

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035421.D
 Acq On : 17 Aug 2020 14:52
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:37 AM

Quant Time: Aug 17 16:30:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1141124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5162308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5430807	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3683191	8.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	408959	2.699	ppbv	97
3) Chlorodifluoromethane	2.99	51	308850	2.112	ppbv	95
4) Chloromethane	3.14	50	158278	2.055	ppbv	100
5) Vinyl Chloride	3.26	62	188004	2.402	ppbv	94
6) Bromomethane	3.48	94	165796	3.863	ppbv	97
7) Chloroethane	3.56	64	69099	2.662	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	581578	3.367	ppbv #	57
9) Propene	3.01	41	117835	1.698	ppbv	99
10) Heptane	8.14	43	330403	1.884	ppbv #	80
11) Trichlorofluoromethane	3.96	101	720645	3.962	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	529907	4.475	ppbv #	76
13) Ethanol	3.61	45	50860	2.295	ppbv	98
14) Bromoethene	3.75	108	235919	4.540	ppbv #	94
15) Acetone	3.86	43	289426	1.927	ppbv #	75
16) 1,3-Butadiene	3.33	39	117470	1.708	ppbv #	69
17) tert-Butyl alcohol	4.30	59	359584	2.523	ppbv	98
18) 1,1-Dichloroethene	4.29	96	233959	4.397	ppbv #	59
19) Isopropyl Alcohol	3.98	45	192227	1.815	ppbv #	97
20) Methylene Chloride	4.35	84	229330	4.117	ppbv #	62
21) Allyl Chloride	4.42	41	140608	1.602	ppbv #	81
22) trans-1,2-Dichloroethene	4.90	96	247691	4.673	ppbv #	63
23) Vinyl Acetate	5.08	43	405945	1.844	ppbv #	95
24) 1,1-Dichloroethane	5.02	63	410482	2.616	ppbv #	95
25) Ethyl Acetate	5.69	43	562538	1.871	ppbv #	94
26) Hexane	5.70	57	315442	2.414	ppbv #	76
27) Carbon Disulfide	4.56	76	455800	3.583	ppbv #	87
28) Methyl tert-Butyl Ether	5.05	73	573898	2.846	ppbv #	91
29) Chloroform	5.76	83	622879	3.104	ppbv	100
30) Cyclohexane	7.15	84	350518	3.379	ppbv #	69
31) cis-1,2-Dichloroethene	5.56	61	325665	2.447	ppbv #	64
32) 1,1,1-Trichloroethane	6.53	97	611442	3.056	ppbv #	90
34) 2-Butanone	5.26	43	371856	0.934	ppbv #	73
35) Carbon Tetrachloride	7.04	117	634588	1.655	ppbv	99
36) Benzene	6.91	78	833512	1.591	ppbv #	89
37) 1,2-Dichloroethane	6.32	62	371353	1.149	ppbv #	89
38) Trichloroethene	7.85	130	456624	2.254	ppbv #	83
39) 1,2-Dichloropropane	7.63	63	269854	1.278	ppbv #	82
40) 1,4-Dioxane	7.86	88	143781	1.760	ppbv #	36
41) Tetrahydrofuran	6.07	42	209302	0.935	ppbv #	64
42) Bromodichloromethane	7.81	83	641991	1.554	ppbv #	95
43) Methyl Methacrylate	8.04	69	324161	1.422	ppbv #	59

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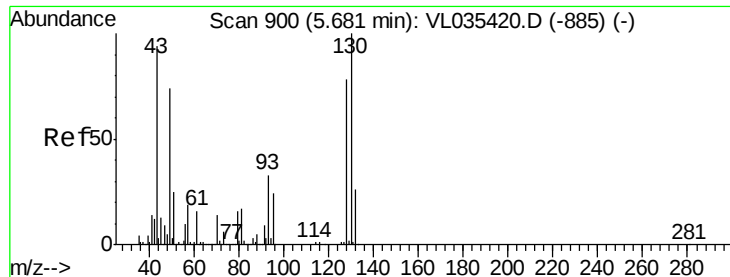
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	1114639	1.217	ppbv #	90
45) t-1,3-Dichloropropene	9.30	75	331705	1.385	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	420792	1.451	ppbv #	74
47) 1,1,2-Trichloroethane	9.50	97	407430	1.919	ppbv	90
48) Dibromochloromethane	10.33	129	696541	2.253	ppbv	98
49) Bromoform	13.07	173	677559	2.788	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	550583	0.956	ppbv #	83
51) 2-Hexanone	10.17	43	467293	0.956	ppbv #	80
52) Tetrachloroethene	11.25	164	503039	2.699	ppbv #	81
53) Toluene	9.83	91	1095224	1.836	ppbv	99
54) 1,2-Dibromoethane	10.64	107	659937	2.014	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	564115	2.111	ppbv #	1
57) Chlorobenzene	12.18	112	992011	2.023	ppbv #	80
58) Ethyl Benzene	12.74	91	1471650	1.637	ppbv	93
59) m/p-Xylene	13.00	91	2488645m	3.318	ppbv	
60) o-Xylene	13.72	91	1197100	1.622	ppbv	89
61) Styrene	13.56	104	965632	1.915	ppbv #	87
62) Isopropylbenzene	14.70	105	2005266	1.841	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.71	83	855213	1.493	ppbv	99
64) n-propylbenzene	15.59	120	600592	2.175	ppbv #	64
65) tert-Butylbenzene	16.78	119	1976265	2.117	ppbv #	78
66) Benzyl Chloride	17.02	91	434487	1.422	ppbv #	91
67) sec-Butylbenzene	17.33	105	2648525	1.922	ppbv #	91
69) p-Isopropyltoluene	17.69	119	2371530	2.113	ppbv #	89
70) n-Butylbenzene	18.59	91	2213479	1.687	ppbv #	94
71) 2-Chlorotoluene	15.49	91	1437291	1.613	ppbv	82
72) 4-Ethyltoluene	15.87	105	1612909	1.865	ppbv #	91
73) 1,3,5-Trimethylbenzene	16.03	105	1503020	1.841	ppbv	89
74) 1,2,4-Trimethylbenzene	16.80	105	1642991	1.879	ppbv #	90
75) 1,3-Dichlorobenzene	17.03	146	1231830	2.589	ppbv	92
76) 1,4-Dichlorobenzene	17.17	146	1218180	2.496	ppbv	91
77) 1,2-Dichlorobenzene	17.85	146	1210495	2.525	ppbv	91
78) Hexachloro-1,3-Butadiene	23.42	225	984635	2.674	ppbv	99
79) Naphthalene	22.25	128	2396710	2.348	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	952009	2.235	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.98	180	1397156	2.888	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1141124

Ion Ratio Lower Upper

49 100

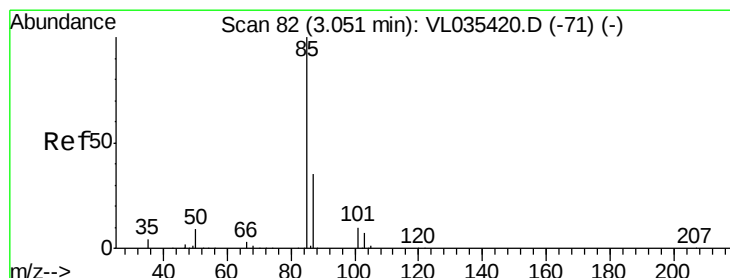
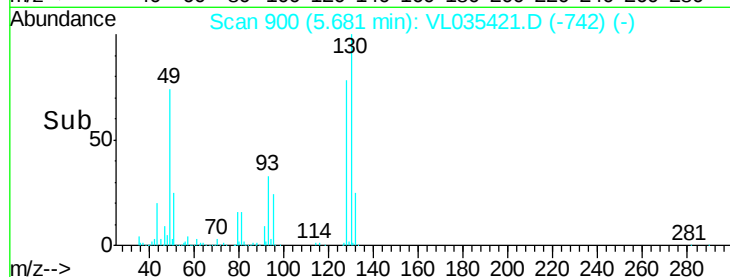
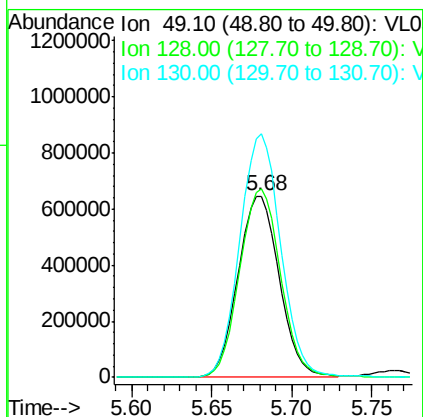
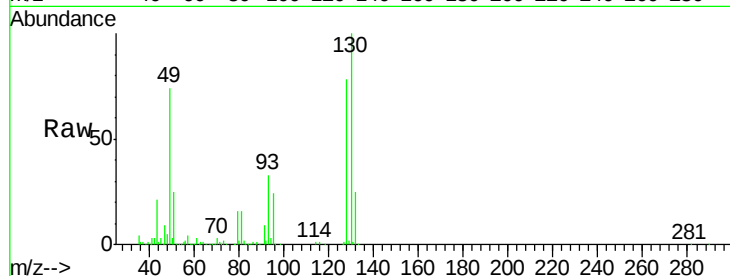
128 103.7 20.9 62.7#

130 134.4 26.7 80.1#

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#2

Dichlorodifluoromethane

Concen: 2.699 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL035421.D

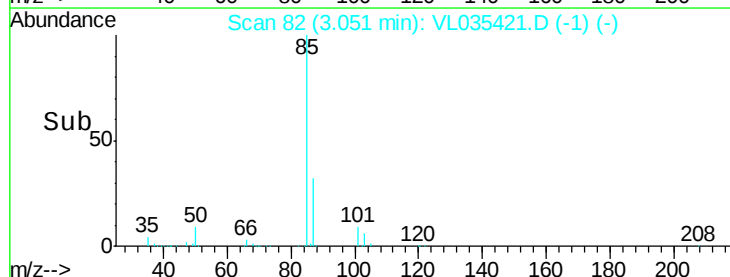
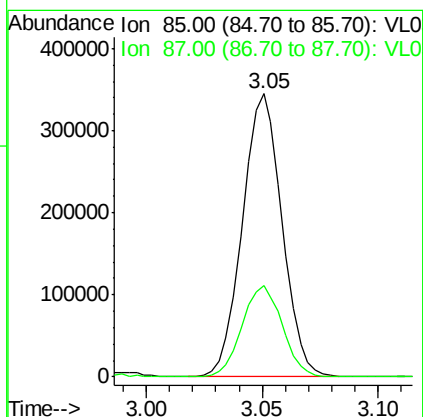
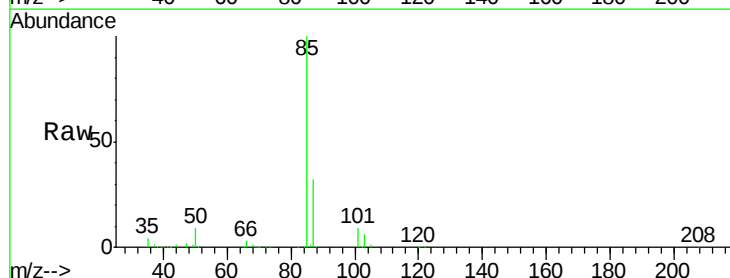
Acq: 17 Aug 2020 14:52

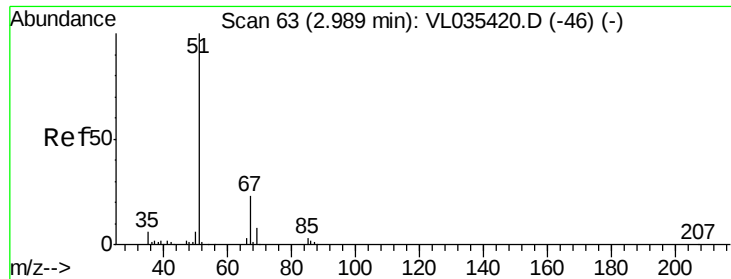
Tgt Ion: 85 Resp: 408959

Ion Ratio Lower Upper

85 100

87 32.1 27.1 40.7





#3

Chlorodifluoromethane

Concen: 2.112 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 308850

Ion Ratio Lower Upper

51 100

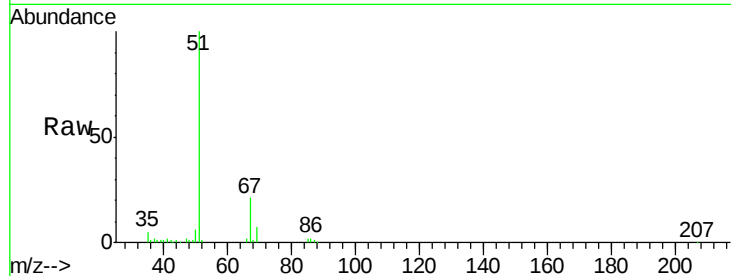
67 21.1 15.0 22.6

Manual Integrations

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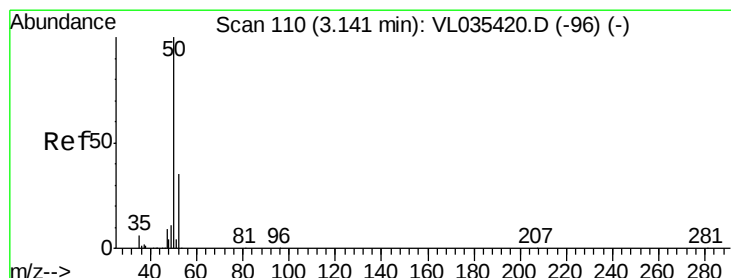
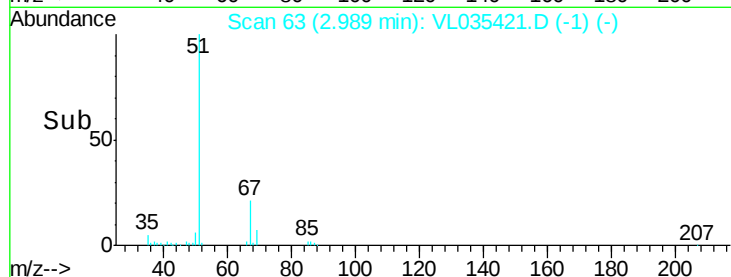
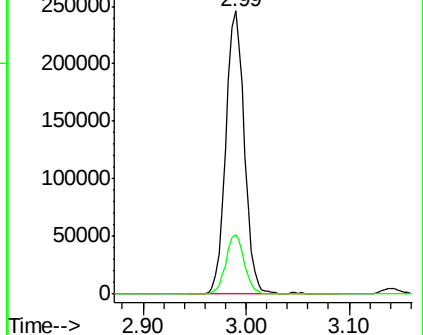
MMDadoda

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.055 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL035421.D

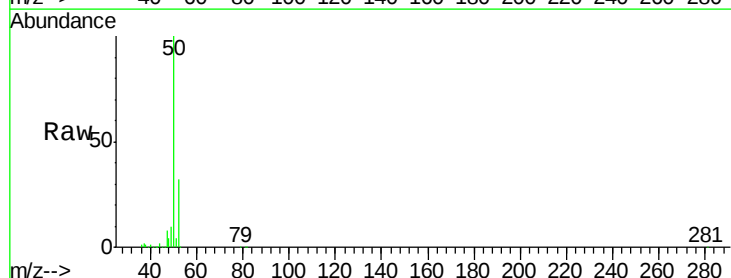
Acq: 17 Aug 2020 14:52

Tgt Ion: 50 Resp: 158278

Ion Ratio Lower Upper

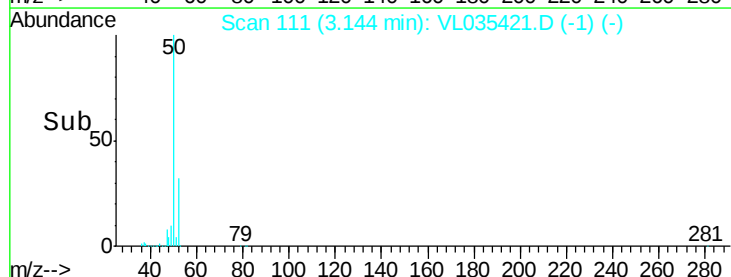
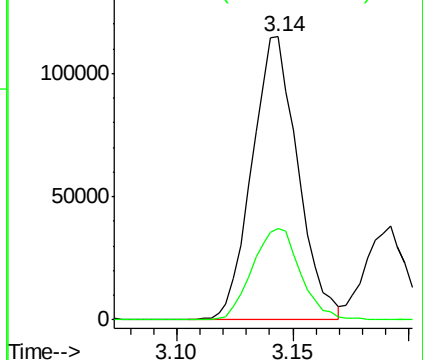
50 100

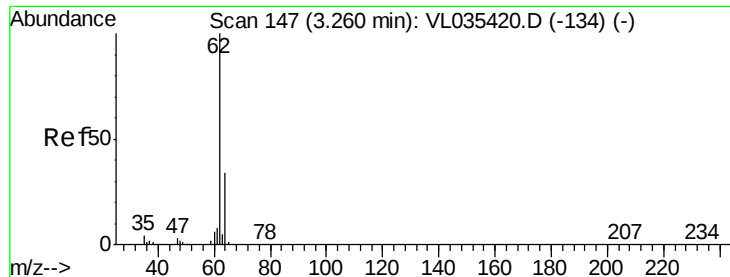
52 32.2 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.402 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 188004

Ion Ratio Lower Upper

62 100

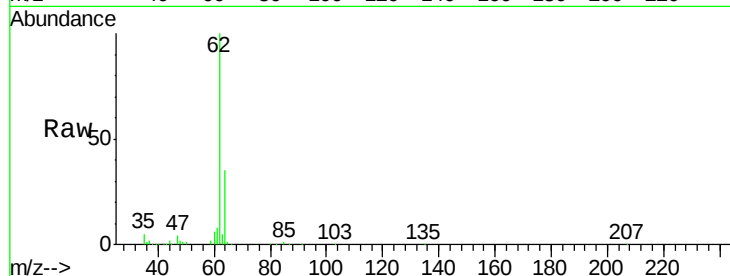
64 34.7 25.0 37.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

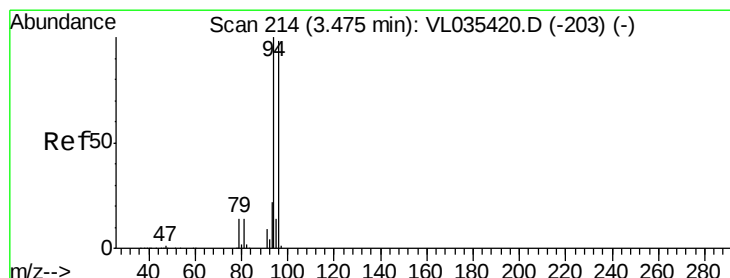
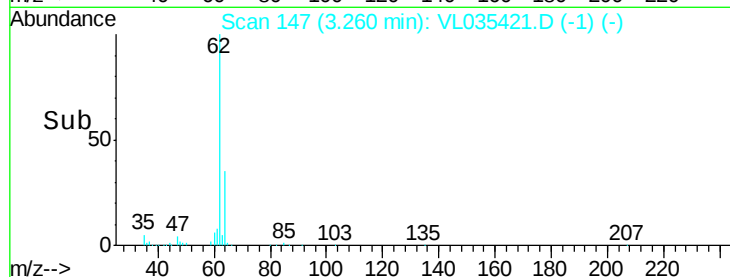
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 3.863 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL035421.D

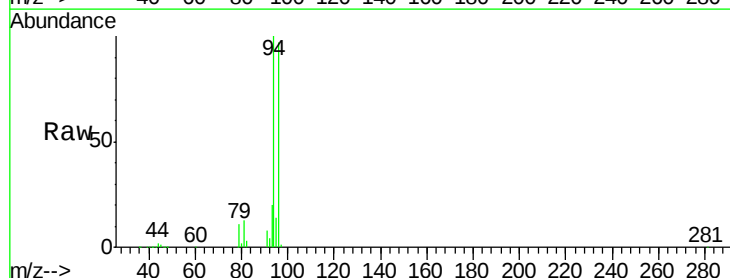
Acq: 17 Aug 2020 14:52

Tgt Ion: 94 Resp: 165796

Ion Ratio Lower Upper

94 100

96 96.4 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

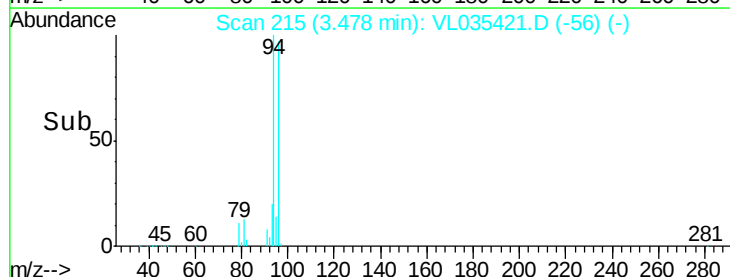
3.48

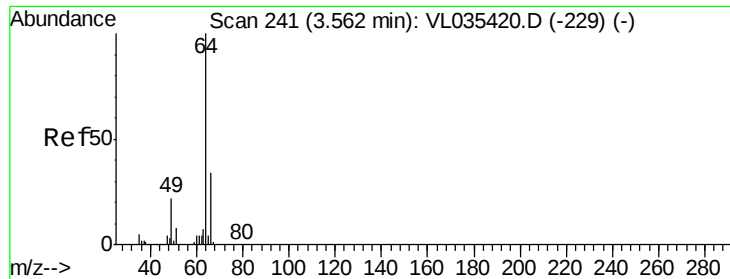
100000

50000

0

Time-->





#7

Chloroethane

Concen: 2.662 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 69099

Ion Ratio Lower Upper

64 100

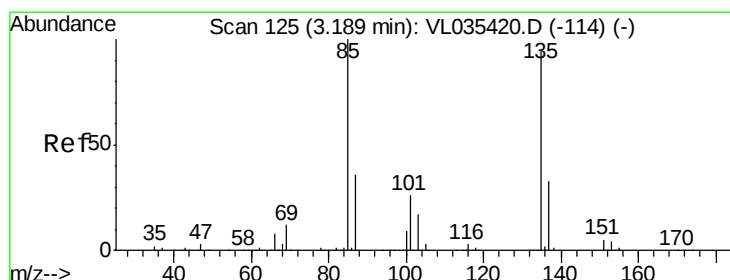
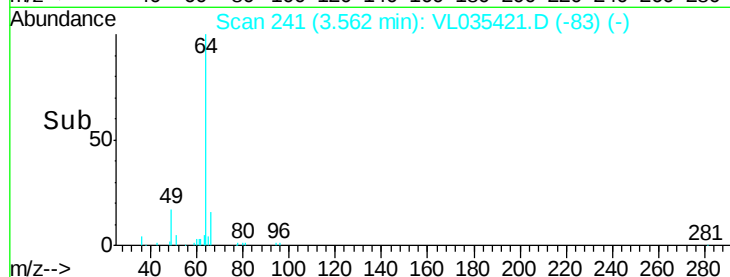
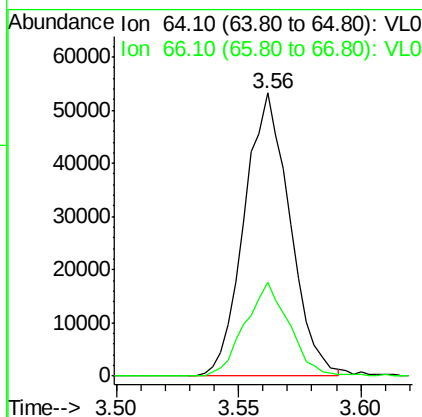
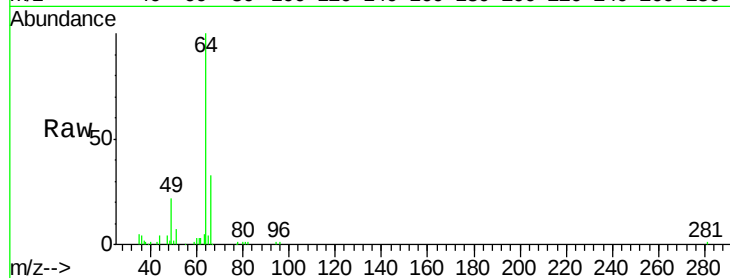
66 33.1 24.5 36.7

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 3.367 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL035421.D

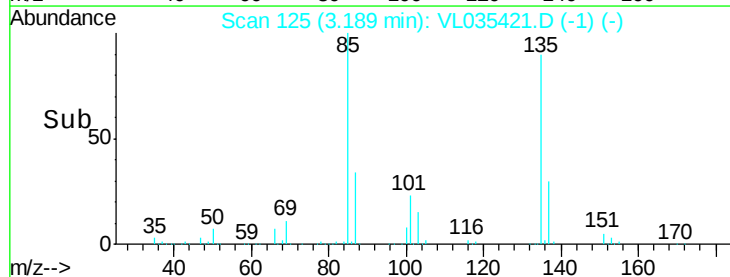
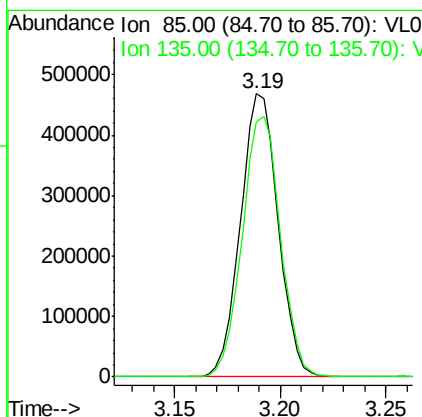
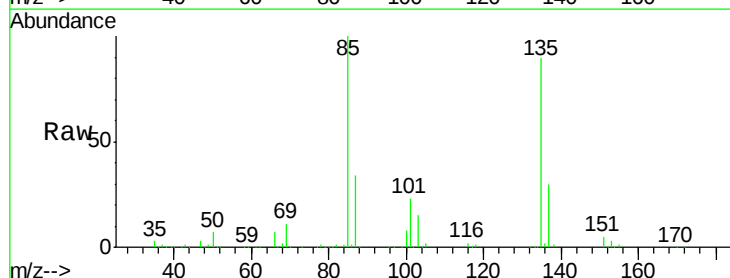
Acq: 17 Aug 2020 14:52

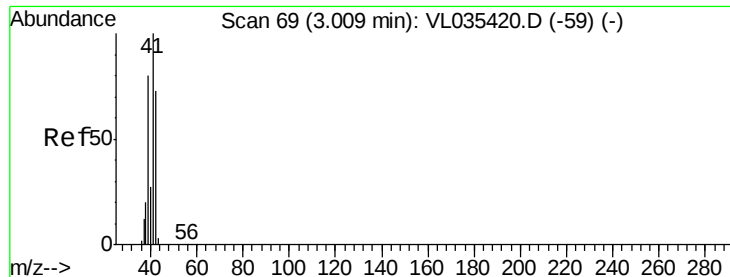
Tgt Ion: 85 Resp: 581578

Ion Ratio Lower Upper

85 100

135 93.7 48.6 72.8#





#9

Propene

Concen: 1.698 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tot Ion: 41 Resp: 117835

Ion Ratio Lower Upper

41 100

42 70.5 55.5 83.3

Instrument :

