

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035508.D
 Acq On : 27 Aug 2020 4:06
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:17:30 PM

Quant Time: Aug 27 05:50:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1089304	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4709132	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4729757	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3430107	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	123122	0.618	ppbv	97
3) Chlorodifluoromethane	2.99	51	62073	0.505	ppbv	97
4) Chloromethane	3.14	50	32720	0.511	ppbv	91
5) Vinyl Chloride	3.26	62	37235	0.495	ppbv	94
6) Bromomethane	3.48	94	33743	0.489	ppbv	92
7) Chloroethane	3.56	64	14211	0.494	ppbv	90
8) Dichlorotetrafluoroethane	3.19	85	124739	0.527	ppbv	100
9) Propene	3.02	41	24197	0.506	ppbv	99
10) Heptane	8.15	43	59773	0.469	ppbv	96
11) Trichlorofluoromethane	3.96	101	143092	0.498	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	108691	0.507	ppbv	100
13) Ethanol	3.62	45	6379m	0.475	ppbv	
14) Bromoethene	3.74	108	42352	0.454	ppbv	95
15) Acetone	3.87	43	66121	0.566	ppbv	91
16) 1,3-Butadiene	3.33	39	21595	0.465	ppbv	99
17) tert-Butyl alcohol	4.31	59	71335	0.480	ppbv	100
18) 1,1-Dichloroethene	4.29	96	44180	0.465	ppbv	96
19) Isopropyl Alcohol	3.99	45	35221	0.466	ppbv #	93
20) Methylene Chloride	4.35	84	52617	0.422	ppbv	96
21) Allyl Chloride	4.42	41	26094	0.443	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	48366	0.482	ppbv	92
23) Vinyl Acetate	5.09	43	72137m	0.469	ppbv	
24) 1,1-Dichloroethane	5.02	63	80777	0.501	ppbv	99
25) Ethyl Acetate	5.70	43	108352m	0.490	ppbv	
26) Hexane	5.70	57	59885	0.445	ppbv	95
27) Carbon Disulfide	4.56	76	71352	0.399	ppbv	96
28) Methyl tert-Butyl Ether	5.06	73	97548	0.447	ppbv	99
29) Chloroform	5.76	83	124862	0.489	ppbv	93
30) Cyclohexane	7.15	84	56265	0.417	ppbv	95
31) cis-1,2-Dichloroethene	5.56	61	57460	0.452	ppbv	96
32) 1,1,1-Trichloroethane	6.53	97	108211	0.465	ppbv	99
34) 2-Butanone	5.27	43	66958	0.481	ppbv	98
35) Carbon Tetrachloride	7.04	117	107183	0.468	ppbv	98
36) Benzene	6.91	78	146814	0.474	ppbv	95
37) 1,2-Dichloroethane	6.32	62	74141	0.505	ppbv	98
38) Trichloroethene	7.85	130	79394	0.464	ppbv	97
39) 1,2-Dichloropropane	7.63	63	50839	0.490	ppbv	98
40) 1,4-Dioxane	7.89	88	22963m	0.449	ppbv	
41) Tetrahydrofuran	6.09	42	32849	0.435	ppbv	97
42) Bromodichloromethane	7.81	83	106238	0.443	ppbv #	91
43) Methyl Methacrylate	8.04	69	49791	0.415	ppbv	93

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	197189	0.486	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	42974m	0.350	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	58027	0.382	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	75143	0.485	ppbv	94
48) Dibromochloromethane	10.33	129	98064	0.398	ppbv	98
49) Bromoform	13.07	173	78375	0.344	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	91663	0.457	ppbv	97
51) 2-Hexanone	10.18	43	69698	0.424	ppbv #	94
52) Tetrachloroethene	11.25	164	86547m	0.481	ppbv	
53) Toluene	9.83	91	174869	0.446	ppbv	97
54) 1,2-Dibromoethane	10.64	107	114977	0.467	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	92653	0.469	ppbv #	1
57) Chlorobenzene	12.17	112	192050	0.546	ppbv #	92
58) Ethyl Benzene	12.74	91	234902	0.469	ppbv	94
59) m/p-Xylene	13.02	91	410211m	0.963	ppbv	
60) o-Xylene	13.72	91	202527	0.483	ppbv	100
61) Styrene	13.55	104	134247	0.416	ppbv	99
62) Isopropylbenzene	14.70	105	341202	0.503	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.71	83	156970	0.512	ppbv	99
64) n-propylbenzene	15.60	120	96635	0.468	ppbv #	67
65) tert-Butylbenzene	16.78	119	294548	0.457	ppbv	97
66) Benzyl Chloride	17.02	91	47555m	0.304	ppbv	
67) sec-Butylbenzene	17.33	105	407407	0.476	ppbv	93
69) p-Isopropyltoluene	17.69	119	352986	0.473	ppbv	92
70) n-Butylbenzene	18.59	91	341077	0.476	ppbv	93
71) 2-Chlorotoluene	15.49	91	233276	0.475	ppbv	96
72) 4-Ethyltoluene	15.88	105	244848	0.458	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	225026	0.455	ppbv	87
74) 1,2,4-Trimethylbenzene	16.80	105	268386	0.494	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	206207	0.507	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	197353	0.486	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	196660	0.491	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	121547	0.442	ppbv	98
79) Naphthalene	22.26	128	254034	0.376	ppbv #	91
80) Naphthalene, 2-methyl-	25.01	142	61673	0.232	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	165988	0.418	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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Tot Ion: 49 Resp: 1089304

Ion Ratio Lower Upper

49 100

128 99.3 50.0 150.1

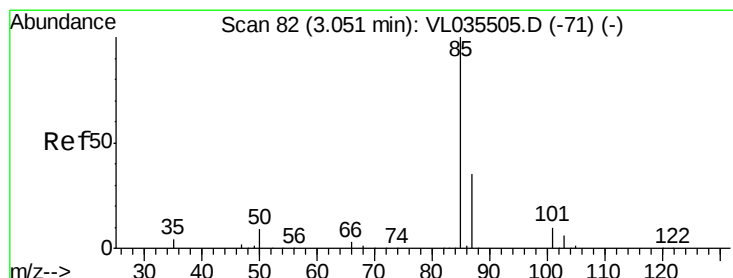
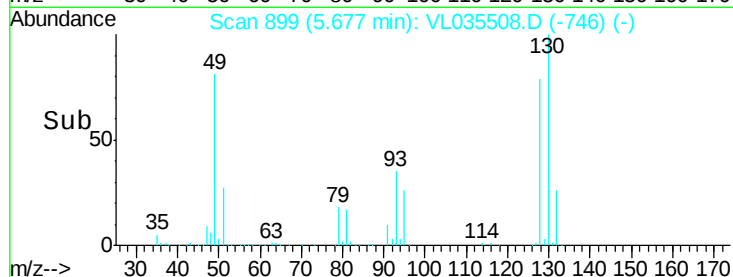
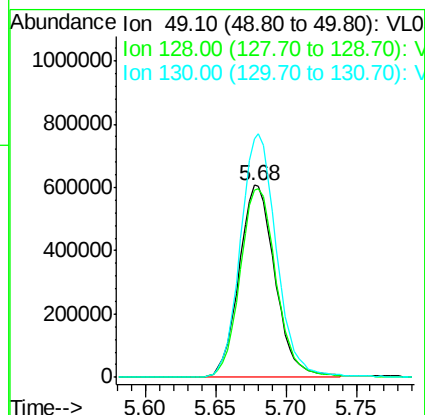
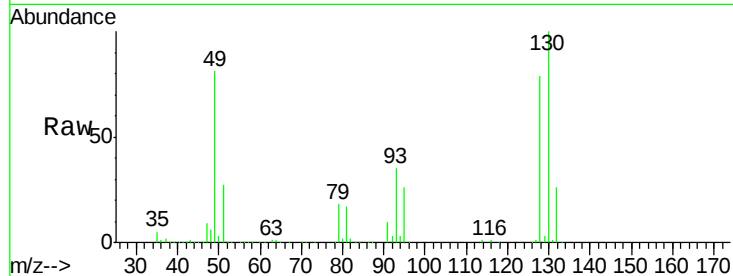
130 127.8 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 0.618 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL035508.D

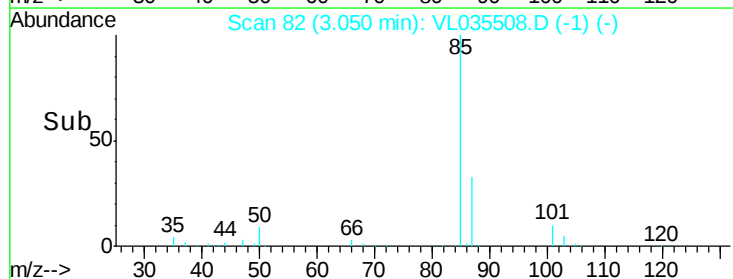
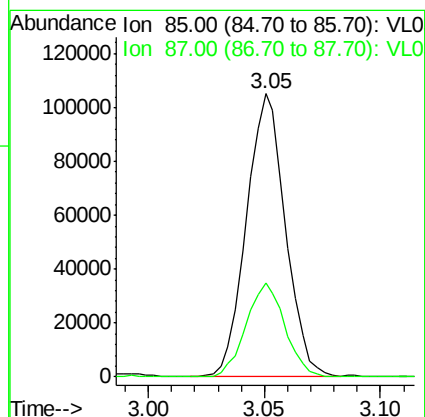
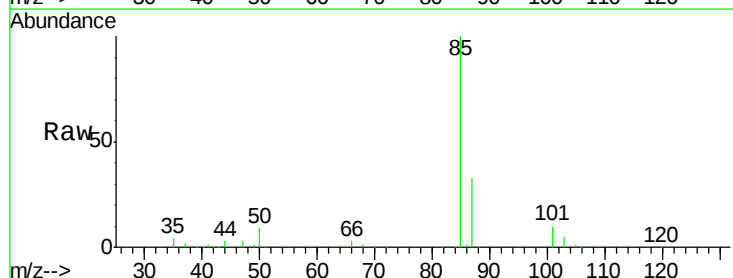
Acq: 27 Aug 2020 4:06

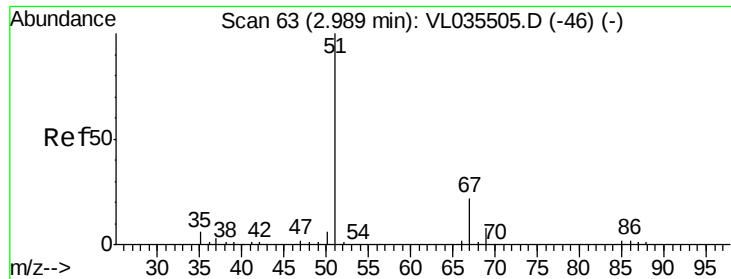
Tgt Ion: 85 Resp: 123122

Ion Ratio Lower Upper

85 100

87 33.3 28.0 42.0





#3

Chlorodifluoromethane

Concen: 0.505 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 62073

Ion Ratio Lower Upper

51 100

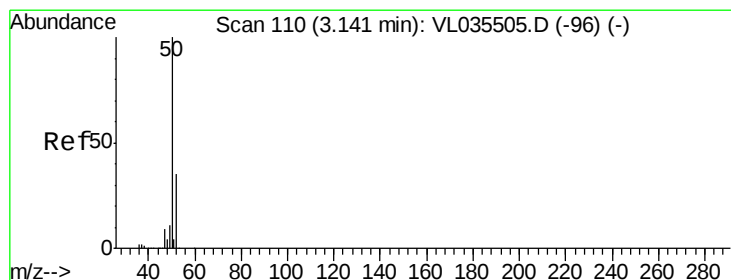
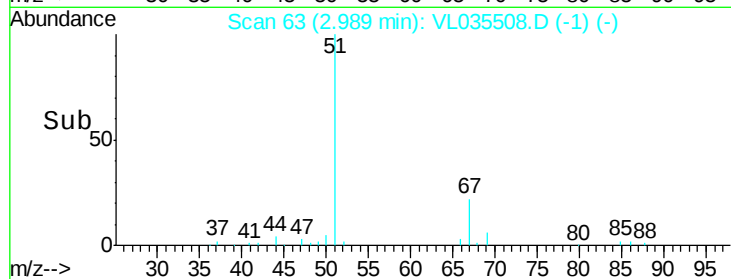
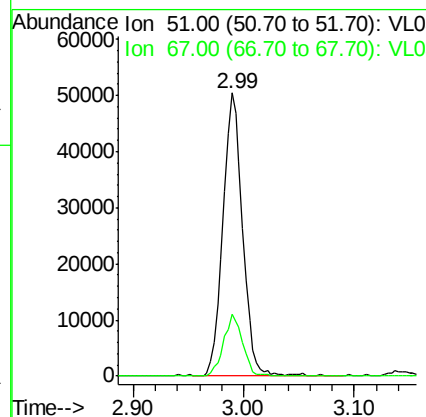
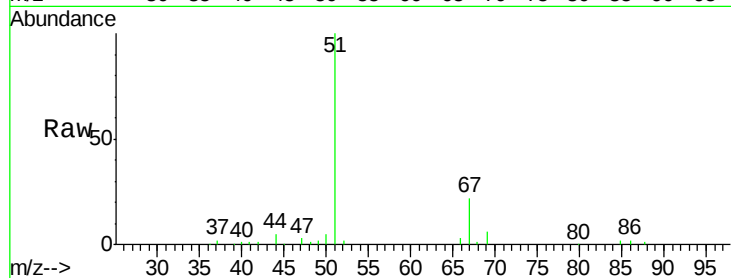
67 21.0 17.8 26.8

Manual Integrations

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#4

Chloromethane

Concen: 0.511 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035508.D

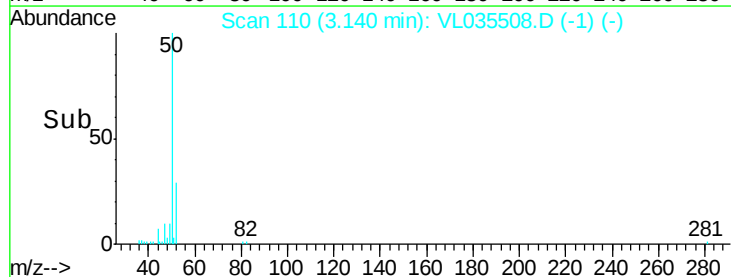
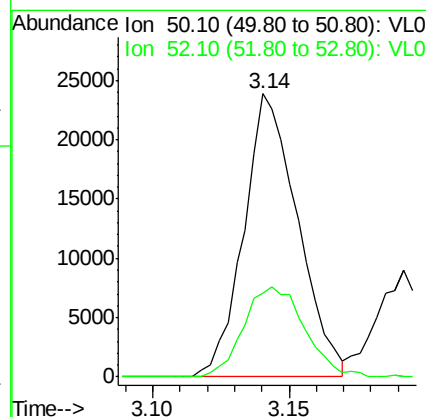
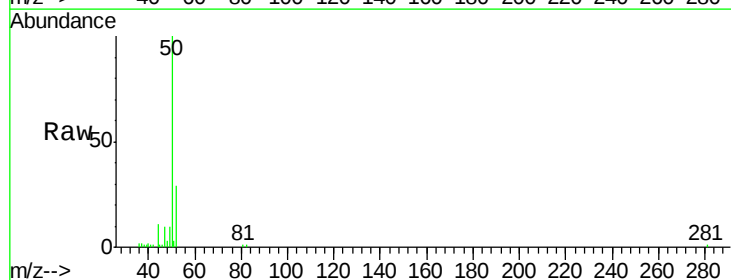
Acq: 27 Aug 2020 4:06

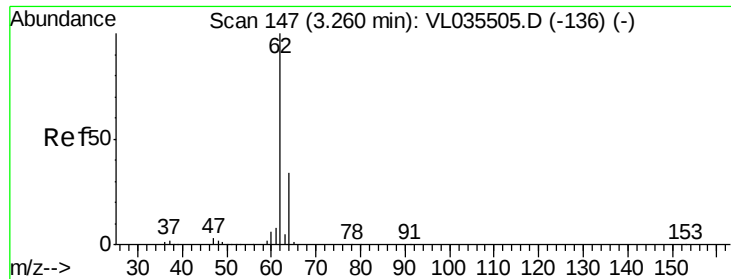
Tgt Ion: 50 Resp: 32720

Ion Ratio Lower Upper

50 100

52 29.4 27.7 41.5





#5

Vinyl Chloride

Concen: 0.495 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 37235

Ion Ratio Lower Upper

62 100

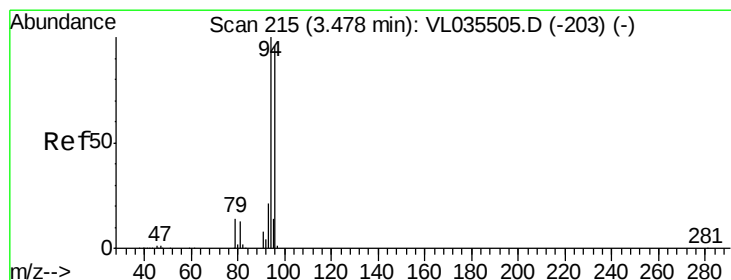
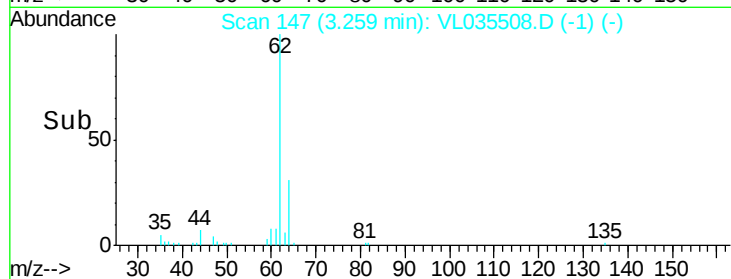
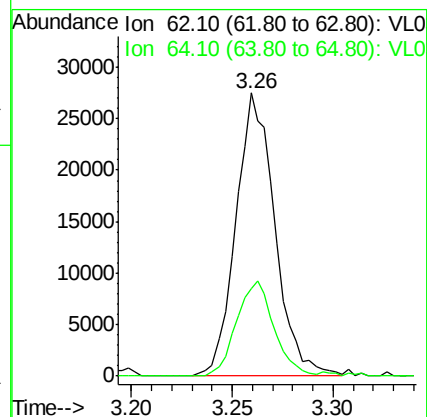
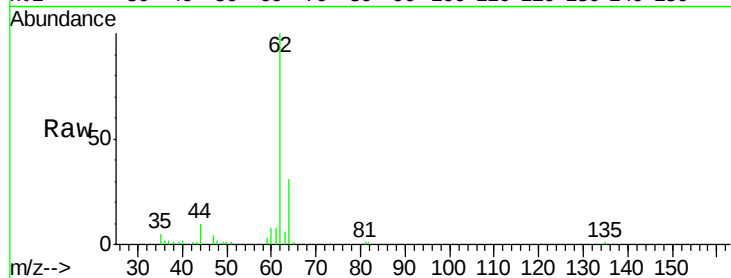
64 30.7 27.4 41.2

Manual Integrations

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#6

Bromomethane

Concen: 0.489 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035508.D

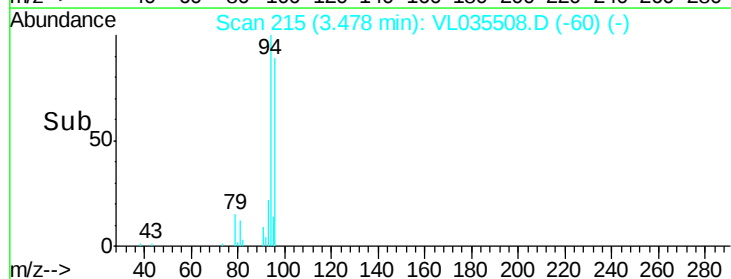
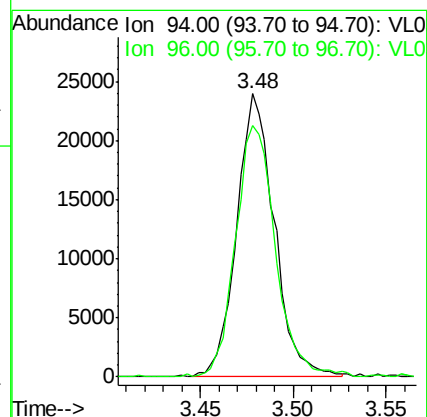
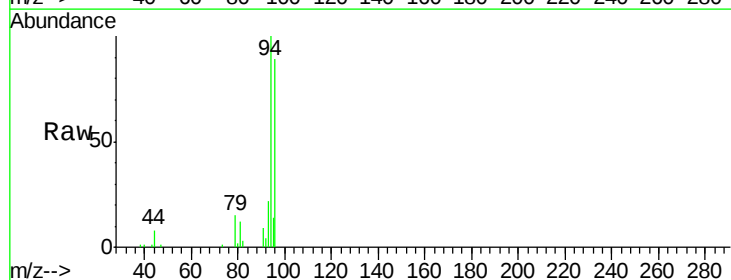
Acq: 27 Aug 2020 4:06

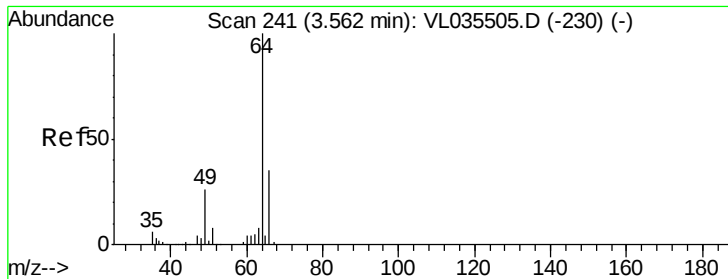
Tgt Ion: 94 Resp: 33743

Ion Ratio Lower Upper

94 100

96 88.8 77.1 115.7





#7

Chloroethane

Concen: 0.494 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 14211

Ion Ratio Lower Upper

64 100

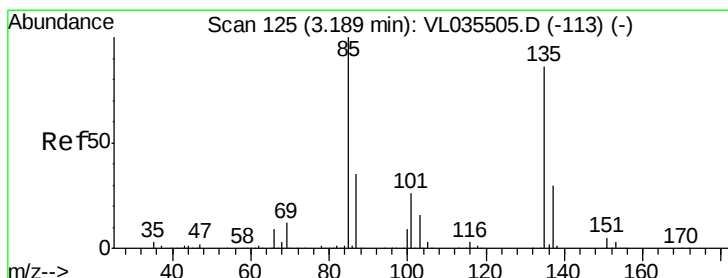
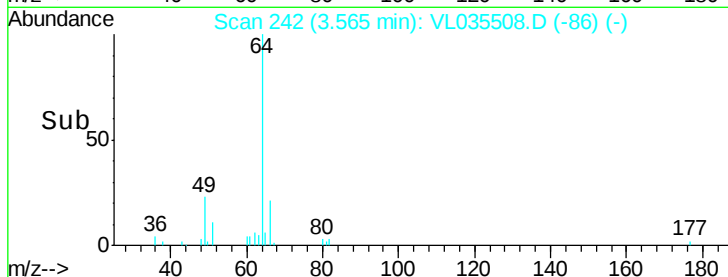
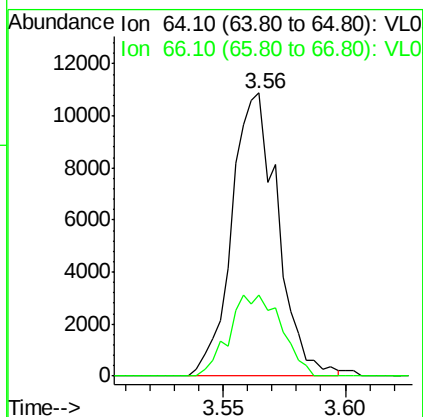
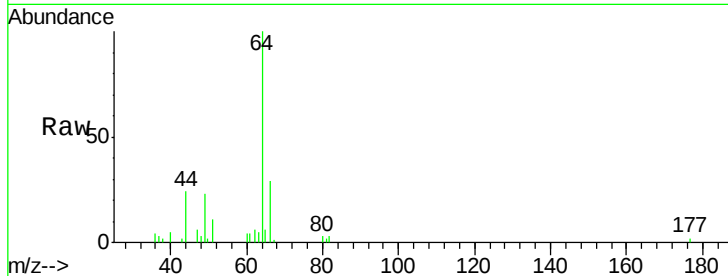
66 28.7 27.7 41.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.527 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035508.D

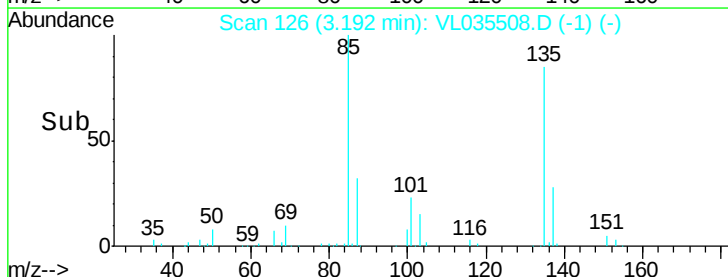
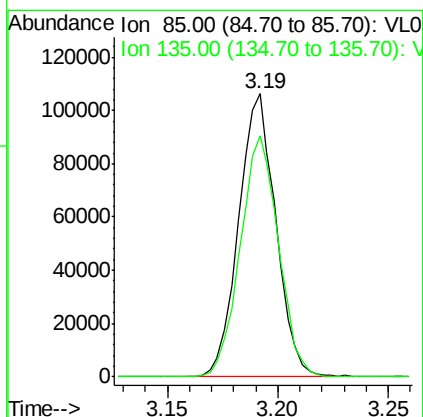
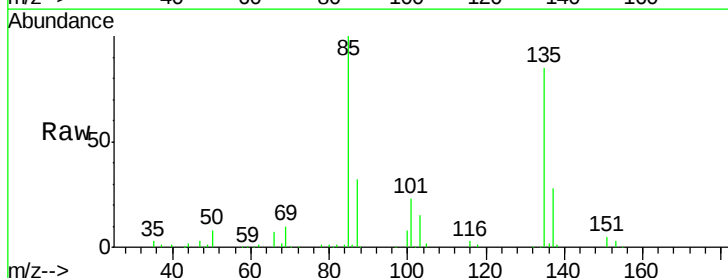
Acq: 27 Aug 2020 4:06

