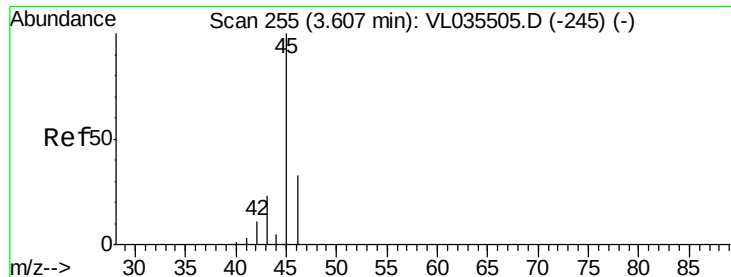
MMDadoda
 9/17/2020 1:52:56 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.253 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion:101 Resp: 52741
 Ion Ratio Lower Upper
 101 100
 151 76.3 63.5 95.3





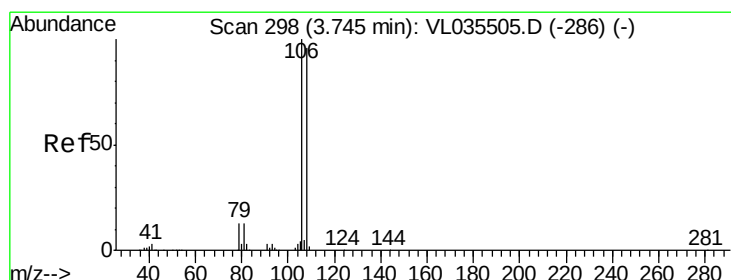
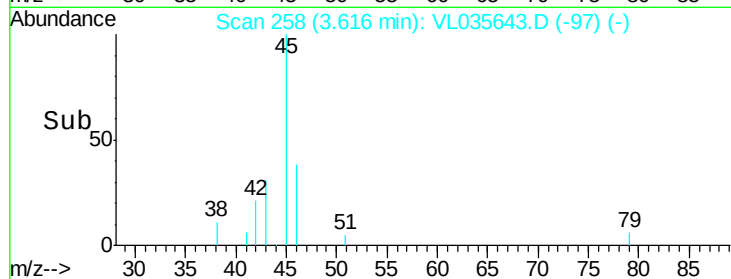
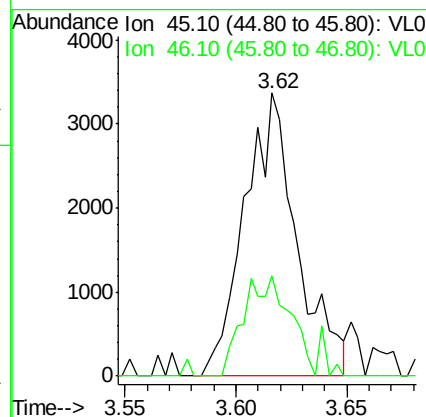
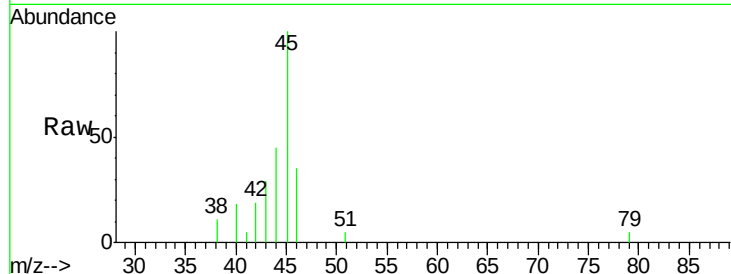
#13
Ethanol
Concen: 0.478 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 45 Resp: 5533
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.6#

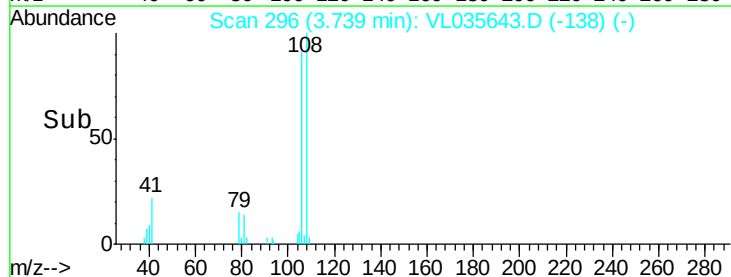
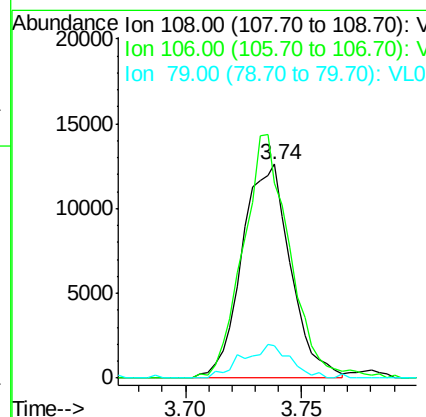
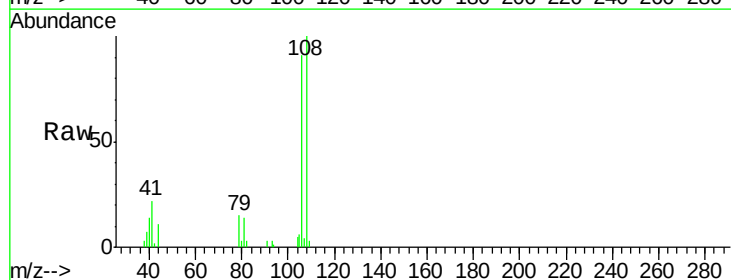
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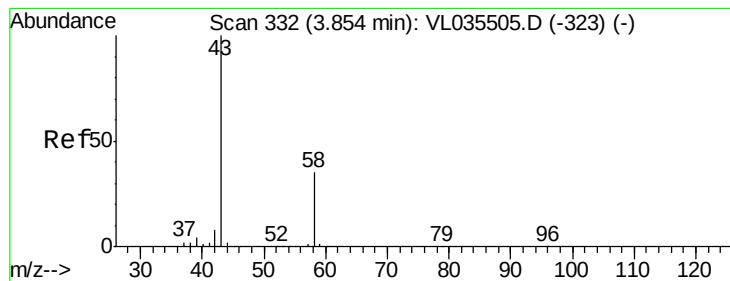
MMDadoda
9/17/2020 1:52:56 PM



#14
Bromoethene
Concen: 0.205 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 108 Resp: 18378
Ion Ratio Lower Upper
108 100
106 109.7 84.9 127.3
79 15.6 10.8 16.2





#15

Acetone

Concen: 0.300 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 43 Resp: 36166

Ion Ratio Lower Upper

43 100

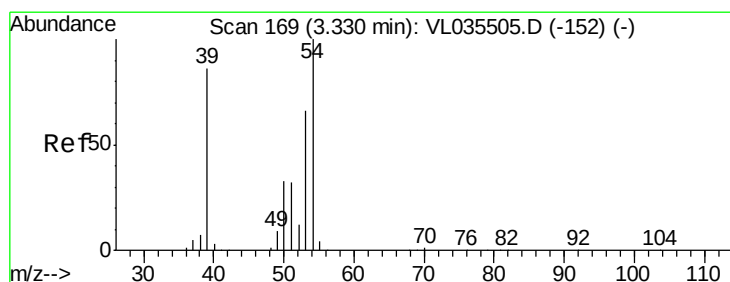
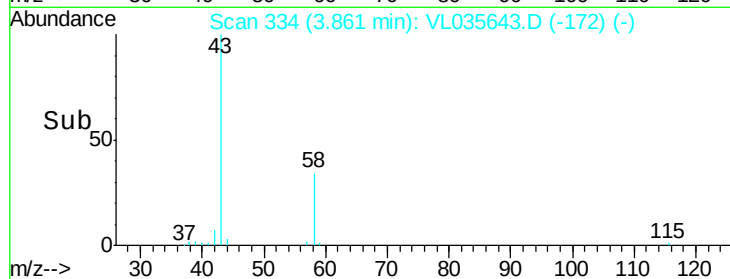
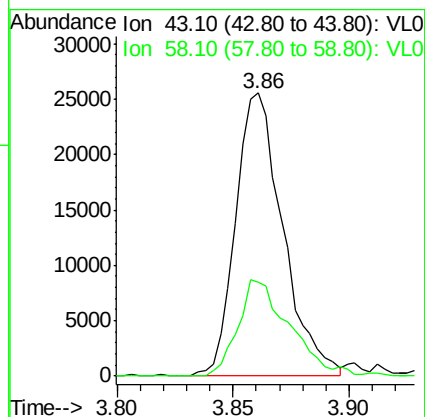
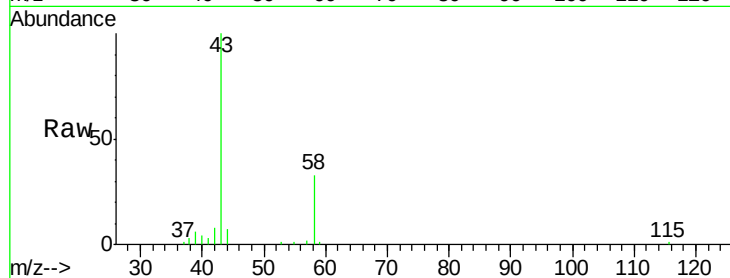
58 37.3 28.4 42.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.206 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL035643.D

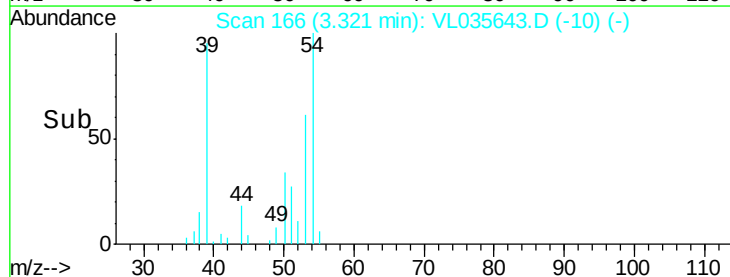
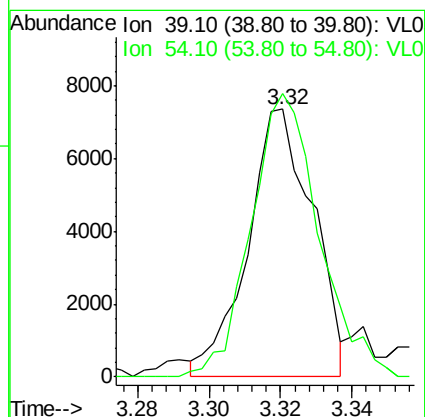
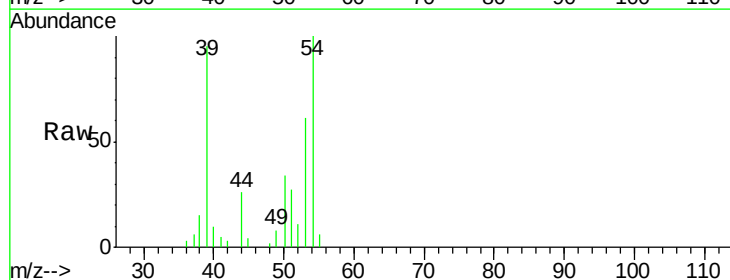
Acq: 17 Sep 2020 00:24

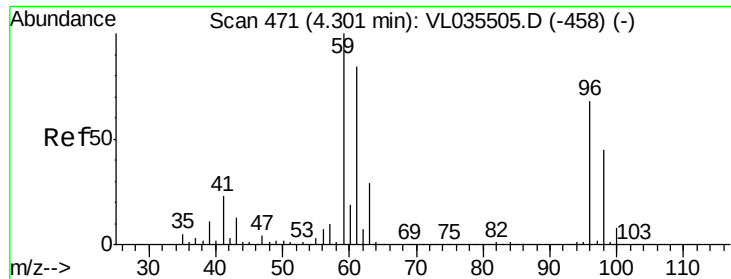
Tgt Ion: 39 Resp: 9263

Ion Ratio Lower Upper

39 100

54 111.0 88.4 132.6





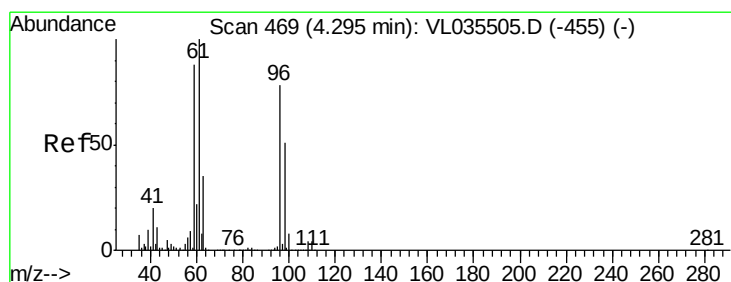
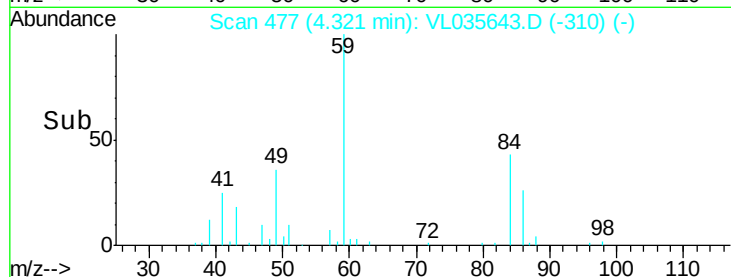
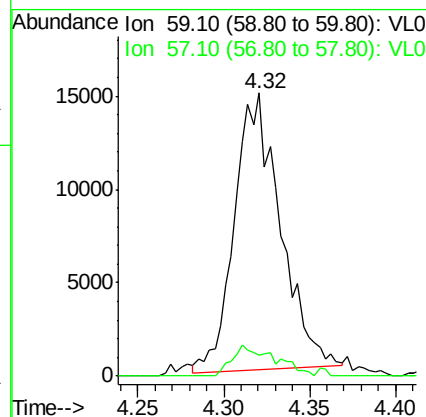
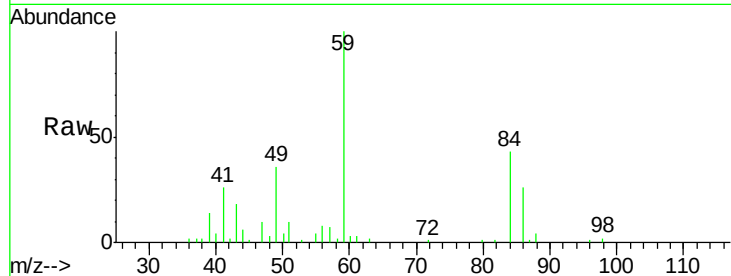
#17
tert-Butyl alcohol
Concen: 0.189 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.04 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	59	Resp	27731
Ion Ratio	100	Lower	Upper
57	10.9	8.4	12.6

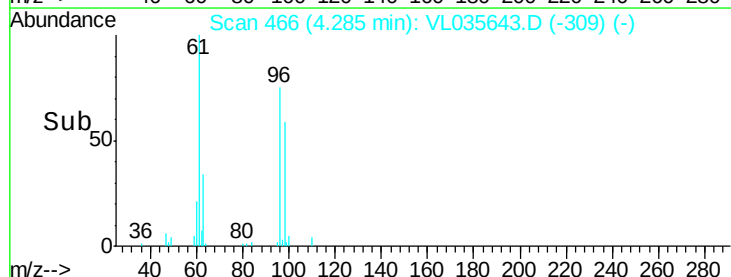
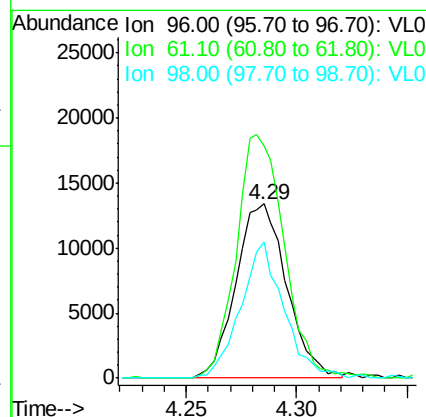
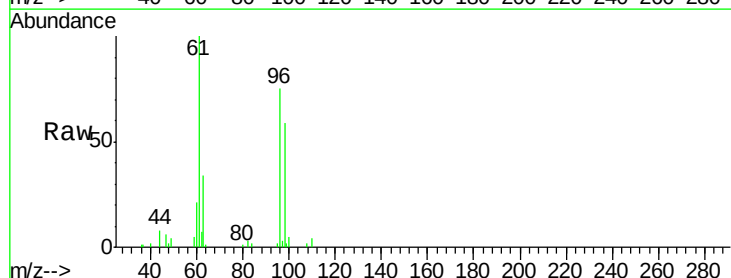
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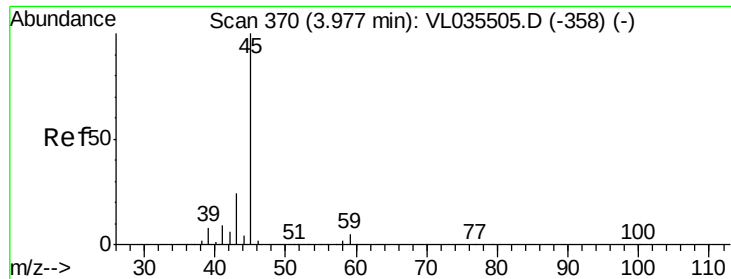
MMDadoda
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#18
1,1-Dichloroethene
Concen: 0.233 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	96	Resp	21445
Ion Ratio	100	Lower	Upper
61	132.8	103.0	154.6
98	77.8	52.8	79.2





#19

Isopropyl Alcohol

Concen: 0.212 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 45 Resp: 15278

Ion Ratio Lower Upper

45 100

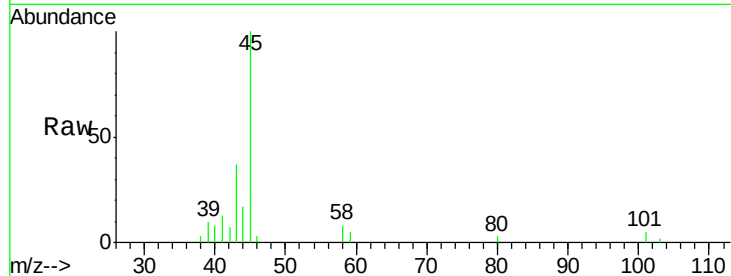
58 8.2 2.0 3.0#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.99

10000

8000

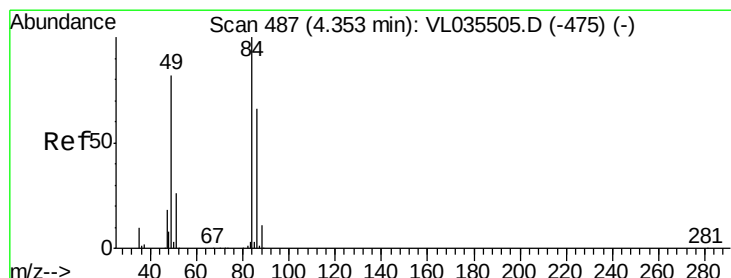
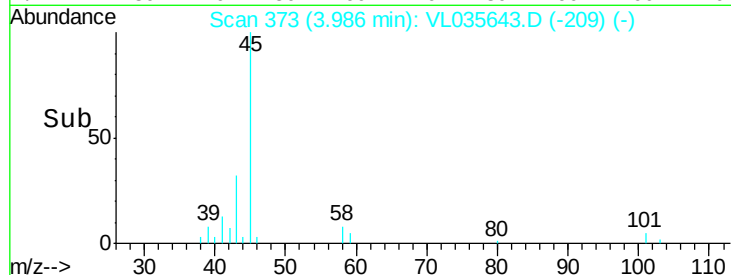
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: 0.616 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion: 84 Resp: 55342

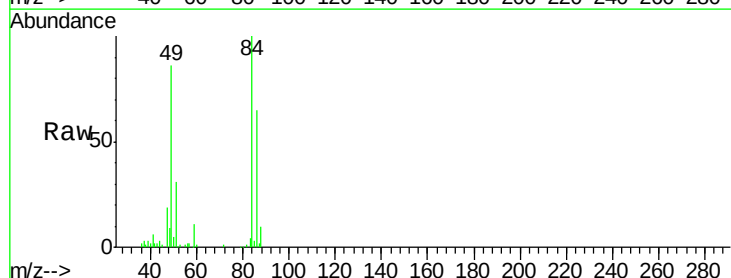
Ion Ratio Lower Upper

84 100

49 85.4 65.4 98.0

51 29.8 21.5 32.3

86 64.6 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

4.34

50000

40000

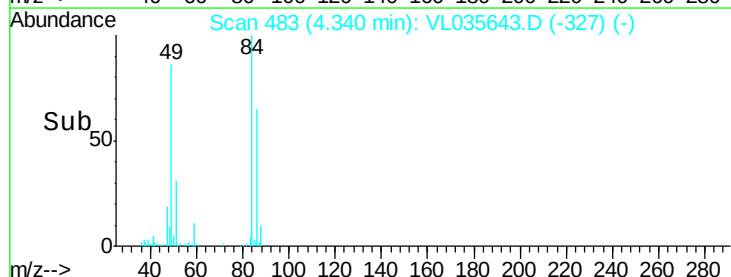
30000

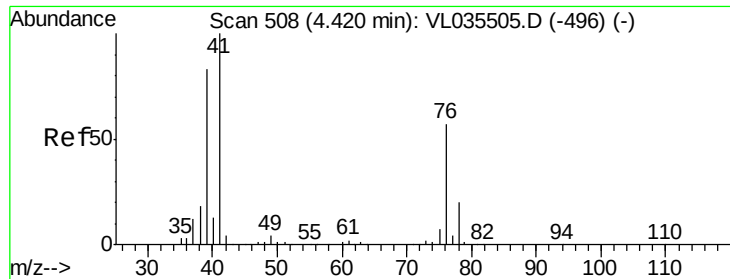
20000

10000

0

Time-->





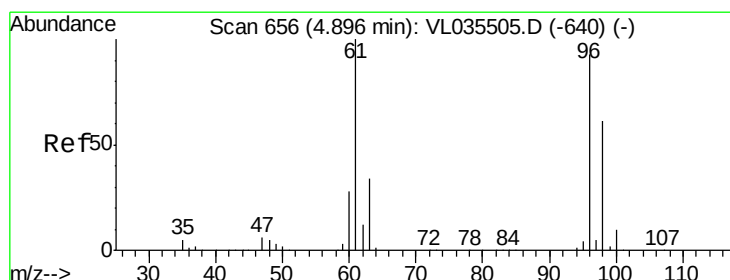
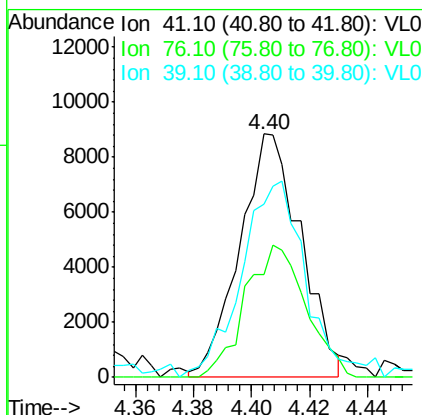
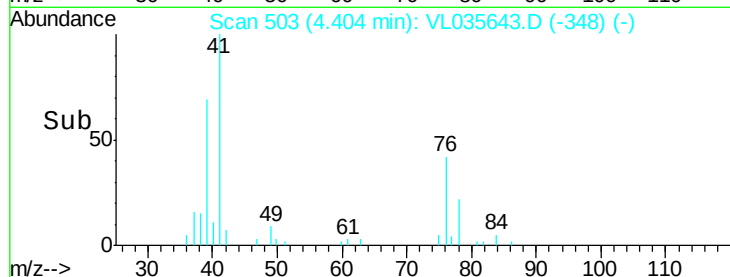
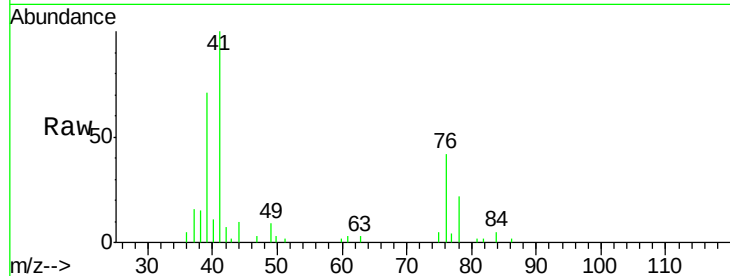
#21
Allvl Chloride
Concen: 0.228 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	54.1	46.2	69.2
39	89.0	67.8	101.6