MSVOA_L

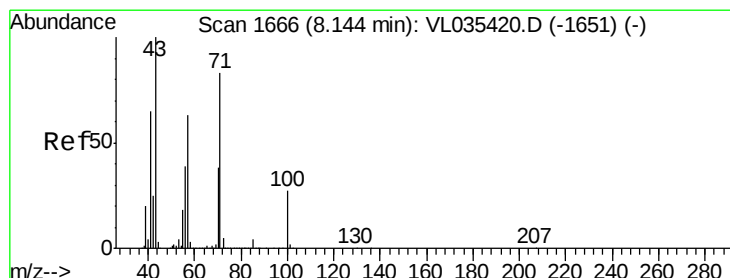
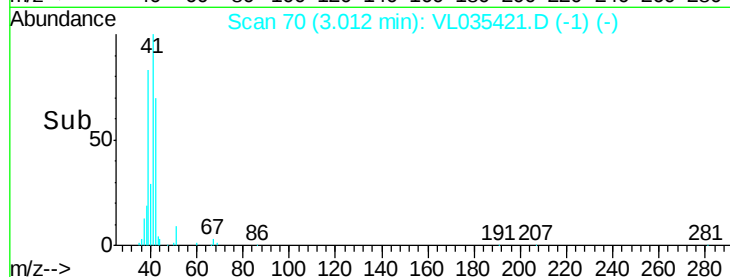
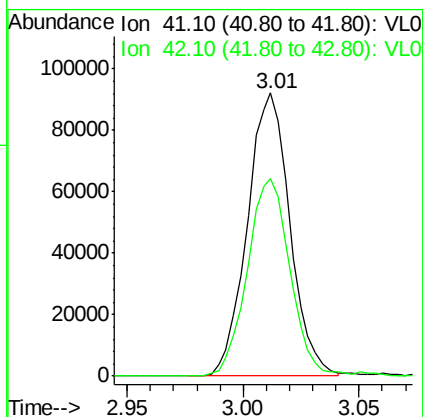
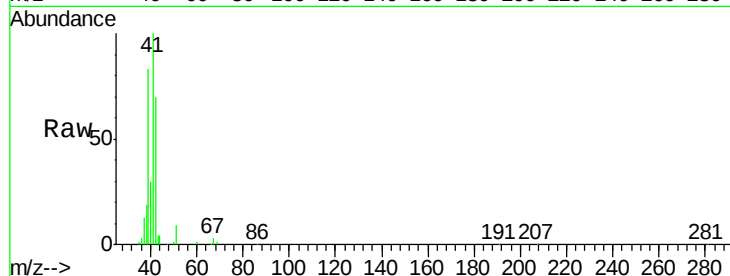
ClientSampleId :

VSTDIC002

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#10

Heptane

Concen: 1.884 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035421.D

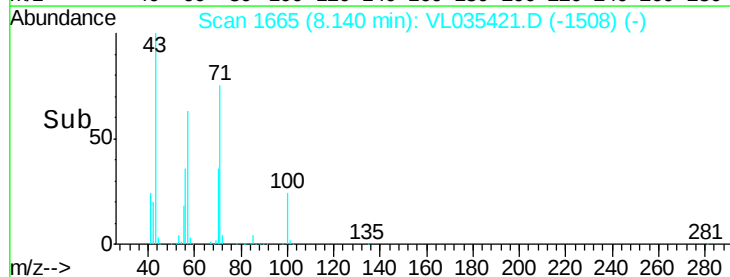
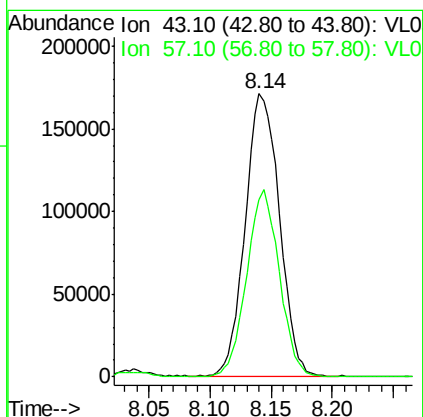
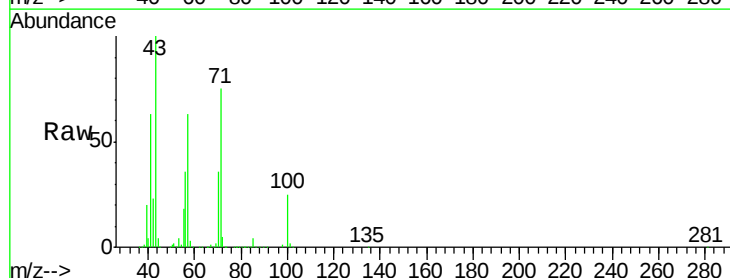
Acq: 17 Aug 2020 14:52

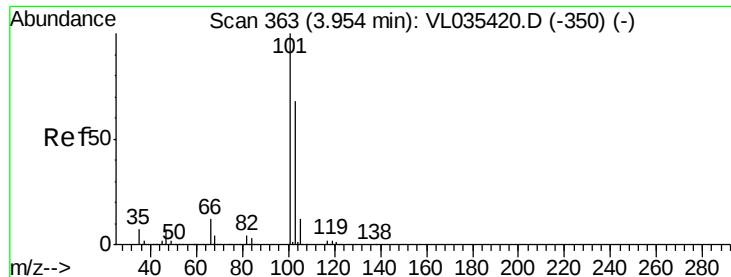
Tgt Ion: 43 Resp: 330403

Ion Ratio Lower Upper

43 100

57 63.5 39.8 59.6#





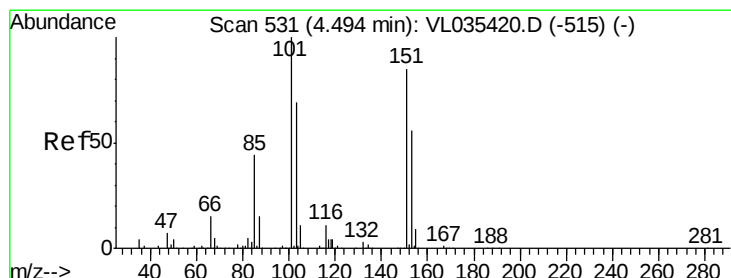
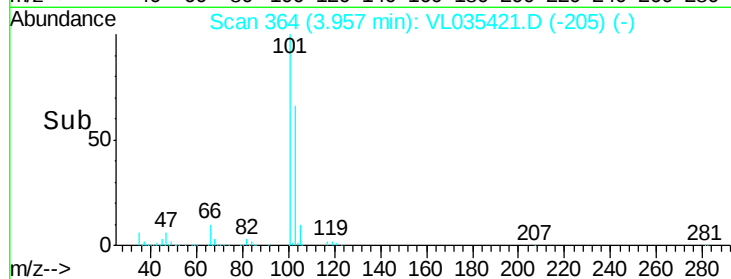
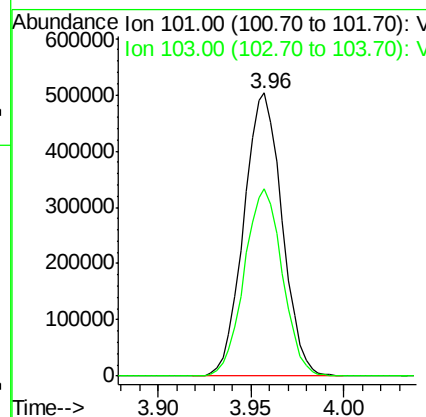
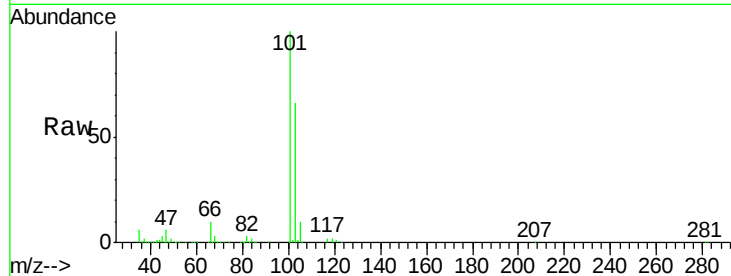
#11
 Trichlorofluoromethane
 Concen: 3.962 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		720645		
103	66.3	52.6	78.8		

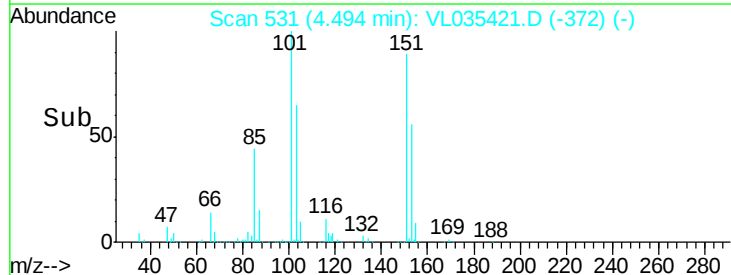
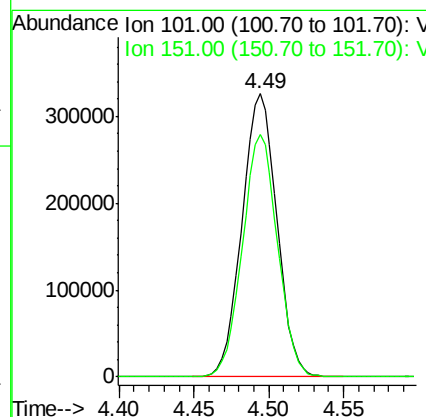
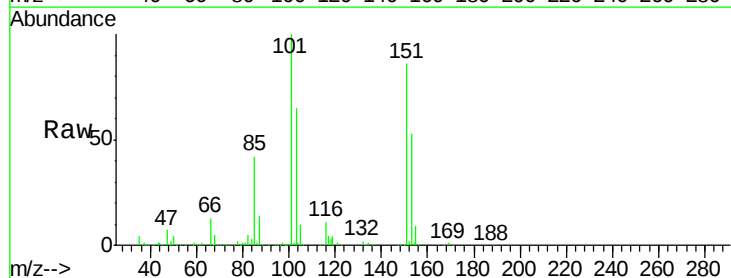
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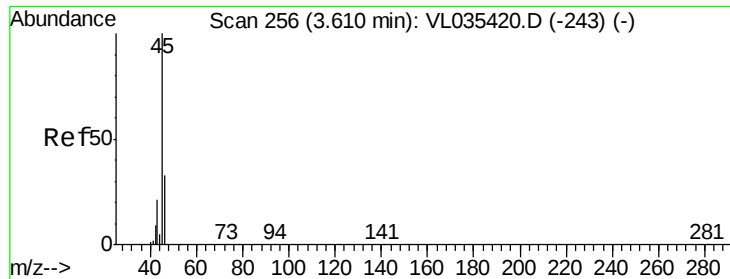
MMDadoda
 8/20/2020 11:05:37 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.475 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		529907		
151	86.1	53.6	80.4#		





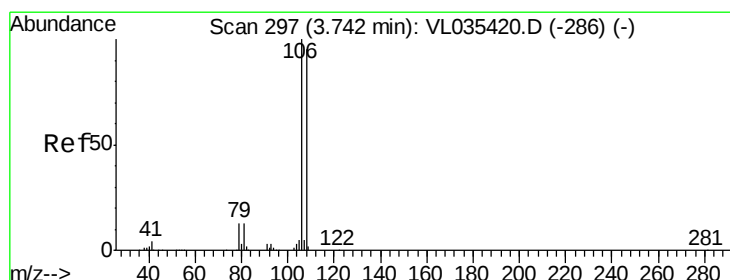
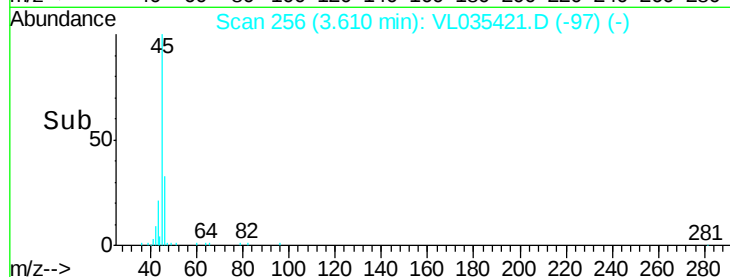
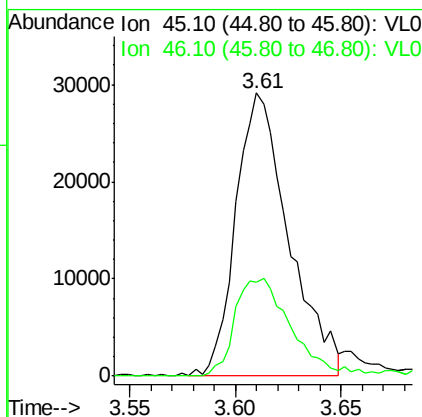
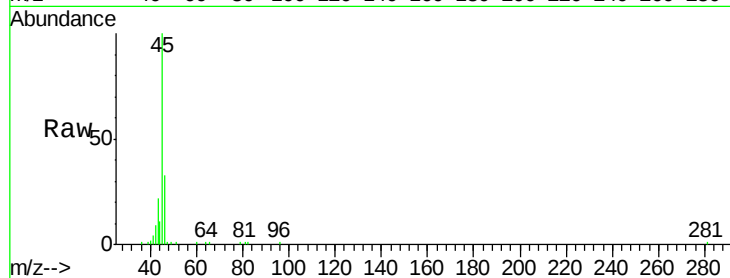
#13
Ethanol
Concen: 2.295 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	36.5		14.2	56.6	

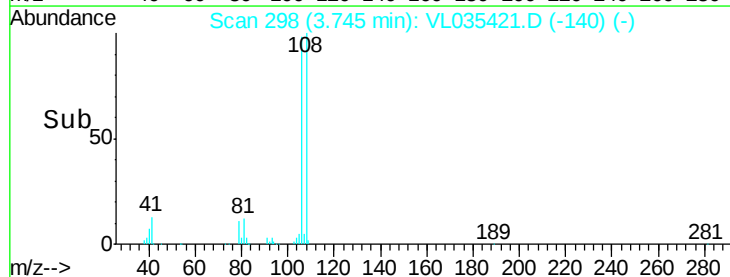
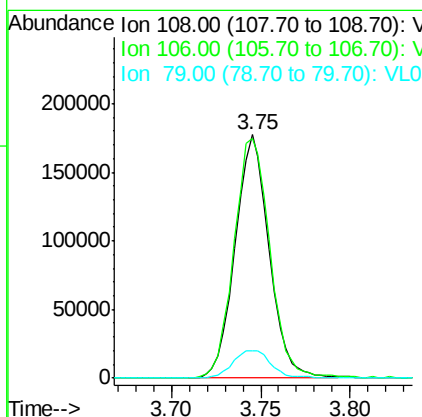
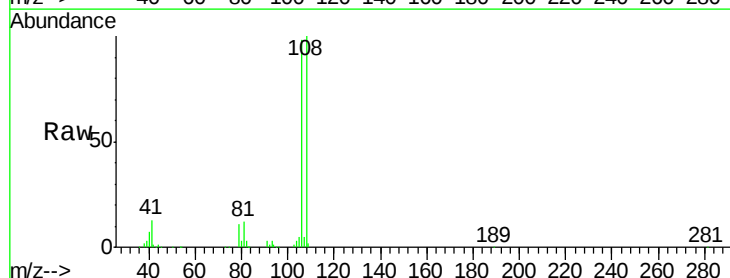
Manual Integrations
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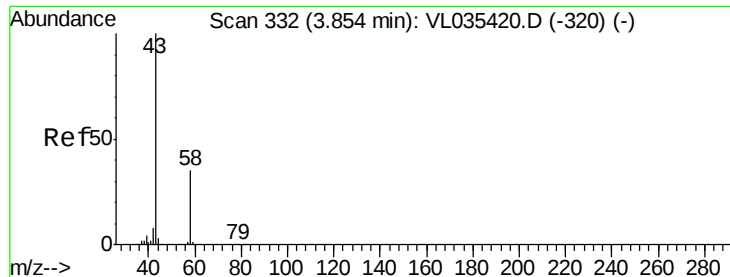
MMDadoda
8/20/2020 11:05:37 AM



#14
Bromoethene
Concen: 4.540 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	104.7			86.7	130.1	
79	13.0			16.8	25.2	





#15

Acetone

Concen: 1.927 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 289426

Ion Ratio Lower Upper

43 100

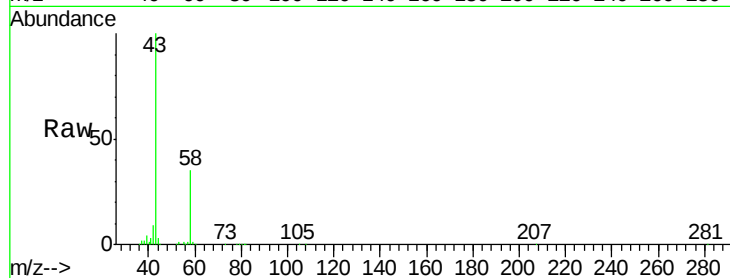
58 39.0 21.0 31.6#

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

200000

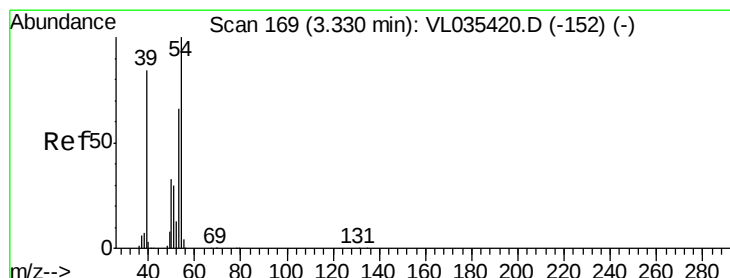
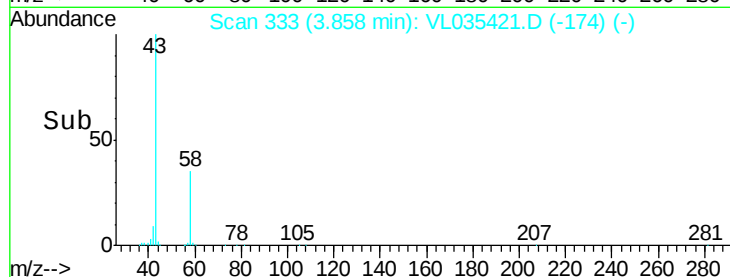
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.708 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL035421.D

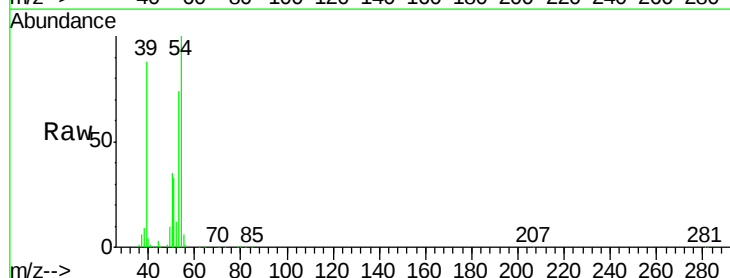
Acq: 17 Aug 2020 14:52

Tgt Ion: 39 Resp: 117470

Ion Ratio Lower Upper

39 100

54 108.0 64.4 96.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

100000

80000

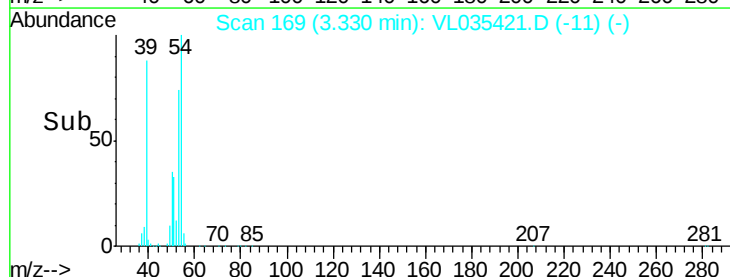
60000

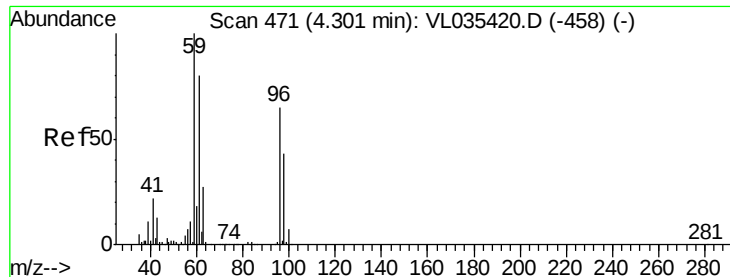
40000

20000

0

Time-->





#17

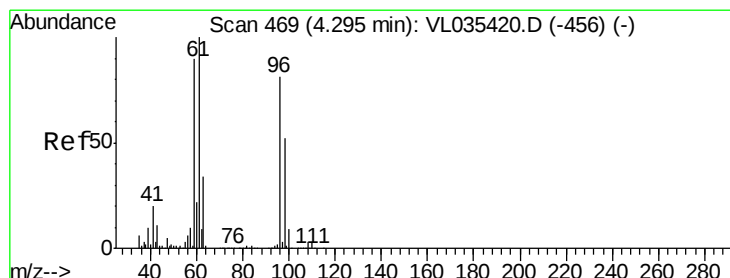
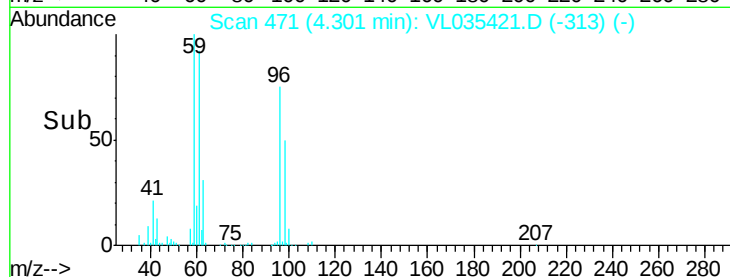
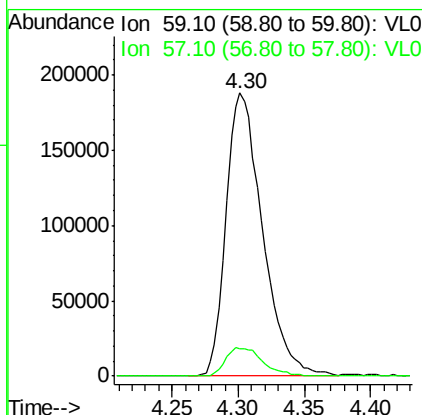
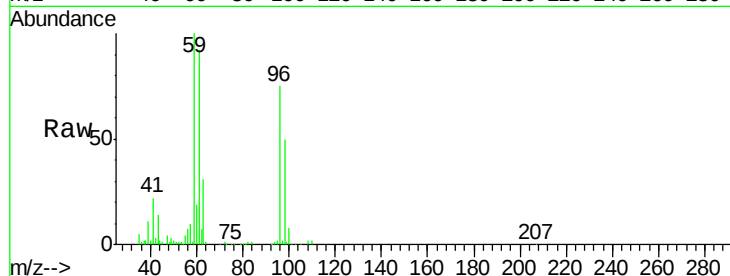
tert-Butyl alcohol
Concen: 2.523 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
59	100	359584		
57	10.3		8.9	13.3

Manual Integrations
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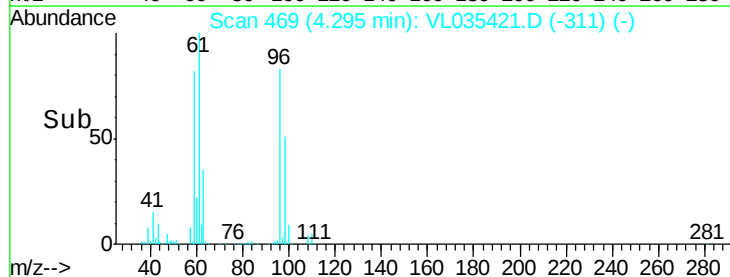
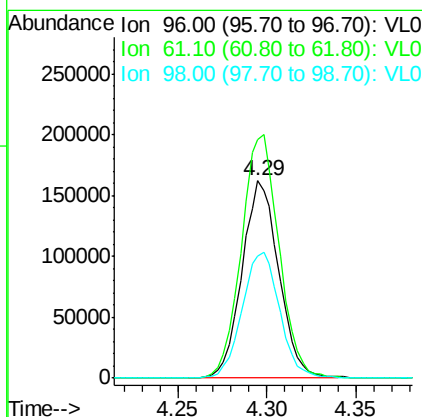
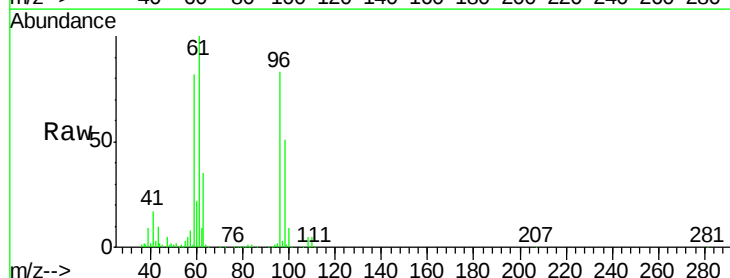
MMDadoda
8/20/2020 11:05:37 AM

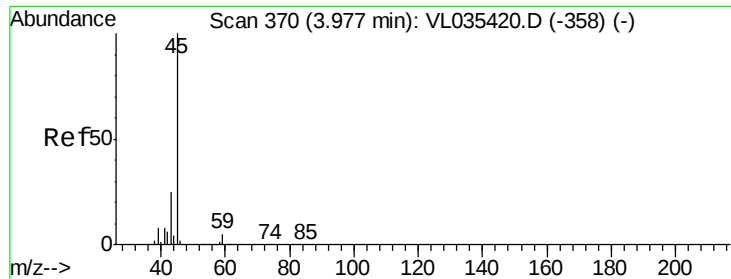


#18

1,1-Dichloroethene
Concen: 4.397 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	233959		
61	120.8		161.8	242.6#
98	61.8		49.3	73.9





#19

Isopropyl Alcohol

Concen: 1.815 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 192227

Ion Ratio Lower Upper

45 100

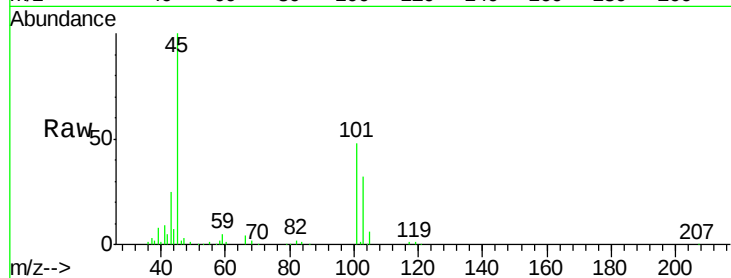
58 2.7 1.0 1.6#

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

3.98

120000

100000

80000

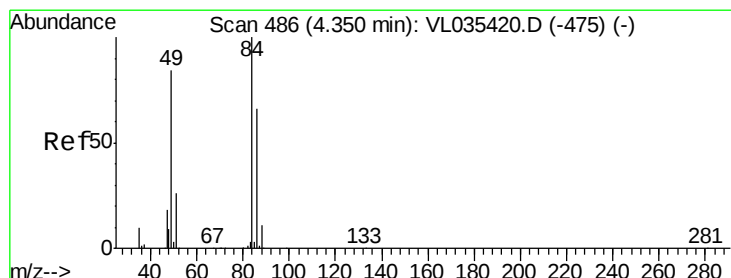
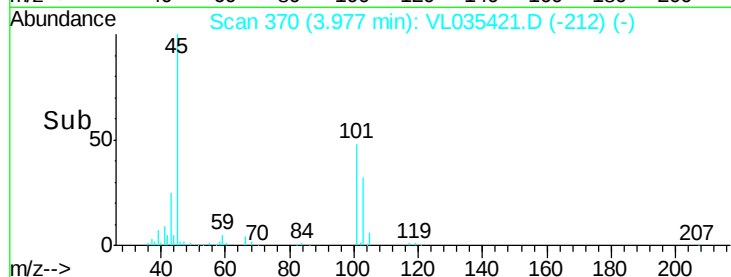
60000

