

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034172.D
 Acq On : 17 Sep 2019 5:30
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:57 AM

Quant Time: Sep 18 12:54:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 18 2019
 QLast Update : Tue Sep 17 05:58:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1316124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2208119	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2267446	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1972201	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	196258	0.940 ppbv	97
3) Chlorodifluoromethane	2.98	51	166834	1.121 ppbv	96
4) Chloromethane	3.13	50	92393	1.008 ppbv #	86
5) Vinyl Chloride	3.25	62	86242	1.032 ppbv #	88
6) Bromomethane	3.47	94	39634	0.972 ppbv	97
7) Chloroethane	3.56	64	30554	1.069 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	187322	1.075 ppbv	100
9) Propene	2.99	41	80927	0.995 ppbv	98
10) Heptane	8.18	43	206816	0.975 ppbv	99
11) Trichlorofluoromethane	3.95	101	188574	1.064 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	122505	1.040 ppbv	96
13) Ethanol	3.60	45	23062m	1.455 ppbv	
14) Bromoethene	3.74	108	49363	0.971 ppbv	99
15) Acetone	3.85	43	202630	1.275 ppbv	98
16) 1,3-Butadiene	3.32	39	77376	0.966 ppbv	100
17) tert-Butyl alcohol	4.31	59	126236m	1.102 ppbv	
18) 1,1-Dichloroethene	4.30	96	47709m	0.891 ppbv	
19) Isopropyl Alcohol	3.98	45	128654	1.210 ppbv #	98
20) Methylene Chloride	4.36	84	52856	1.016 ppbv	93
21) Allyl Chloride	4.42	41	100257	0.962 ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	52498	0.976 ppbv	82
23) Vinyl Acetate	5.10	43	271112	1.014 ppbv #	96
24) 1,1-Dichloroethane	5.03	63	188040	1.055 ppbv	99
25) Ethyl Acetate	5.71	43	362043	1.043 ppbv	99
26) Hexane	5.72	57	145539	0.944 ppbv	90
27) Carbon Disulfide	4.57	76	123557	0.893 ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	220880	0.988 ppbv	97
29) Chloroform	5.78	83	201462	0.968 ppbv	95
30) Cyclohexane	7.18	84	105297	0.955 ppbv	96
31) cis-1,2-Dichloroethene	5.58	61	140534	0.951 ppbv	95
32) 1,1,1-Trichloroethane	6.55	97	191595	0.973 ppbv	98
34) 2-Butanone	5.28	43	247791	1.148 ppbv	97
35) Carbon Tetrachloride	7.06	117	184030	1.055 ppbv	94
36) Benzene	6.94	78	260427	1.033 ppbv	96
37) 1,2-Dichloroethane	6.34	62	186524	1.168 ppbv	100
38) Trichloroethene	7.89	130	89641	0.948 ppbv	95
39) 1,2-Dichloropropane	7.67	63	118928m	1.092 ppbv	
40) 1,4-Dioxane	7.91	88	44248m	1.121 ppbv	
41) Tetrahydrofuran	6.10	42	135620	1.055 ppbv	96
42) Bromodichloromethane	7.85	83	217575m	1.064 ppbv	
43) Methyl Methacrylate	8.07	69	98897	0.949 ppbv	92

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

44) 2,2,4-Trimethylpentane	7.92	57	523875	1.114	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	110492m	0.898	ppbv	
46) cis-1,3-Dichloropropene	8.76	75	141561	0.946	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	101372	1.027	ppbv	95
48) Dibromochloromethane	10.38	129	160386	1.075	ppbv	100
49) Bromoform	13.12	173	124791m	0.963	ppbv	
50) 4-Methyl-2-Pentanone	8.81	43	366207	1.114	ppbv	95
51) 2-Hexanone	10.21	43	305252	1.077	ppbv #	95
52) Tetrachloroethene	11.30	164	79264	0.892	ppbv	93
53) Toluene	9.87	91	283418	1.015	ppbv	99
54) 1,2-Dibromoethane	10.68	107	159855	1.083	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.20	131	108850	1.107	ppbv #	1
57) Chlorobenzene	12.23	112	217804	1.113	ppbv	96
58) Ethyl Benzene	12.79	91	408264	1.096	ppbv	94
59) m/p-Xylene	13.08	91	693665m	2.282	ppbv	
60) o-Xylene	13.77	91	342965	1.131	ppbv	95
61) Styrene	13.61	104	233781	1.037	ppbv	99
62) Isopropylbenzene	14.75	105	441699	1.120	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.76	83	260728	1.054	ppbv	97
64) n-propylbenzene	15.65	120	108581	1.098	ppbv	74
65) tert-Butylbenzene	16.83	119	403200	1.182	ppbv	99
66) Benzyl Chloride	17.08	91	104896	0.850	ppbv	98
67) sec-Butylbenzene	17.38	105	572332	1.165	ppbv	97
69) p-Isopropyltoluene	17.74	119	456952	1.162	ppbv	98
70) n-Butylbenzene	18.64	91	540360	1.202	ppbv	95
71) 2-Chlorotoluene	15.54	91	363074m	1.126	ppbv	
72) 4-Ethyltoluene	15.92	105	373522	1.091	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	371692	1.117	ppbv	95
74) 1,2,4-Trimethylbenzene	16.84	105	408608m	1.188	ppbv	
75) 1,3-Dichlorobenzene	17.09	146	220949m	1.212	ppbv	
76) 1,4-Dichlorobenzene	17.23	146	222630	1.168	ppbv	97
77) 1,2-Dichlorobenzene	17.91	146	214503	1.151	ppbv	97
78) Hexachloro-1,3-Butadiene	23.47	225	146607m	1.166	ppbv	
79) Naphthalene	22.32	128	355548m	1.156	ppbv	
80) Naphthalene, 2-methyl-	25.06	142	169283	1.625	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	194134	1.155	ppbv	99

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

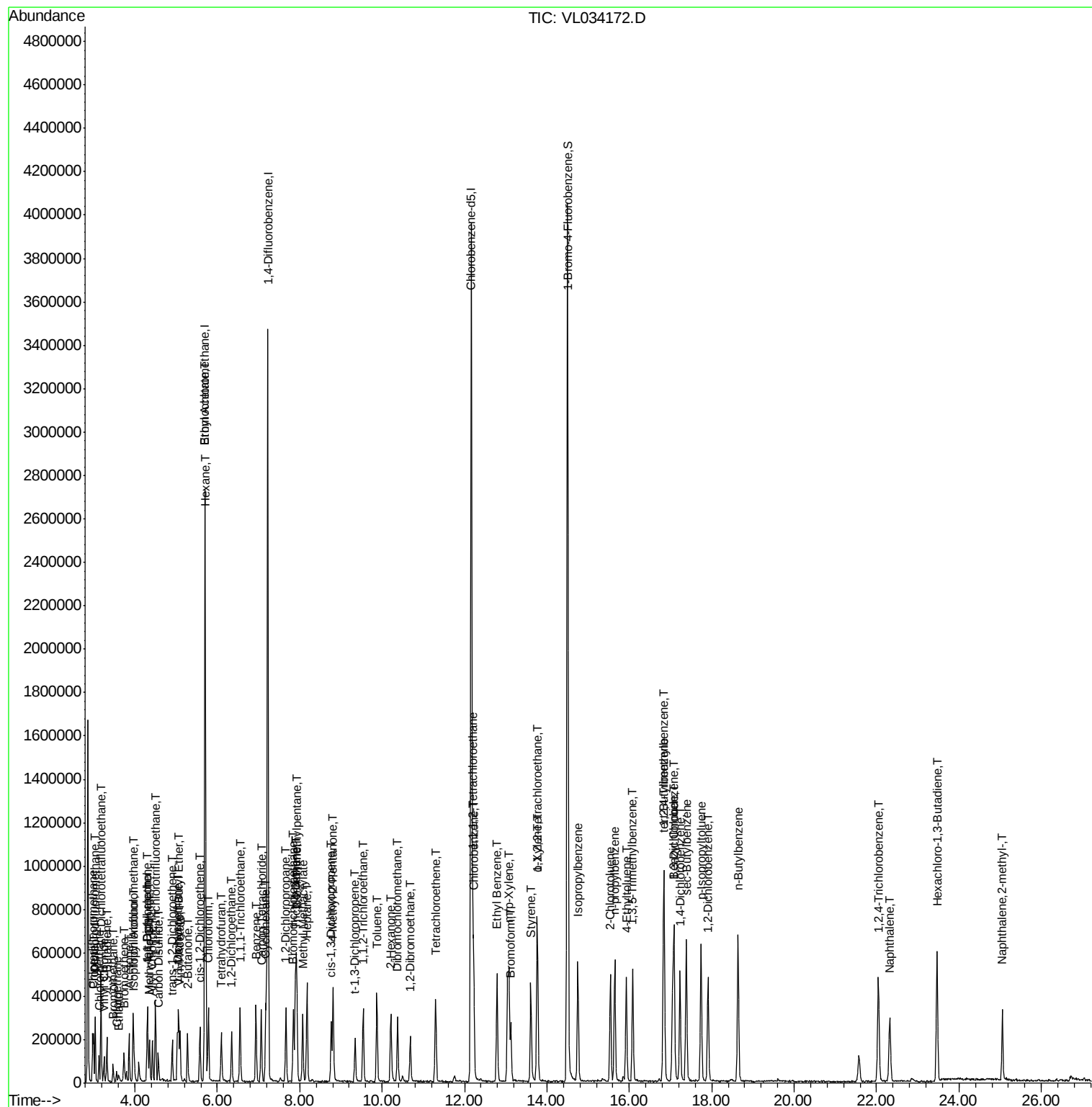
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091719\
Data File : VL034172.D
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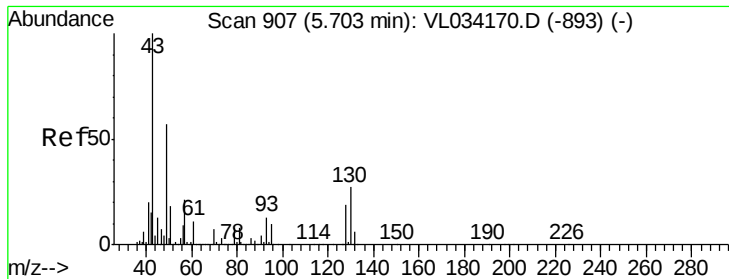
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1316124

Ion Ratio Lower Upper

49 100

128 35.4 17.6 52.9

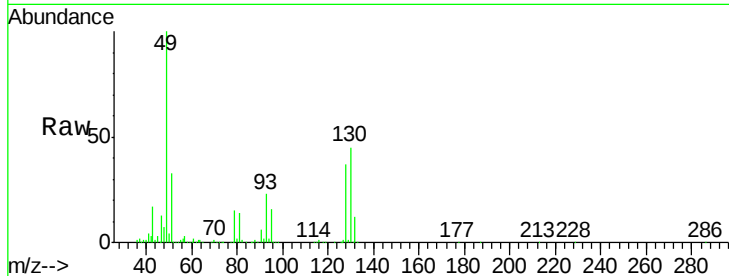
130 44.9 22.3 66.9

Manual Integrations

APPROVED

MMDadoda

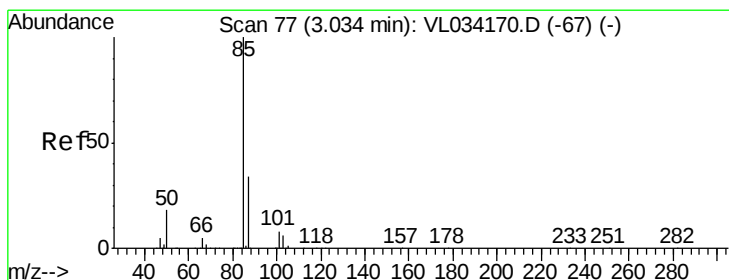
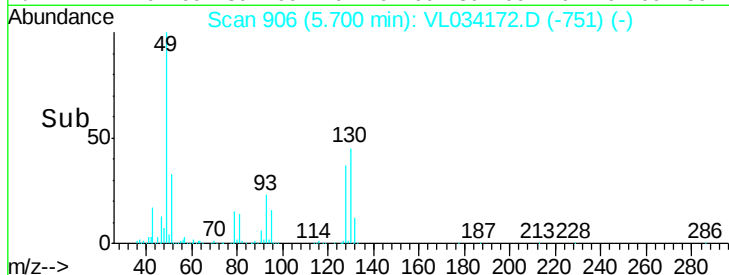
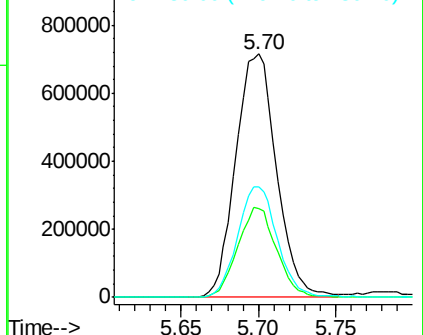
9/20/2019 12:43:57 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.940 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL034172.D

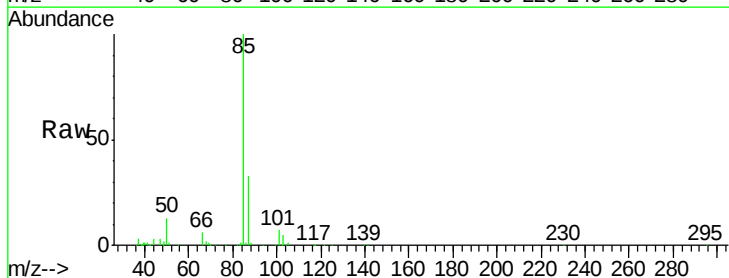
Acq: 17 Sep 2019 5:30

Tgt Ion: 85 Resp: 196258

Ion Ratio Lower Upper

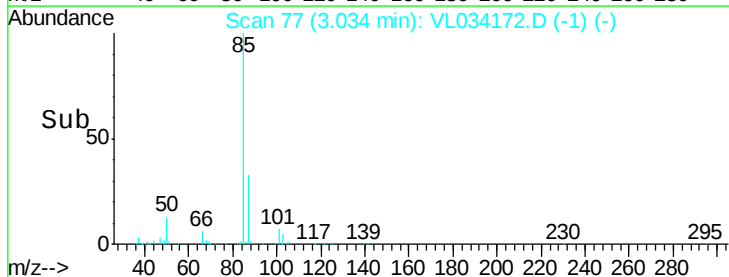
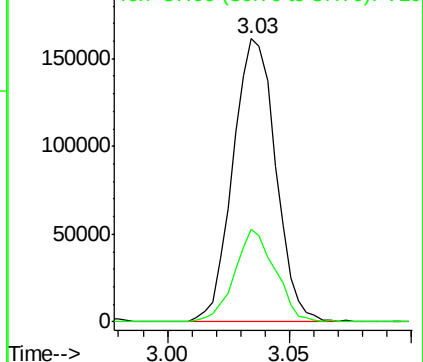
85 100

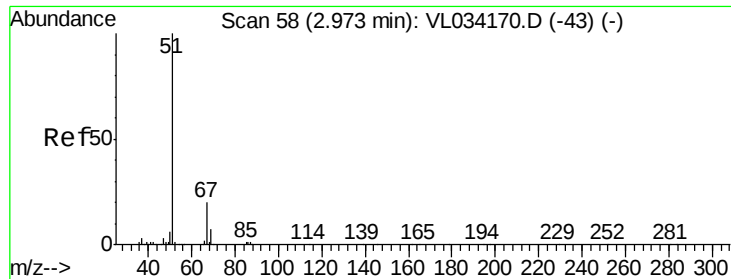
87 32.5 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.121 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 166834

Ion Ratio Lower Upper

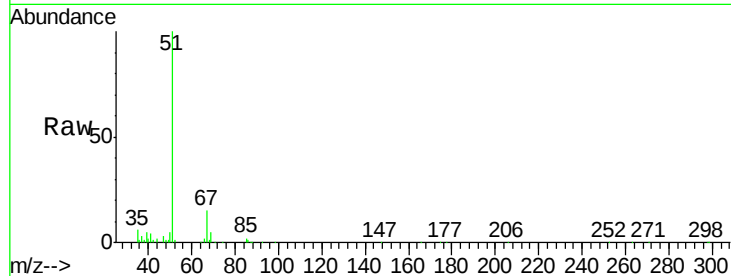
51 100

67 16.7 14.8 22.2

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

150000

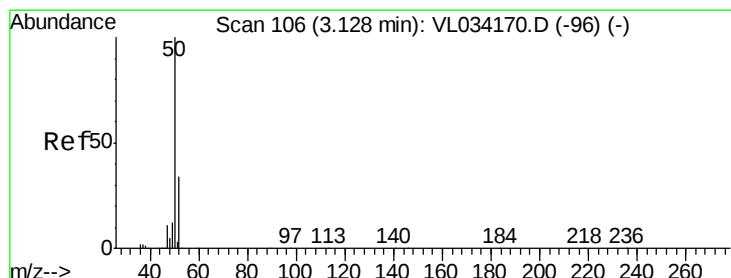
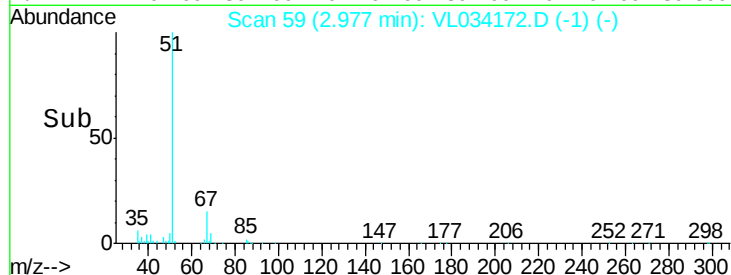
100000

50000

0

2.90 2.95 3.00 3.05

Time-->



#4

Chloromethane

Concen: 1.008 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL034172.D

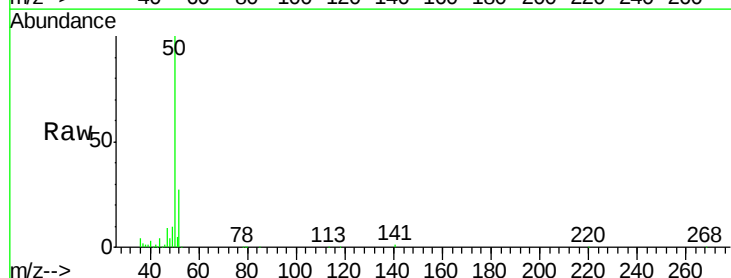
Acq: 17 Sep 2019 5:30

Tgt Ion: 50 Resp: 92393

Ion Ratio Lower Upper

50 100

52 25.9 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

80000

60000

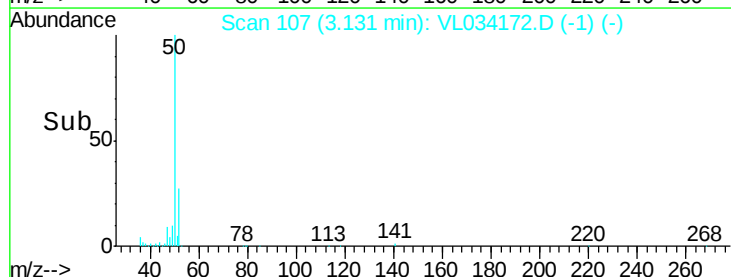
40000

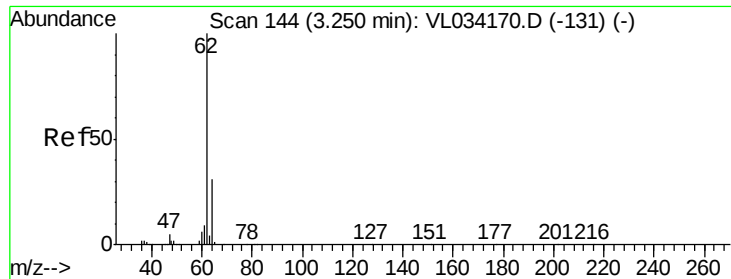
20000

0

3.10 3.12 3.14 3.16

Time-->





#5

Vinyl Chloride

Concen: 1.032 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 86242

Ion Ratio Lower Upper

62 100

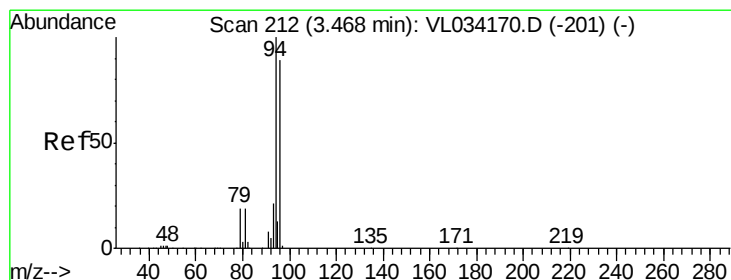
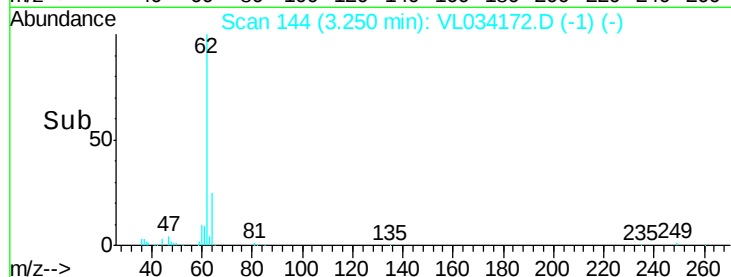
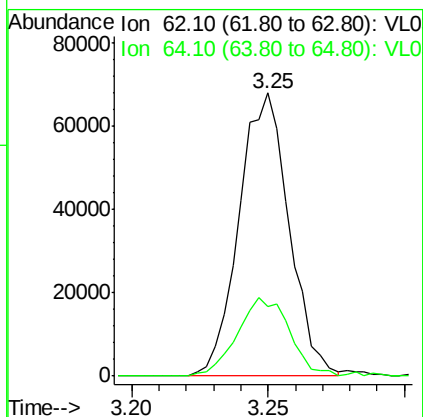
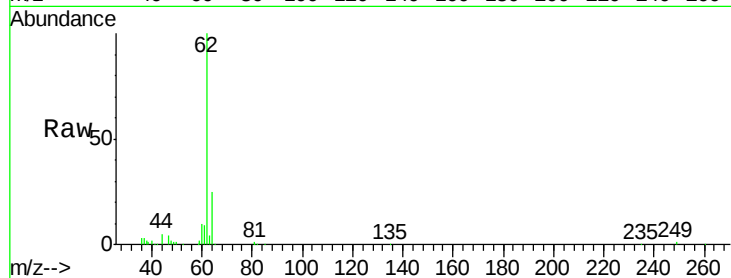
64 24.7 25.2 37.8#

Manual Integrations

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#6

Bromomethane

Concen: 0.972 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL034172.D

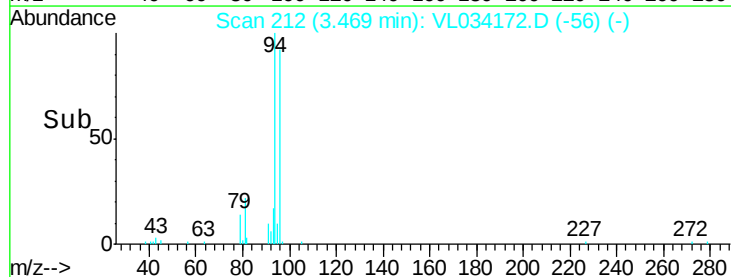
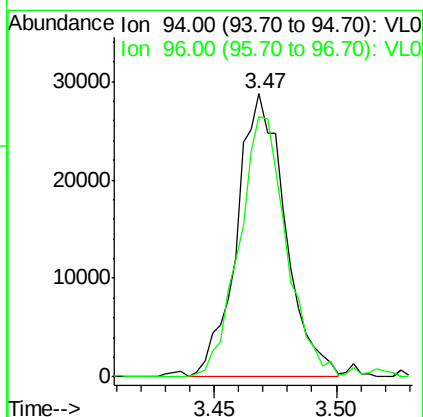
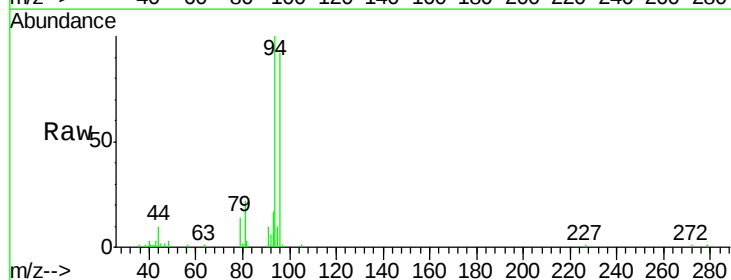
Acq: 17 Sep 2019 5:30

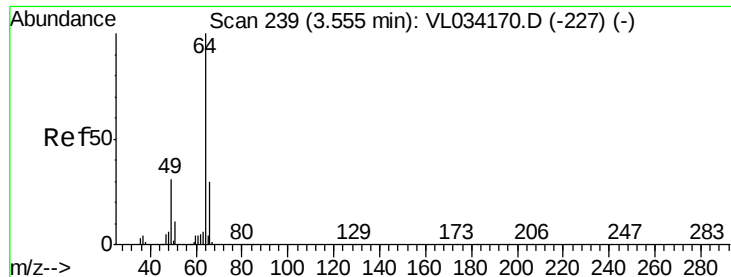
Tgt Ion: 94 Resp: 39634

Ion Ratio Lower Upper

94 100

96 92.0 71.3 106.9





#7

Chloroethane

Concen: 1.069 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 30554

Ion Ratio Lower Upper

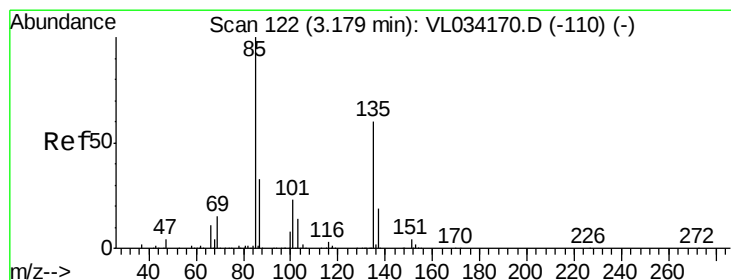
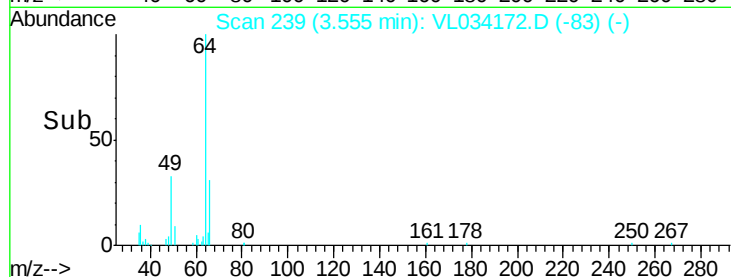
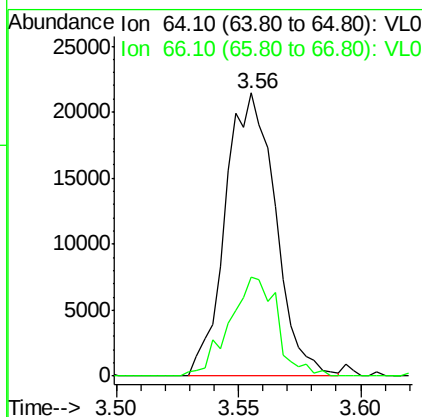
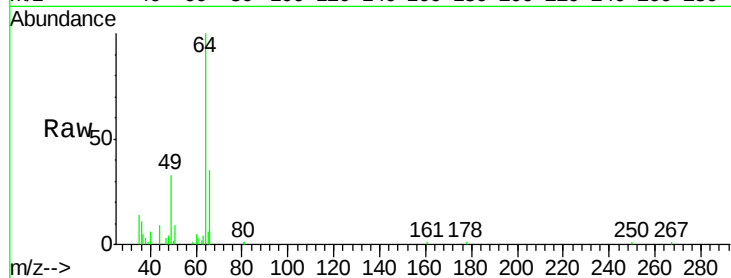
64 100