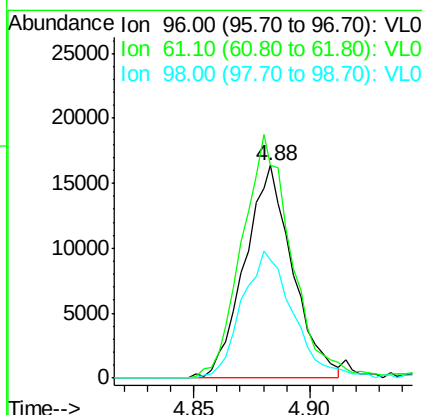
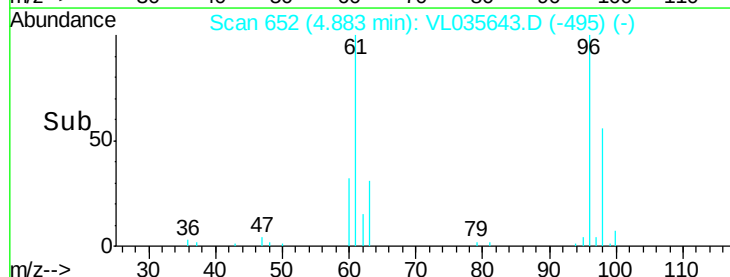
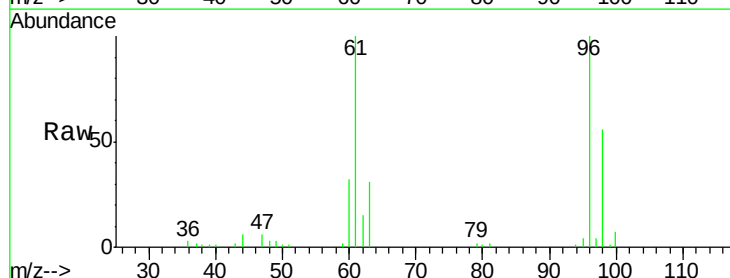
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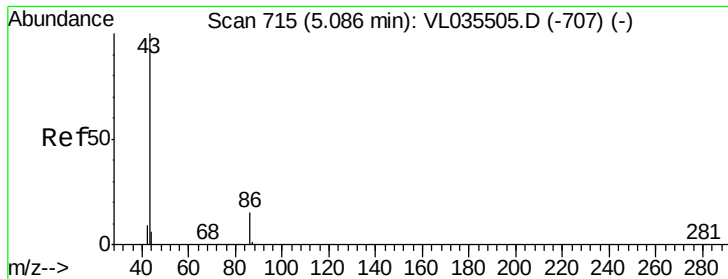
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.241 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	99.9	86.0	129.0
98	55.8	52.3	78.5





#23

Vinyl Acetate

Concen: 0.170 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

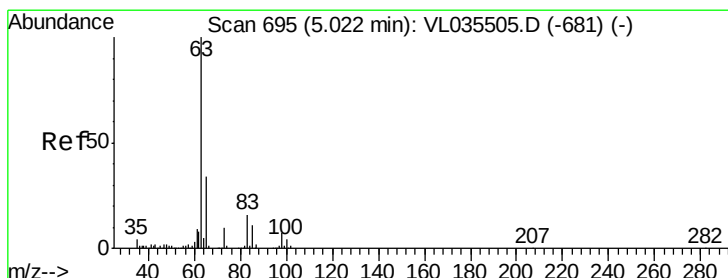
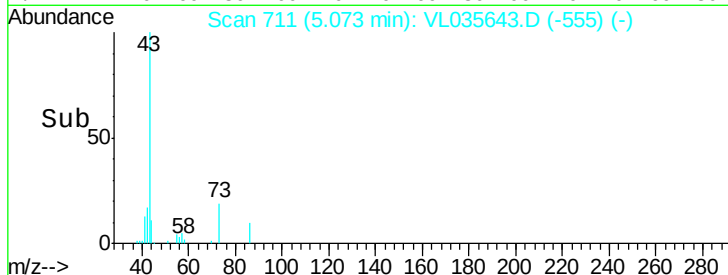
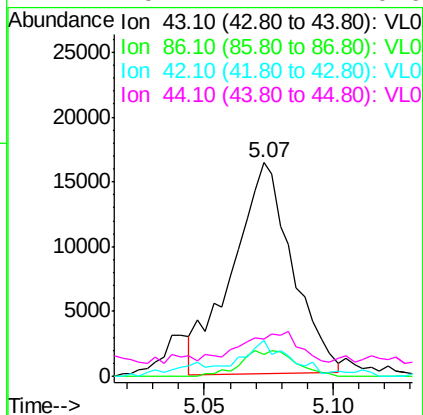
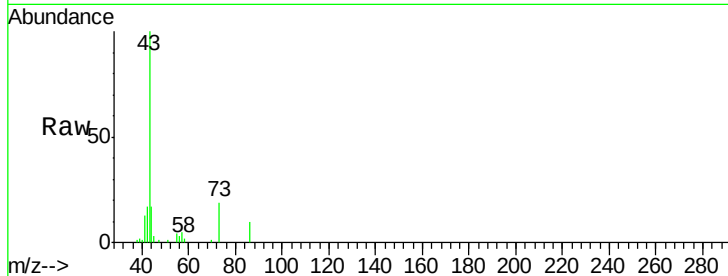
ClientSampleId :

VL0916ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		26348		
86	10.7	10.6	16.0		
42	15.3	7.5	11.3#		
44	9.2	4.4	6.6#		

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#24

1,1-Dichloroethane

Concen: 0.239 ppbv

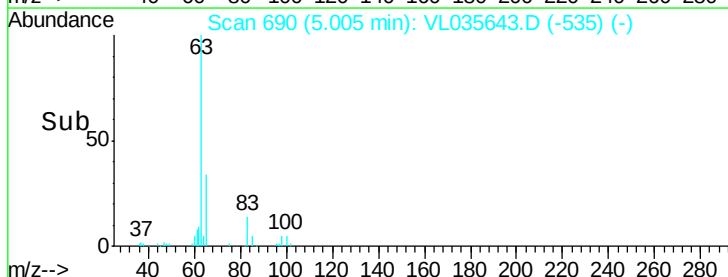
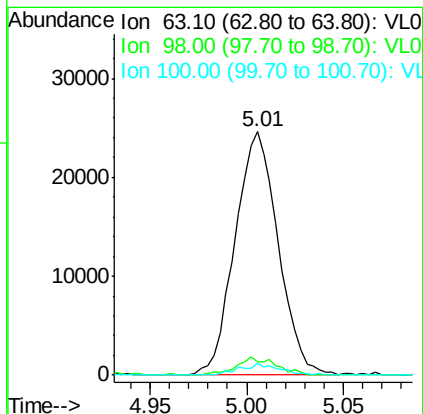
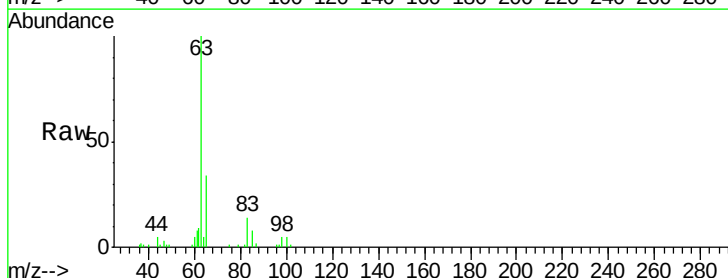
RT: 5.01 min Scan# 690

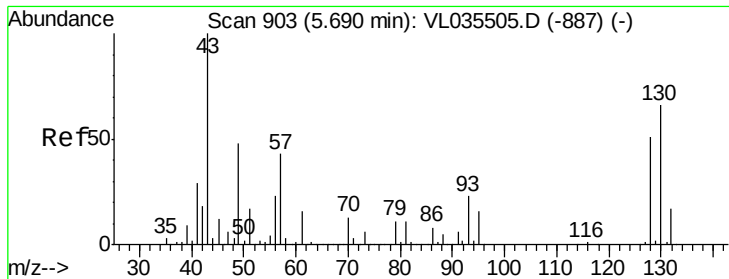
Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		38149		
98	5.3	3.4	10.1		
100	4.7	2.1	6.5		





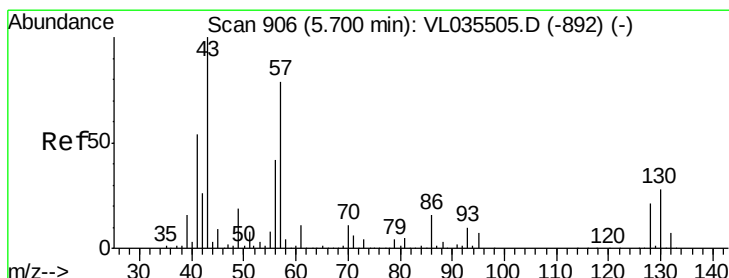
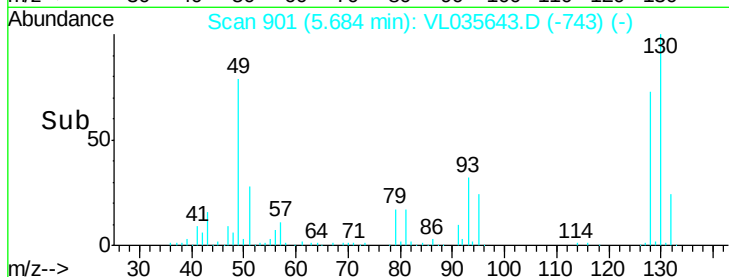
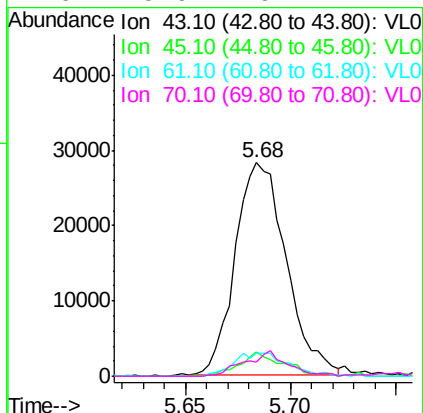
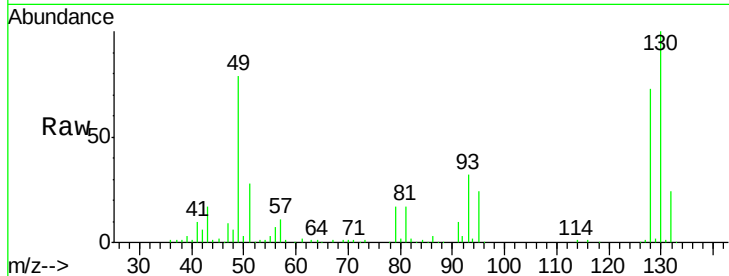
#25
Ethyl Acetate
Concen: 0.222 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	43	Resp	47338
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.4	12.6
61	12.0	10.6	16.0
70	9.9	9.4	14.2

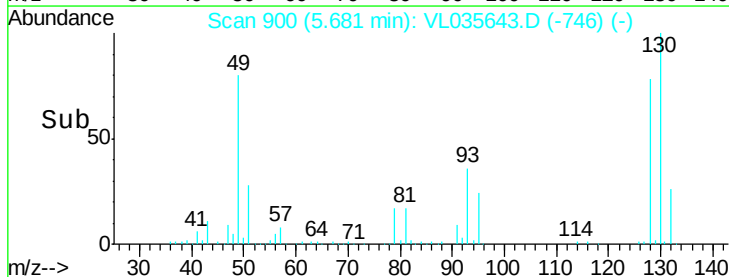
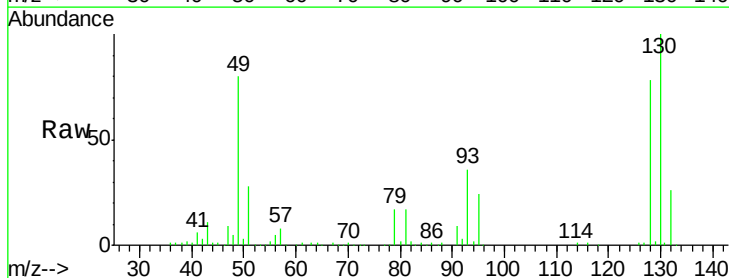
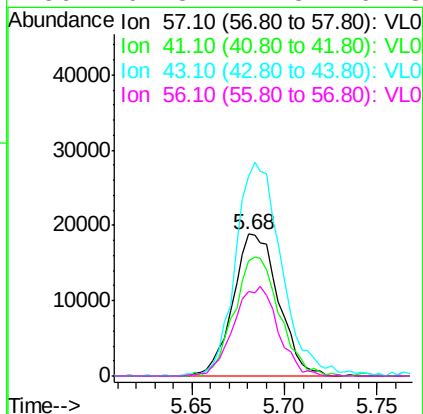
Manual Integrations
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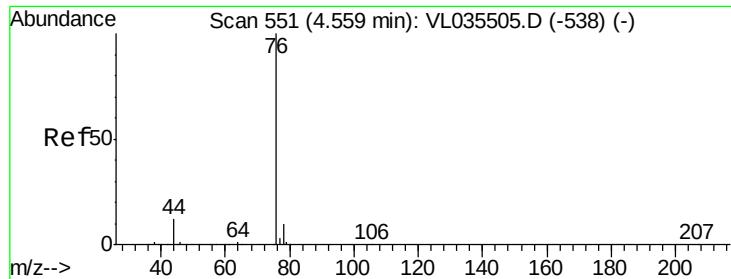
MMDadoda
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#26
Hexane
Concen: 0.264 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	57	Resp	31939
Ion	Ratio	Lower	Upper
57	100		
41	83.6	55.9	83.9
43	155.8	141.8	212.8
56	61.8	41.8	62.8





#27

Carbon Disulfide

Concen: 0.189 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

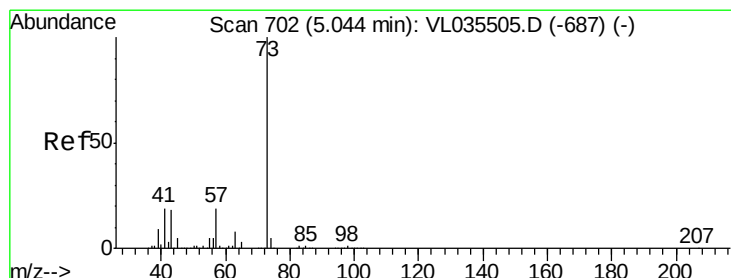
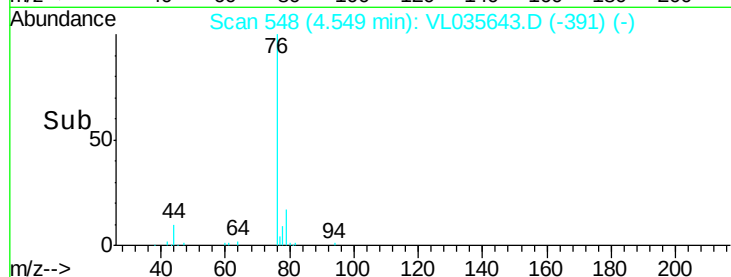
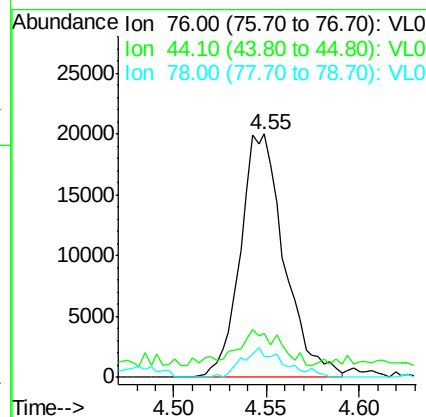
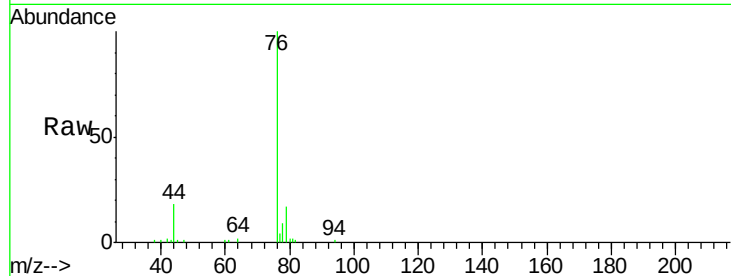
ClientSampleId :

VL0916ABS01

Tot Ion:	76	Resp:	32848
Ion Ratio	Lower	Upper	
76	100		
44	16.1	9.3	13.9#
78	11.5	7.8	11.6

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#28

Methyl tert-Butyl Ether

Concen: 0.174 ppbv

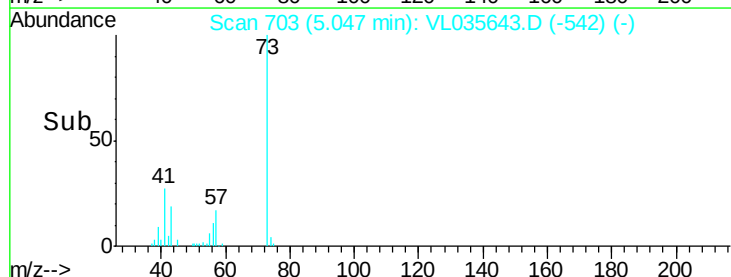
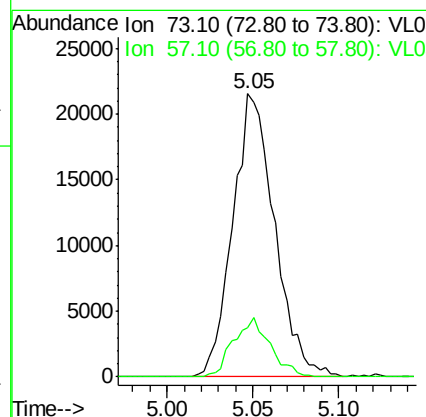
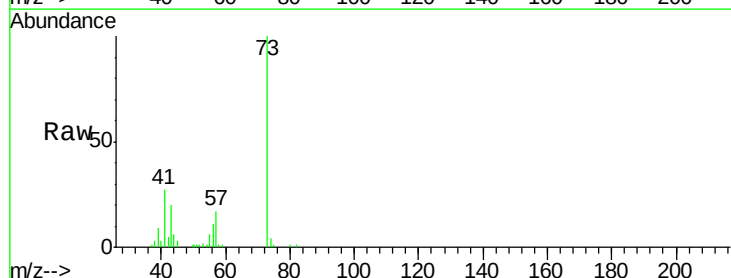
RT: 5.05 min Scan# 703

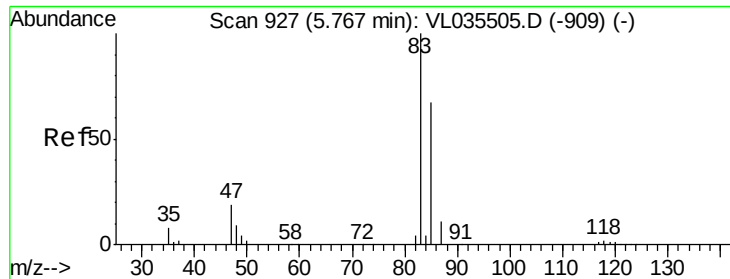
Delta R.T. 0.02 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	73	Resp:	36597
Ion Ratio	Lower	Upper	
73	100		
57	18.3	15.2	22.8





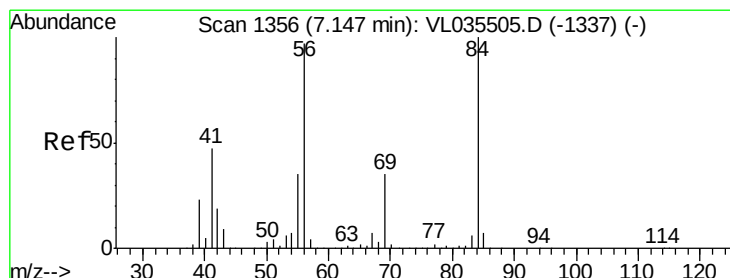
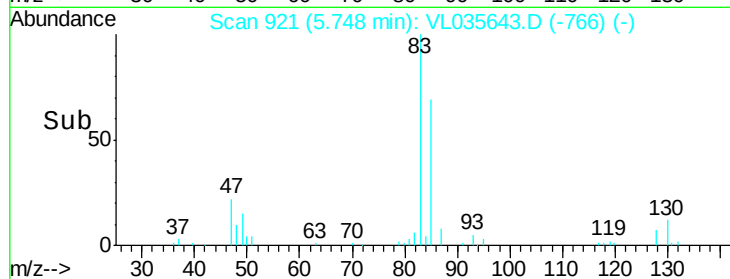
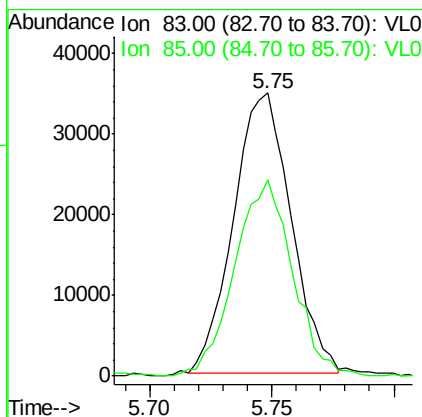
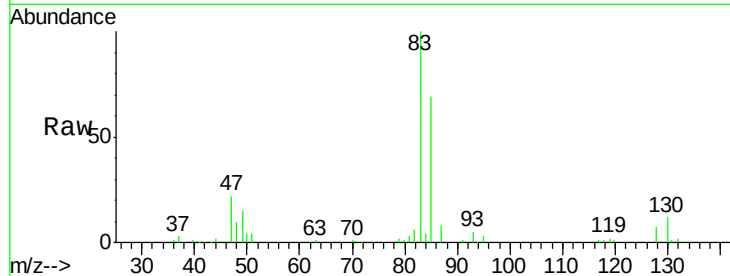
#29
Chloroform
Concen: 0.232 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	83	Resp	56999
Ion Ratio	100	Lower	Upper
85	68.3	53.9	80.9