40000

20000

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 4.117 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 84 Resp: 229330

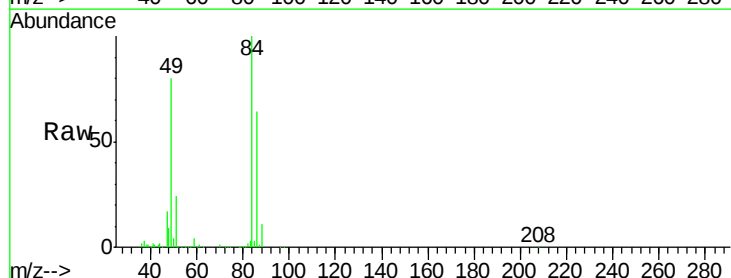
Ion Ratio Lower Upper

84 100

49 78.8 118.6 177.8#

51 23.6 36.4 54.6#

86 64.5 50.2 75.4



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

250000

200000

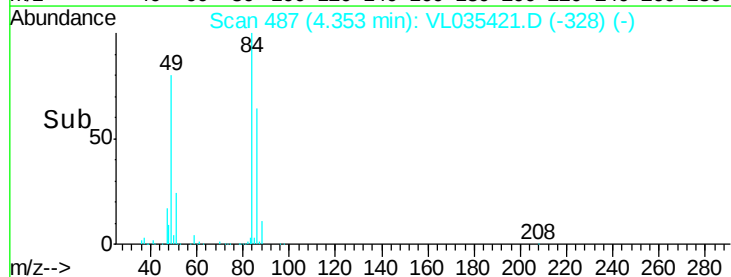
150000

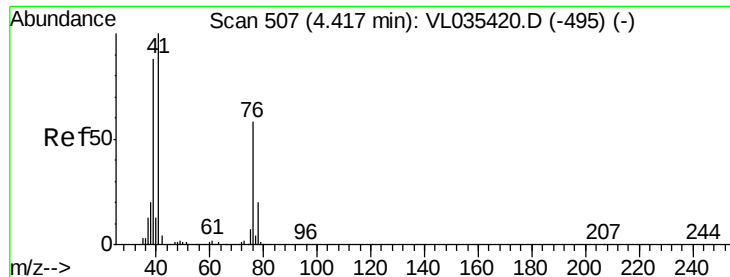
100000

50000

0

Time--> 4.30 4.35 4.40





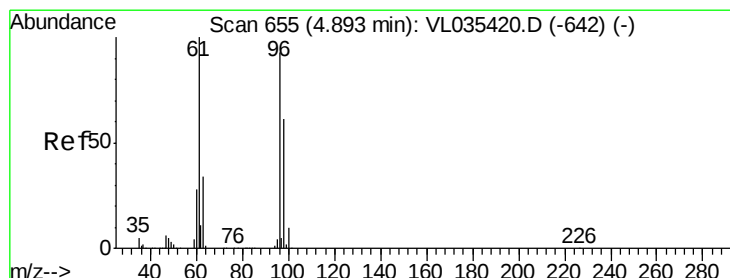
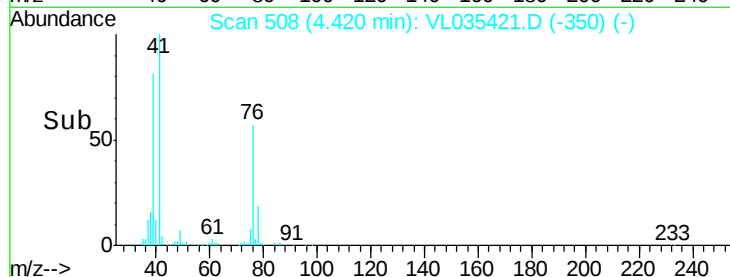
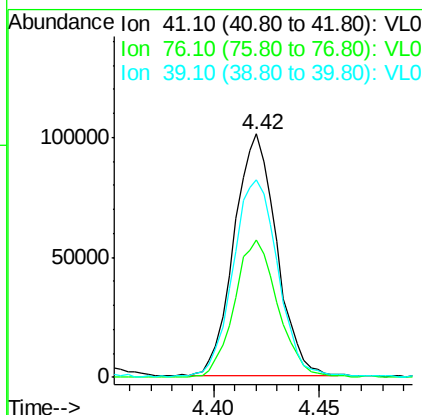
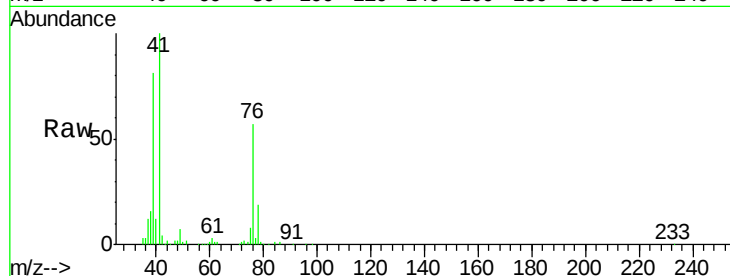
#21
Allvl Chloride
Concen: 1.602 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.7	22.8	34.2#
39	88.3	66.2	99.2

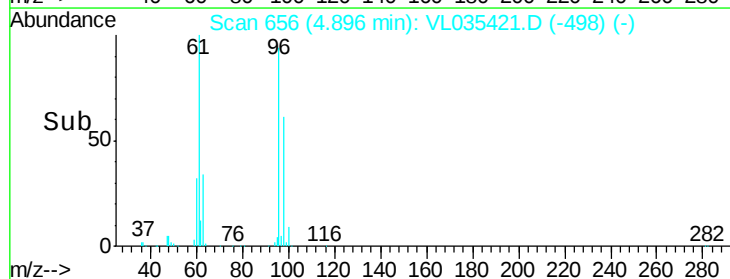
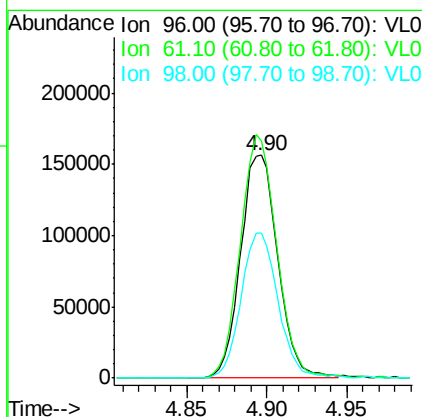
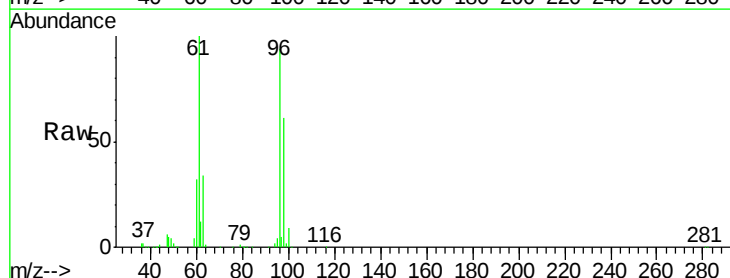
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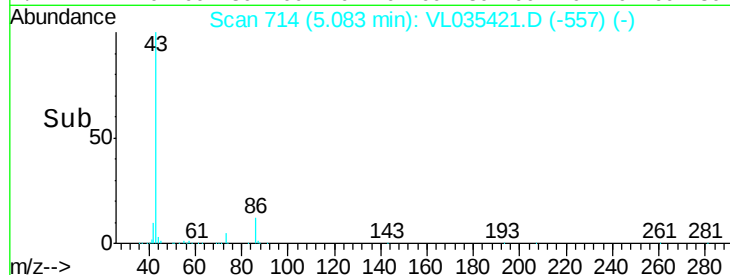
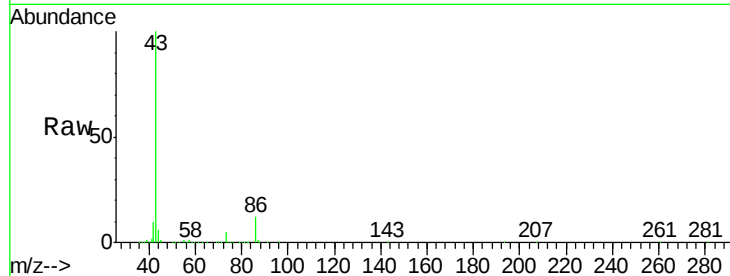
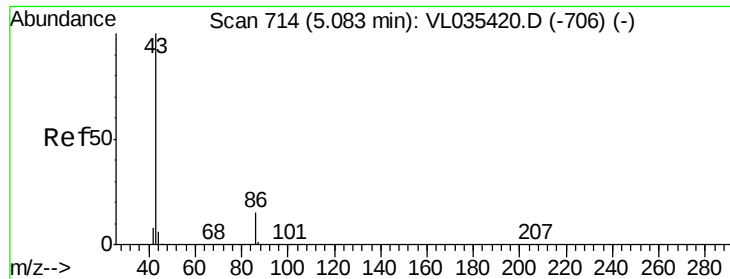
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#22
trans-1,2-Dichloroethene
Concen: 4.673 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	106.7	142.2	213.2#
98	64.9	51.8	77.8





#23

Vinyl Acetate

Concen: 1.844 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		405945		
86	11.8	6.5	9.7#		
42	9.7	8.3	12.5		
44	5.4	4.0	6.0		

Instrument :

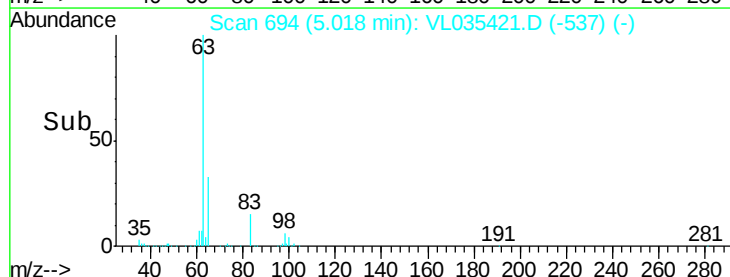
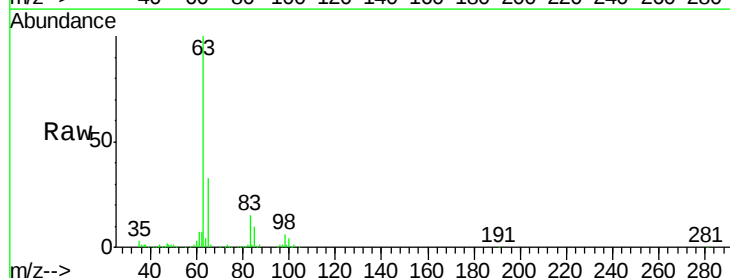
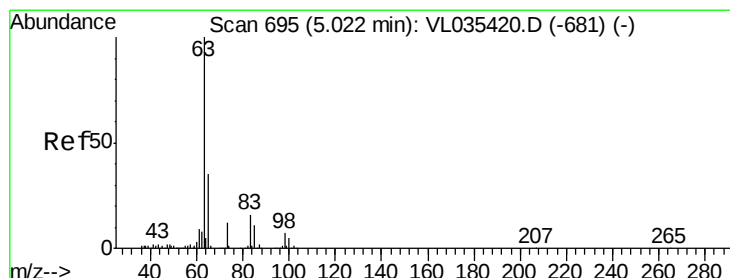
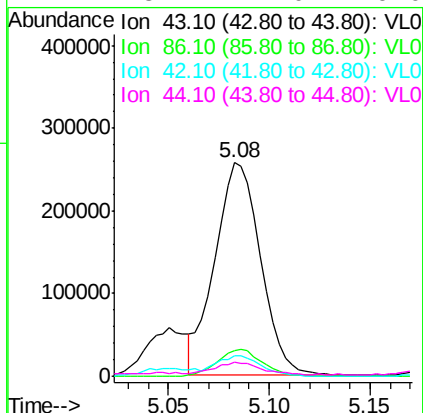
MSVOA_L

ClientSampleId :

VSTDIC002

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#24

1,1-Dichloroethane

Concen: 2.616 ppbv

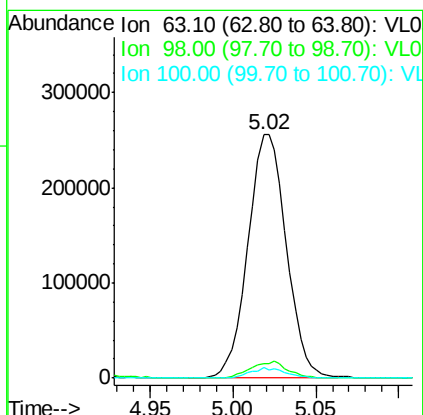
RT: 5.02 min Scan# 694

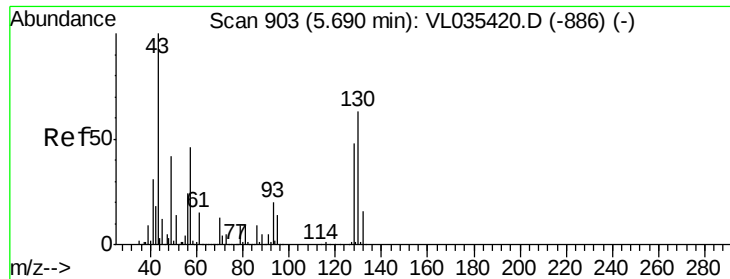
Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		410482		
98	6.1	2.1	6.5		
100	4.2	1.3	3.8#		





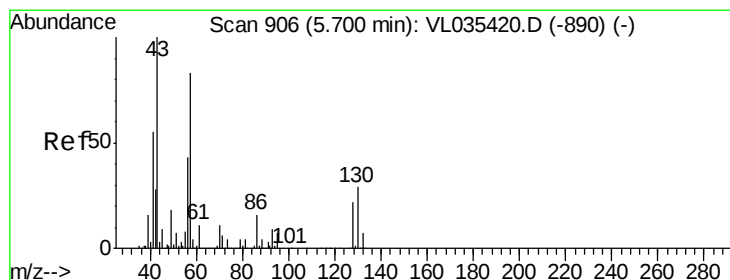
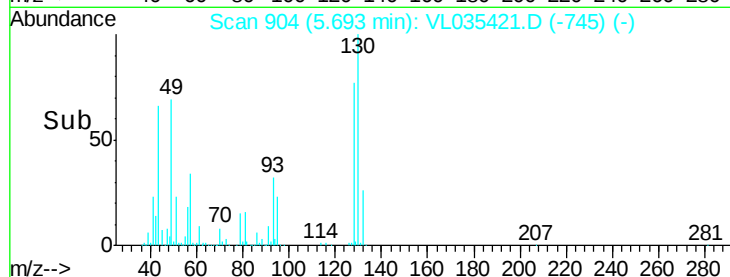
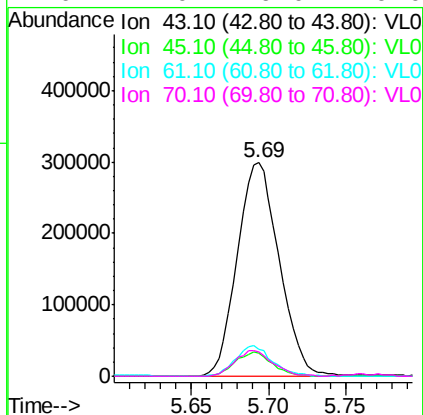
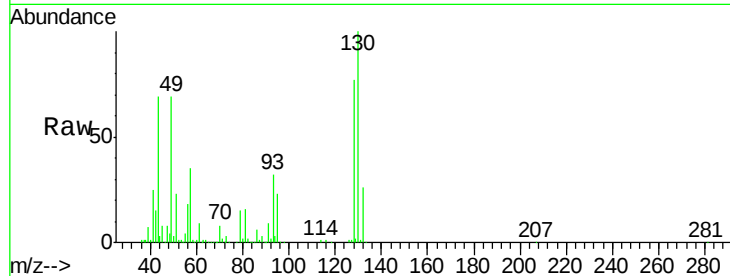
#25
Ethyl Acetate
Concen: 1.871 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.4	8.3	12.5		
61	12.6	7.6	11.4#		
70	11.0	6.0	9.0#		

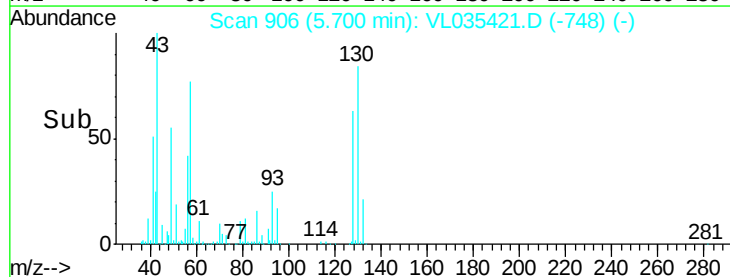
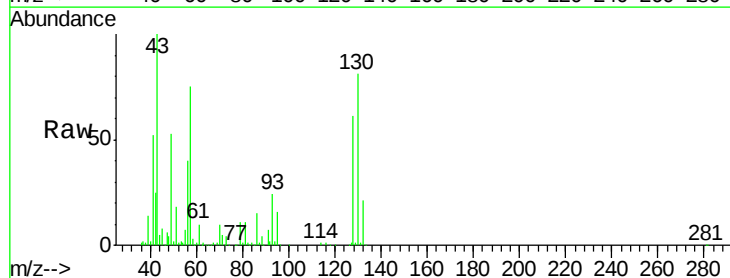
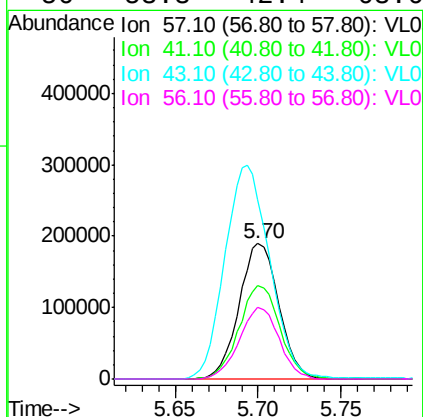
Manual Integrations
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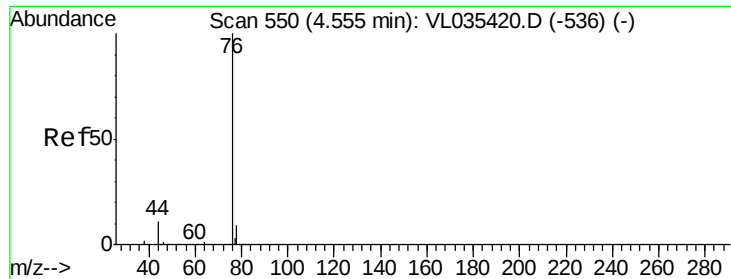
MMDadoda
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#26
Hexane
Concen: 2.414 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	71.7	75.5	113.3#		
43	179.2	181.7	272.5#		
56	53.3	42.4	63.6		





#27

Carbon Disulfide

Concen: 3.583 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

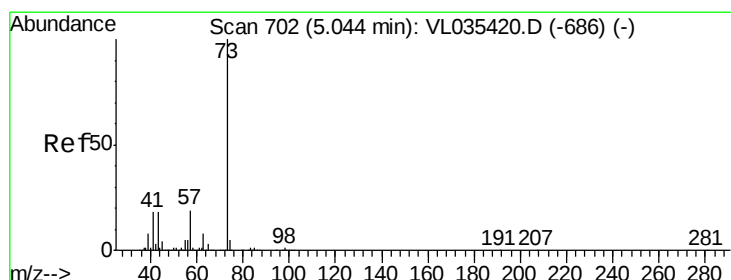
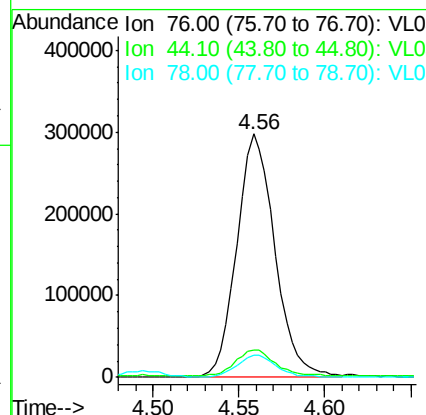
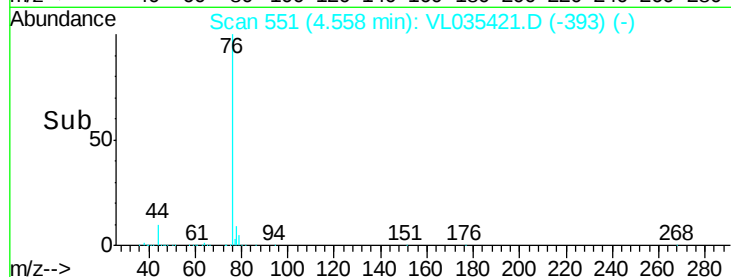
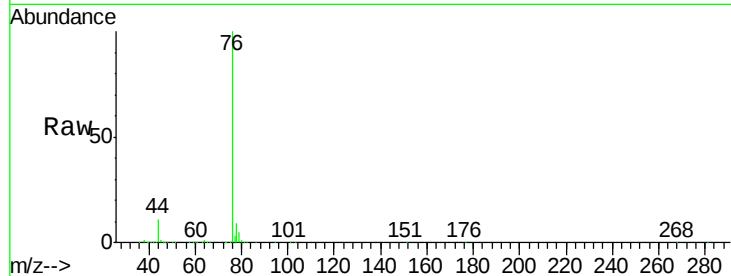
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	455800
Ion Ratio	Lower	Upper	
76	100		
44	12.3	16.8	25.2#
78	9.7	7.3	10.9

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 2.846 ppbv

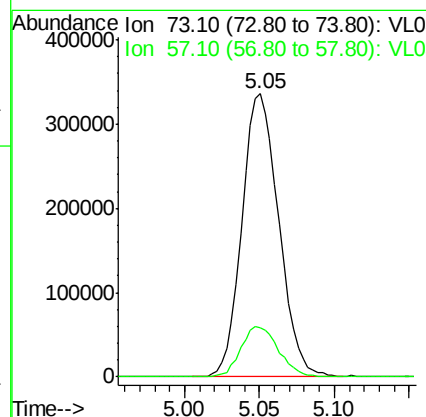
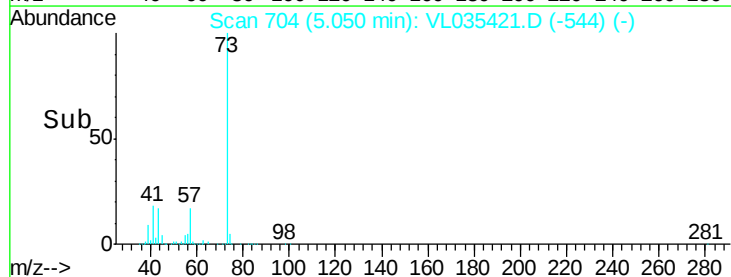
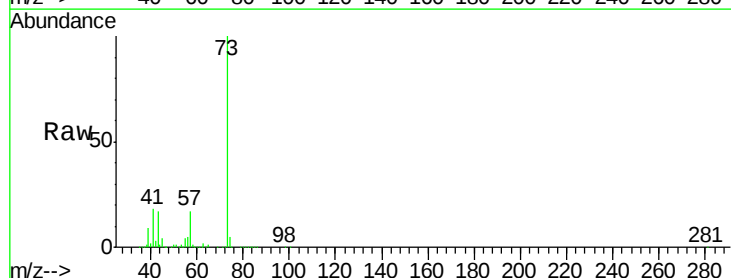
RT: 5.05 min Scan# 704

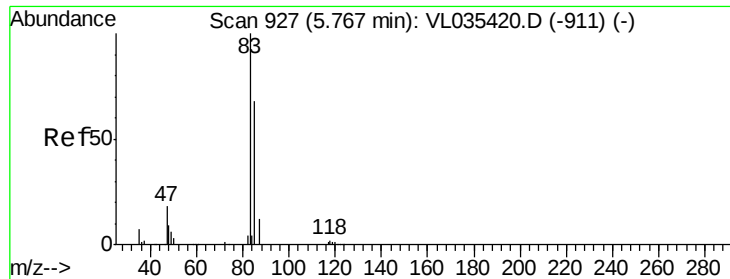
Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion:	73	Resp:	573898
Ion Ratio	Lower	Upper	
73	100		
57	18.3	18.3	27.5#





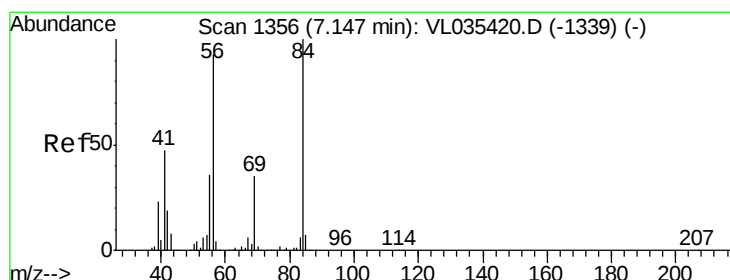
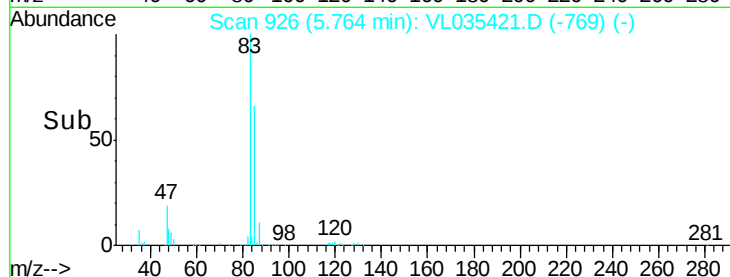
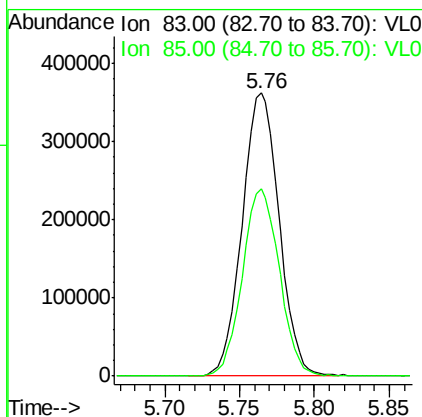
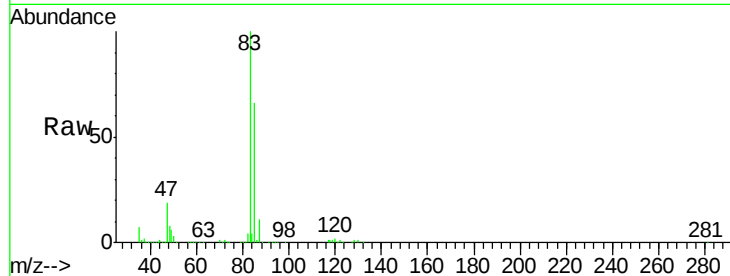
#29
Chloroform
Concen: 3.104 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 83 Resp: 622879
Ion Ratio Lower Upper
83 100
85 66.3 52.7 79.1