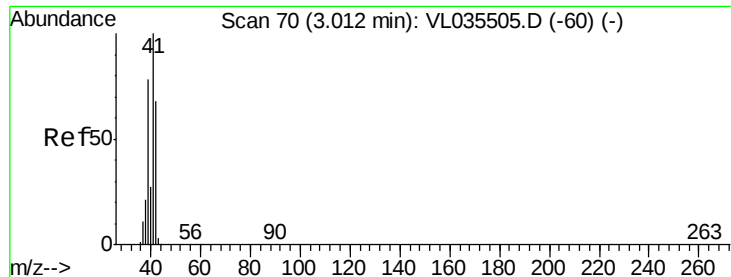
Tgt Ion: 85 Resp: 124739

Ion Ratio Lower Upper

85 100

135 87.6 70.4 105.6





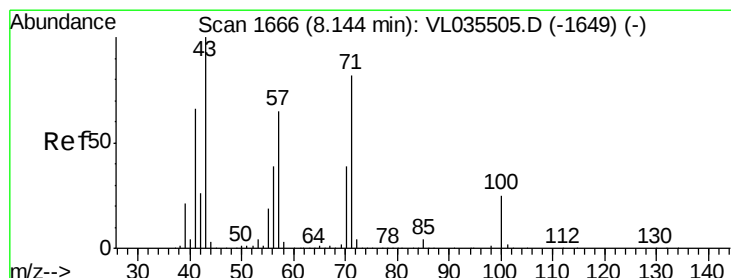
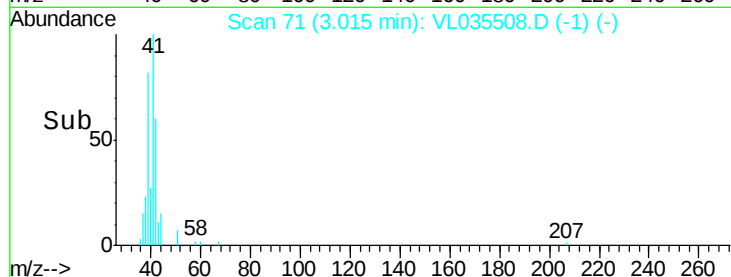
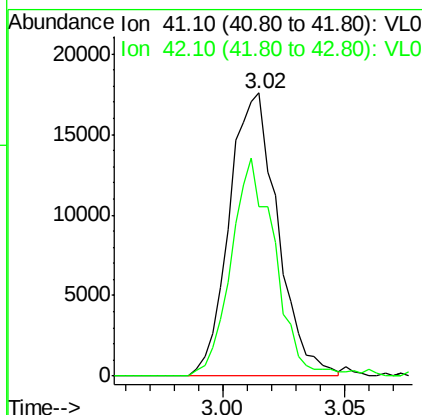
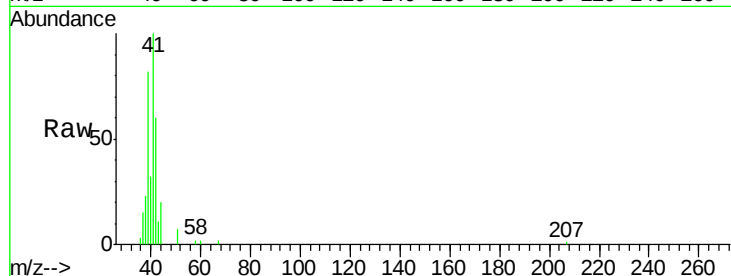
#9
 Propene
 Concen: 0.506 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 41 Resp: 24197
 Ion Ratio Lower Upper
 41 100
 42 71.1 56.3 84.5

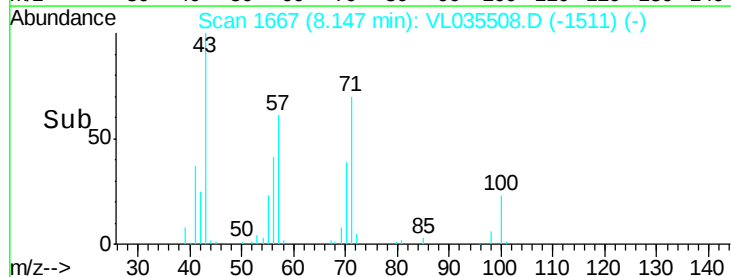
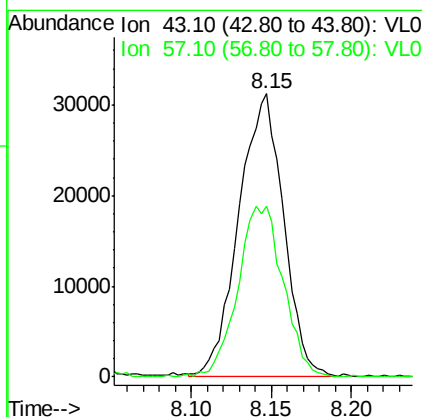
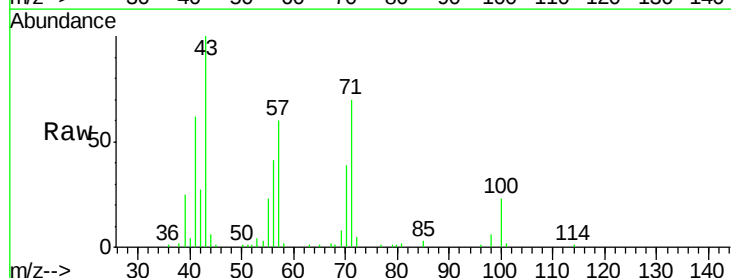
Manual Integrations
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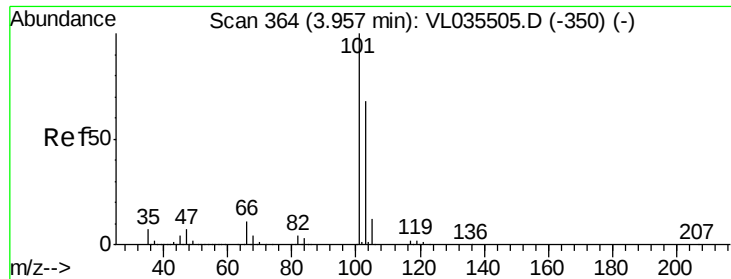
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#10
 Heptane
 Concen: 0.469 ppbv
 RT: 8.15 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion: 43 Resp: 59773
 Ion Ratio Lower Upper
 43 100
 57 61.0 51.4 77.0





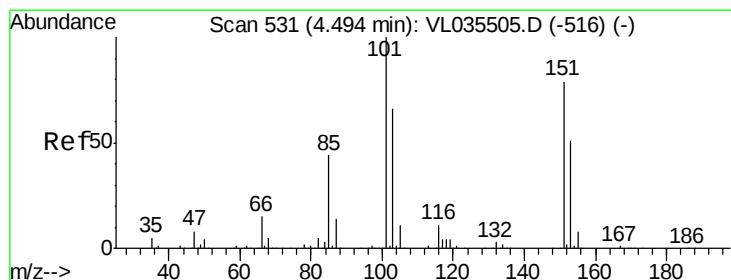
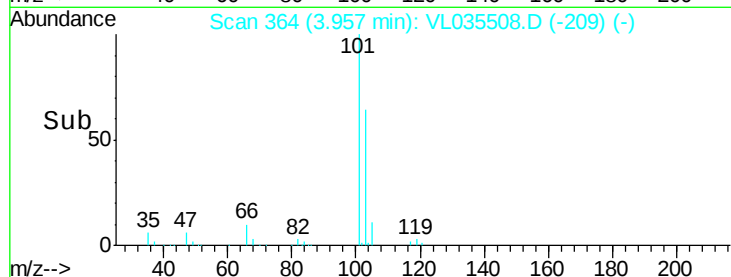
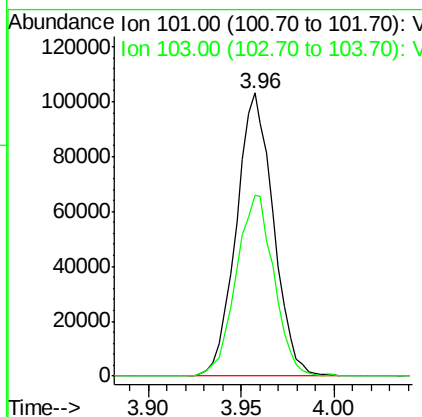
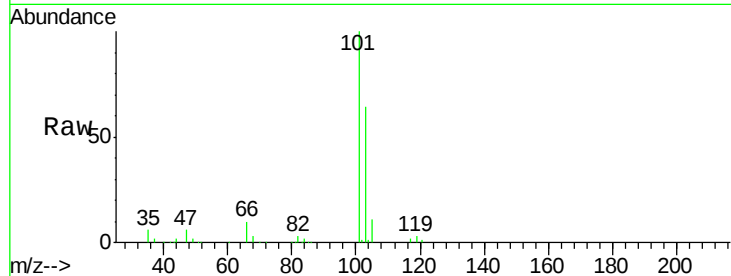
#11
 Trichlorofluoromethane
 Concen: 0.498 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	54.5	81.7

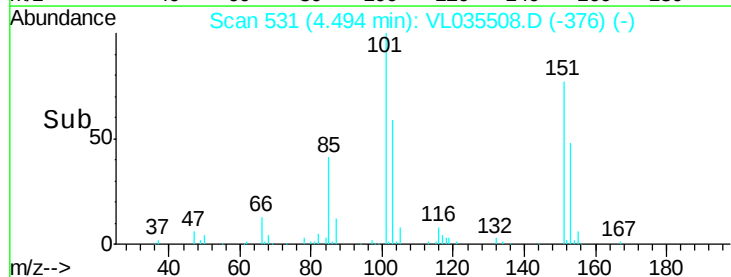
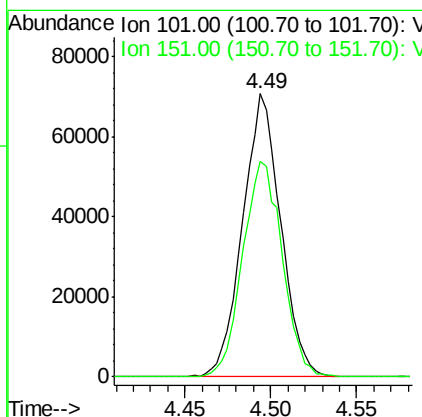
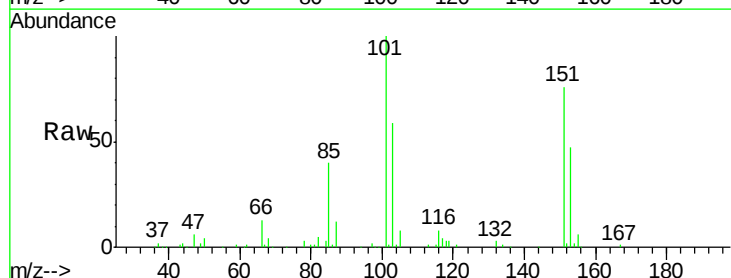
Manual Integrations
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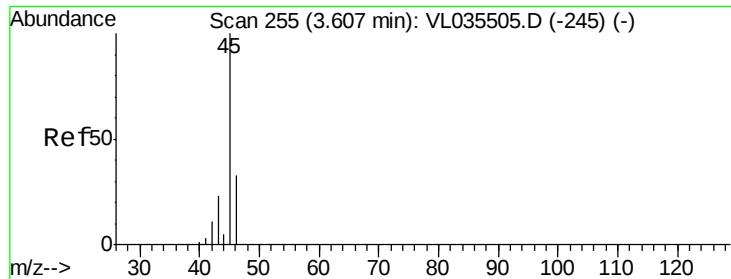
MMDadoda
 8/28/2020 3:17:30 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.507 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Lower	Upper
101	100		
151	79.0	63.5	95.3





#13

Ethanol

Concen: 0.475 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 6379

Ion Ratio Lower Upper

45 100

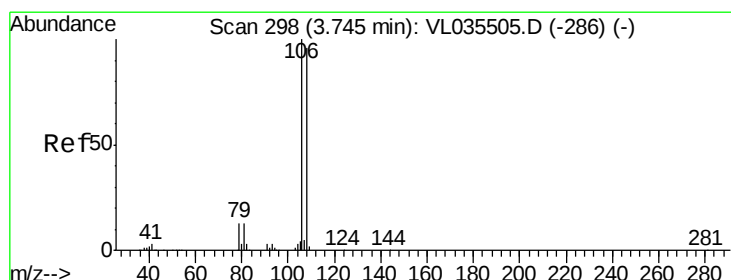
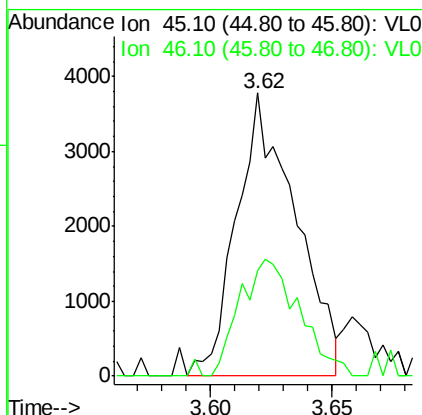
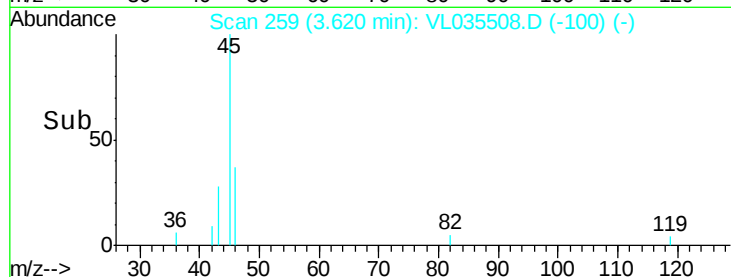
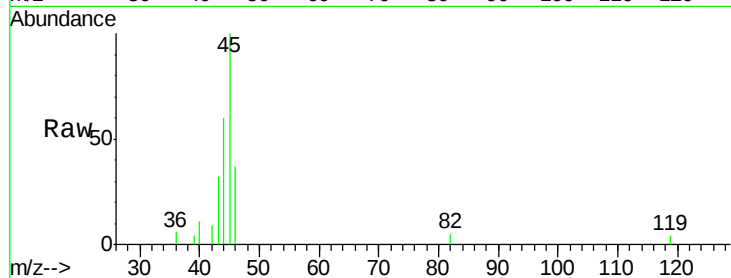
46 0.0 15.2 60.6#

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#14

Bromoethene

Concen: 0.454 ppbv

RT: 3.74 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

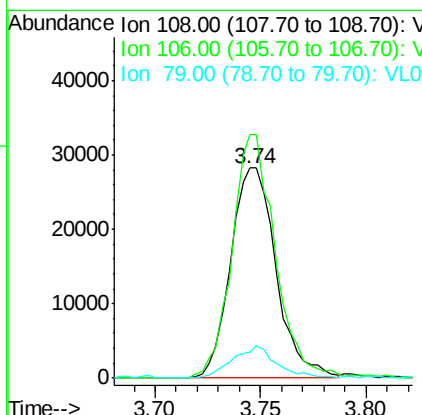
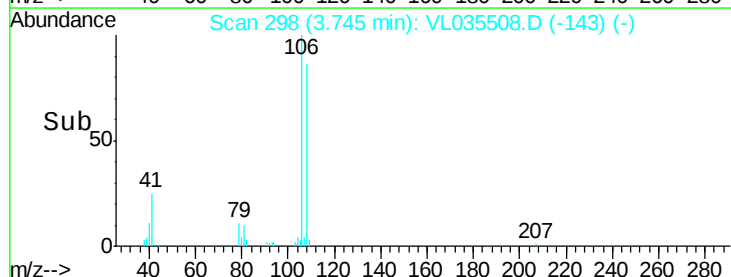
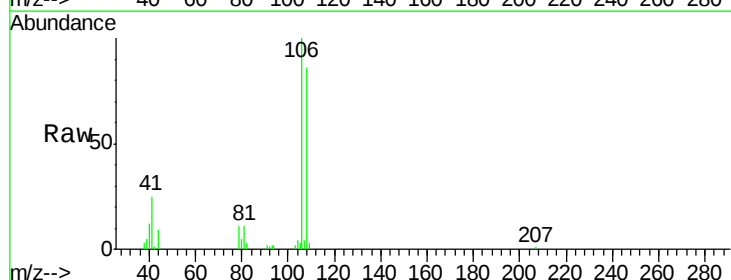
Tgt Ion: 108 Resp: 42352

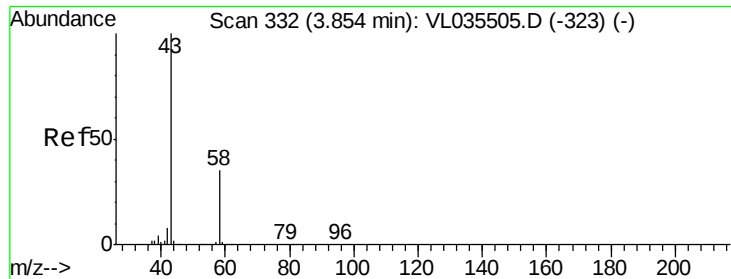
Ion Ratio Lower Upper

108 100

106 111.1 84.9 127.3

79 15.1 10.8 16.2





#15

Acetone

Concen: 0.566 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 66121

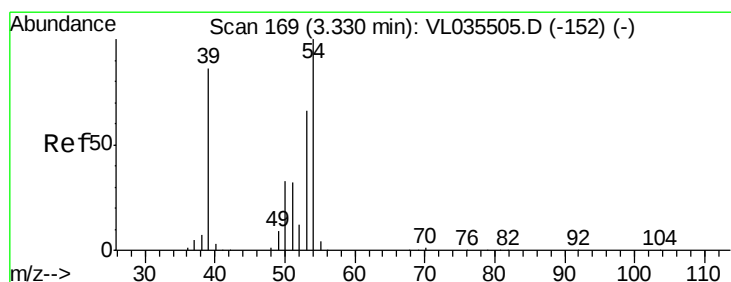
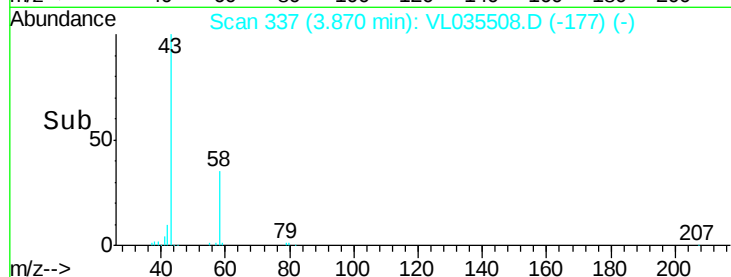
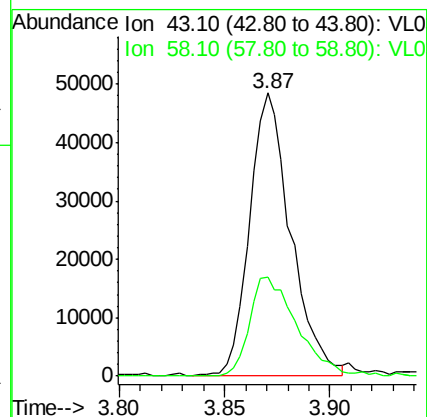
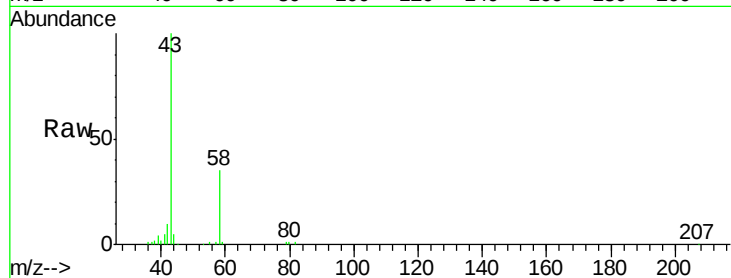
Ion Ratio Lower Upper

43 100

58 40.5 28.4 42.6

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#16

1,3-Butadiene

Concen: 0.465 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035508.D

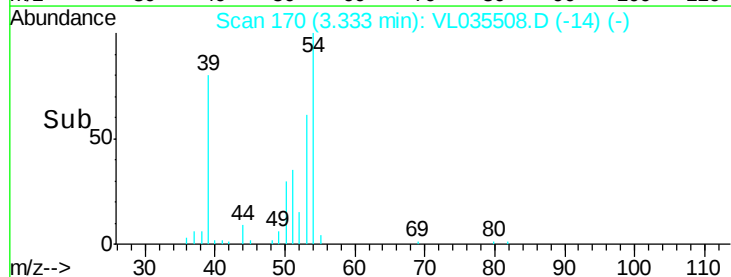
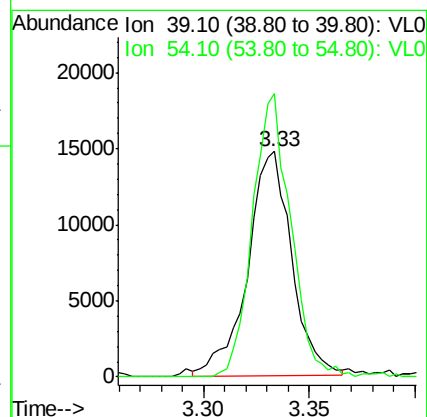
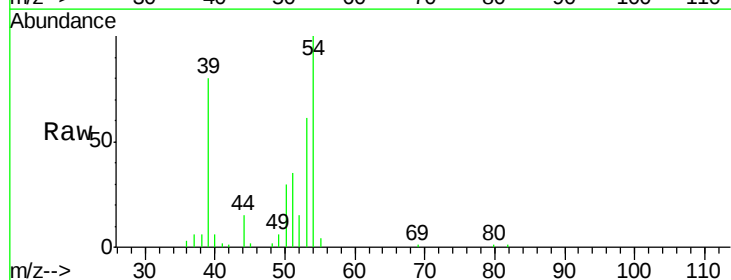
Acq: 27 Aug 2020 4:06

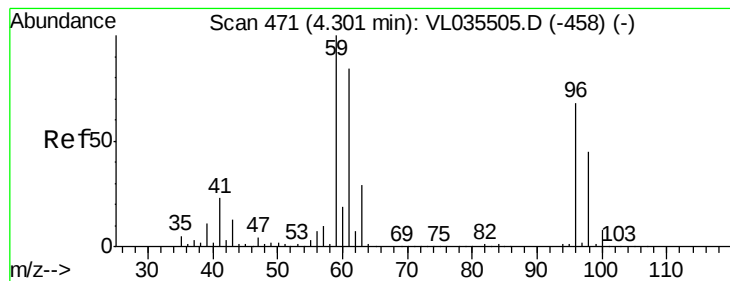
Tgt Ion: 39 Resp: 21595

Ion Ratio Lower Upper

39 100

54 109.3 88.4 132.6





#17

tert-Butyl alcohol

Concen: 0.480 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 71335

Ion Ratio Lower Upper

59 100

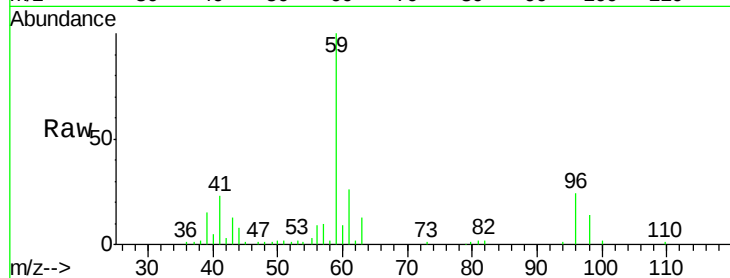
57 10.4 8.4 12.6

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

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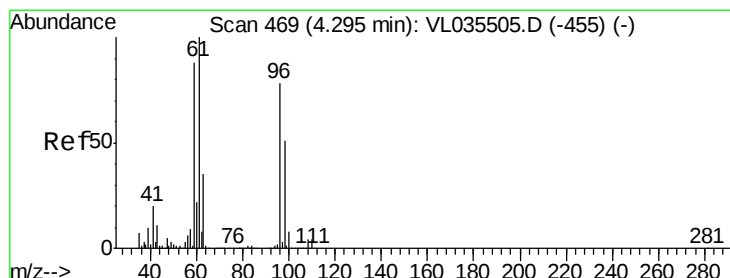
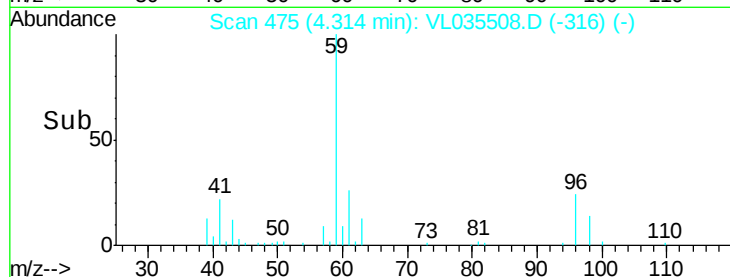
4.31

4.31

4.31

4.31

4.31



#18

1,1-Dichloroethene

Concen: 0.465 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

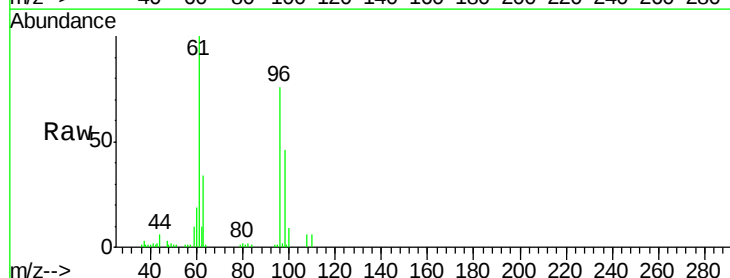
Tgt Ion: 96 Resp: 44180

Ion Ratio Lower Upper

96 100

61 131.4 103.0 154.6

98 60.6 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

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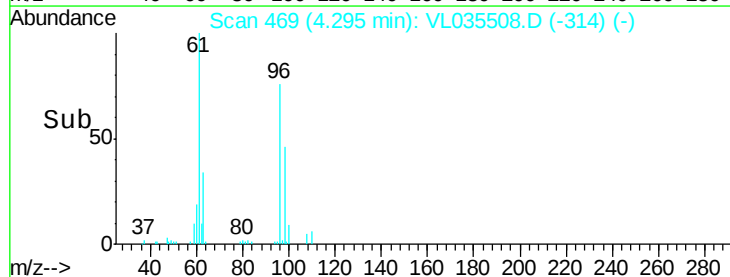
4.29

4.29

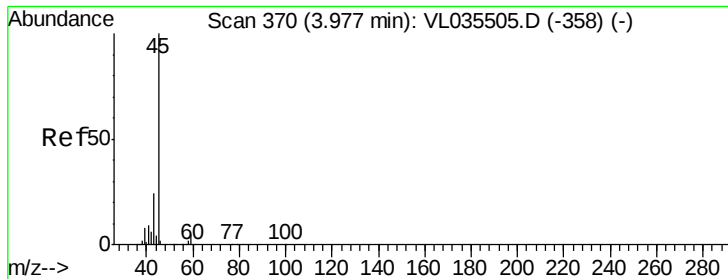
4.29

4.29

4.29



Time-->



#19

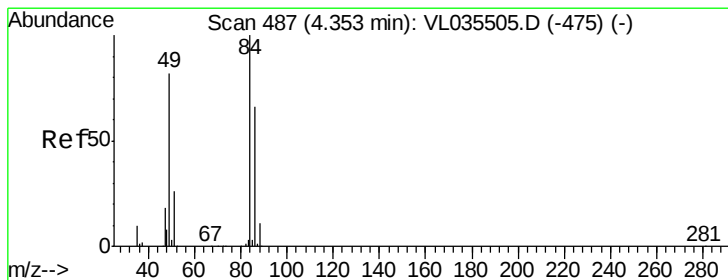
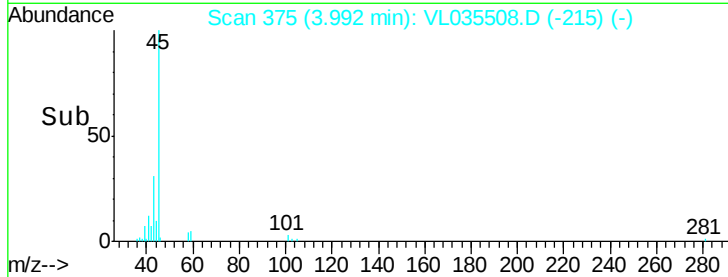
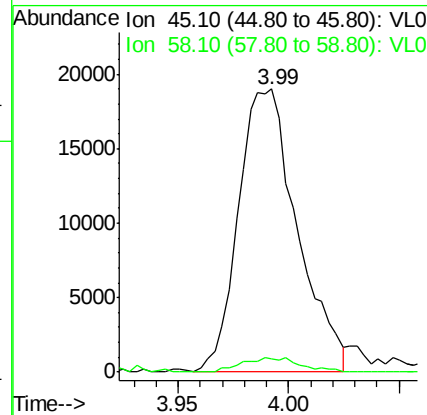
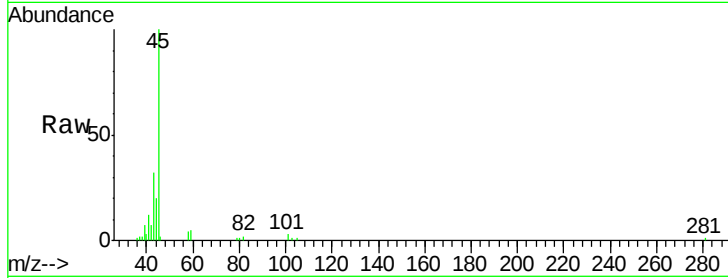
Isopropyl Alcohol
 Concen: 0.466 ppbv
 RT: 3.99 min Scan# 375
 Delta R.T. 0.02 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
58	5.0	2.0	3.0#

