

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034361.D
 Acq On : 25 Oct 2019 12:29
 Operator : SY/AP
 Sample : VL1025ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1025ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 2:13:25 AM

Quant Time: Oct 25 23:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	894865	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1892272	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2081087	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1601850	9.09	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1073748	6.960	ppbv	98
3) Chlorodifluoromethane	2.96	51	963316	9.184	ppbv	100
4) Chloromethane	3.11	50	579617	9.342	ppbv	99
5) Vinyl Chloride	3.23	62	548068	9.264	ppbv	99
6) Bromomethane	3.46	94	292595	10.101	ppbv	97
7) Chloroethane	3.54	64	200349	9.622	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1230040	9.202	ppbv	96
9) Propene	2.98	41	457945	9.849	ppbv	100
10) Heptane	8.16	43	1189182	9.965	ppbv	98
11) Trichlorofluoromethane	3.94	101	1372736	9.372	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	928454	9.676	ppbv	99
13) Ethanol	3.59	45	92908	8.925	ppbv	98
14) Bromoethene	3.72	108	396814	10.503	ppbv	98
15) Acetone	3.84	43	1006244	7.862	ppbv	98
16) 1,3-Butadiene	3.30	39	505674	9.723	ppbv	99
17) tert-Butyl alcohol	4.29	59	962180	11.778	ppbv	99
18) 1,1-Dichloroethene	4.28	96	426400	10.149	ppbv	92
19) Isopropyl Alcohol	3.96	45	759522	10.637	ppbv	100
20) Methylene Chloride	4.34	84	370593	8.009	ppbv	95
21) Allyl Chloride	4.41	41	721028	10.190	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	424926	10.140	ppbv	98
23) Vinyl Acetate	5.08	43	1553041	9.716	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1127153	9.501	ppbv	99
25) Ethyl Acetate	5.69	43	2021827	9.356	ppbv	99
26) Hexane	5.70	57	885130	9.610	ppbv	97
27) Carbon Disulfide	4.55	76	1065198	11.140	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1526696	10.952	ppbv	98
29) Chloroform	5.77	83	1400055	9.610	ppbv	99
30) Cyclohexane	7.16	84	735294	10.855	ppbv	92
31) cis-1,2-Dichloroethene	5.56	61	953746	10.203	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1381028	9.747	ppbv	98
34) 2-Butanone	5.25	43	1349927	8.728	ppbv	98
35) Carbon Tetrachloride	7.05	117	1398579	8.485	ppbv	95
36) Benzene	6.92	78	1731209	9.535	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1178370	8.709	ppbv	99
38) Trichloroethene	7.87	130	665597m	9.136	ppbv	
39) 1,2-Dichloropropane	7.65	63	718312	9.188	ppbv	99
40) 1,4-Dioxane	7.86	88	271004	9.864	ppbv	# 1
41) Tetrahydrofuran	6.07	42	801931	9.342	ppbv	96
42) Bromodichloromethane	7.83	83	1548196	9.342	ppbv	99
43) Methyl Methacrylate	8.05	69	725948	9.668	ppbv	96

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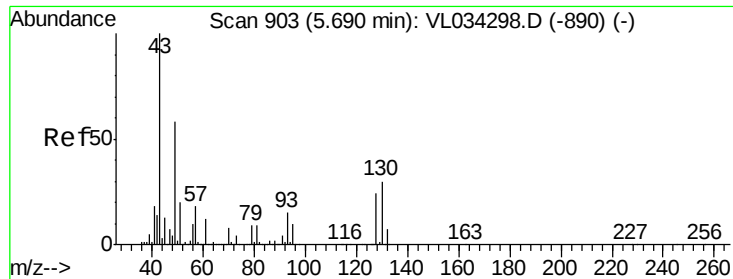
Manual Integrations
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MMDadoda
 10/31/2019 2:13:25 AM