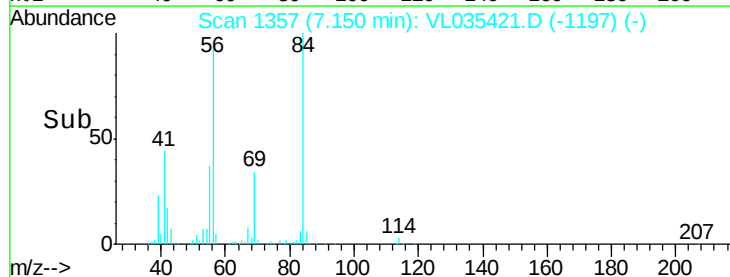
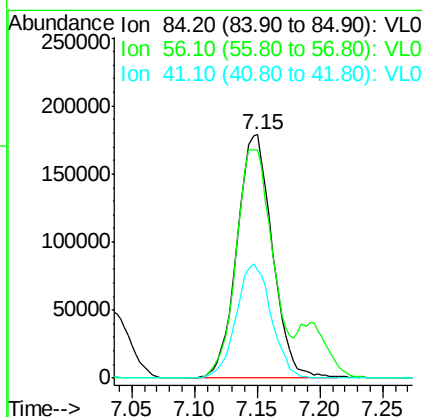
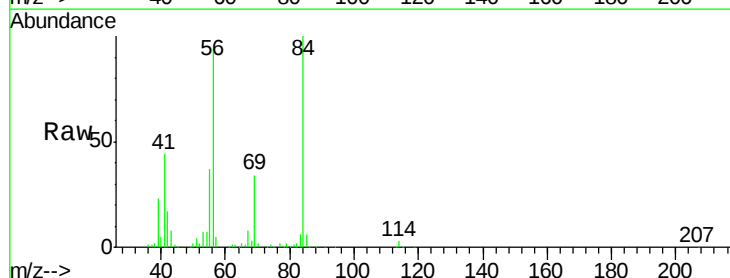
Manual Integrations
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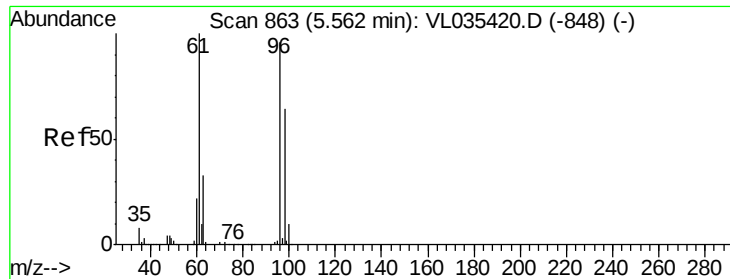
MMDadoda
8/20/2020 11:05:37 AM



#30
Cyclohexane
Concen: 3.379 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 84 Resp: 350518
Ion Ratio Lower Upper
84 100
56 116.5 114.9 172.3
41 46.8 72.3 108.5#





#31

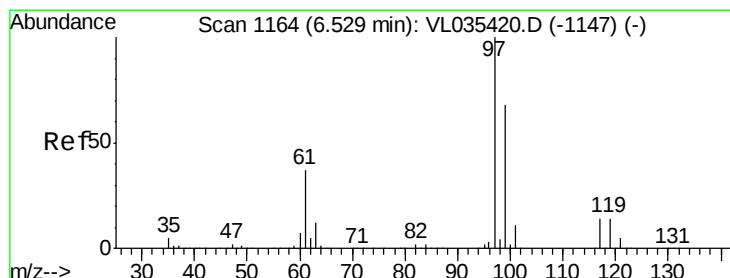
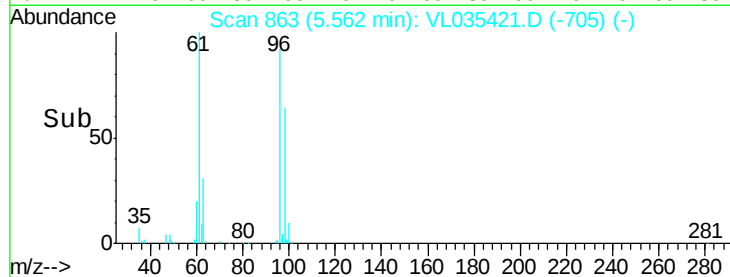
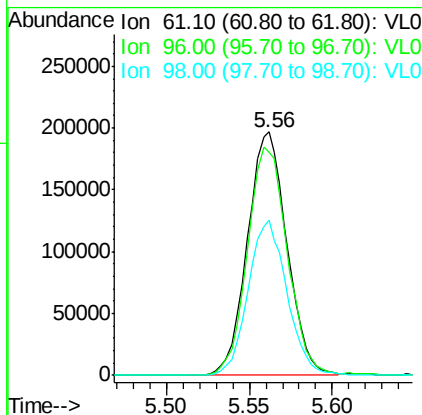
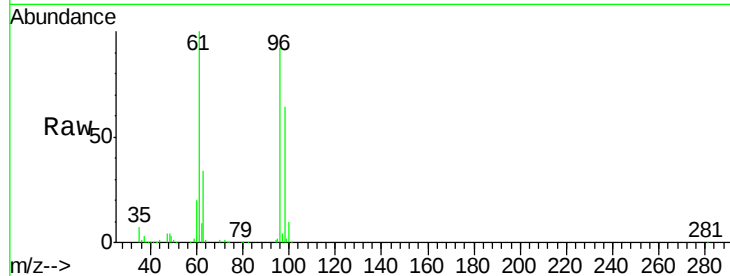
cis-1,2-Dichloroethene
Concen: 2.447 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp Lower	Upper
61	100		
96	91.8	51.4	77.0#
98	63.6	32.9	49.3#

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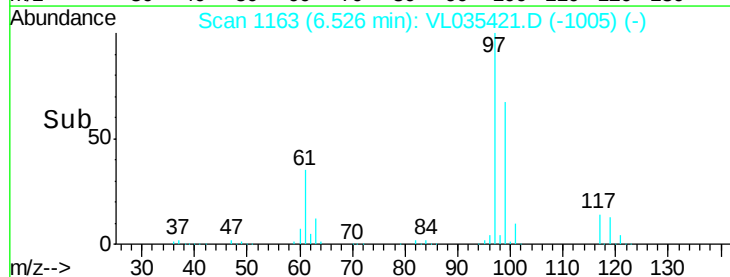
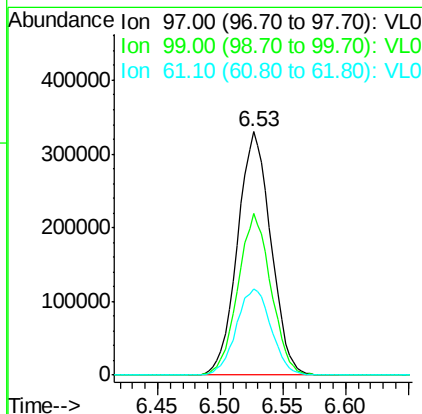
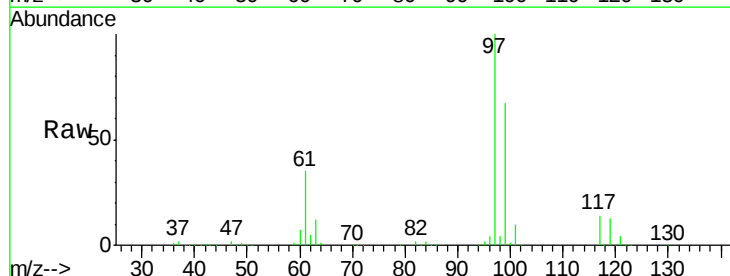
MMDadoda
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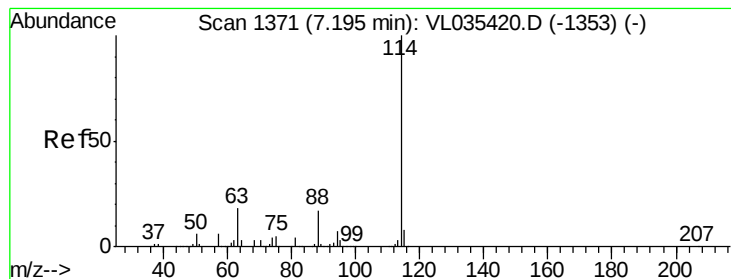


#32

1,1,1-Trichloroethane
Concen: 3.056 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
99	65.7	51.4	77.0
61	36.9	41.0	61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:114 Resp: 5162308

Ion Ratio Lower Upper

114 100

63 17.5 23.1 34.7#

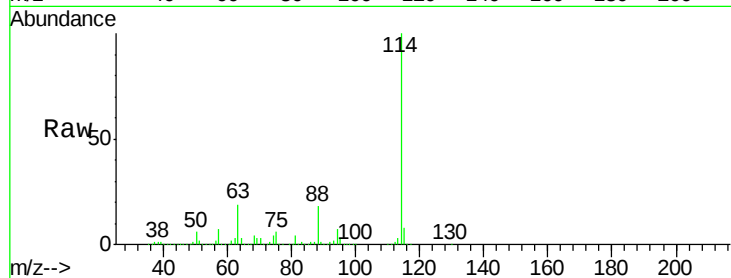
88 16.4 15.9 23.9

Manual Integrations

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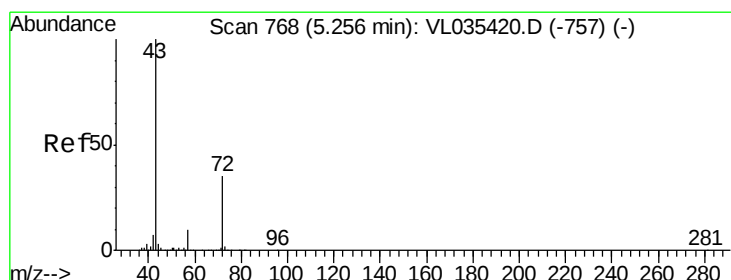
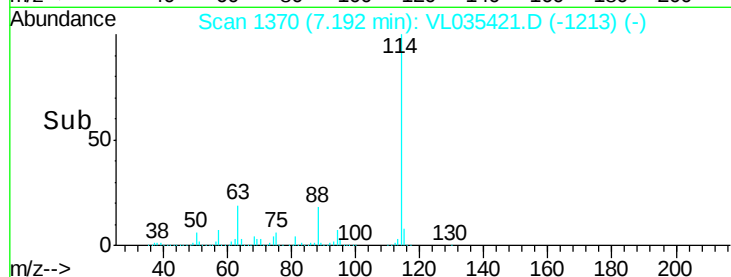
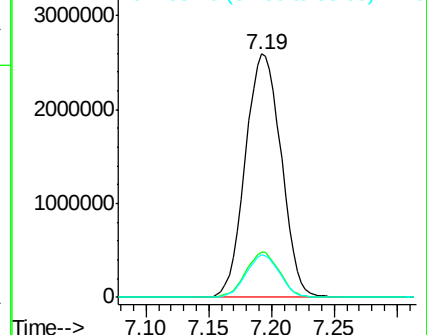
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.934 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL035421.D

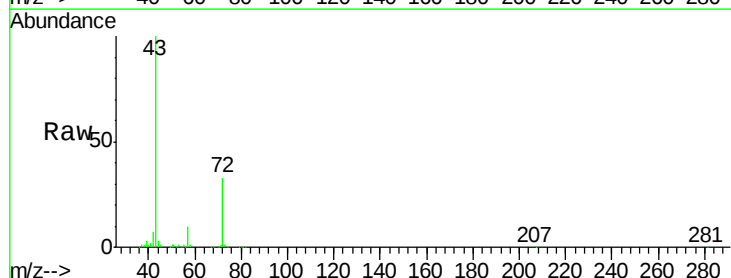
Acq: 17 Aug 2020 14:52

Tgt Ion: 43 Resp: 371856

Ion Ratio Lower Upper

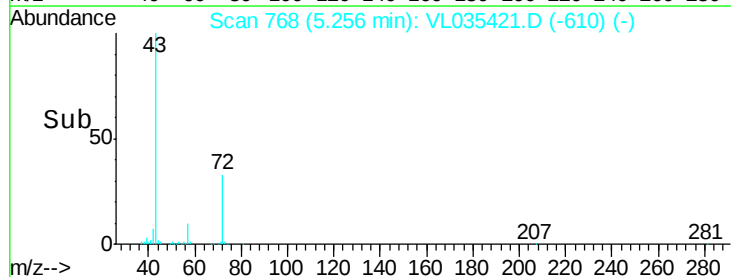
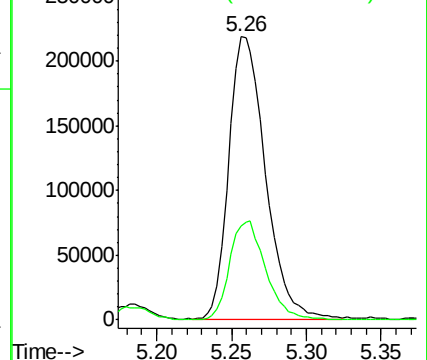
43 100

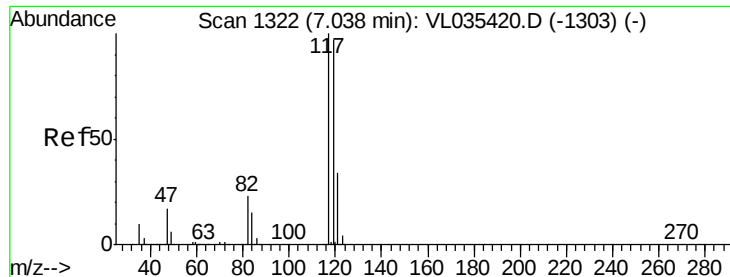
72 34.9 17.6 26.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.655 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

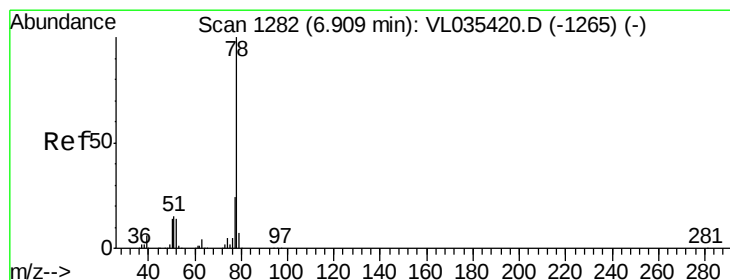
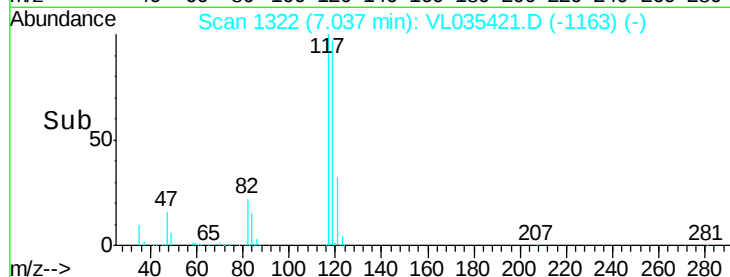
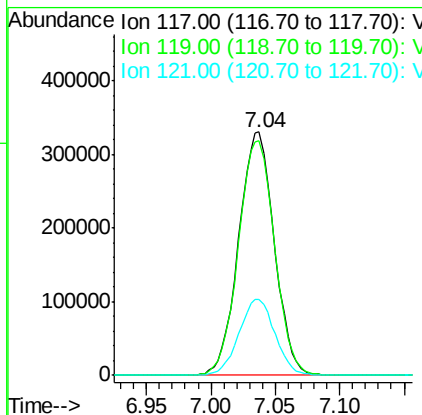
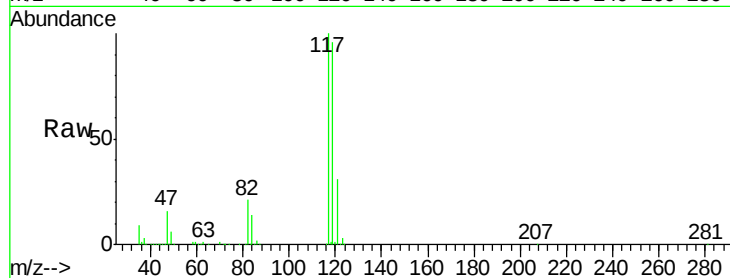
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	634588
Ion Ratio	Lower	Upper	
117	100		
119	96.3	76.1	114.1
121	31.4	25.5	38.3

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#36

Benzene

Concen: 1.591 ppbv

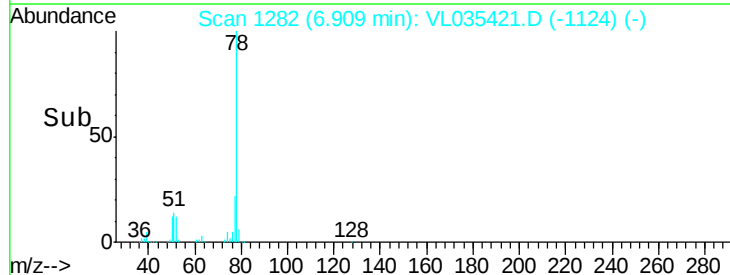
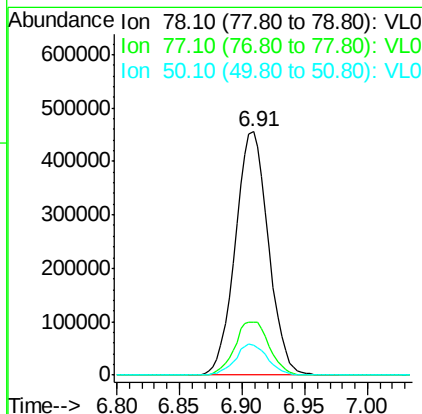
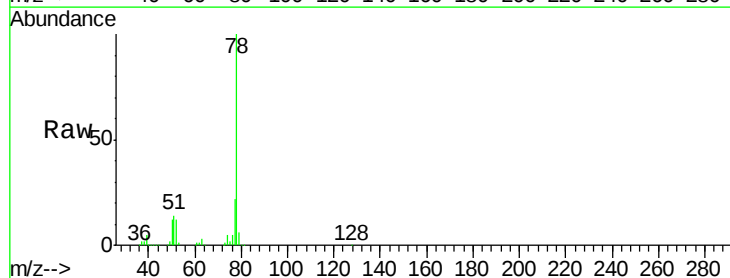
RT: 6.91 min Scan# 1282

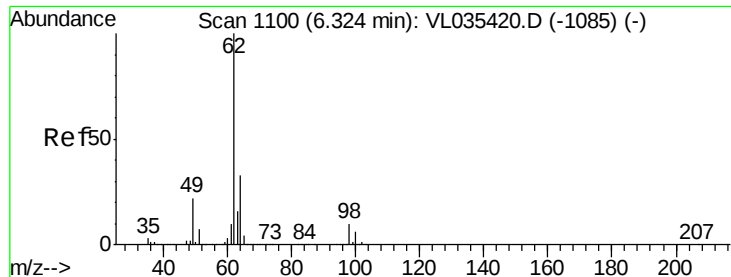
Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion:	78	Resp:	833512
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.6	29.4
50	12.1	16.3	24.5#





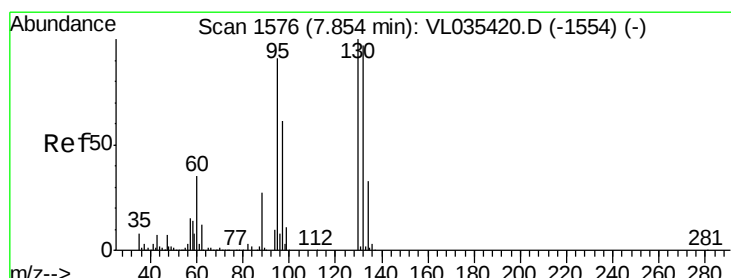
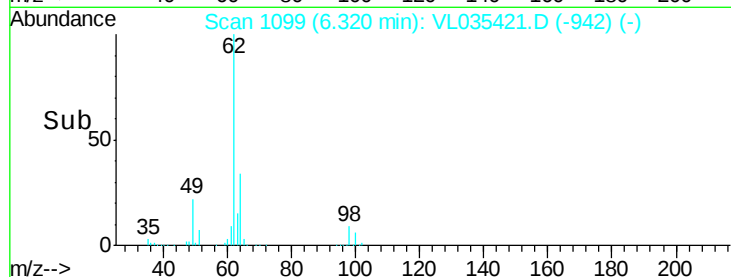
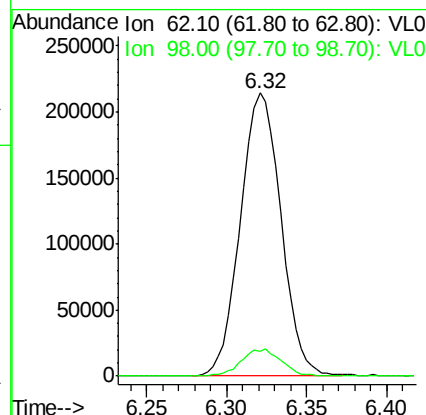
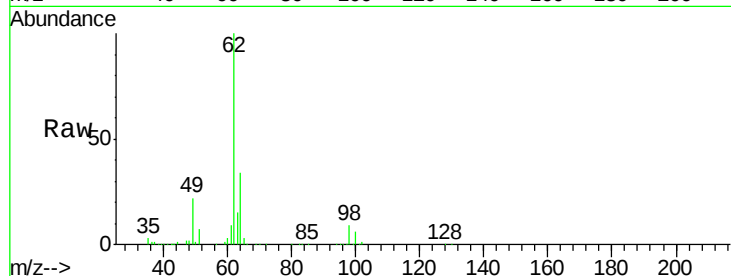
#37
 1,2-Dichloroethane
 Concen: 1.149 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	371353		
98	9.5	4.6	7.0#	

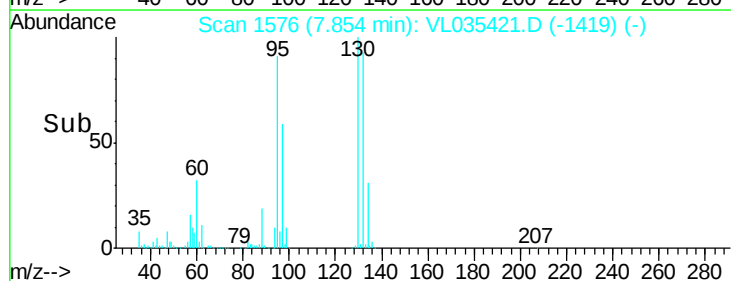
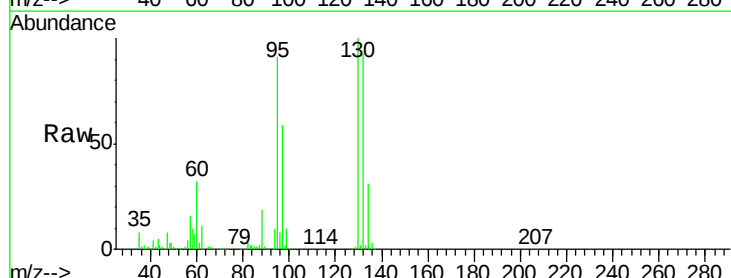
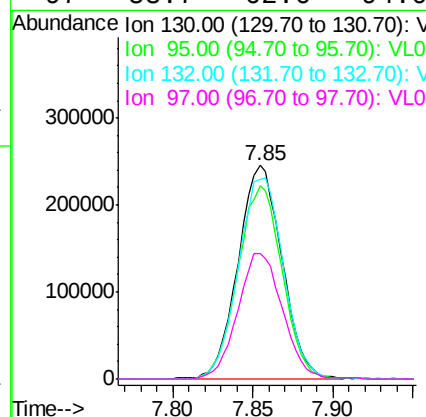
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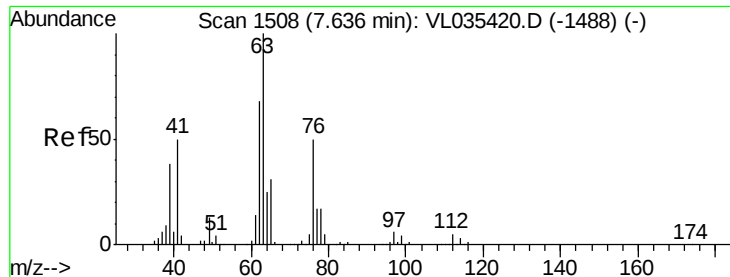
MMDadoda
 8/20/2020 11:05:37 AM



#38
 Trichloroethene
 Concen: 2.254 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	456624		
95	90.5	95.8	143.8#	
132	93.2	74.3	111.5	
97	58.7	62.6	94.0#	





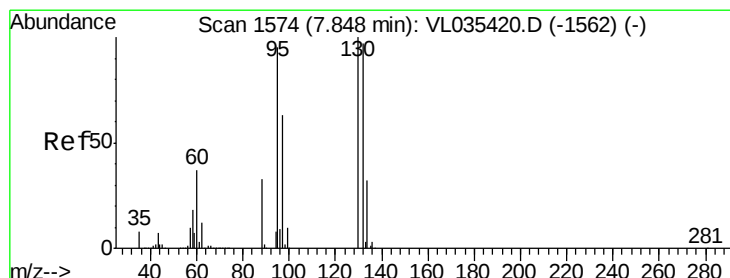
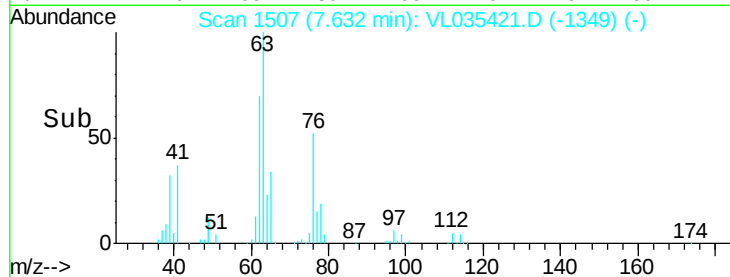
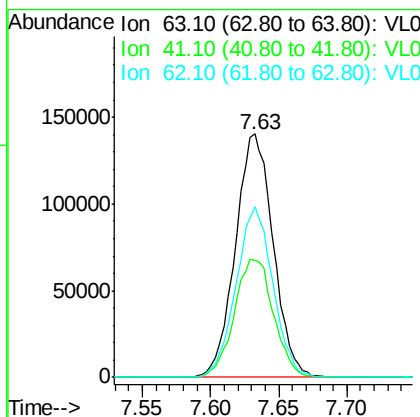
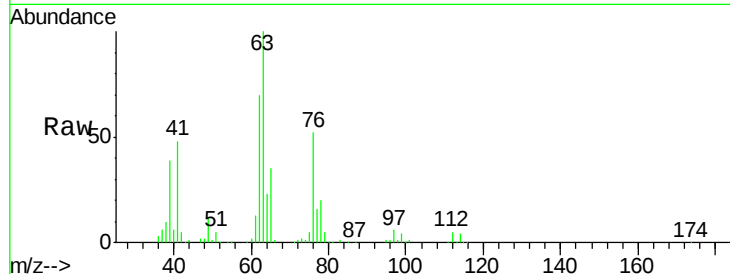
#39
 1,2-Dichloropropane
 Concen: 1.278 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
63	100	269854		
41	48.0		61.1	91.7#
62	70.2		55.3	82.9