Manual Integrations
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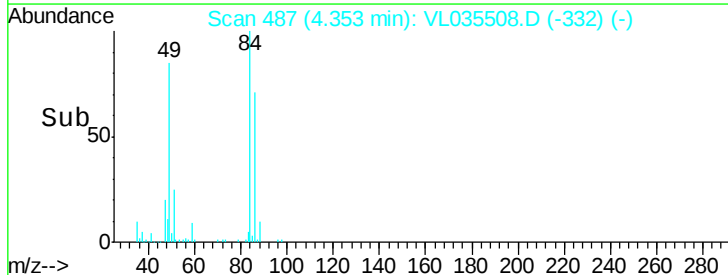
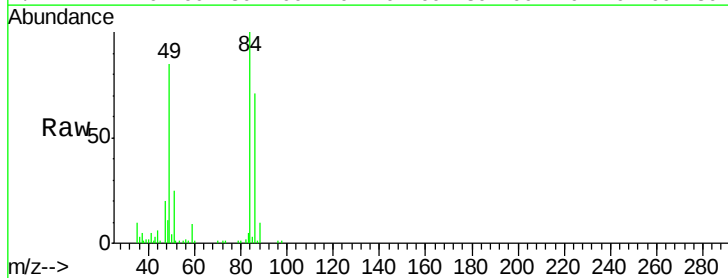
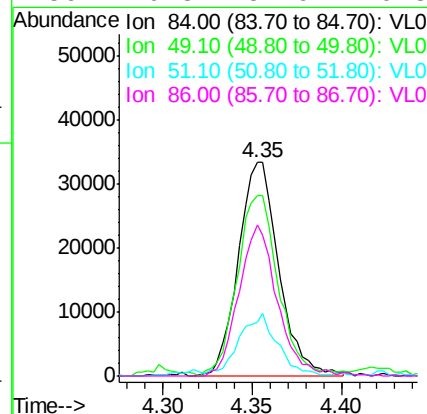
MMDadoda
 8/28/2020 3:17:30 PM

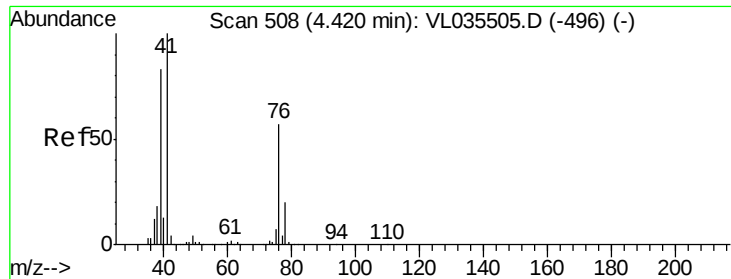


#20

Methylene Chloride
 Concen: 0.422 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	83.5	65.4	98.0
51	23.7	21.5	32.3
86	70.8	52.9	79.3





#21

Allvl Chloride

Concen: 0.443 ppbv

RT: 4.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

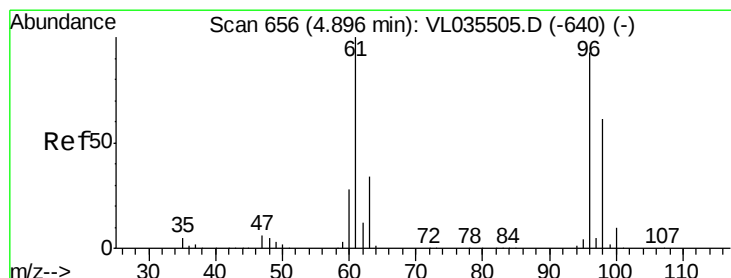
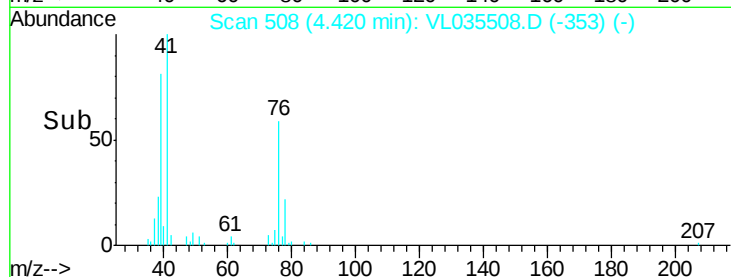
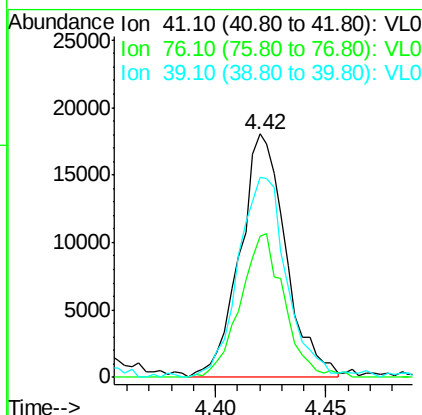
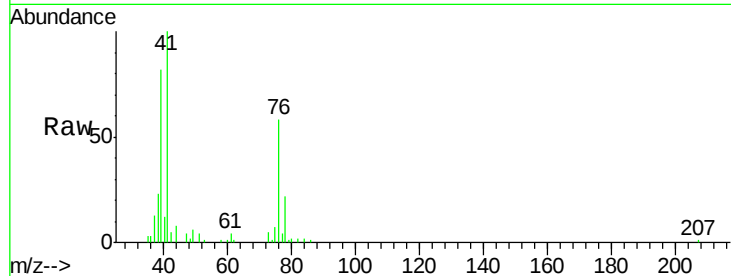
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	26094
Ion	Ratio	Lower	Upper
41	100		
76	56.8	46.2	69.2
39	88.4	67.8	101.6

Manual Integrations
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MMDadoda
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#22

trans-1,2-Dichloroethene

Concen: 0.482 ppbv

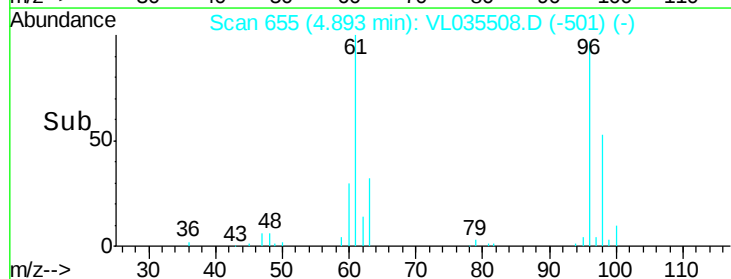
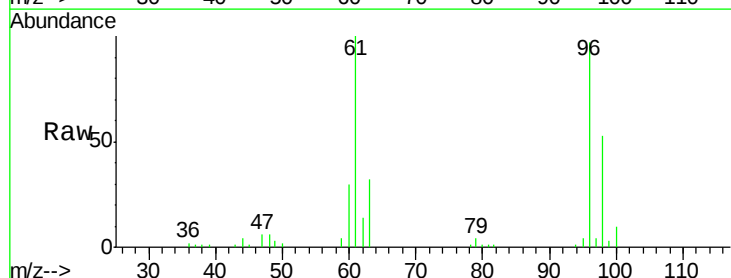
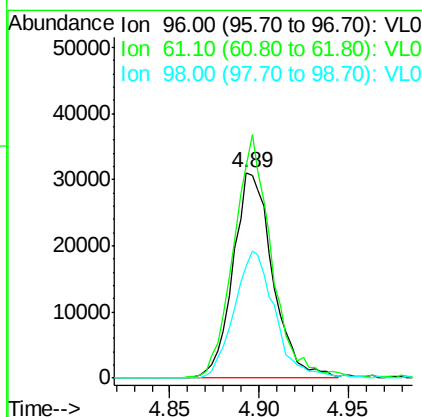
RT: 4.89 min Scan# 655

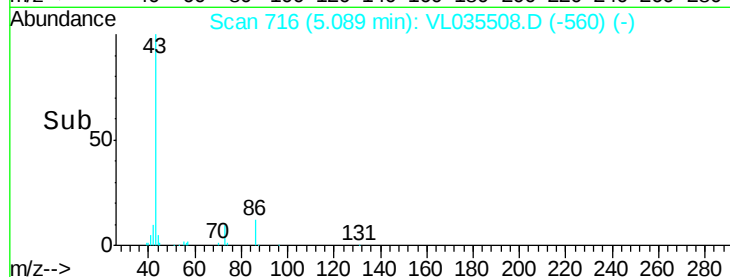
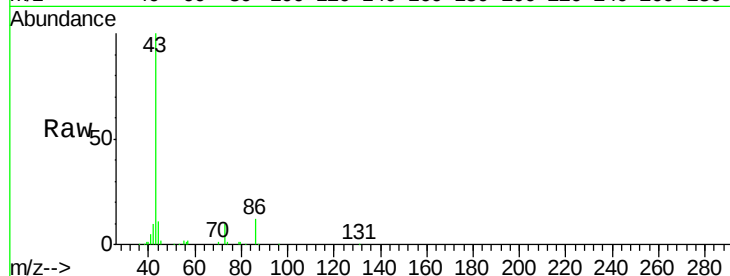
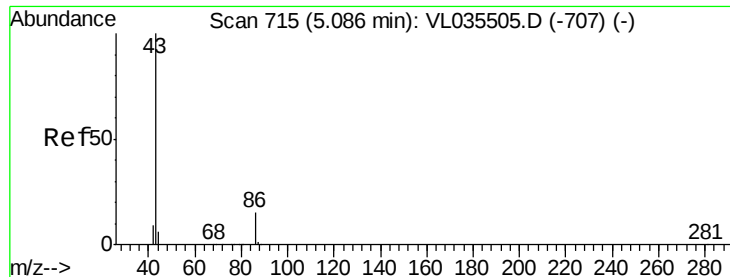
Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:	96	Resp:	48366
Ion	Ratio	Lower	Upper
96	100		
61	102.4	86.0	129.0
98	54.5	52.3	78.5





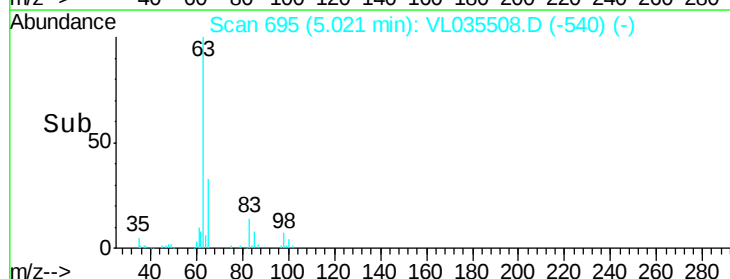
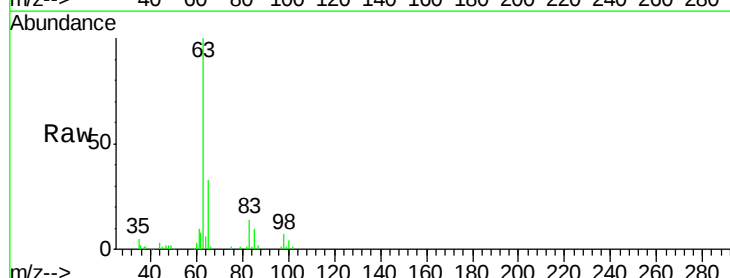
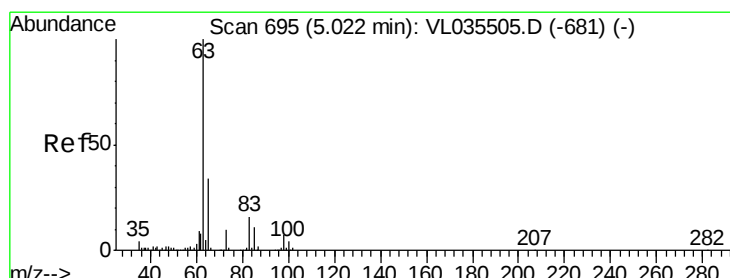
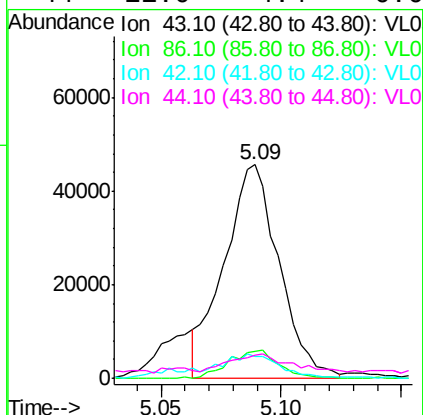
#23
 Vinyl Acetate
 Concen: 0.469 ppbv m
 RT: 5.09 min Scan# 716
 Delta R.T. 0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		72137		
86	12.4	10.6	16.0		
42	10.4	7.5	11.3		
44	11.0	4.4	6.6		

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

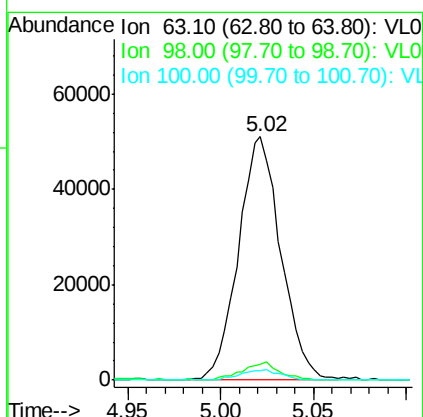
Manual Integrations
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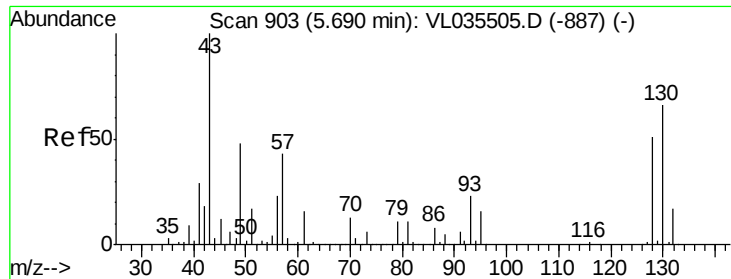
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 0.501 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		80777		
98	6.5	3.4	10.1		
100	3.7	2.1	6.5		





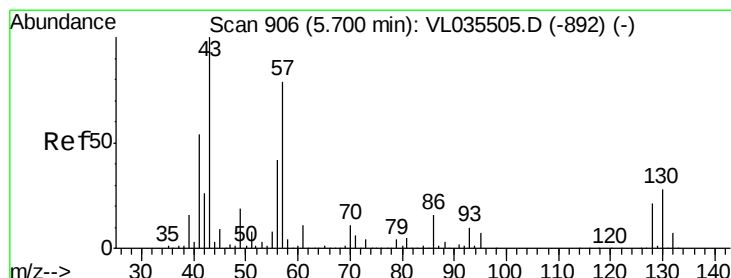
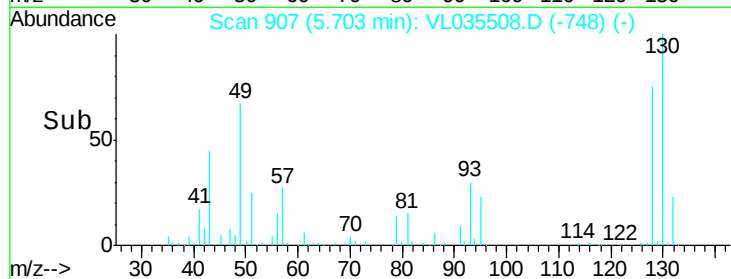
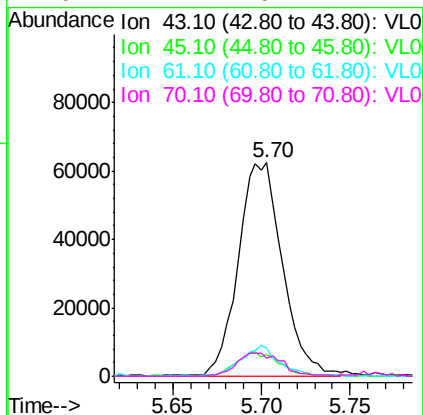
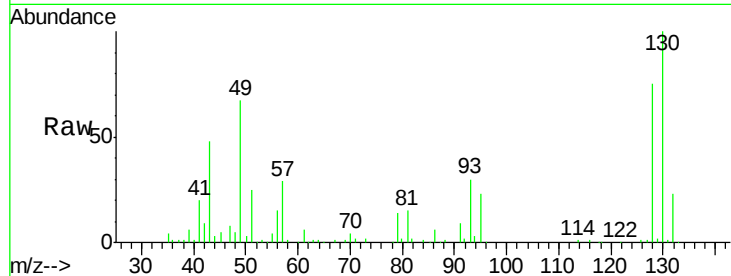
#25
Ethyl Acetate
Concen: 0.490 ppbv m
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	0.0		8.4	12.6	#
61	12.9		10.6	16.0	
70	11.1		9.4	14.2	

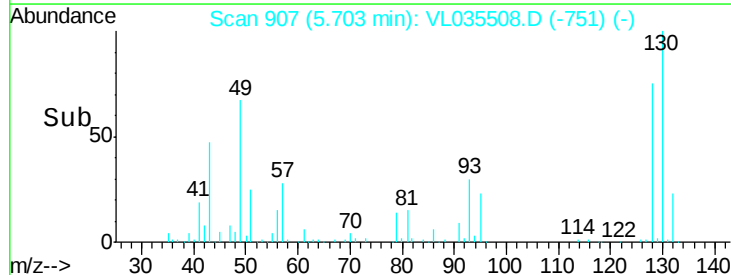
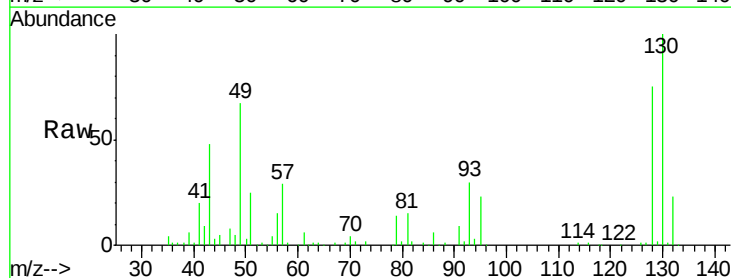
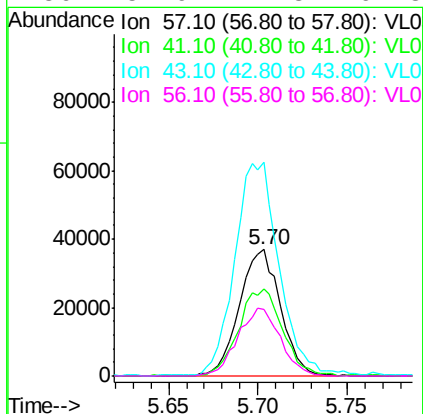
Manual Integrations
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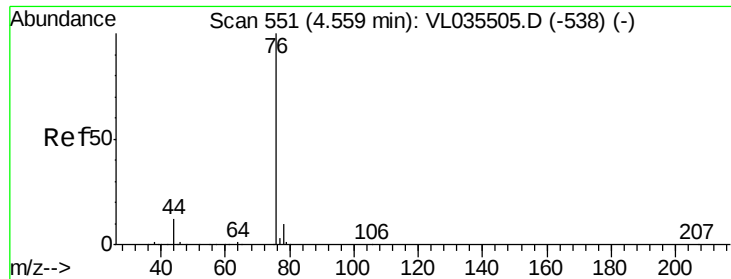
MMDadoda
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#26
Hexane
Concen: 0.445 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	73.8		55.9	83.9	
43	183.8		141.8	212.8	
56	54.9		41.8	62.8	





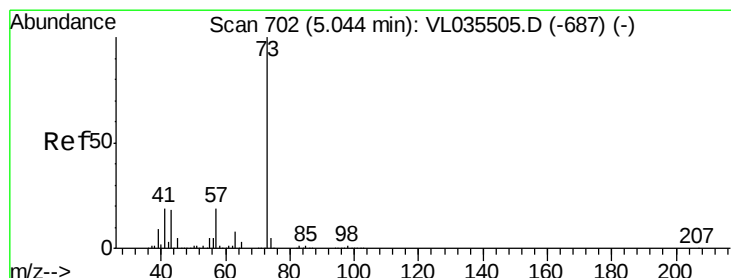
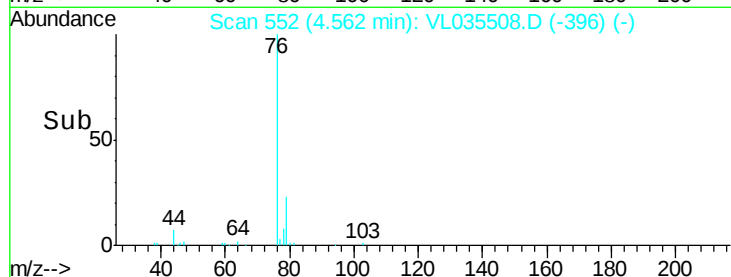
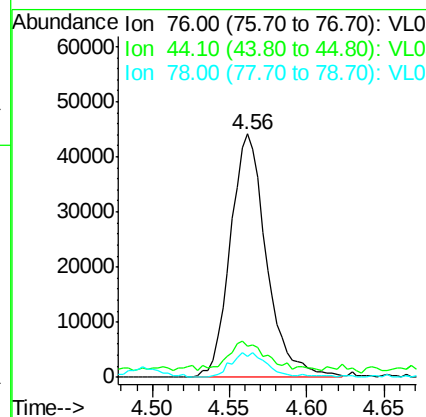
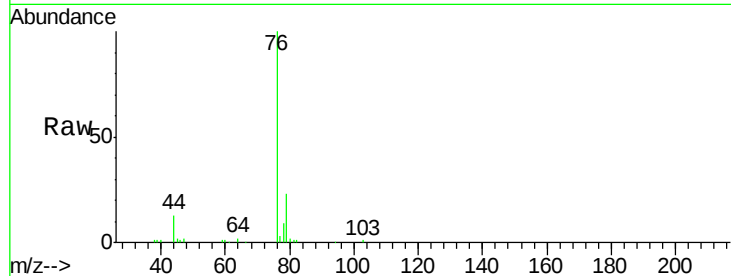
#27
Carbon Disulfide
Concen: 0.399 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	13.3	9.3	13.9
78	10.9	7.8	11.6

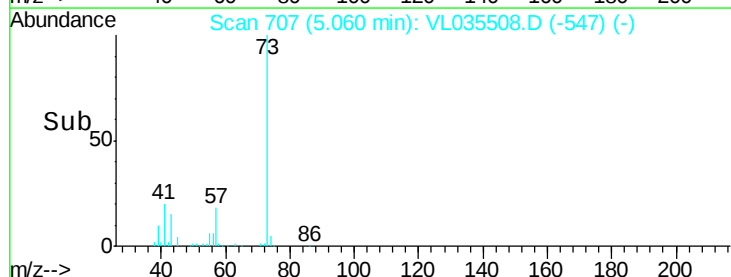
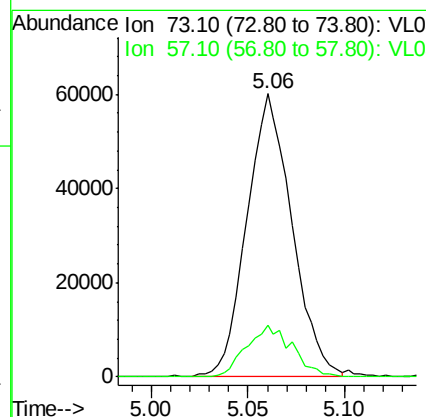
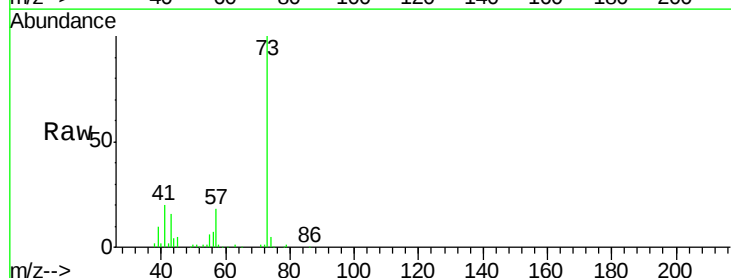
Manual Integrations
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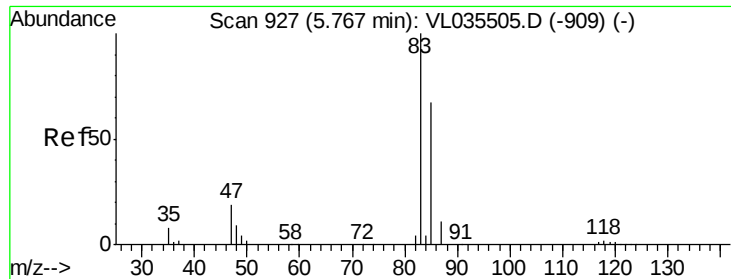
MMDadoda
8/28/2020 3:17:30 PM



#28
Methyl tert-Butyl Ether
Concen: 0.447 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.02 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.2	22.8





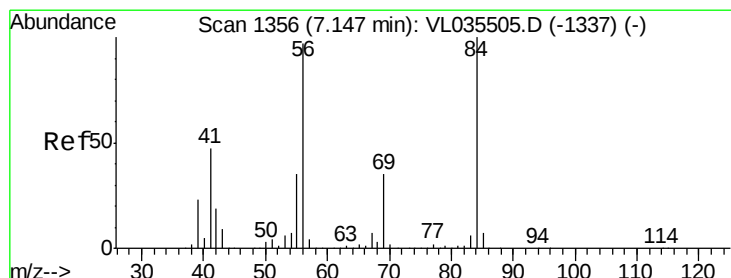
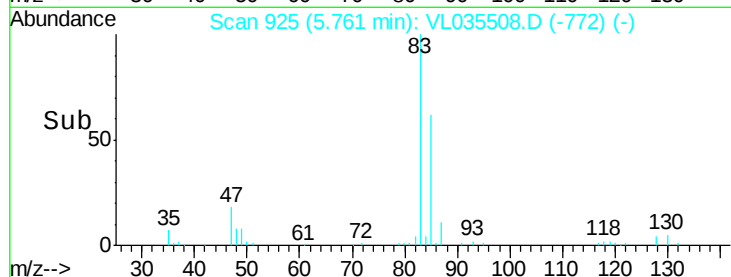
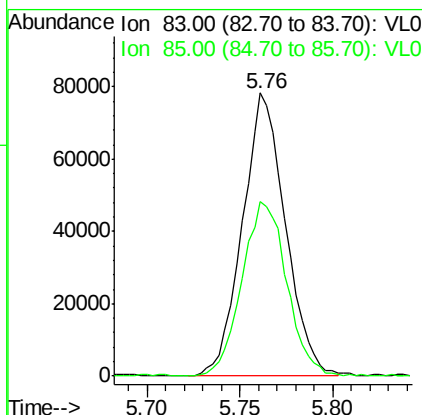
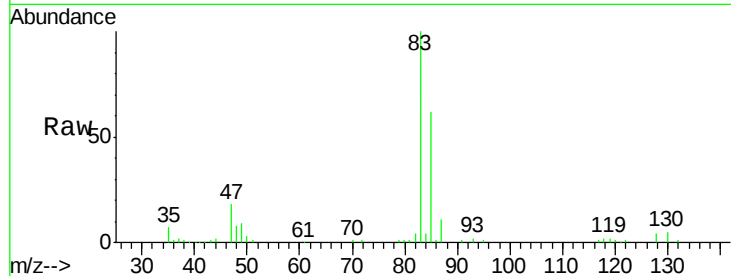
#29
Chloroform
Concen: 0.489 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	124862
Ion Ratio	100	Lower	Upper
85	62.0	53.9	80.9