66 35.2 24.2 36.4

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#8

Dichlorotetrafluoroethane

Concen: 1.075 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL034172.D

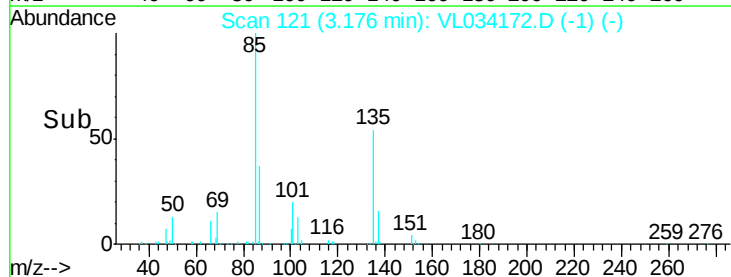
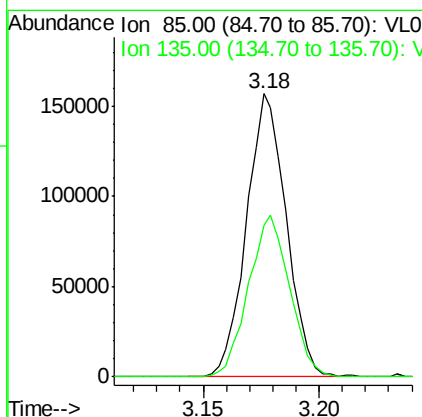
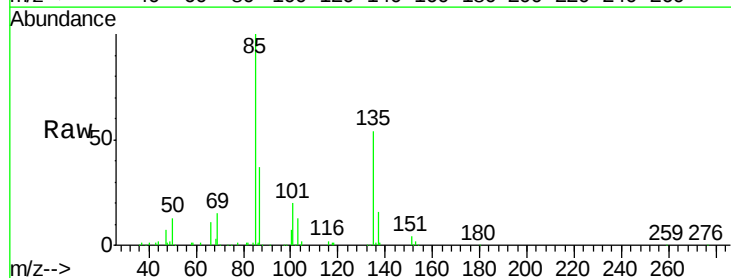
Acq: 17 Sep 2019 5:30

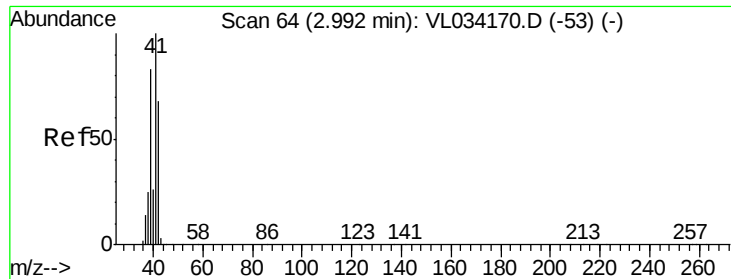
Tgt Ion: 85 Resp: 187322

Ion Ratio Lower Upper

85 100

135 59.3 47.3 70.9





#9

Propene

Concen: 0.995 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 80927

Ion Ratio Lower Upper

41 100

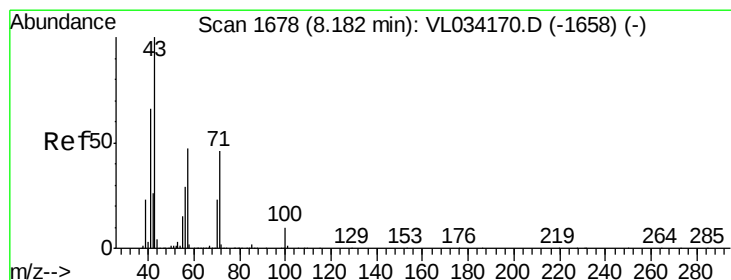
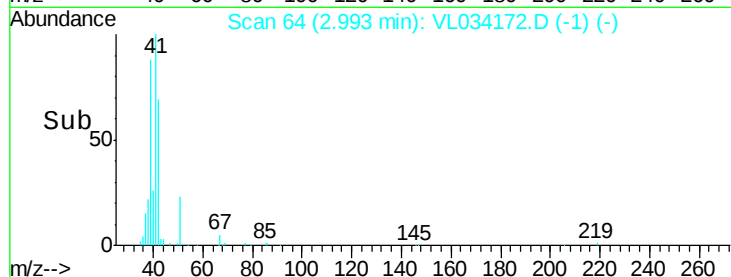
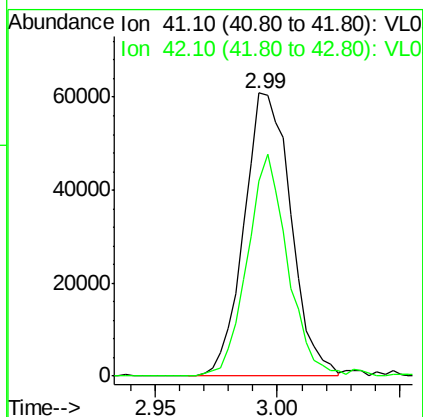
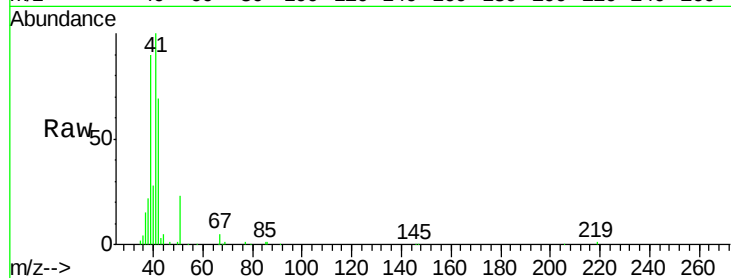
42 68.3 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 0.975 ppbv

RT: 8.18 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VL034172.D

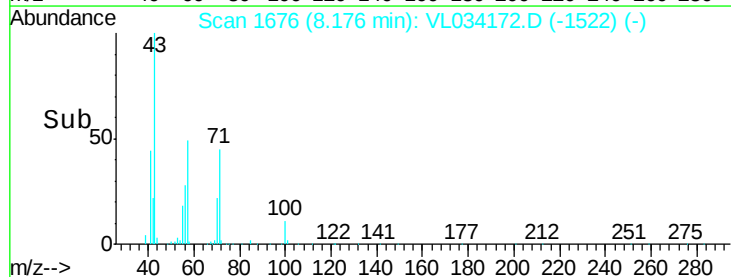
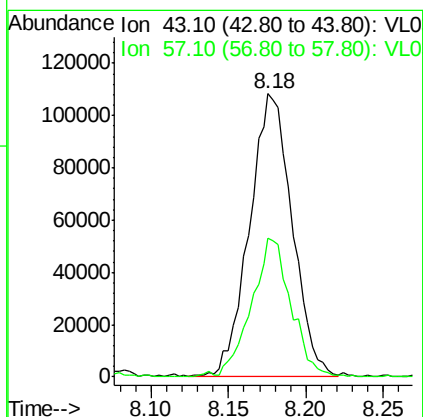
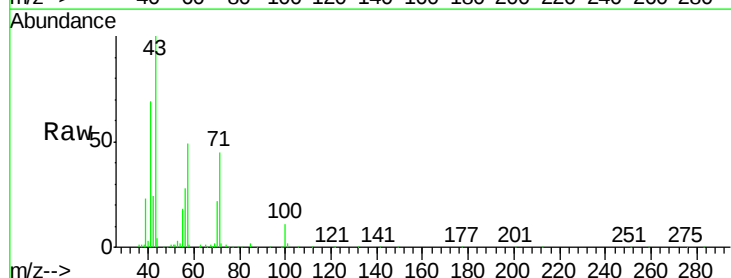
Acq: 17 Sep 2019 5:30

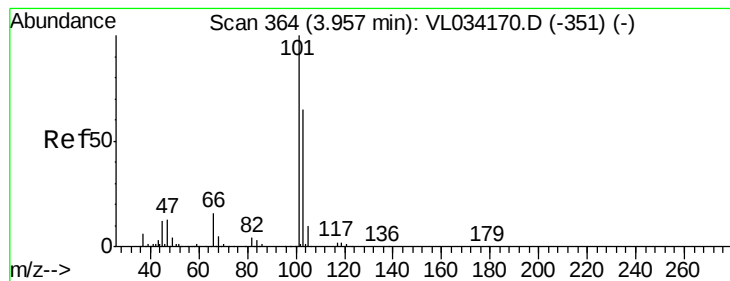
Tgt Ion: 43 Resp: 206816

Ion Ratio Lower Upper

43 100

57 46.1 37.5 56.3





#11

Trichlorofluoromethane

Concen: 1.064 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 188574

Ion Ratio Lower Upper

101 100

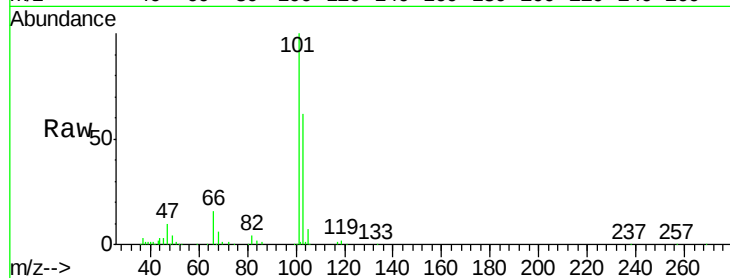
103 61.8 52.1 78.1

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

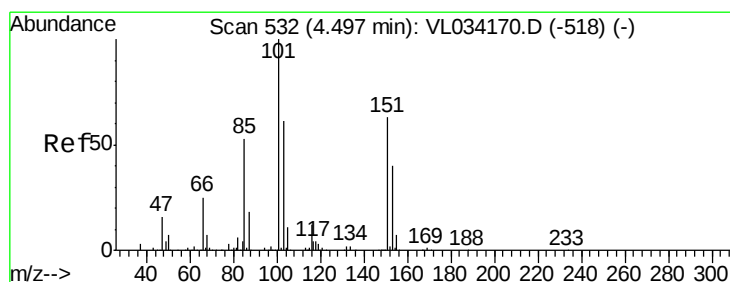
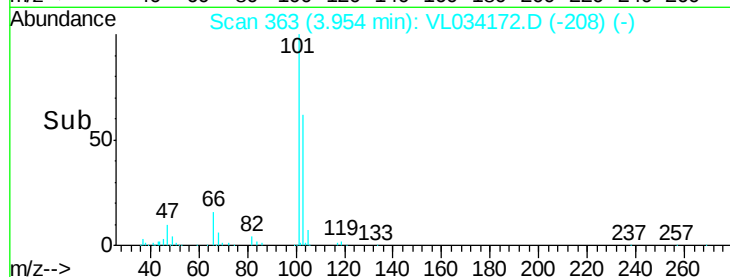
100000

50000

0

3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.040 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.00 min

Lab File: VL034172.D

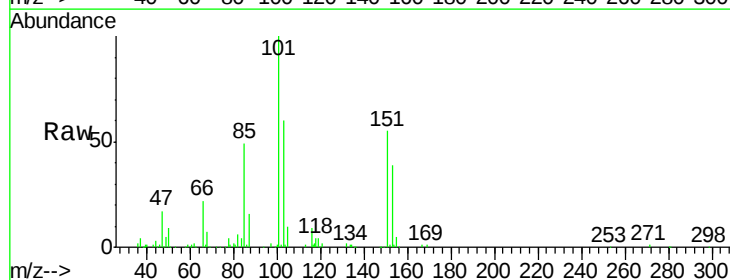
Acq: 17 Sep 2019 5:30

Tgt Ion:101 Resp: 122505

Ion Ratio Lower Upper

101 100

151 61.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

80000

60000

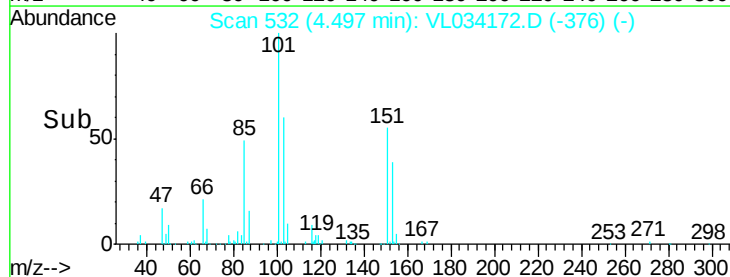
40000

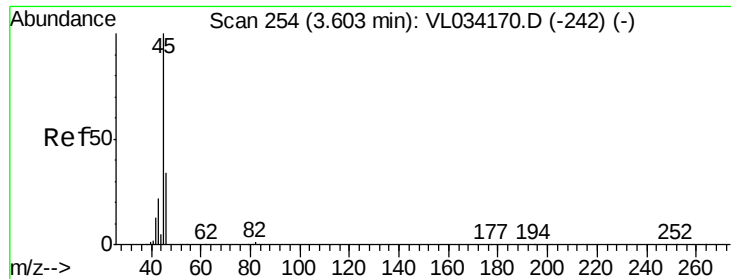
20000

0

4.45 4.50 4.55

Time-->





#13

Ethanol

Concen: 1.455 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 23062

Ion Ratio Lower Upper

45 100

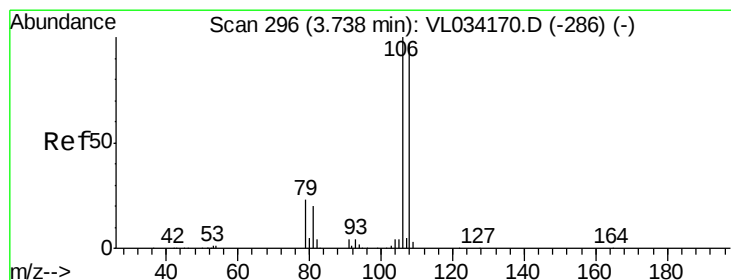
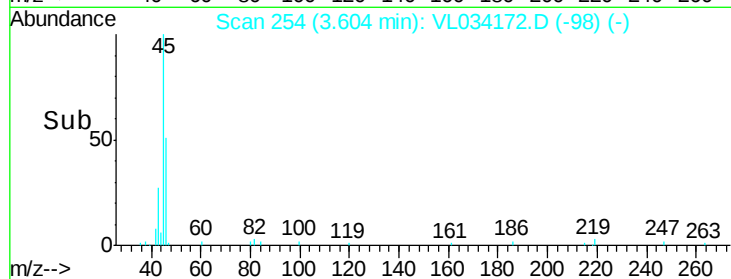
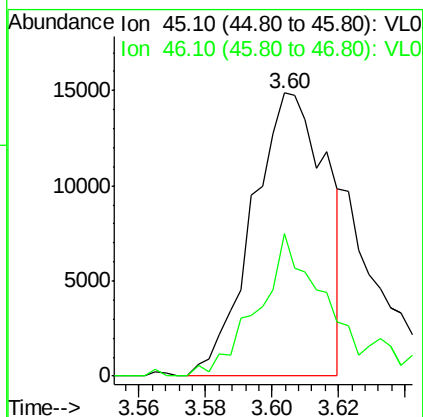
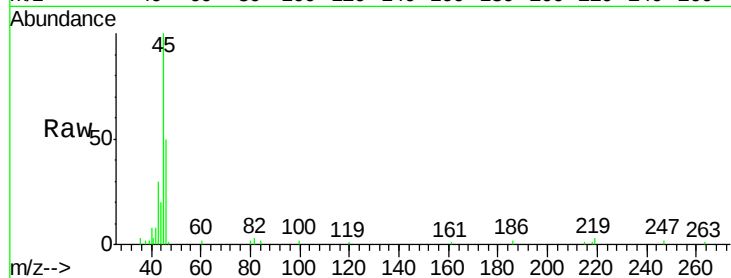
46 53.2 15.5 61.9

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#14

Bromoethene

Concen: 0.971 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

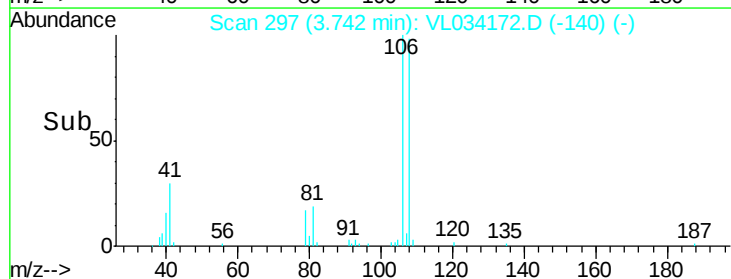
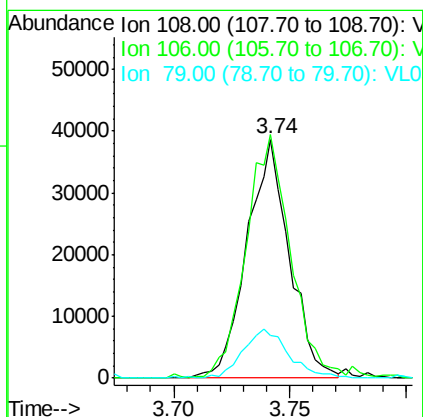
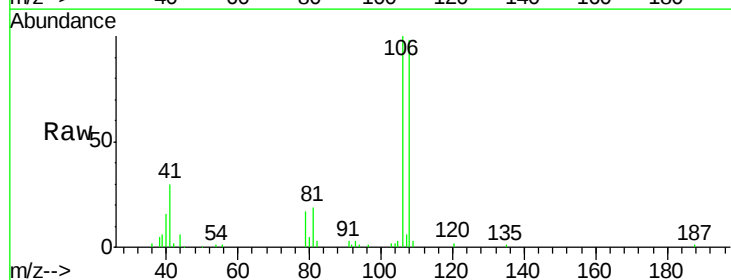
Tgt Ion: 108 Resp: 49363

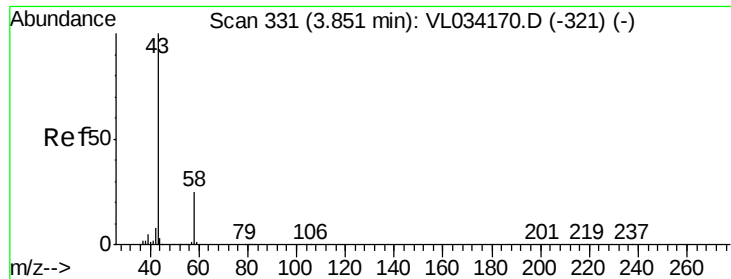
Ion Ratio Lower Upper

108 100

106 108.7 86.2 129.4

79 22.1 18.6 27.8





#15

Acetone

Concen: 1.275 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 202630

Ion Ratio Lower Upper

43 100

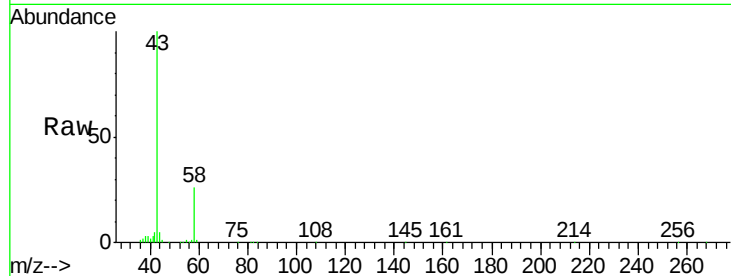
58 26.9 20.5 30.7

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

3.85

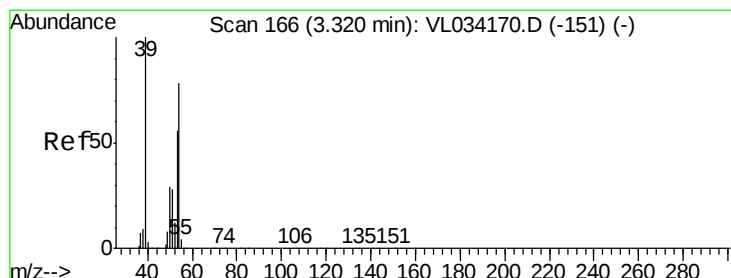
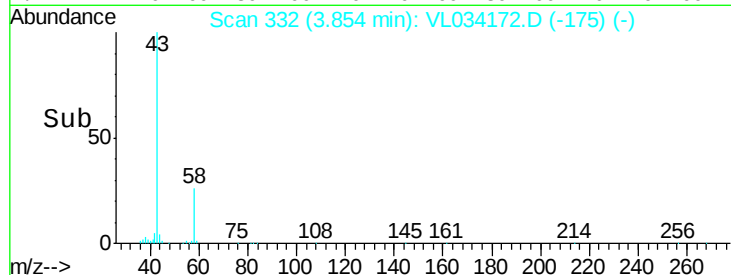
150000

100000

50000

0

Time--> 3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 0.966 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL034172.D

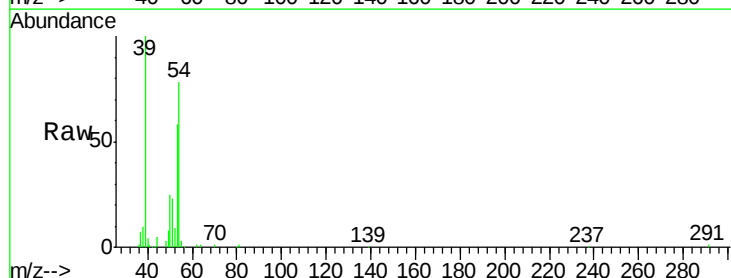
Acq: 17 Sep 2019 5:30

Tgt Ion: 39 Resp: 77376

Ion Ratio Lower Upper

39 100

54 78.9 63.4 95.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

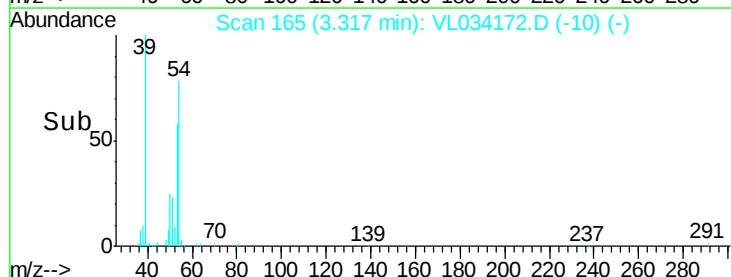
60000

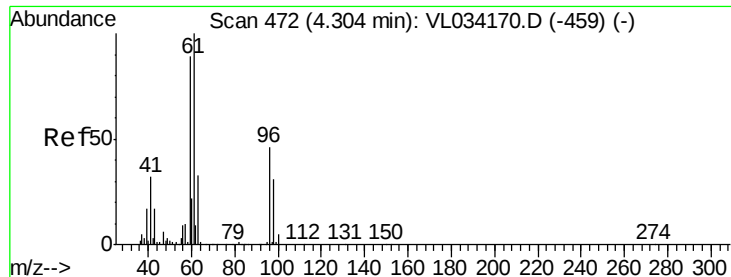
40000

20000

0

Time--> 3.25 3.30 3.35





#17

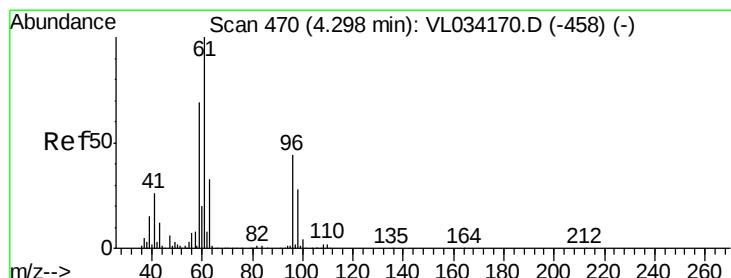
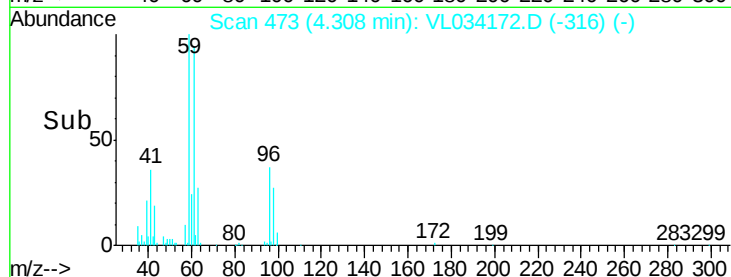
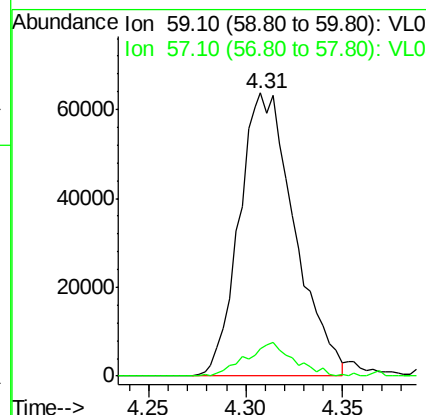
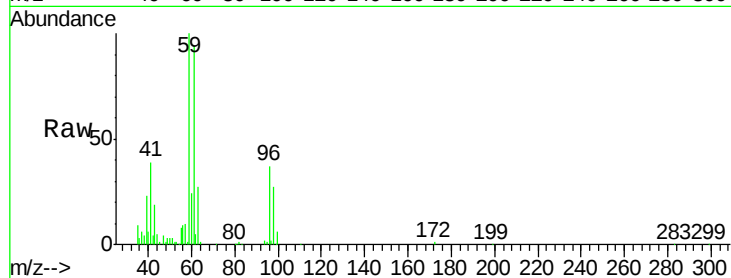
tert-Butyl alcohol
 Concen: 1.102 ppbv m
 RT: 4.31 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

Manual Integrations
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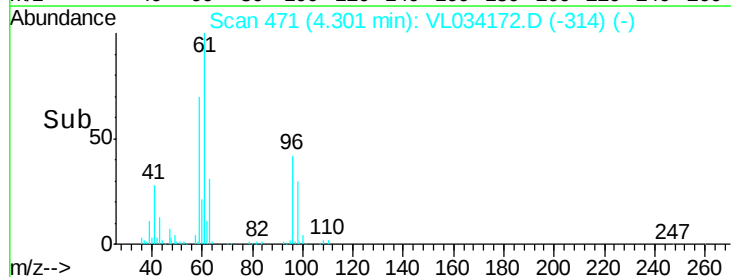
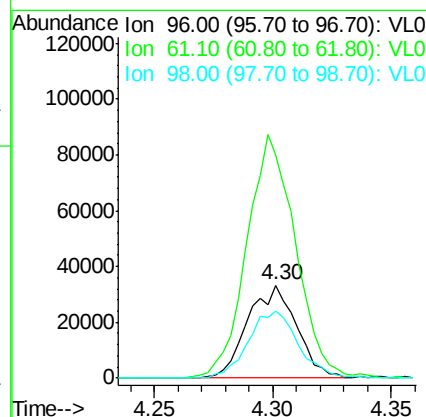
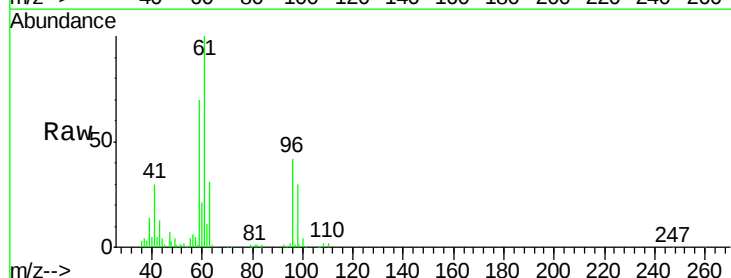
MMDadoda
 9/20/2019 12:43:57 AM

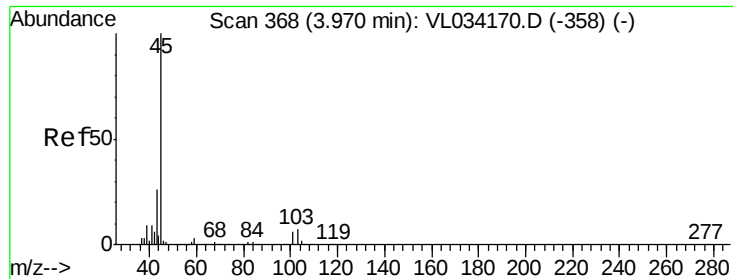


#18

1,1-Dichloroethene
 Concen: 0.891 ppbv m
 RT: 4.30 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	240.4	183.3	274.9
98	71.6	51.4	77.2