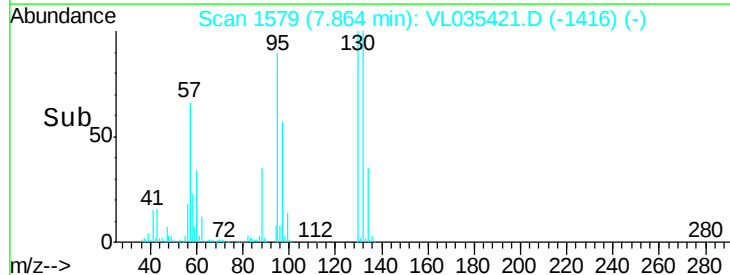
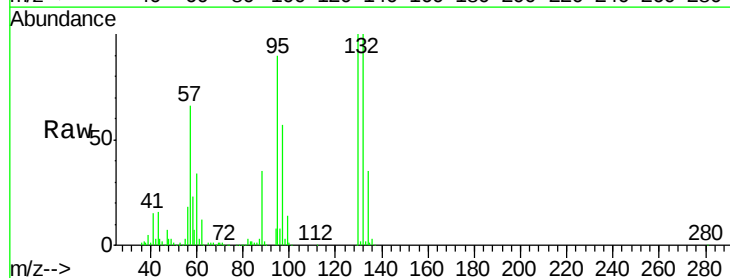
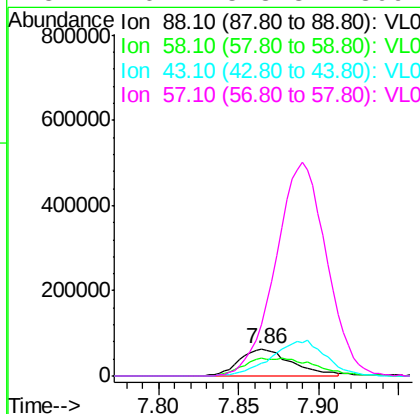
Manual Integrations
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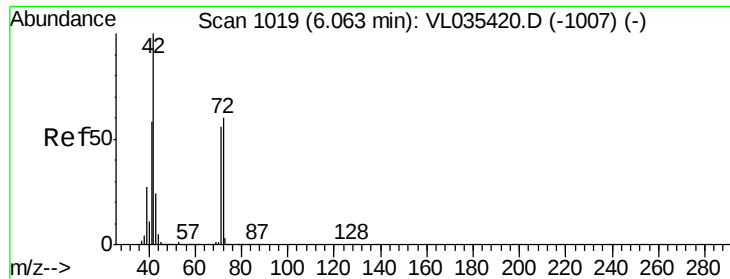
MMDadoda
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#40
 1,4-Dioxane
 Concen: 1.760 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	143781		
58	92.0		106.6	160.0#
43	138.0		209.7	314.5#
57	776.7		873.3	1309.9#





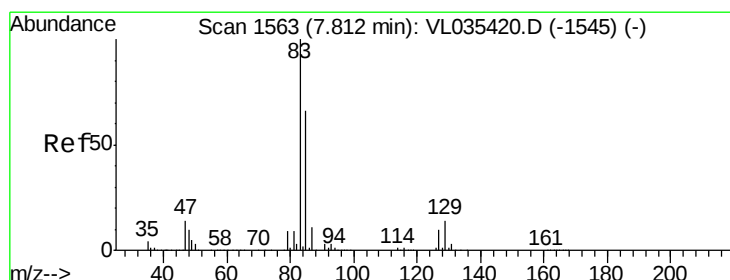
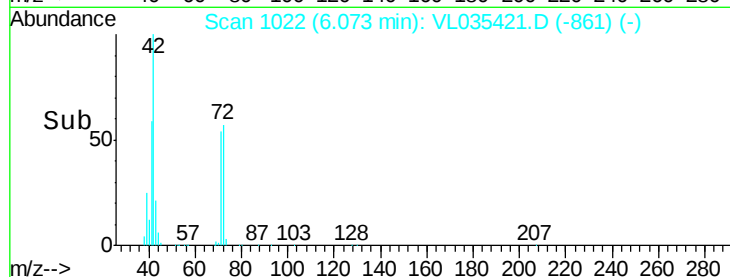
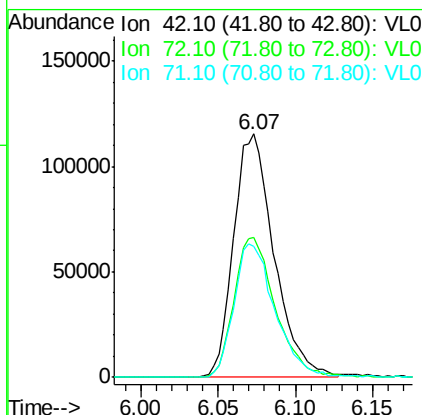
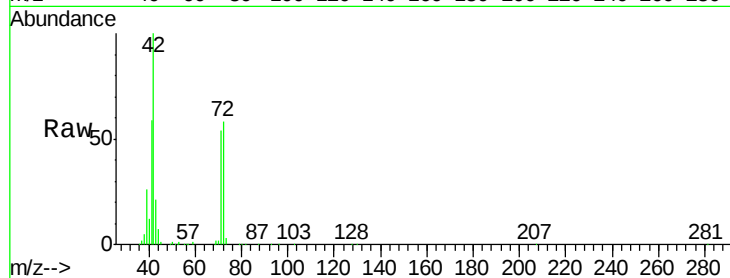
#41
Tetrahydrofuran
Concen: 0.935 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.2	29.4	44.2#
71	56.1	28.9	43.3#

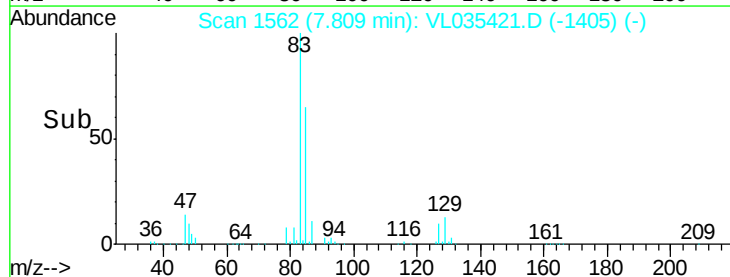
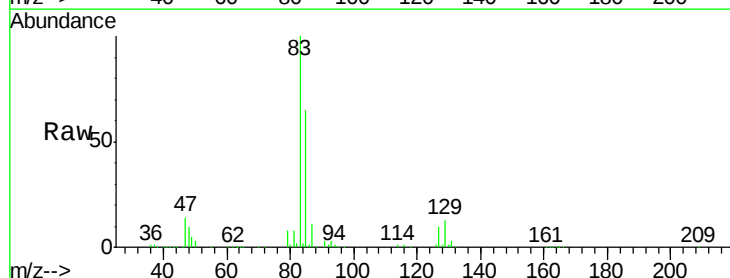
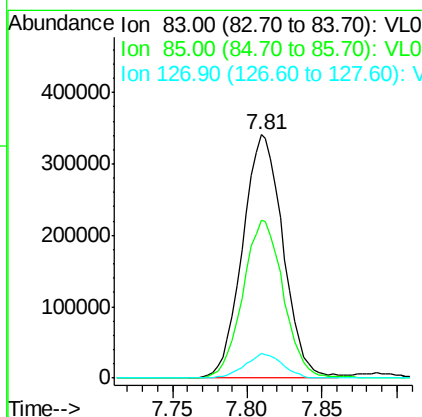
Manual Integrations
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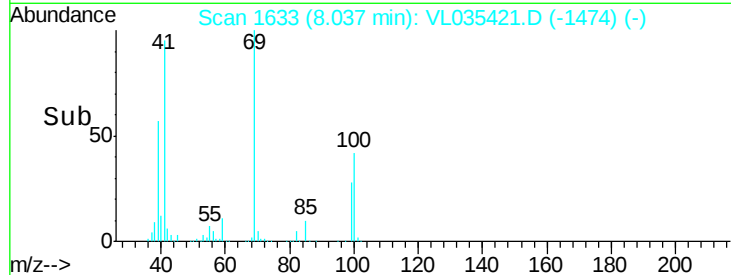
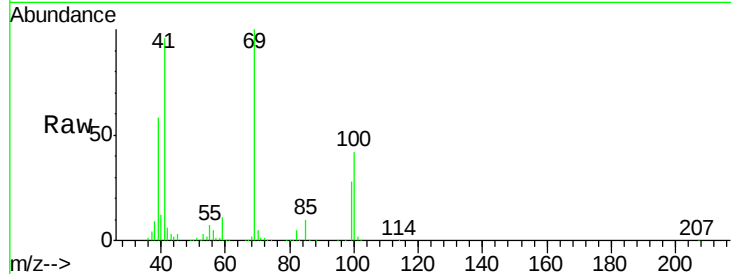
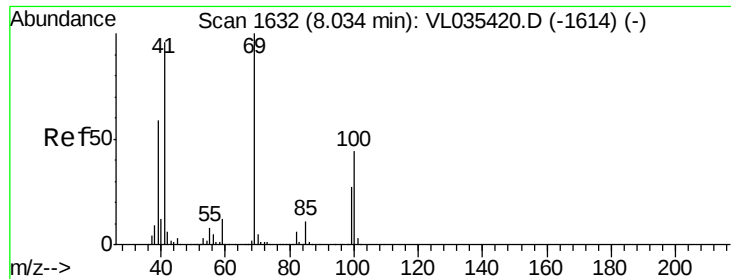
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#42
Bromodichloromethane
Concen: 1.554 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	54.8	82.2
127	10.0	6.1	9.1#





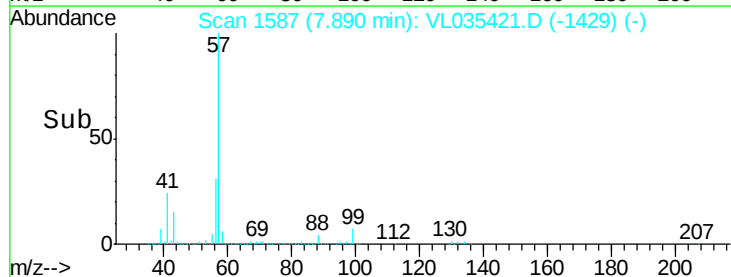
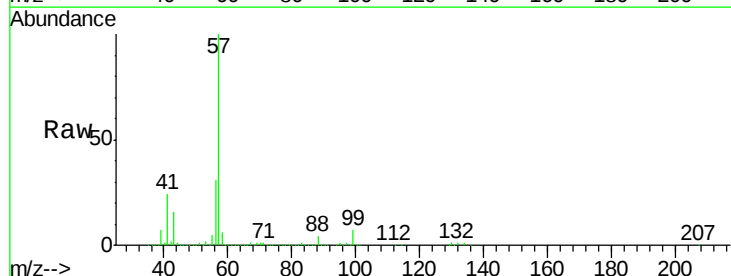
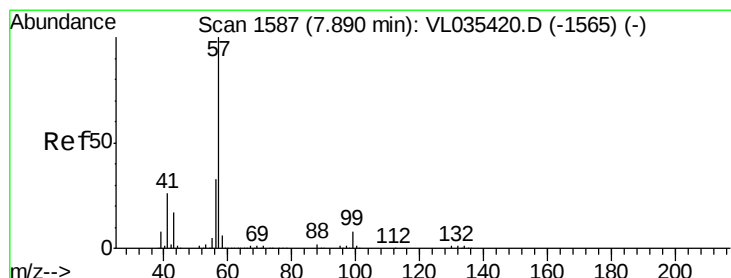
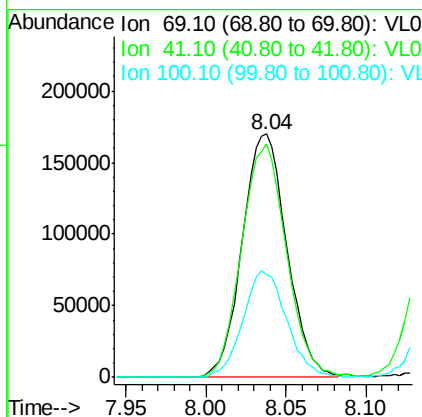
#43
Methvl Methacrylate
Concen: 1.422 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tot Ion	Ratio	Lower	Upper
69	100		
41	97.0	123.4	185.0#
100	43.1	24.2	36.4#

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

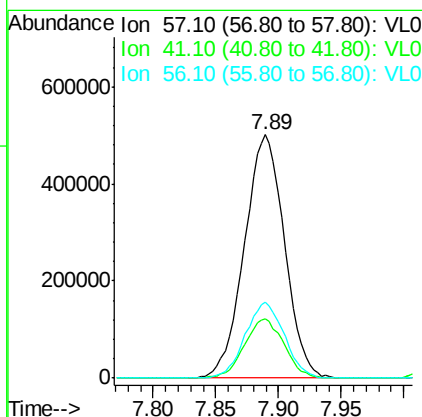
Manual Integrations
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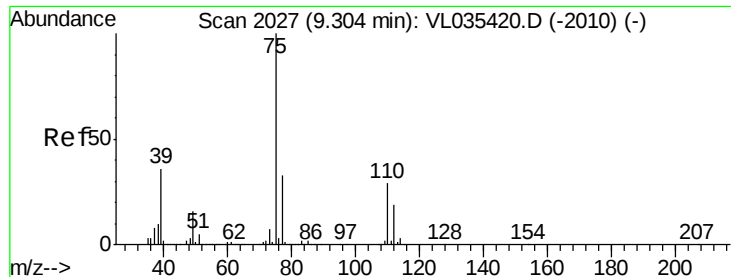
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#44
2,2,4-Trimethylpentane
Concen: 1.217 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
57	100		
41	24.1	27.2	40.8#
56	30.5	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 1.385 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 331705

Ion Ratio Lower Upper

75 100

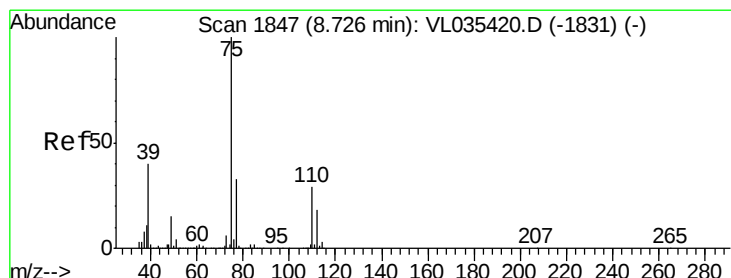
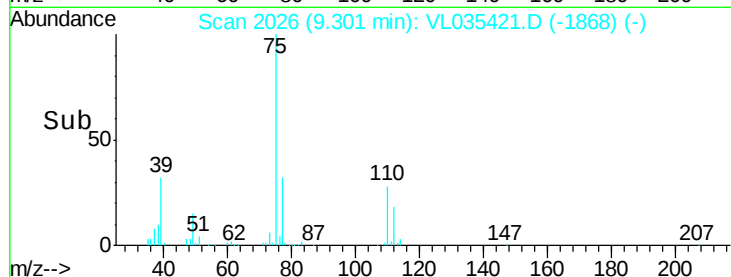
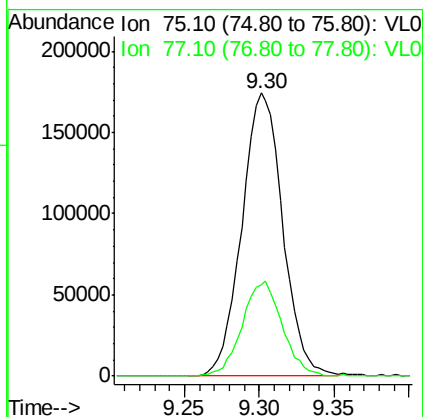
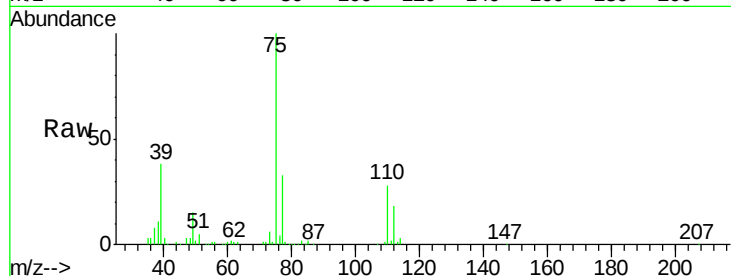
77 32.5 25.0 37.6

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#46

cis-1,3-Dichloropropene

Concen: 1.451 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

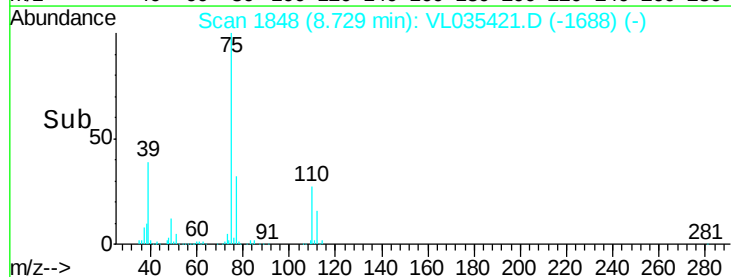
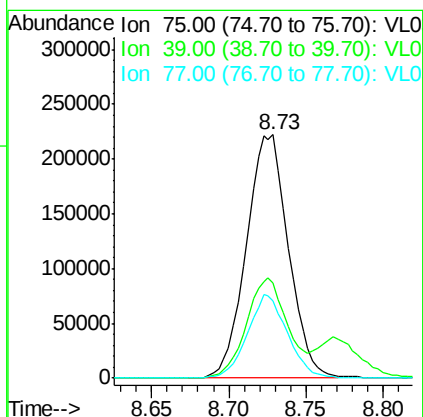
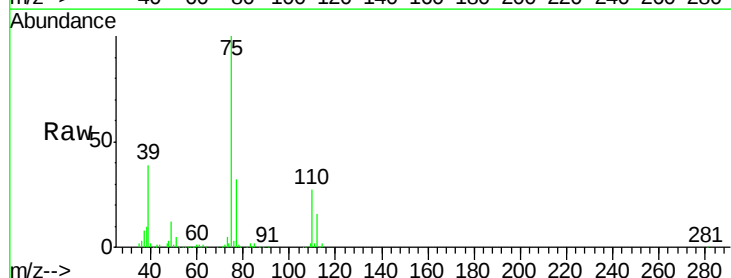
Tgt Ion: 75 Resp: 420792

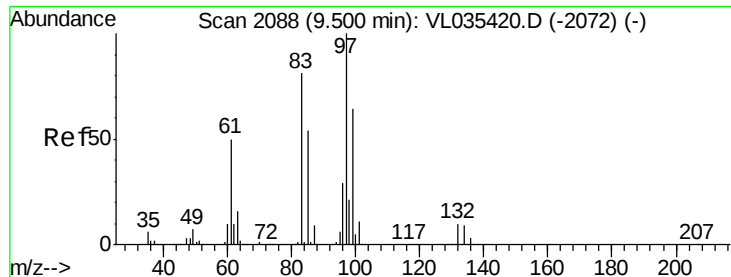
Ion Ratio Lower Upper

75 100

39 39.1 55.8 83.6#

77 31.7 25.6 38.4





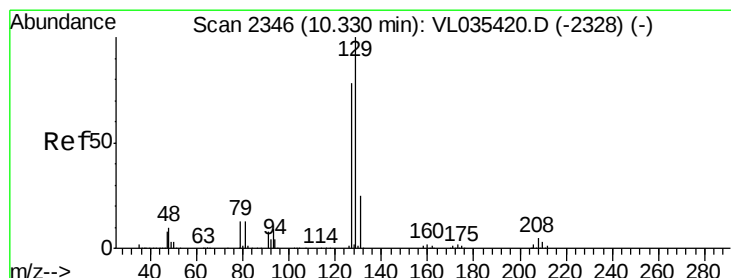
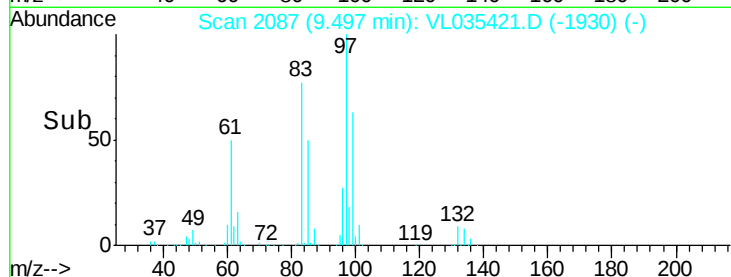
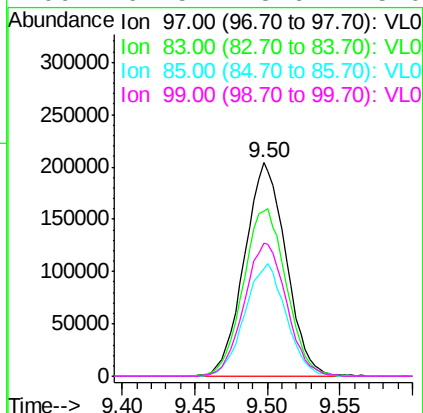
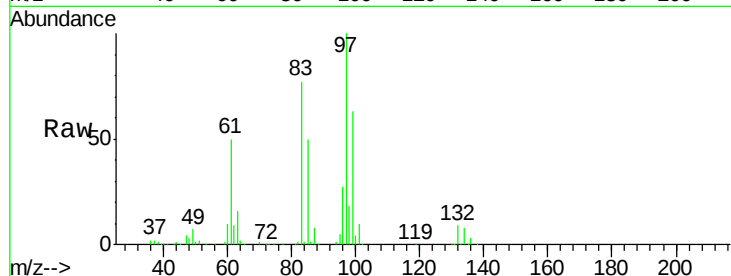
#47
 1,1,2-Trichloroethane
 Concen: 1.919 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		407430		
83	77.0		72.1	108.1	
85	50.3		46.8	70.2	
99	62.5		48.6	73.0	

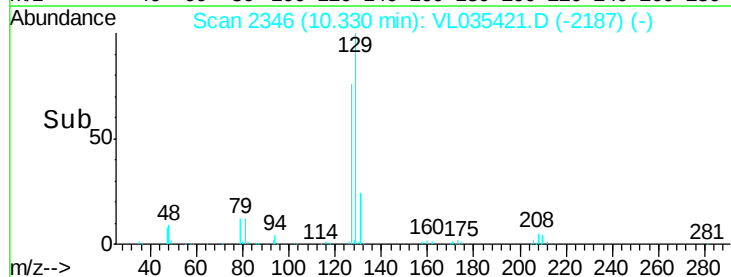
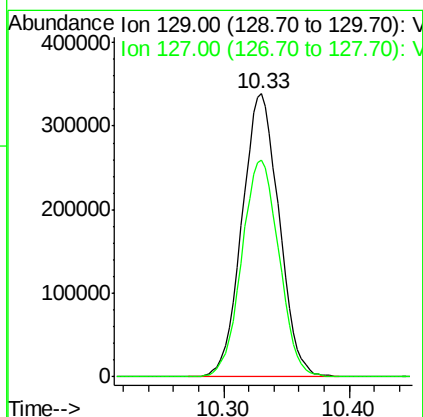
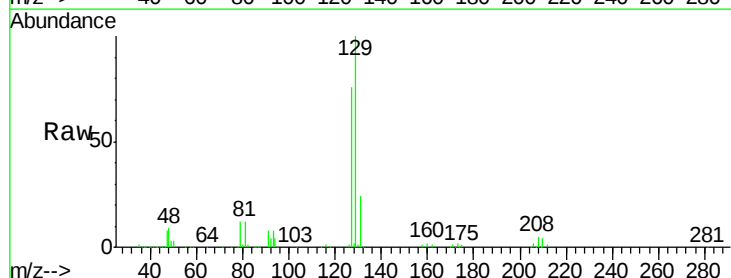
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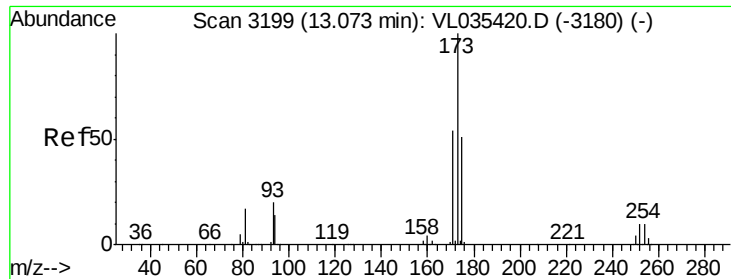
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#48
 Dibromochloromethane
 Concen: 2.253 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		696541		
127	77.3		39.5	118.5	





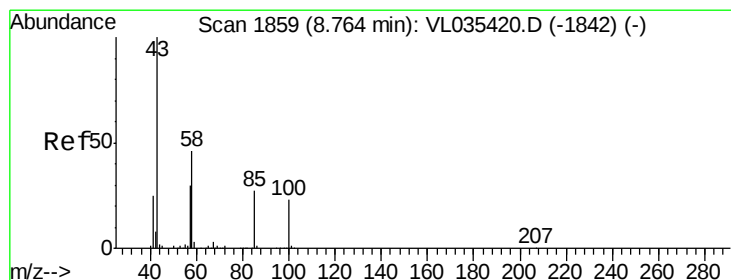
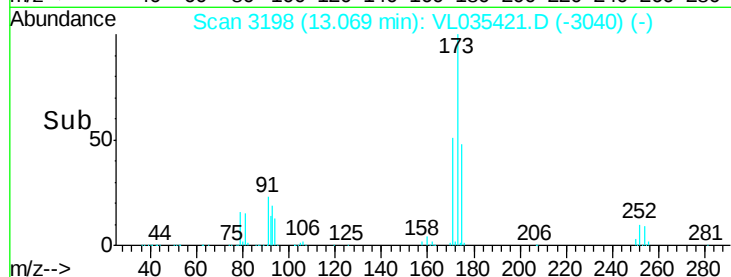
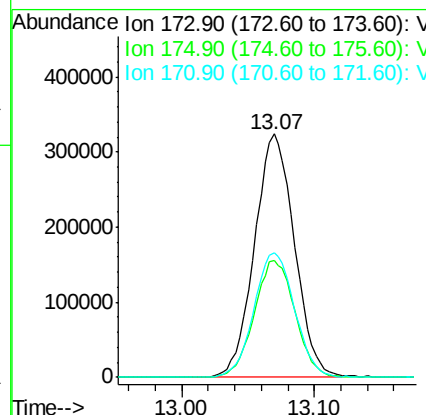
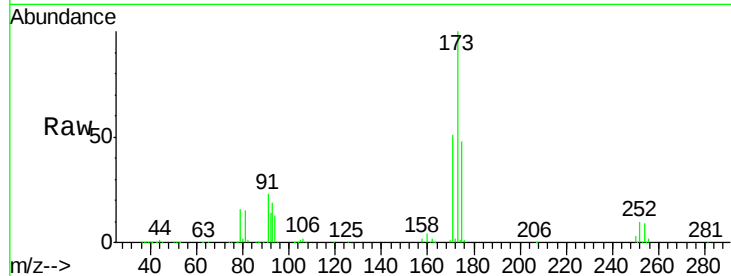
#49
Bromoform
Concen: 2.788 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.8	59.8
171	52.5	42.4	63.6

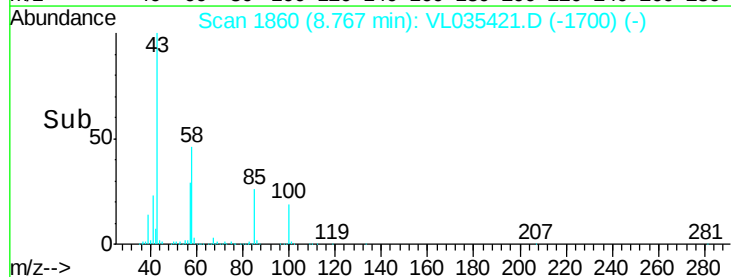
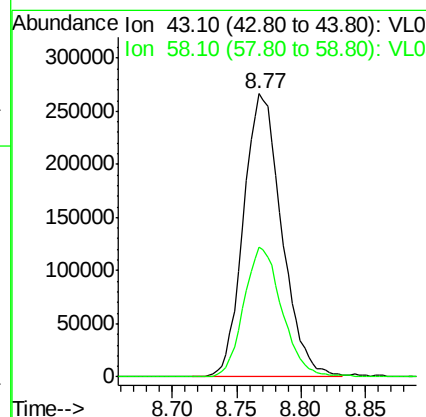
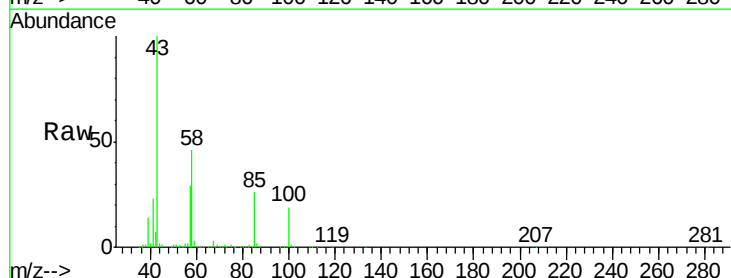
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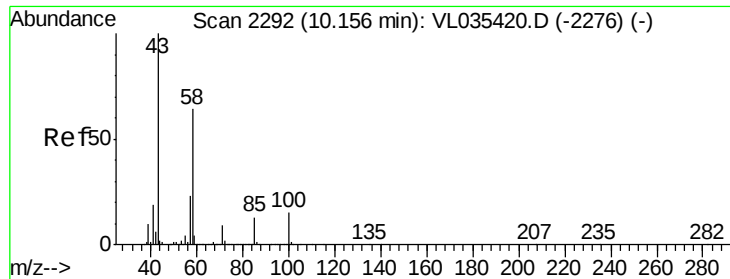
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 0.956 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.0	28.7	43.1#