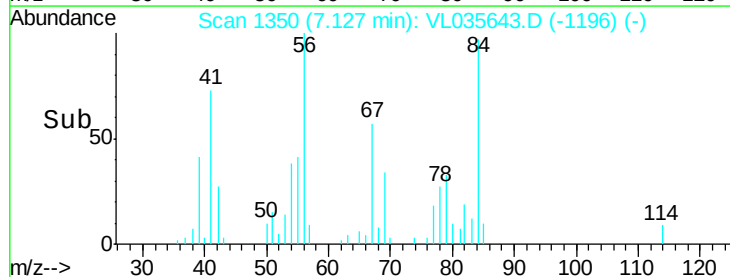
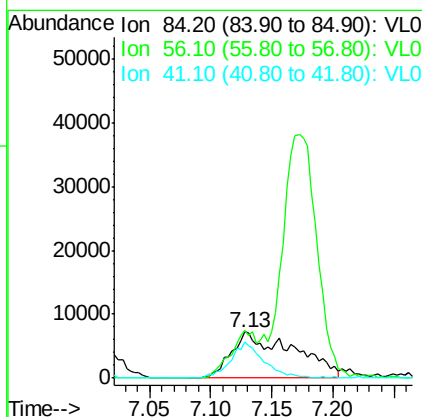
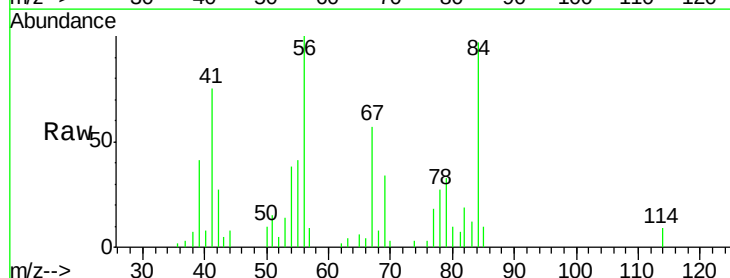
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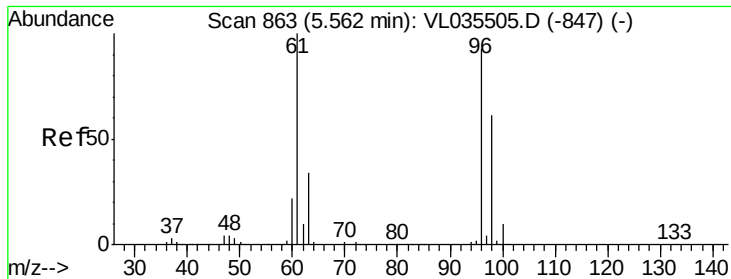
MMDadoda
9/17/2020 1:52:56 PM



#30
Cyclohexane
Concen: 0.198 ppbv m
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	84	Resp	25612
Ion Ratio	100	Lower	Upper
56	0.0	80.1	120.1#
41	41.4	38.1	57.1





#31

cis-1,2-Dichloroethene

Concen: 0.157 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

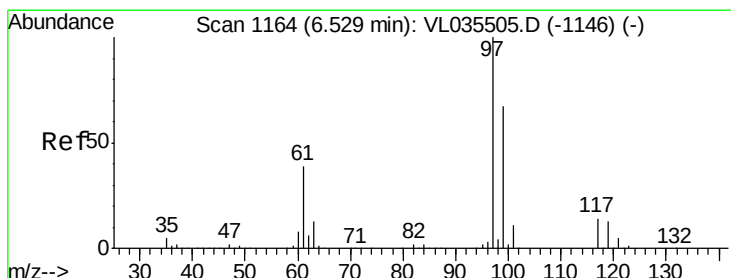
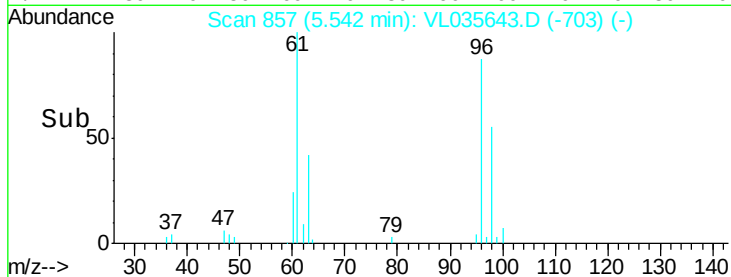
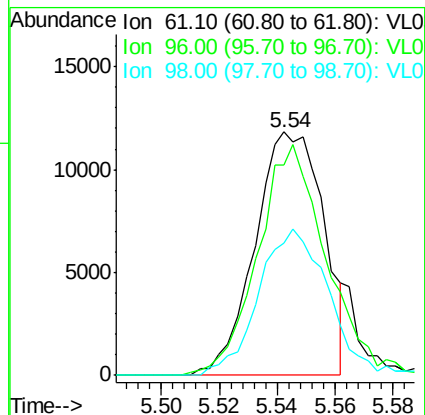
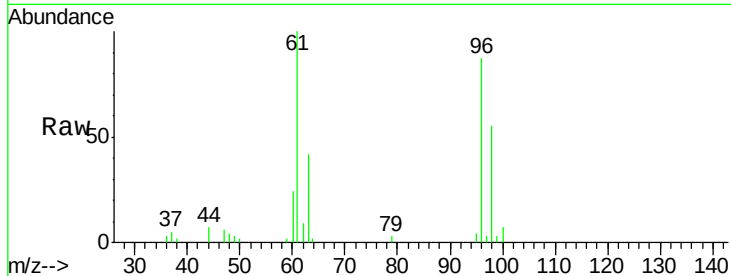
ClientSampleId :

VL0916ABS01

Tot Ion:	61	Resp:	19460
Ion Ratio	Lower	Upper	
61	100		
96	85.3	74.4	111.6
98	54.6	49.2	73.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.196 ppbv

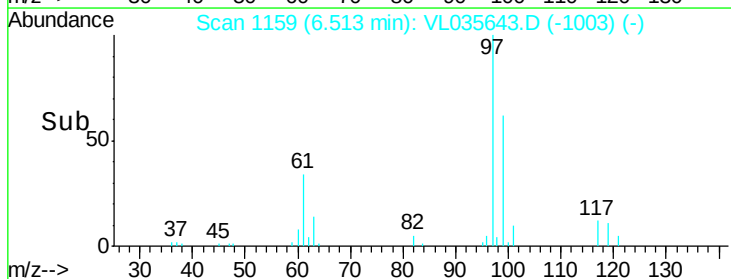
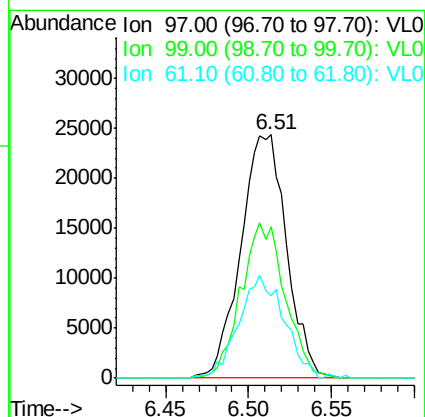
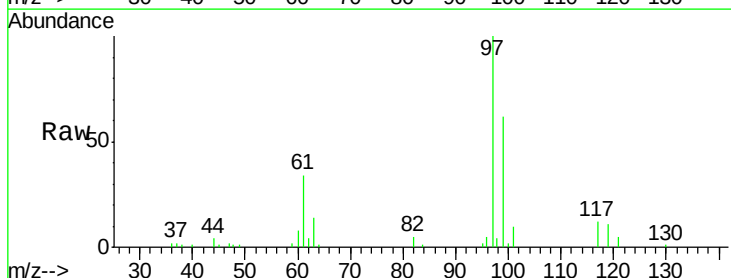
RT: 6.51 min Scan# 1159

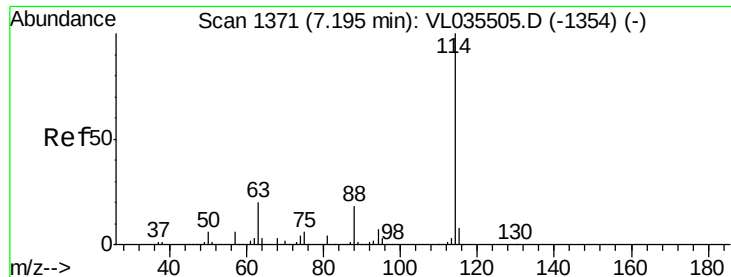
Delta R.T. 0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	97	Resp:	46856
Ion Ratio	Lower	Upper	
97	100		
99	61.3	53.3	79.9
61	41.8	30.6	46.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion:114 Resp: 4362914

Ion Ratio Lower Upper

114 100

63 19.2 14.7 22.1

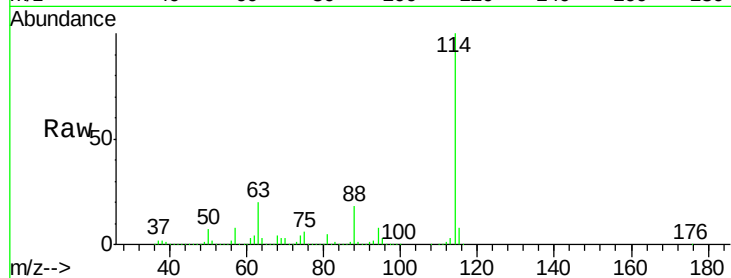
88 17.2 13.4 20.2

Manual Integrations

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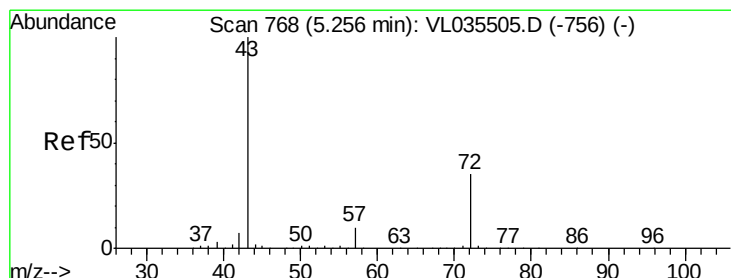
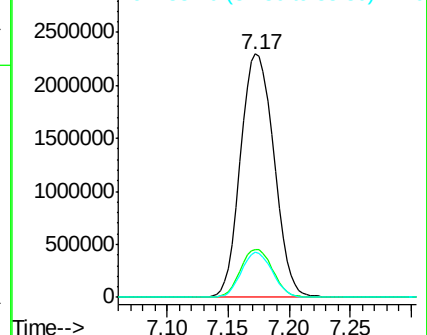
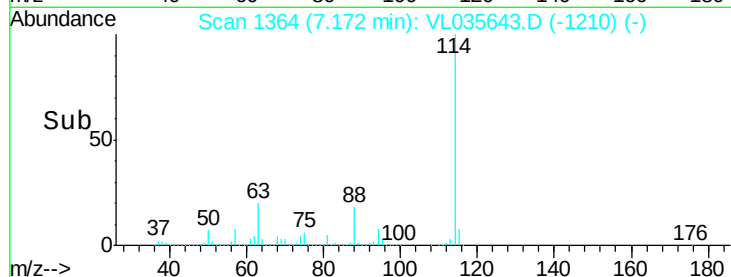
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.170 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.02 min

Lab File: VL035643.D

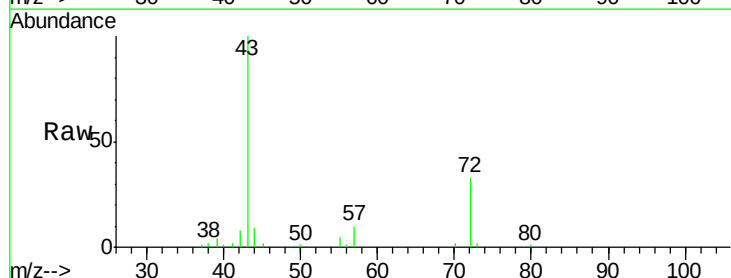
Acq: 17 Sep 2020 00:24

Tgt Ion: 43 Resp: 22029

Ion Ratio Lower Upper

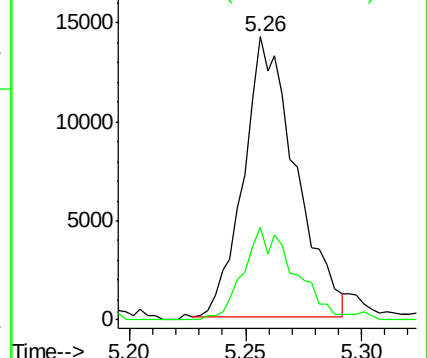
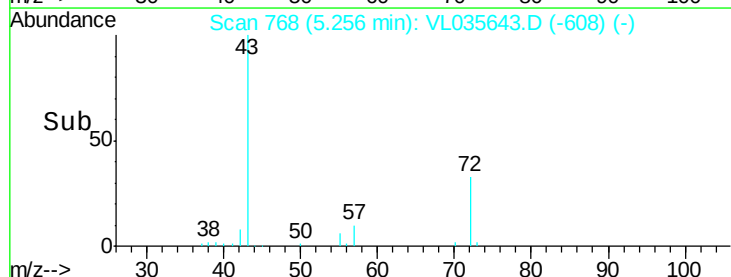
43 100

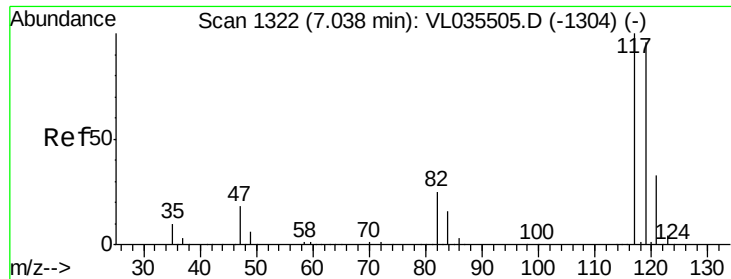
72 33.4 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.215 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

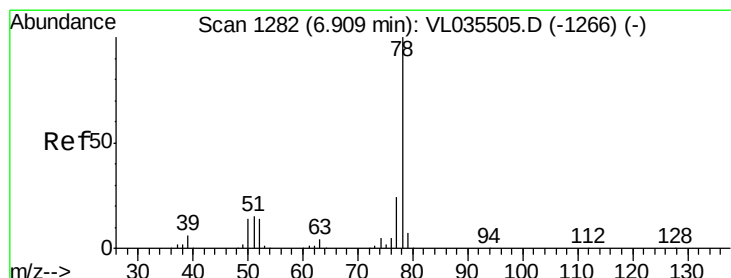
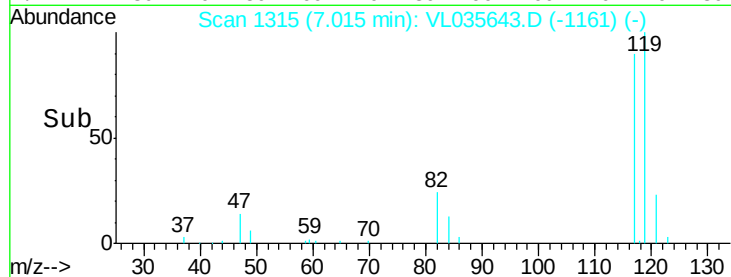
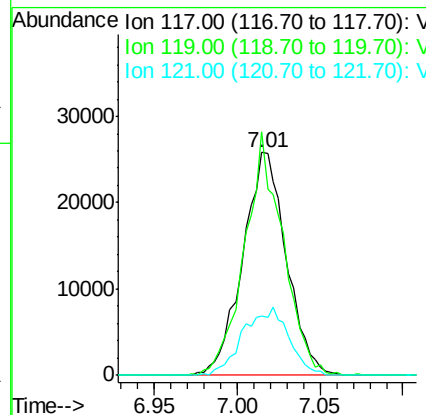
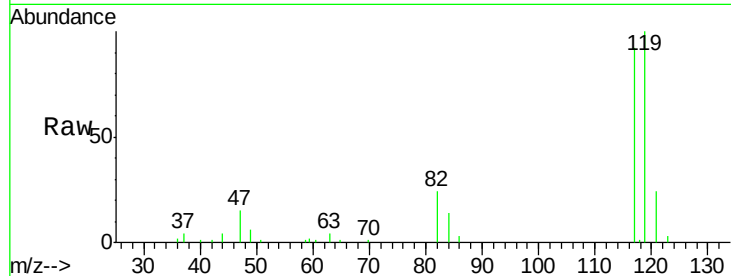
ClientSampleId :

VL0916ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	109.2	77.2	115.8
121	26.4	26.1	39.1

Manual Integrations
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#36

Benzene

Concen: 0.171 ppbv

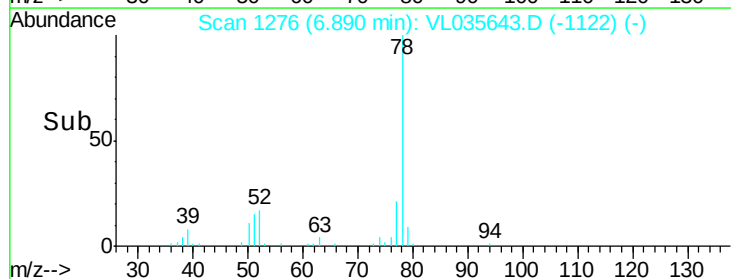
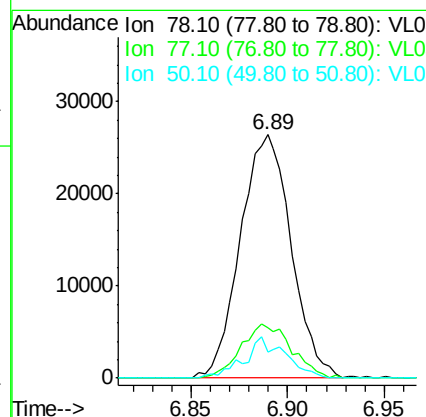
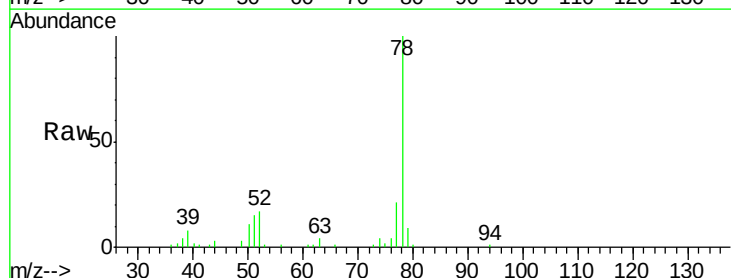
RT: 6.89 min Scan# 1276

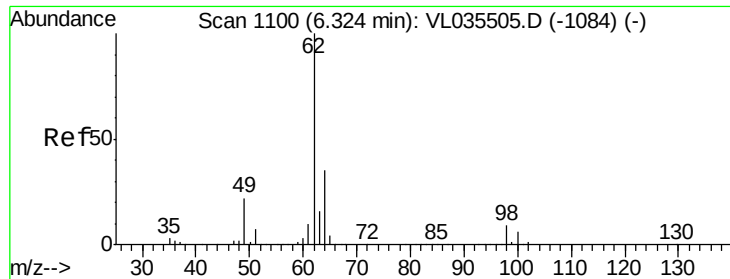
Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.3	28.9
50	10.9	11.0	16.6#





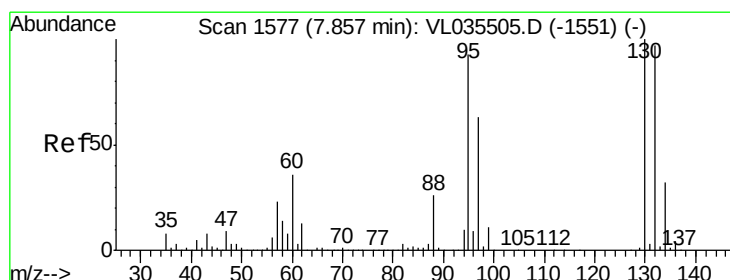
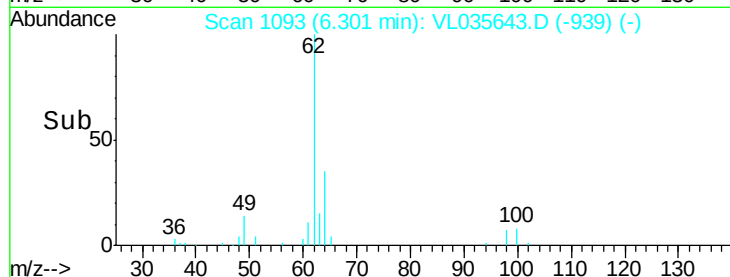
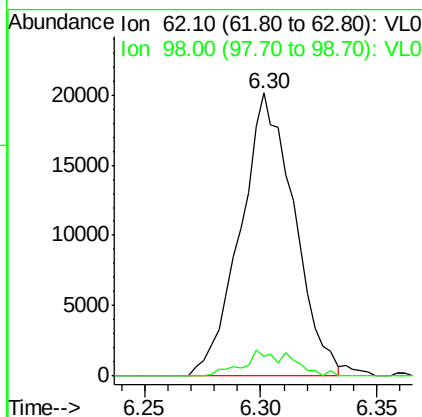
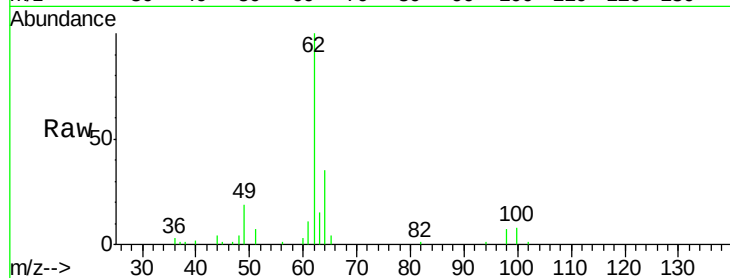
#37
 1,2-Dichloroethane
 Concen: 0.241 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.2	7.4	11.0

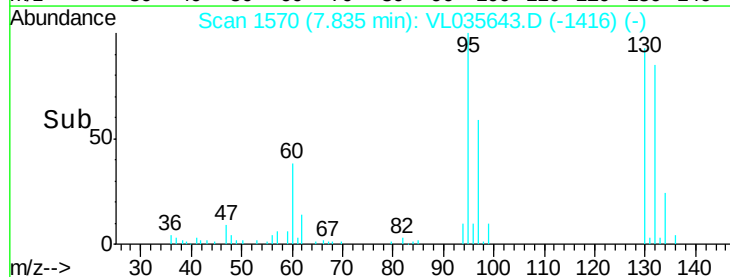
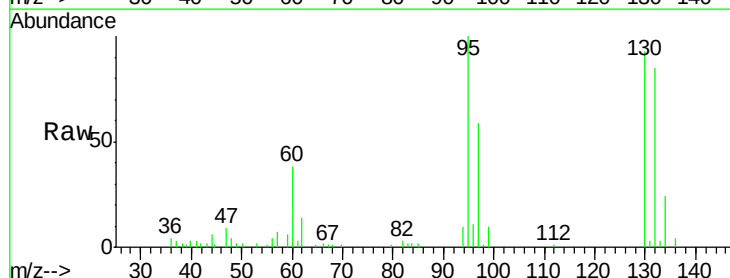
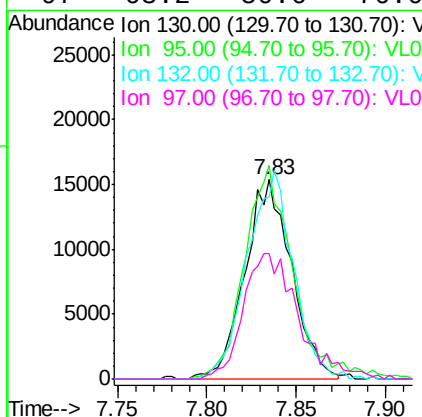
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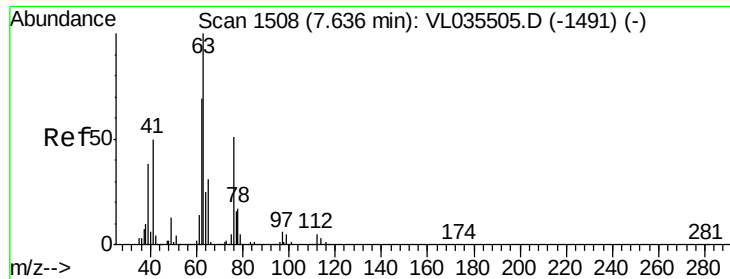
MMDadoda
 9/17/2020 1:52:56 PM