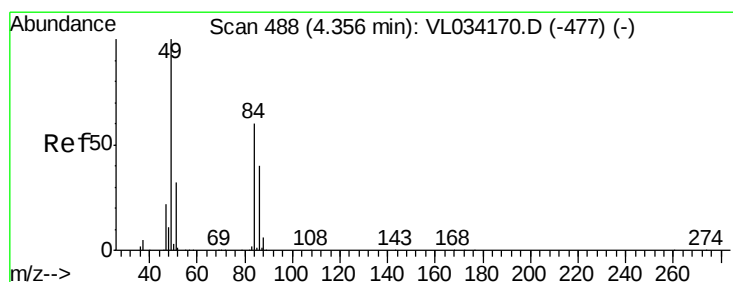
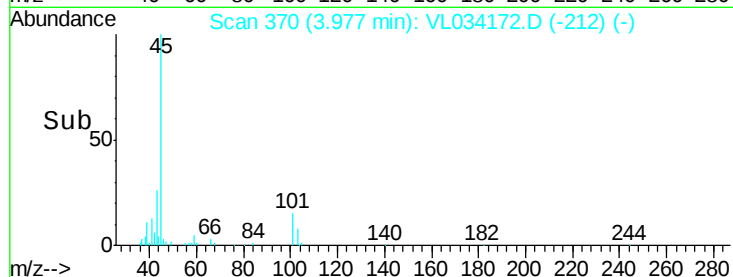
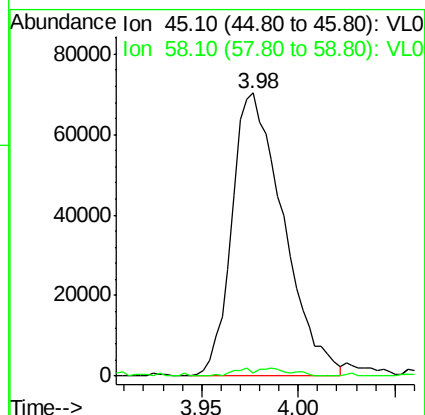
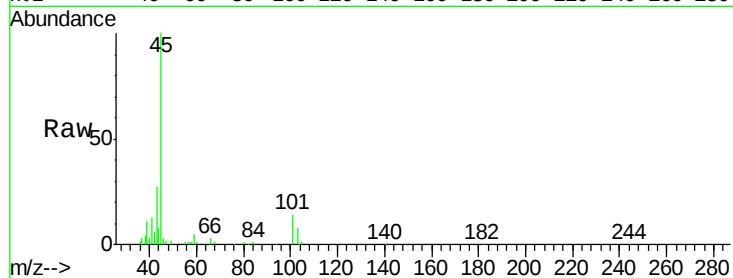
#19
Isopropyl Alcohol
Concen: 1.210 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.6	1.4	2.0#

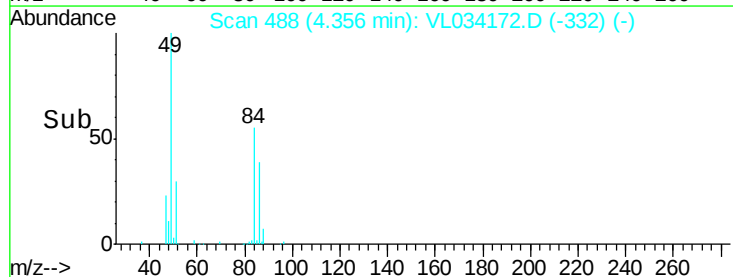
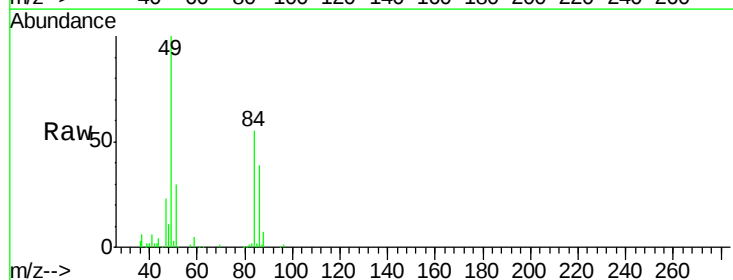
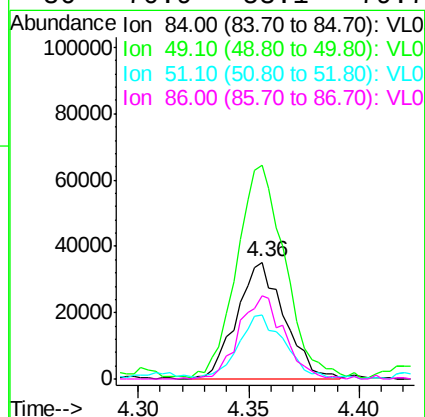
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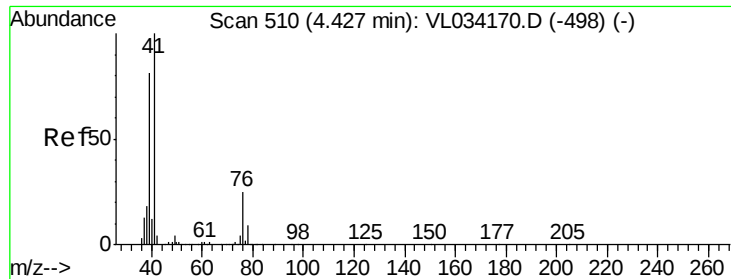
MMDadoda
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#20
Methylene Chloride
Concen: 1.016 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	180.9	133.8	200.8
51	53.9	43.6	65.4
86	70.9	53.1	79.7





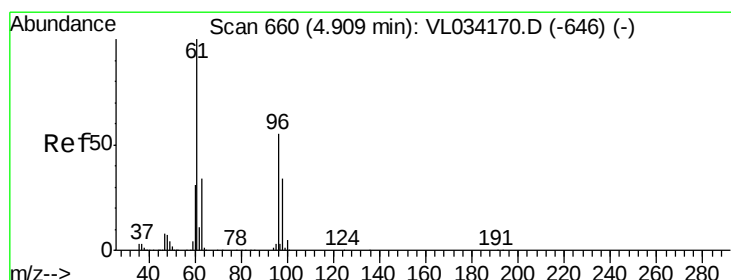
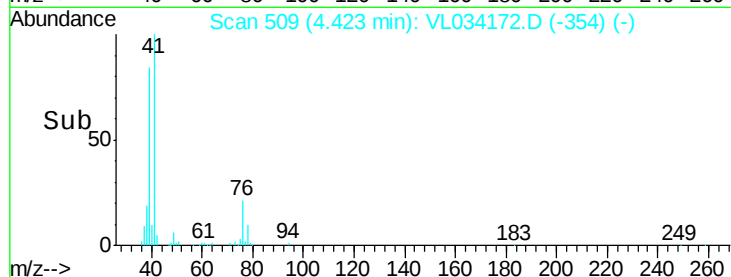
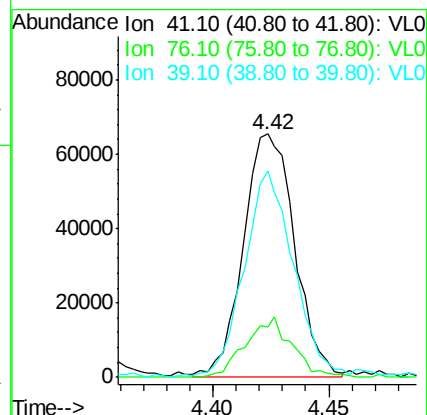
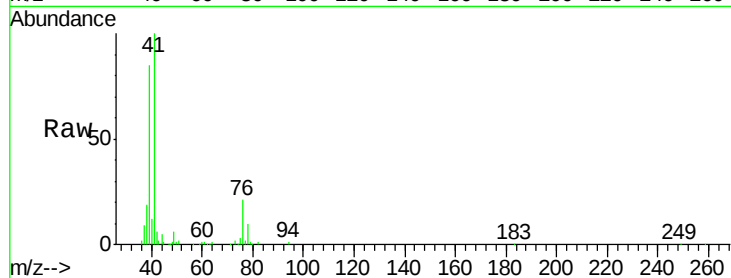
#21
Allvl Chloride
Concen: 0.962 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	22.8	21.8	32.6
39	83.6	64.8	97.2

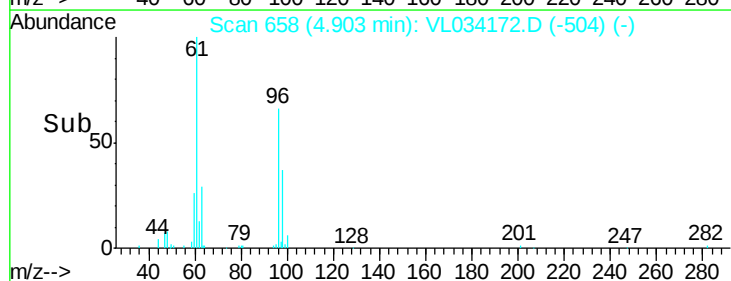
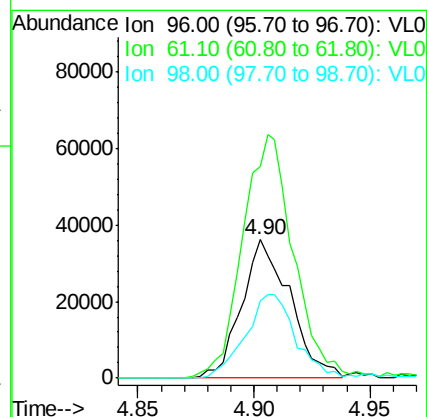
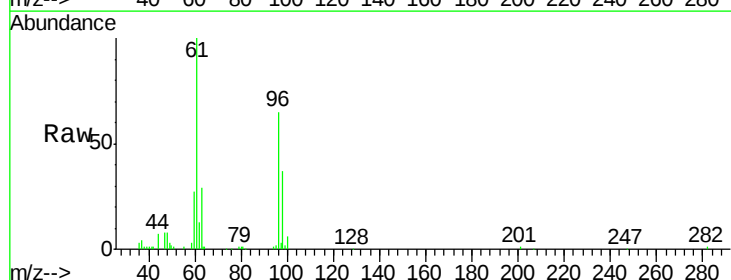
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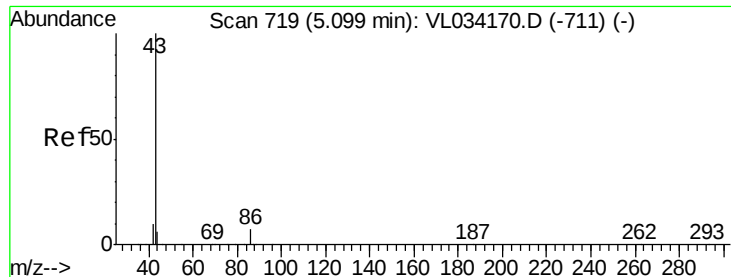
MMDadoda
9/20/2019 12:43:57 AM



#22
trans-1,2-Dichloroethene
Concen: 0.976 ppbv
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	145.5	218.3
98	56.1	49.9	74.9





#23

Vinyl Acetate

Concen: 1.014 ppbv

RT: 5.10 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

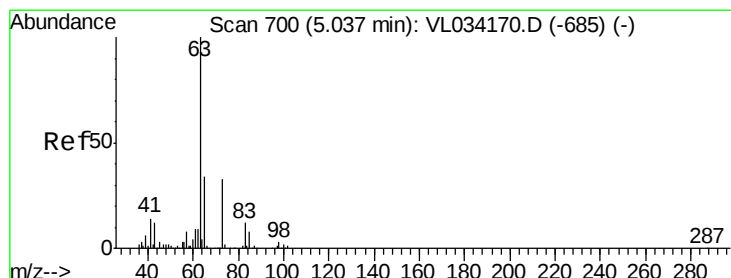
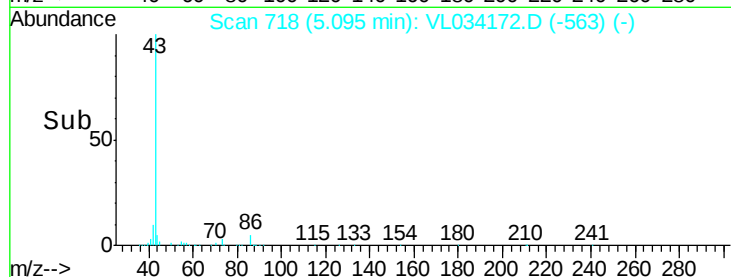
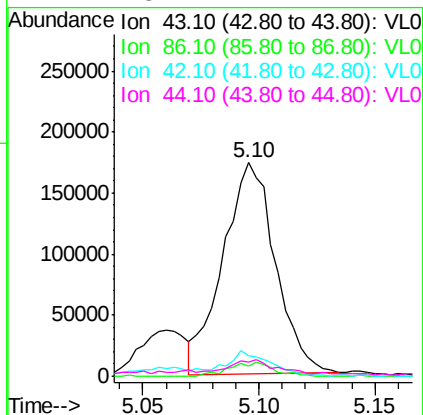
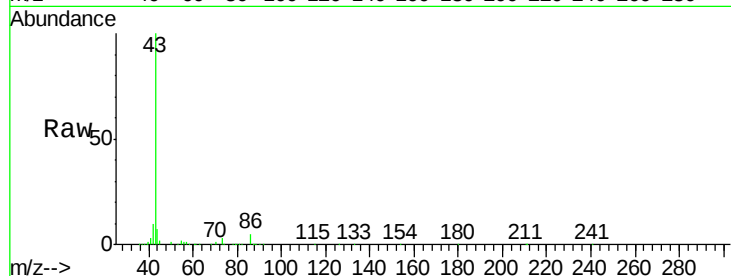
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	271112
Ion Ratio	Lower	Upper	
43	100		
86	4.5	5.1	7.7#
42	9.1	8.6	12.8
44	5.1	4.7	7.1

Manual Integrations
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9/20/2019 12:43:57 AM



#24

1,1-Dichloroethane

Concen: 1.055 ppbv

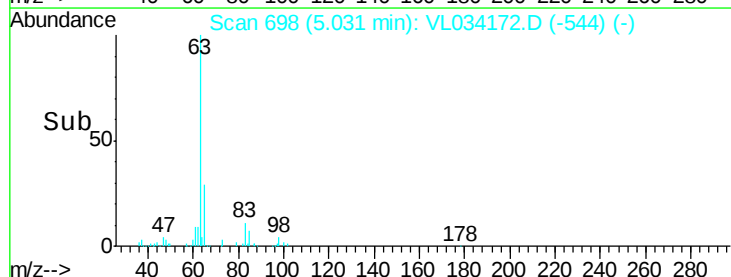
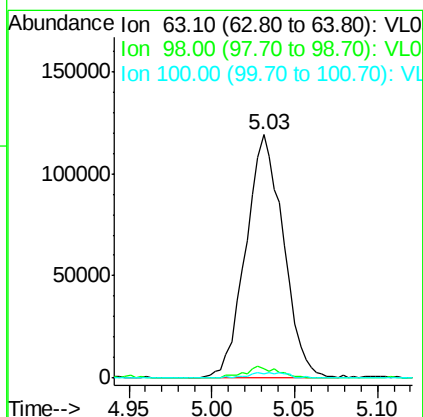
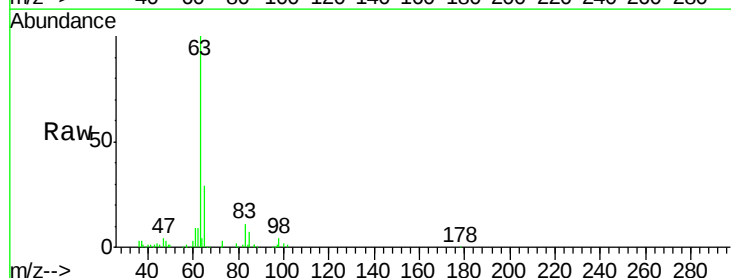
RT: 5.03 min Scan# 698

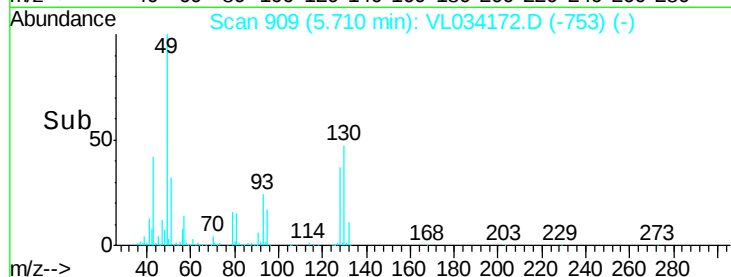
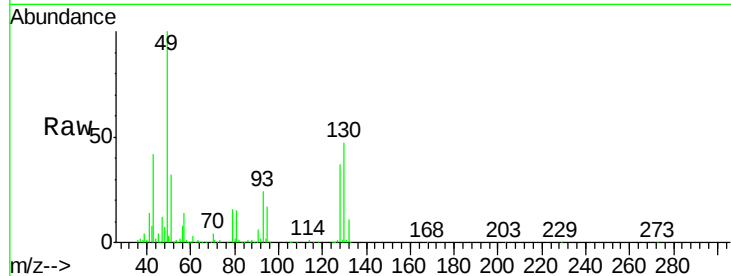
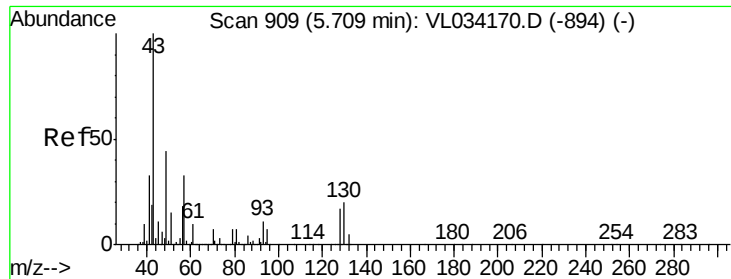
Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion	63	Resp	188040
Ion Ratio	Lower	Upper	
63	100		
98	3.8	1.8	5.3
100	1.7	1.0	3.0





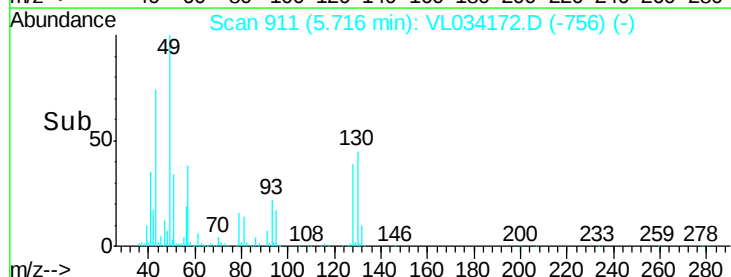
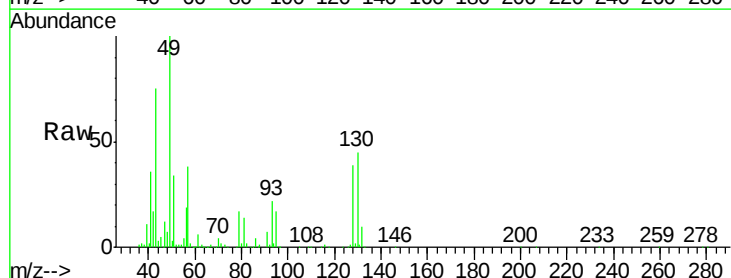
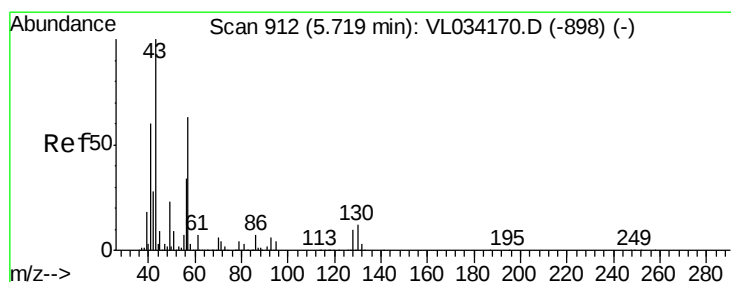
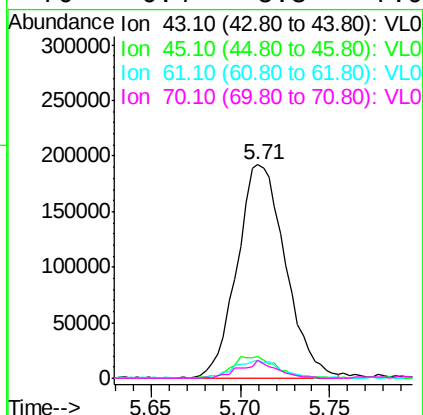
#25
Ethyl Acetate
Concen: 1.043 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.4	12.6
61	8.2	7.2	10.8
70	6.4	5.3	7.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

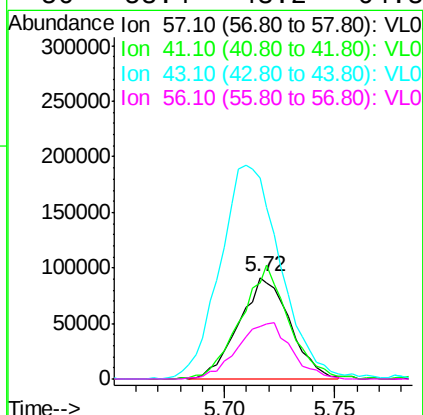
Manual Integrations
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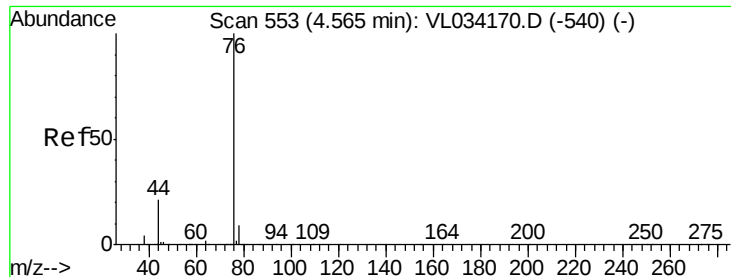
MMDadoda
9/20/2019 12:43:57 AM



#26
Hexane
Concen: 0.944 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	108.9	78.5	117.7
43	253.7	189.5	284.3
56	58.4	43.2	64.8





#27

Carbon Disulfide

Concen: 0.893 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

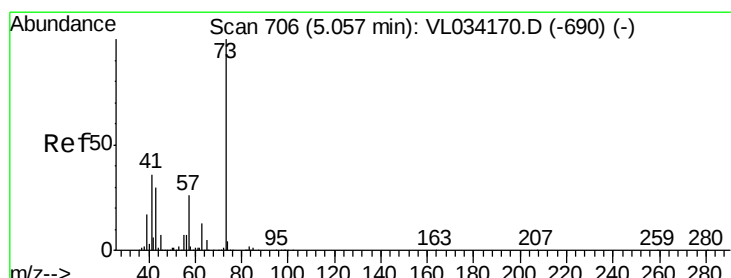
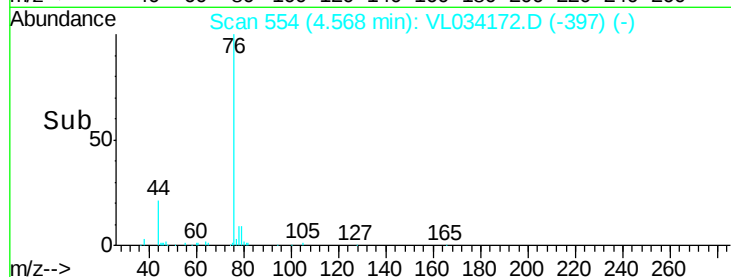
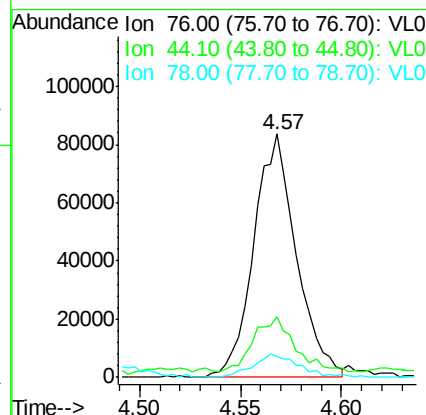
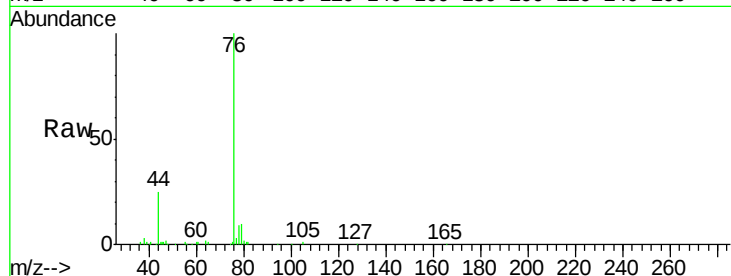
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	123557
Ion Ratio	Lower	Upper	
76	100		
44	22.1	17.6	26.4
78	10.4	7.6	11.4

Manual Integrations
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MMDadoda
9/20/2019 12:43:57 AM



#28

Methyl tert-Butyl Ether

Concen: 0.988 ppbv

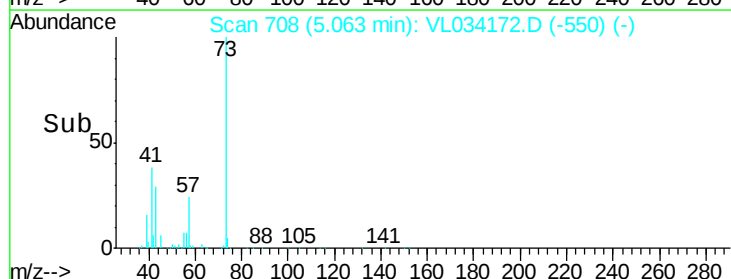
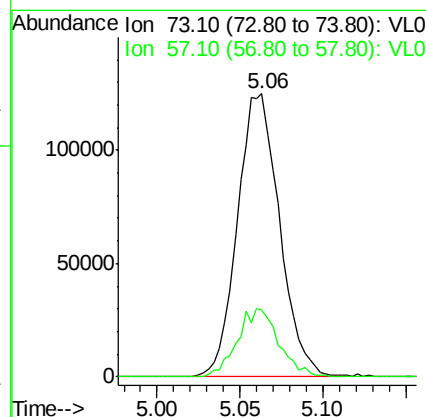
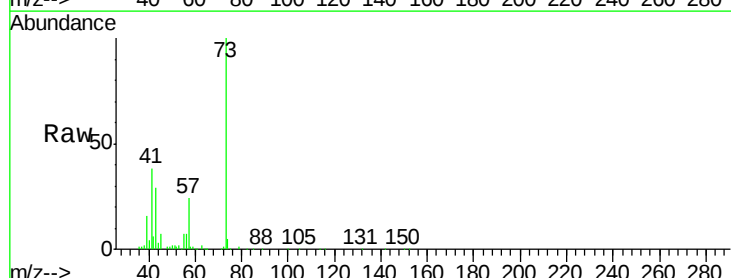
RT: 5.06 min Scan# 708

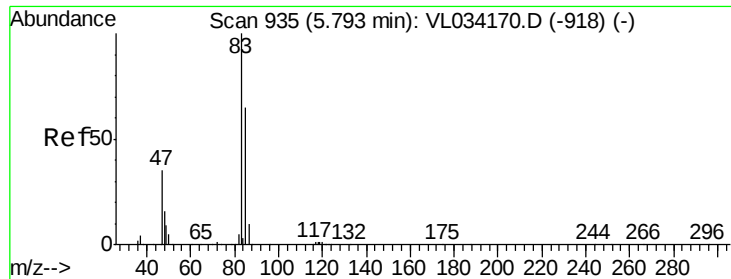
Delta R.T. 0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	73	Resp:	220880
Ion Ratio	Lower	Upper	
73	100		
57	23.6	20.2	30.2