Quant Time: Oct 25 23:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3011655	8.962	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	971505	10.619	ppbv	97
46) cis-1,3-Dichloropropene	8.74	75	1101120	10.476	ppbv	97
47) 1,1,2-Trichloroethane	9.52	97	709257	8.957	ppbv	98
48) Dibromochloromethane	10.36	129	1254547	9.658	ppbv	99
49) Bromoform	13.11	173	1119096	9.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2004755	9.054	ppbv	98
51) 2-Hexanone	10.18	43	1700450	9.368	ppbv #	97
52) Tetrachloroethene	11.28	164	658761	9.257	ppbv	97
53) Toluene	9.85	91	2010779	10.036	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1078362	9.188	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	815259	8.501	ppbv	94
57) Chlorobenzene	12.20	112	1482921	8.541	ppbv	99
58) Ethyl Benzene	12.77	91	2716185	9.337	ppbv	97
59) m/p-Xylene	13.06	91	4442573m	17.625	ppbv	
60) o-Xylene	13.76	91	2192978	8.737	ppbv	99
61) Styrene	13.59	104	1687544	9.550	ppbv	98
62) Isopropylbenzene	14.73	105	2917890	8.807	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1500954	7.442	ppbv	99
64) n-propylbenzene	15.63	120	756526	8.897	ppbv	98
65) tert-Butylbenzene	16.82	119	2563019	8.728	ppbv	99
66) Benzyl Chloride	17.06	91	1037801	8.948	ppbv	100
67) sec-Butylbenzene	17.37	105	3559972	8.615	ppbv	98
69) p-Isopropyltoluene	17.72	119	2958927	8.782	ppbv	98
70) n-Butylbenzene	18.62	91	3126515	8.529	ppbv	98
71) 2-Chlorotoluene	15.52	91	2283534	8.889	ppbv	100
72) 4-Ethyltoluene	15.91	105	2584458	9.160	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2427316	8.683	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2479457	8.505	ppbv	98
75) 1,3-Dichlorobenzene	17.07	146	1401249	8.006	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1415649	8.280	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1361410	7.934	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1249308	8.801	ppbv	100
79) Naphthalene	22.30	128	2499396	11.737	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	1247518	20.267	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1439695	10.351	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

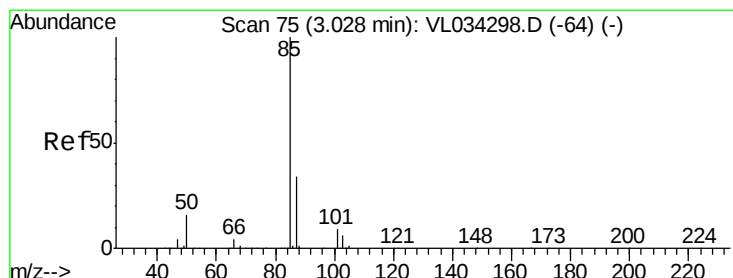
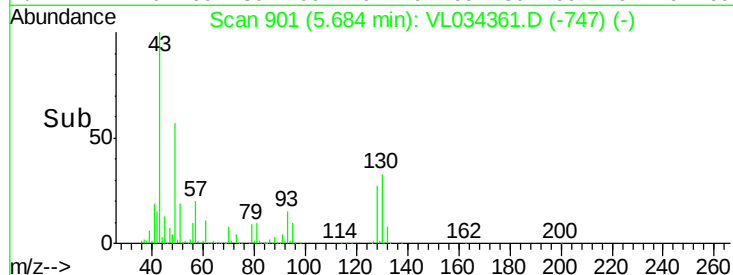
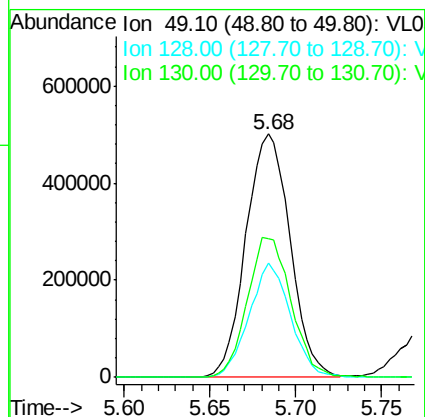
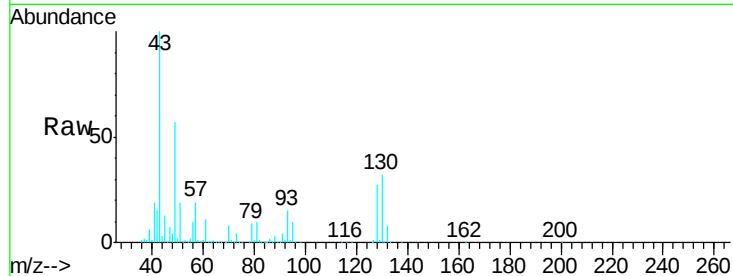
ClientSampleId :