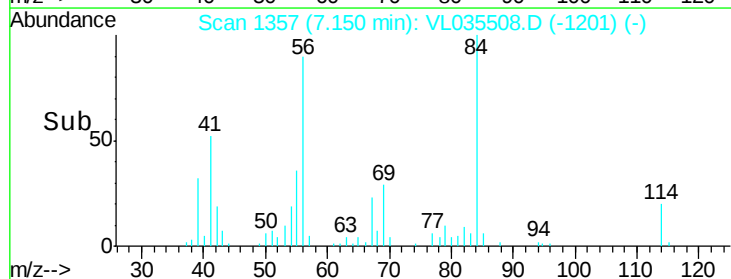
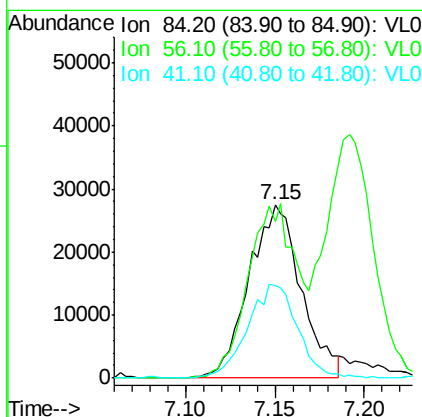
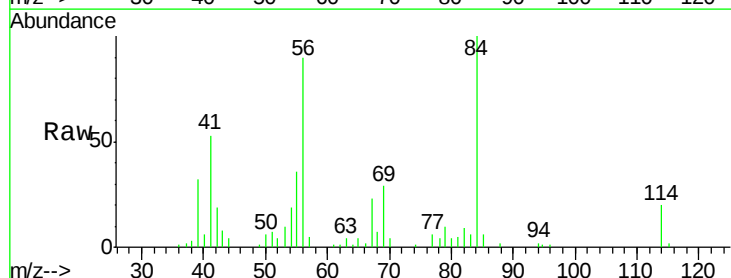
Manual Integrations
APPROVED

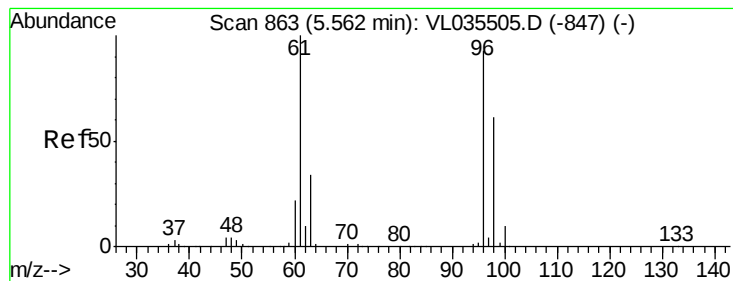
MMDadoda
8/28/2020 3:17:30 PM



#30
Cyclohexane
Concen: 0.417 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion	84	Resp	56265
Ion Ratio	100	Lower	Upper
56	95.1	80.1	120.1
41	51.8	38.1	57.1





#31

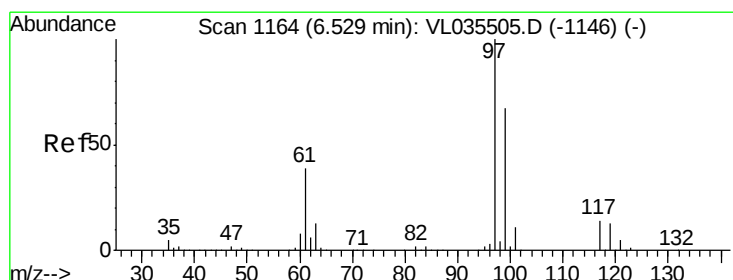
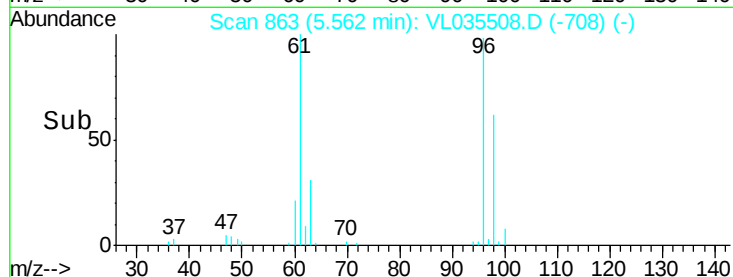
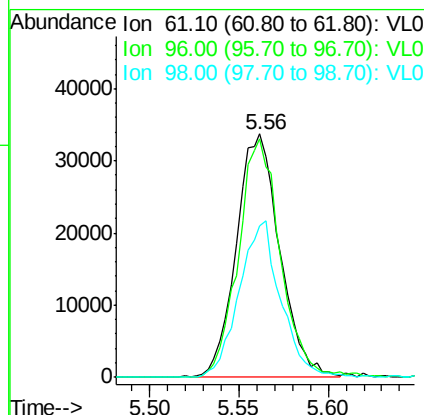
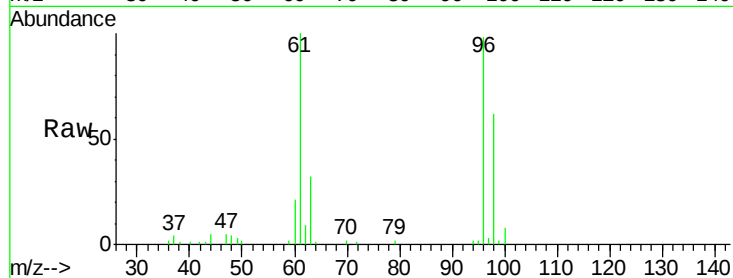
cis-1,2-Dichloroethene
 Concen: 0.452 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100	57460		
96	98.2	74.4	111.6	
98	62.5	49.2	73.8	

Manual Integrations
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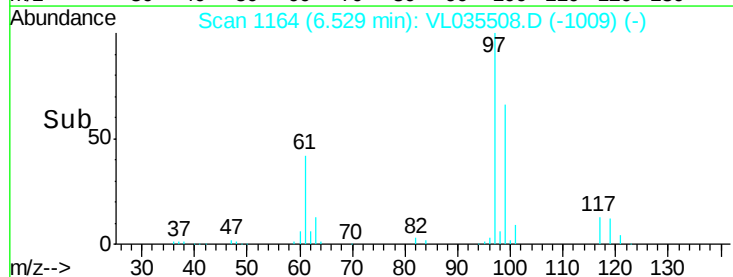
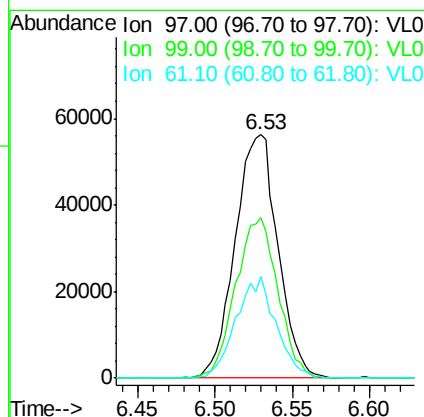
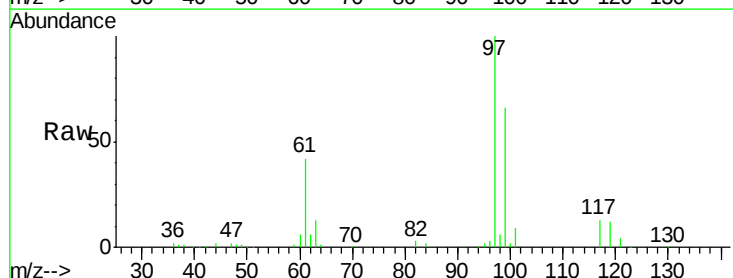
MMDadoda
 8/28/2020 3:17:30 PM

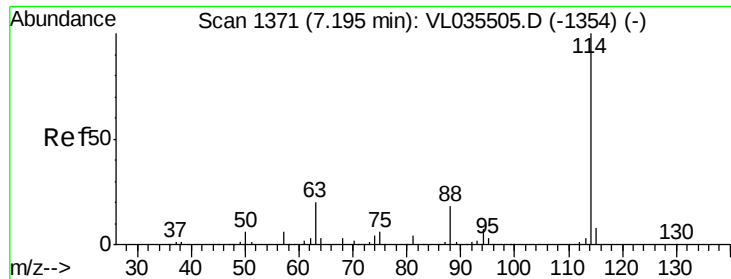


#32

1,1,1-Trichloroethane
 Concen: 0.465 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	108211		
99	65.2	53.3	79.9	
61	38.8	30.6	46.0	





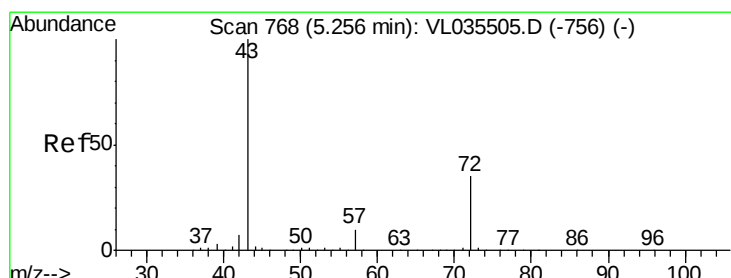
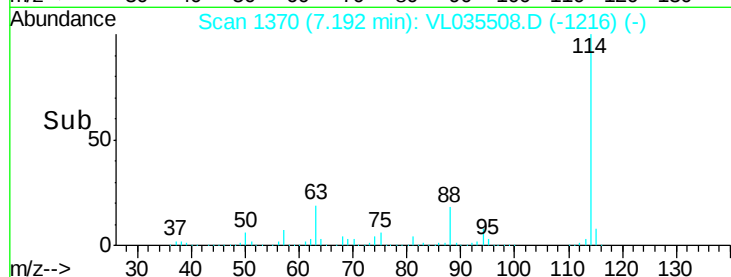
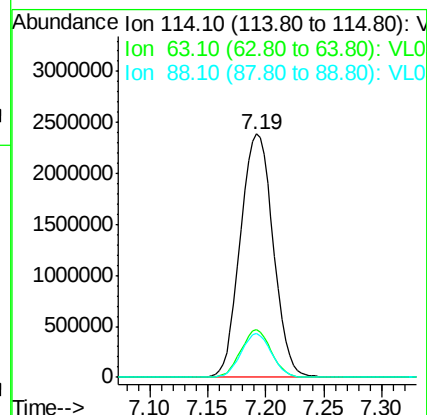
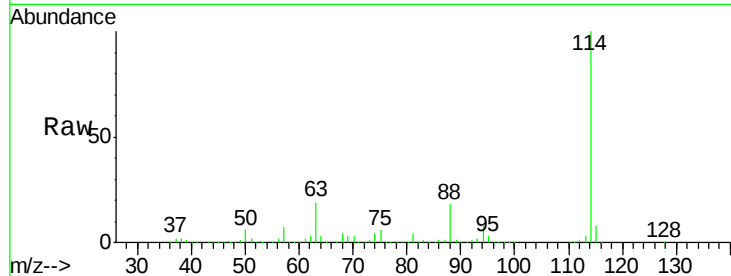
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 4709132
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.7 22.1
 88 16.7 13.4 20.2

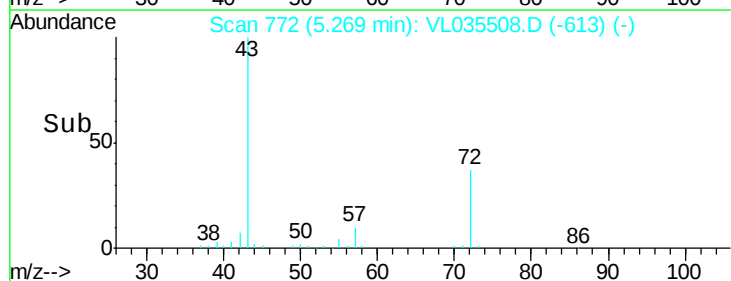
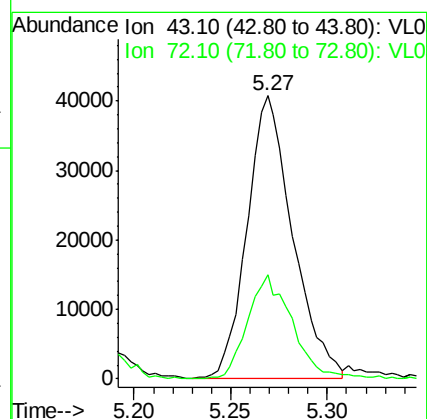
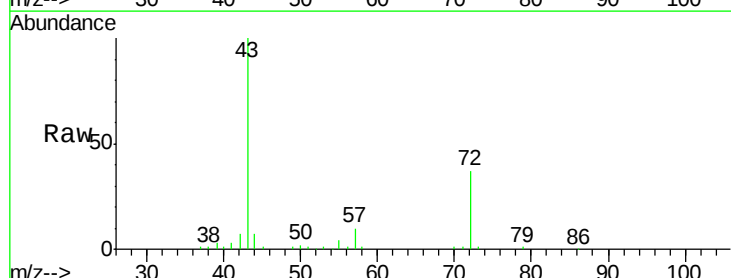
Manual Integrations
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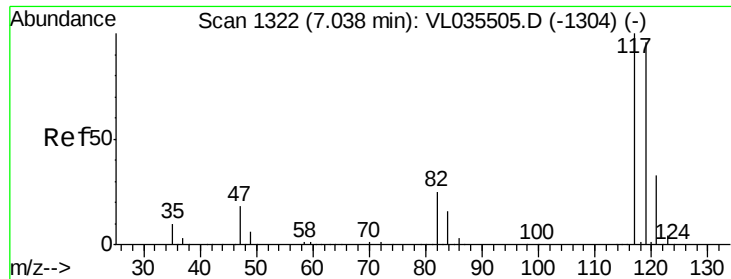
MMDadoda
 8/28/2020 3:17:30 PM



#34
 2-Butanone
 Concen: 0.481 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion: 43 Resp: 66958
 Ion Ratio Lower Upper
 43 100
 72 36.0 27.7 41.5





#35

Carbon Tetrachloride

Concen: 0.468 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

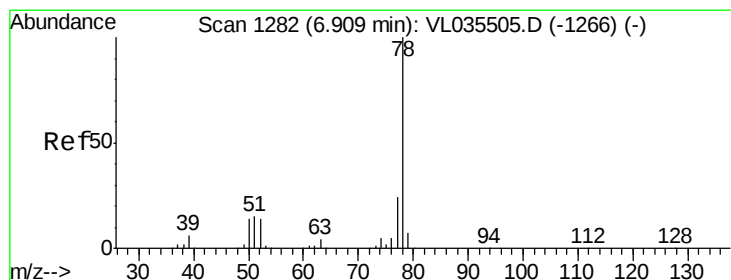
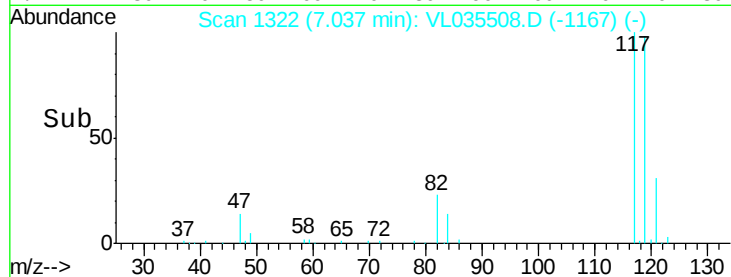
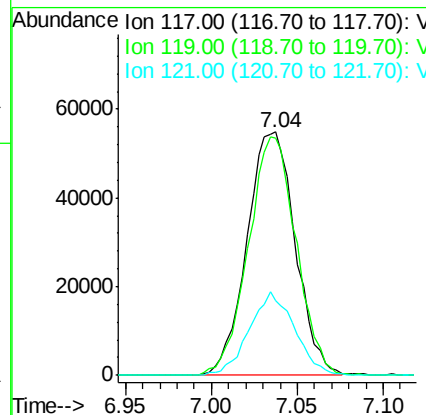
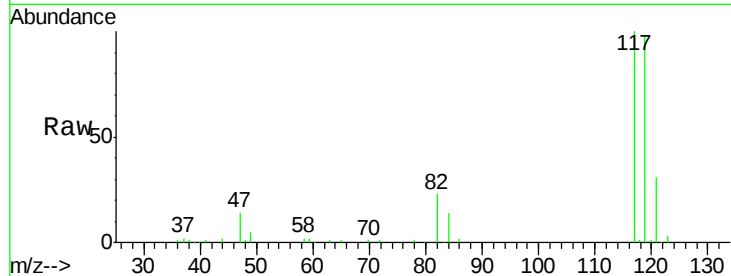
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.2	115.8
121	30.7	26.1	39.1

Manual Integrations
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8/28/2020 3:17:30 PM



#36

Benzene

Concen: 0.474 ppbv

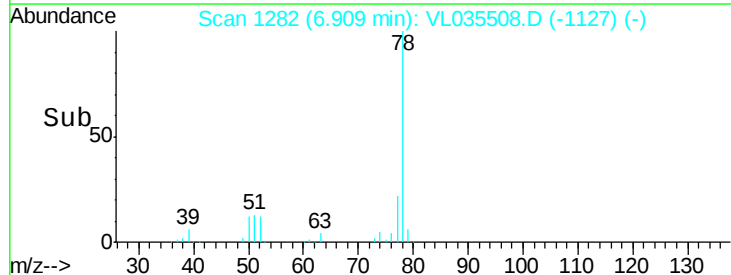
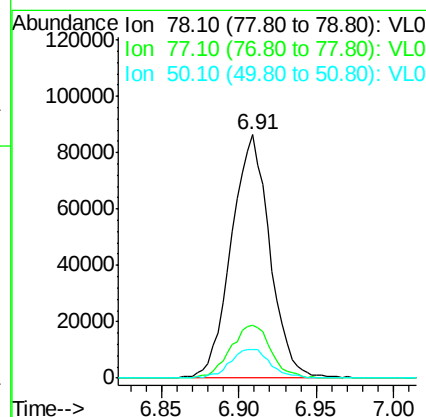
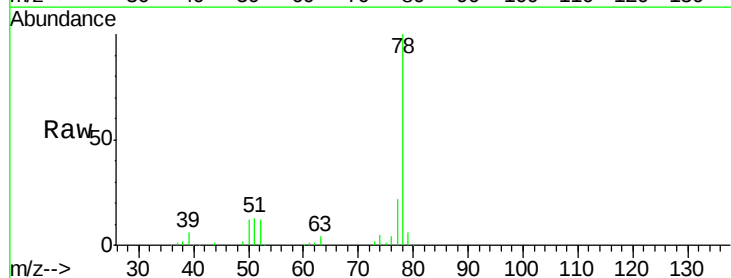
RT: 6.91 min Scan# 1282

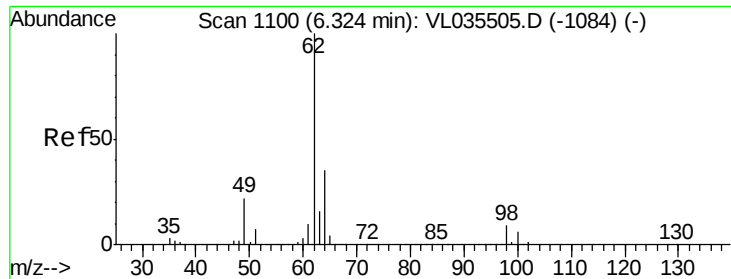
Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.3	28.9
50	11.6	11.0	16.6





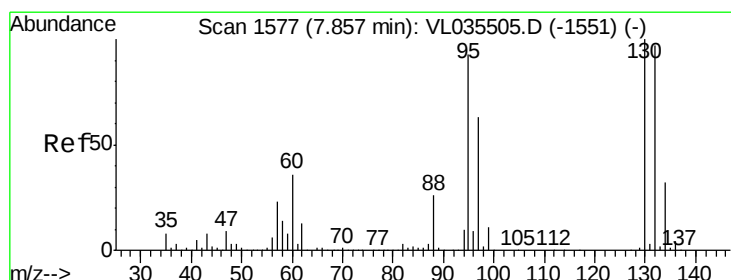
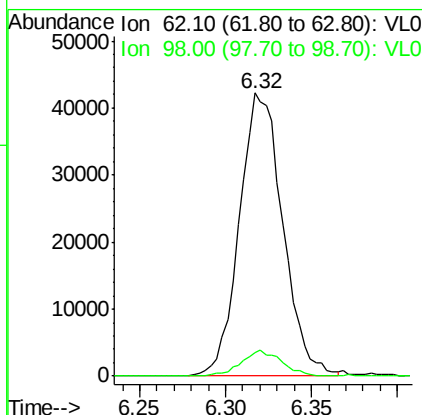
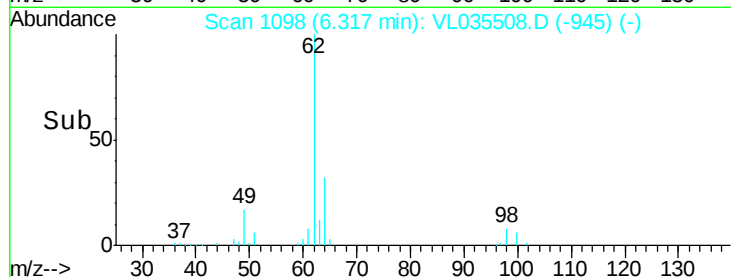
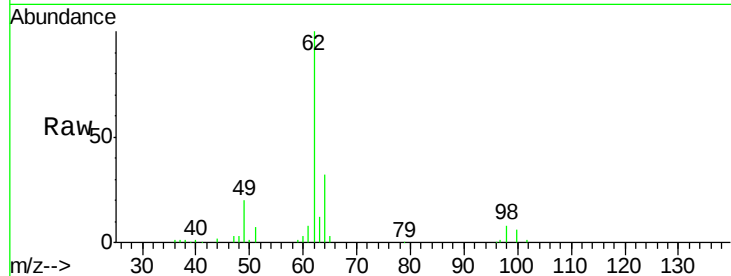
#37
 1,2-Dichloroethane
 Concen: 0.505 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.5	7.4	11.0

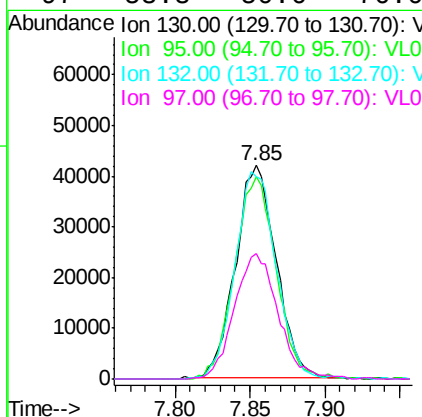
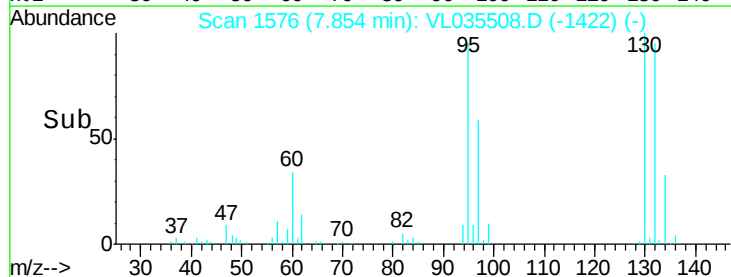
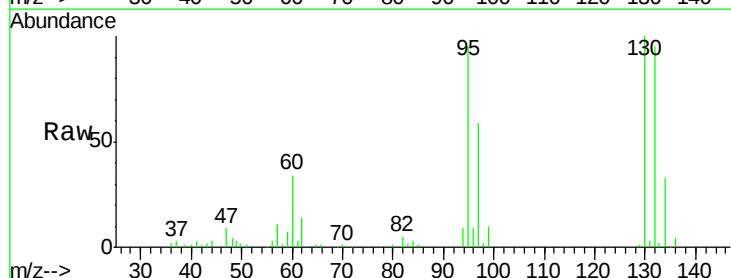
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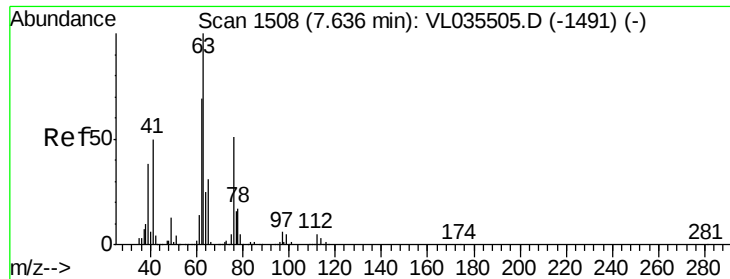
MMDadoda
 8/28/2020 3:17:30 PM



#38
 Trichloroethene
 Concen: 0.464 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	74.6	112.0
132	94.8	77.6	116.4
97	58.8	50.6	76.0





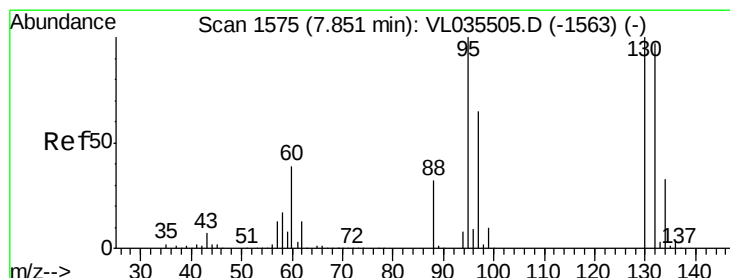
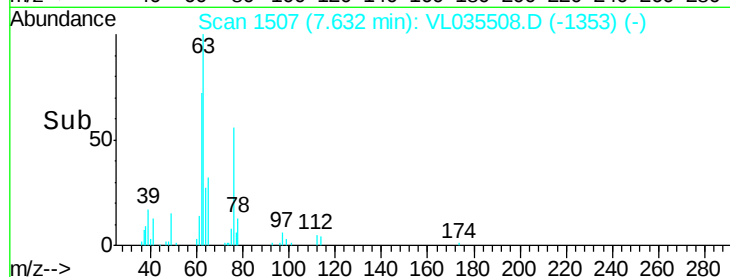
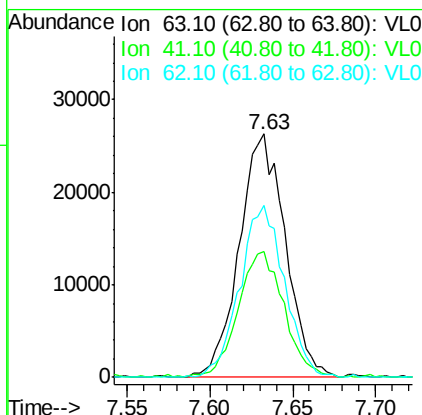
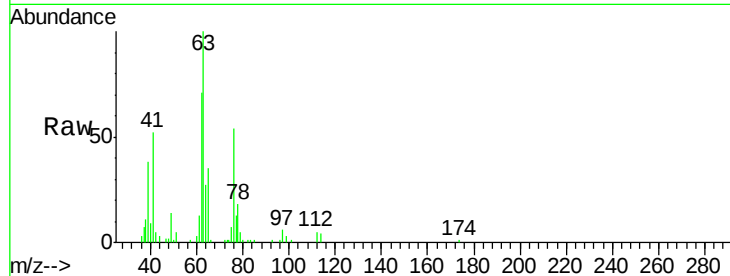
#39
 1,2-Dichloropropane
 Concen: 0.490 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
63	100	50839		
41	51.5		40.0	60.0
62	70.7		55.4	83.0