#38
 Trichloroethene
 Concen: 0.171 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	74.6	112.0
132	91.3	77.6	116.4
97	63.2	50.6	76.0





#39

1,2-Dichloropropane

Concen: 0.231 ppbv m

RT: 7.61 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

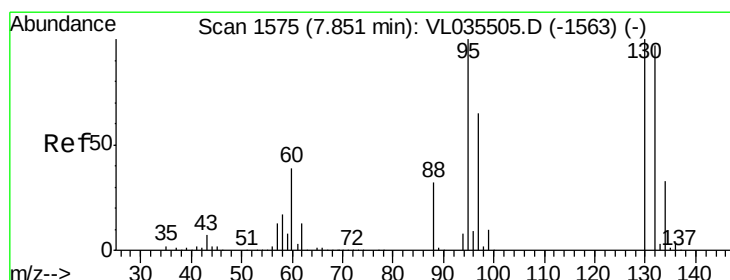
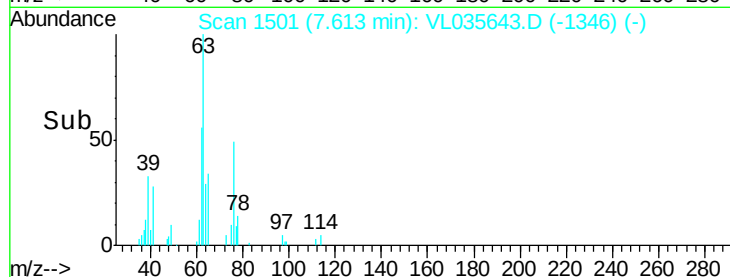
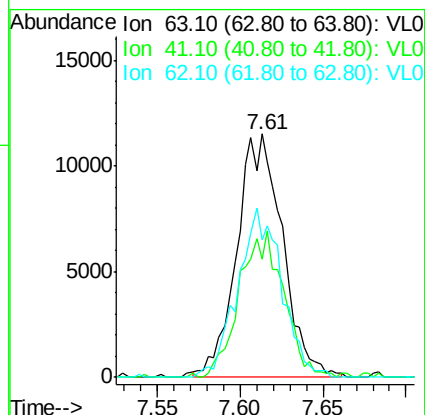
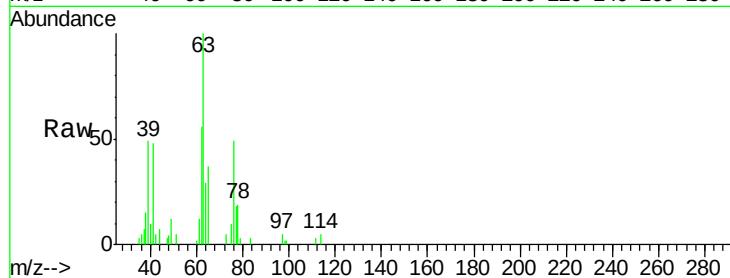
VL0916ABS01

Tot Ion: 63 Resp: 22026

Ion	Ratio	Lower	Upper
63	100		
41	48.3	40.0	60.0
62	56.2	55.4	83.0

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#40

1,4-Dioxane

Concen: 0.142 ppbv m

RT: 7.91 min Scan# 1593

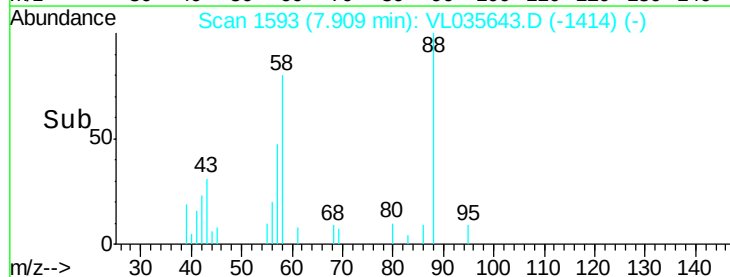
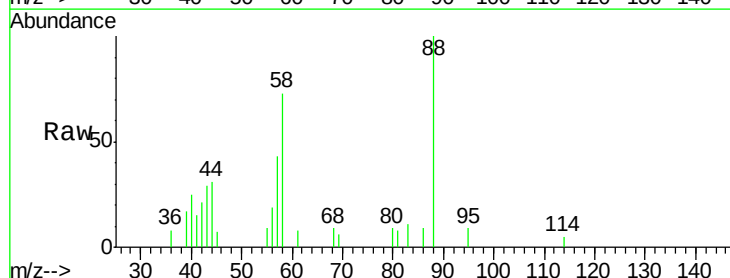
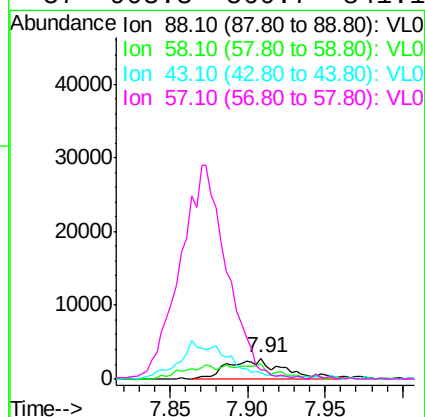
Delta R.T. 0.08 min

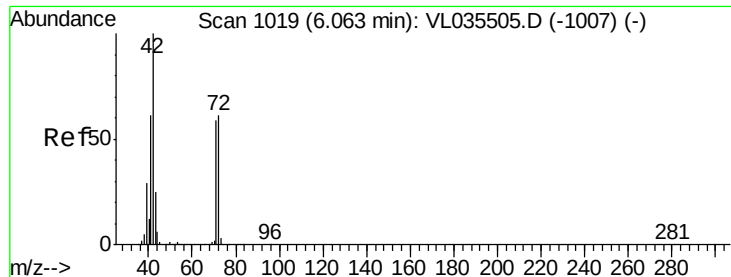
Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion: 88 Resp: 6756

Ion	Ratio	Lower	Upper
88	100		
58	0.0	68.7	103.1#
43	172.7	104.3	156.5#
57	903.3	560.7	841.1#





#41

Tetrahydrofuran

Concen: 0.134 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.04 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

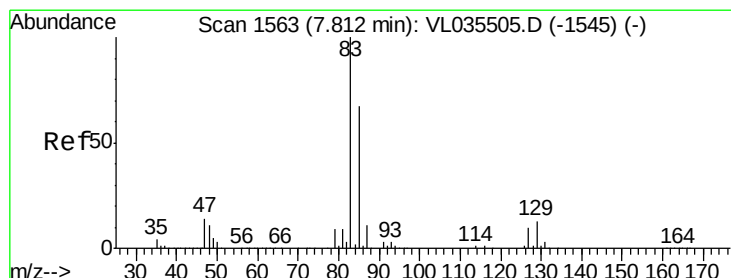
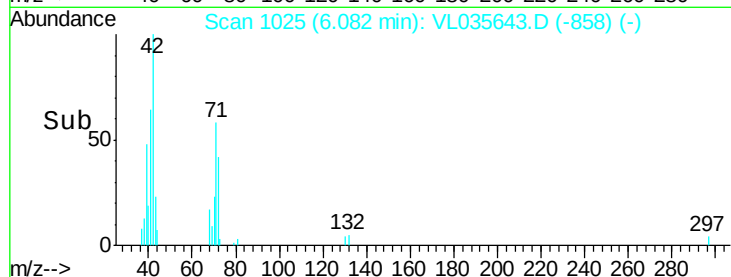
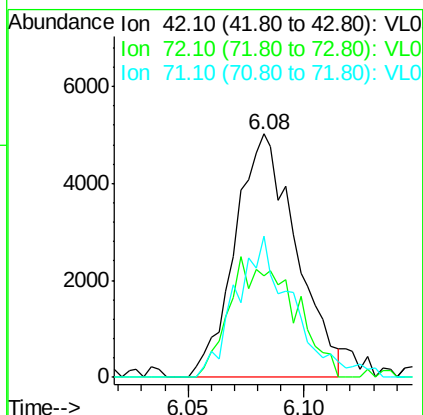
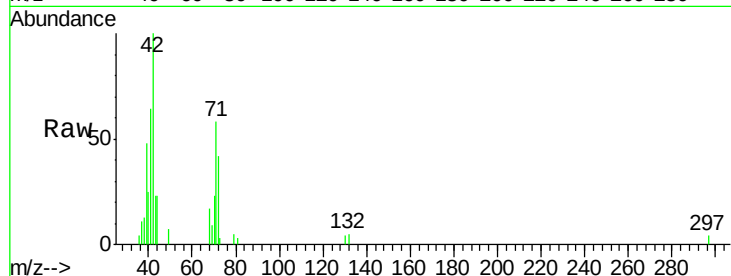
ClientSampleId :

VL0916ABS01

Tot Ion:	42	Resp:	9186
Ion	Ratio	Lower	Upper
42	100		
72	51.8	48.6	73.0
71	53.7	46.1	69.1

Manual Integrations
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9/17/2020 1:52:56 PM



#42

Bromodichloromethane

Concen: 0.221 ppbv

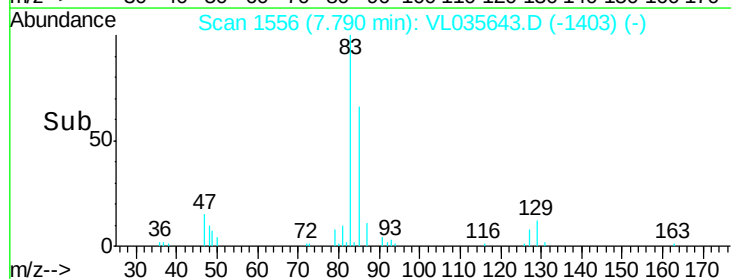
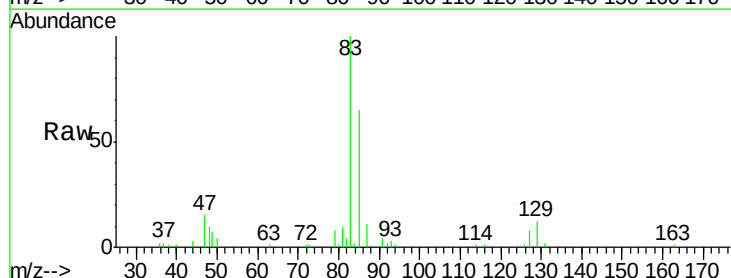
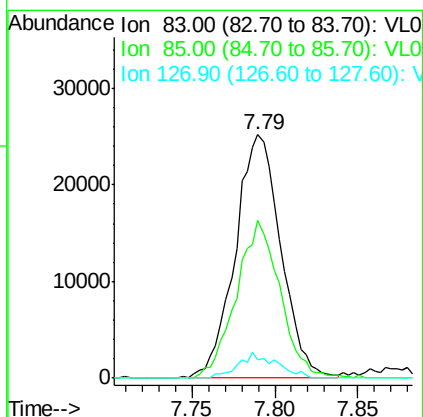
RT: 7.79 min Scan# 1556

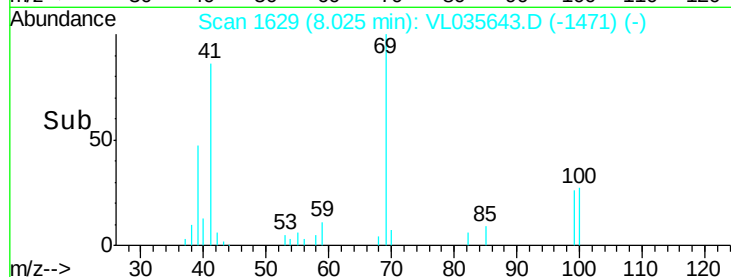
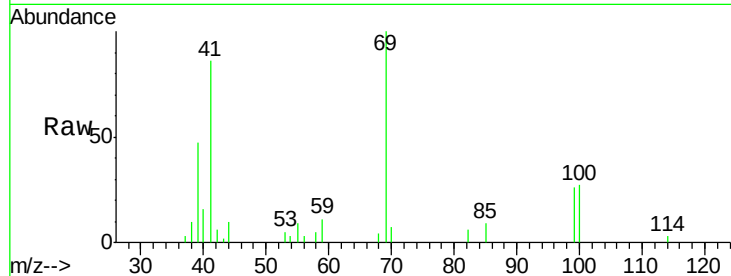
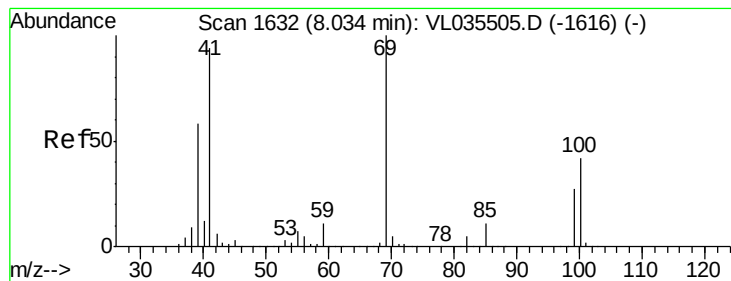
Delta R.T. -0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	83	Resp:	48101
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.7	80.5
127	7.5	8.1	12.1#





#43

Methyl Methacrylate

Concen: 0.138 ppbv

RT: 8.02 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tot Ion:	69	Resp:	15064
Ion Ratio	Lower	Upper	
69	100		
41	103.9	76.6	114.8
100	38.6	33.8	50.6

Instrument :

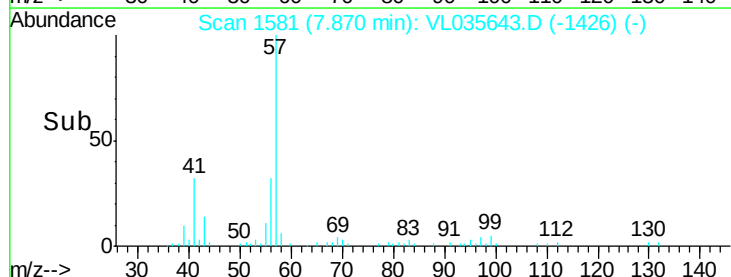
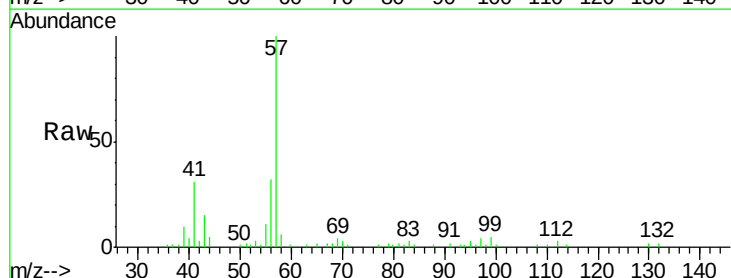
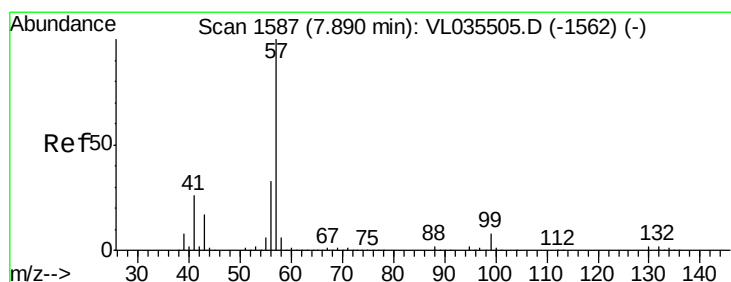
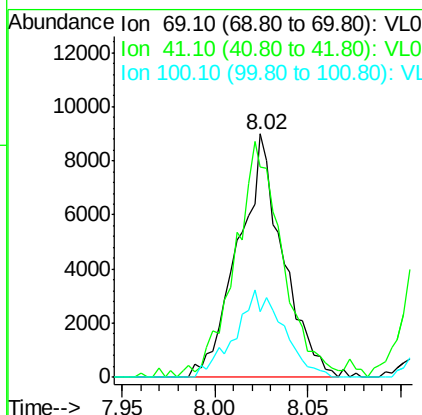
MSVOA_L

ClientSampleId :

VL0916ABS01

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#44

2,2,4-Trimethylpentane

Concen: 0.164 ppbv

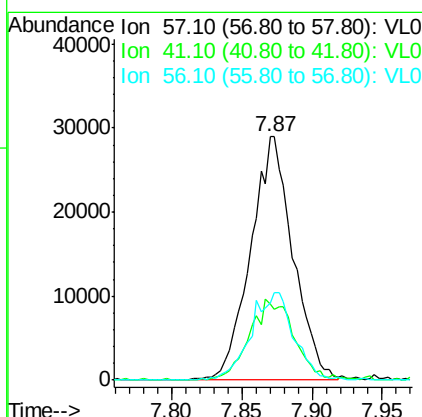
RT: 7.87 min Scan# 1581

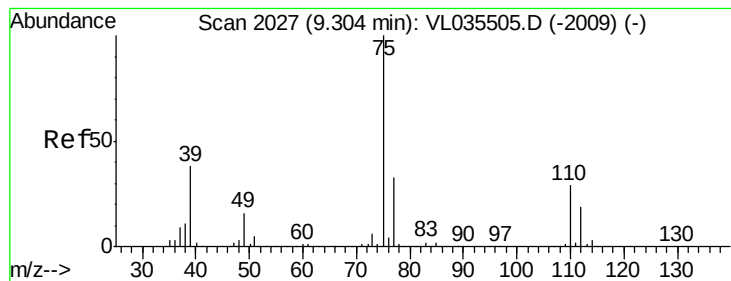
Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	57	Resp:	60866
Ion Ratio	Lower	Upper	
57	100		
41	35.5	20.5	30.7#
56	36.6	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 0.130 ppbv m

RT: 9.28 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 75 Resp: 14411

Ion Ratio Lower Upper

75 100

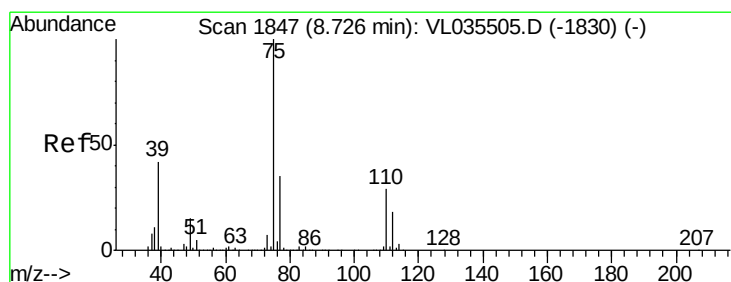
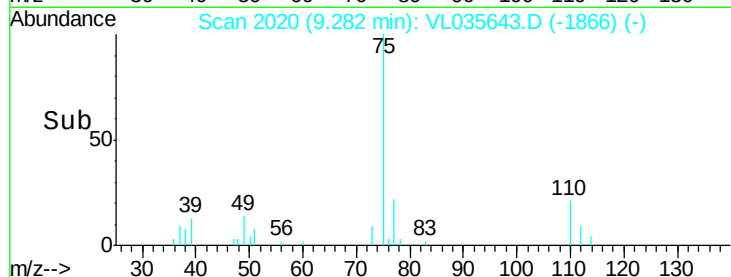
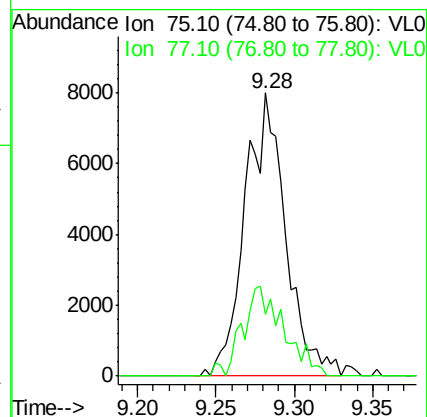
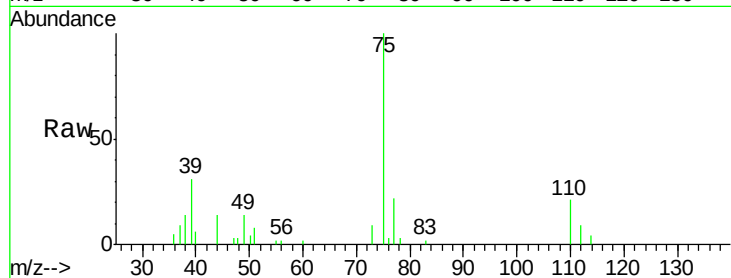
77 21.7 26.5 39.7#

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.141 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

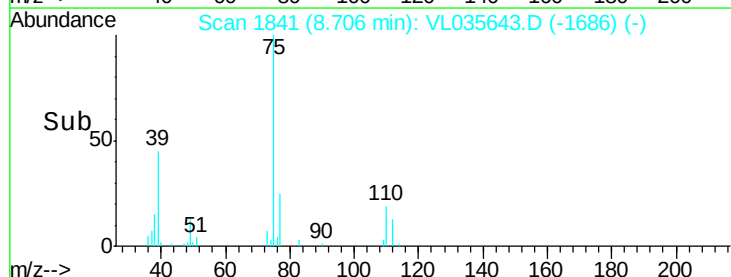
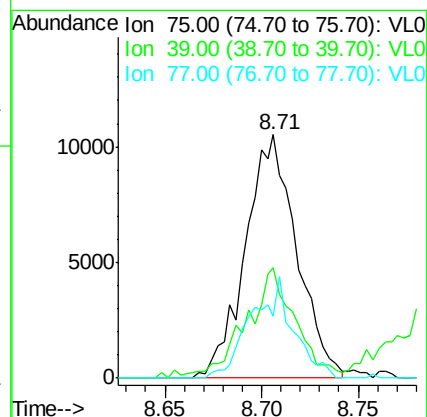
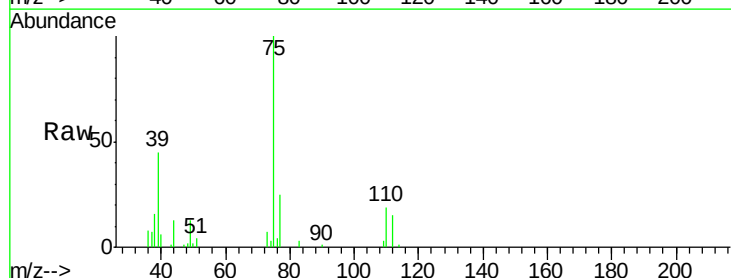
Tgt Ion: 75 Resp: 19388