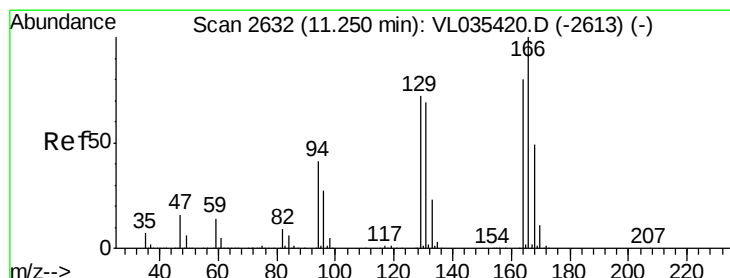
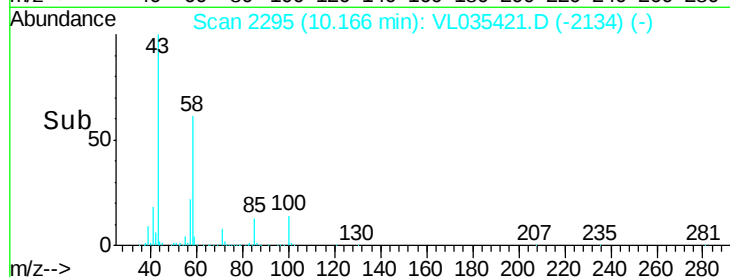
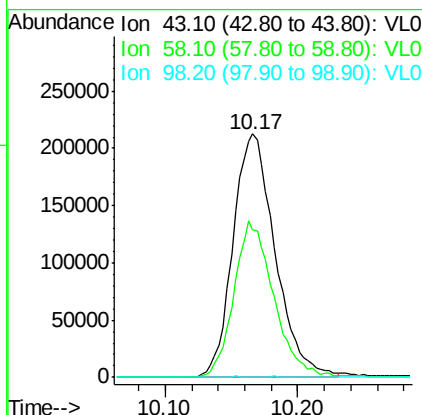
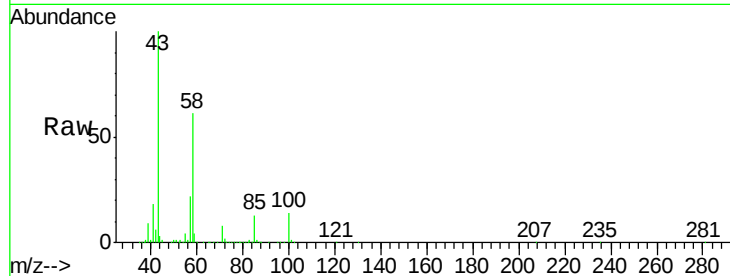
#51
2-Hexanone
Concen: 0.956 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.6	38.6	58.0#
98	0.5	0.2	0.2#

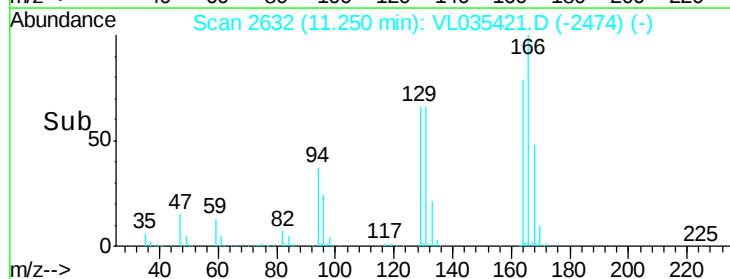
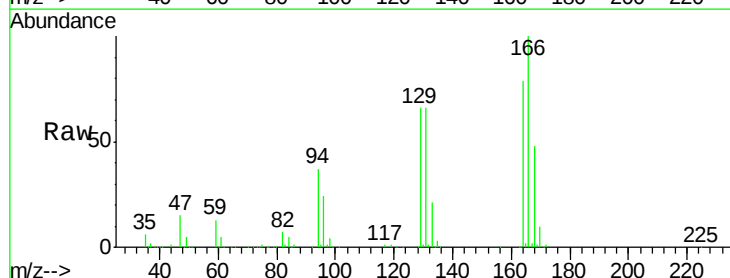
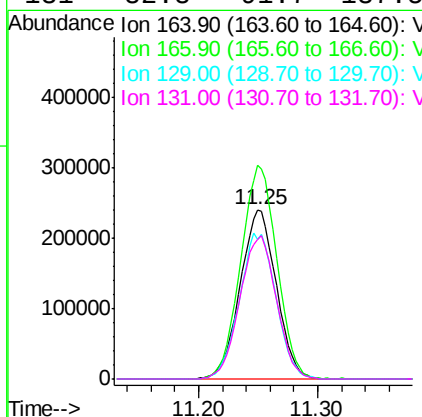
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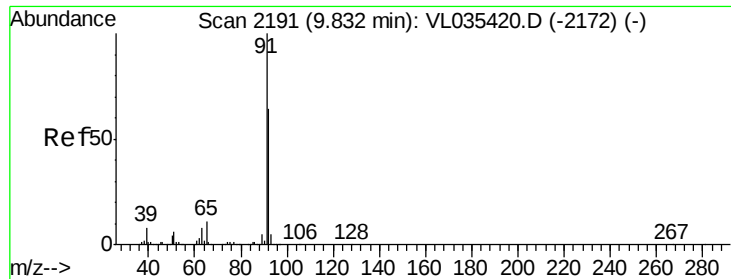
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#52
Tetrachloroethene
Concen: 2.699 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.4	155.0
129	82.8	90.2	135.4#
131	82.8	91.7	137.5#





#53

Toluene

Concen: 1.836 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1095224

Ion Ratio Lower Upper

91 100

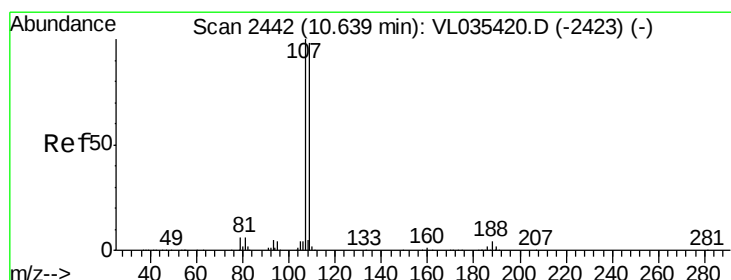
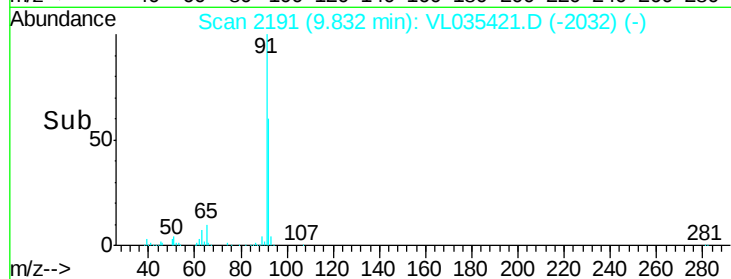
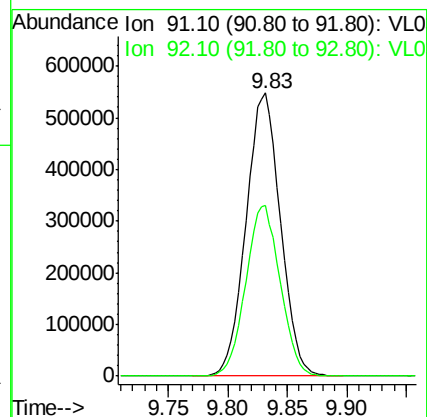
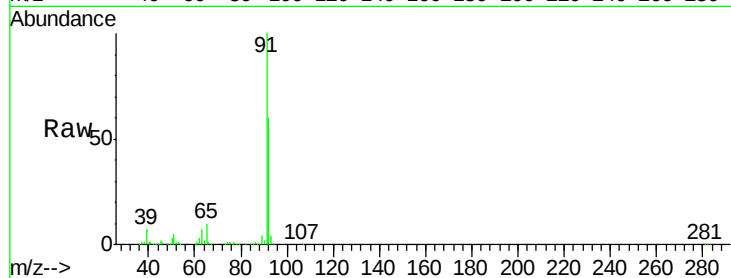
92 60.5 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 2.014 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035421.D

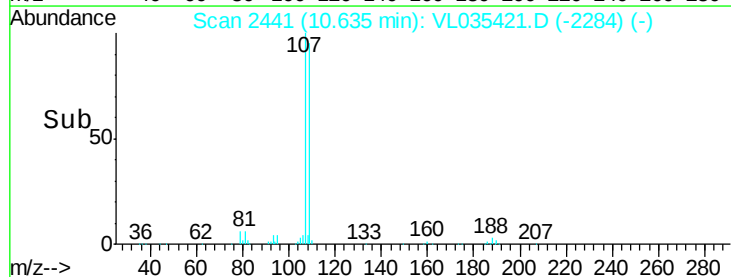
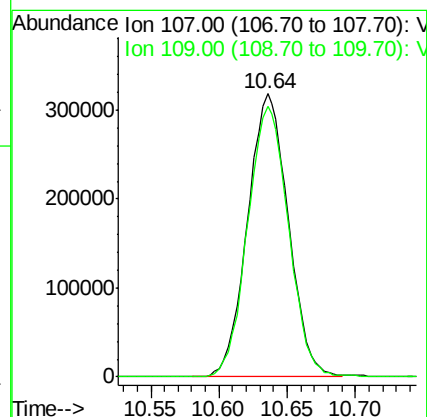
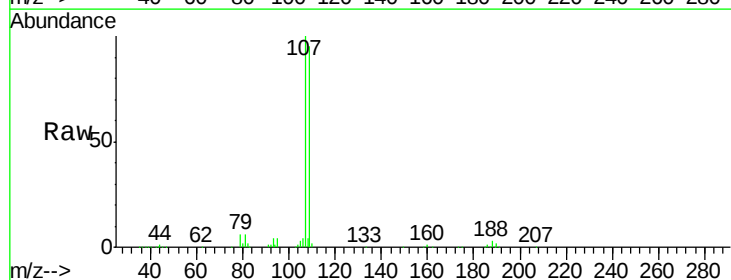
Acq: 17 Aug 2020 14:52

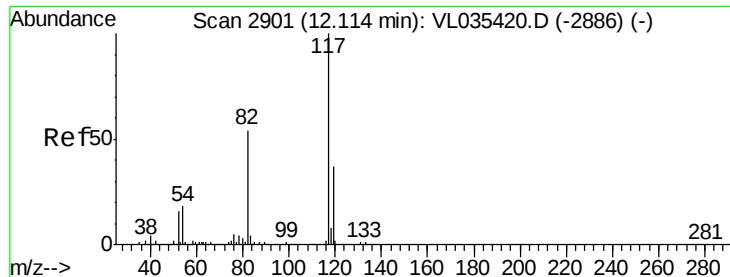
Tgt Ion: 107 Resp: 659937

Ion Ratio Lower Upper

107 100

109 95.4 75.1 112.7





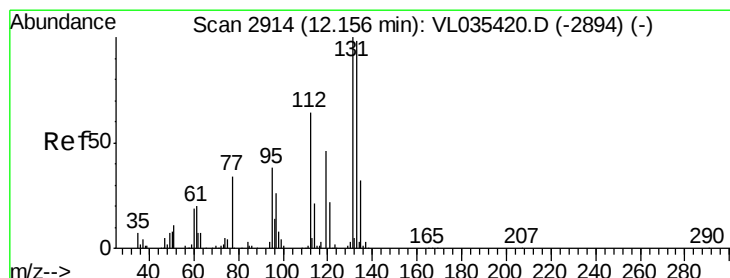
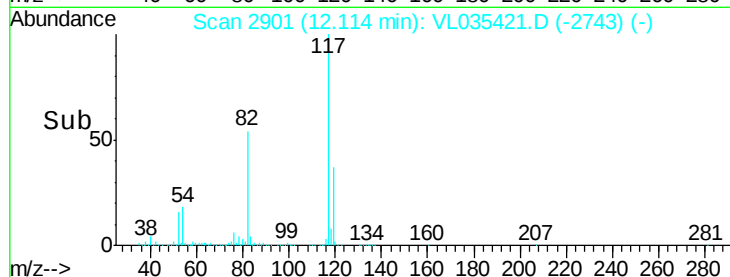
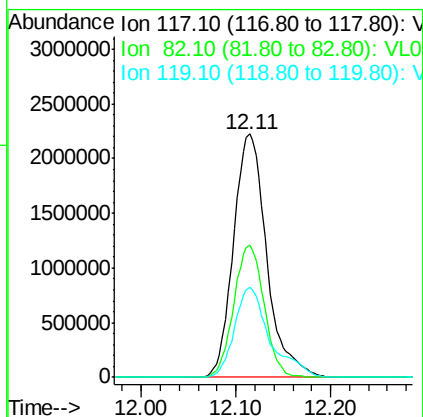
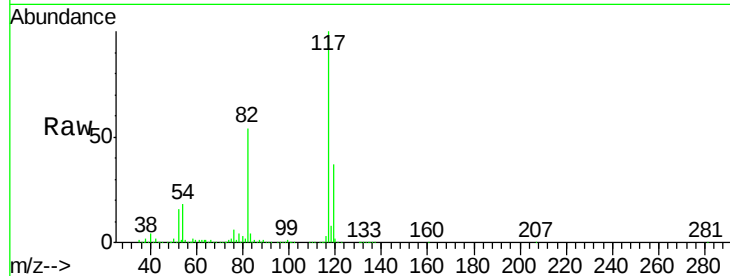
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 5430807
Ion Ratio Lower Upper
117 100
82 49.8 57.4 86.0#
119 39.6 28.4 42.6

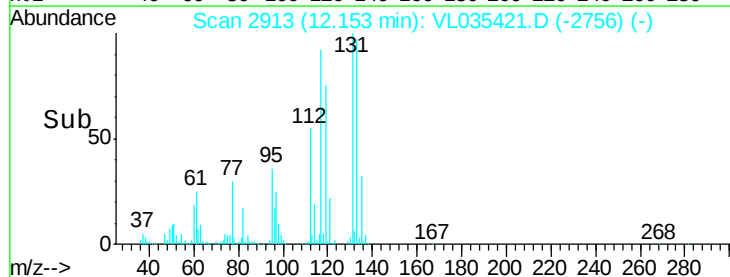
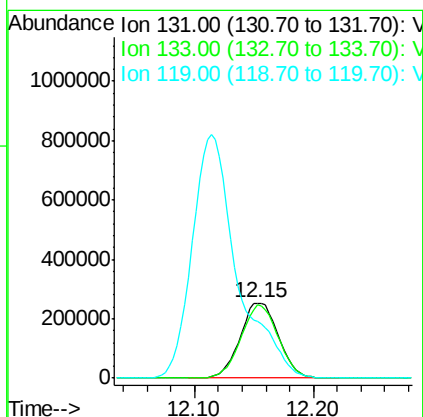
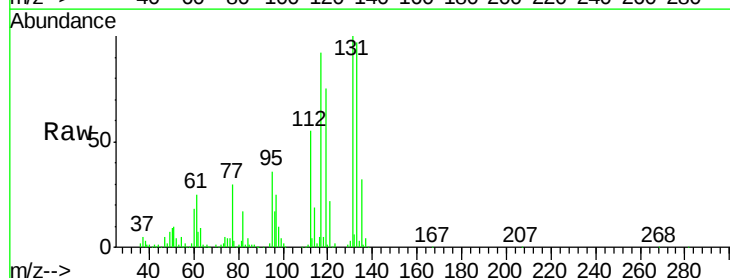
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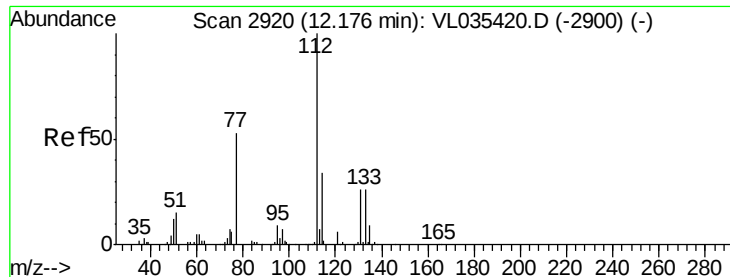
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.111 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion:131 Resp: 564115
Ion Ratio Lower Upper
131 100
133 95.1 76.1 114.1
119 381.3 50.7 76.1#





#57

Chlorobenzene

Concen: 2.023 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

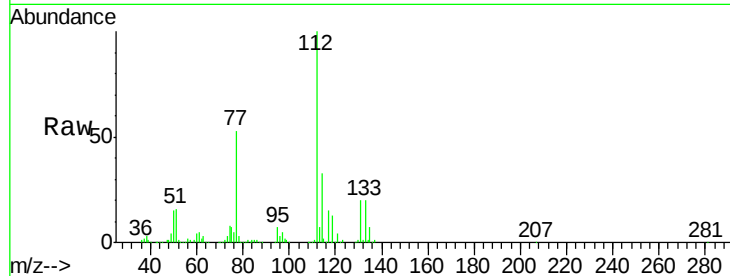
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	992011
Ion Ratio	Lower	Upper	
112	100		
77	52.7	60.6	91.0#
114	32.8	28.5	34.9

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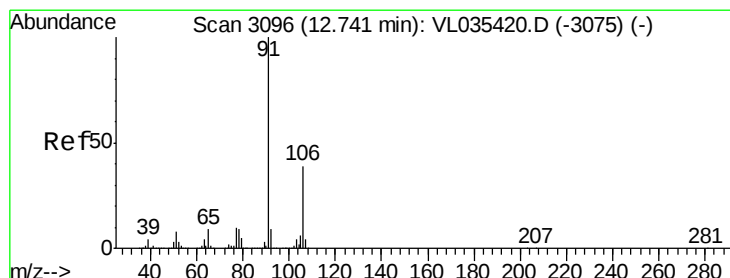
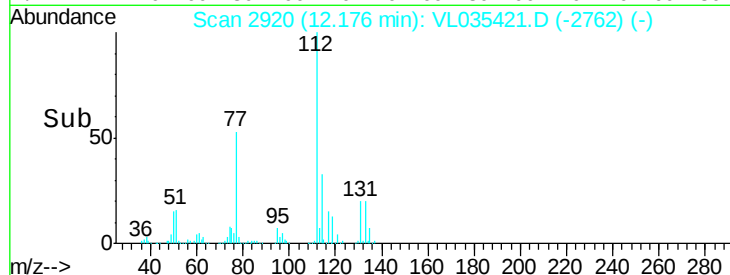
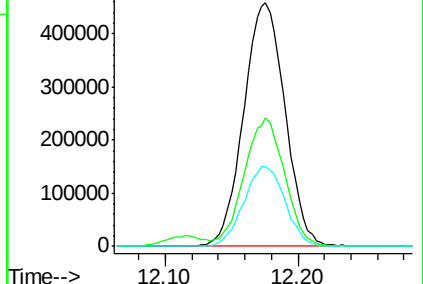
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.637 ppbv

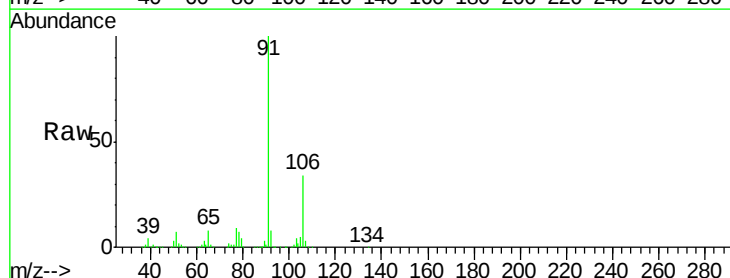
RT: 12.74 min Scan# 3096

Delta R.T. 0.01 min

Lab File: VL035421.D

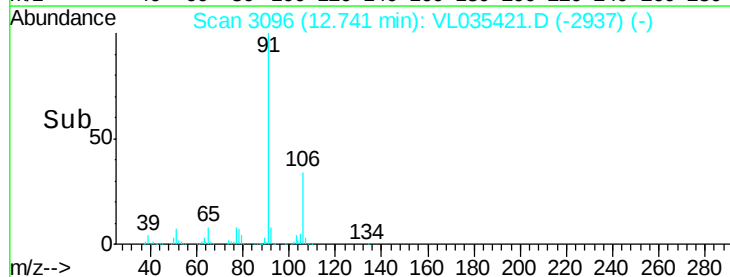
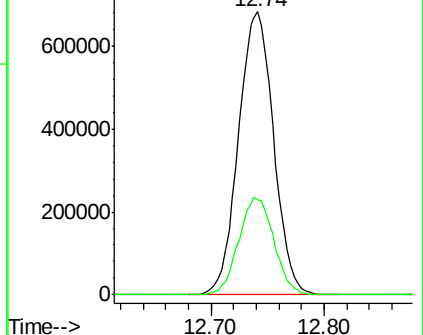
Acq: 17 Aug 2020 14:52

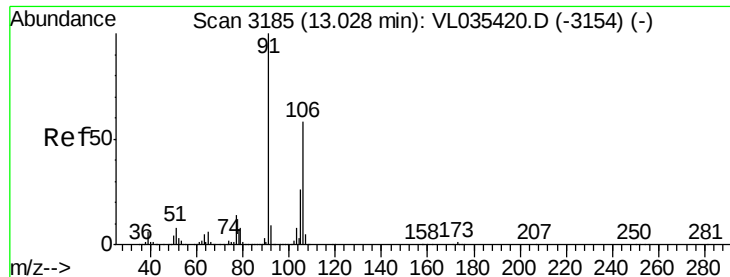
Tgt Ion:	91	Resp:	1471650
Ion Ratio	Lower	Upper	
91	100		
106	33.8	24.1	36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





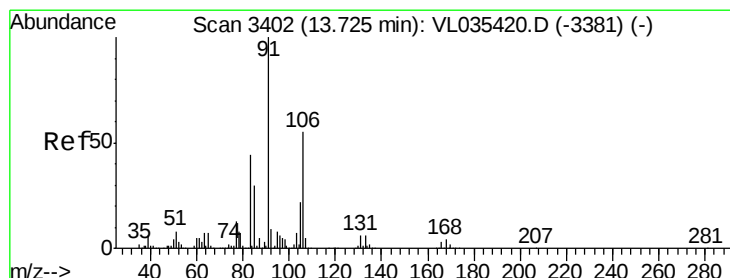
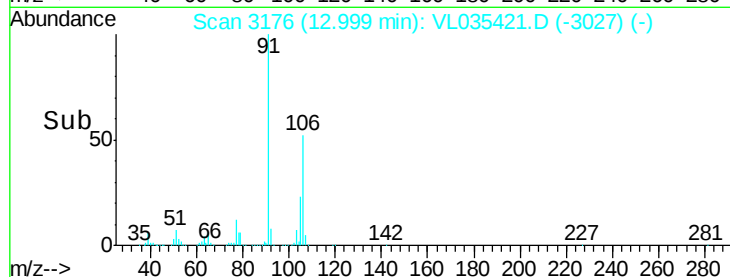
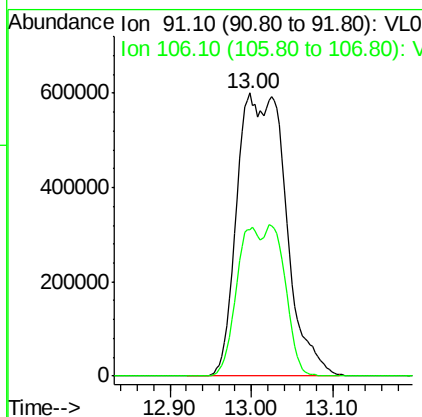
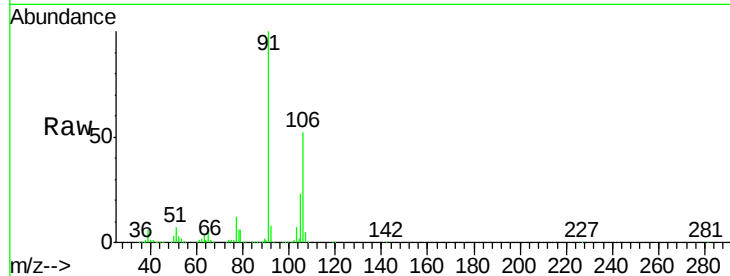
#59
m/p-Xylene
Concen: 3.318 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2488645
Ion Ratio Lower Upper
91 100
106 50.8 34.0 51.0

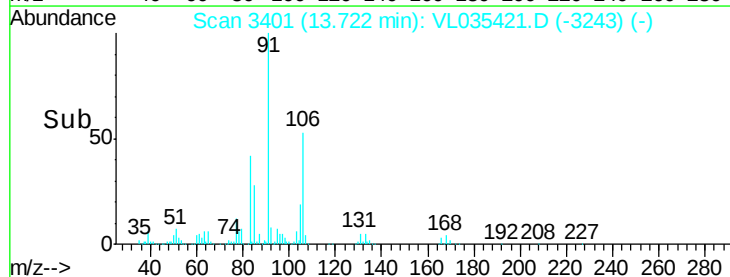
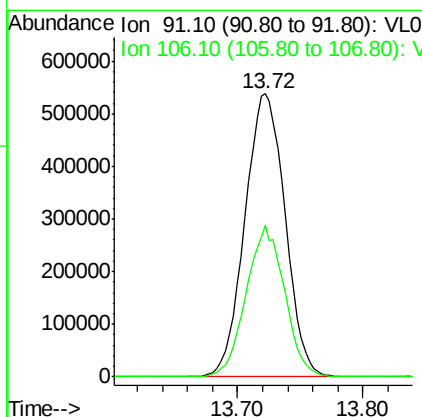
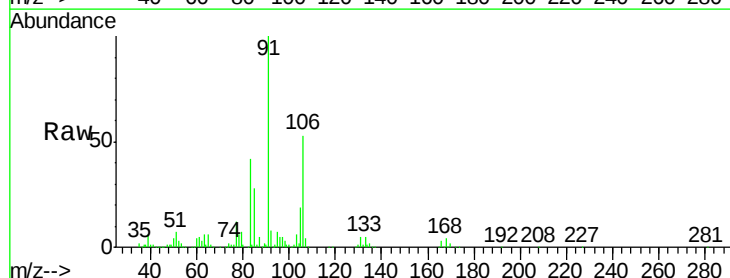
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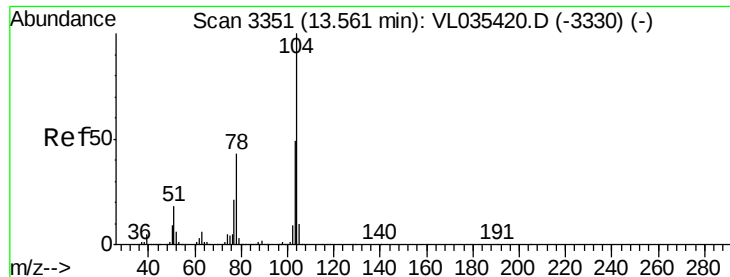
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#60
o-Xylene
Concen: 1.622 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion: 91 Resp: 1197100
Ion Ratio Lower Upper
91 100
106 50.7 21.8 65.3