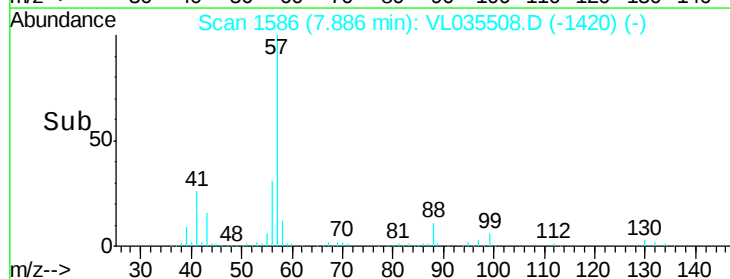
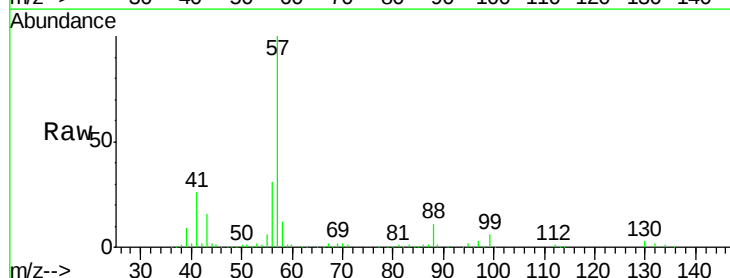
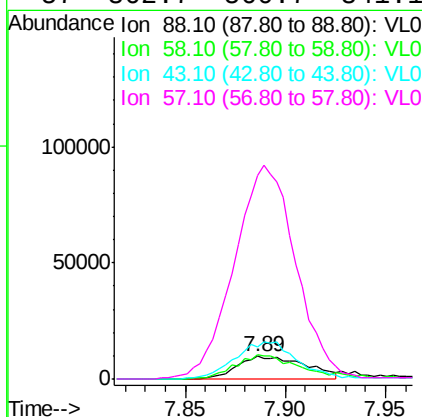
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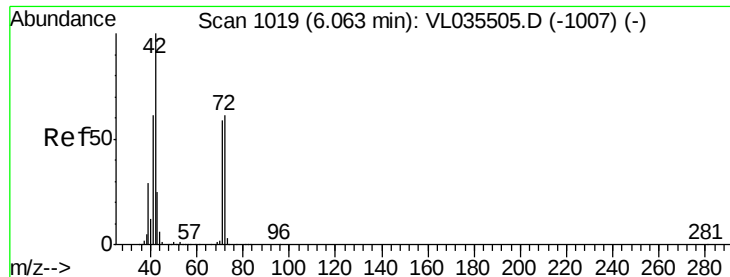
MMDadoda
 8/28/2020 3:17:30 PM



#40
 1,4-Dioxane
 Concen: 0.449 ppbv m
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.04 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	22963		
58	112.5		68.7	103.1#
43	0.0		104.3	156.5#
57	862.7		560.7	841.1#





#41

Tetrahydrofuran

Concen: 0.435 ppbv

RT: 6.09 min Scan# 1028

Delta R.T. 0.03 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

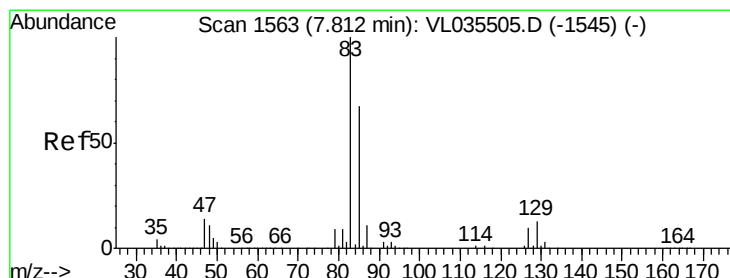
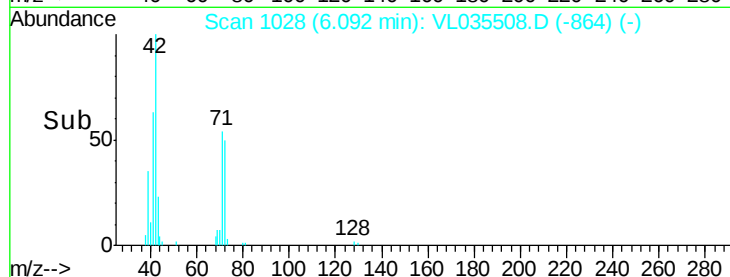
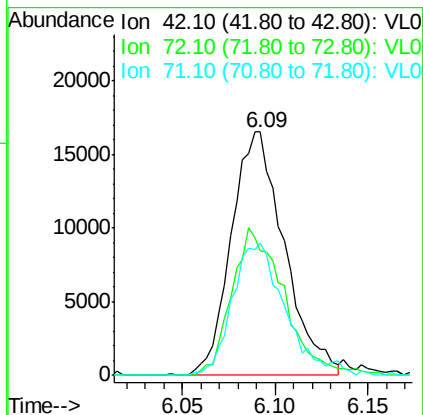
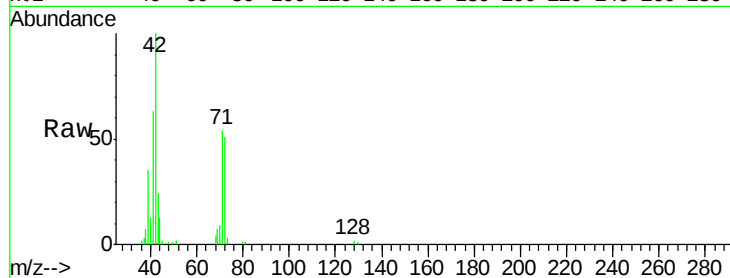
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	32849
Ion	Ratio	Lower	Upper
42	100		
72	59.6	48.6	73.0
71	54.4	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.443 ppbv

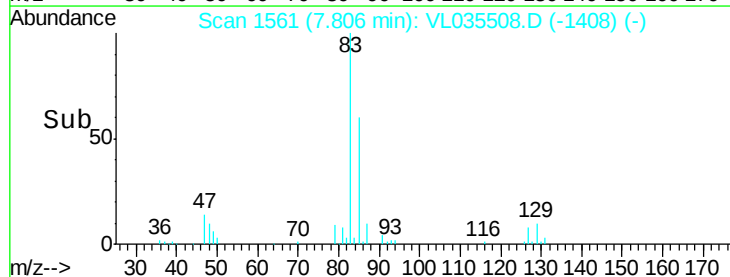
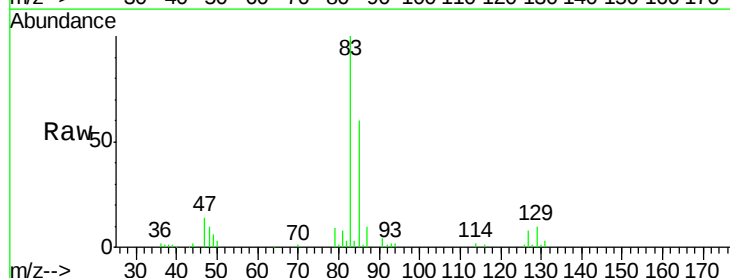
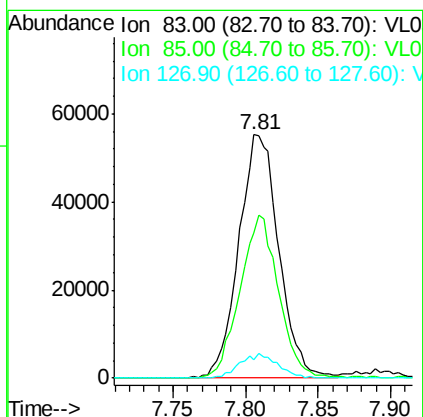
RT: 7.81 min Scan# 1561

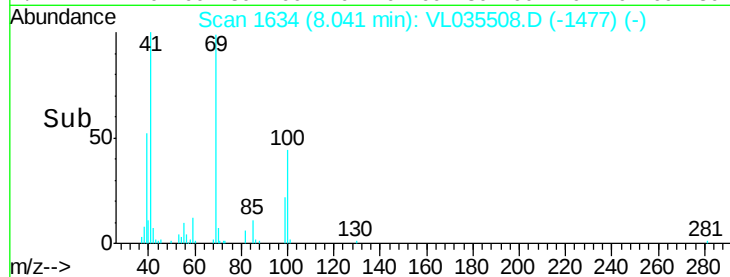
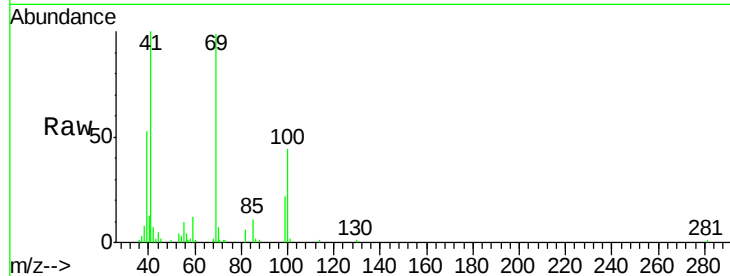
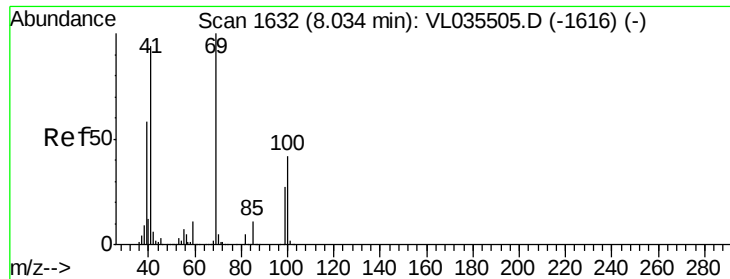
Delta R.T. -0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:	83	Resp:	106238
Ion	Ratio	Lower	Upper
83	100		
85	59.6	53.7	80.5
127	7.7	8.1	12.1#





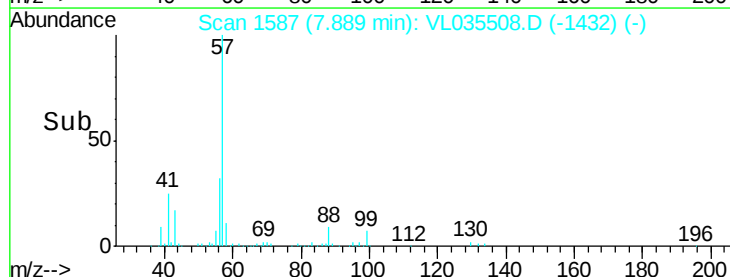
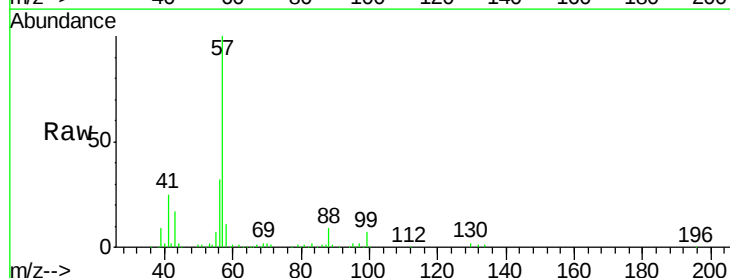
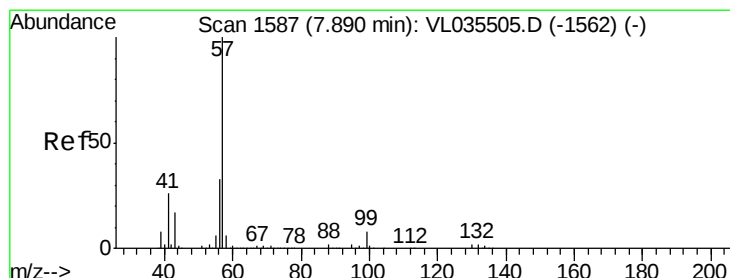
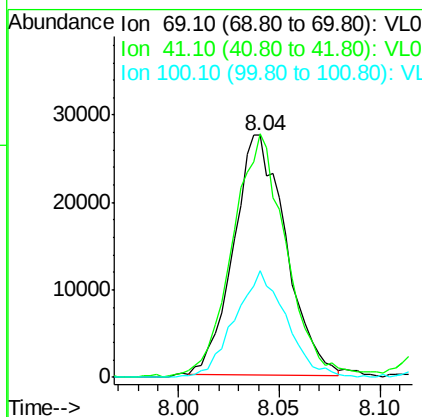
#43
Methvl Methacrilate
Concen: 0.415 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		49791		
41	104.4	76.6	114.8		
100	43.8	33.8	50.6		

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

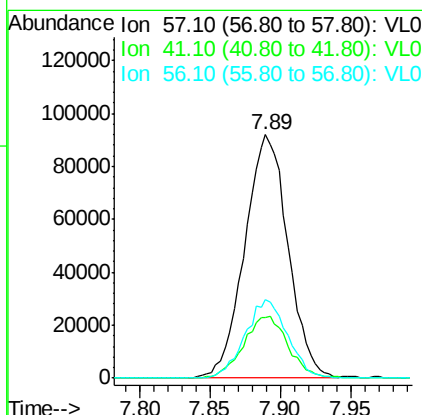
Manual Integrations
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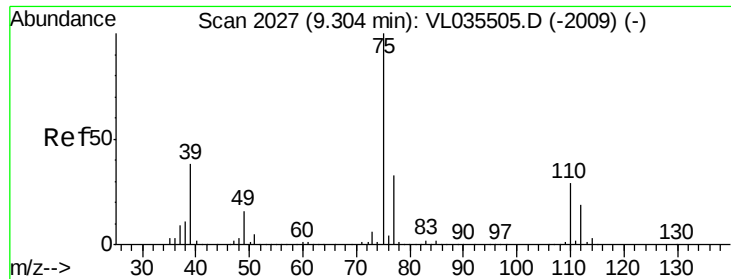
MMDadoda
8/28/2020 3:17:30 PM



#44
2,2,4-Trimethylpentane
Concen: 0.486 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		197189		
41	26.4	20.5	30.7		
56	31.6	25.3	37.9		





#45

t-1,3-Dichloropropene

Concen: 0.350 ppbv m

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tot Ion: 75 Resp: 42974

Ion Ratio Lower Upper

75 100

77 34.5 26.5 39.7

Instrument :

MSVOA_L

ClientSampleId :

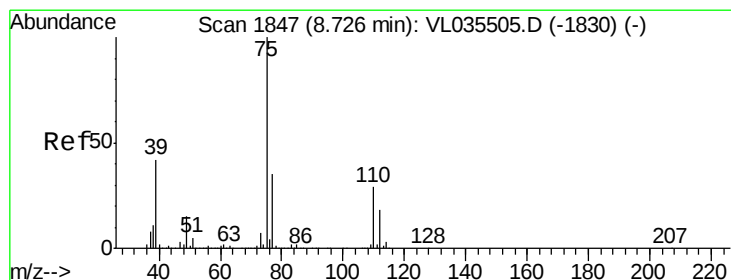
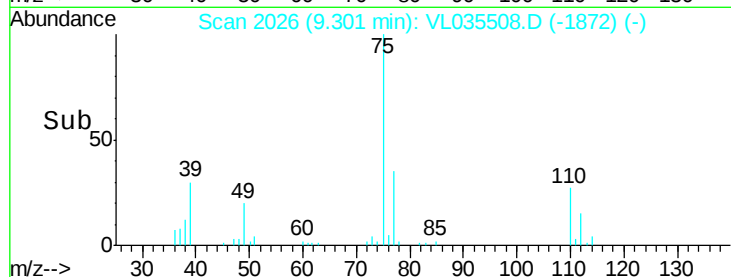
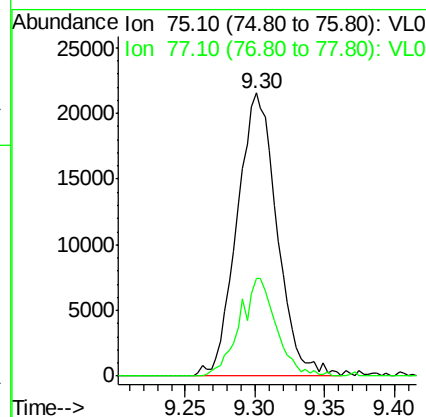
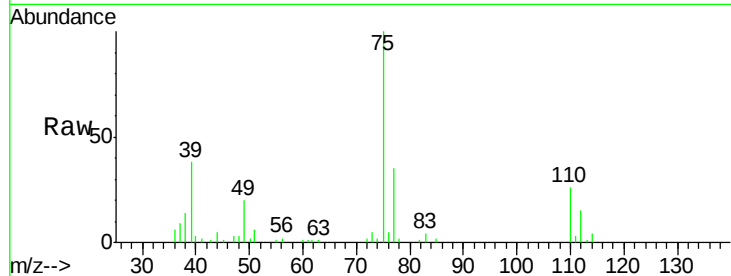
VSTDIC0.5

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.382 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

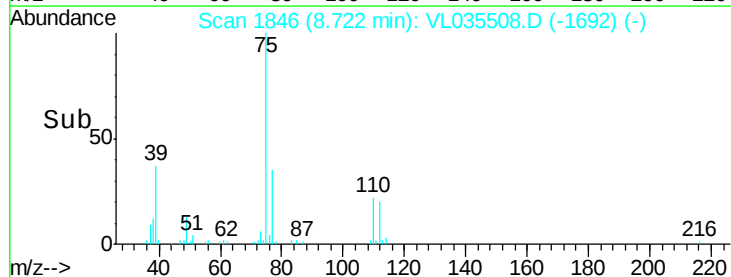
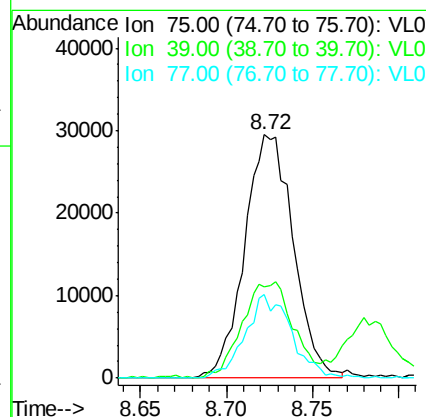
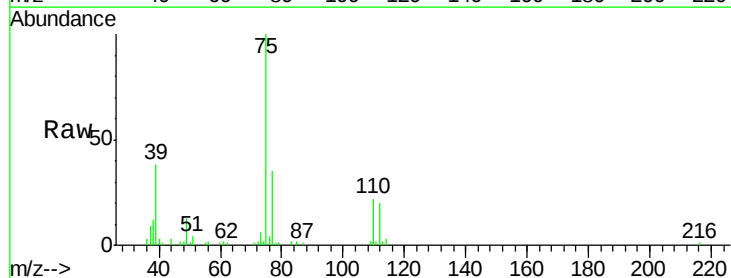
Tgt Ion: 75 Resp: 58027

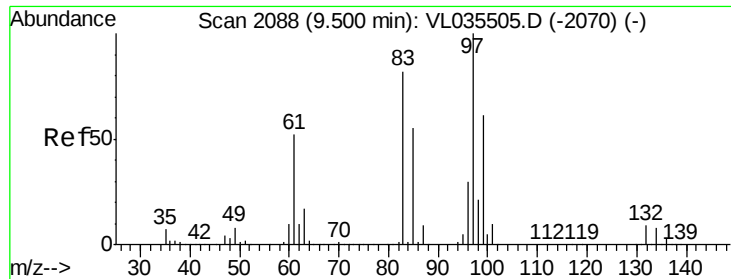
Ion Ratio Lower Upper

75 100

39 37.7 33.7 50.5

77 34.6 27.8 41.6





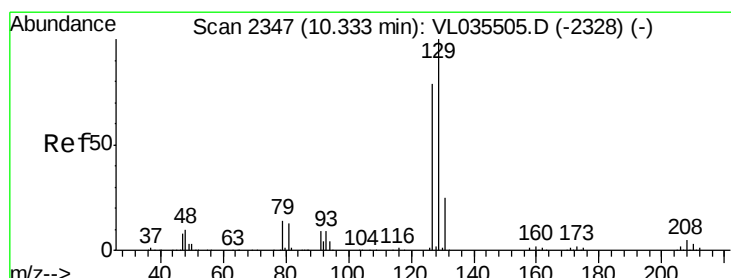
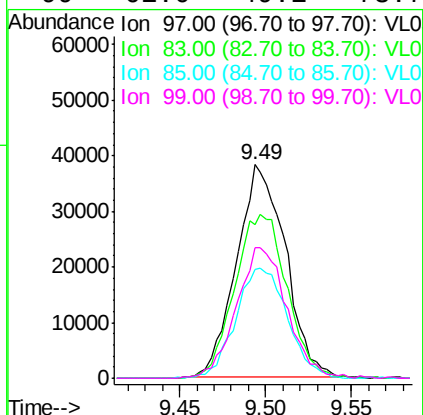
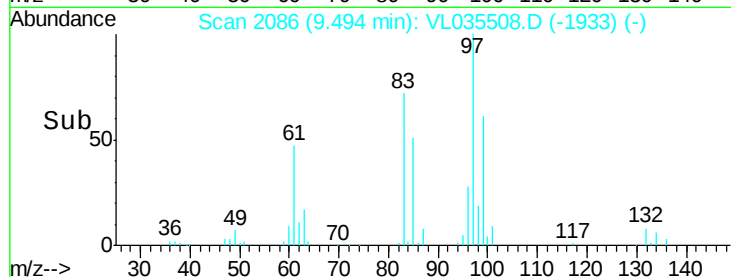
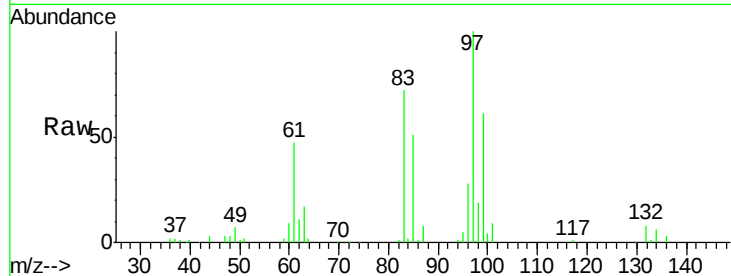
#47
 1,1,2-Trichloroethane
 Concen: 0.485 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		75143		
83	71.9	65.4	98.2		
85	50.9	43.7	65.5		
99	61.0	49.1	73.7		

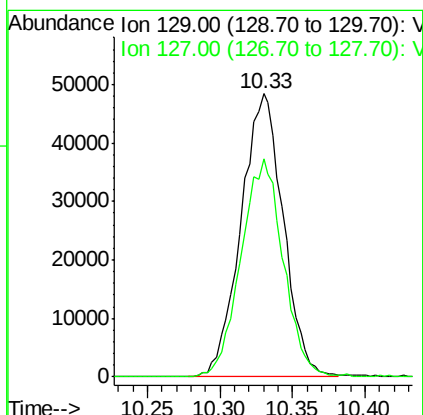
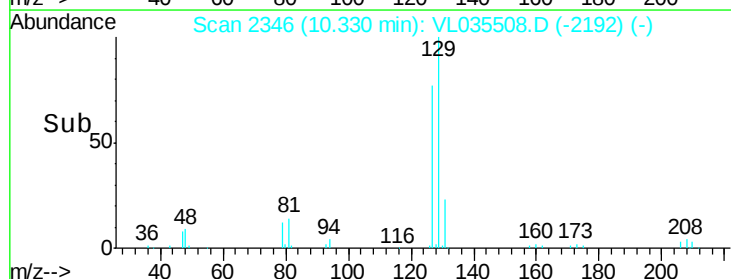
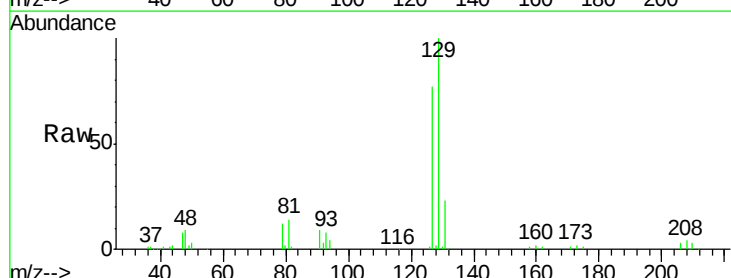
Manual Integrations
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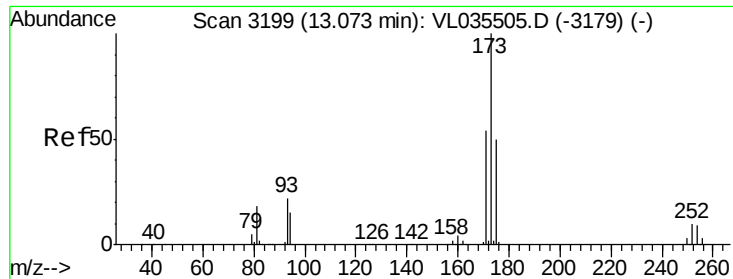
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.398 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		98064		
127	77.0	39.3	117.8		





#49

Bromoform

Concen: 0.344 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

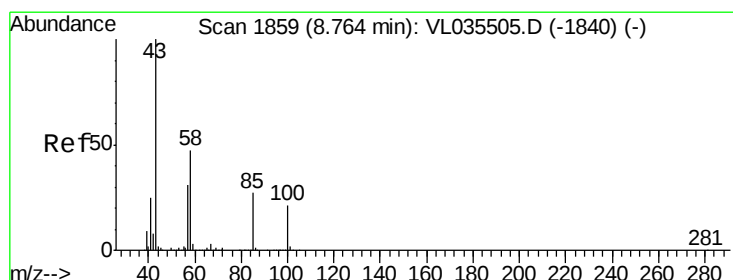
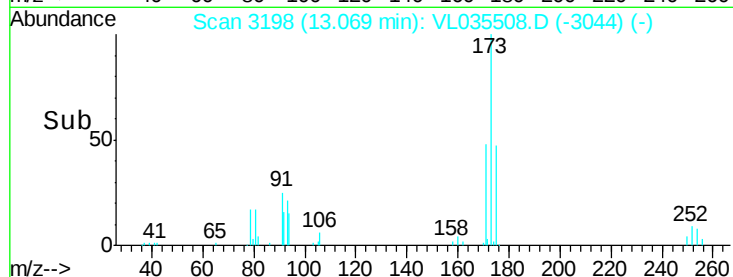
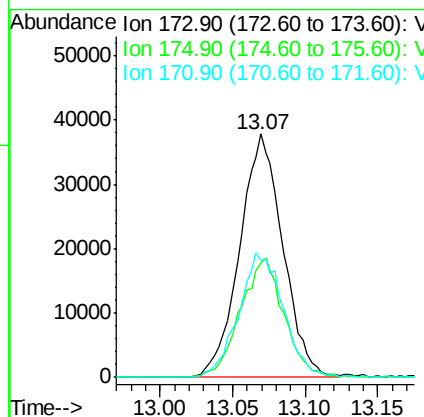
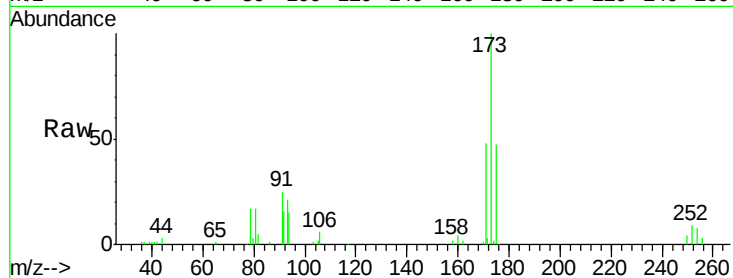
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	78375
Ion Ratio	Lower	Upper	
173	100		
175	49.4	39.8	59.8
171	53.1	42.4	63.6