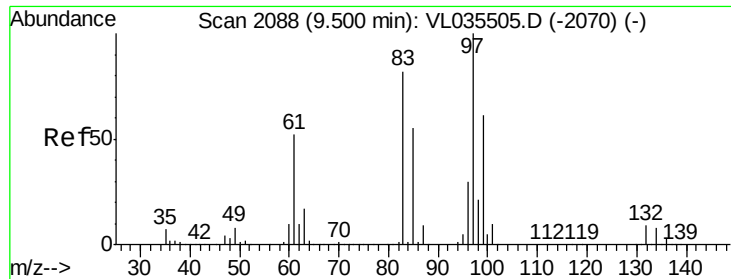
Ion Ratio Lower Upper

75 100

39 43.1 33.7 50.5

77 25.3 27.8 41.6#





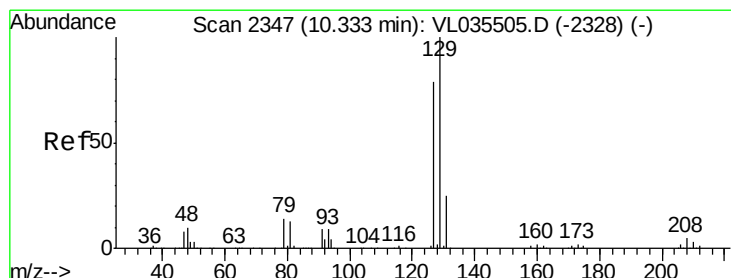
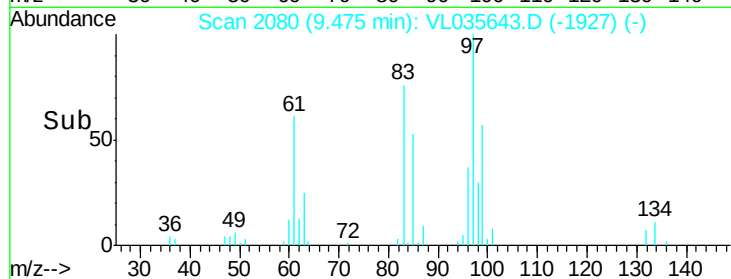
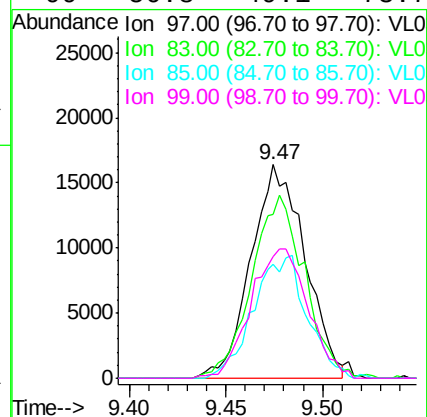
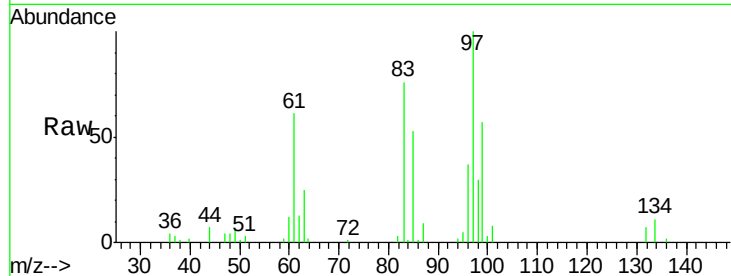
#47
 1,1,2-Trichloroethane
 Concen: 0.227 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	97	Resp	31899
Ion	Ratio	Lower	Upper
97	100		
83	76.5	65.4	98.2
85	53.3	43.7	65.5
99	56.8	49.1	73.7

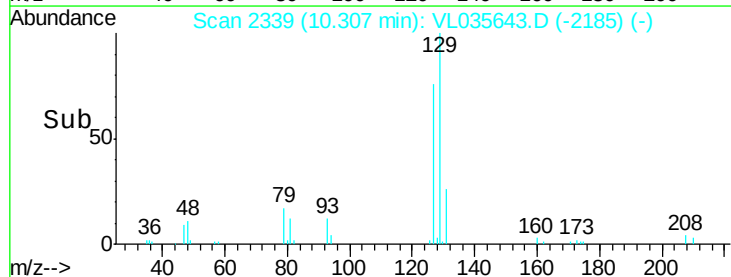
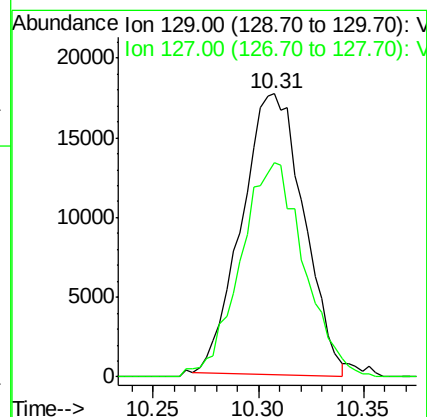
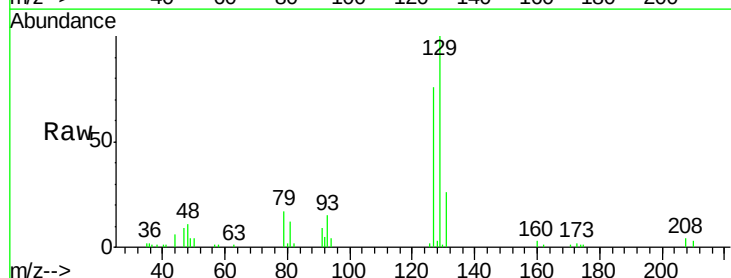
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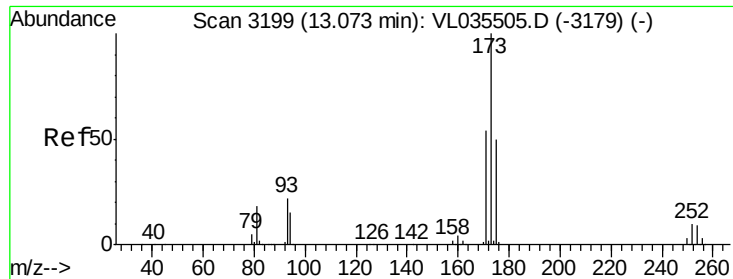
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.163 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion	129	Resp	36148
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8





#49

Bromoform

Concen: 0.151 ppbv m

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

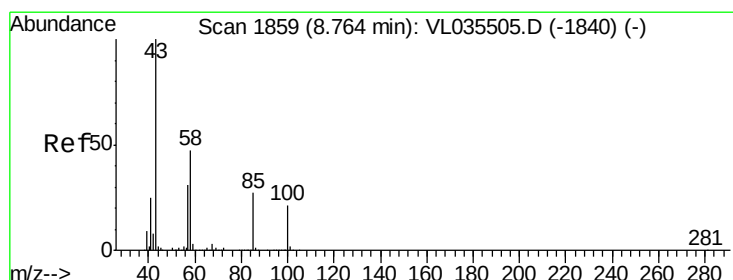
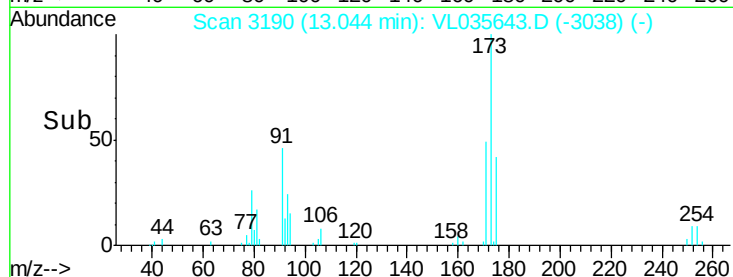
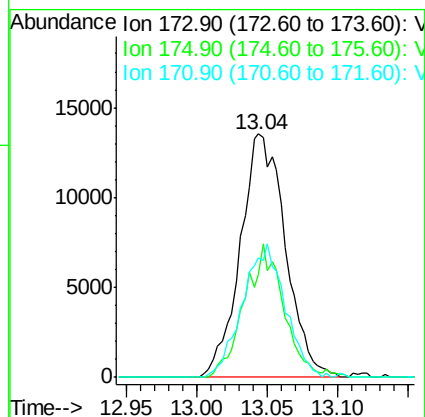
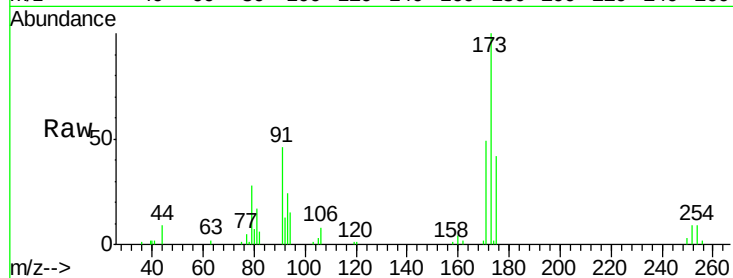
ClientSampleId :

VL0916ABS01

Tot Ion:	173	Resp:	30302
Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.8	59.8
171	51.5	42.4	63.6

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#50

4-Methyl-2-Pentanone

Concen: 0.134 ppbv m

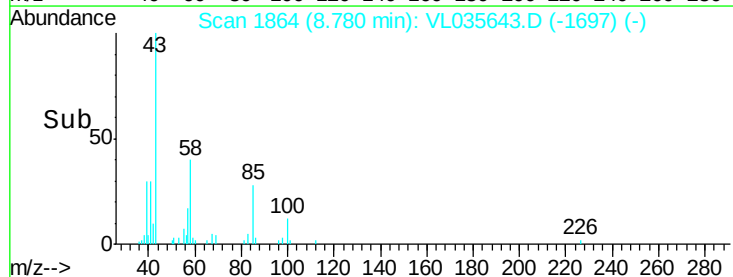
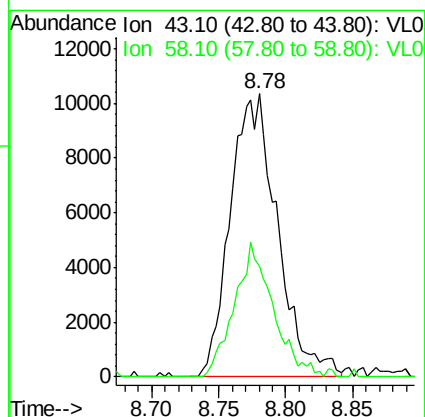
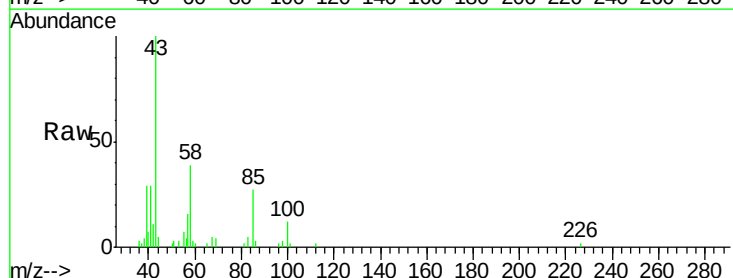
RT: 8.78 min Scan# 1864

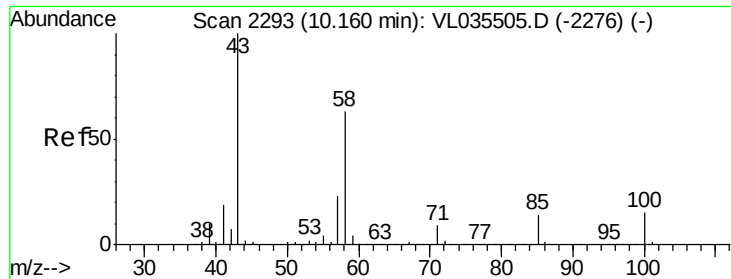
Delta R.T. 0.04 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	43	Resp:	25192
Ion	Ratio	Lower	Upper
43	100		
58	39.7	37.4	56.0





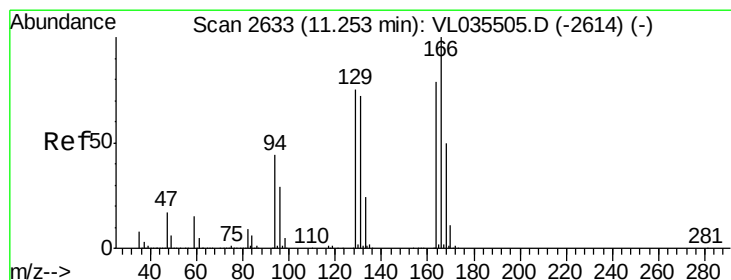
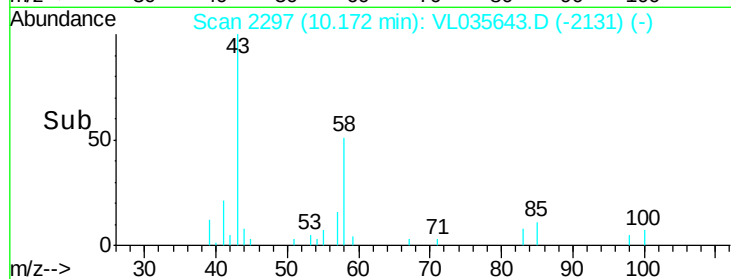
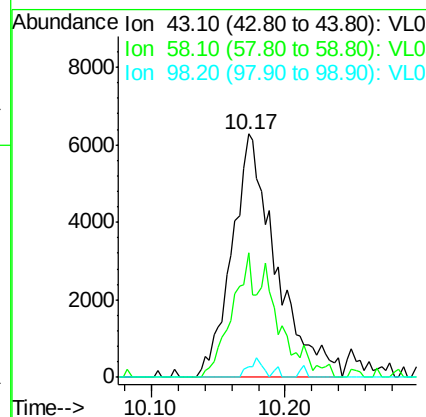
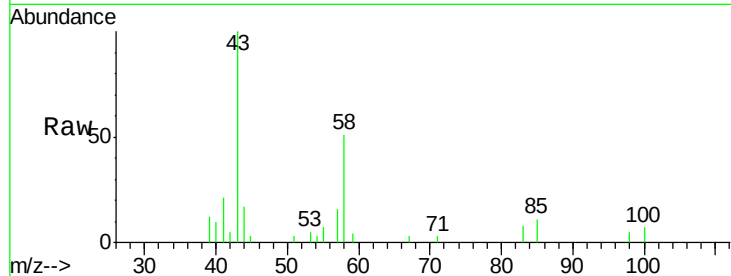
#51
2-Hexanone
Concen: 0.093 ppbv m
RT: 10.17 min Scan# 2297
Delta R.T. 0.04 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	50.2	75.4#
98	3.6	0.4	0.6#

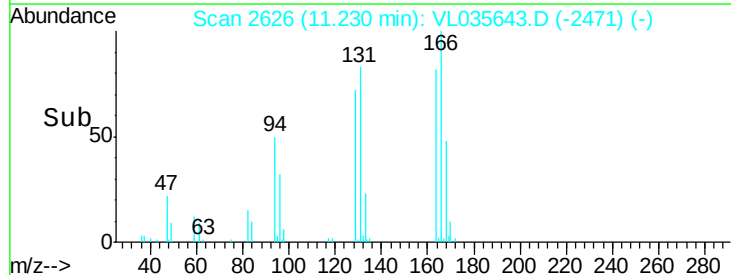
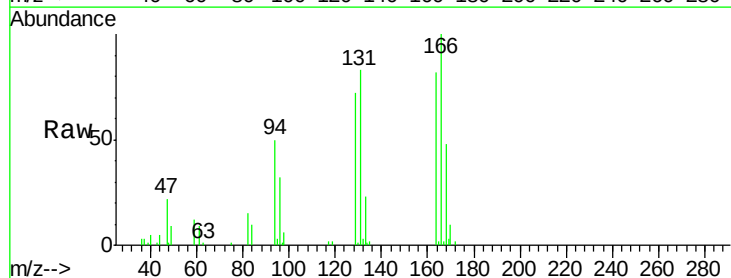
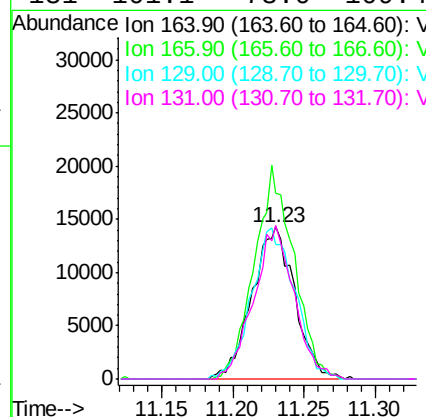
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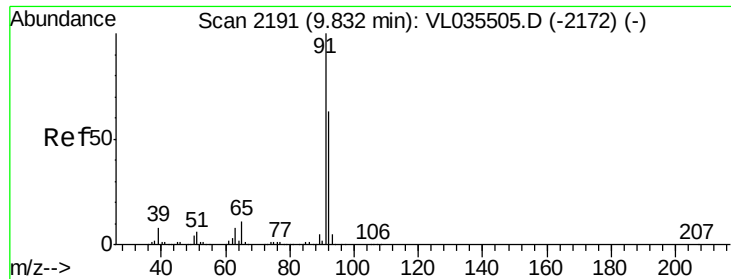
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#52
Tetrachloroethene
Concen: 0.181 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	100.9	151.3
129	88.4	75.3	112.9
131	101.1	73.0	109.4





#53

Toluene

Concen: 0.137 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 91 Resp: 48758

Ion Ratio Lower Upper

91 100

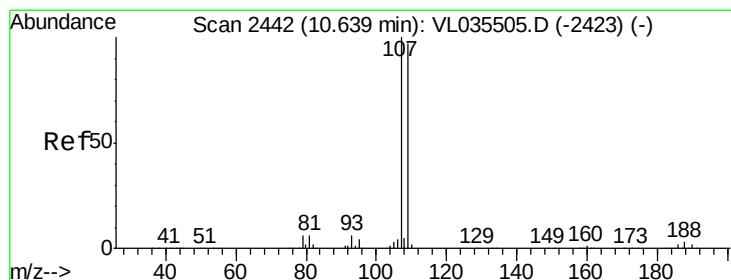
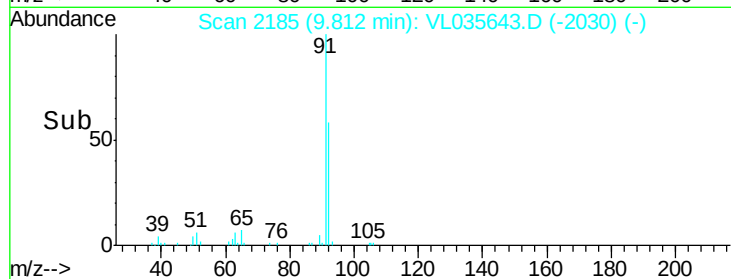
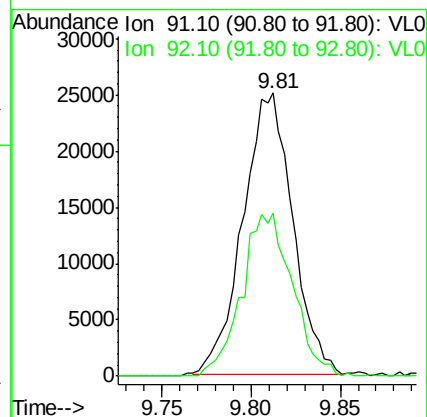
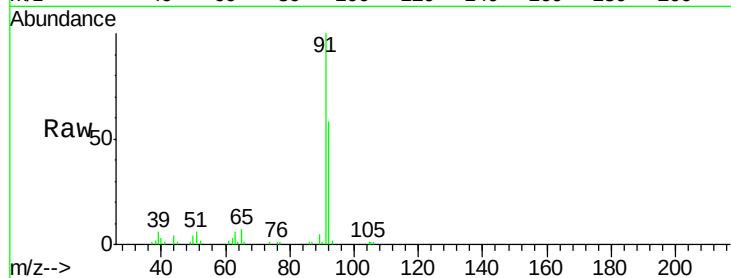
92 58.8 49.8 74.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.198 ppbv m

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035643.D

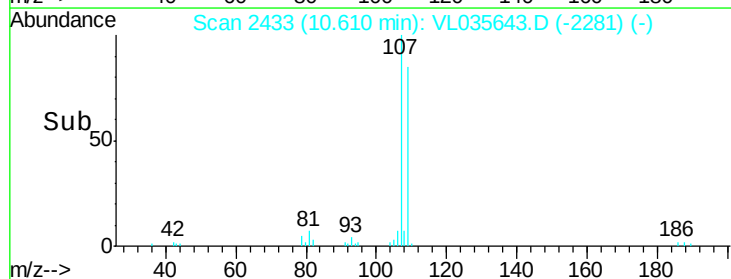
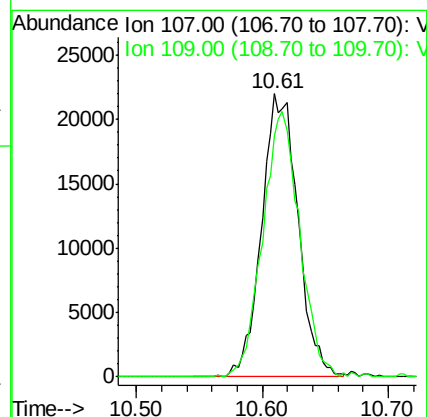
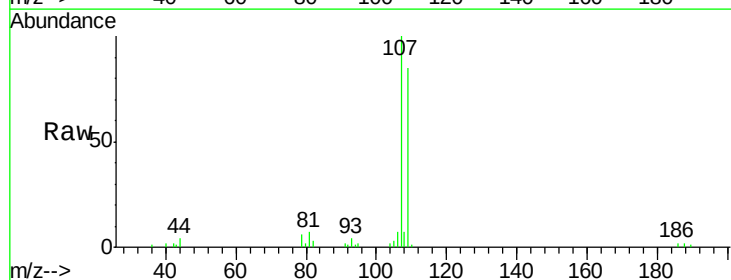
Acq: 17 Sep 2020 00:24

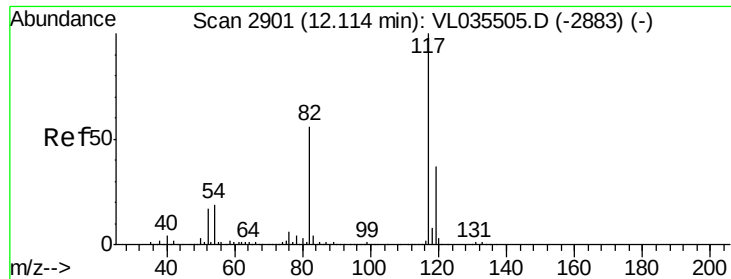
Tgt Ion: 107 Resp: 43968

Ion Ratio Lower Upper

107 100

109 85.3 77.8 116.8





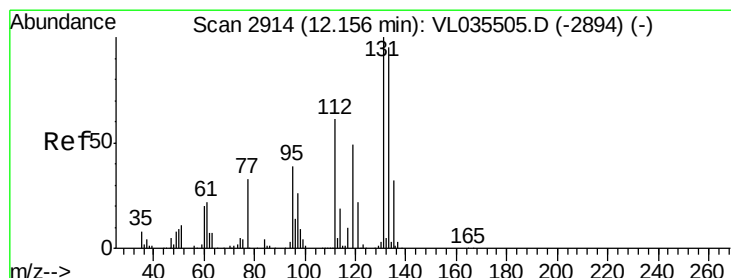
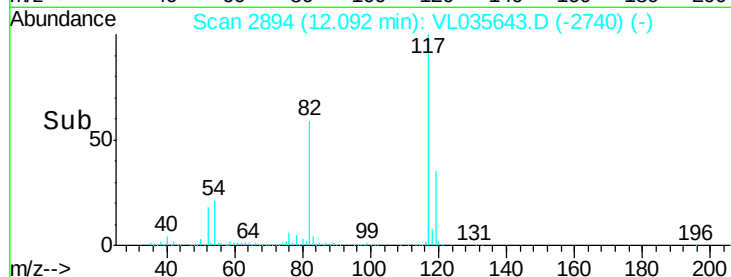
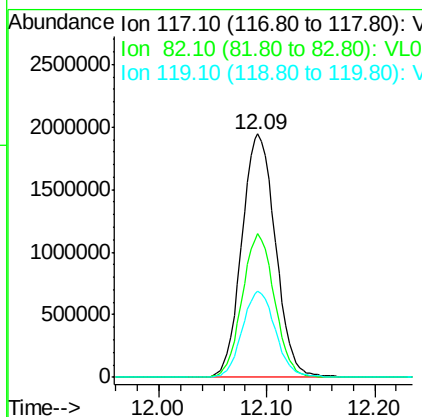
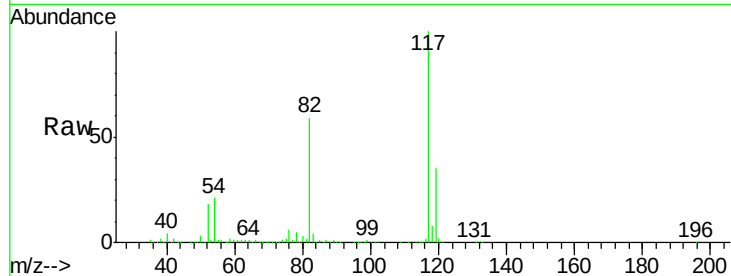
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion:117 Resp: 4220480
Ion Ratio Lower Upper
117 100
82 57.0 41.6 62.4
119 34.9 29.3 43.9