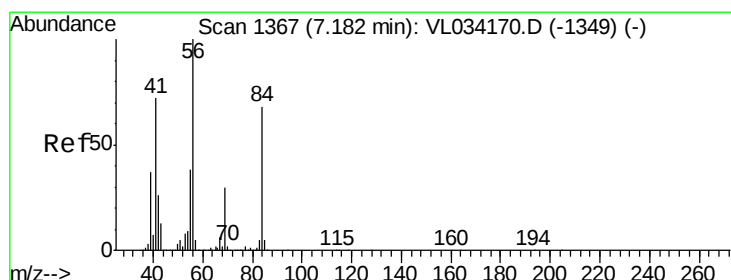
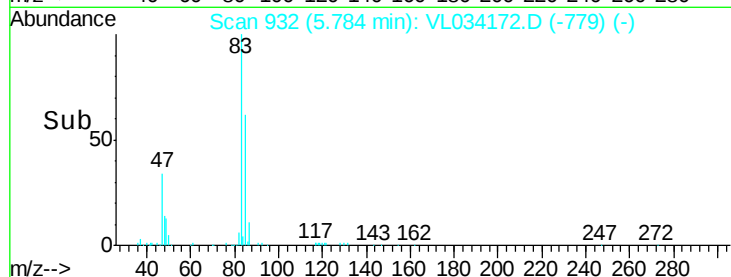
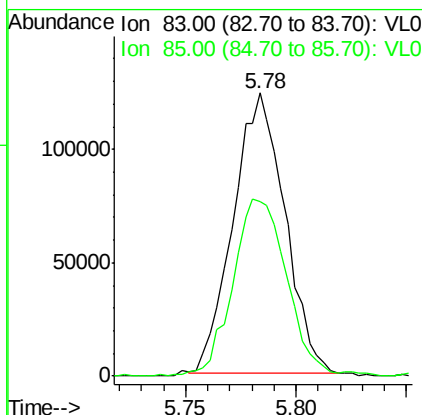
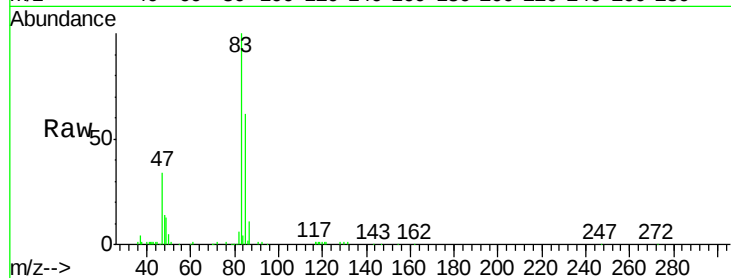
#29
Chloroform
Concen: 0.968 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.3	78.5

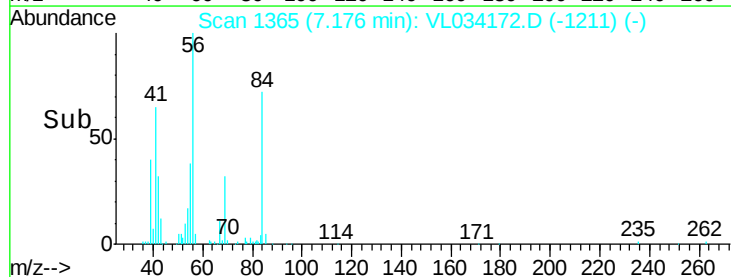
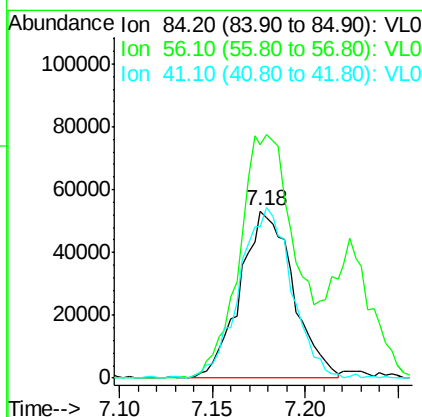
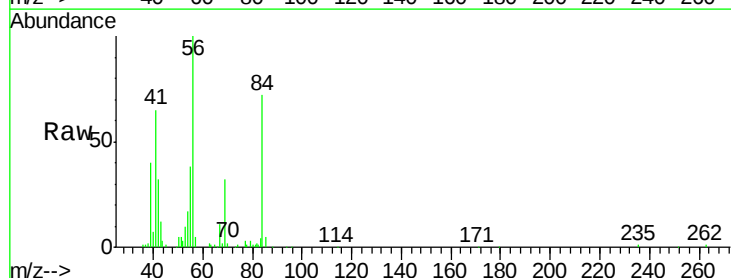
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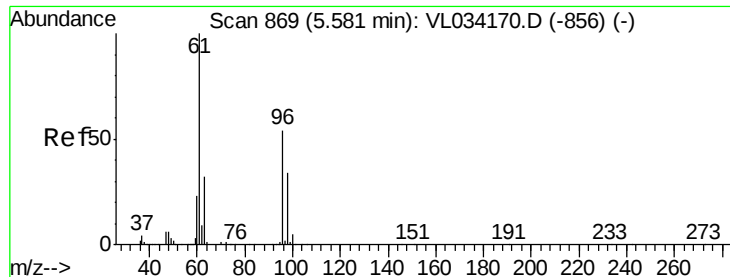
MMDadoda
9/20/2019 12:43:57 AM



#30
Cyclohexane
Concen: 0.955 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
84	100		
56	154.2	126.2	189.2
41	101.7	85.8	128.8





#31

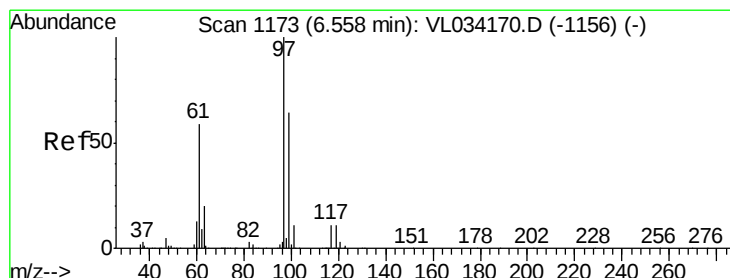
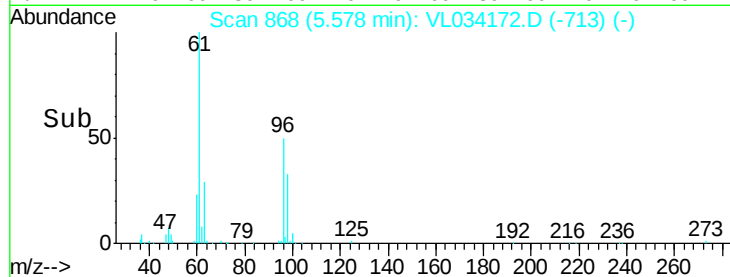
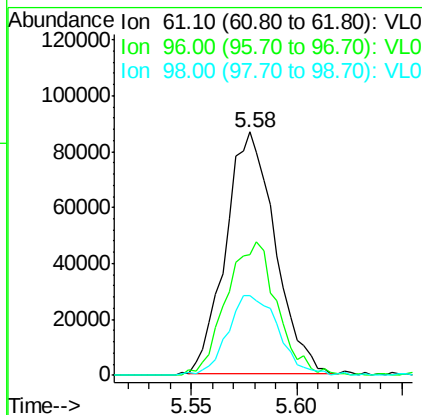
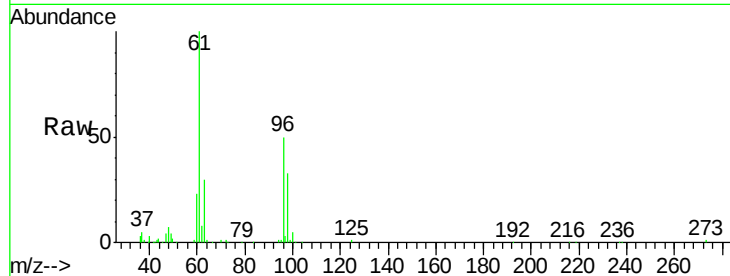
cis-1,2-Dichloroethene
 Concen: 0.951 ppbv
 RT: 5.58 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		140534		
96	49.3	43.0	64.4		
98	32.3	27.2	40.8		

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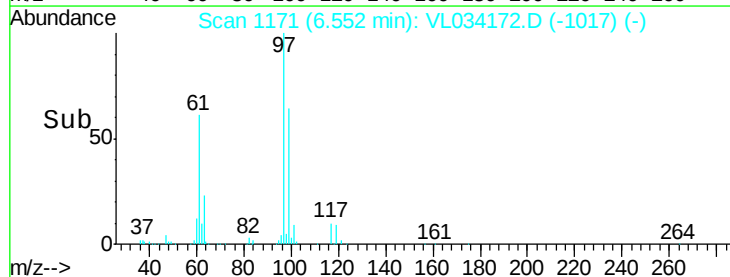
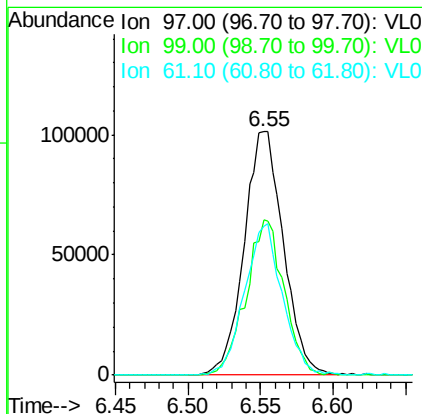
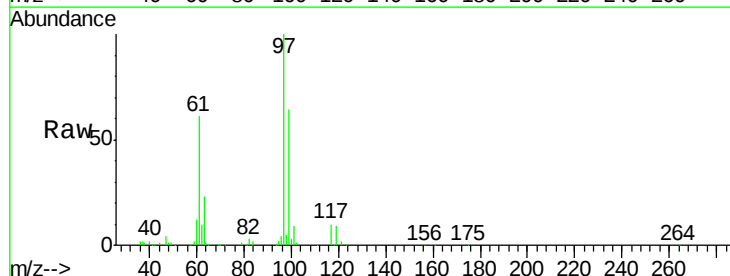
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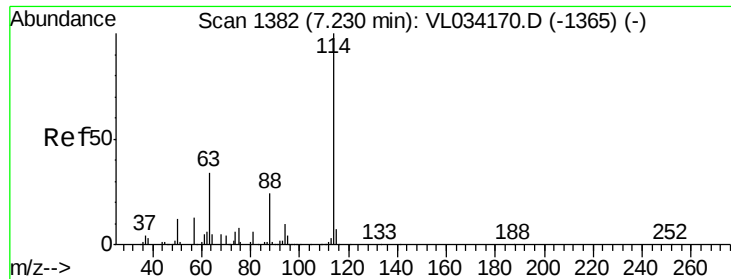


#32

1,1,1-Trichloroethane
 Concen: 0.973 ppbv
 RT: 6.55 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		191595		
99	61.7	51.4	77.2		
61	59.8	48.4	72.6		





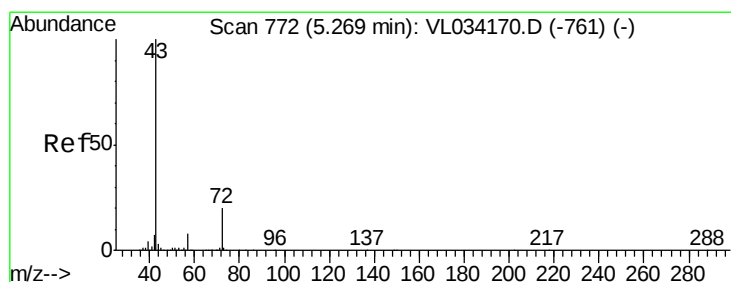
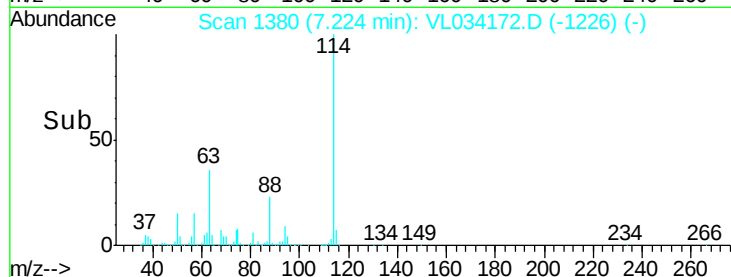
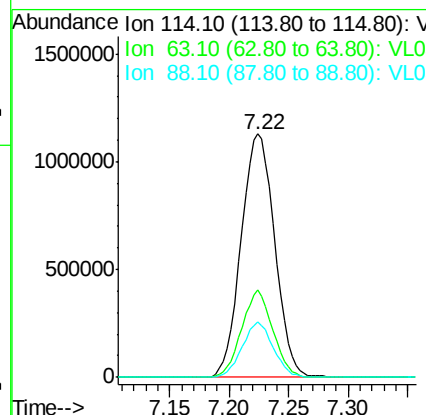
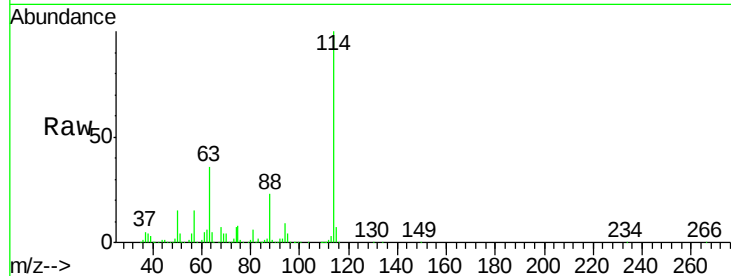
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.4	27.8	41.6
88	20.9	17.1	25.7

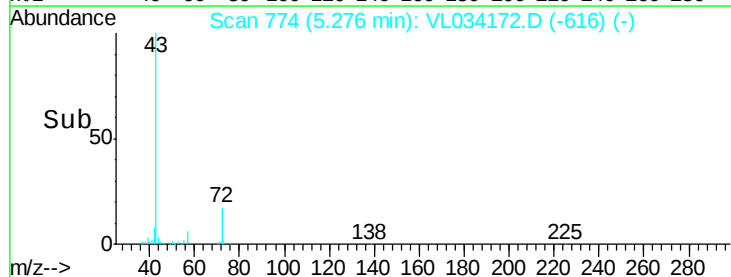
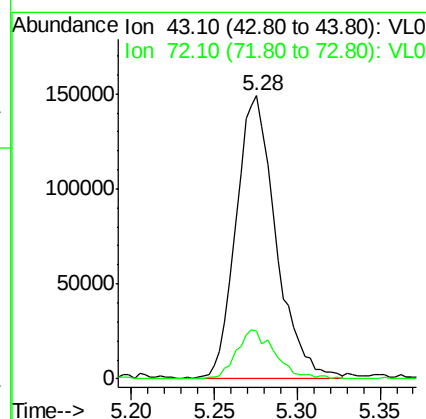
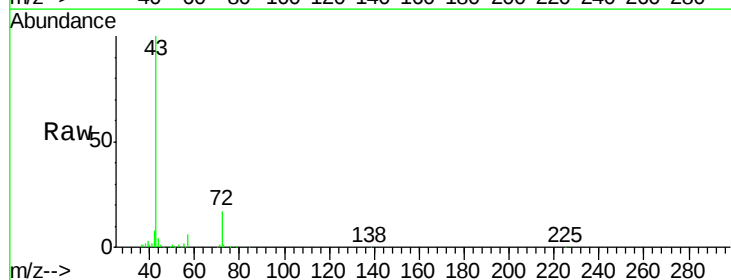
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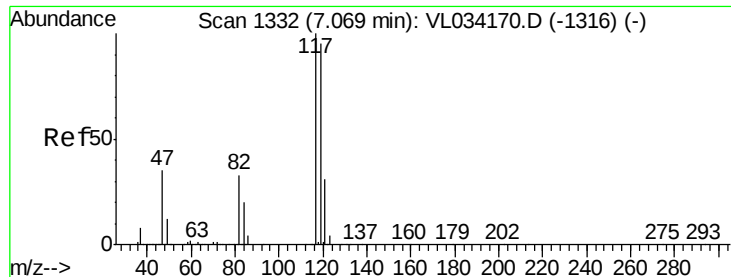
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#34
 2-Butanone
 Concen: 1.148 ppbv
 RT: 5.28 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.3	15.0	22.6





#35

Carbon Tetrachloride

Concen: 1.055 ppbv

RT: 7.06 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

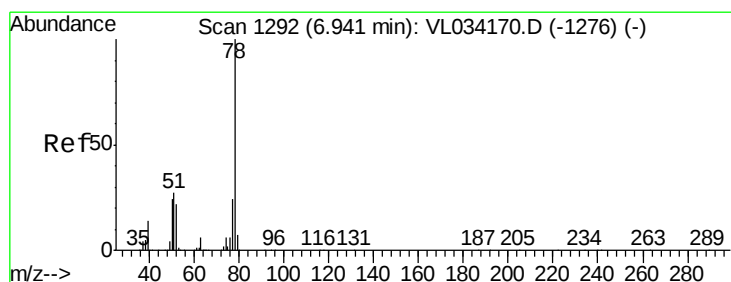
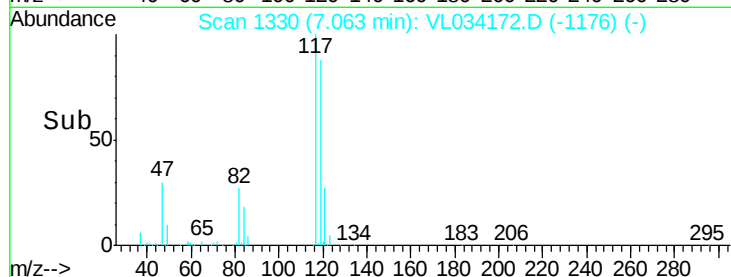
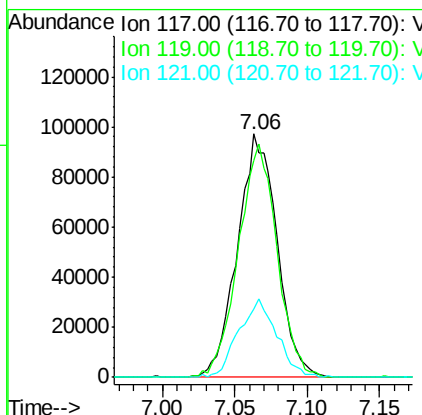
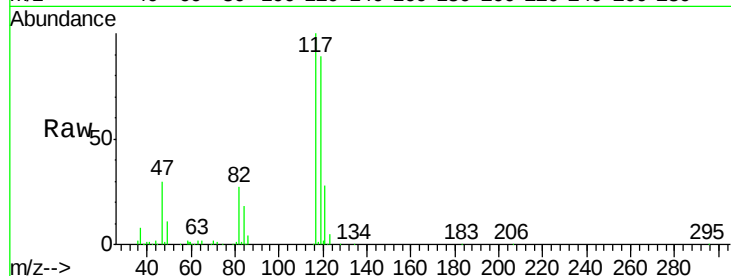
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	184030
Ion Ratio	Lower	Upper	
117	100		
119	88.9	75.8	113.6
121	27.8	25.0	37.6

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#36

Benzene

Concen: 1.033 ppbv

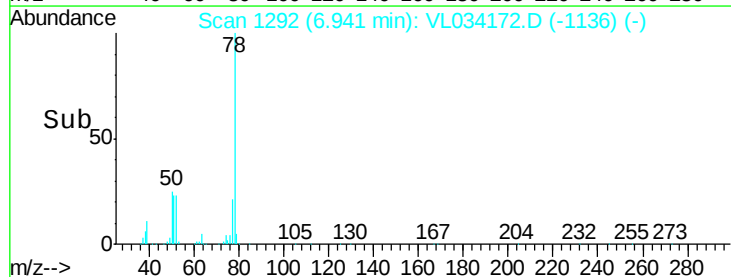
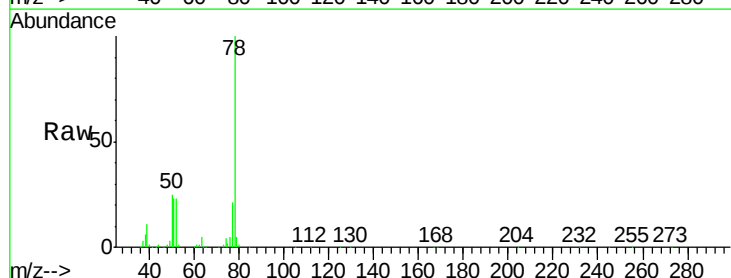
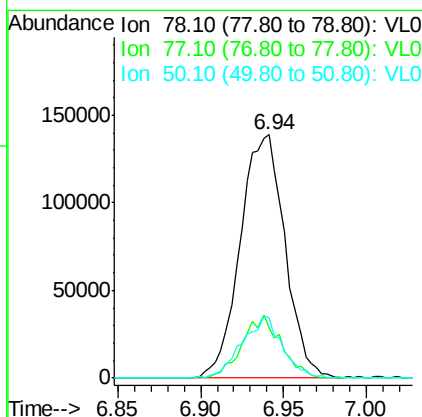
RT: 6.94 min Scan# 1292

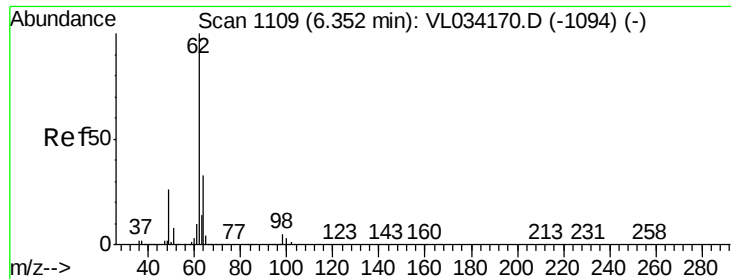
Delta R.T. 0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	78	Resp:	260427
Ion Ratio	Lower	Upper	
78	100		
77	20.6	19.0	28.4
50	24.5	18.9	28.3





#37

1,2-Dichloroethane

Concen: 1.168 ppbv

RT: 6.34 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

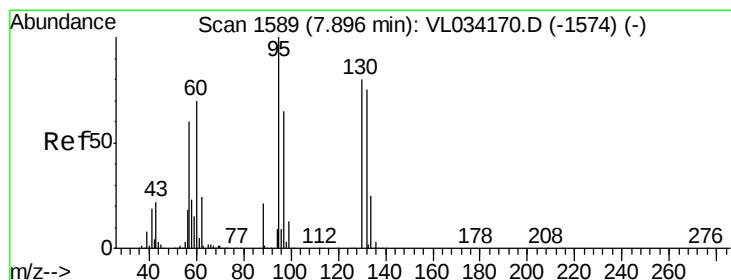
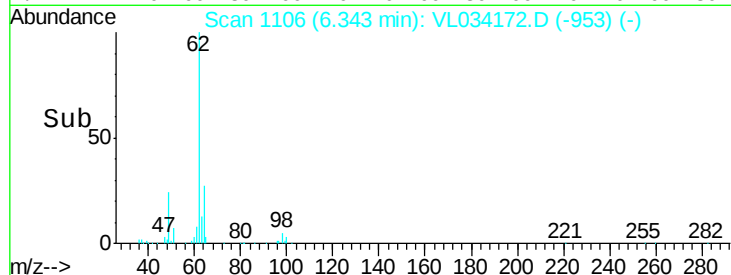
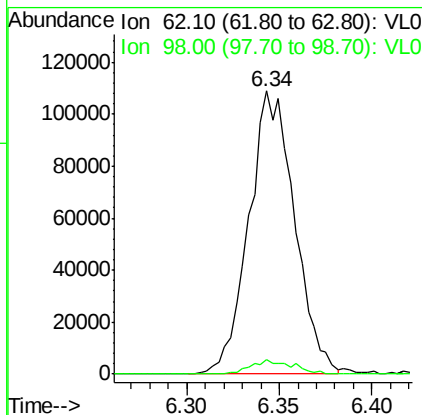
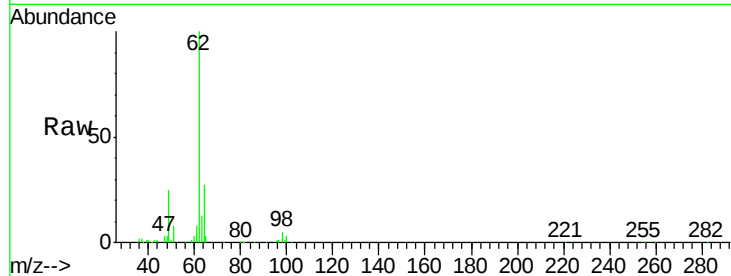
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	186524		
98	4.7		3.8	5.8

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#38

Trichloroethene

Concen: 0.948 ppbv

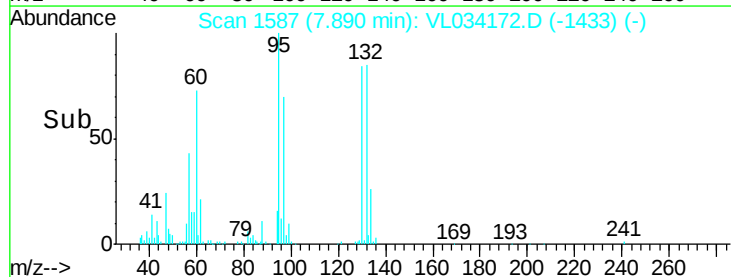
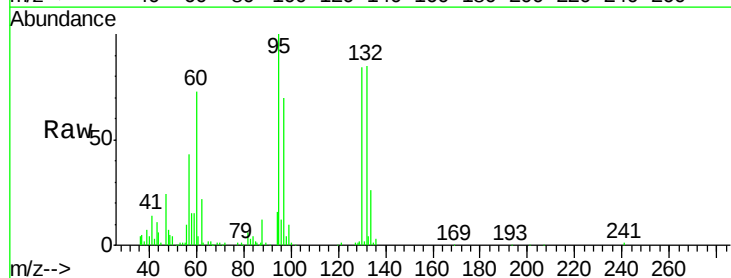
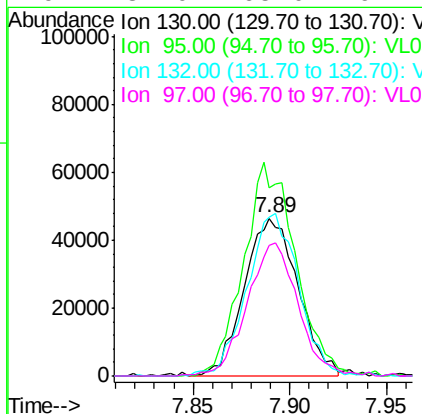
RT: 7.89 min Scan# 1587

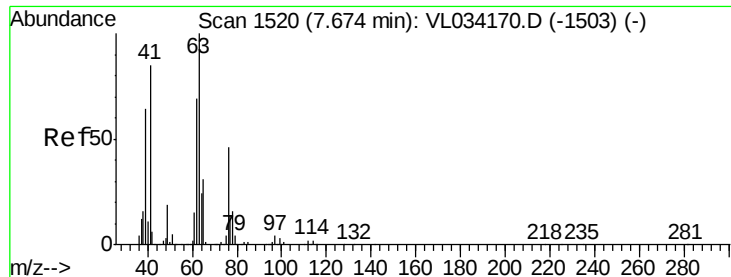
Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	89641		
95	118.5		99.8	149.6
132	100.9		75.2	112.8
97	82.0		65.0	97.4





#39

1,2-Dichloropropane

Concen: 1.092 ppbv m

RT: 7.67 min Scan# 1518

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

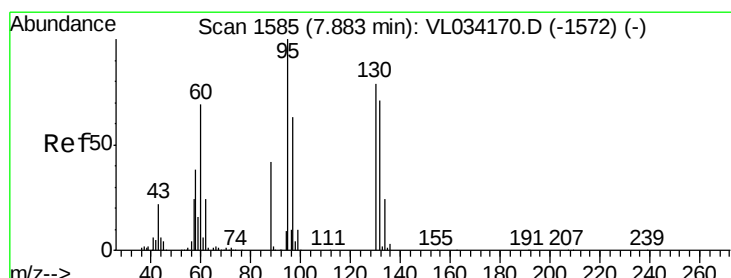
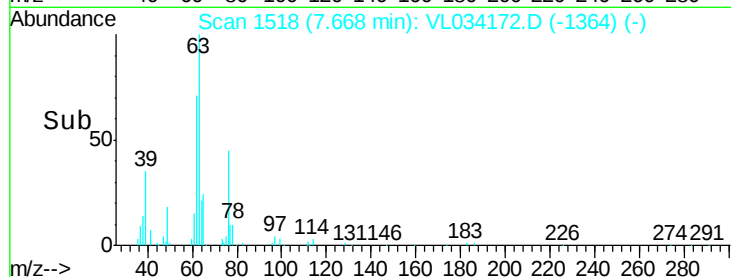
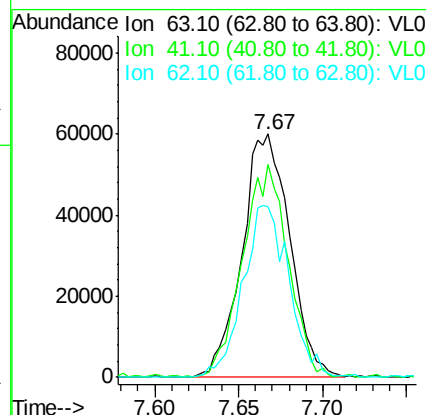
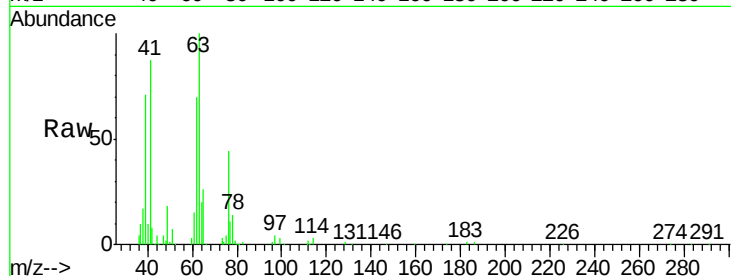
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	118928
Ion Ratio	Lower	Upper	
63	100		
41	87.4	68.4	102.6
62	70.0	55.4	83.2