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.457 ppbv

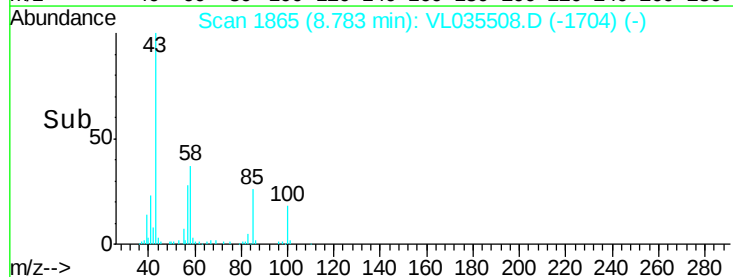
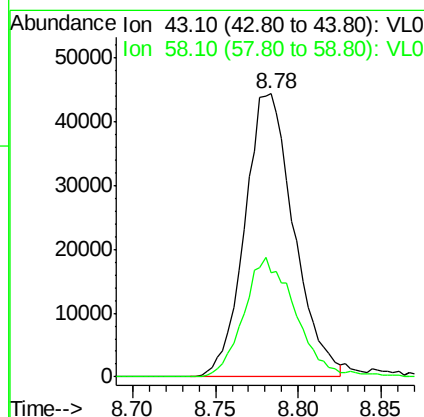
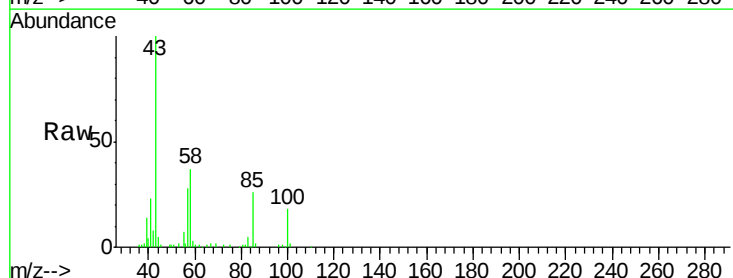
RT: 8.78 min Scan# 1865

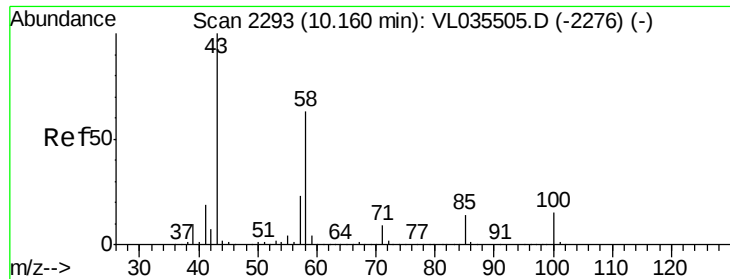
Delta R.T. 0.02 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:	43	Resp:	91663
Ion Ratio	Lower	Upper	
43	100		
58	44.5	37.4	56.0





#51

2-Hexanone

Concen: 0.424 ppbv

RT: 10.18 min Scan# 2300

Delta R.T. 0.02 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 69698

Ion Ratio Lower Upper

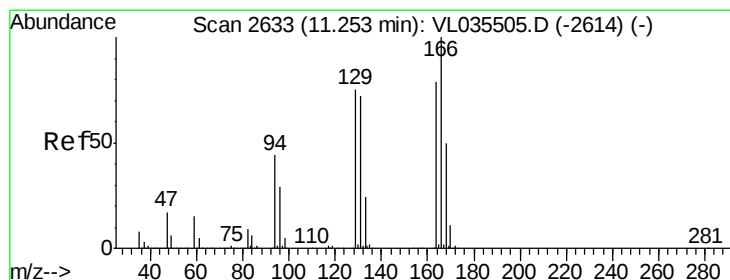
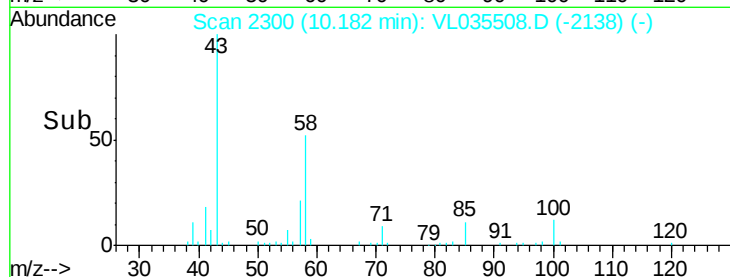
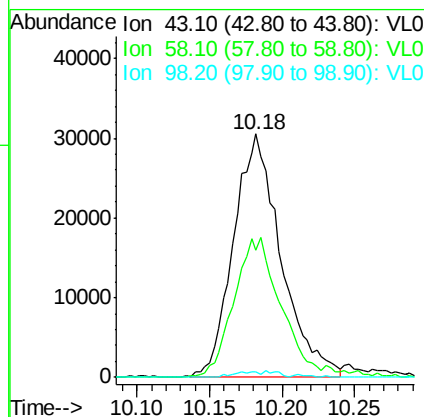
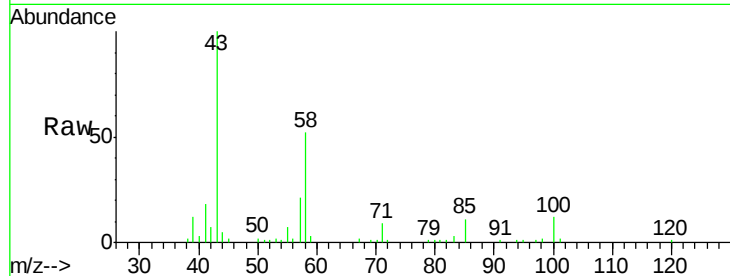
43 100

58 58.5 50.2 75.4

98 2.4 0.4 0.6#

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.481 ppbv m

RT: 11.25 min Scan# 2633

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion: 164 Resp: 86547

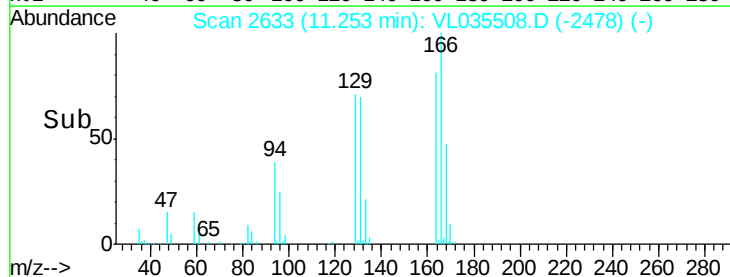
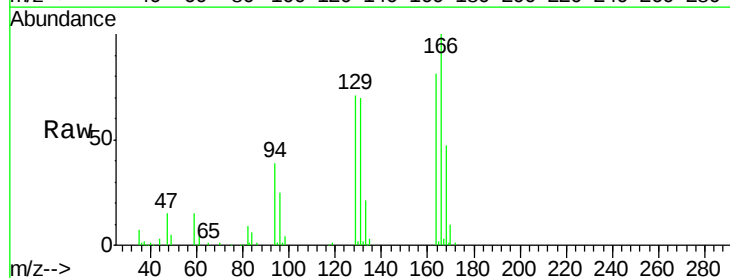
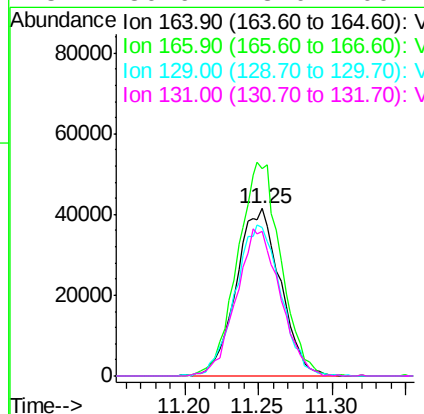
Ion Ratio Lower Upper

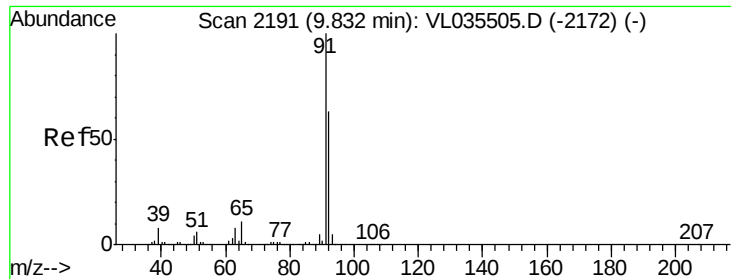
164 100

166 124.2 100.9 151.3

129 88.7 75.3 112.9

131 86.6 73.0 109.4





#53

Toluene

Concen: 0.446 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 174869

Ion Ratio Lower Upper

91 100

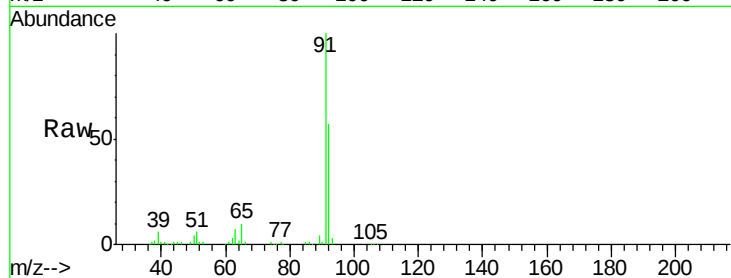
92 59.7 49.8 74.8

Manual Integrations

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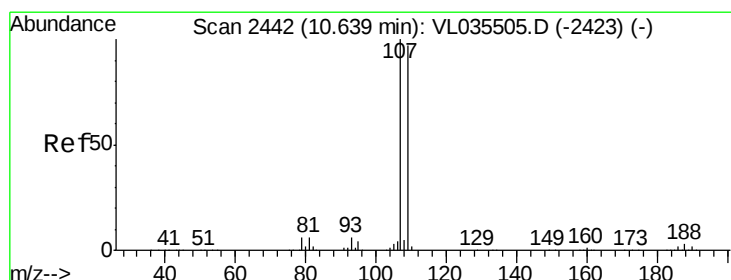
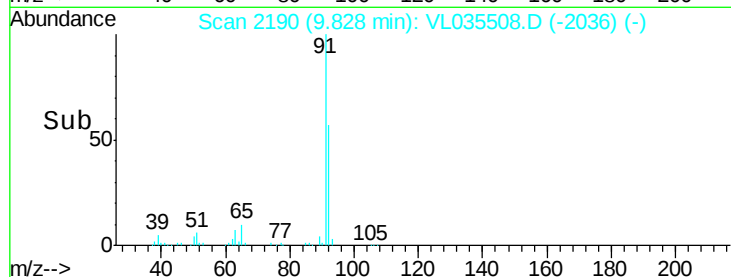
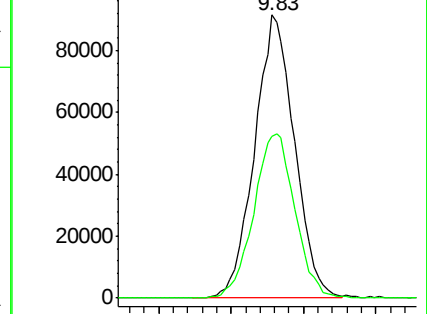
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.467 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL035508.D

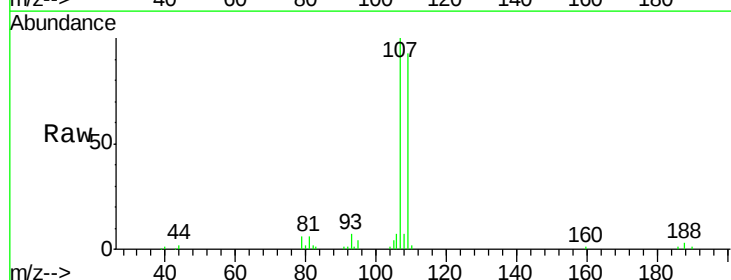
Acq: 27 Aug 2020 4:06

Tgt Ion: 107 Resp: 114977

Ion Ratio Lower Upper

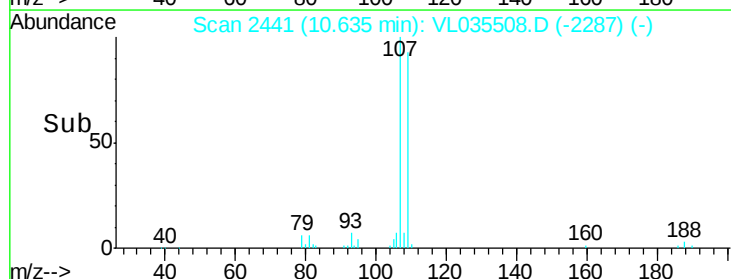
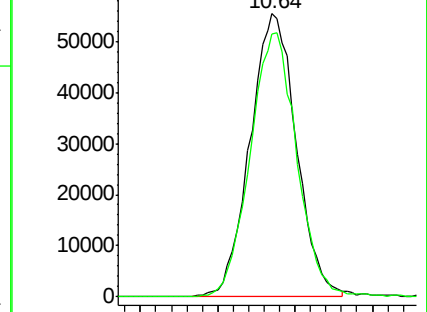
107 100

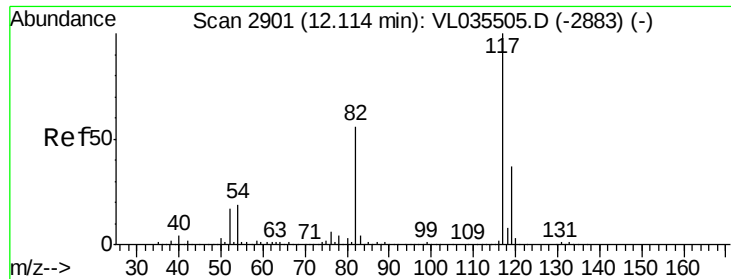
109 92.8 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





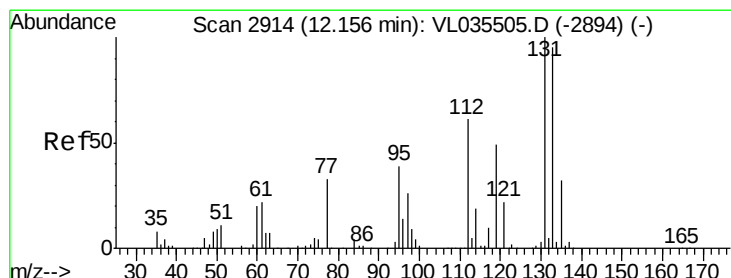
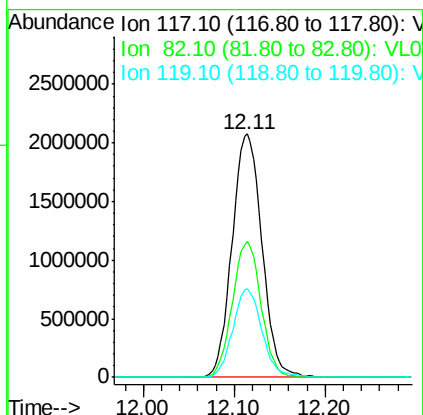
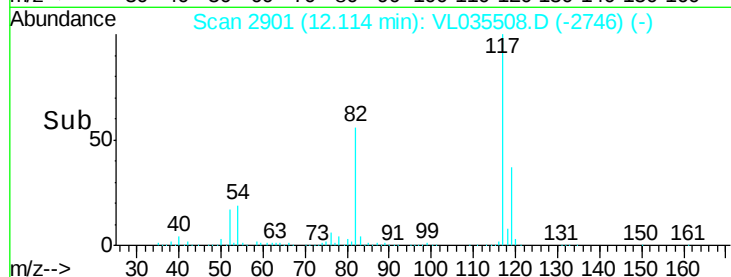
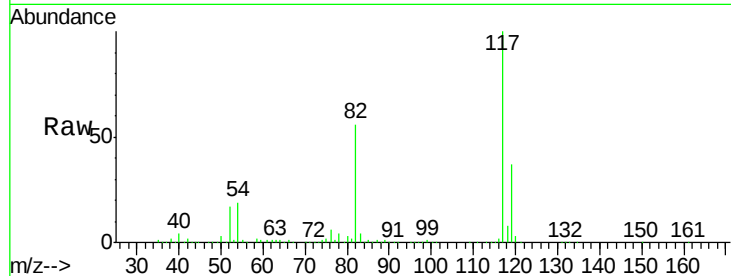
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 4729757
Ion Ratio Lower Upper
117 100
82 53.7 41.6 62.4
119 35.9 29.3 43.9

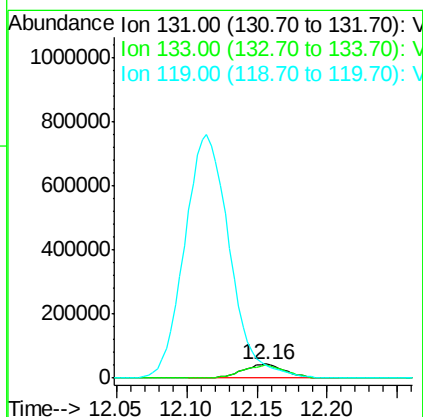
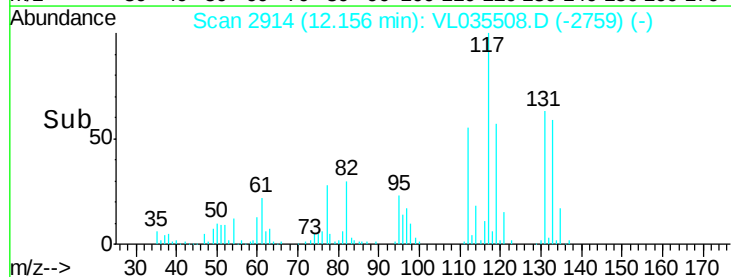
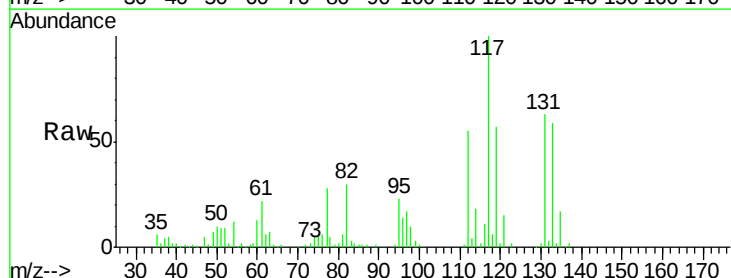
Manual Integrations
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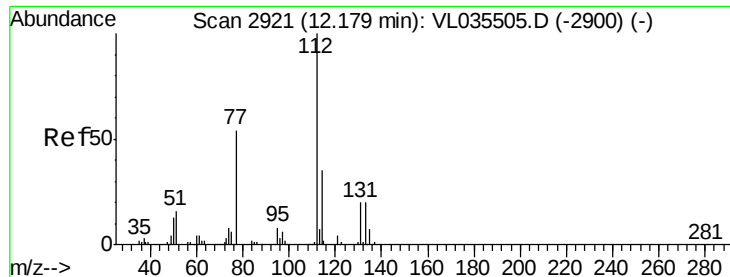
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.469 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion:131 Resp: 92653
Ion Ratio Lower Upper
131 100
133 94.3 76.6 115.0
119 1833.4 51.6 77.4#





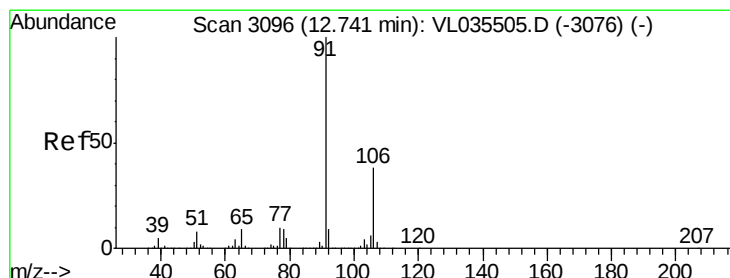
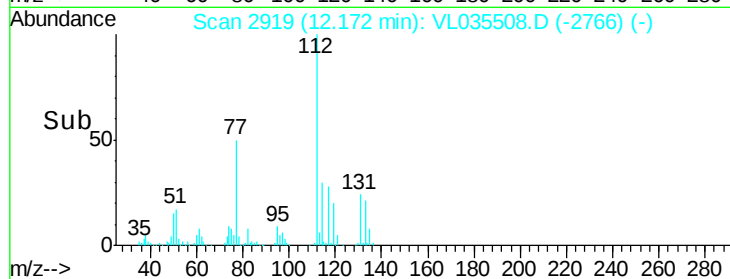
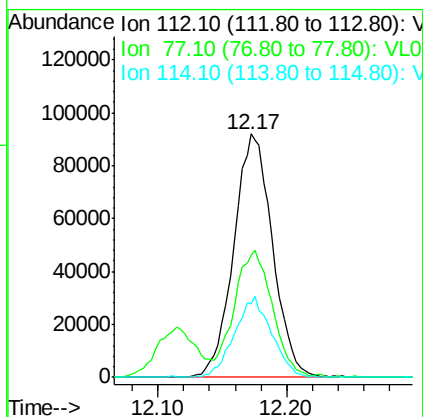
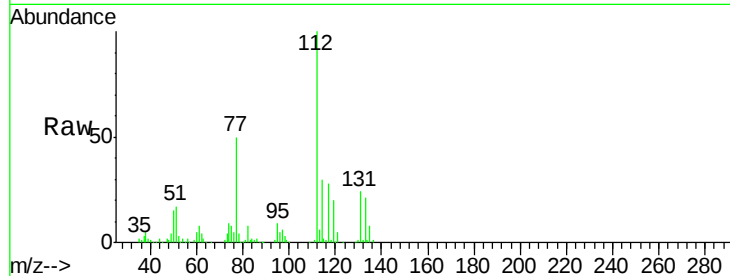
#57
Chlorobenzene
Concen: 0.546 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp Lower	Upper
112	100		
77	49.7	44.2	66.4
114	30.0	31.6	38.6#

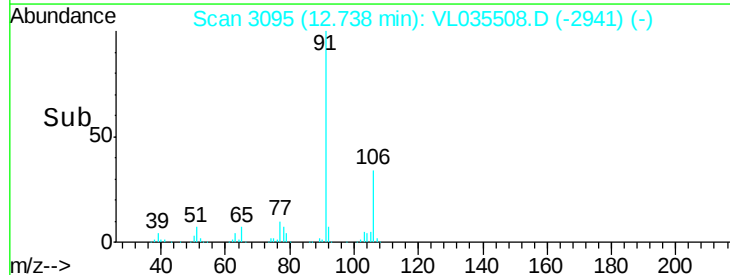
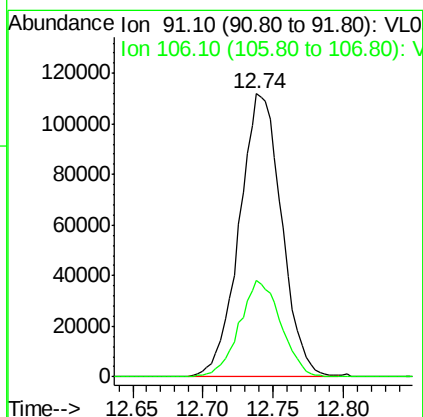
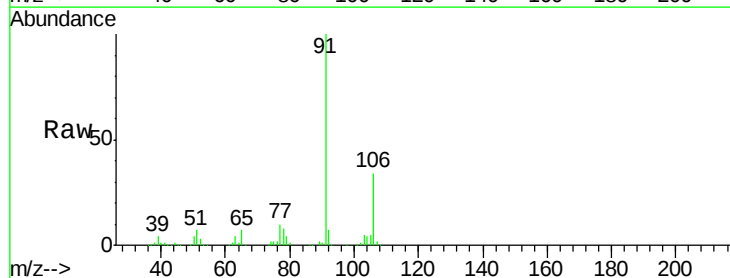
Manual Integrations
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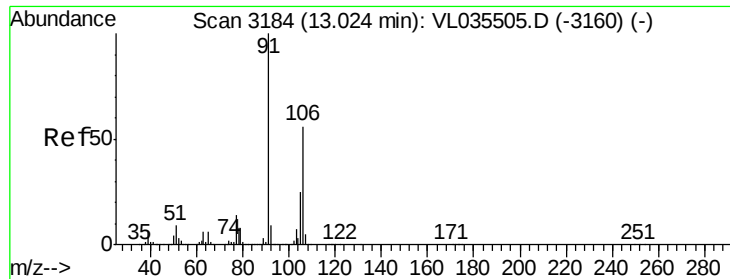
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#58
Ethyl Benzene
Concen: 0.469 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
106	34.0	30.3	45.5





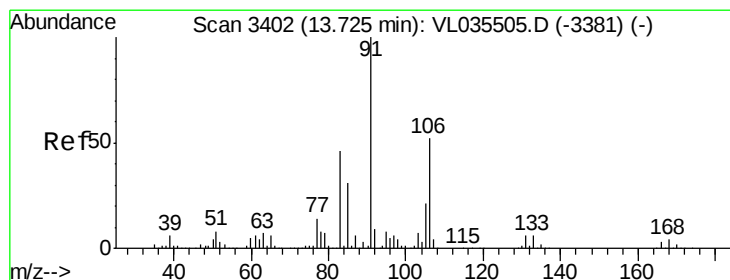
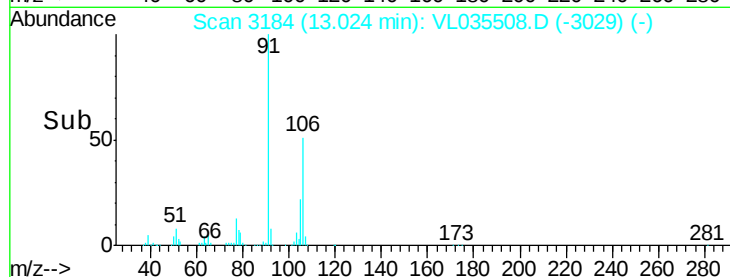
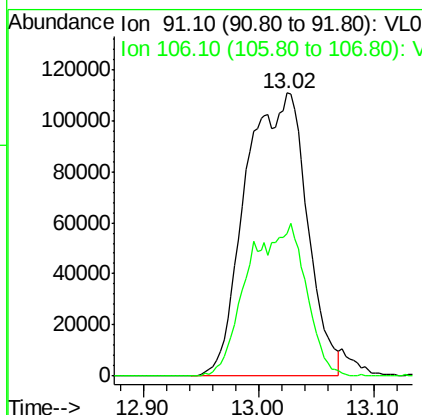
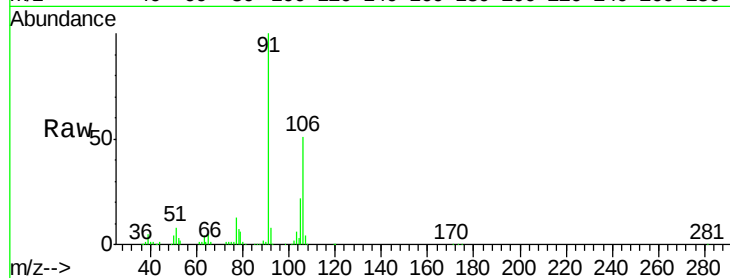
#59
m/p-Xylene
Concen: 0.963 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 410211
Ion Ratio Lower Upper
91 100
106 50.9 43.4 65.2