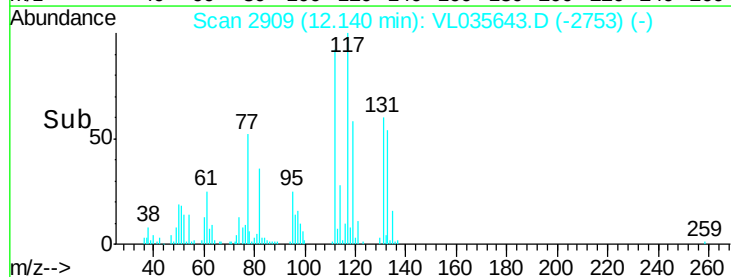
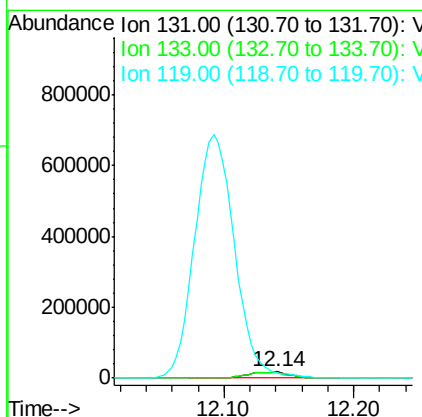
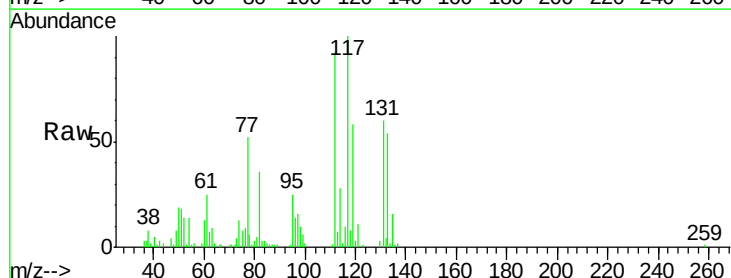
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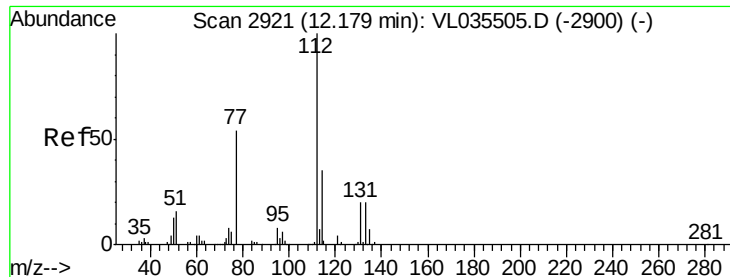
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.229 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:131 Resp: 39307
Ion Ratio Lower Upper
131 100
133 0.0 76.6 115.0#
119 0.0 51.6 77.4#





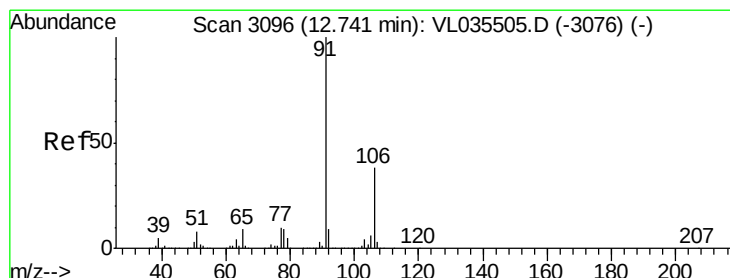
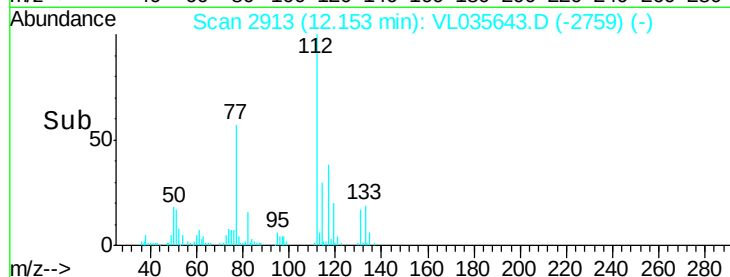
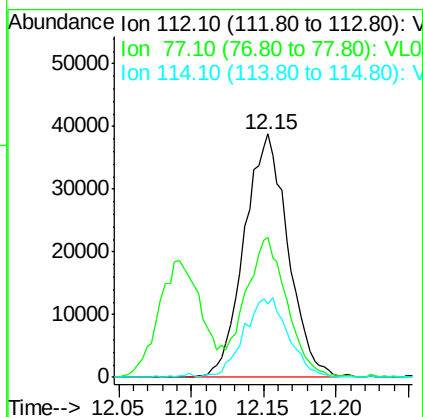
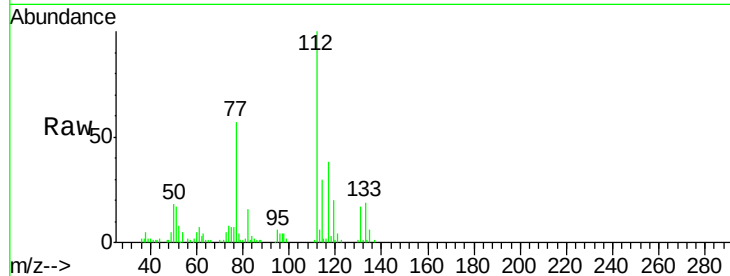
#57
Chlorobenzene
Concen: 0.262 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	56.5	44.2	66.4
114	30.3	31.6	38.6#

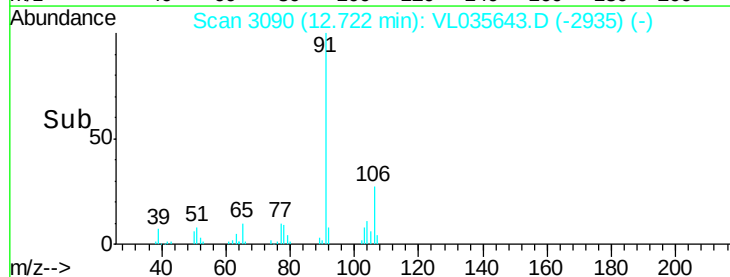
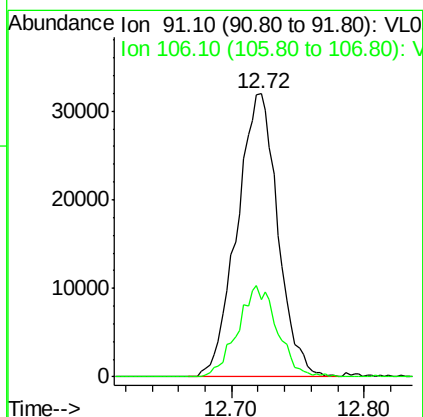
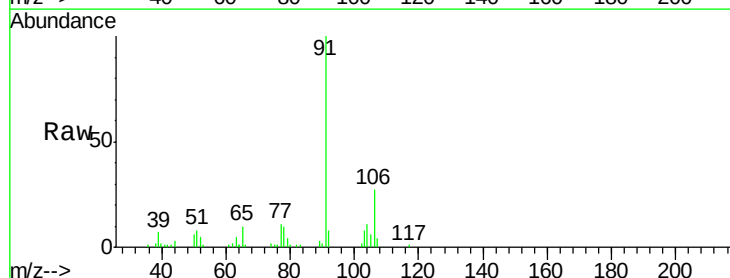
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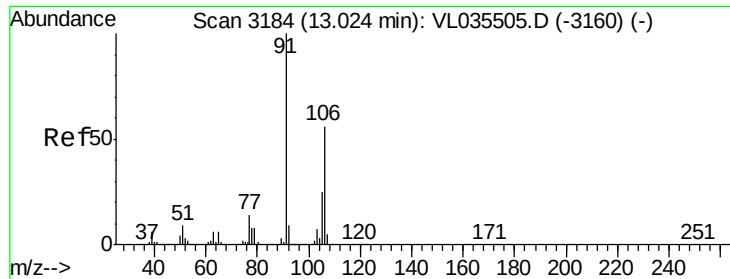
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#58
Ethyl Benzene
Concen: 0.156 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.2	30.3	45.5#





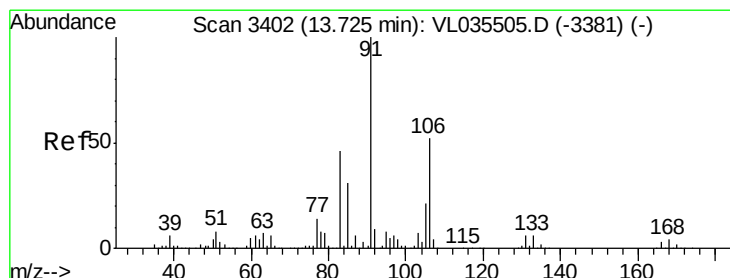
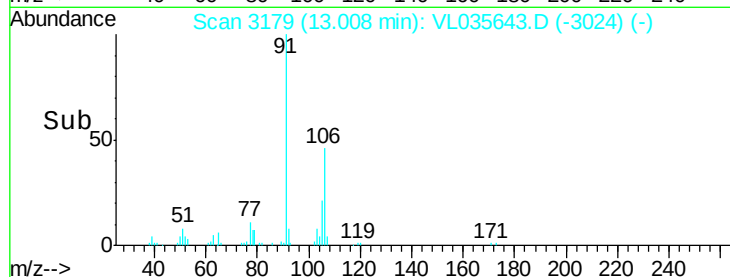
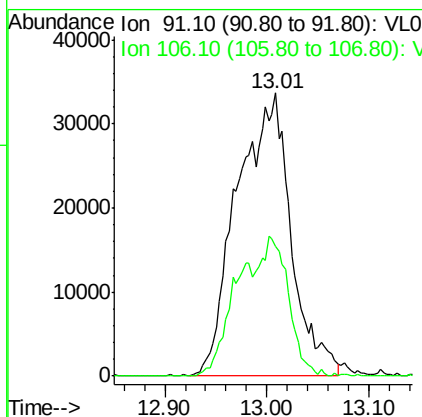
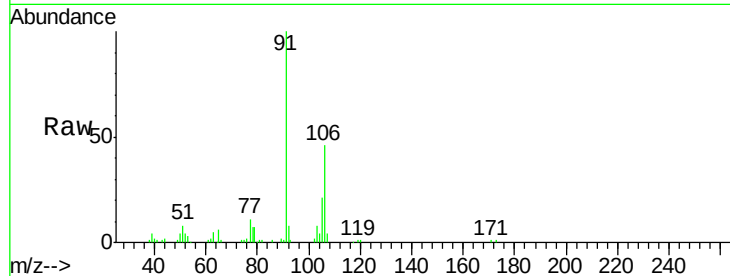
#59
m/p-Xylene
Concen: 0.339 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion: 91 Resp: 123186
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#

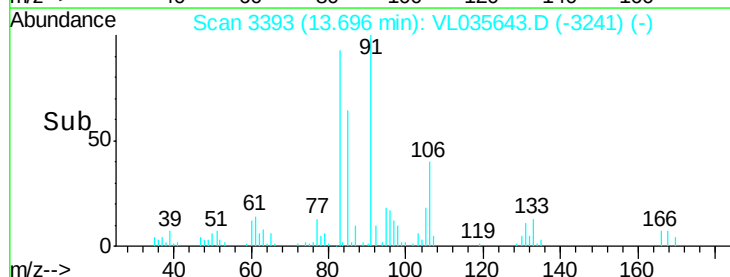
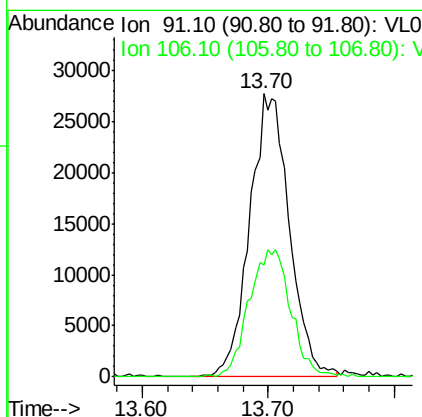
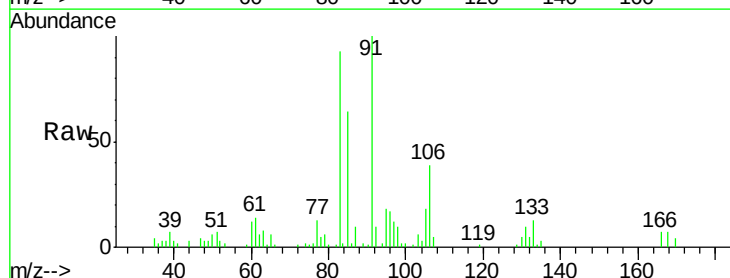
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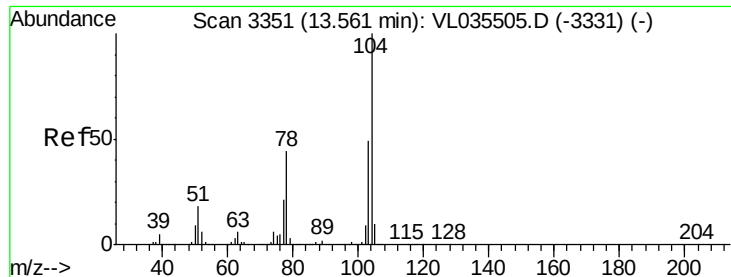
MMDadoda
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#60
o-Xylene
Concen: 0.165 ppbv m
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 91 Resp: 60392
Ion Ratio Lower Upper
91 100
106 47.4 25.8 77.4





#61

Stvrene

Concen: 0.114 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

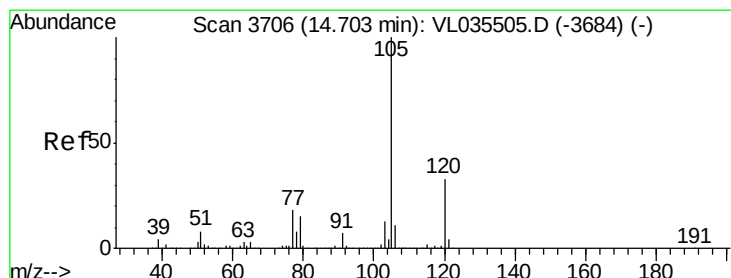
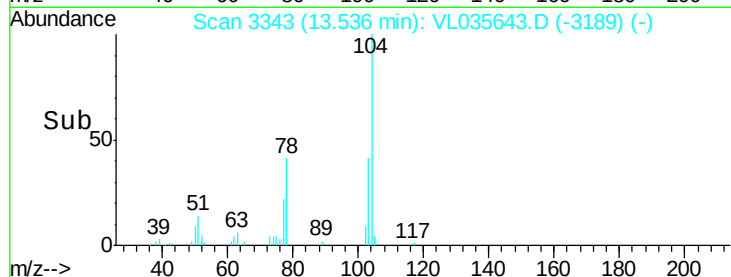
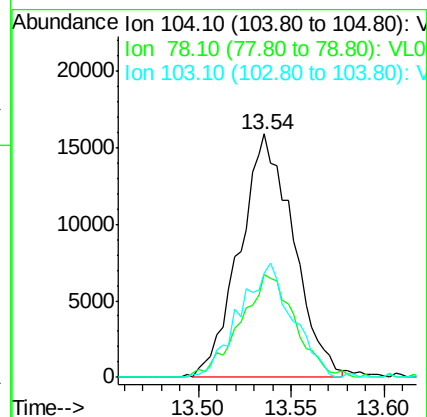
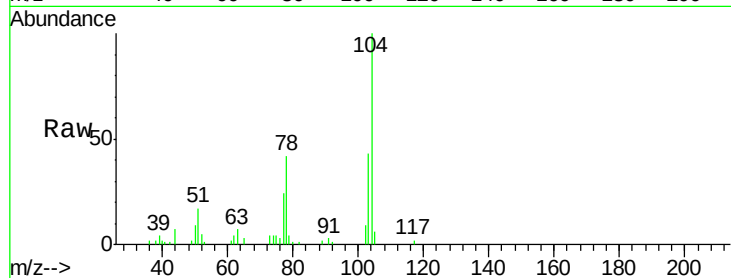
ClientSampleId :

VL0916ABS01

Tot Ion:	104	Resp:	32065
Ion Ratio	Lower	Upper	
104	100		
78	43.3	34.8	52.2
103	46.2	38.2	57.4

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#62

Isopropylbenzene

Concen: 0.192 ppbv

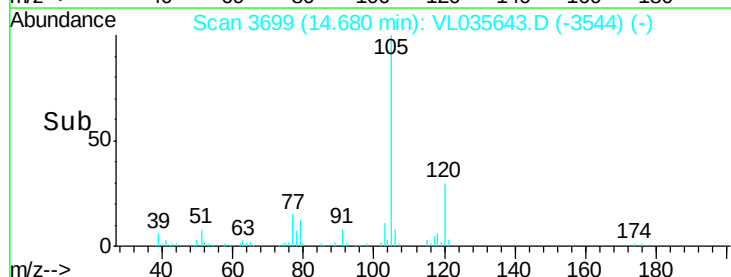
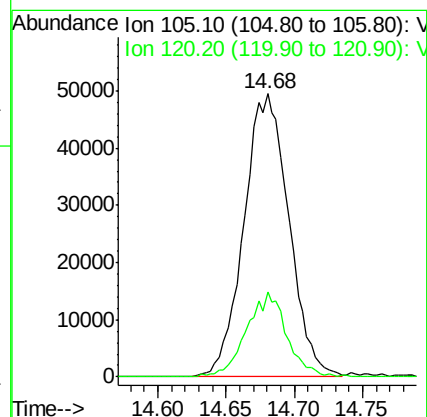
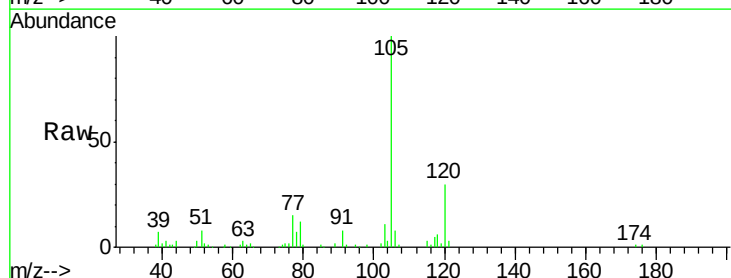
RT: 14.68 min Scan# 3699

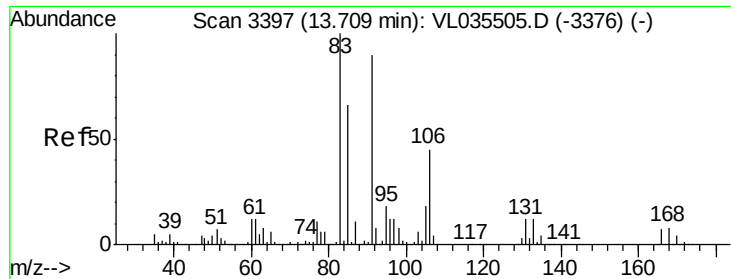
Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	105	Resp:	113216
Ion Ratio	Lower	Upper	
105	100		
120	26.7	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.264 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

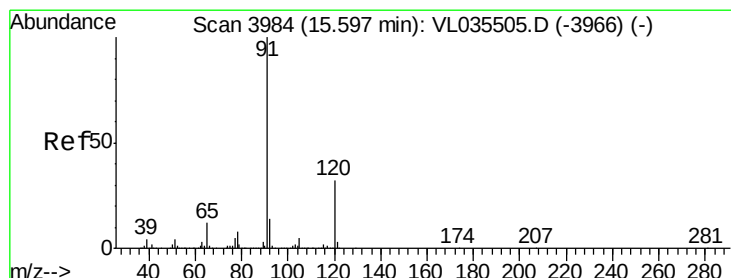
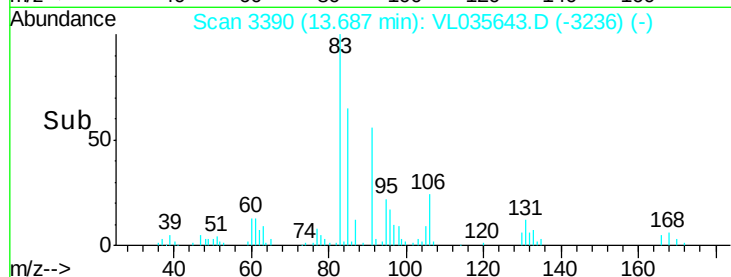
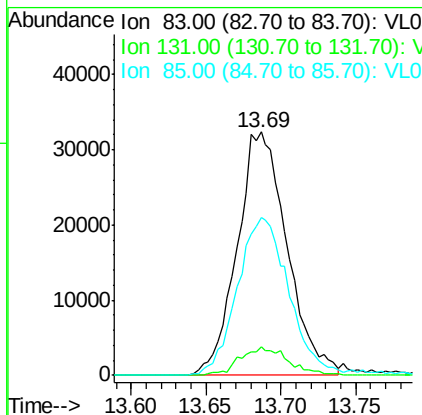
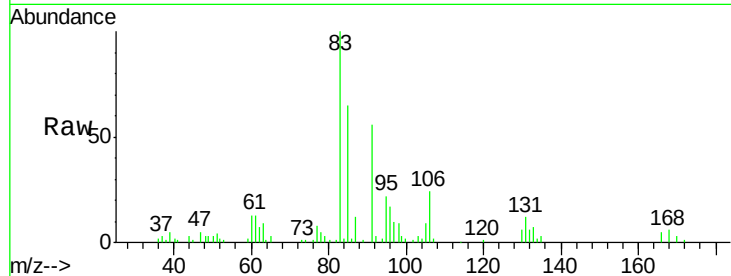
ClientSampleId :

VL0916ABS01

Tot Ion:	83	Resp:	75021
Ion	Ratio	Lower	Upper
83	100		
131	11.3	6.0	18.0
85	68.7	33.4	100.2