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#40

1,4-Dioxane

Concen: 1.121 ppbv m

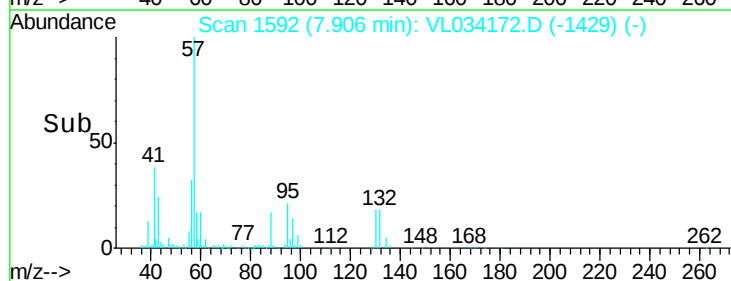
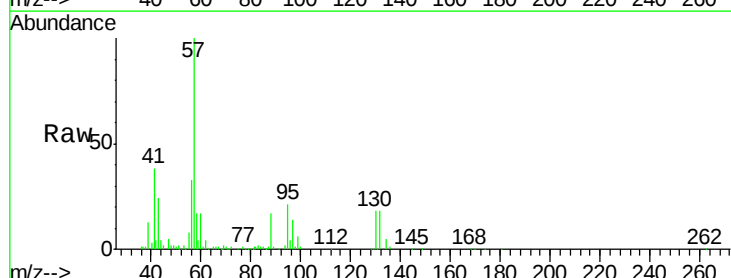
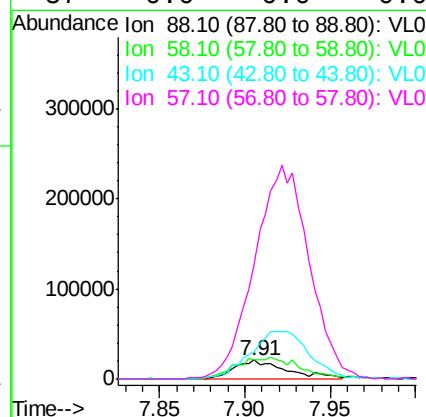
RT: 7.91 min Scan# 1592

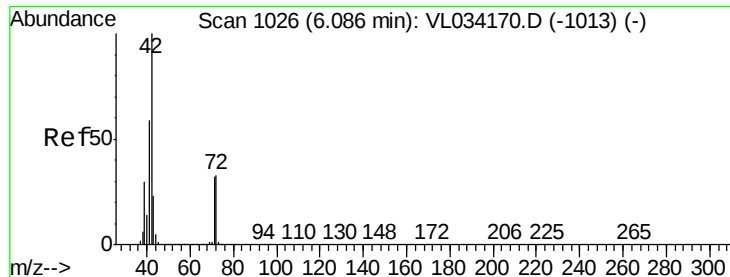
Delta R.T. 0.02 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	88	Resp:	44248
Ion Ratio	Lower	Upper	
88	100		
58	0.0	131.8	197.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





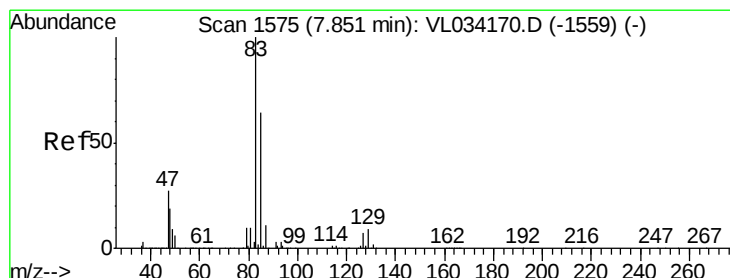
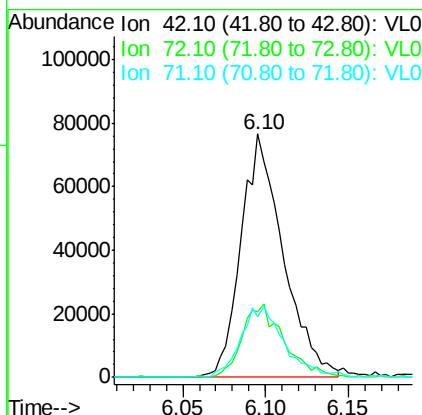
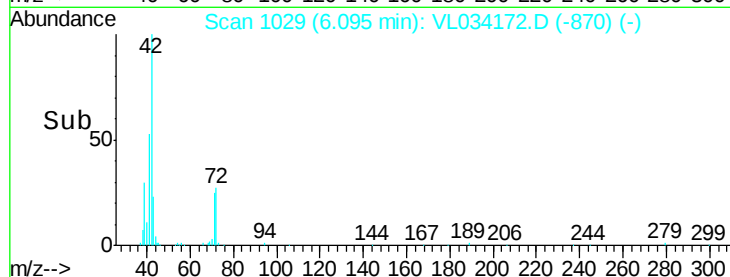
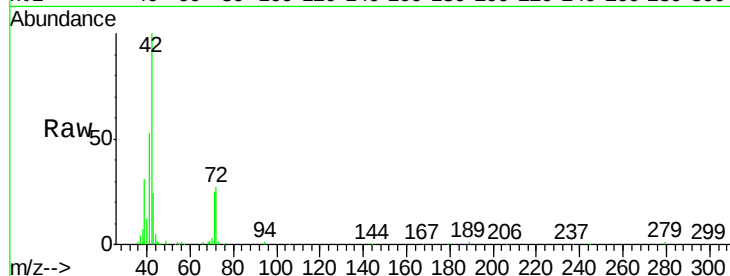
#41
Tetrahydrofuran
Concen: 1.055 ppbv
RT: 6.10 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.0	26.6	40.0
71	30.6	25.1	37.7

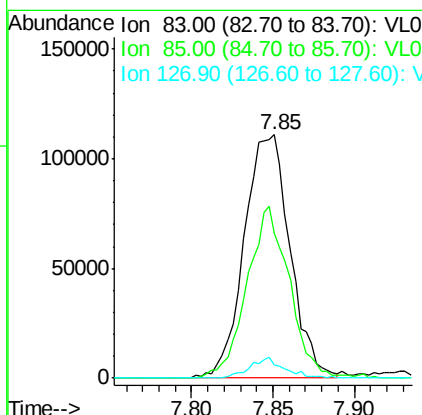
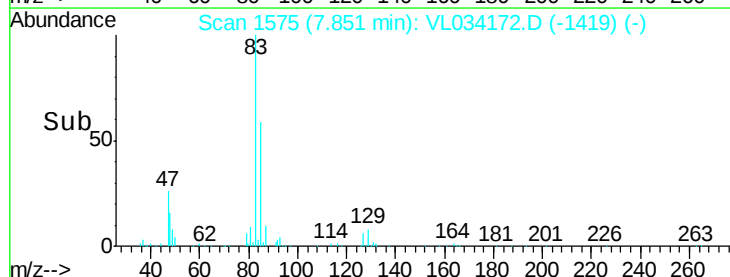
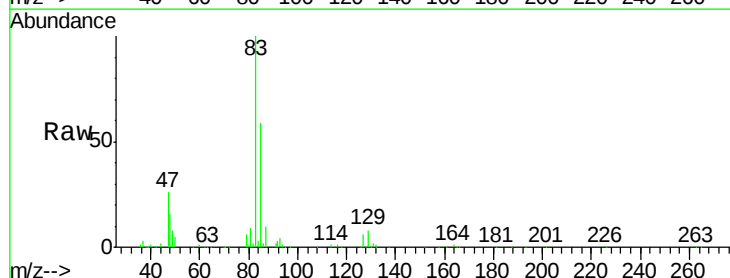
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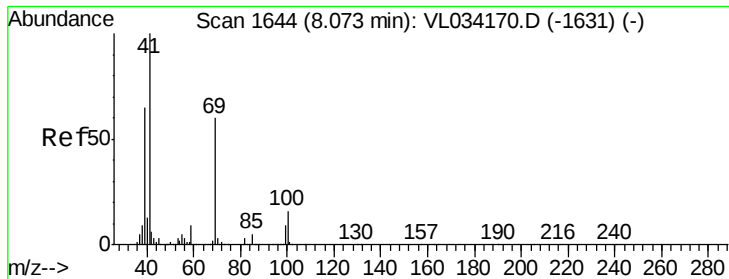
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#42
Bromodichloromethane
Concen: 1.064 ppbv m
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.4	77.0
127	5.5	5.5	8.3





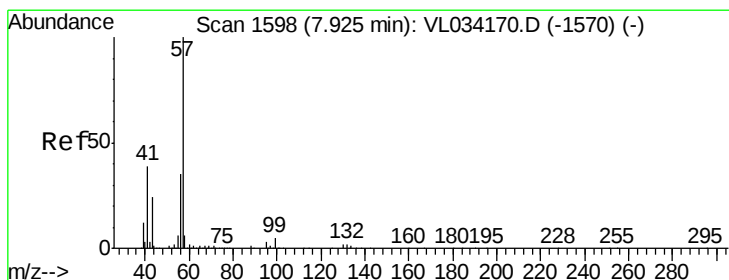
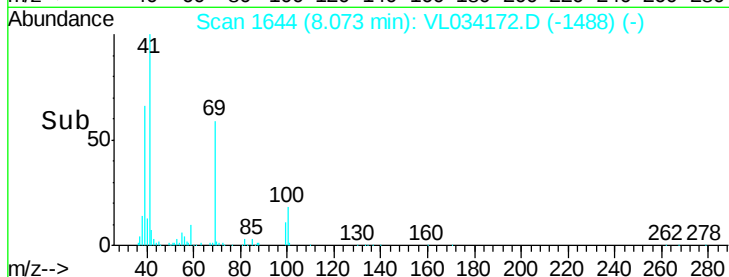
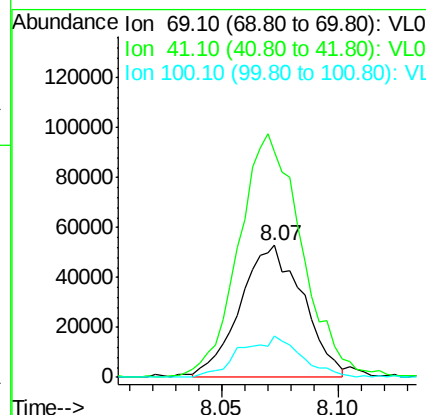
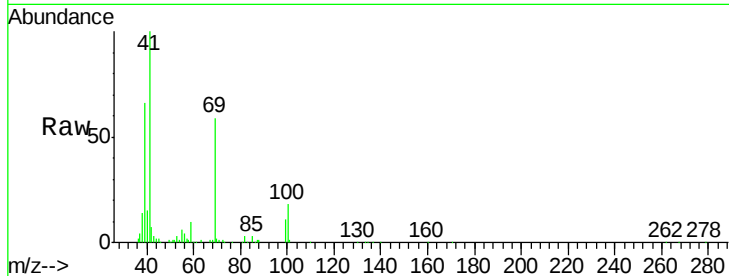
#43
Methvl Methacrylate
Concen: 0.949 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	186.8	140.4	210.6	
100	30.9	21.9	32.9	

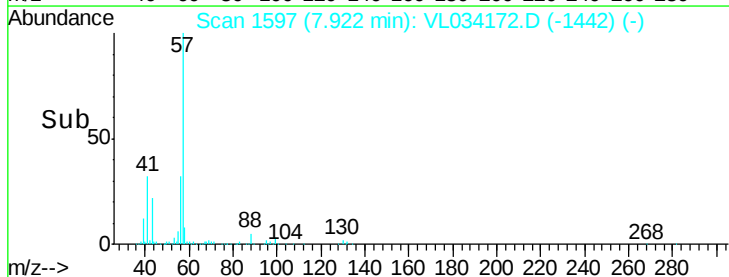
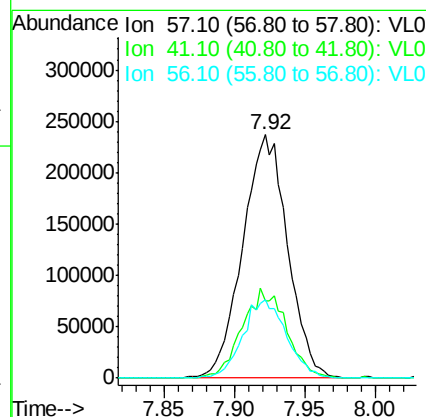
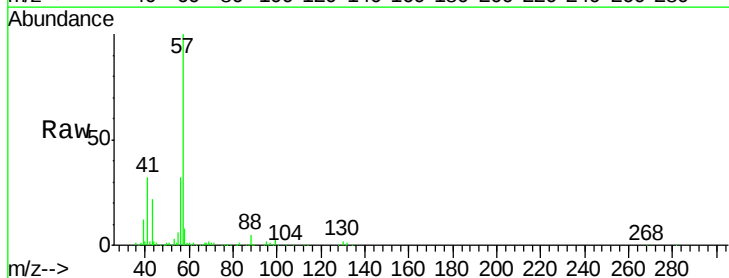
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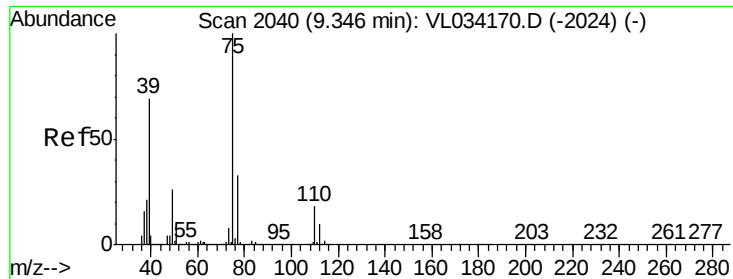
MMDadoda
9/20/2019 12:43:57 AM



#44
2,2,4-Trimethylpentane
Concen: 1.114 ppbv
RT: 7.92 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.4	29.8	44.6	
56	31.6	25.9	38.9	





#45

t-1,3-Dichloropropene

Concen: 0.898 ppbv m

RT: 9.34 min Scan# 2038

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tot Ion: 75 Resp: 110492

Ion Ratio Lower Upper

75 100

77 29.4 26.2 39.2

Instrument :

MSVOA_L

ClientSampleId :

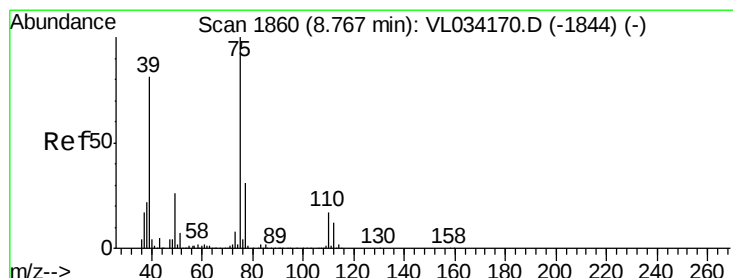
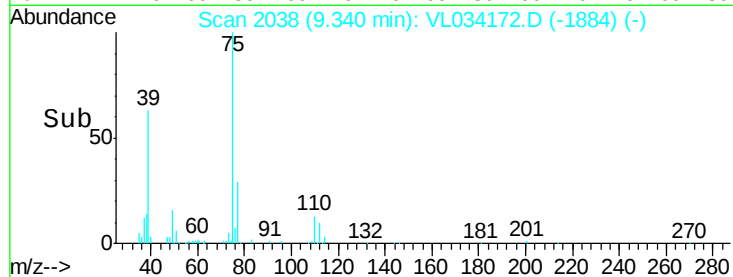
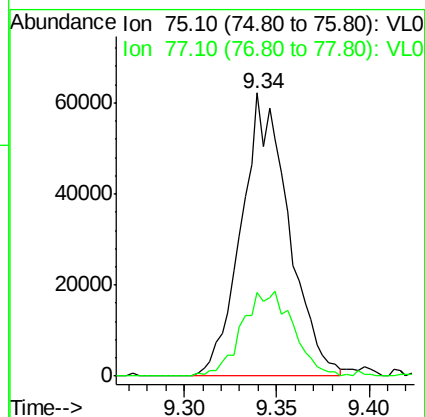
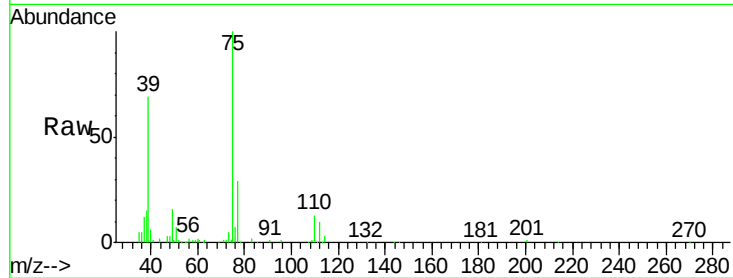
VSTDIC001

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#46

cis-1,3-Dichloropropene

Concen: 0.946 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

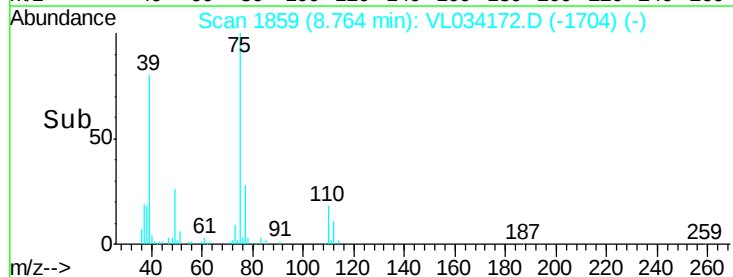
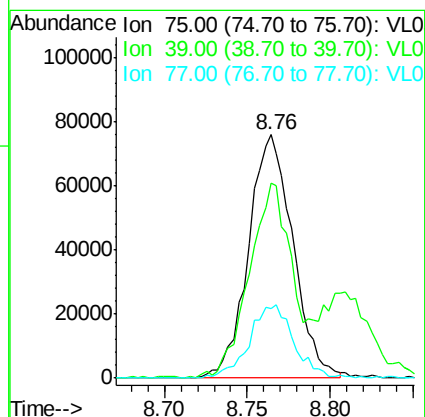
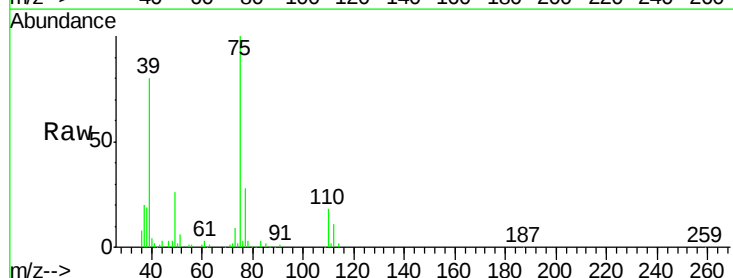
Tgt Ion: 75 Resp: 141561

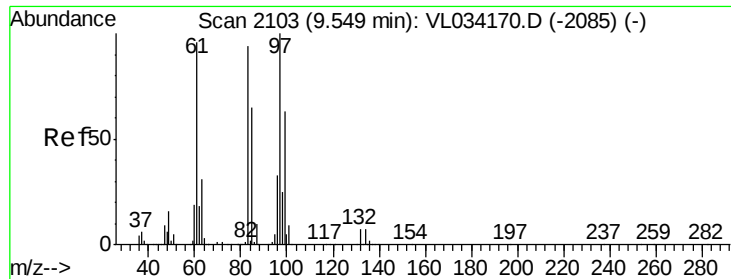
Ion Ratio Lower Upper

75 100

39 79.5 65.0 97.4

77 28.5 24.5 36.7





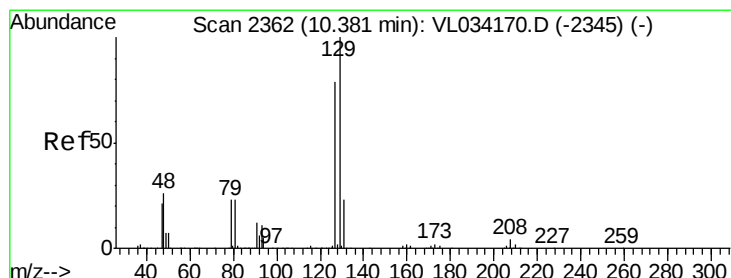
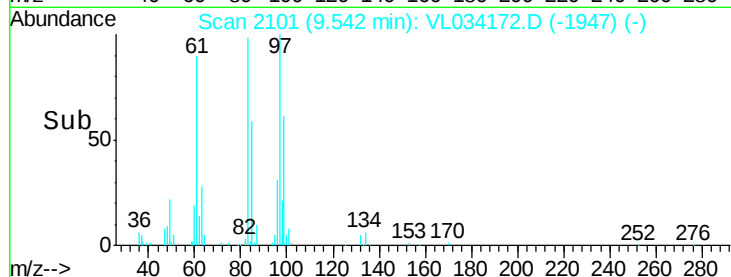
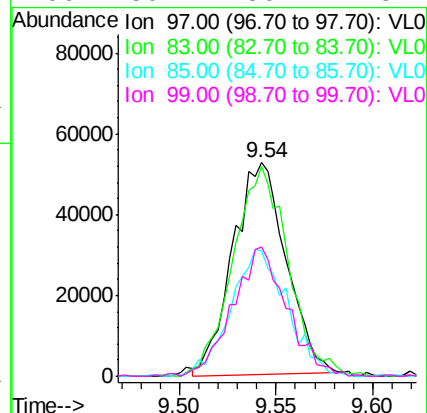
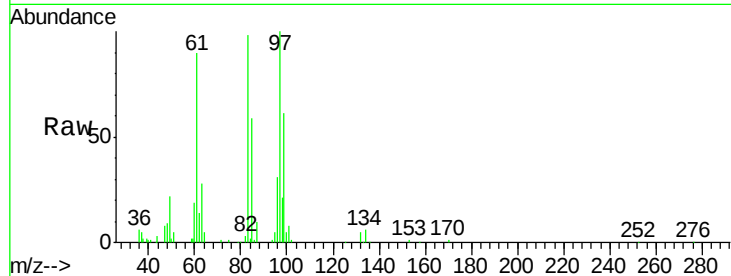
#47
 1,1,2-Trichloroethane
 Concen: 1.027 ppbv
 RT: 9.54 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101372		
83	97.4	75.3	112.9		
85	58.8	52.1	78.1		
99	59.1	50.2	75.2		

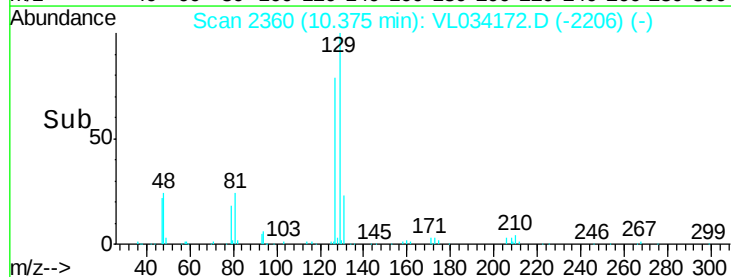
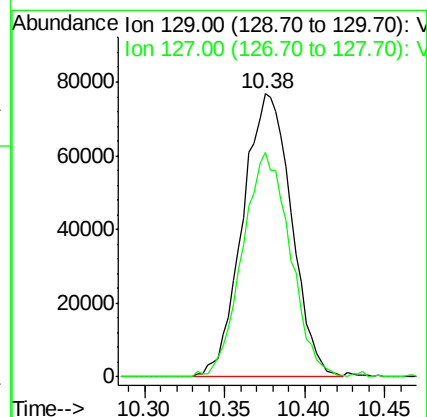
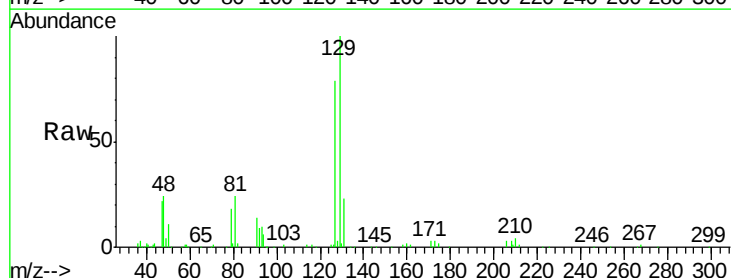
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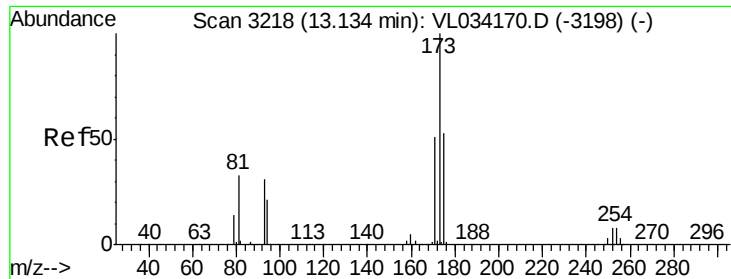
MMDadoda
 9/20/2019 12:43:57 AM



#48
 Dibromochloromethane
 Concen: 1.075 ppbv
 RT: 10.38 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		160386		
127	78.1	39.2	117.6		





#49

Bromoform

Concen: 0.963 ppbv m

RT: 13.12 min Scan# 3215

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

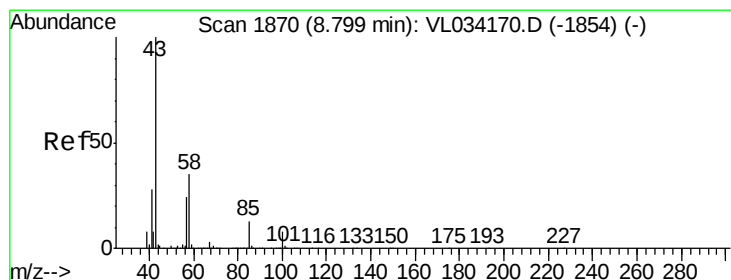
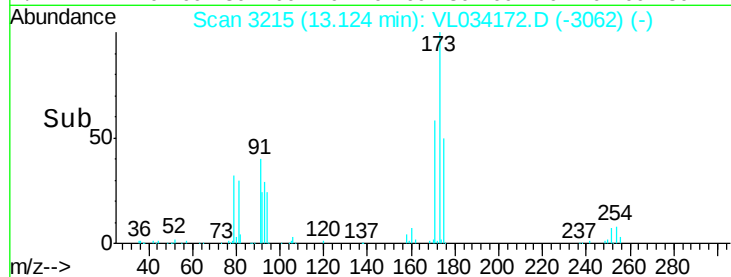
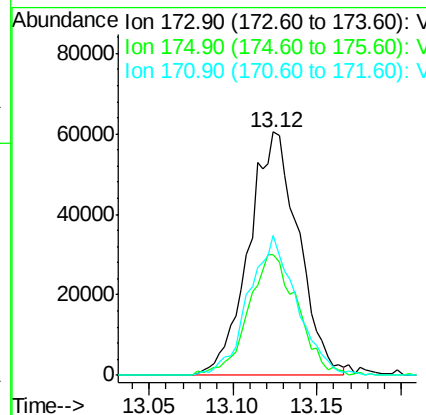
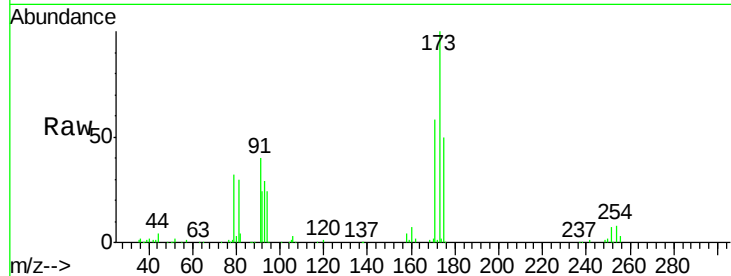
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	124791
Ion Ratio	Lower	Upper	
173	100		
175	49.3	40.3	60.5
171	55.1	42.0	63.0