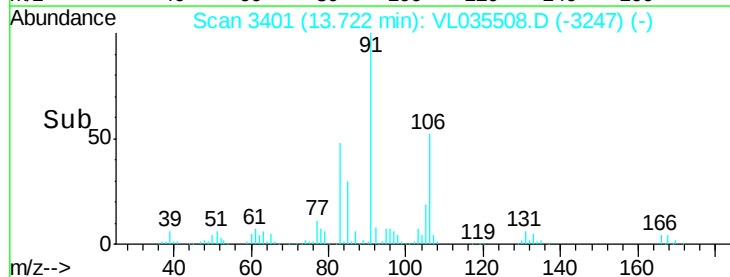
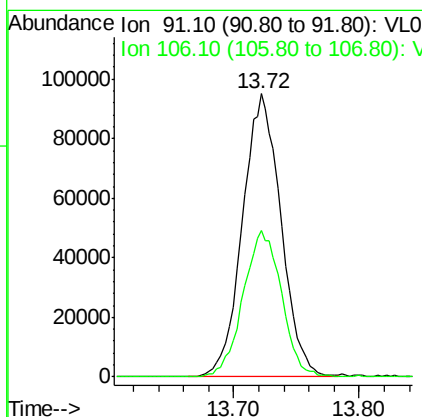
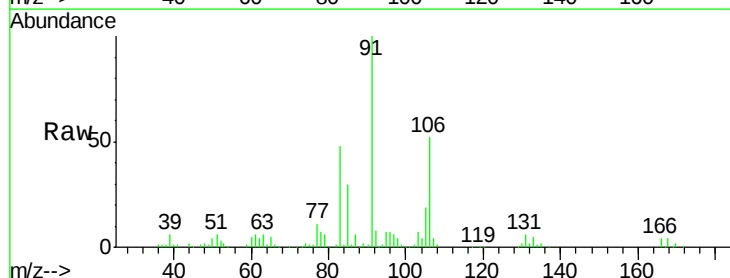
Manual Integrations
APPROVED

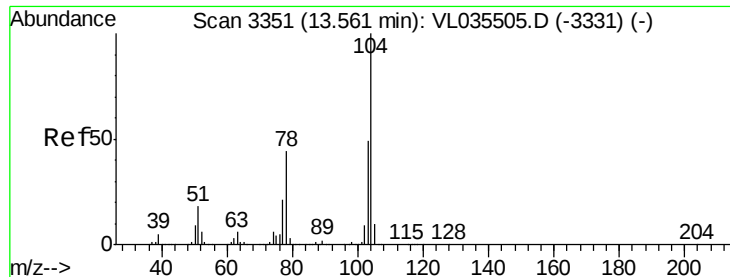
MMDadoda
8/28/2020 3:17:30 PM



#60
o-Xylene
Concen: 0.483 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035508.D
Acq: 27 Aug 2020 4:06

Tgt Ion: 91 Resp: 202527
Ion Ratio Lower Upper
91 100
106 51.4 25.8 77.4





#61

Stvrene

Concen: 0.416 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

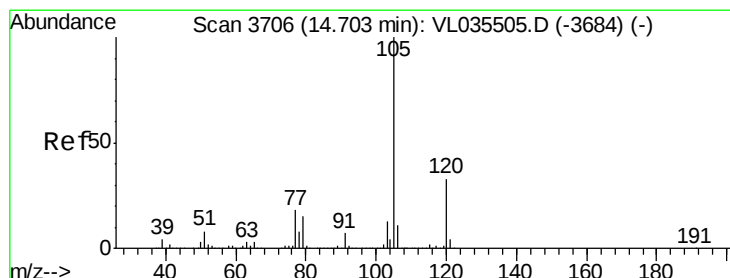
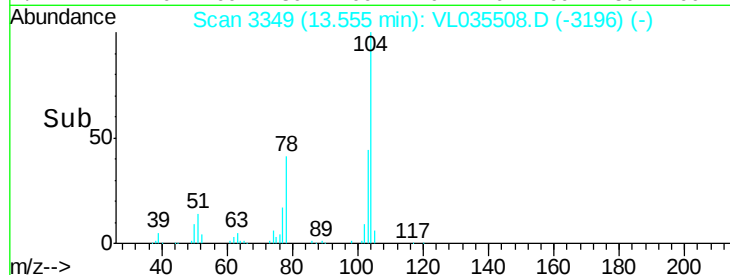
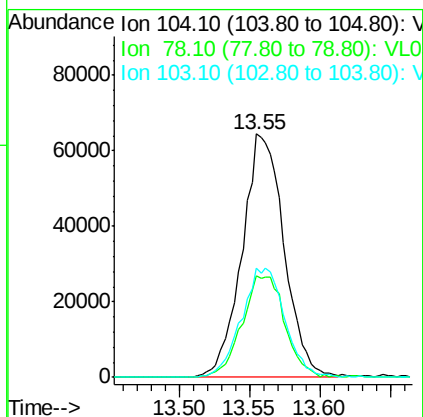
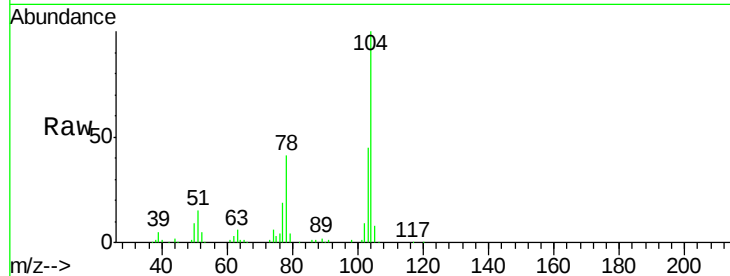
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	134247
Ion Ratio	Lower	Upper	
104	100		
78	42.9	34.8	52.2
103	46.6	38.2	57.4

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.503 ppbv

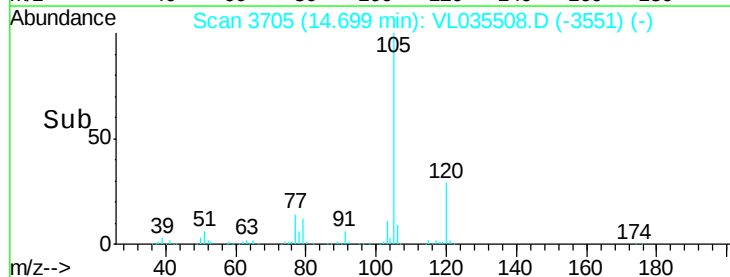
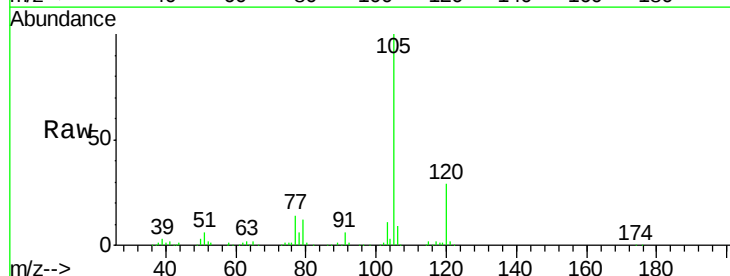
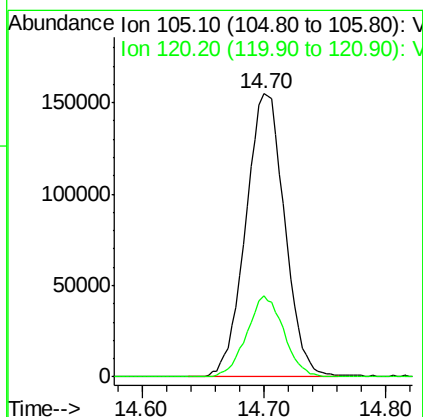
RT: 14.70 min Scan# 3705

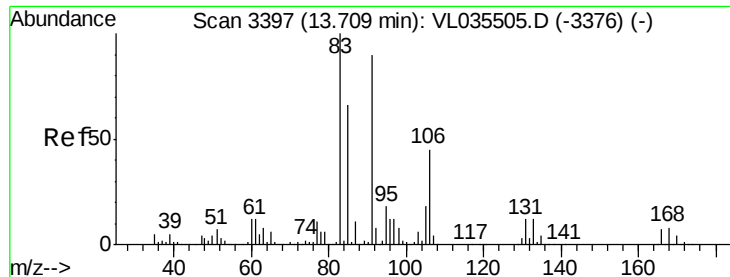
Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:	105	Resp:	341202
Ion Ratio	Lower	Upper	
105	100		
120	27.3	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.512 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

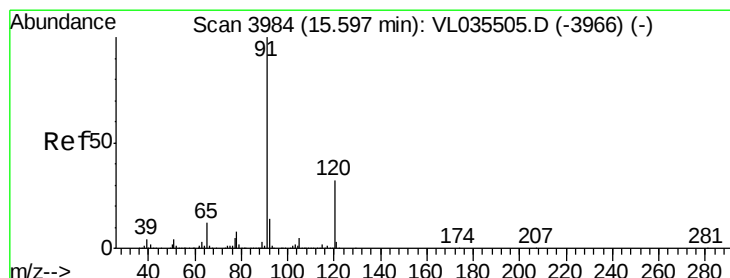
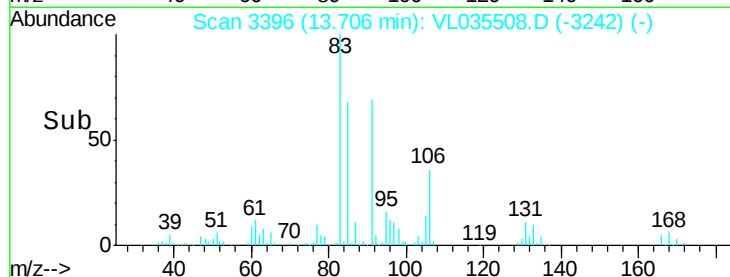
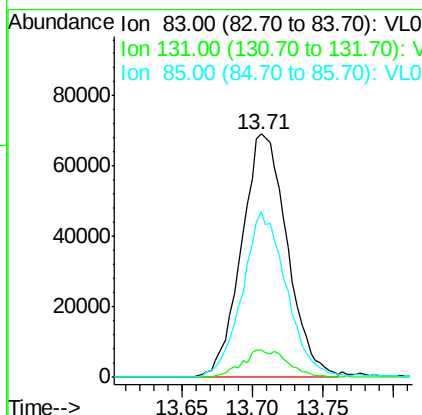
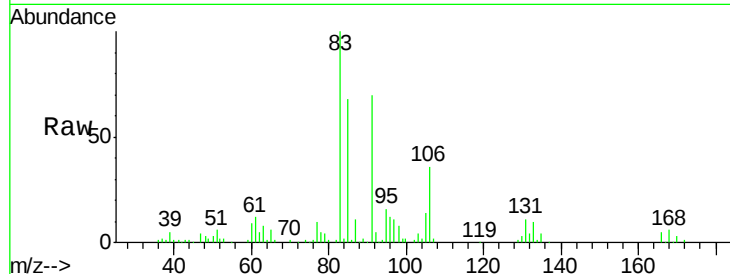
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
83	100	156970		
131	11.4	6.0	18.0	
85	66.3	33.4	100.2	

Manual Integrations
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#64

n-propylbenzene

Concen: 0.468 ppbv

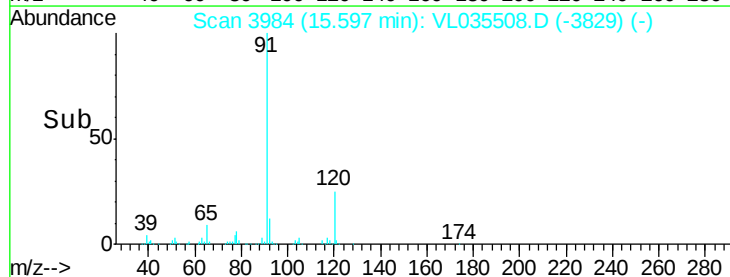
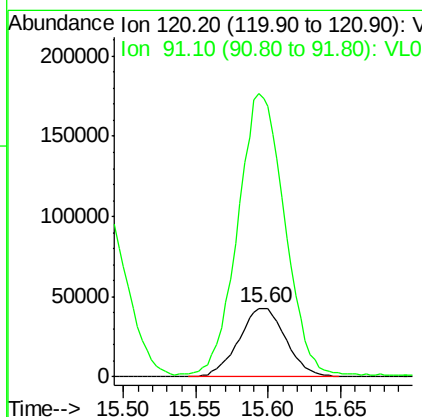
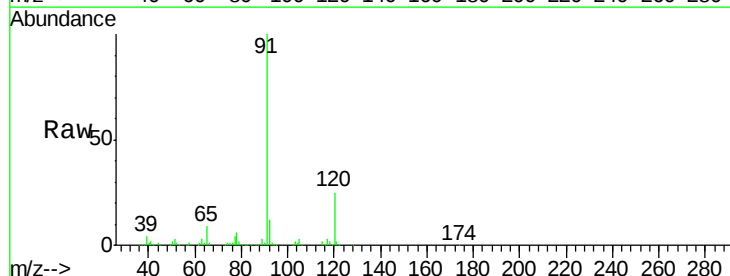
RT: 15.60 min Scan# 3984

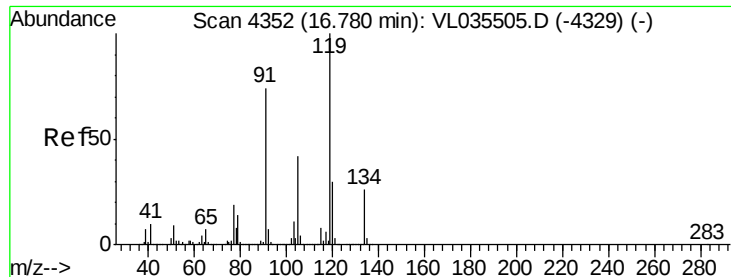
Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	96635		
91	419.7	279.4	419.0	





#65

tert-Butylbenzene

Concen: 0.457 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

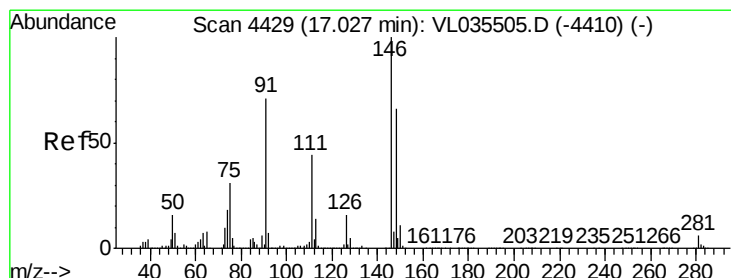
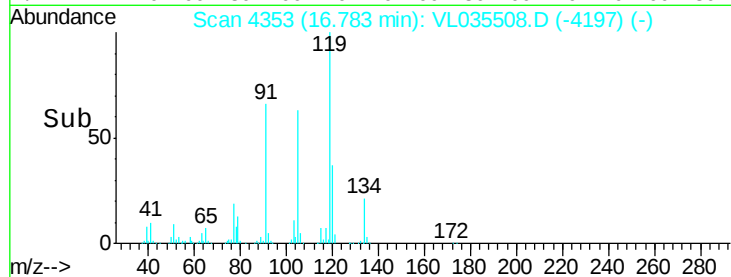
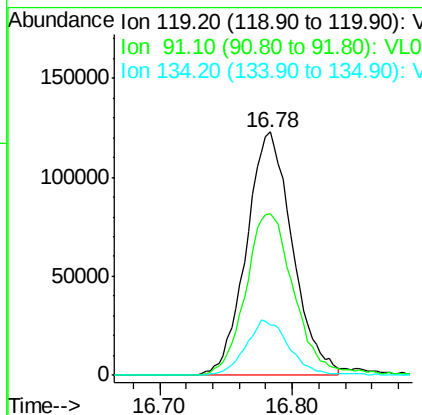
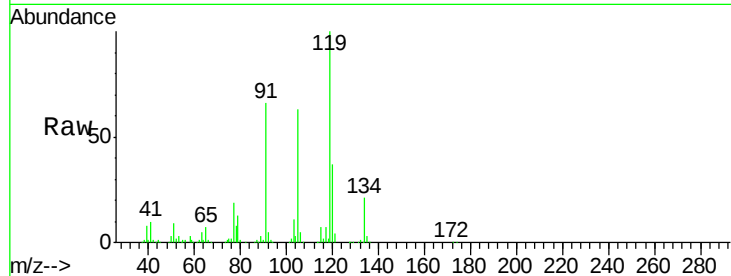
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	294548
Ion Ratio	Lower	Upper	
119	100		
91	70.8	58.6	87.8
134	21.9	18.9	28.3

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.304 ppbv m

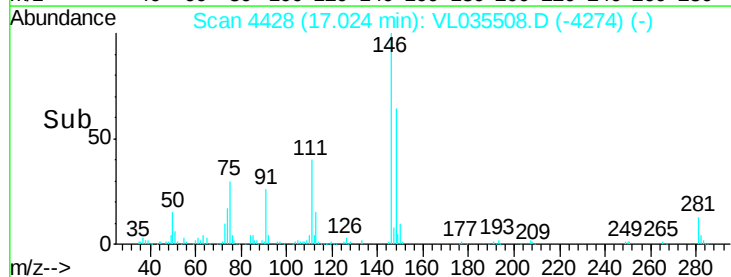
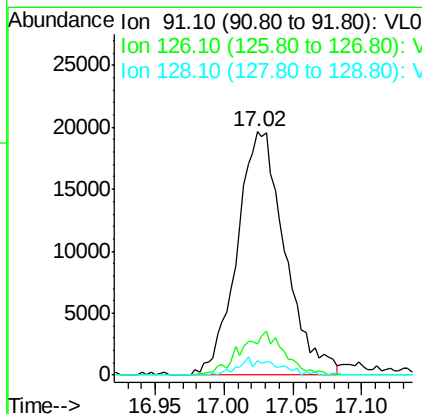
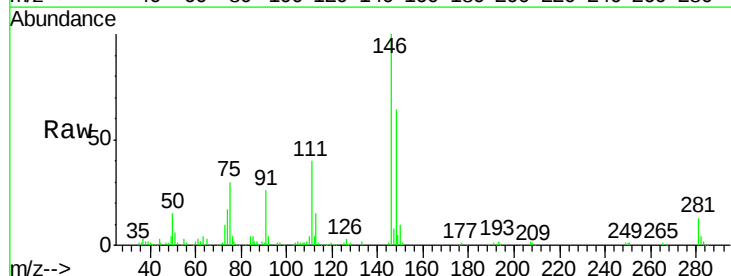
RT: 17.02 min Scan# 4428

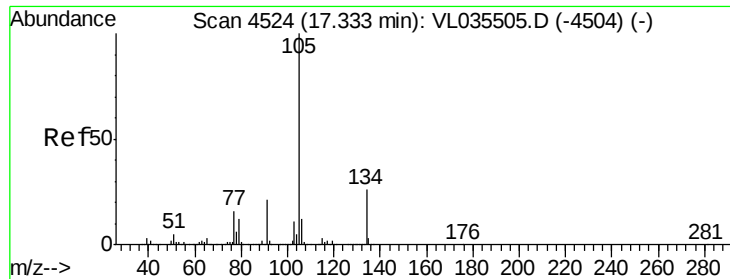
Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:	91	Resp:	47555
Ion Ratio	Lower	Upper	
91	100		
126	16.4	17.2	25.8#
128	5.8	5.5	8.3





#67

sec-Butylbenzene

Concen: 0.476 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 407407

Ion Ratio Lower Upper

105 100

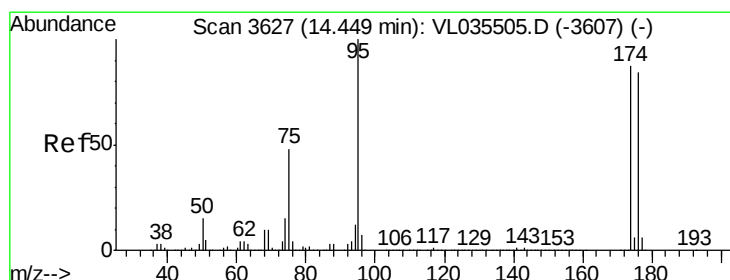
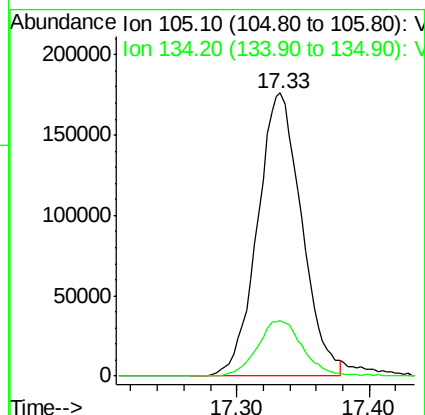
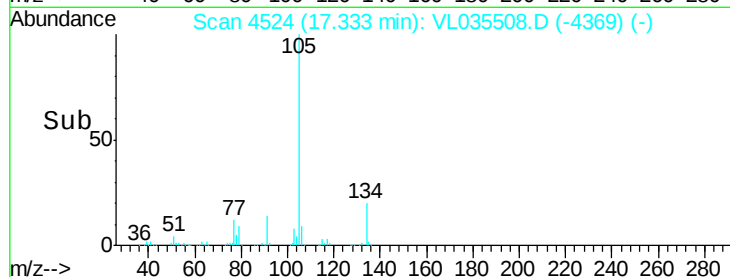
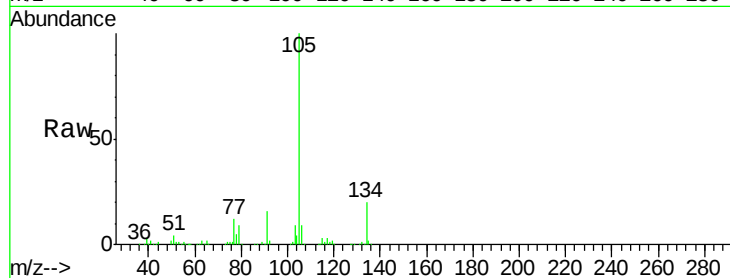
134 20.5 19.1 28.7

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.231 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

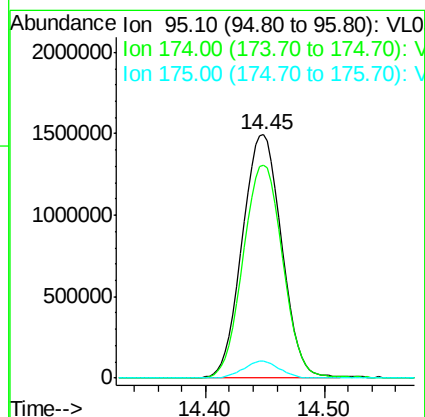
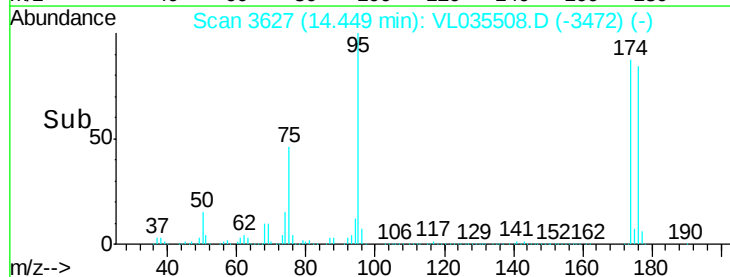
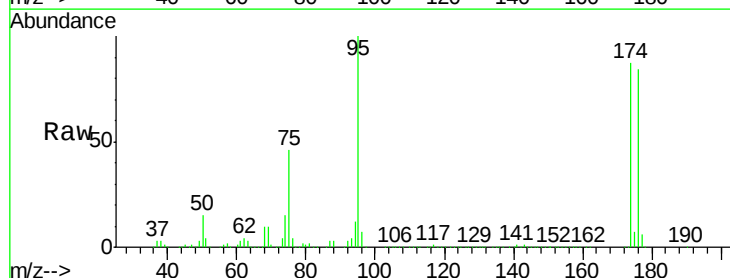
Tgt Ion: 95 Resp: 3430107

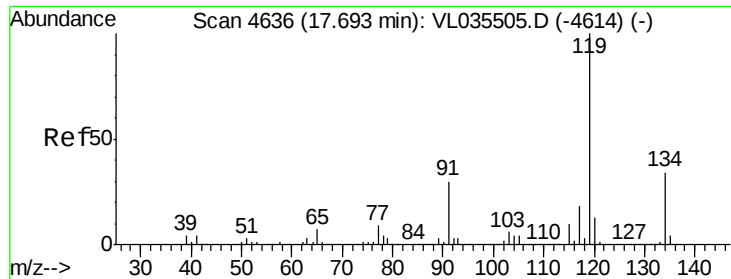
Ion Ratio Lower Upper

95 100

174 88.5 69.6 104.4

175 6.5 5.1 7.7





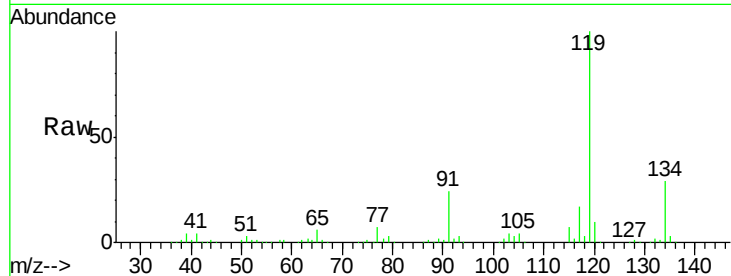
#69
 p-Isopropyltoluene
 Concen: 0.473 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	352986		
134	26.5		25.0	37.4
91	24.4		22.3	33.5

Manual Integrations
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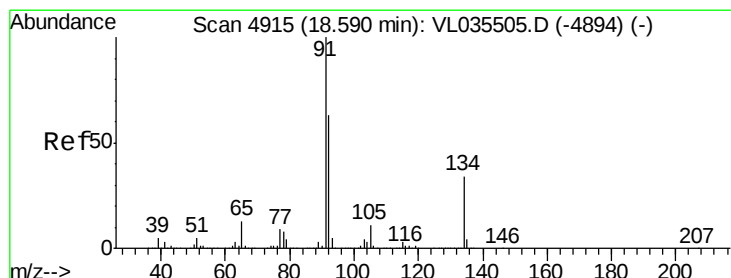
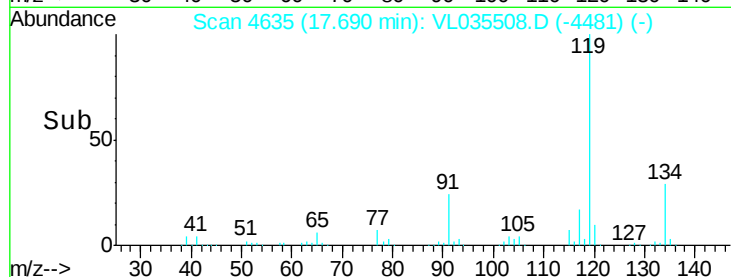
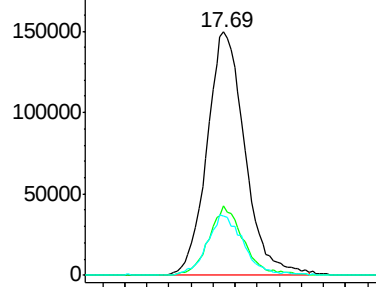


Abundance

Ion 119.10 (118.80 to 119.80): V

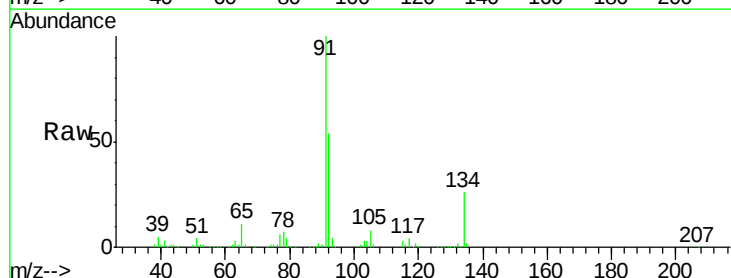
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 0.476 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	341077		
92	54.2		47.3	70.9
134	26.0		24.6	37.0

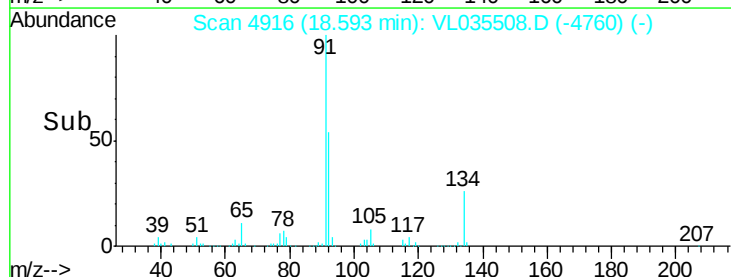
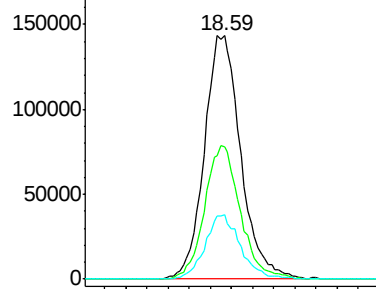