VL1025ABS01

Tgt Ion:	49	Resp:	894865
Ion	Ratio	Lower	Upper
49	100		
128	44.1	20.6	61.8
130	56.9	26.2	78.5

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#2

Dichlorodifluoromethane

Concen: 6.960 ppbv

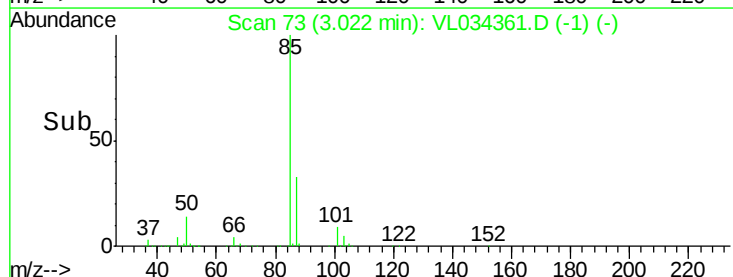
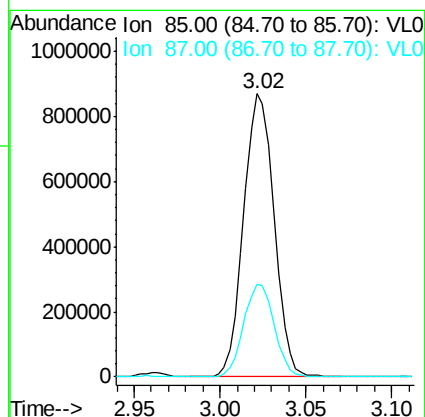
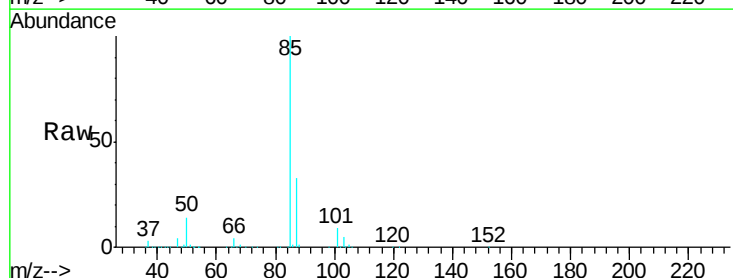
RT: 3.02 min Scan# 73

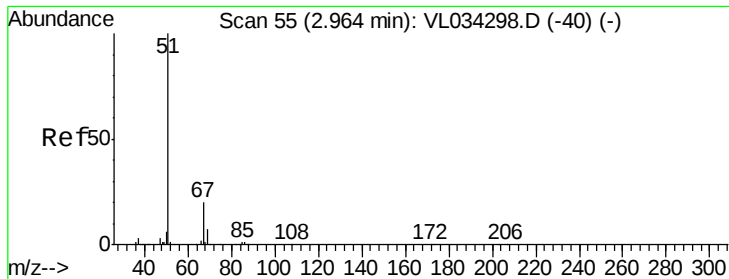
Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Tgt Ion:	85	Resp:	1073748
Ion	Ratio	Lower	Upper
85	100		
87	32.8	27.0	40.6