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#50

4-Methyl-2-Pentanone

Concen: 1.114 ppbv

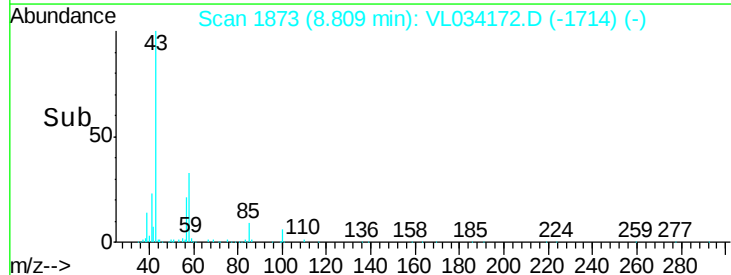
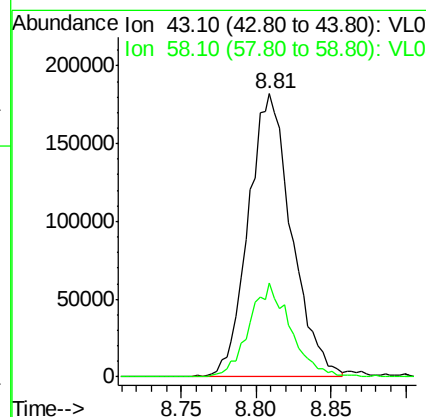
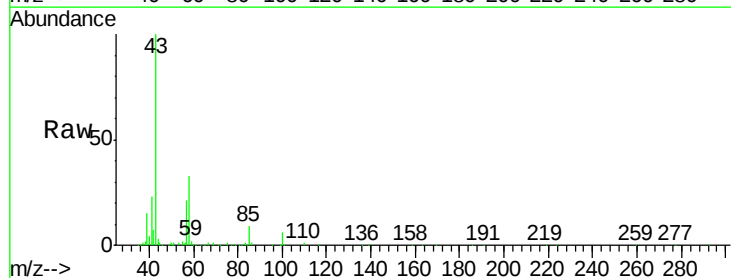
RT: 8.81 min Scan# 1873

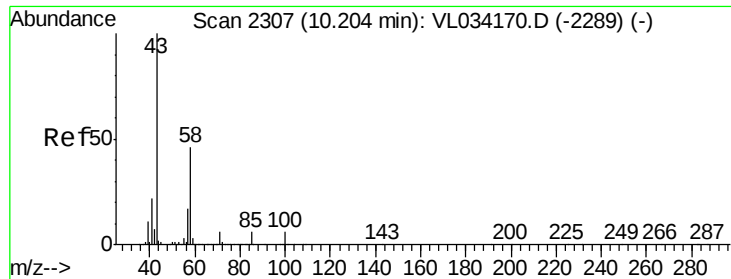
Delta R.T. 0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	43	Resp:	366207
Ion Ratio	Lower	Upper	
43	100		
58	31.8	27.6	41.4





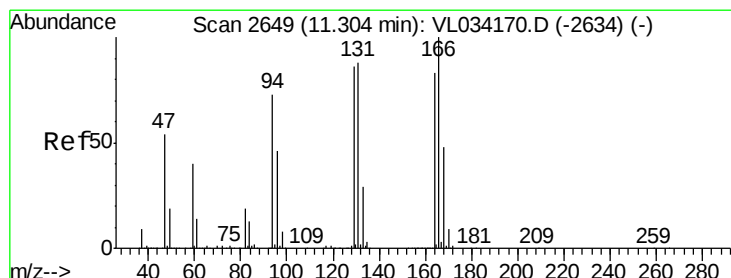
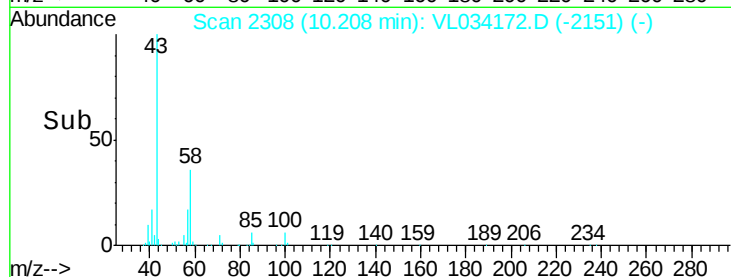
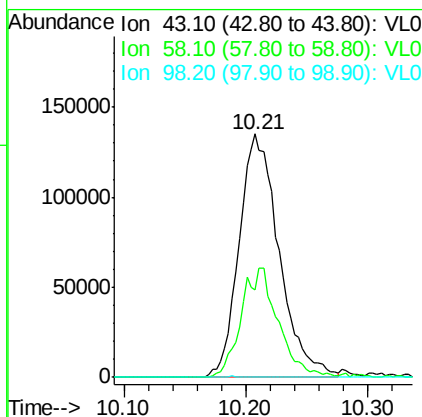
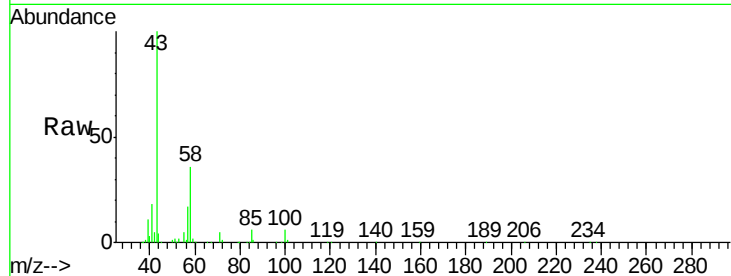
#51
2-Hexanone
Concen: 1.077 ppbv
RT: 10.21 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	36.2	54.4
98	0.2	0.2	0.2

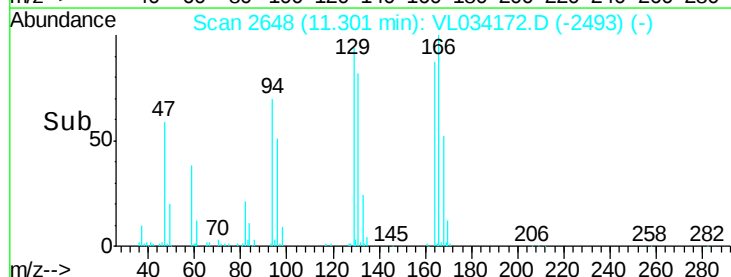
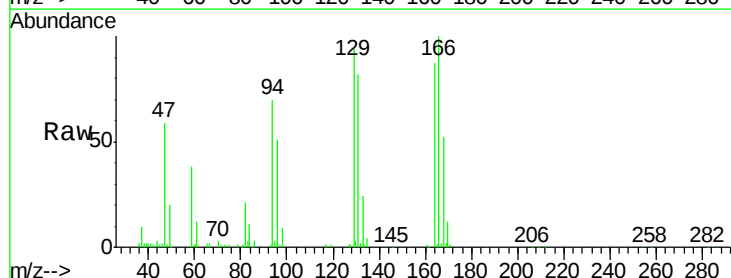
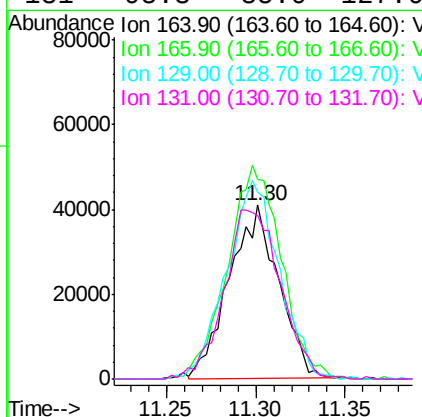
Manual Integrations
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#52
Tetrachloroethene
Concen: 0.892 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.3	96.7	145.1
129	108.5	82.8	124.2
131	95.3	85.0	127.6





#53

Toluene

Concen: 1.015 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 283418

Ion Ratio Lower Upper

91 100

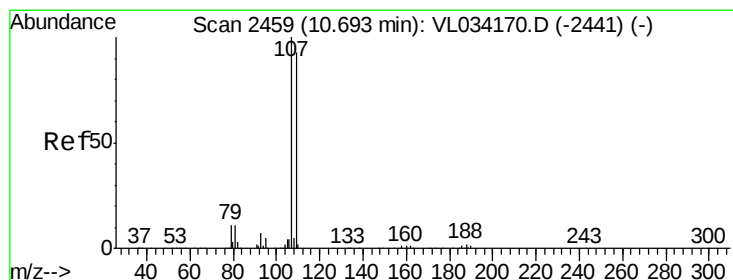
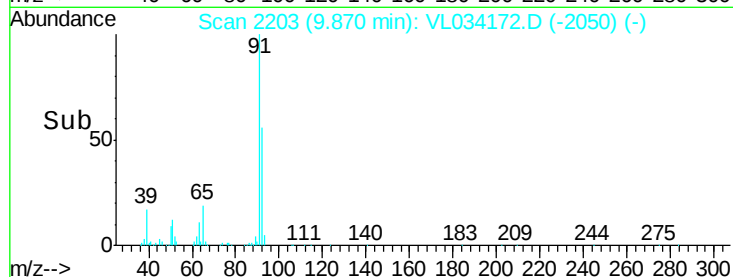
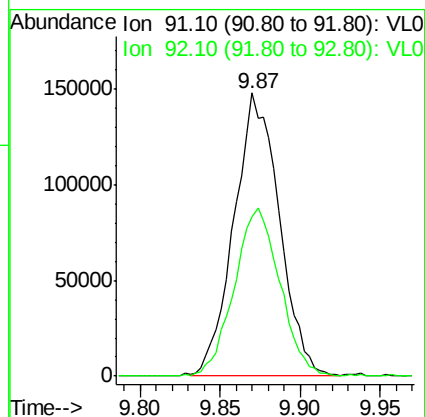
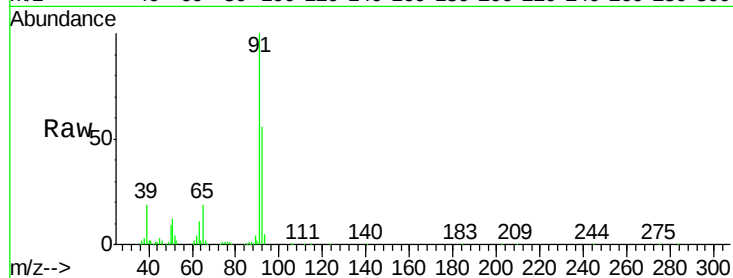
92 60.6 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 1.083 ppbv

RT: 10.68 min Scan# 2456

Delta R.T. -0.01 min

Lab File: VL034172.D

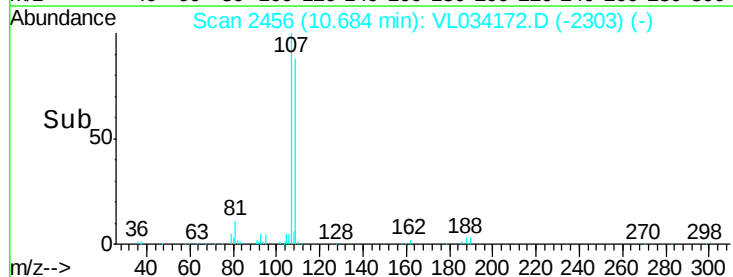
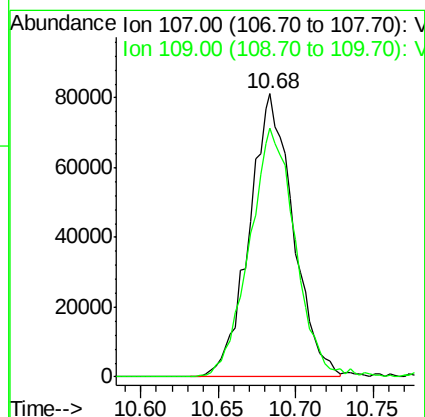
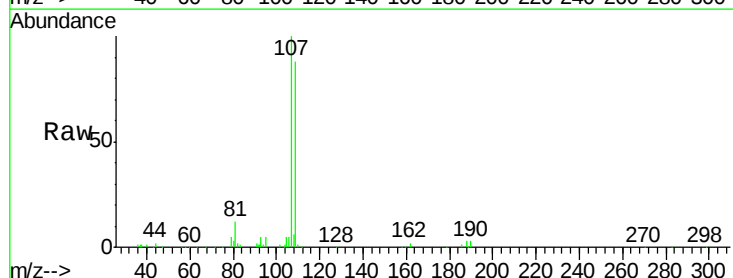
Acq: 17 Sep 2019 5:30

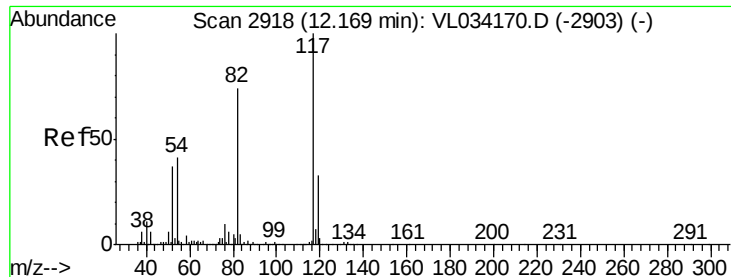
Tgt Ion: 107 Resp: 159855

Ion Ratio Lower Upper

107 100

109 87.9 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 2267446

Ion Ratio Lower Upper

117 100

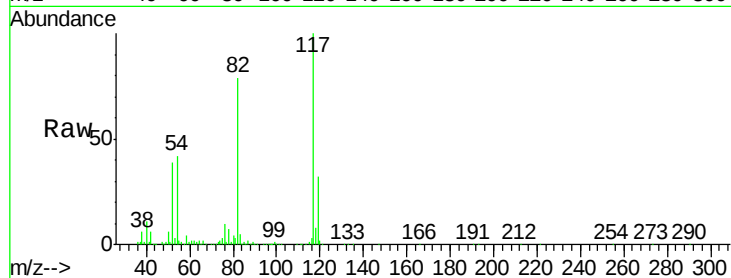
82 75.6 58.2 87.4

119 35.4 23.7 35.5

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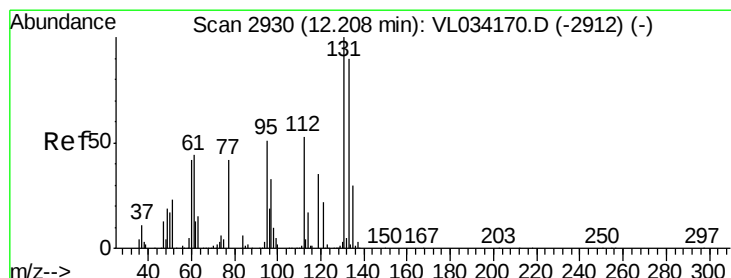
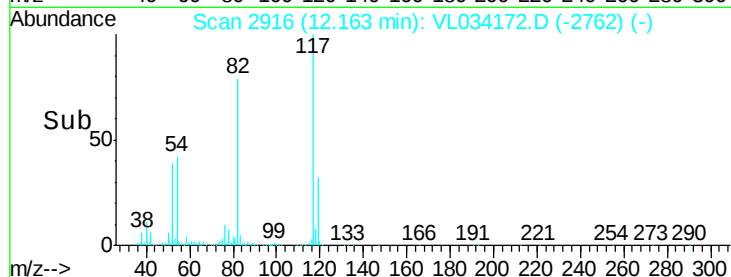
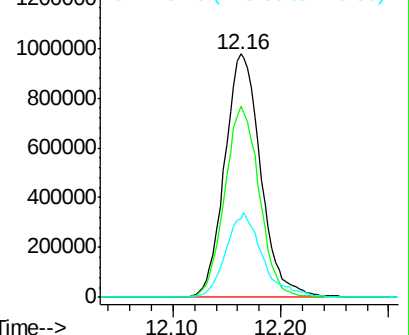
9/20/2019 12:43:57 AM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 1.107 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

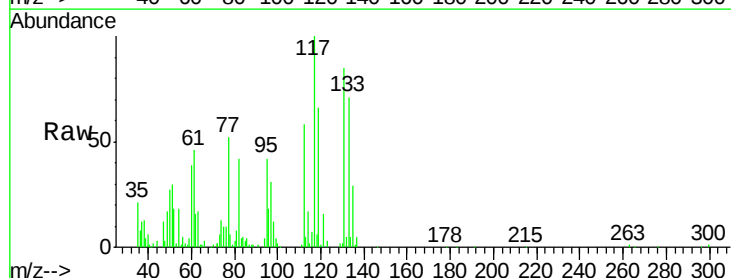
Tgt Ion:131 Resp: 108850

Ion Ratio Lower Upper

131 100

133 100.2 75.1 112.7

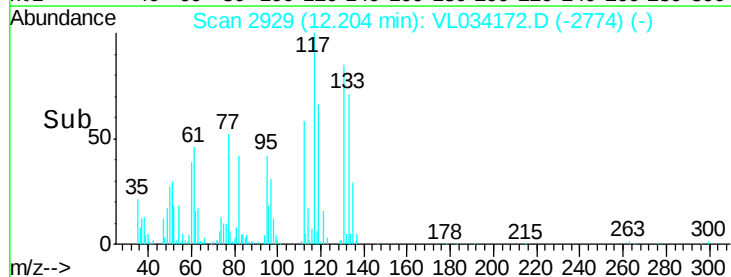
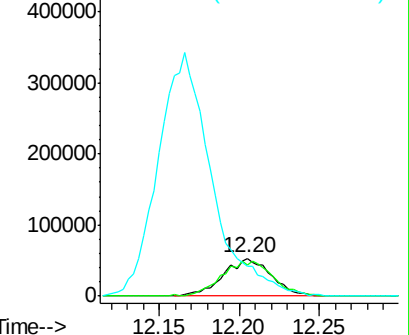
119 737.5 47.4 71.0#

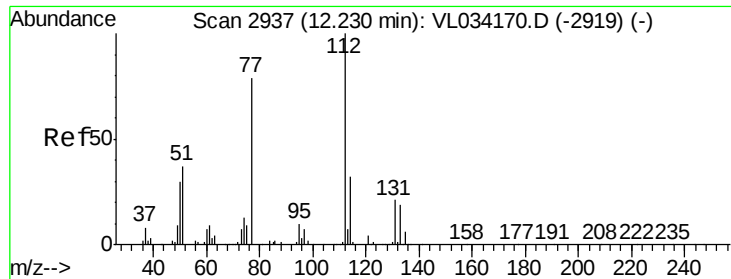


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 1.113 ppbv

RT: 12.23 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

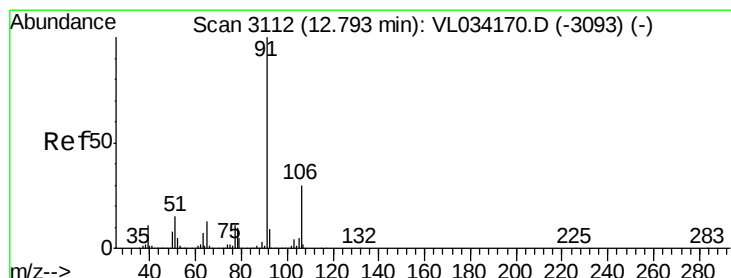
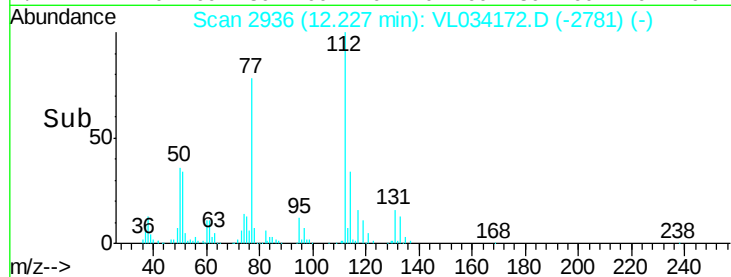
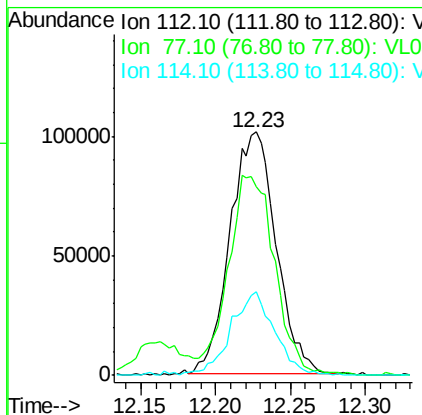
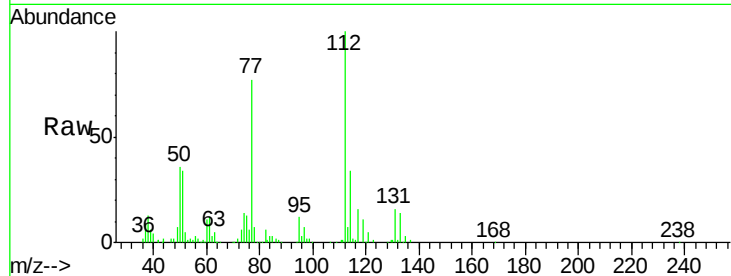
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	217804
Ion Ratio	Lower	Upper	
112	100		
77	76.6	64.3	96.5
114	33.8	28.9	35.3

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#58

Ethyl Benzene

Concen: 1.096 ppbv

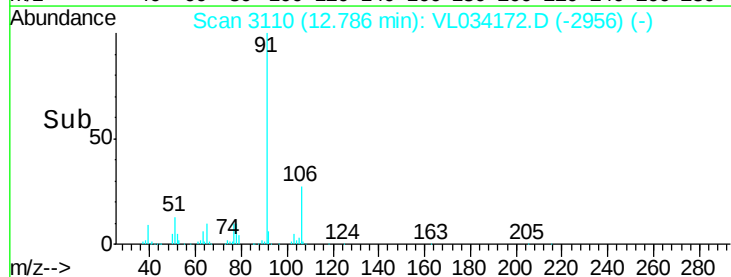
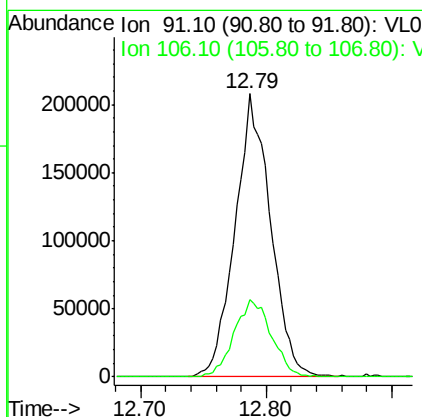
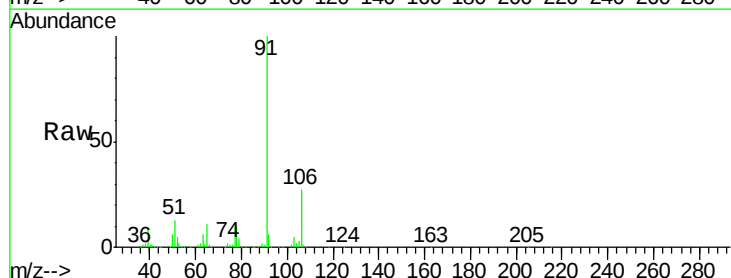
RT: 12.79 min Scan# 3110

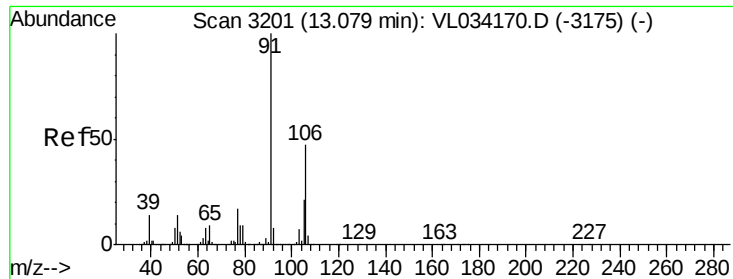
Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	91	Resp:	408264
Ion Ratio	Lower	Upper	
91	100		
106	27.2	24.2	36.4





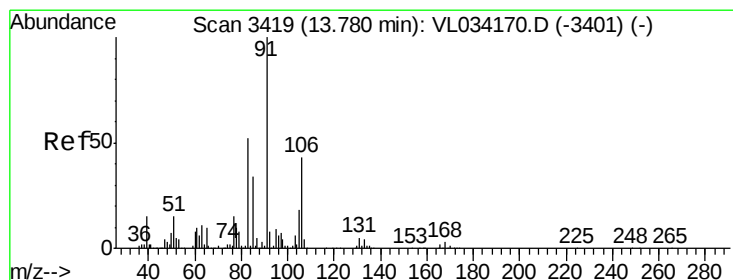
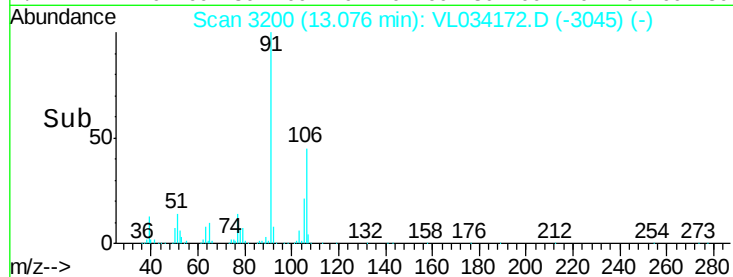
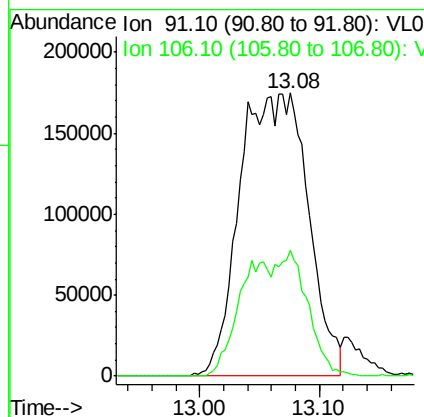
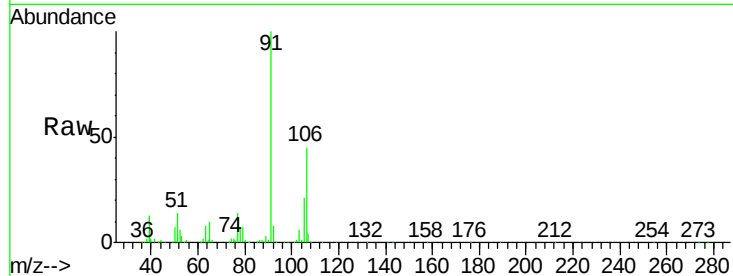
#59
m/p-Xylene
Concen: 2.282 ppbv m
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 693665
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#

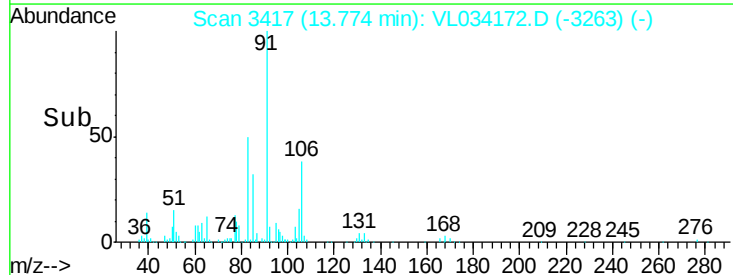
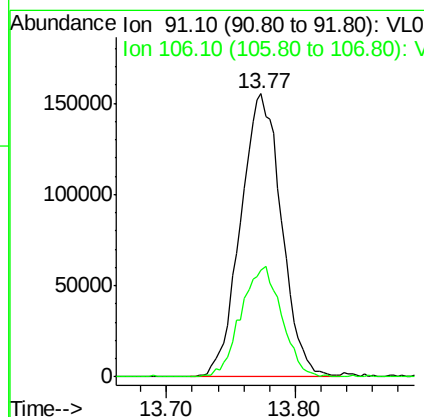
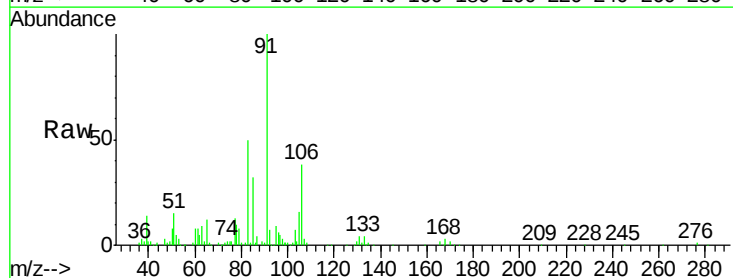
Manual Integrations
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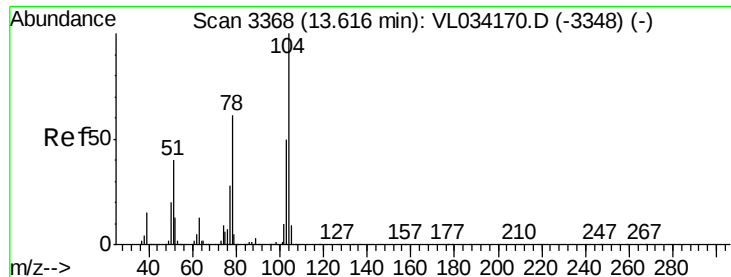
MMDadoda
9/20/2019 12:43:57 AM