Manual Integrations
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#64

n-propylbenzene

Concen: 0.149 ppbv m

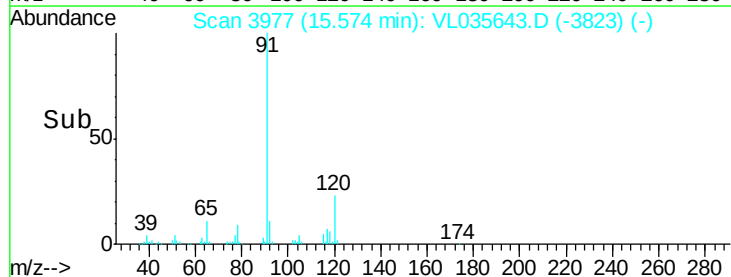
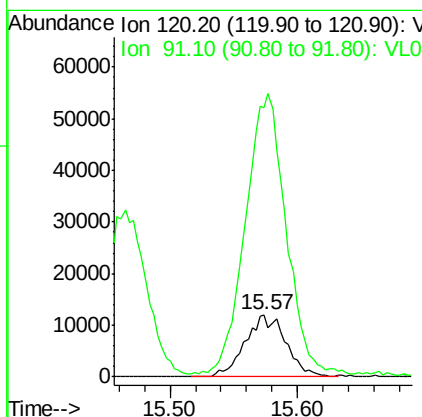
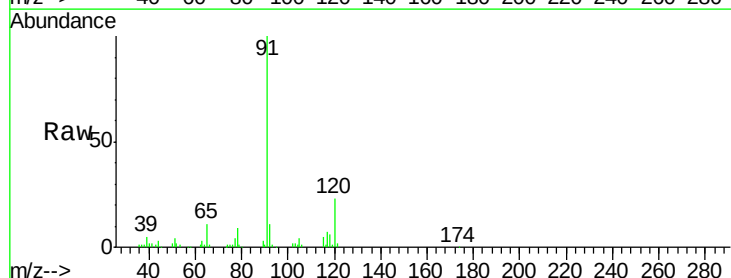
RT: 15.57 min Scan# 3977

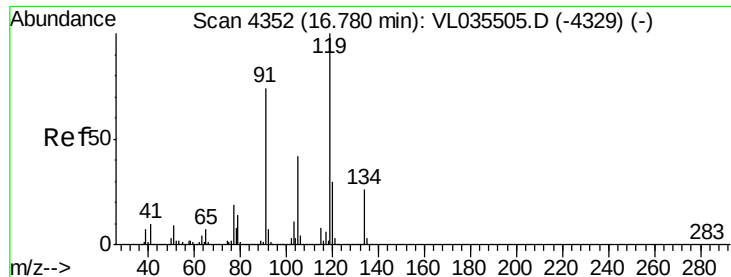
Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	120	Resp:	26799
Ion	Ratio	Lower	Upper
120	100		
91	465.6	279.4	419.0#





#65

tert-Butylbenzene

Concen: 0.143 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

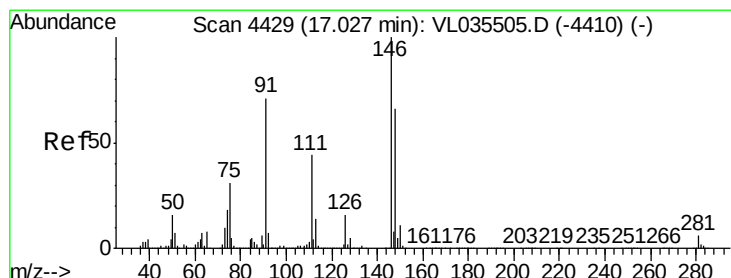
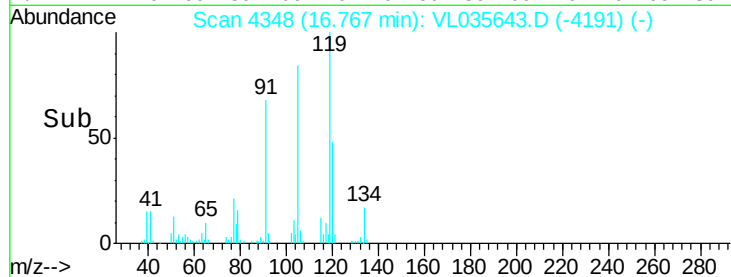
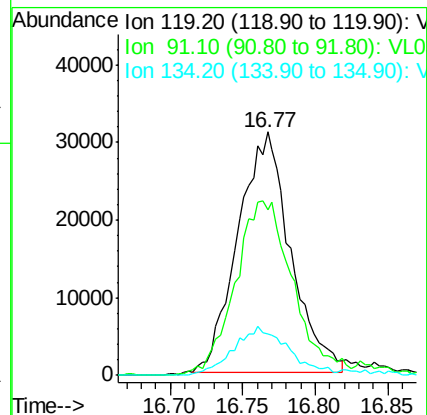
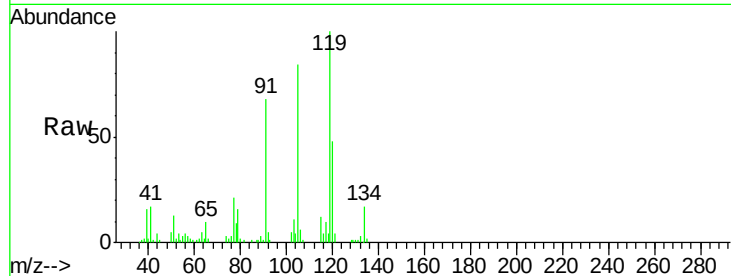
ClientSampleId :

VL0916ABS01

Tot Ion:	119	Resp:	78062
Ion Ratio	Lower	Upper	
119	100		
91	83.4	58.6	87.8
134	21.7	18.9	28.3

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.160 ppbv m

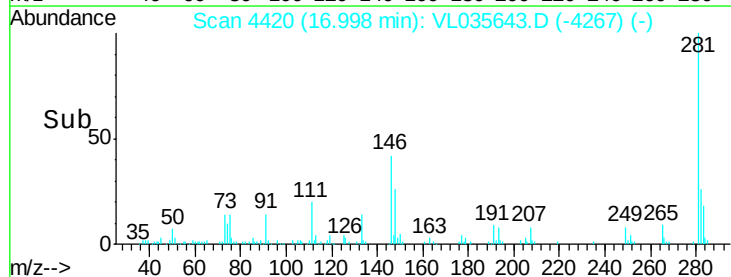
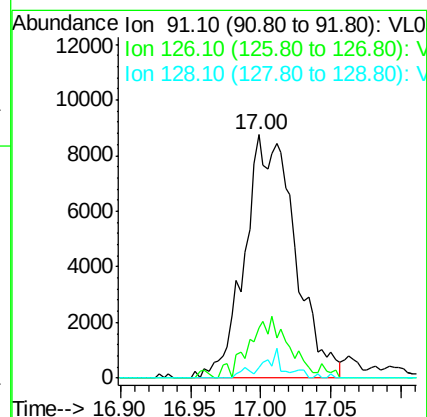
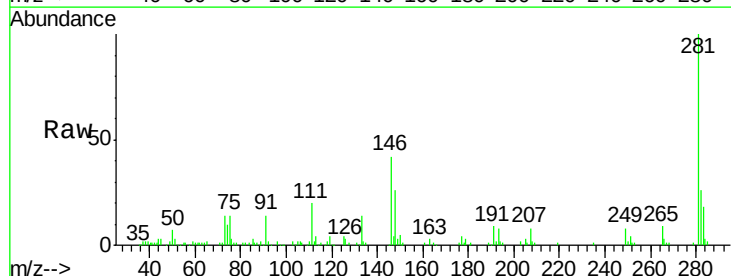
RT: 17.00 min Scan# 4420

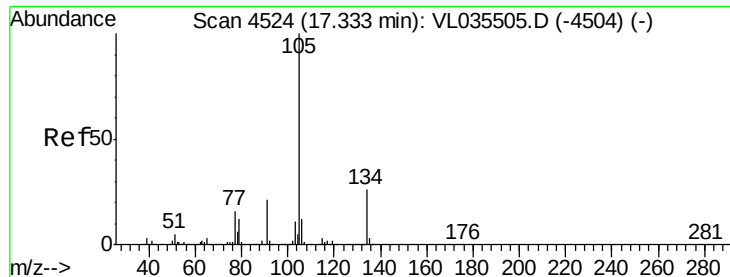
Delta R.T. -0.01 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Tgt Ion:	91	Resp:	21801
Ion Ratio	Lower	Upper	
91	100		
126	0.0	17.2	25.8#
128	0.0	5.5	8.3#





#67

sec-Butylbenzene

Concen: 0.175 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

Instrument :

MSVOA_L

ClientSampleId :

VL0916ABS01

Tot Ion: 105 Resp: 127346

Ion Ratio Lower Upper

105 100

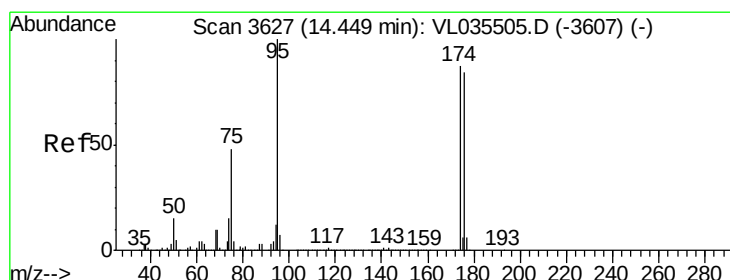
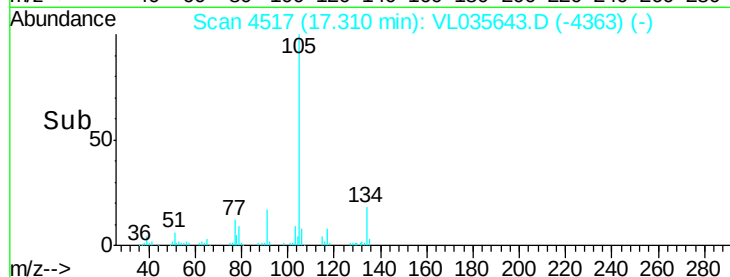
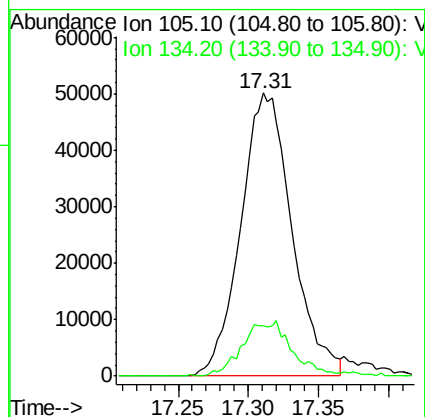
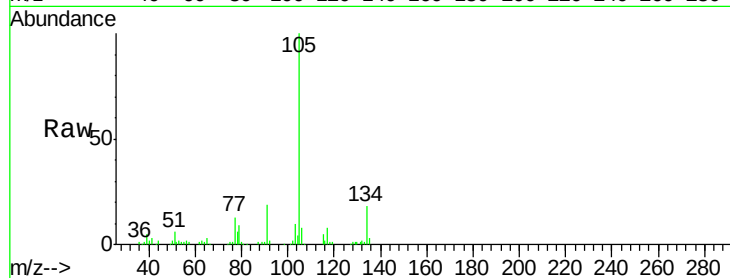
134 19.2 19.1 28.7

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.538 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL035643.D

Acq: 17 Sep 2020 00:24

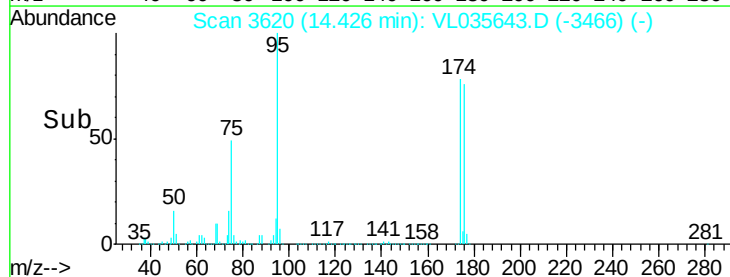
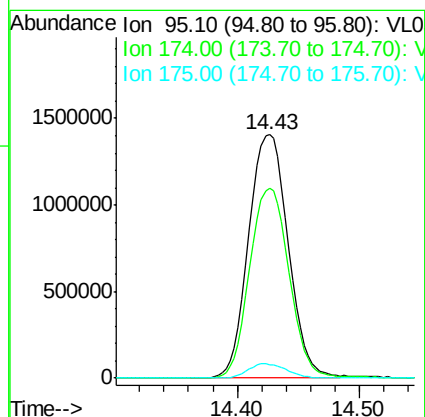
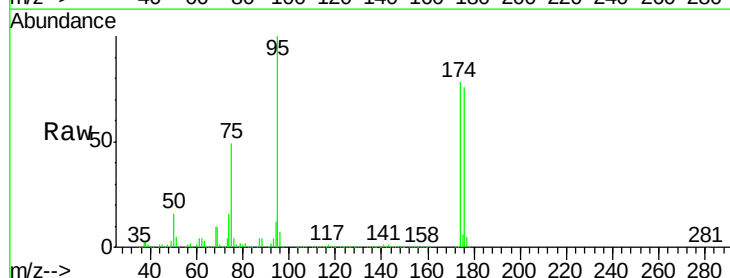
Tgt Ion: 95 Resp: 3158456

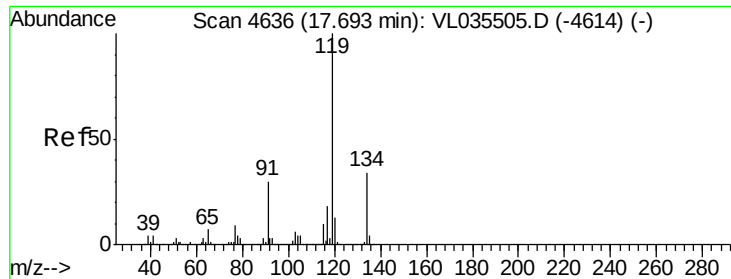
Ion Ratio Lower Upper

95 100

174 78.8 69.6 104.4

175 5.6 5.1 7.7





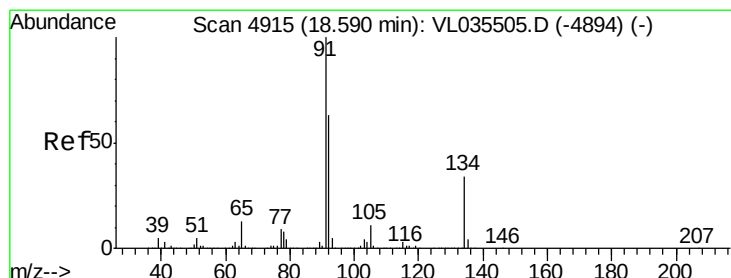
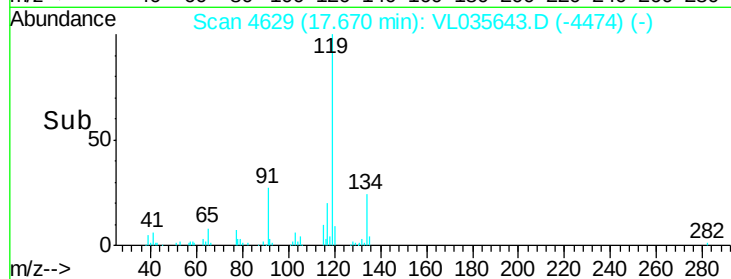
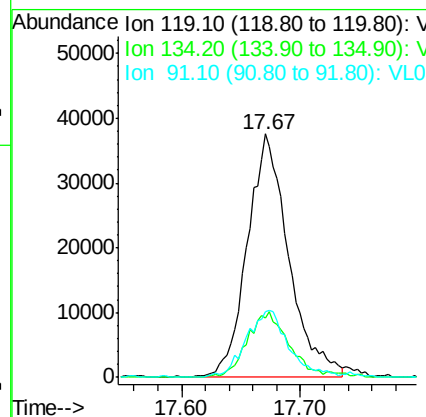
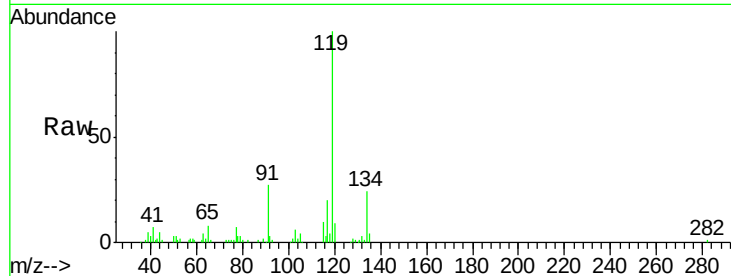
#69
 p-Isopropyltoluene
 Concen: 0.142 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:	119	Resp:	90456
Ion Ratio	Lower	Upper	
119	100		
134	27.9	25.0	37.4
91	29.0	22.3	33.5

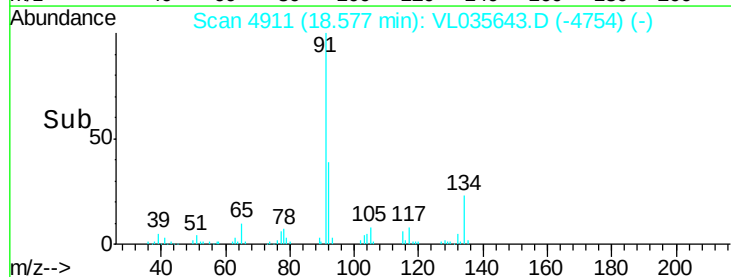
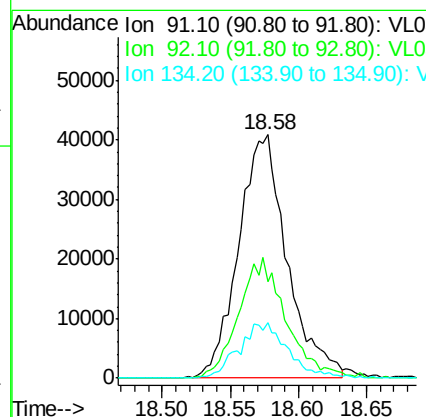
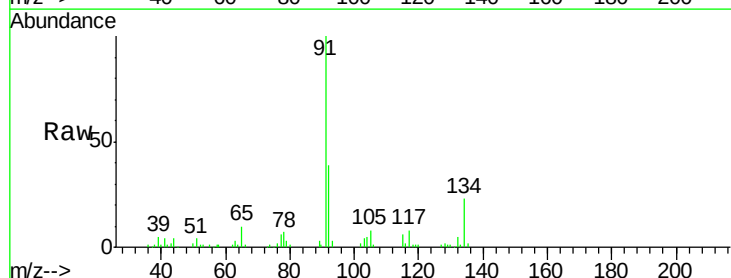
Manual Integrations
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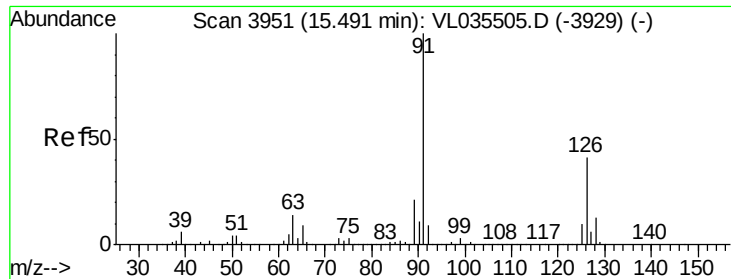
MMDadoda
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#70
 n-Butylbenzene
 Concen: 0.164 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.01 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion:	91	Resp:	100873
Ion Ratio	Lower	Upper	
91	100		
92	48.7	47.3	70.9
134	22.8	24.6	37.0#





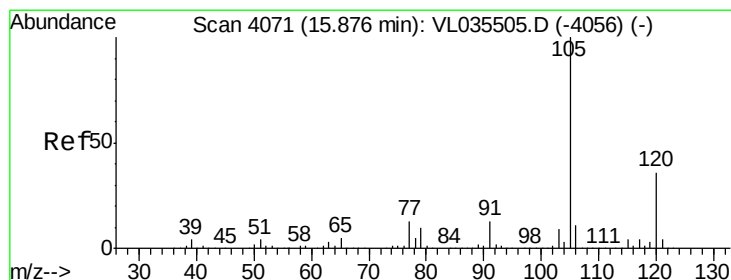
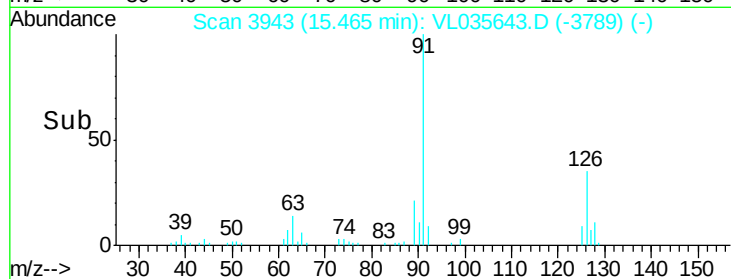
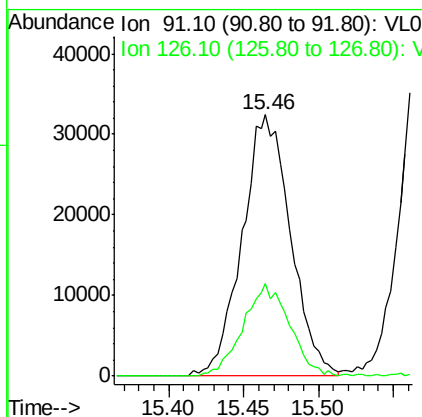
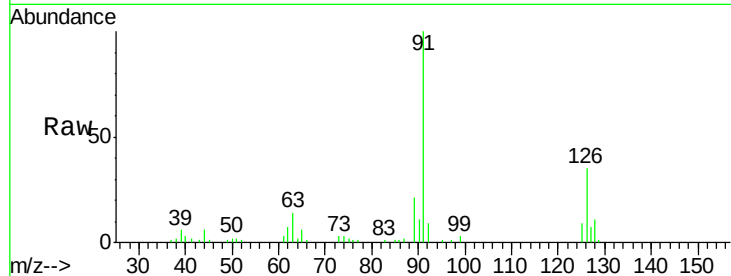
#71
 2-Chlorotoluene
 Concen: 0.170 ppbv
 RT: 15.46 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion: 91 Resp: 72970
 Ion Ratio Lower Upper
 91 100
 126 34.0 15.6 62.6

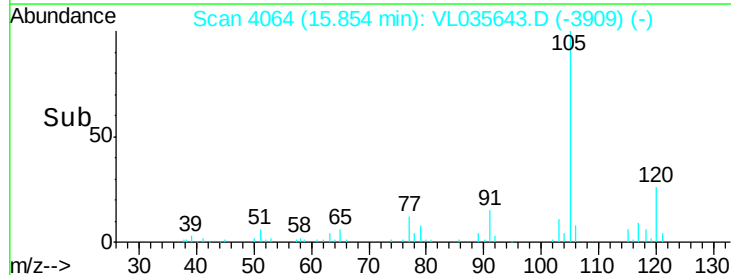
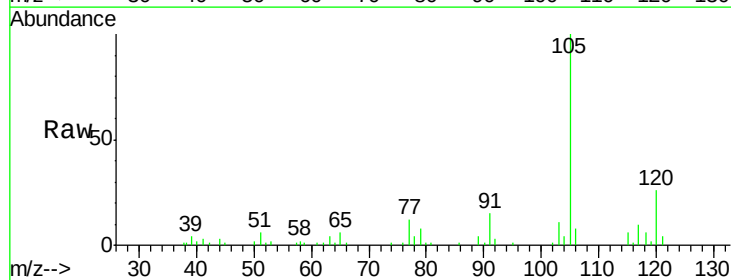
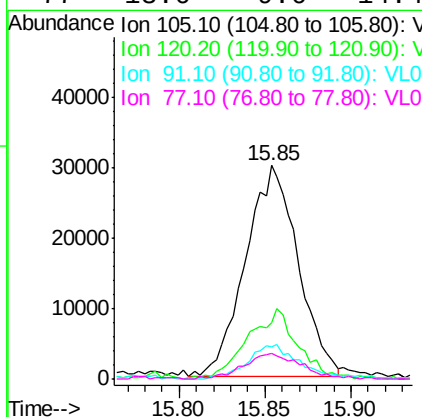
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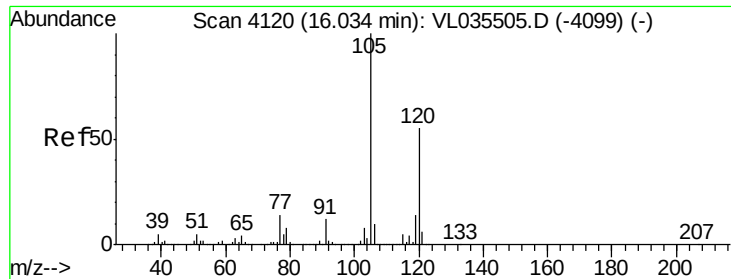
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 9/17/2020 1:52:56 PM