#3

Chlorodifluoromethane

Concen: 9.184 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

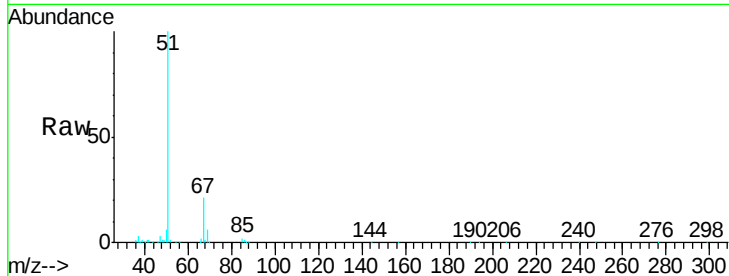
Tgt Ion: 51 Resp: 963316
Ion Ratio Lower Upper

51 100

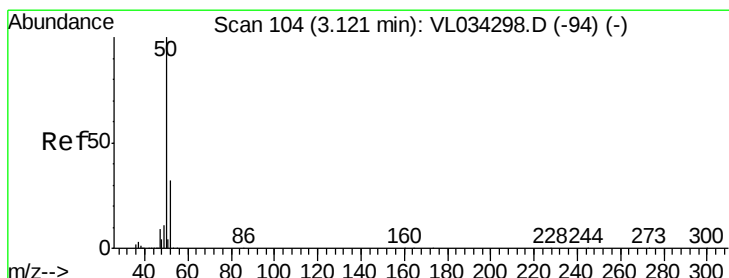
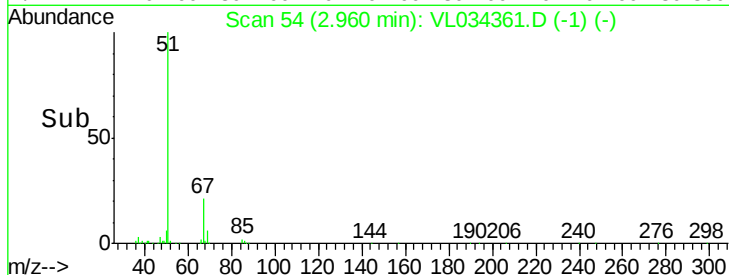
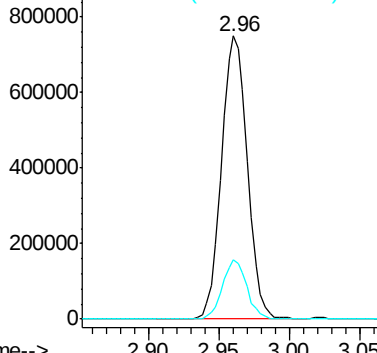
67 19.8 15.8 23.8

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Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.342 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

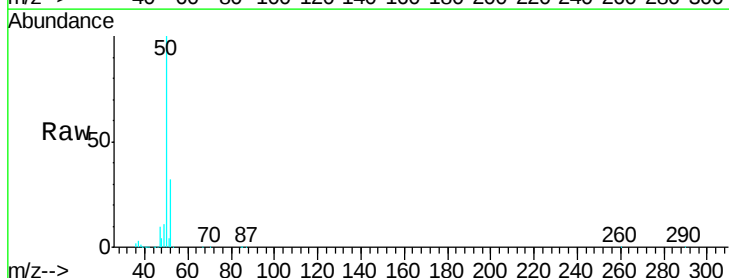
Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