#60
o-Xylene
Concen: 1.131 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion: 91 Resp: 342965
Ion Ratio Lower Upper
91 100
106 39.2 21.2 63.6





#61

Stvrene

Concen: 1.037 ppbv

RT: 13.61 min Scan# 3366

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

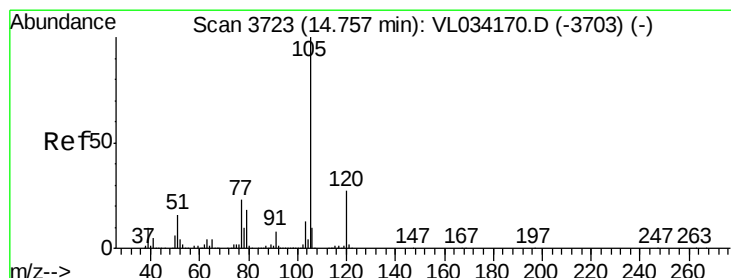
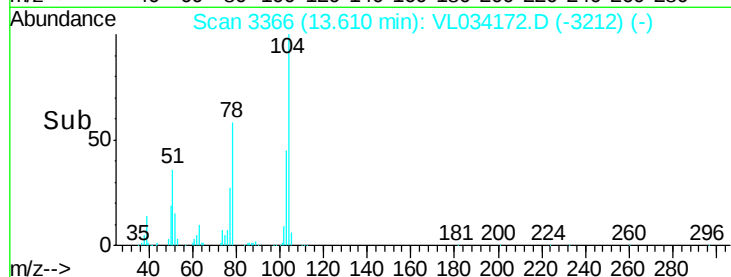
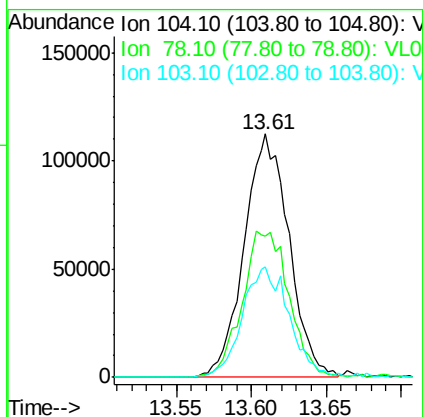
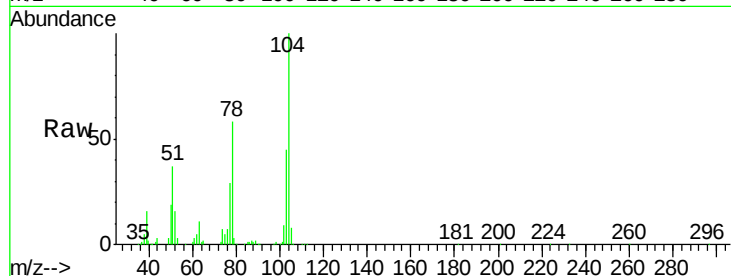
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	233781
Ion Ratio	Lower	Upper	
104	100		
78	63.0	49.7	74.5
103	48.3	38.4	57.6

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#62

Isopropylbenzene

Concen: 1.120 ppbv

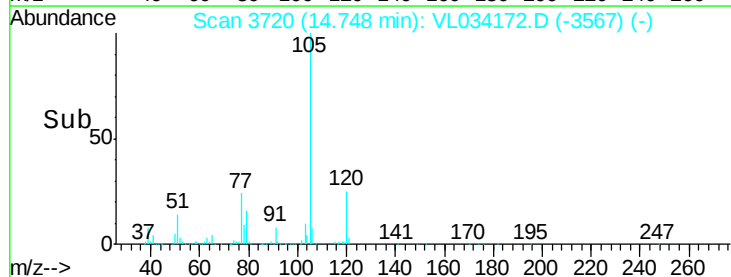
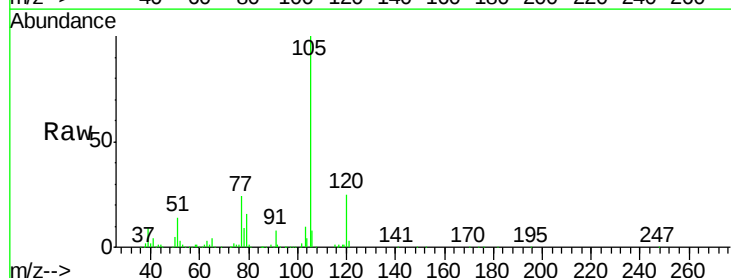
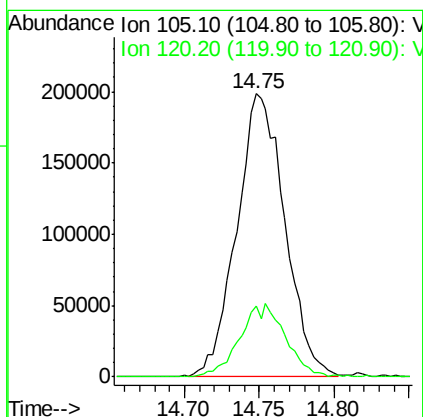
RT: 14.75 min Scan# 3720

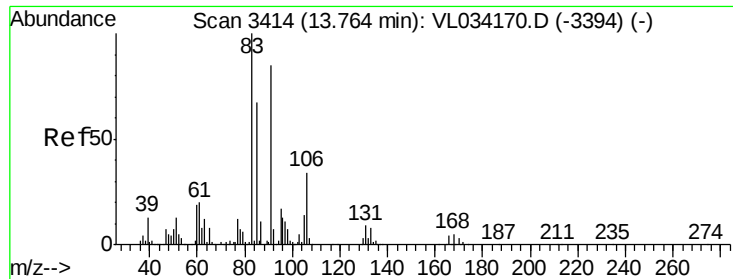
Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	105	Resp:	441699
Ion Ratio	Lower	Upper	
105	100		
120	24.8	20.7	31.1





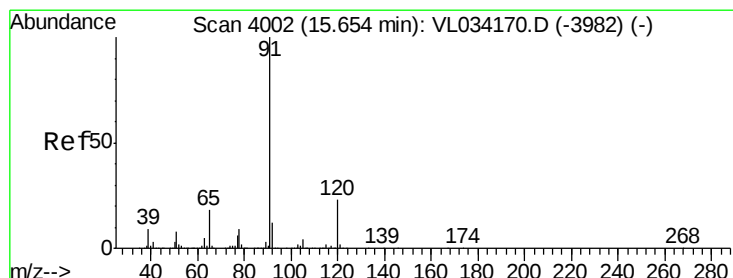
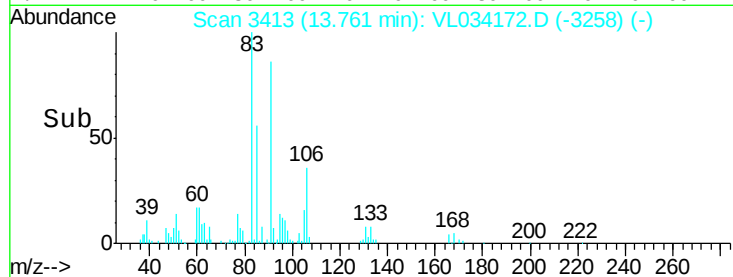
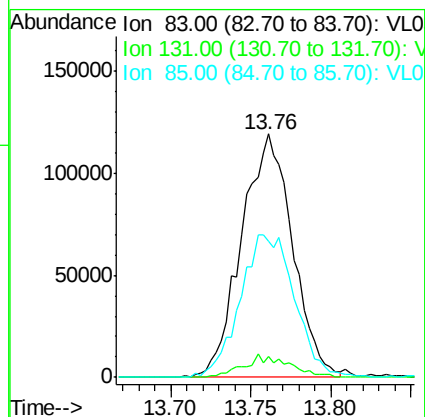
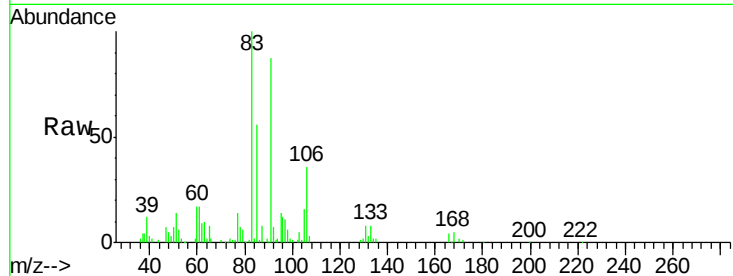
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.054 ppbv
 RT: 13.76 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	260728
Ion Ratio	100	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	63.0	32.8	98.4

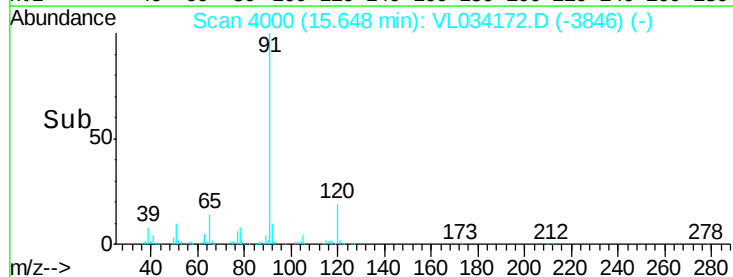
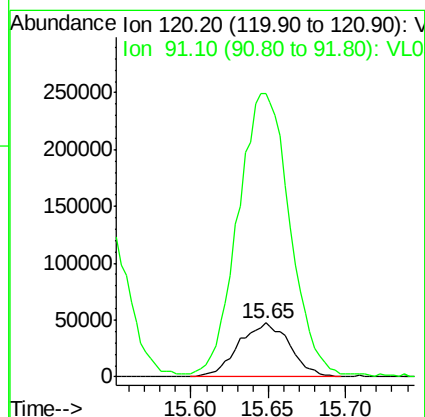
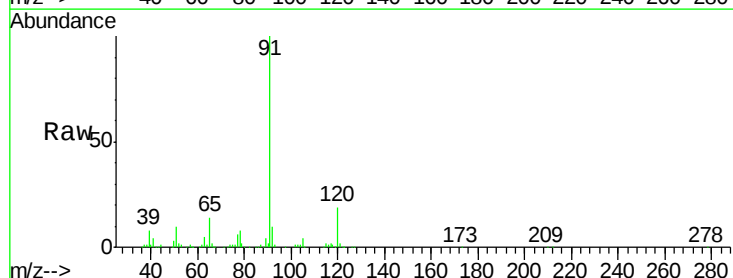
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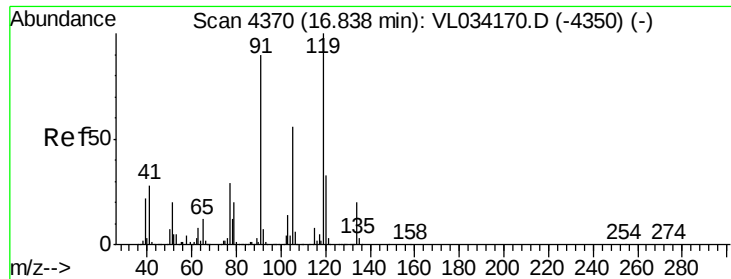
MMDadoda
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#64
 n-propylbenzene
 Concen: 1.098 ppbv
 RT: 15.65 min Scan# 4000
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	120	Resp	108581
Ion Ratio	100	Lower	Upper
120	100		
91	540.6	378.2	567.2





#65

tert-Butylbenzene

Concen: 1.182 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

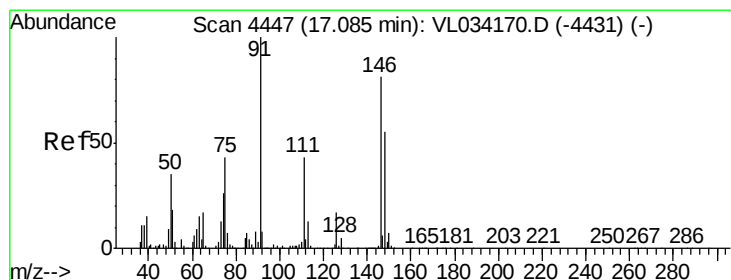
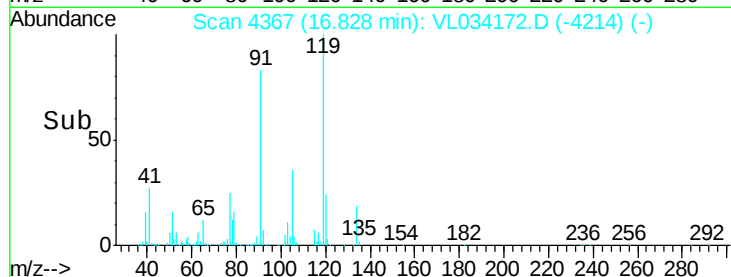
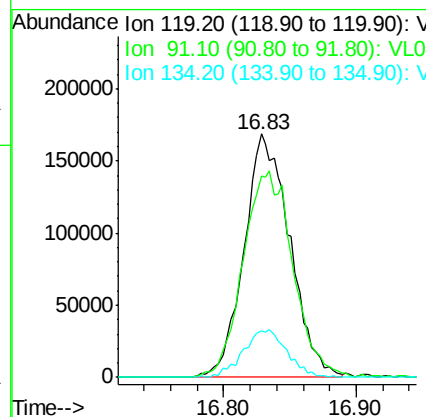
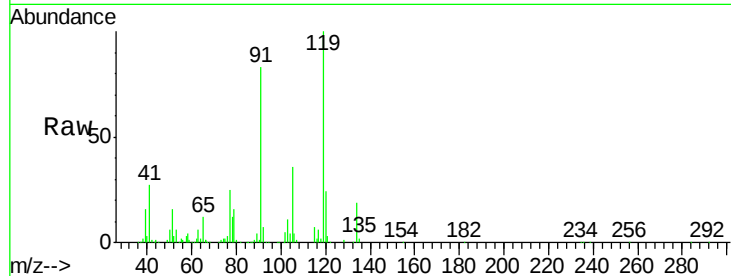
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	403200
Ion Ratio	Lower	Upper	
119	100		
91	92.5	74.9	112.3
134	18.9	15.8	23.6

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.850 ppbv

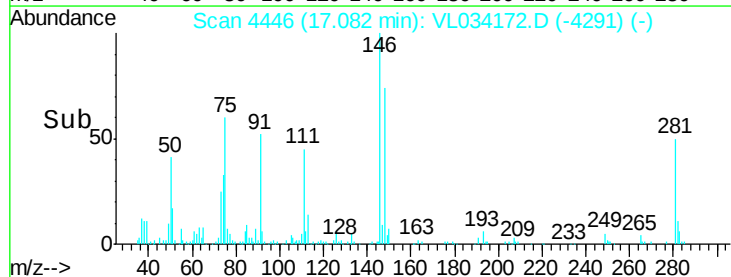
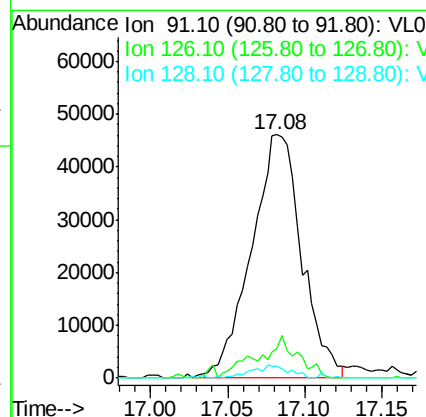
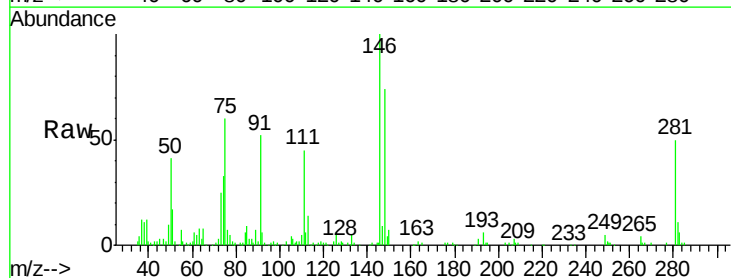
RT: 17.08 min Scan# 4446

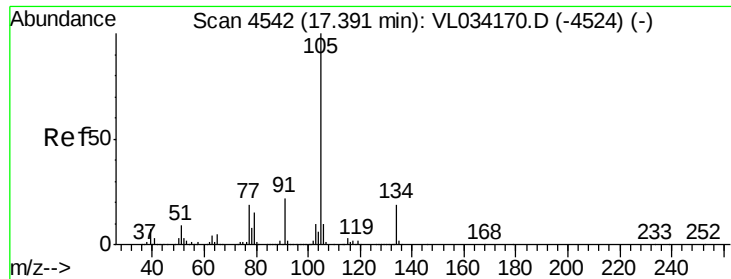
Delta R.T. -0.00 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:	91	Resp:	104896
Ion Ratio	Lower	Upper	
91	100		
126	14.8	12.6	19.0
128	4.4	4.0	6.0





#67

sec-Butylbenzene

Concen: 1.165 ppbv

RT: 17.38 min Scan# 4540

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 572332

Ion Ratio Lower Upper

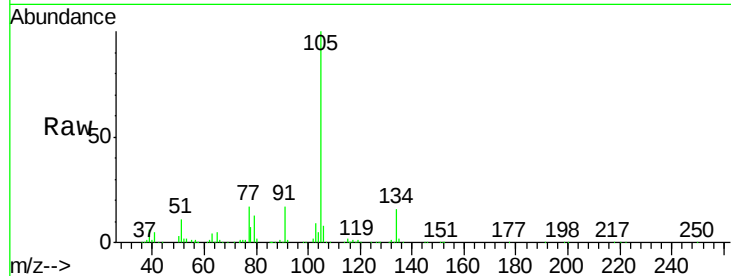
105 100

134 17.0 14.6 22.0

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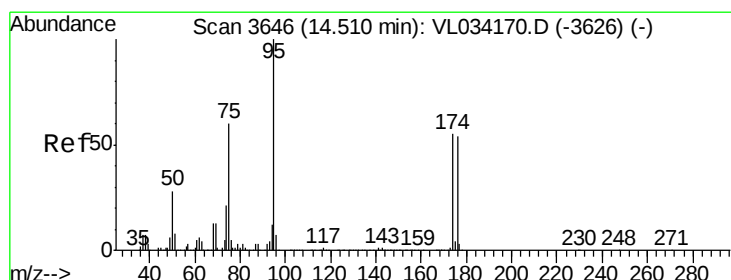
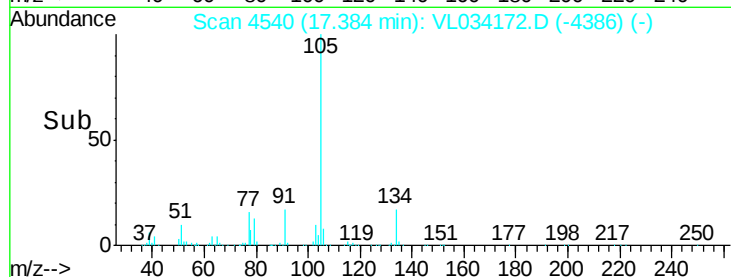
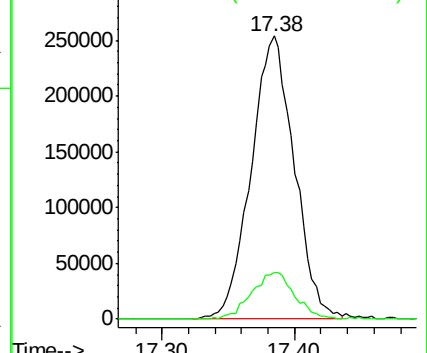
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.548 ppbv

RT: 14.50 min Scan# 3644

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

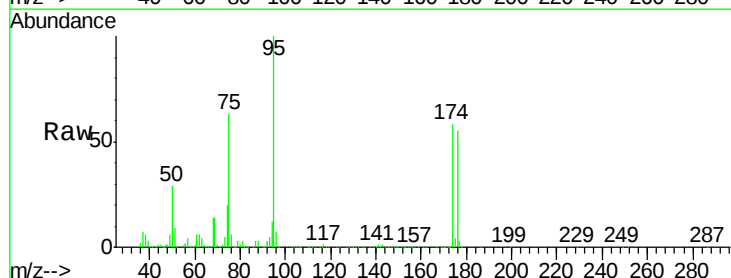
Tgt Ion: 95 Resp: 1972201

Ion Ratio Lower Upper

95 100

174 57.1 45.1 67.7

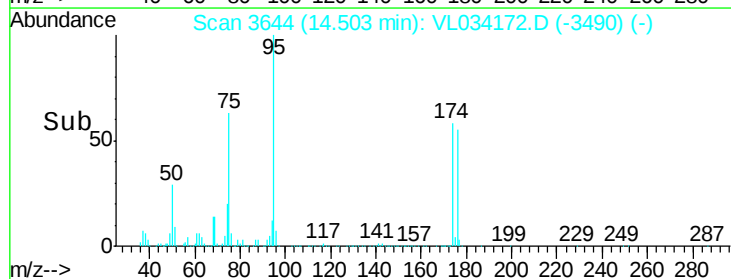
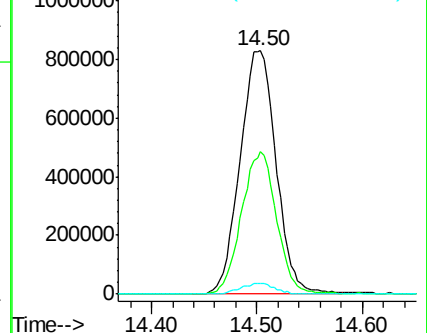
175 4.2 3.3 4.9

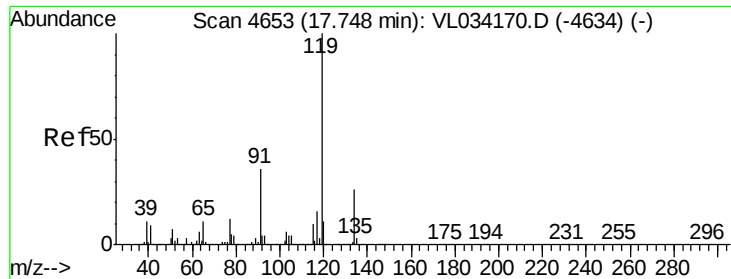


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





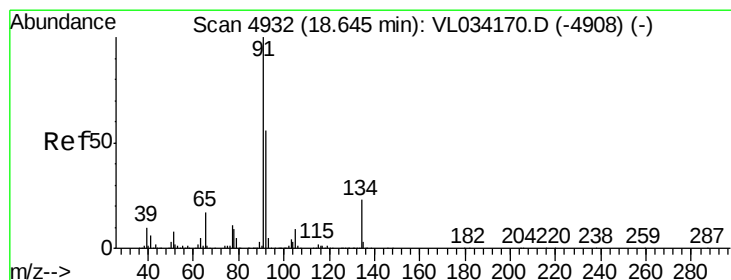
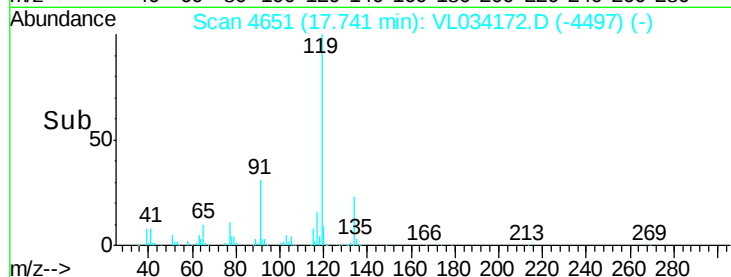
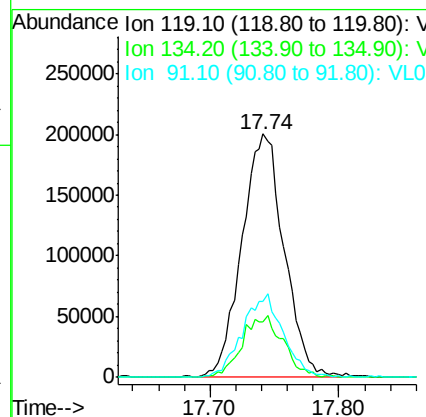
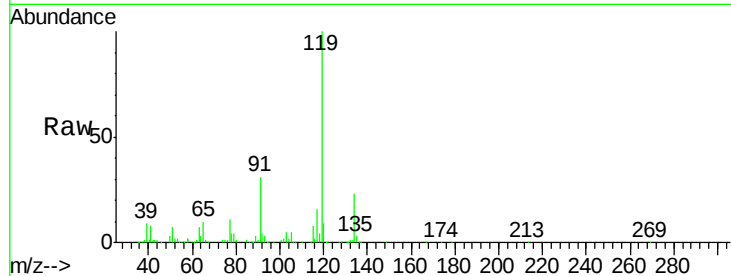
#69
 p-Isopropyltoluene
 Concen: 1.162 ppbv
 RT: 17.74 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	456952
Ion Ratio	Lower	Upper	
119	100		
134	24.6	20.6	30.8
91	33.3	27.6	41.4

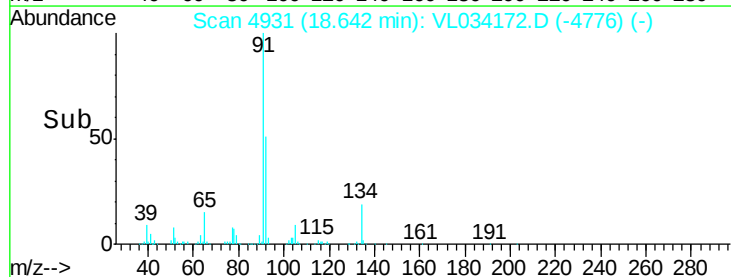
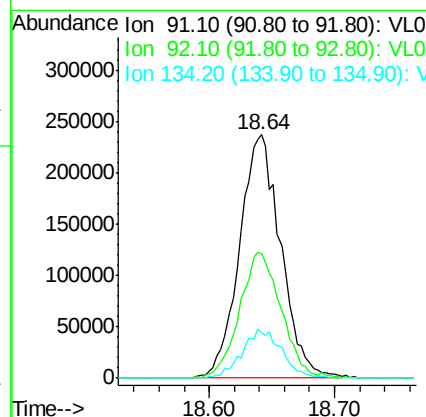
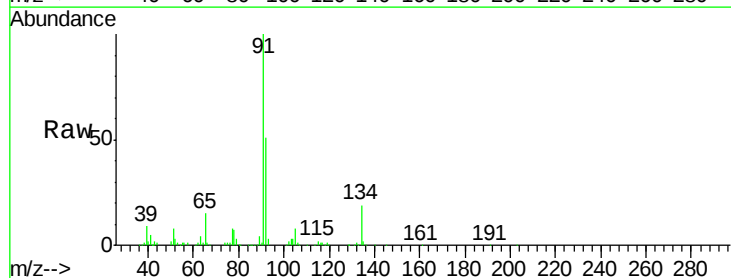
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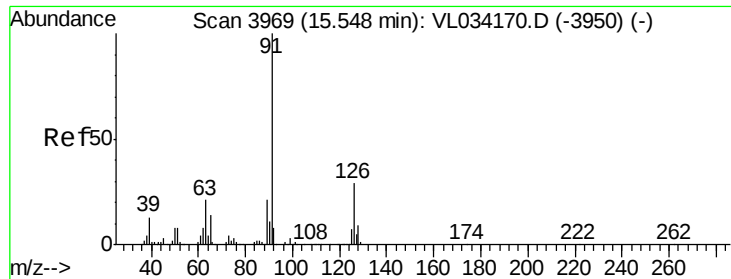
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#70
 n-Butylbenzene
 Concen: 1.202 ppbv
 RT: 18.64 min Scan# 4931
 Delta R.T. -0.00 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion:	91	Resp:	540360
Ion Ratio	Lower	Upper	
91	100		
92	52.7	44.8	67.2
134	19.2	17.3	25.9