#72
 4-Ethyltoluene
 Concen: 0.136 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion: 105 Resp: 63461
 Ion Ratio Lower Upper
 105 100
 120 32.2 27.4 41.2
 91 16.8 9.7 14.5#
 77 13.6 9.6 14.4





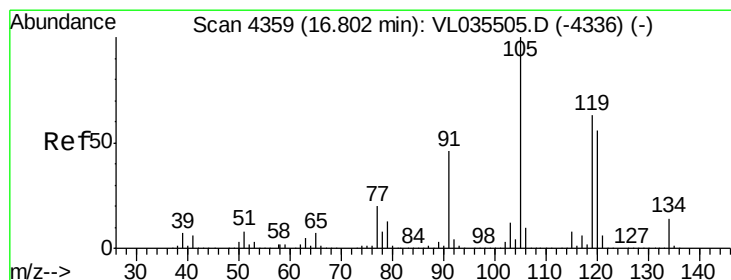
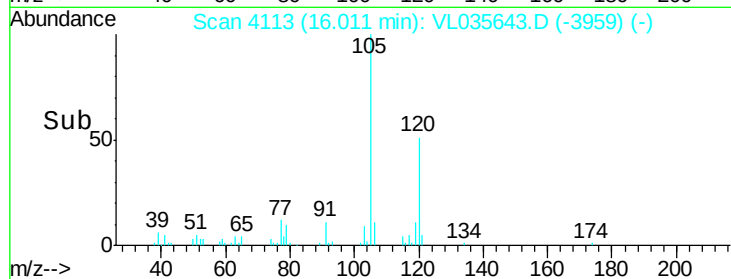
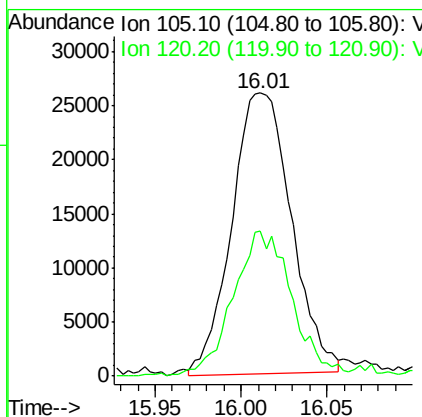
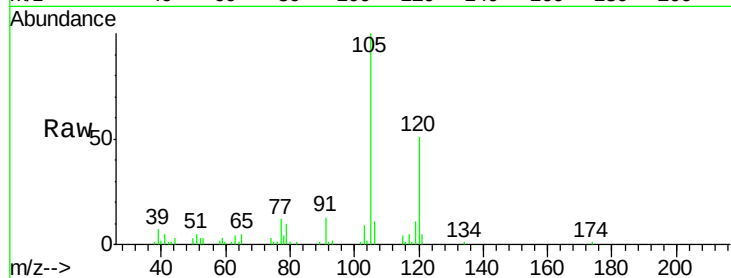
#73
 1,3,5-Trimethylbenzene
 Concen: 0.145 ppbv
 RT: 16.01 min Scan# 4113
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.1	44.2	66.2

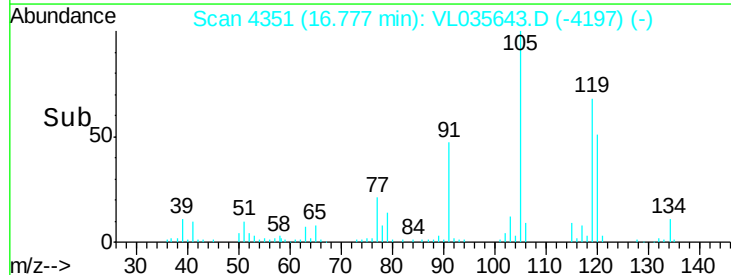
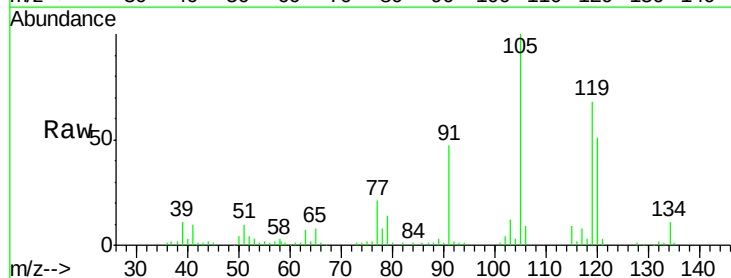
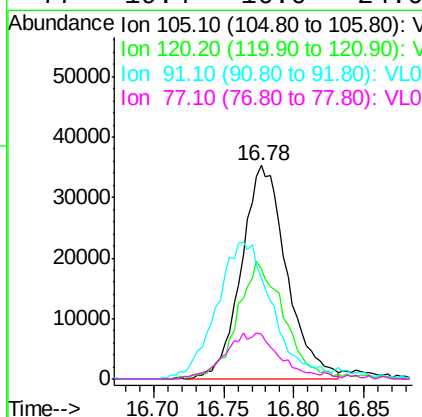
Manual Integrations
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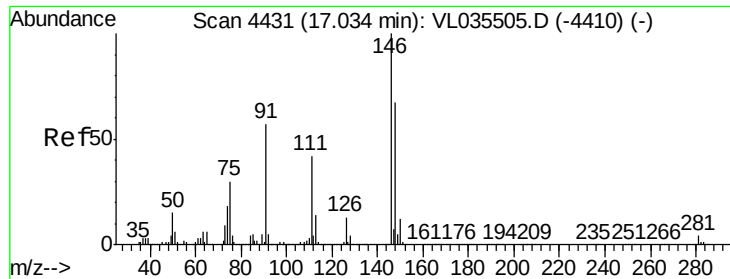
MMDadoda
 9/17/2020 1:52:56 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.167 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.5	44.4	66.6
91	42.0	37.1	55.7
77	19.4	16.0	24.0





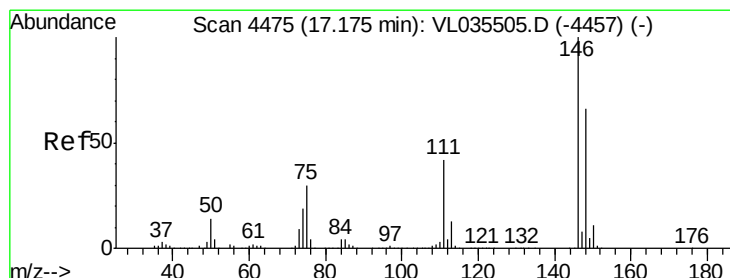
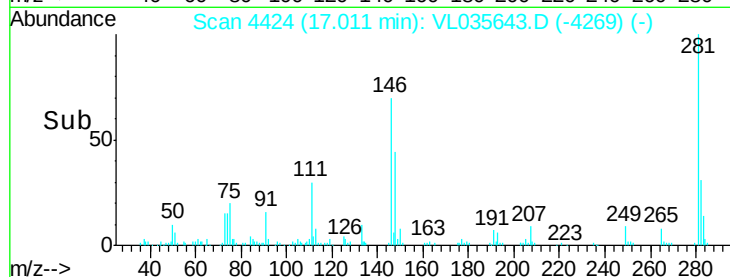
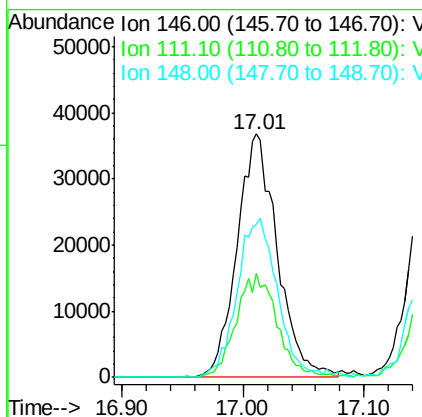
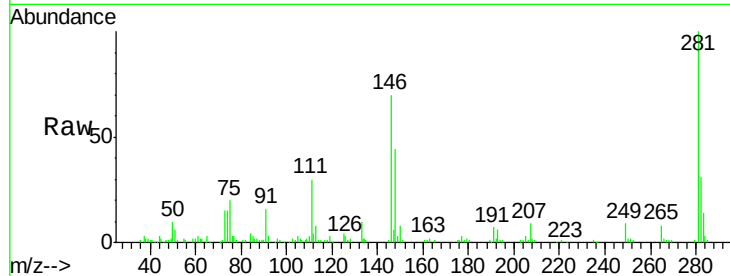
#75
1,3-Dichlorobenzene
Concen: 0.240 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.7	62.1
148	65.9	33.0	98.9

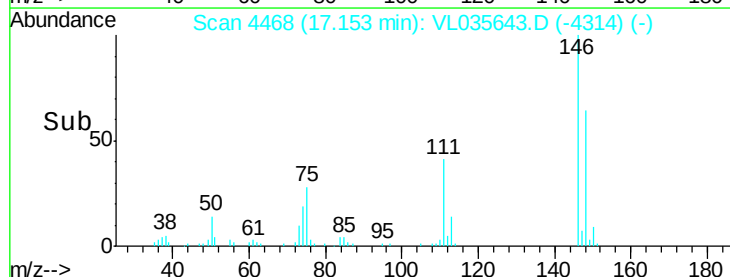
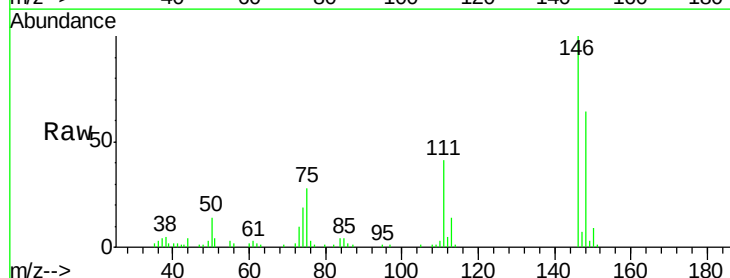
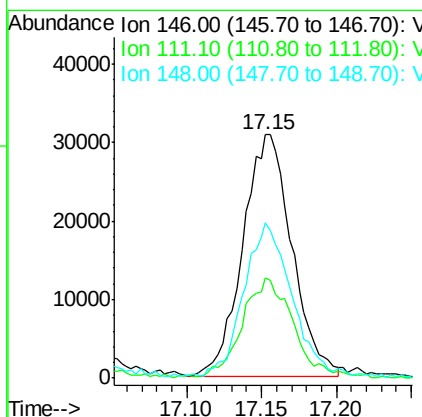
Manual Integrations
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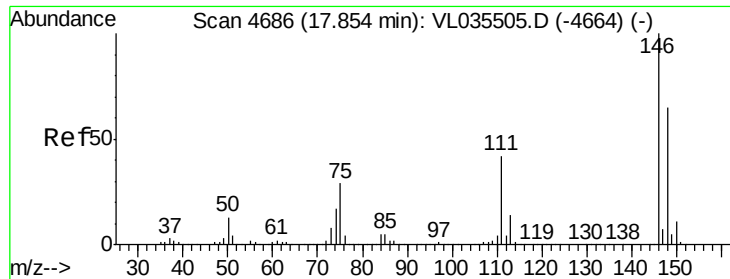
MMDadoda
9/17/2020 1:52:56 PM



#76
1,4-Dichlorobenzene
Concen: 0.204 ppbv
RT: 17.15 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.0	60.0
148	65.3	33.2	99.6





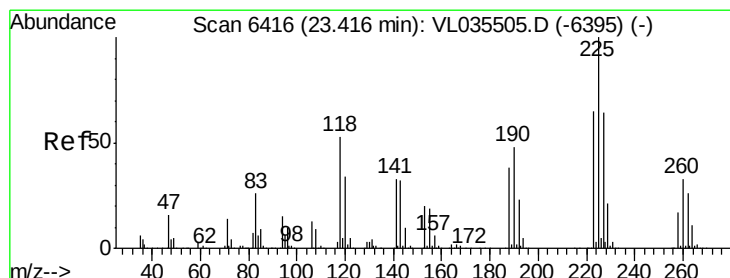
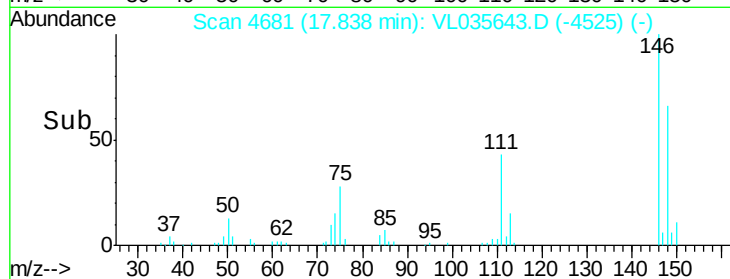
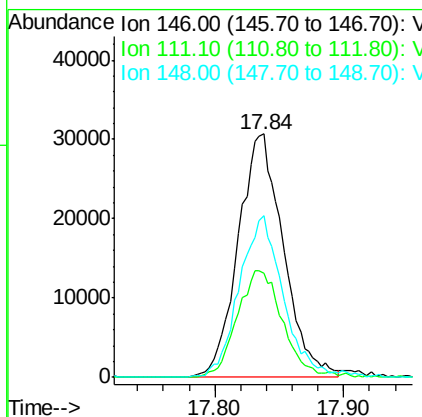
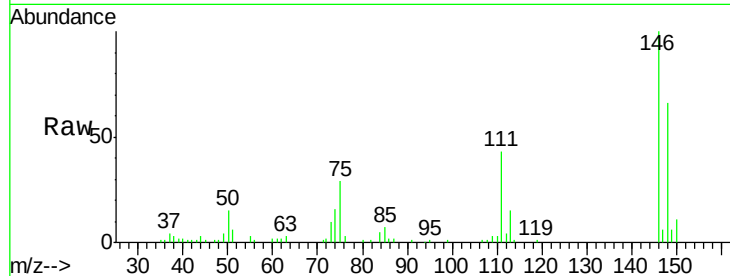
#77
 1,2-Dichlorobenzene
 Concen: 0.220 ppbv
 RT: 17.84 min Scan# 4681
 Delta R.T. 0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.3
148	65.0	32.9	98.7

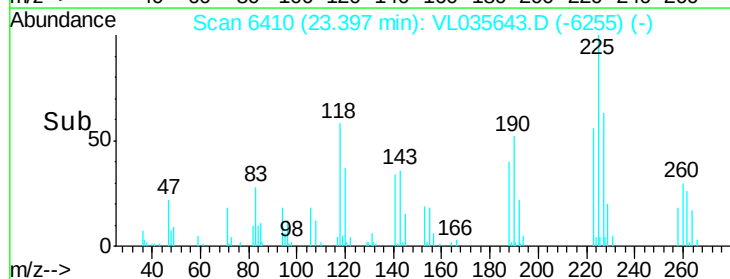
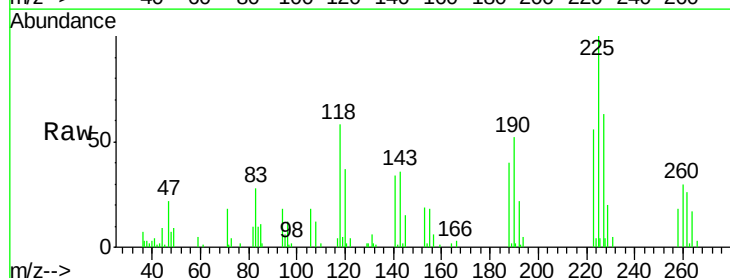
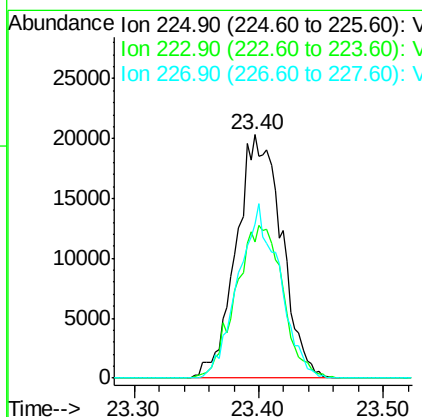
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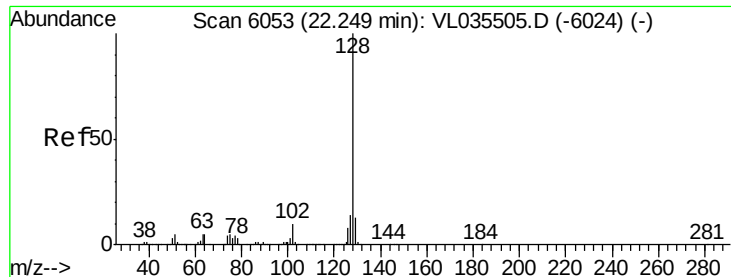
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.237 ppbv m
 RT: 23.40 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.7	77.5
227	65.3	51.5	77.3





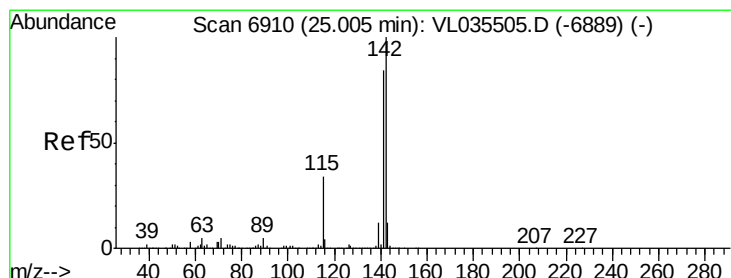
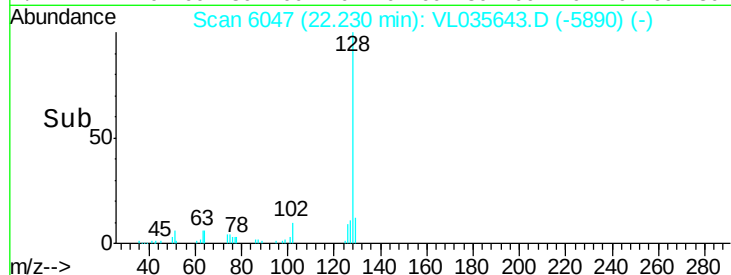
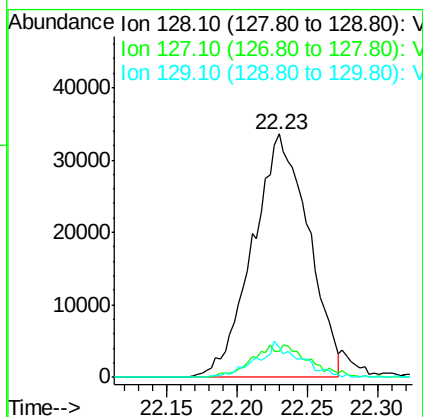
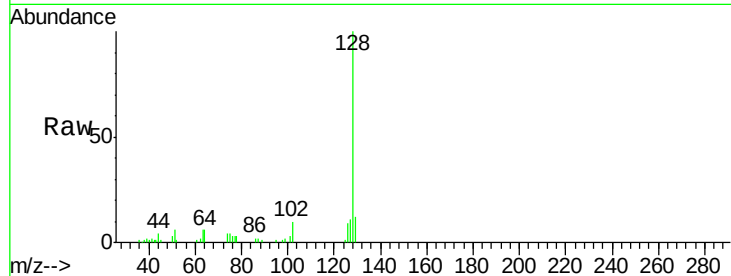
#79
Naphthalene
Concen: 0.176 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.9	11.4	17.2#
129	12.4	10.5	15.7

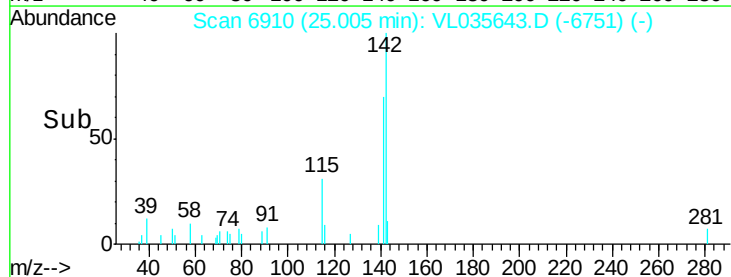
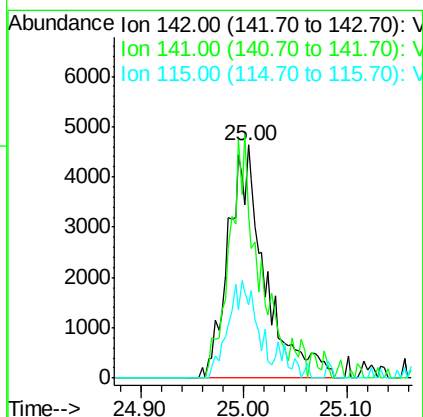
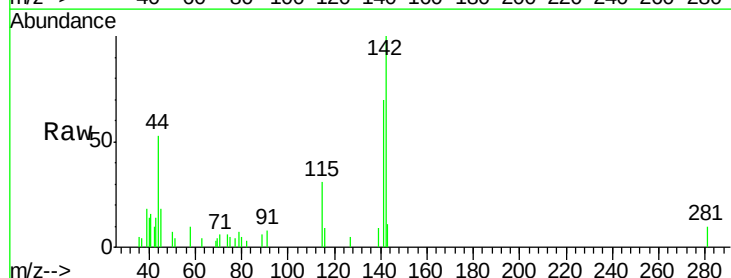
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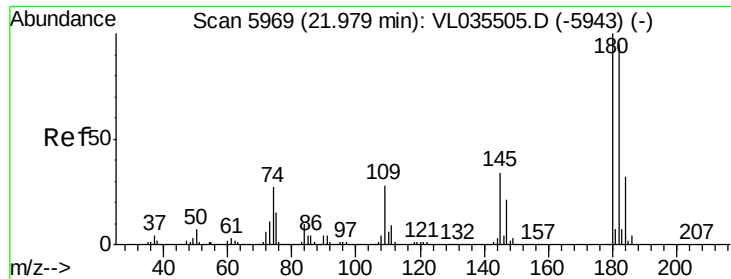
MMDadoda
9/17/2020 1:52:56 PM



#80
Naphthalene, 2-methyl-
Concen: 0.064 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.6	101.4
115	38.5	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.193 ppbv m
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.01 min
 Lab File: VL035643.D
 Acq: 17 Sep 2020 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0916ABS01

Tot Ion:	180	Resp:	60611
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.3	114.5#
184	32.1	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
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