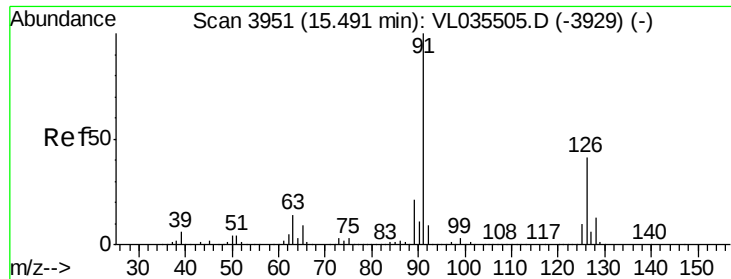
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





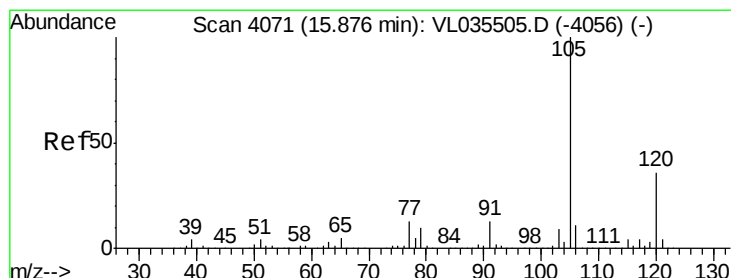
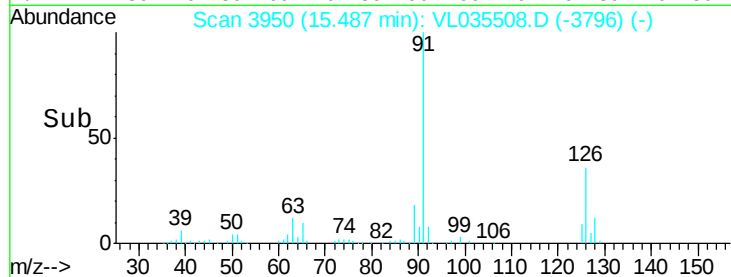
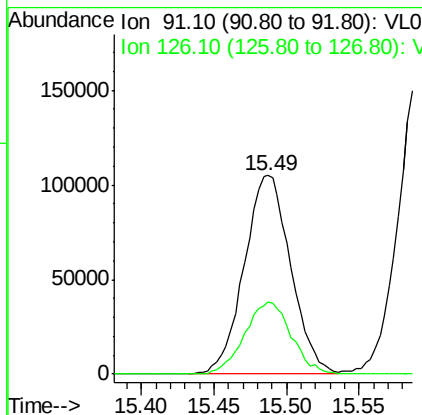
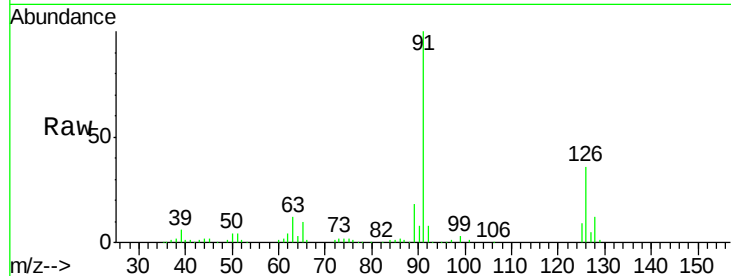
#71
 2-Chlorotoluene
 Concen: 0.475 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 233276
 Ion Ratio Lower Upper
 91 100
 126 36.9 15.6 62.6

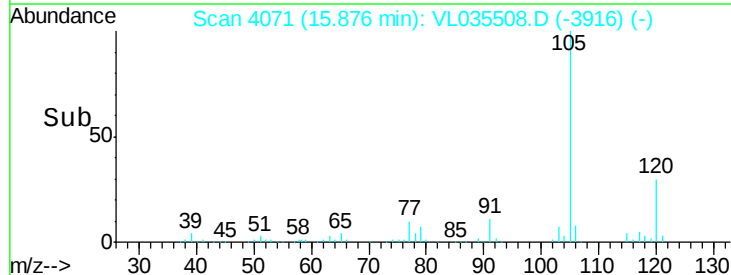
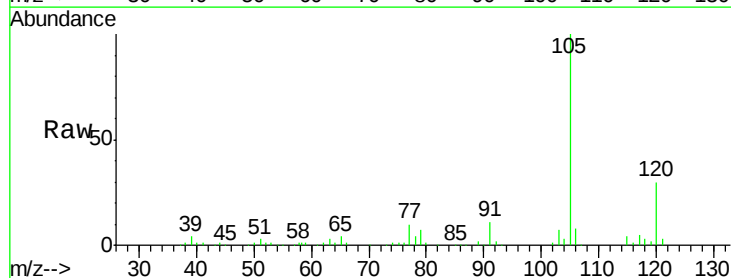
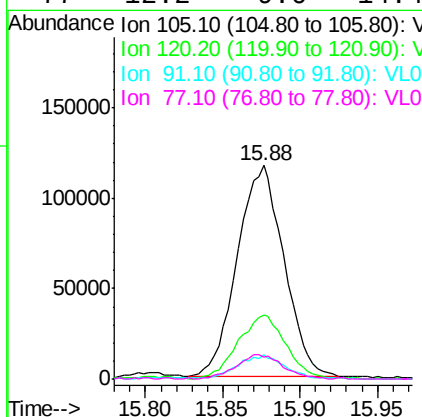
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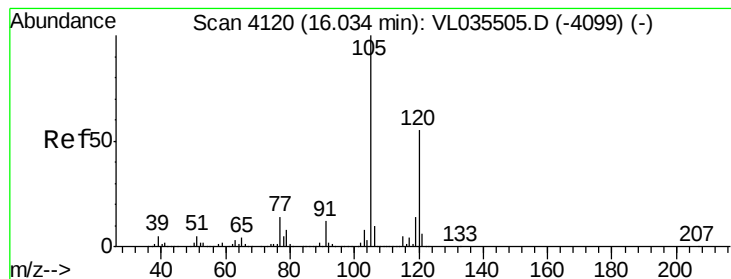
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#72
 4-Ethyltoluene
 Concen: 0.458 ppbv
 RT: 15.88 min Scan# 4071
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion: 105 Resp: 244848
 Ion Ratio Lower Upper
 105 100
 120 31.2 27.4 41.2
 91 12.6 9.7 14.5
 77 12.2 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 0.455 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. -0.00 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 225026

Ion Ratio Lower Upper

105 100

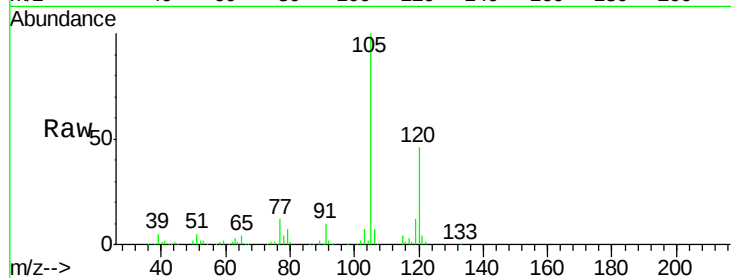
120 45.8 44.2 66.2

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

120000

100000

80000

60000

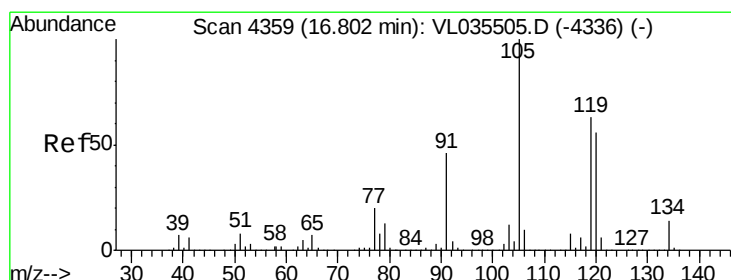
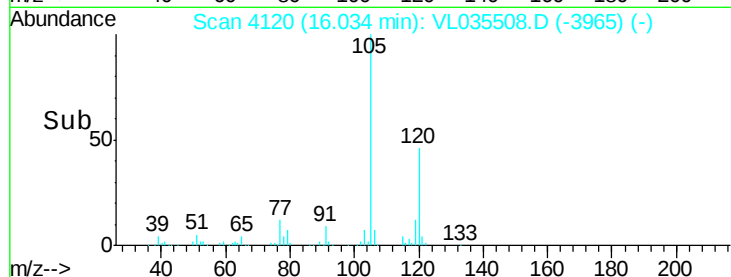
40000

20000

0

15.95 16.00 16.05 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.494 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:105 Resp: 268386

Ion Ratio Lower Upper

105 100

120 51.9 44.4 66.6

91 43.8 37.1 55.7

77 16.7 16.0 24.0

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

150000

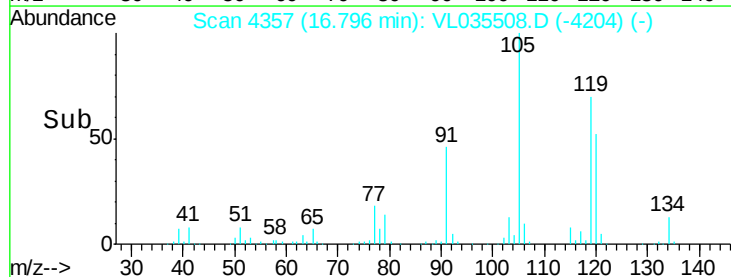
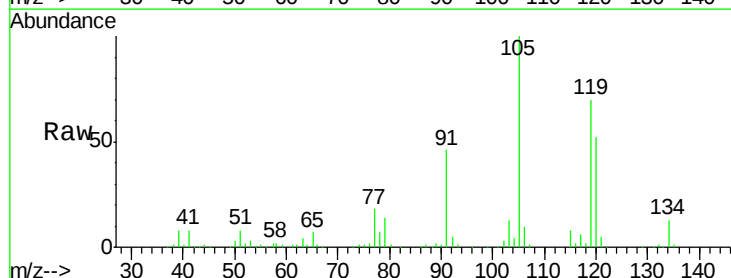
100000

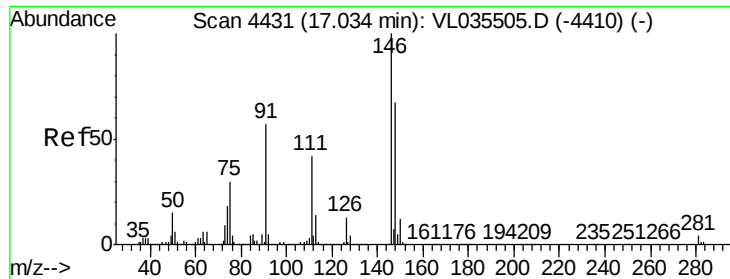
50000

0

16.70 16.75 16.80 16.85

Time-->





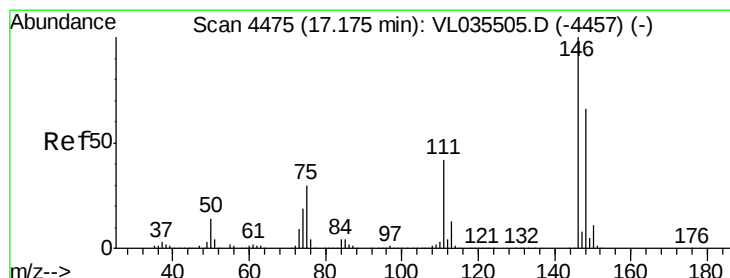
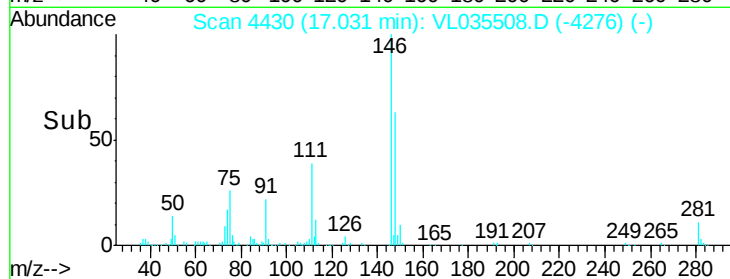
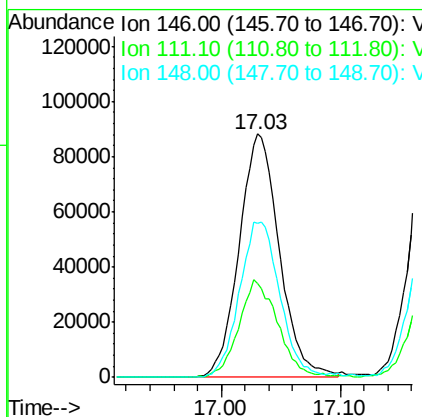
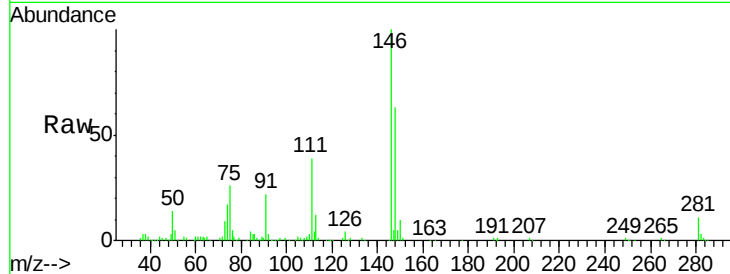
#75
 1,3-Dichlorobenzene
 Concen: 0.507 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	206207		
111	39.1	20.7	62.1	
148	64.9	33.0	98.9	

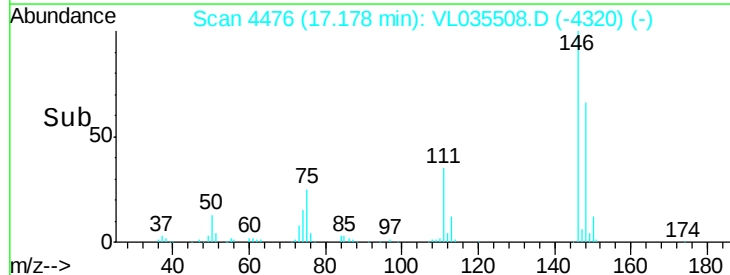
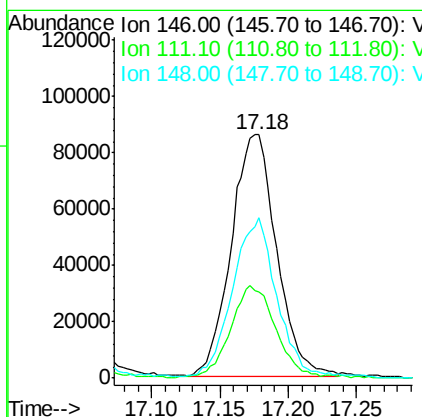
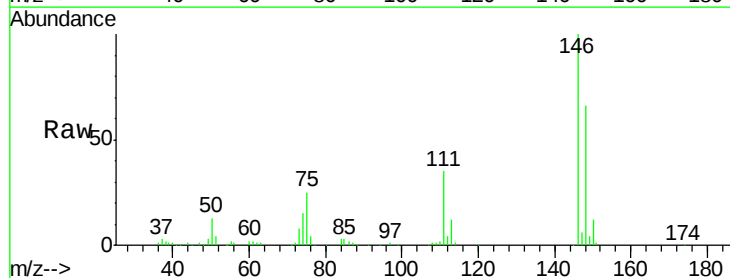
Manual Integrations
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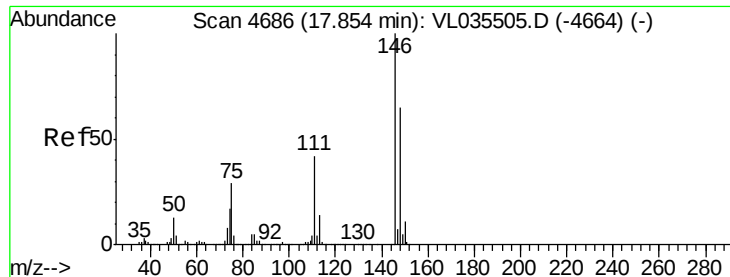
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#76
 1,4-Dichlorobenzene
 Concen: 0.486 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197353		
111	39.1	20.0	60.0	
148	66.4	33.2	99.6	





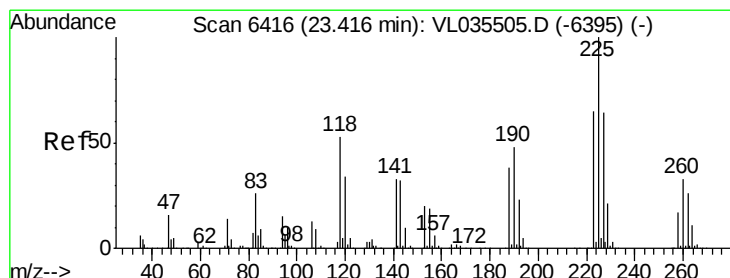
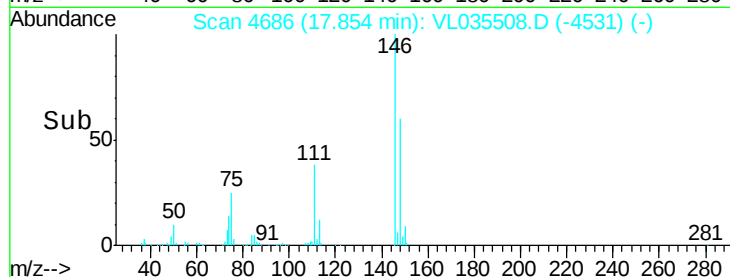
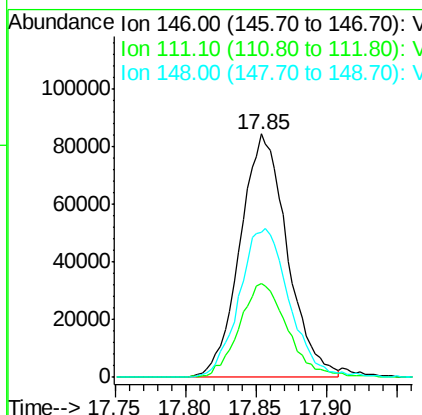
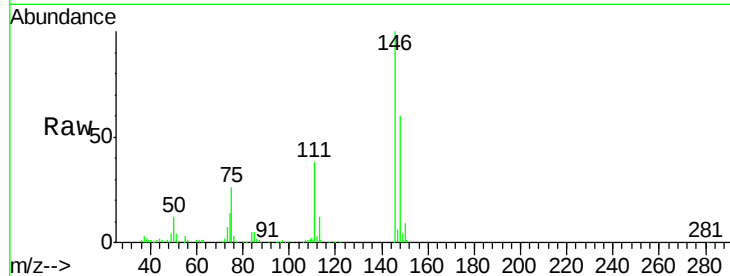
#77
 1,2-Dichlorobenzene
 Concen: 0.491 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196660		
111	40.0	21.1	63.3	
148	65.5	32.9	98.7	

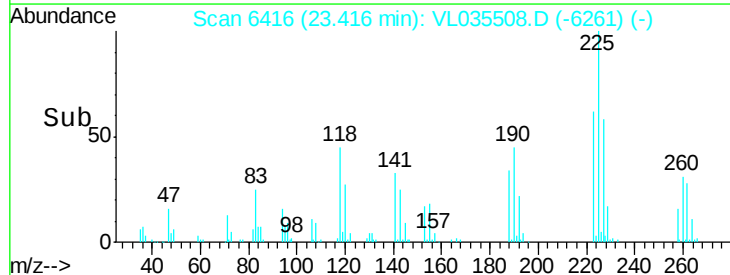
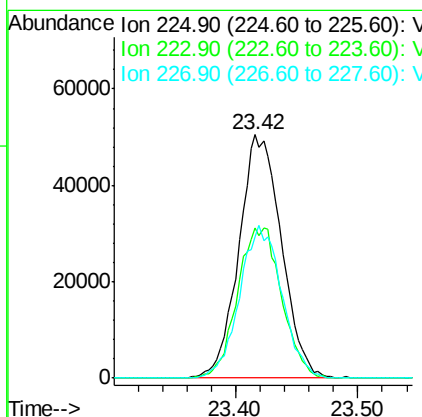
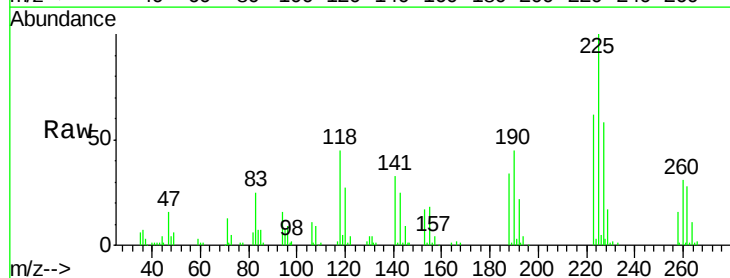
Manual Integrations
 APPROVED

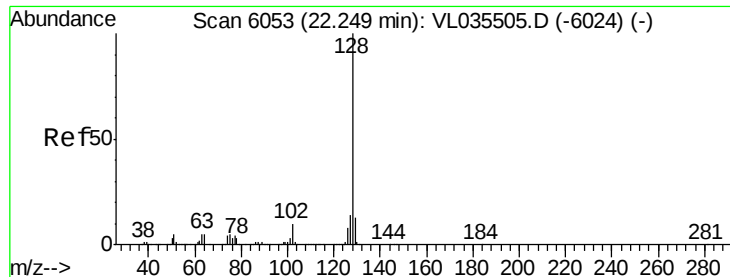
MMDadoda
 8/28/2020 3:17:30 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.442 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121547		
223	64.2	51.7	77.5	
227	62.3	51.5	77.3	





#79

Naphthalene

Concen: 0.376 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Instrument :

MSVOA_L

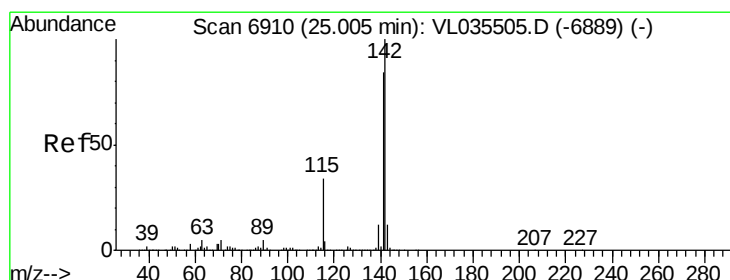
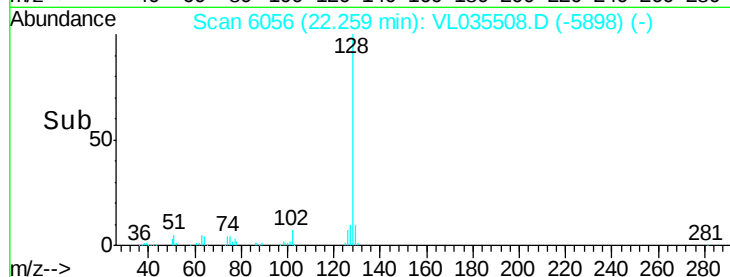
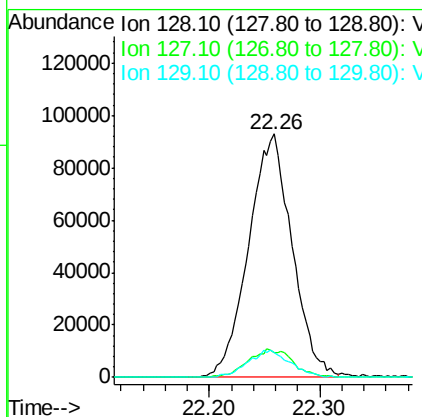
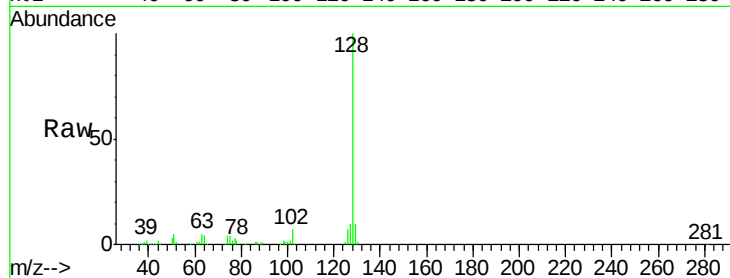
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	254034
Ion Ratio	Lower	Upper	
128	100		
127	10.3	11.4	17.2#
129	10.0	10.5	15.7#

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#80

Naphthalene, 2-methyl-

Concen: 0.232 ppbv

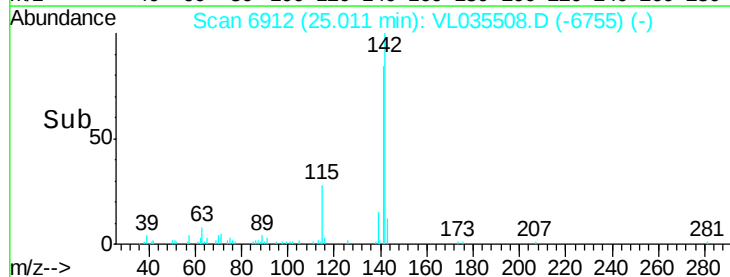
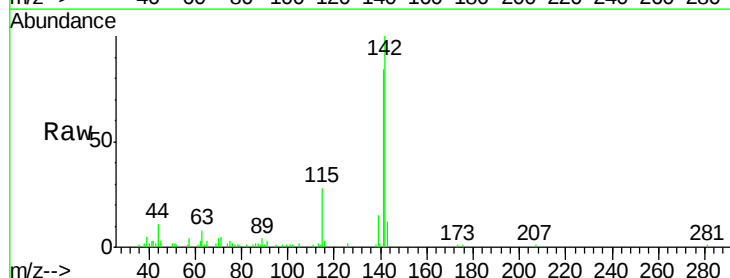
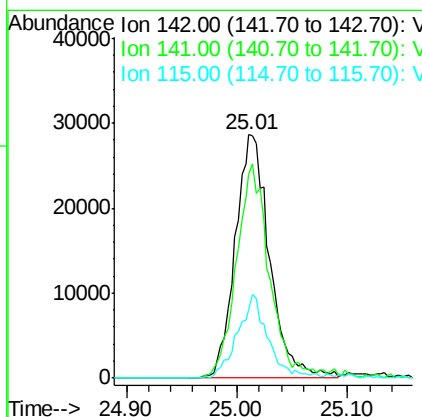
RT: 25.01 min Scan# 6912

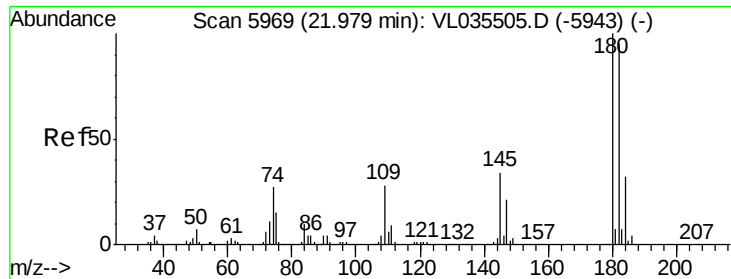
Delta R.T. 0.01 min

Lab File: VL035508.D

Acq: 27 Aug 2020 4:06

Tgt Ion:	142	Resp:	61673
Ion Ratio	Lower	Upper	
142	100		
141	86.3	67.6	101.4
115	31.6	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 0.418 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.00 min
 Lab File: VL035508.D
 Acq: 27 Aug 2020 4:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.3	114.5
184	31.3	25.3	37.9

Manual Integrations
 APPROVED

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