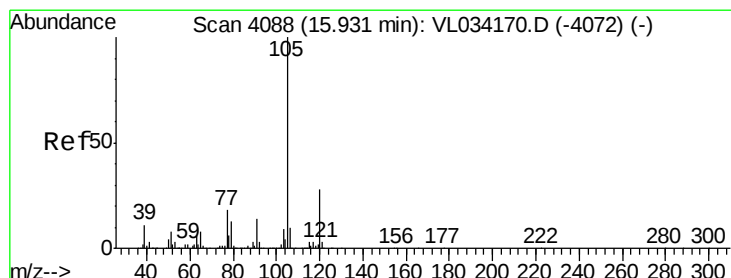
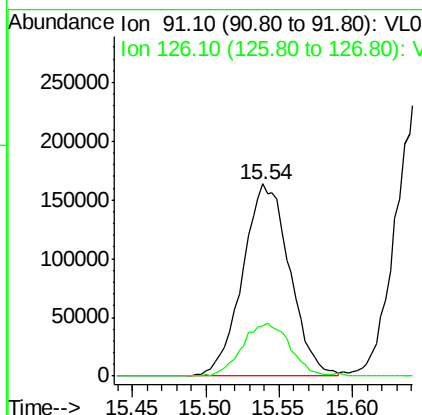
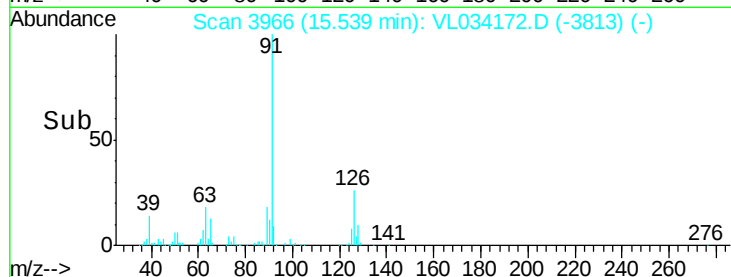
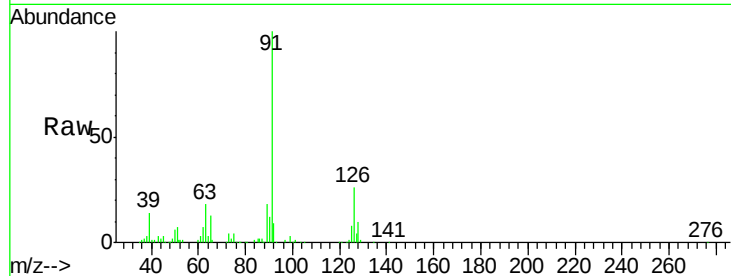
#71
 2-Chlorotoluene
 Concen: 1.126 ppbv m
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 91 Resp: 363074
 Ion Ratio Lower Upper
 91 100
 126 0.0 11.2 45.0#

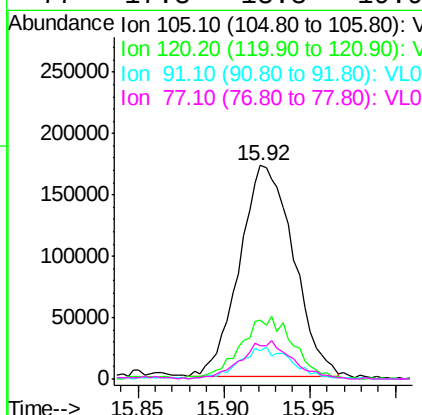
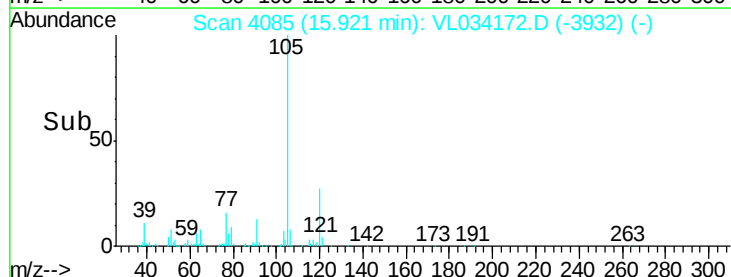
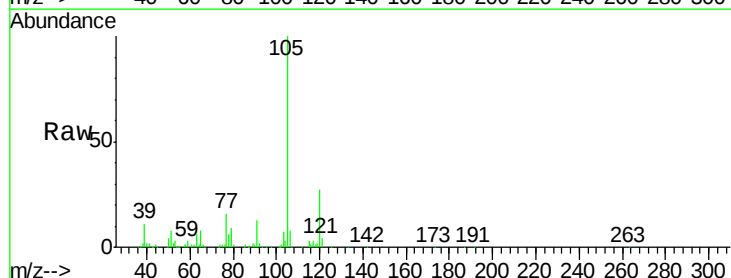
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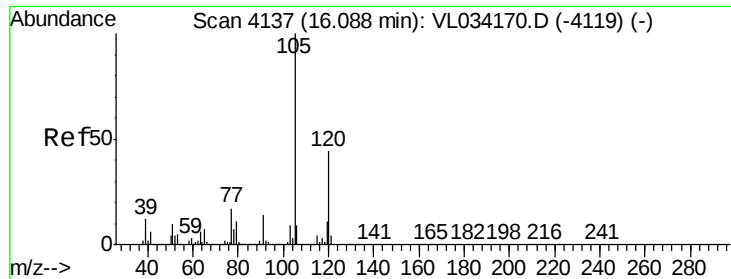
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#72
 4-Ethyltoluene
 Concen: 1.091 ppbv
 RT: 15.92 min Scan# 4085
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion: 105 Resp: 373522
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.3 34.9
 91 15.5 11.4 17.2
 77 17.3 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 1.117 ppbv

RT: 16.08 min Scan# 4135

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 371692

Ion Ratio Lower Upper

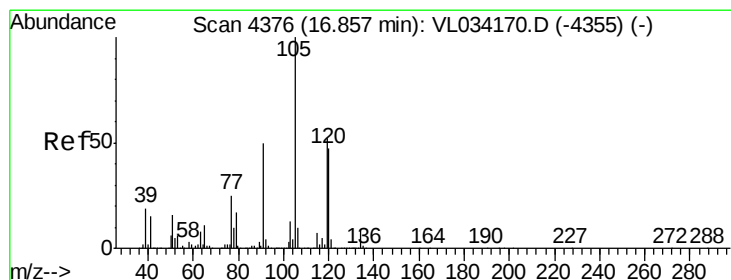
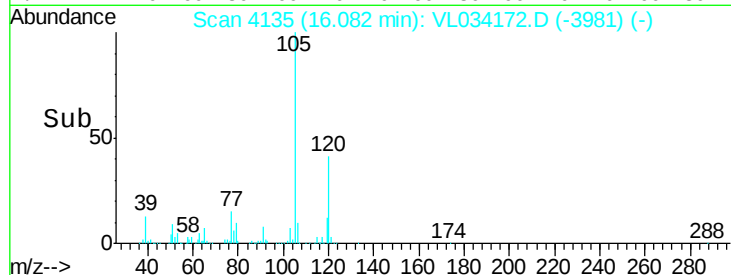
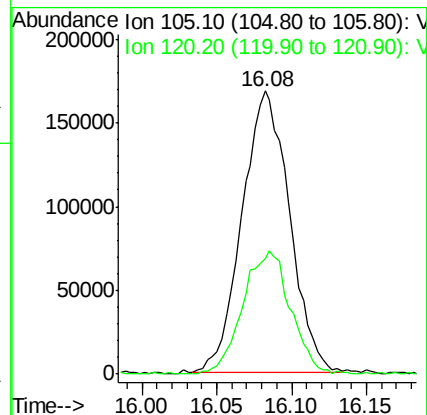
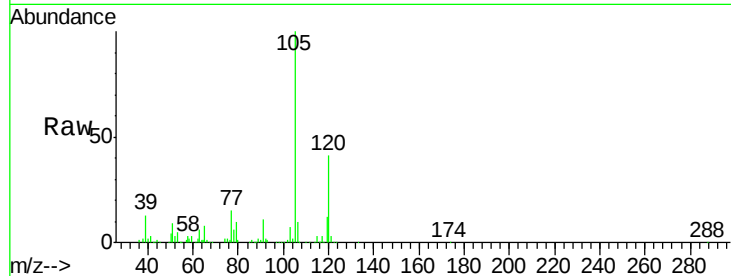
105 100

120 41.0 35.6 53.4

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#74

1,2,4-Trimethylbenzene

Concen: 1.188 ppbv m

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034172.D

Acq: 17 Sep 2019 5:30

Tgt Ion:105 Resp: 408608

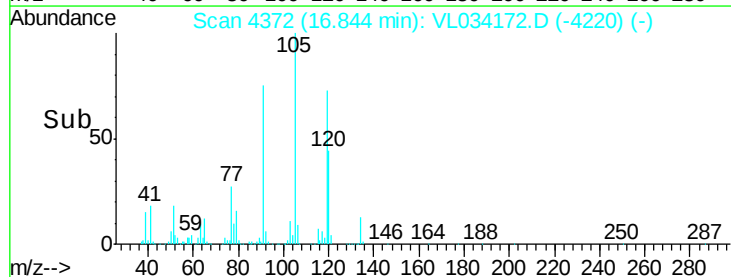
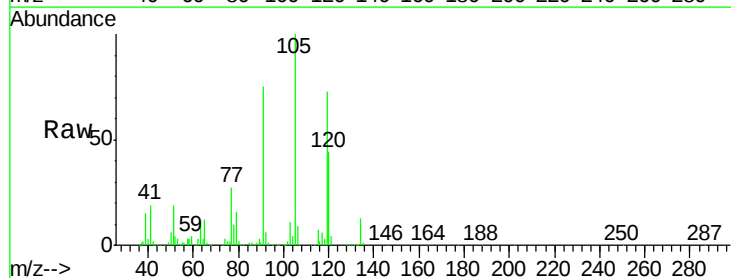
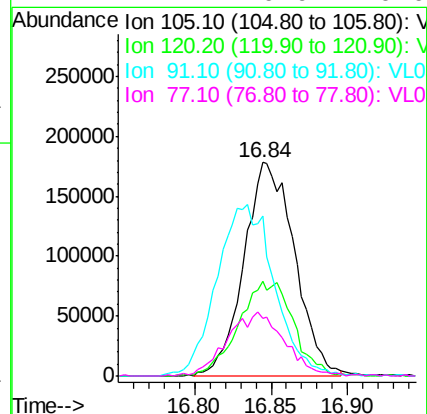
Ion Ratio Lower Upper

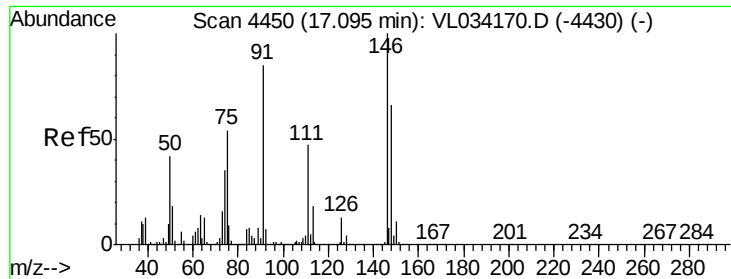
105 100

120 44.1 37.5 56.3

91 74.9 41.1 61.7#

77 27.2 19.9 29.9





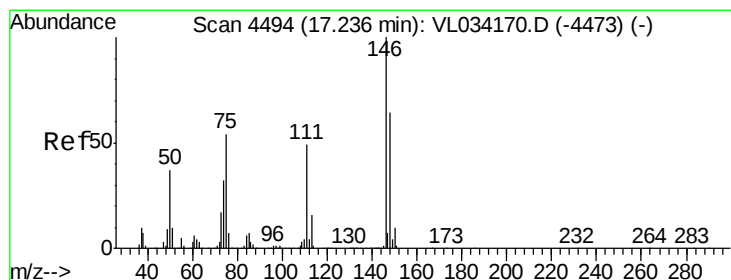
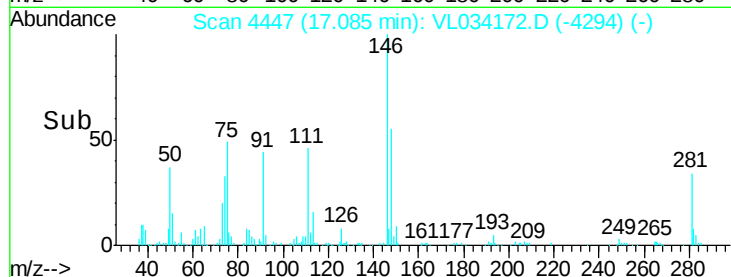
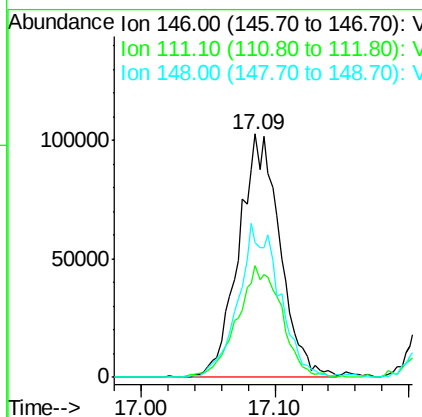
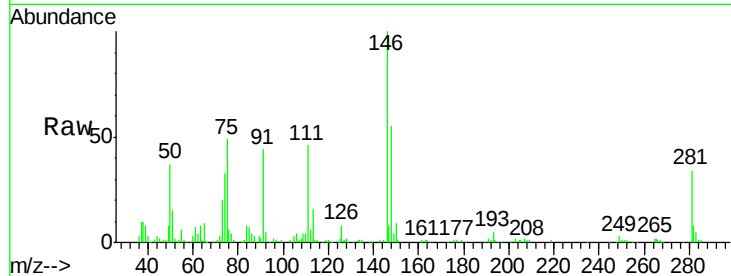
#75
 1,3-Dichlorobenzene
 Concen: 1.212 ppbv m
 RT: 17.09 min Scan# 4447
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	25.9	77.8
148	63.0	32.6	97.7

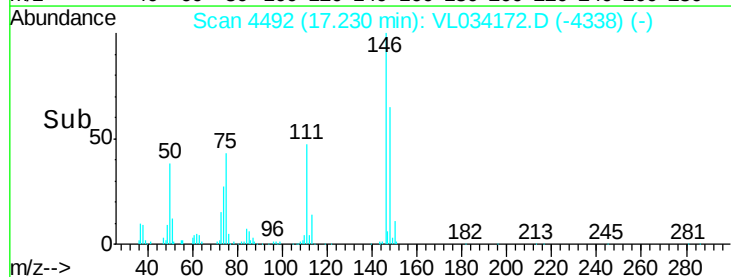
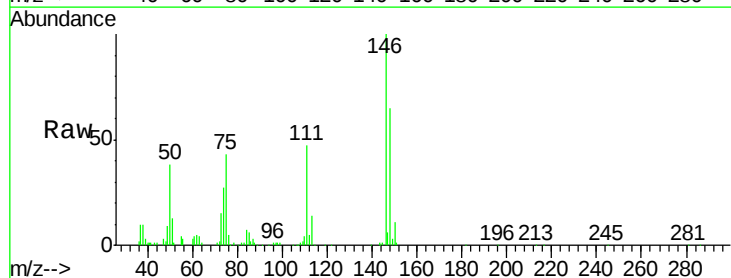
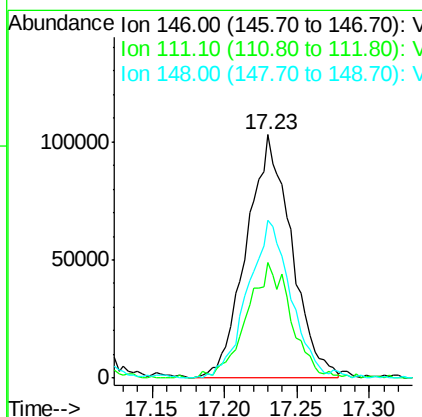
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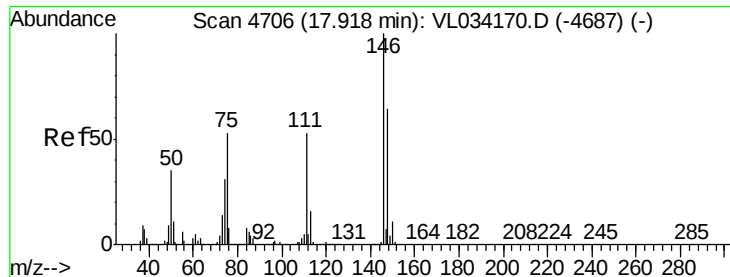
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#76
 1,4-Dichlorobenzene
 Concen: 1.168 ppbv
 RT: 17.23 min Scan# 4492
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	24.6	74.0
148	62.9	32.4	97.0





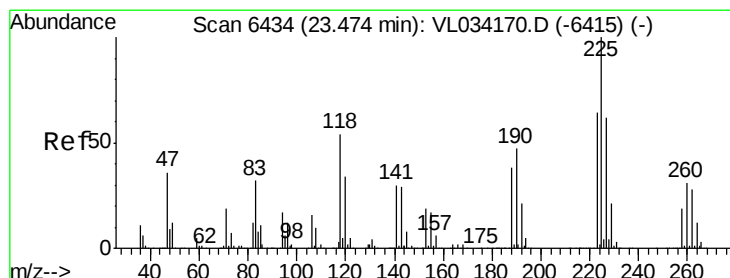
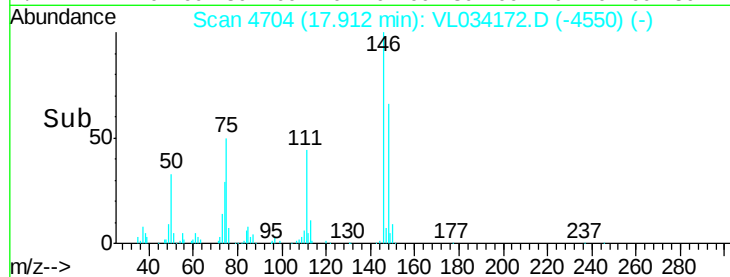
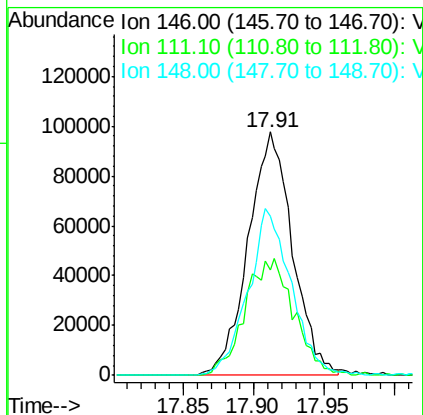
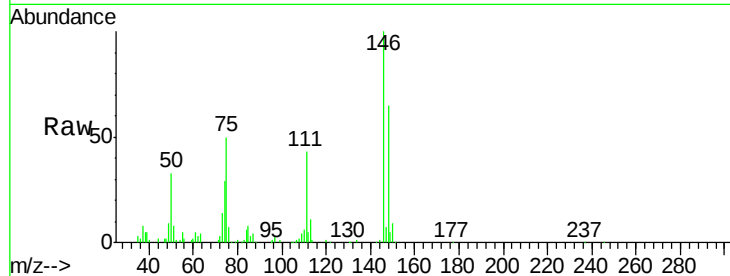
#77
 1,2-Dichlorobenzene
 Concen: 1.151 ppbv
 RT: 17.91 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.3	26.1	78.3
148	67.2	31.9	95.9

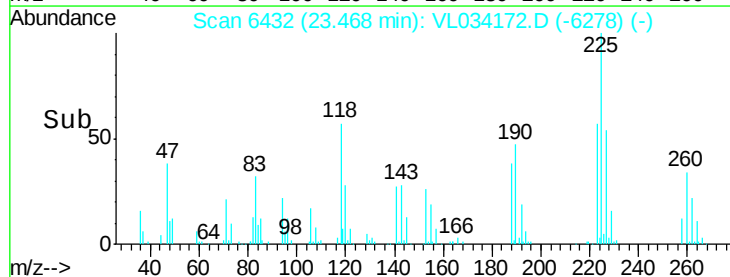
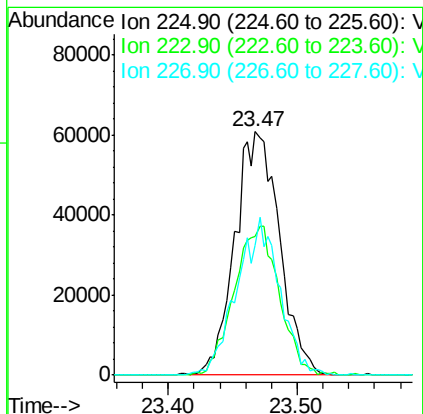
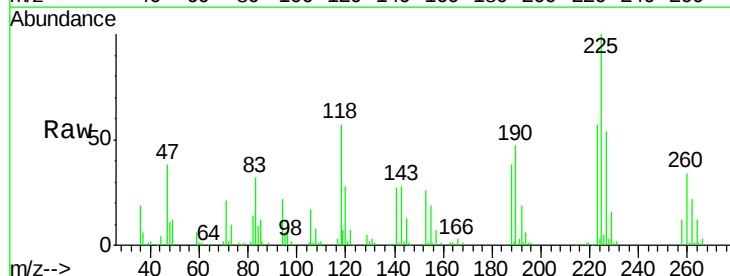
Manual Integrations
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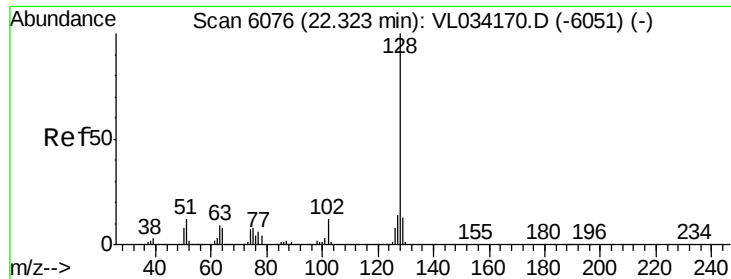
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.166 ppbv m
 RT: 23.47 min Scan# 6432
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.7	77.5#
227	0.0	52.1	78.1#





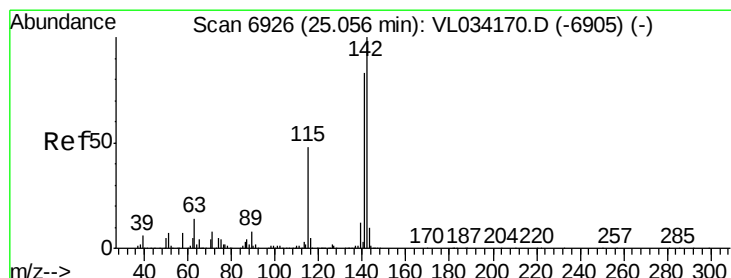
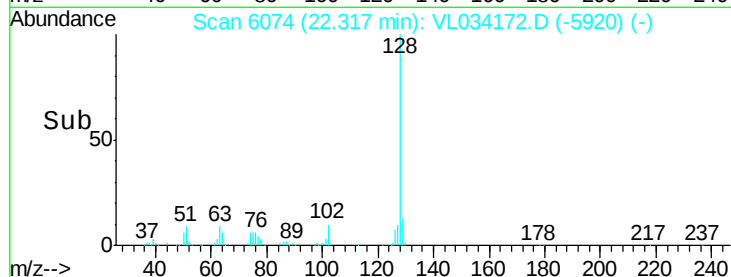
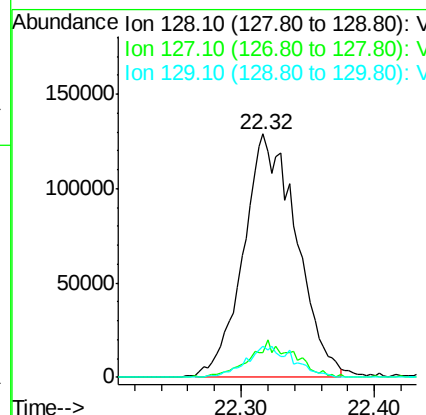
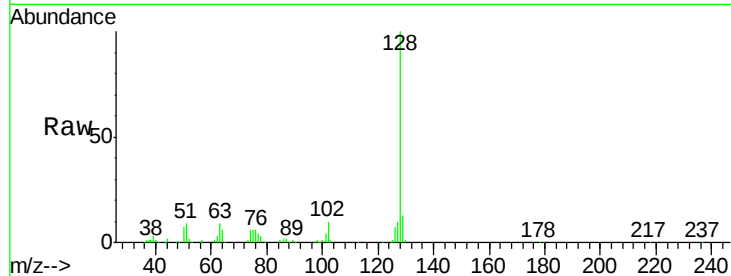
#79
Naphthalene
Concen: 1.156 ppbv m
RT: 22.32 min Scan# 6074
Delta R.T. -0.01 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.3	11.1	16.7#
129	12.9	10.2	15.4

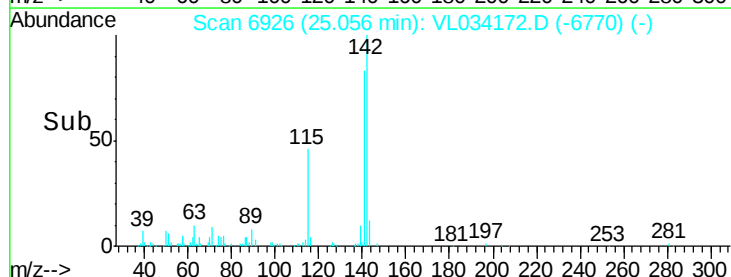
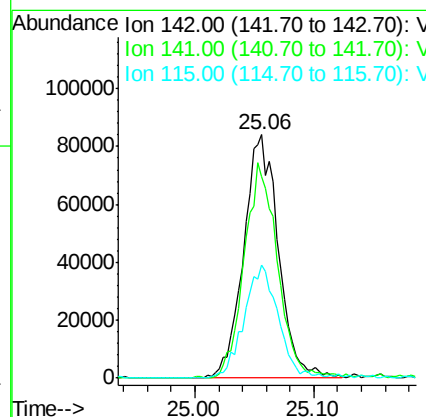
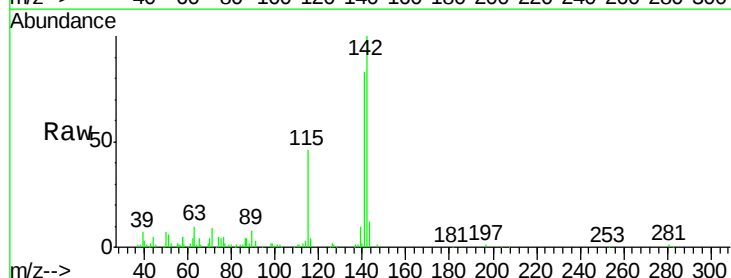
Manual Integrations
APPROVED

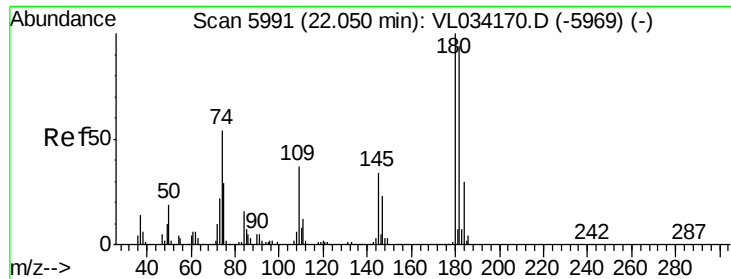
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9/20/2019 12:43:57 AM



#80
Naphthalene, 2-methyl-
Concen: 1.625 ppbv
RT: 25.06 min Scan# 6926
Delta R.T. 0.00 min
Lab File: VL034172.D
Acq: 17 Sep 2019 5:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.4	67.6	101.4
115	46.4	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 1.155 ppbv
 RT: 22.04 min Scan# 5988
 Delta R.T. -0.01 min
 Lab File: VL034172.D
 Acq: 17 Sep 2019 5:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	194134
Ion Ratio	Lower	Upper	
180	100		
182	98.0	77.4	116.2
184	31.5	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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