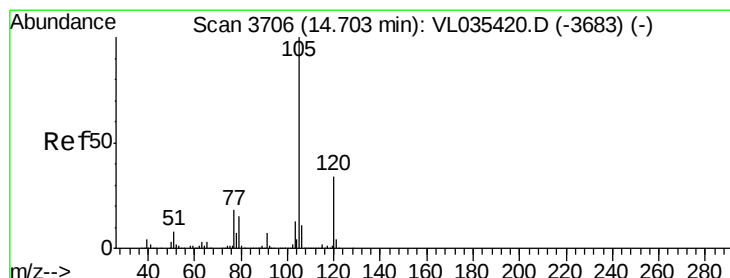
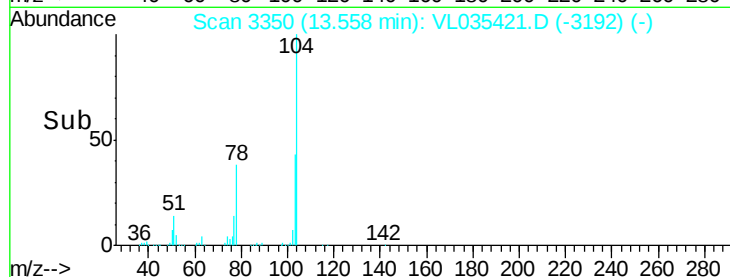
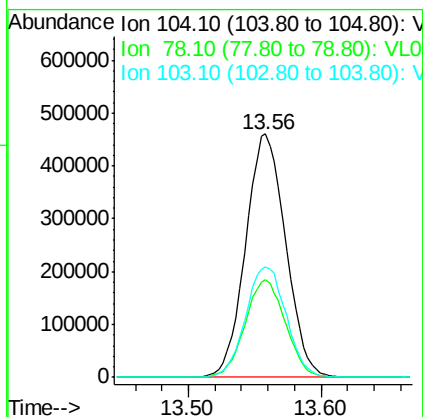
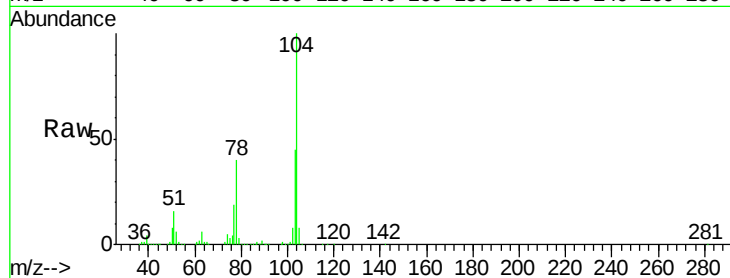
#61
Stvrene
Concen: 1.915 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	40.5	45.4	68.2#
103	46.3	37.8	56.8

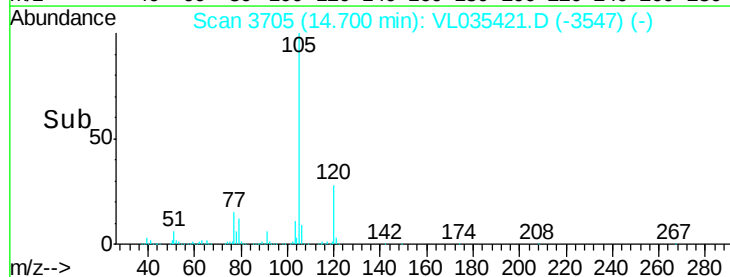
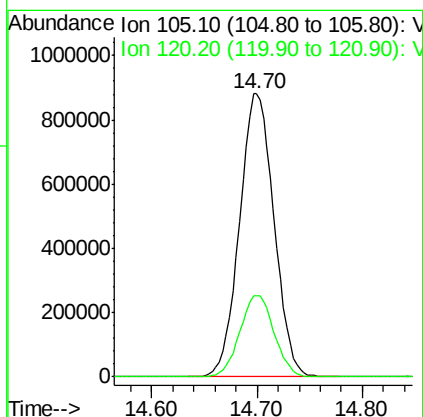
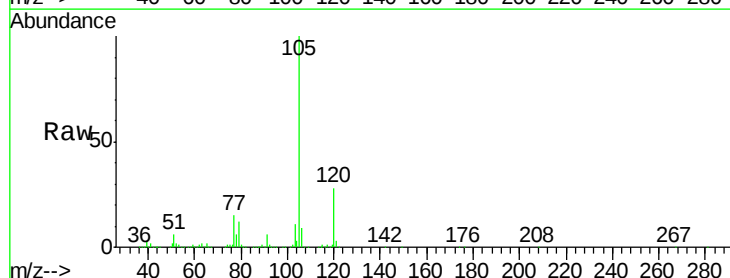
Manual Integrations
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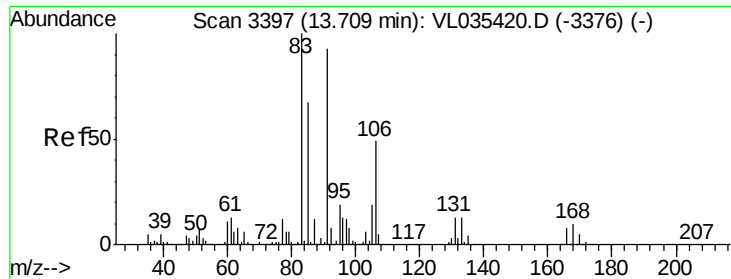
MMDadoda
8/20/2020 11:05:37 AM



#62
Isopropylbenzene
Concen: 1.841 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.7	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 1.493 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

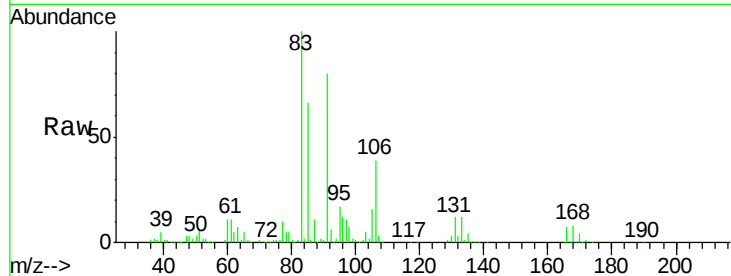
ClientSampleId :

VSTDIC002

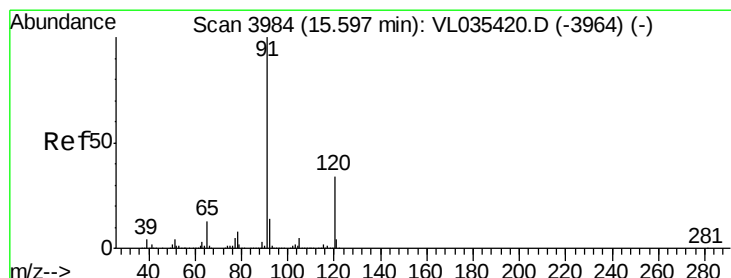
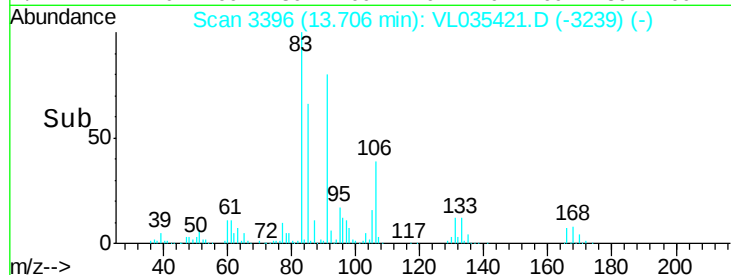
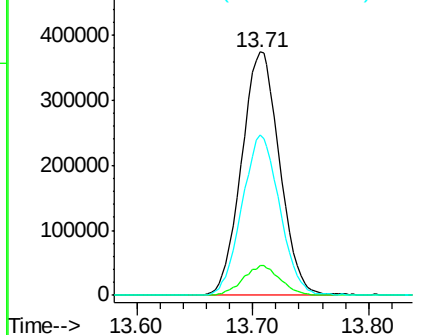
Tot Ion:	83	Resp:	855213
Ion Ratio	Lower	Upper	
83	100		
131	11.8	4.5	13.4
85	65.3	32.7	98.1

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.175 ppbv

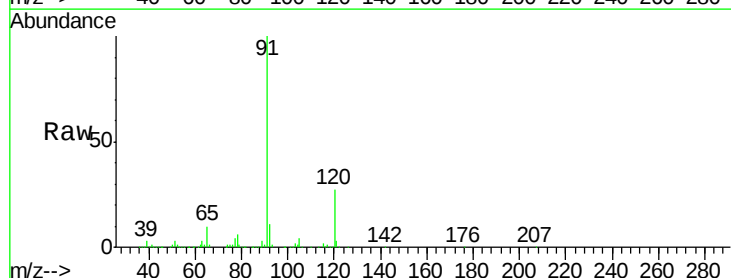
RT: 15.59 min Scan# 3983

Delta R.T. 0.01 min

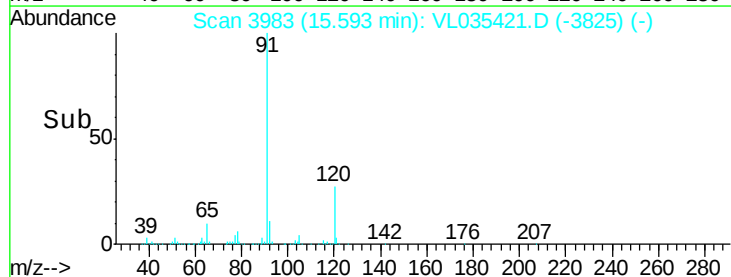
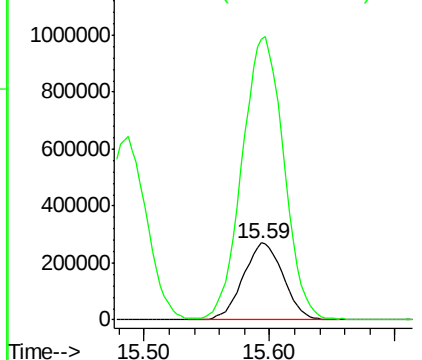
Lab File: VL035421.D

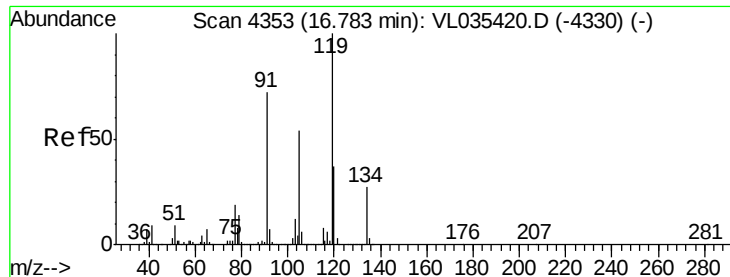
Acq: 17 Aug 2020 14:52

Tgt Ion:	120	Resp:	600592
Ion Ratio	Lower	Upper	
120	100		
91	384.0	385.5	578.3#



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.117 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC002

Tot Ion:119 Resp: 1976265

Ion Ratio Lower Upper

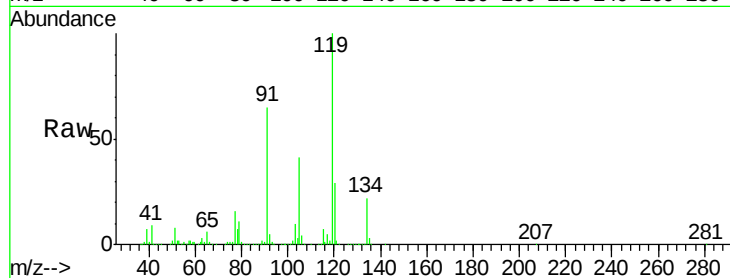
119 100

91 66.4 72.0 108.0#

134 22.0 15.7 23.5

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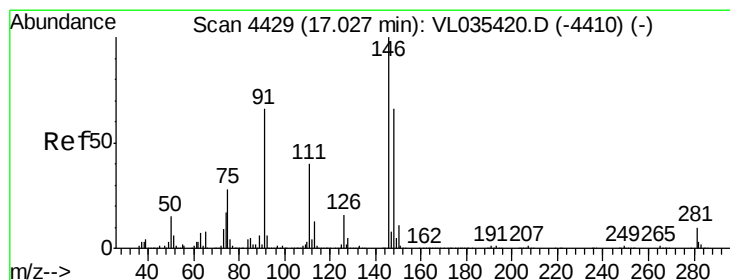
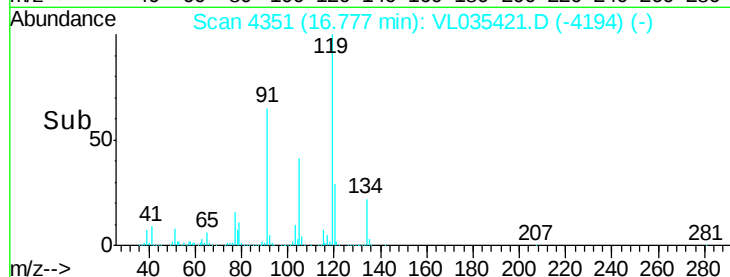
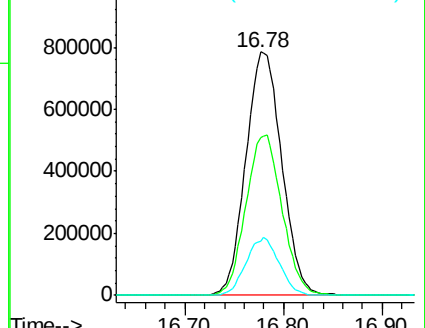
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 1.422 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

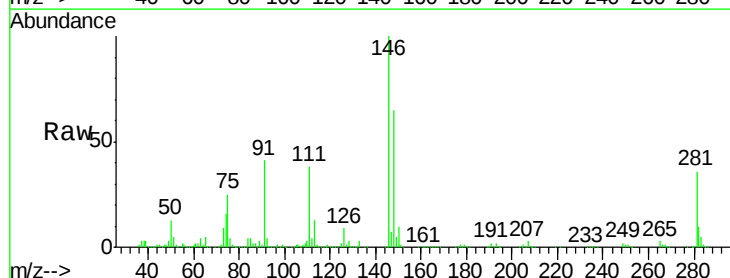
Tgt Ion: 91 Resp: 434487

Ion Ratio Lower Upper

91 100

126 20.8 13.3 19.9#

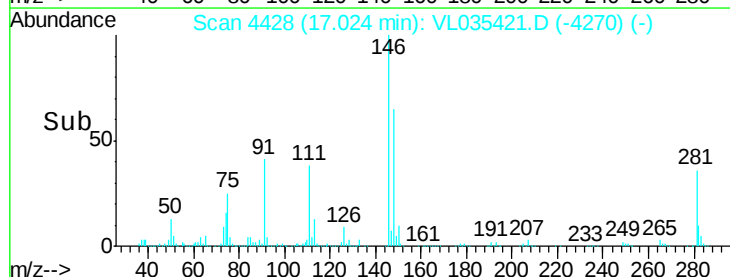
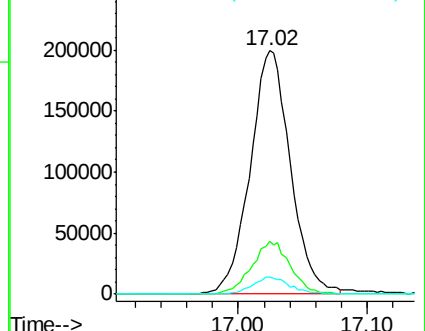
128 6.7 4.1 6.1#

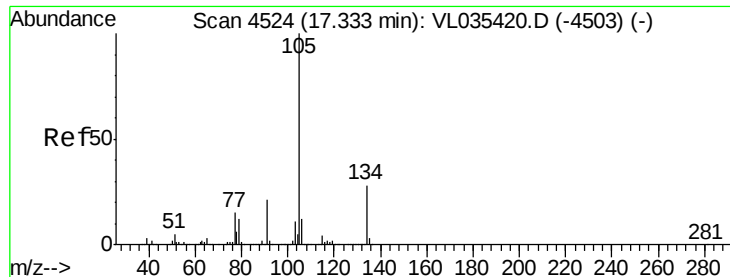


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 1.922 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 2648525

Ion Ratio Lower Upper

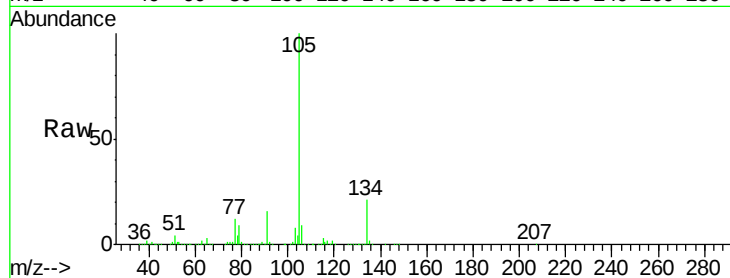
105 100

134 21.3 14.1 21.1#

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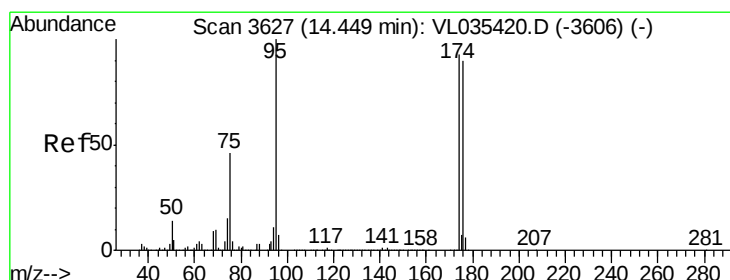
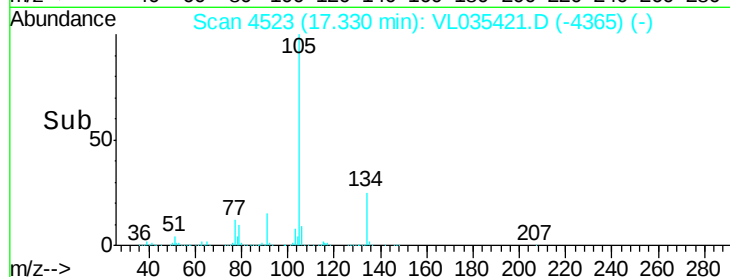
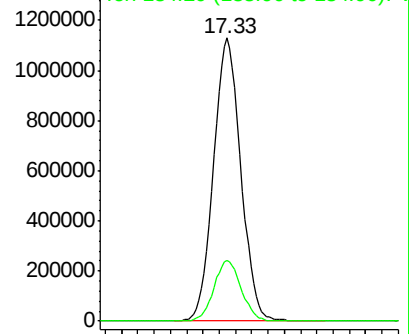
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.009 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

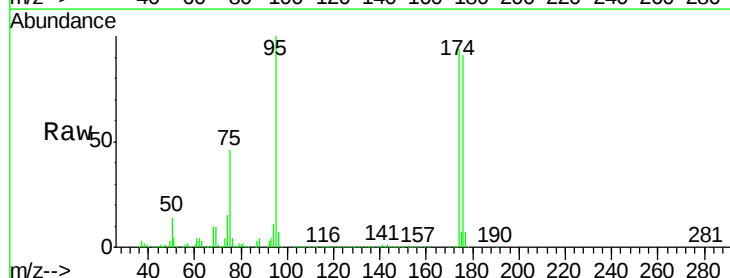
Tgt Ion: 95 Resp: 3683191

Ion Ratio Lower Upper

95 100

174 95.0 44.0 66.0#

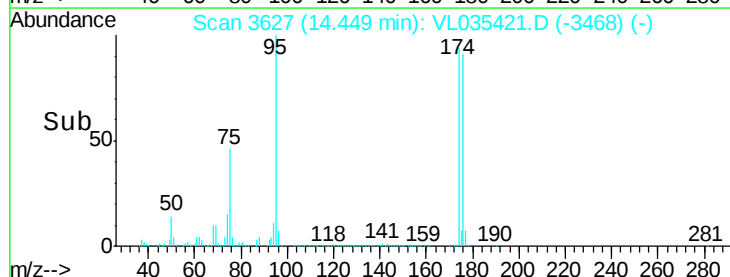
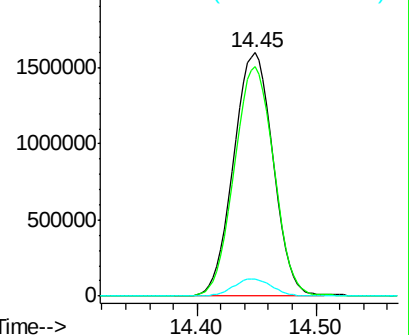
175 7.0 3.2 4.8#

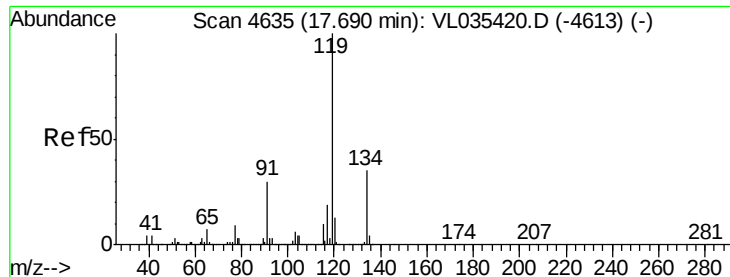


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





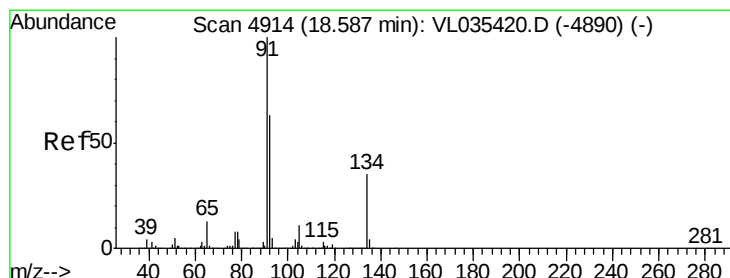
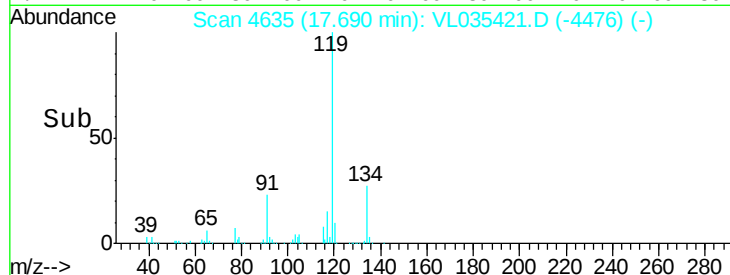
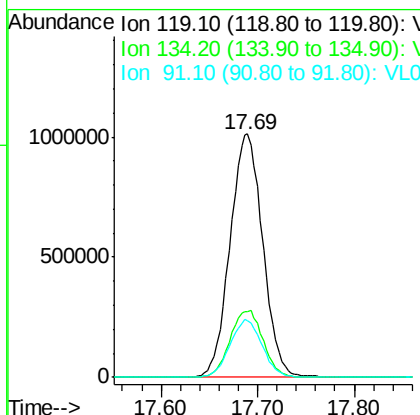
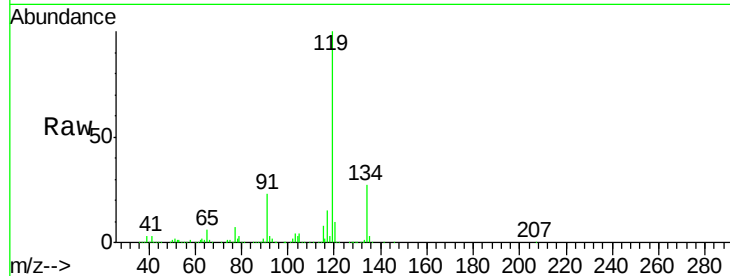
#69
 p-Isopropyltoluene
 Concen: 2.113 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	20.6	30.8
91	23.7	26.6	39.8

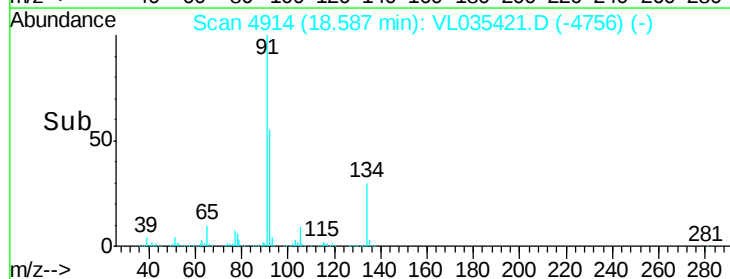
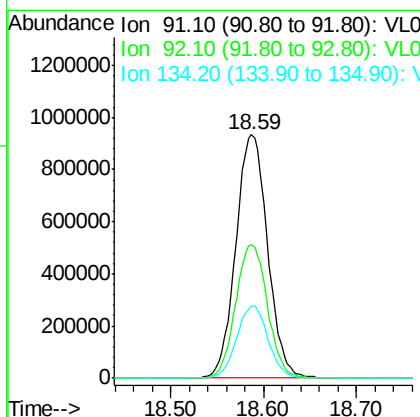
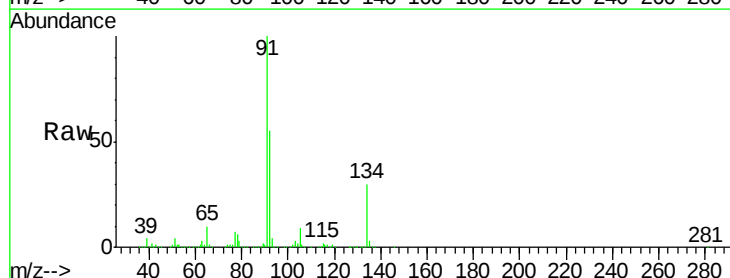
Manual Integrations
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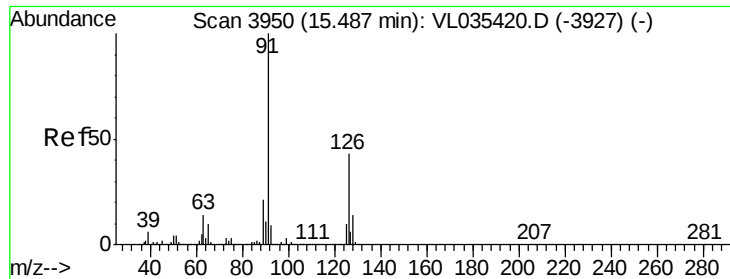
MMDadoda
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#70
 n-Butylbenzene
 Concen: 1.687 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.8	67.2
134	29.4	17.3	25.9





#71

2-Chlorotoluene

Concen: 1.613 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1437291

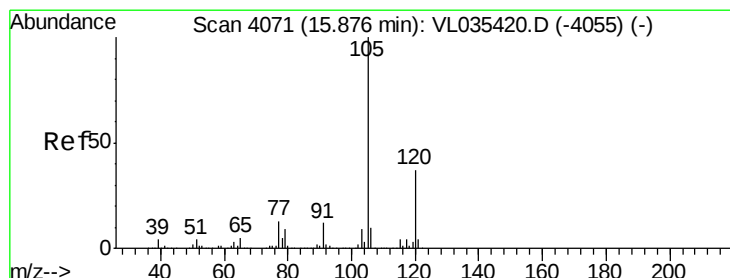
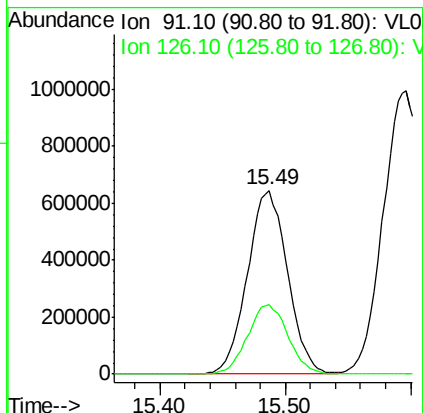
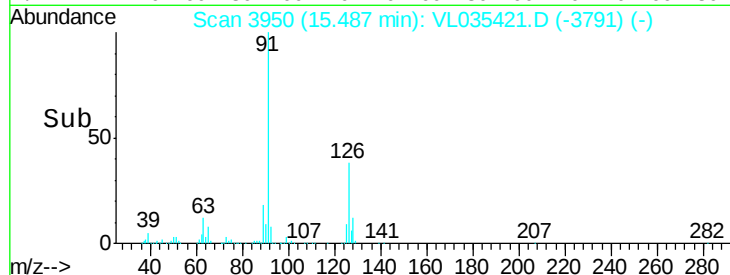
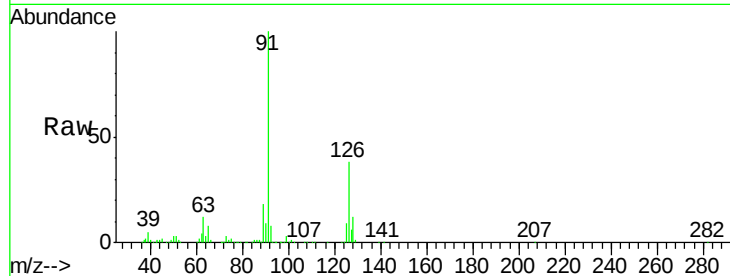
Ion Ratio Lower Upper

91 100

126 38.1 11.4 45.6

Manual Integrations
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#72

4-Ethyltoluene

Concen: 1.865 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Tgt Ion: 105 Resp: 1612909

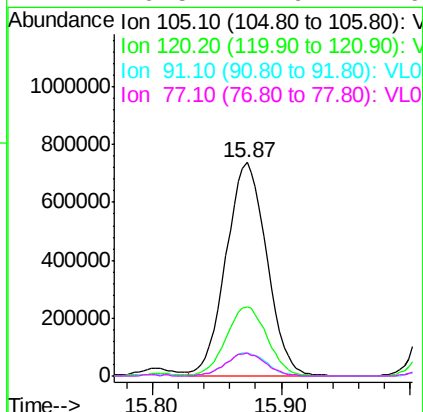
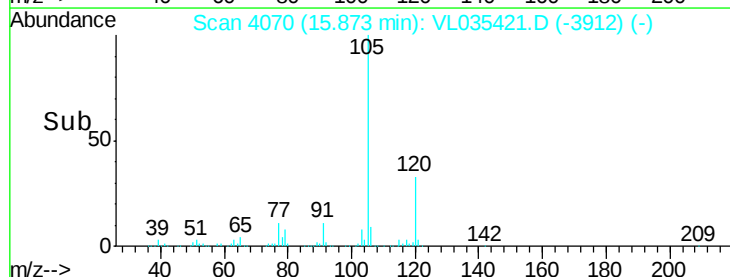
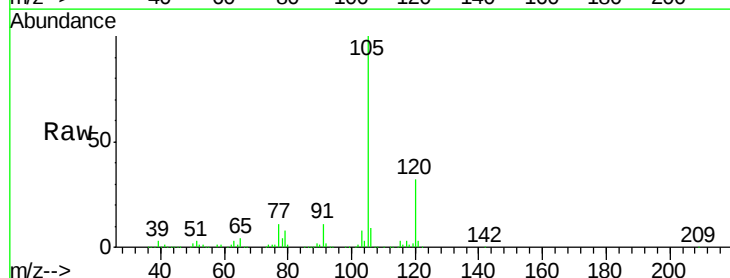
Ion Ratio Lower Upper

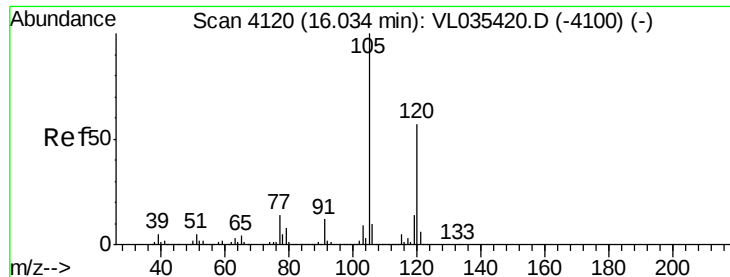
105 100

120 32.9 22.7 34.1

91 10.7 10.8 16.2#

77 10.5 11.9 17.9#





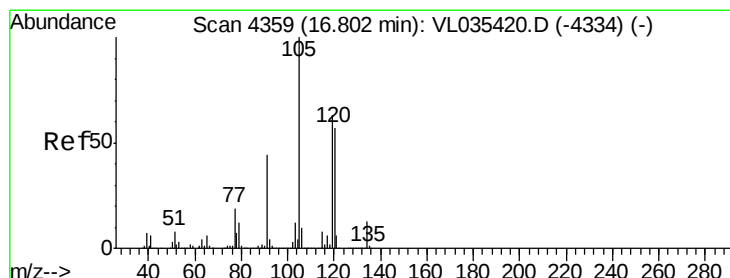
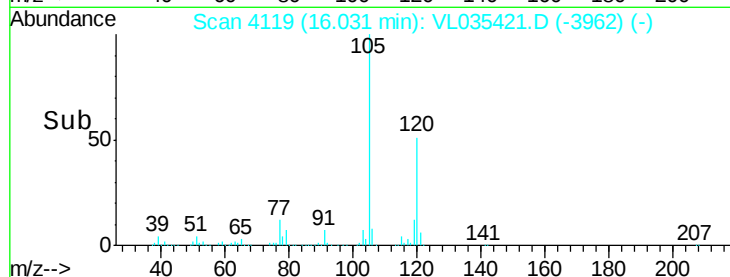
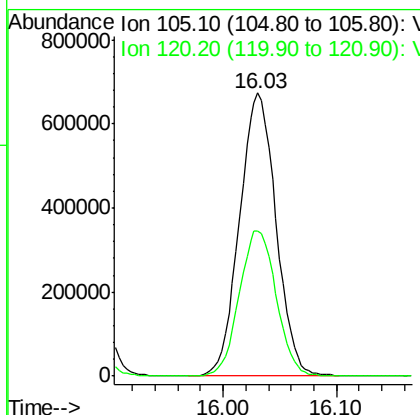
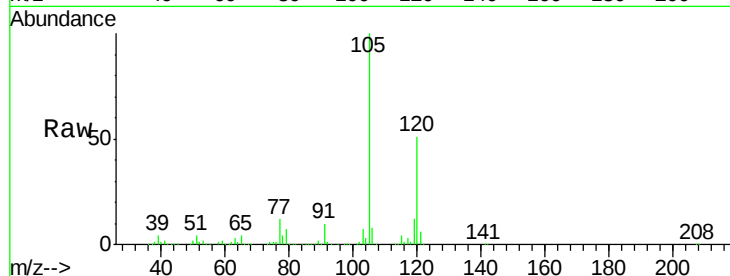
#73
 1,3,5-Trimethylbenzene
 Concen: 1.841 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1503020
 Ion Ratio Lower Upper
 105 100
 120 51.5 35.6 53.4

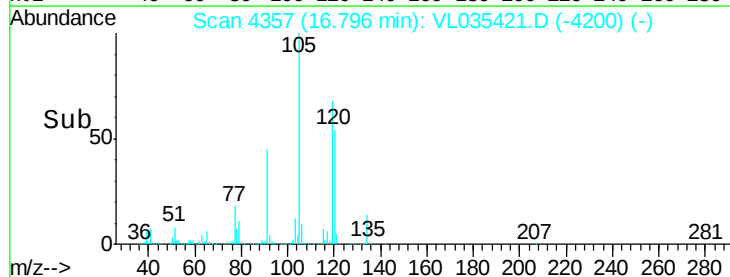
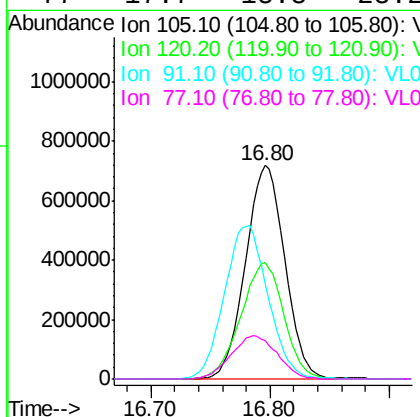
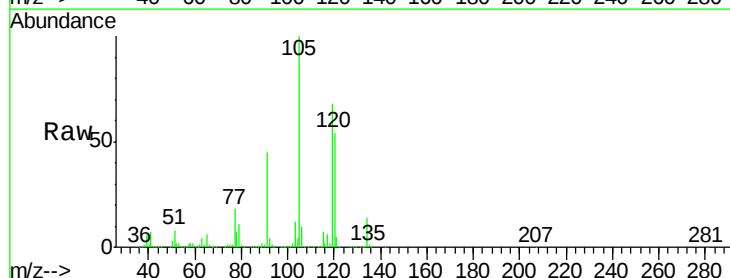
Manual Integrations
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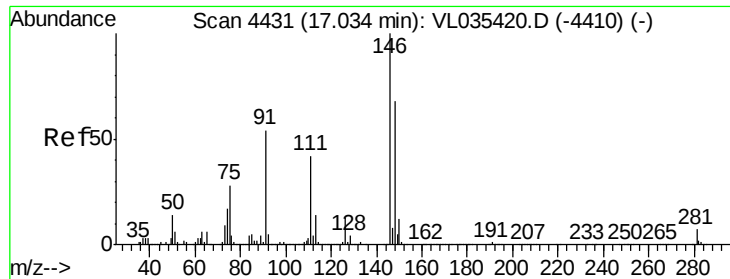
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.879 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion:105 Resp: 1642991
 Ion Ratio Lower Upper
 105 100
 120 54.1 37.8 56.8
 91 44.4 40.0 60.0
 77 17.7 18.8 28.2#





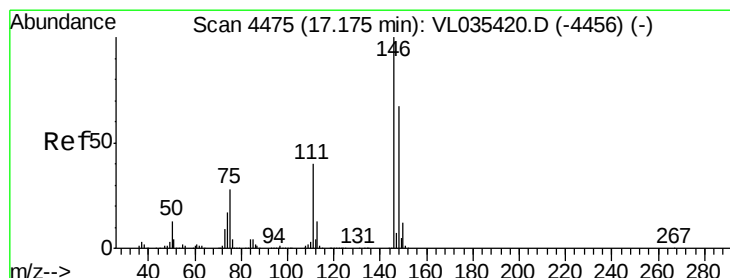
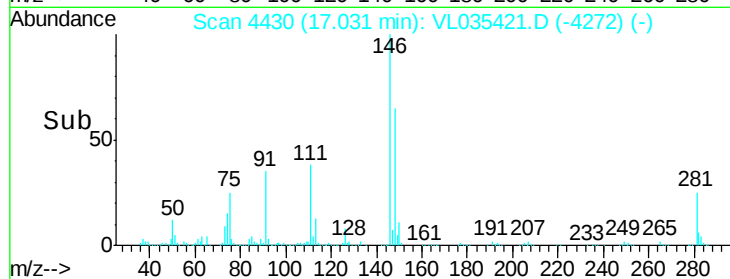
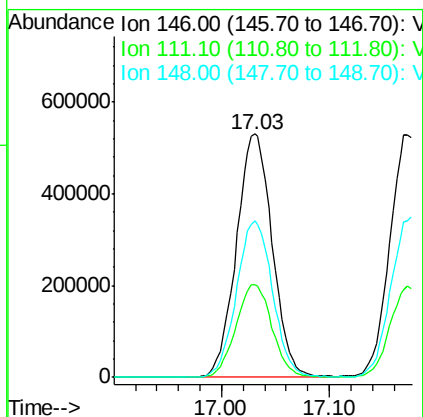
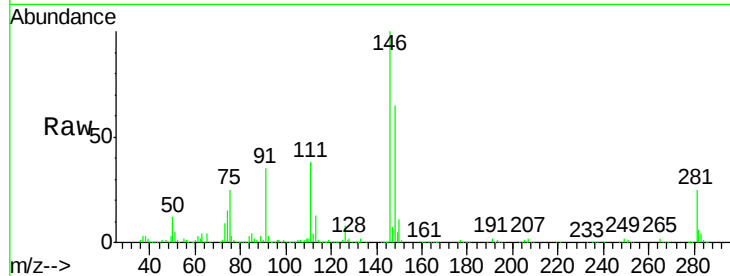
#75
 1,3-Dichlorobenzene
 Concen: 2.589 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	25.6	76.8
148	64.7	32.3	96.9

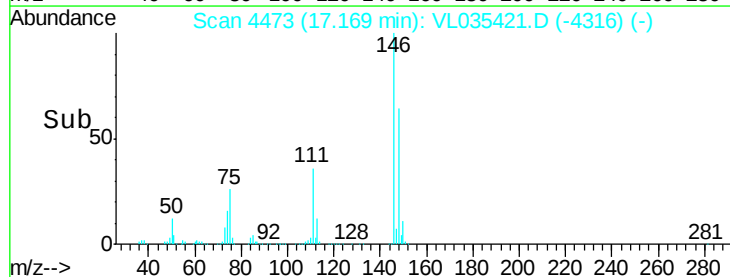
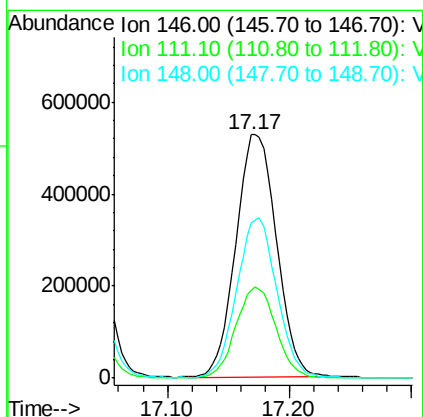
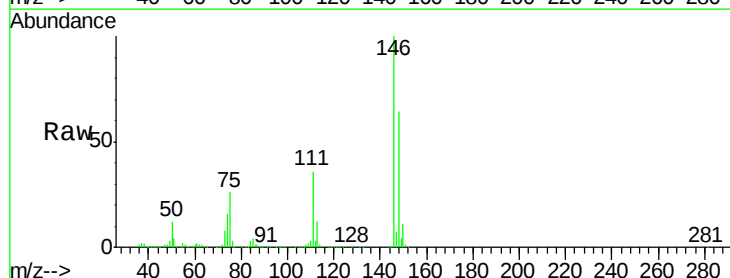
Manual Integrations
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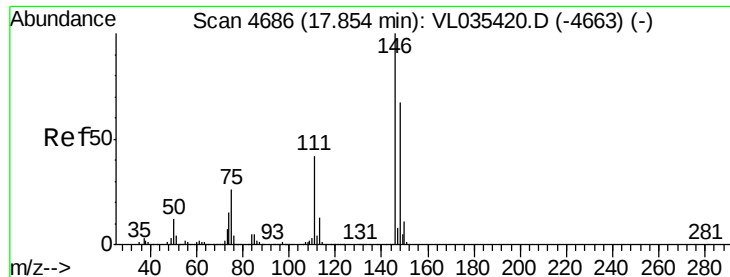
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 2.496 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. 0.00 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	24.8	74.4
148	65.3	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 2.525 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:146 Resp: 1210495

Ion Ratio Lower Upper

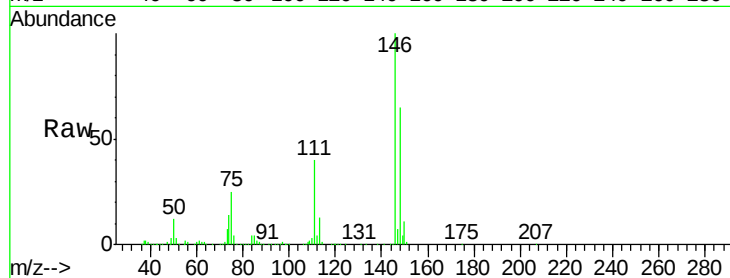
146 100

111 39.1 26.3 78.9

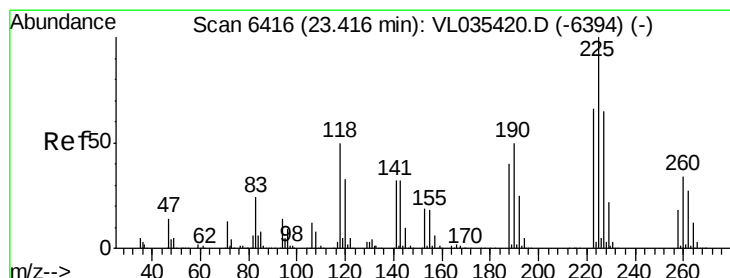
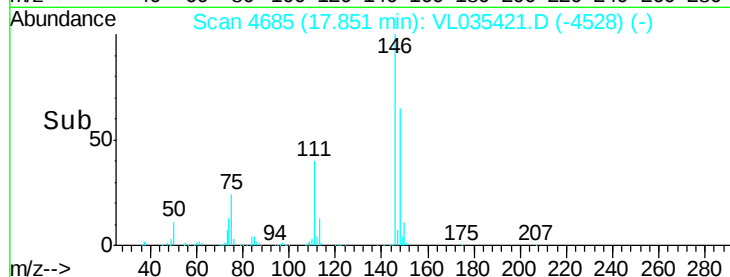
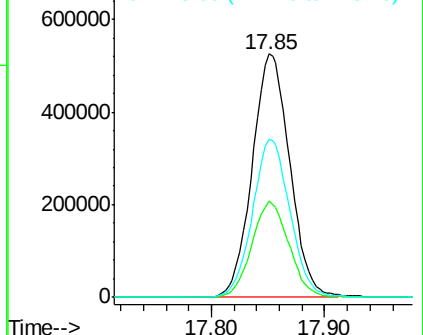
148 65.1 32.0 96.0

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 2.674 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. 0.01 min

Lab File: VL035421.D

Acq: 17 Aug 2020 14:52

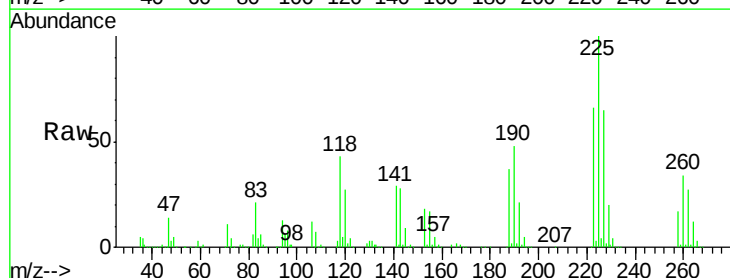
Tgt Ion:225 Resp: 984635

Ion Ratio Lower Upper

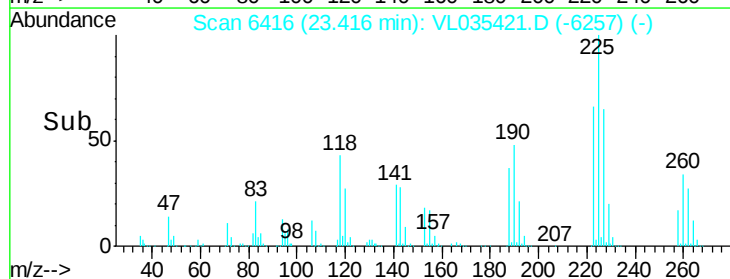
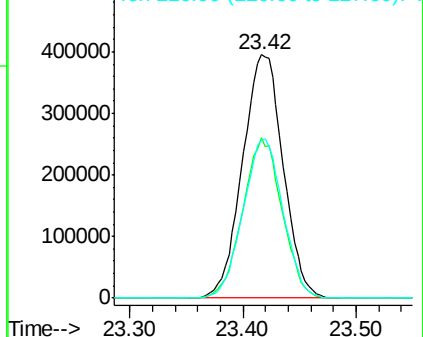
225 100

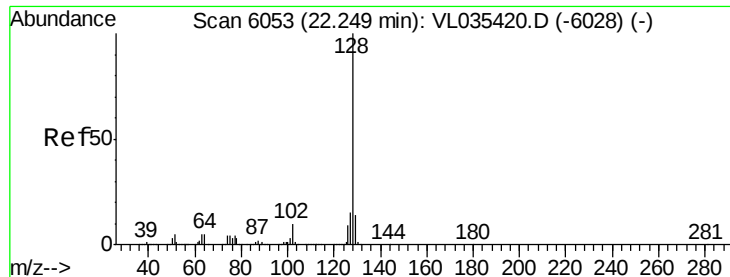
223 63.7 50.3 75.5

227 64.2 51.0 76.6



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





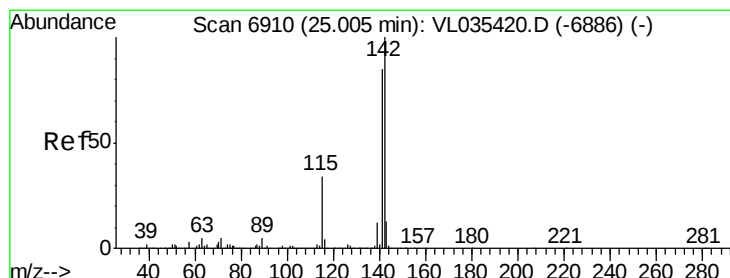
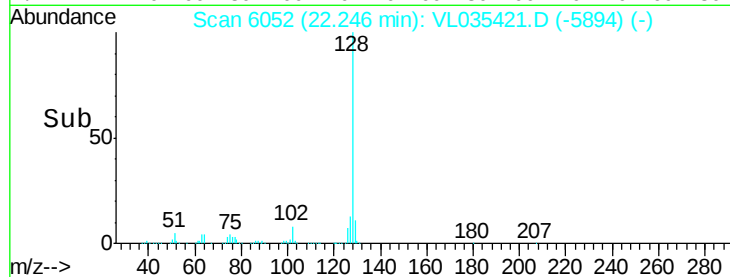
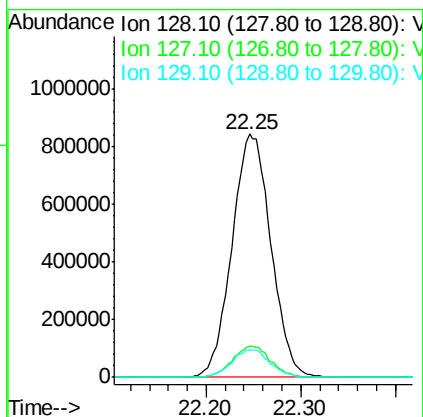
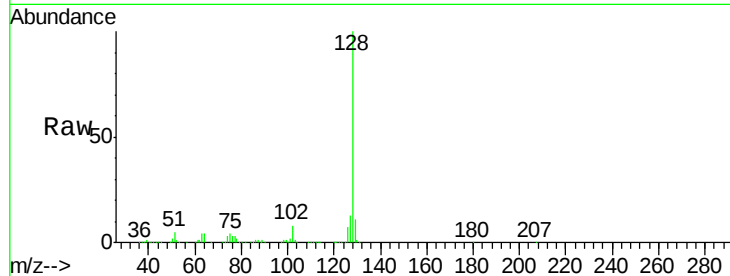
#79
Naphthalene
Concen: 2.348 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.4	17.0
129	11.3	9.5	14.3

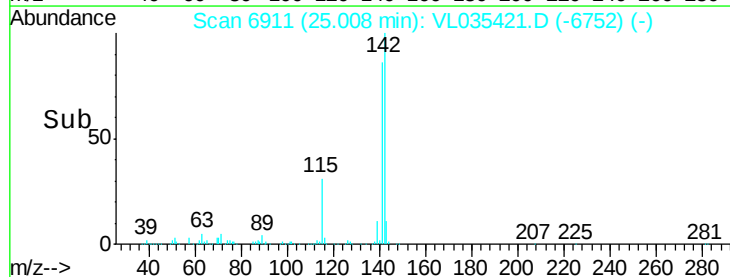
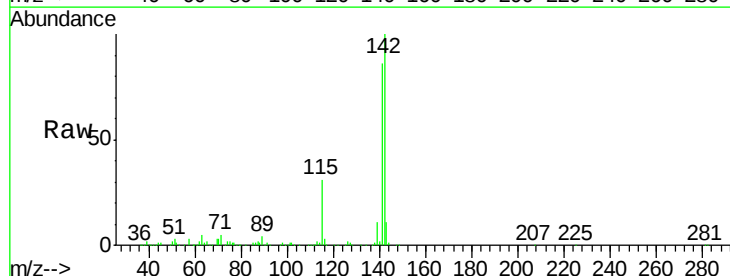
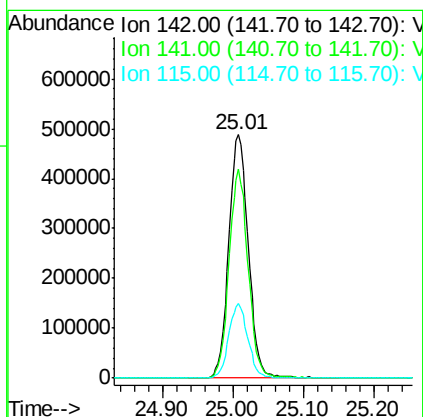
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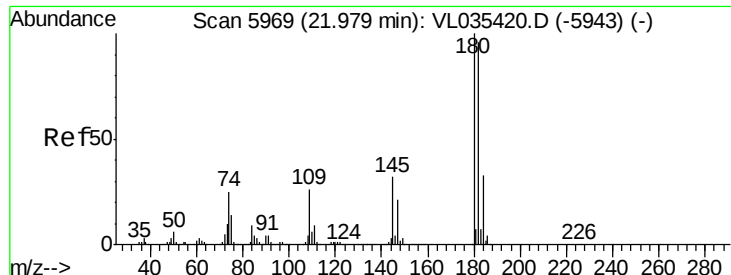
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#80
Naphthalene, 2-methyl-
Concen: 2.235 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.01 min
Lab File: VL035421.D
Acq: 17 Aug 2020 14:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.1	100.7
115	30.0	36.1	54.1#





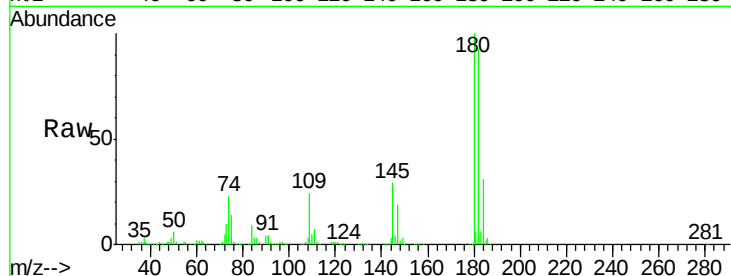
#81
 1,2,4-Trichlorobenzene
 Concen: 2.888 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. 0.01 min
 Lab File: VL035421.D
 Acq: 17 Aug 2020 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
184	31.0	24.8	37.2

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