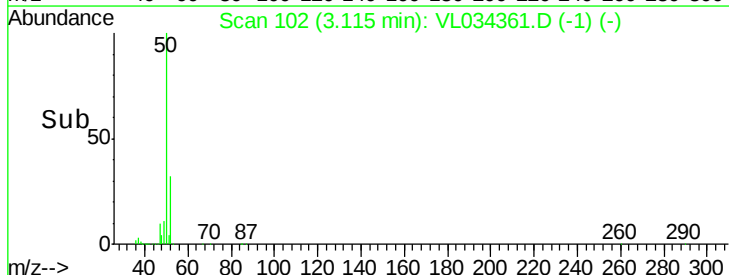
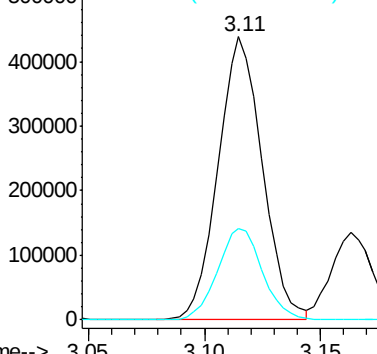
Tgt Ion: 50 Resp: 579617
Ion Ratio Lower Upper

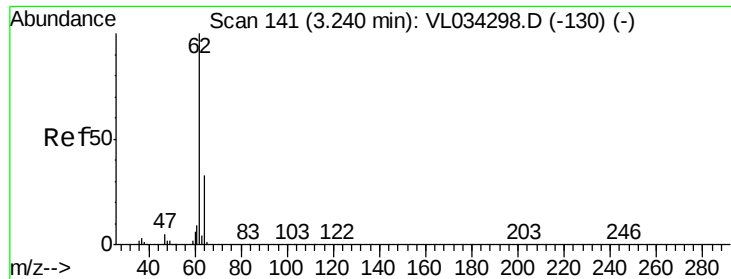
50 100

52 32.3 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.264 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 62 Resp: 548068

Ion Ratio Lower Upper

62 100

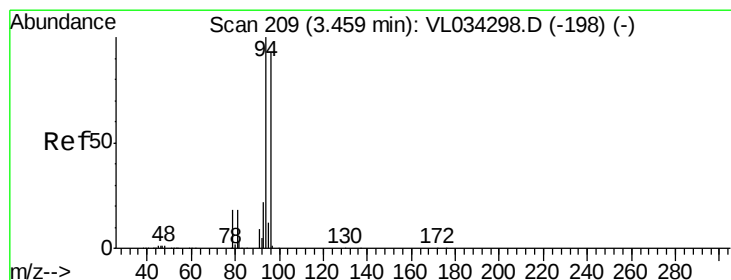
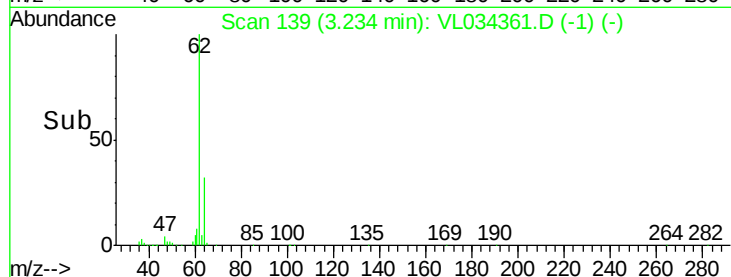
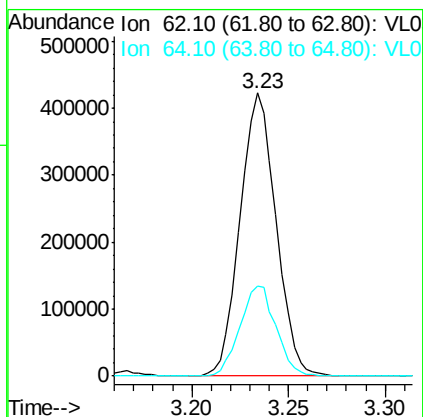
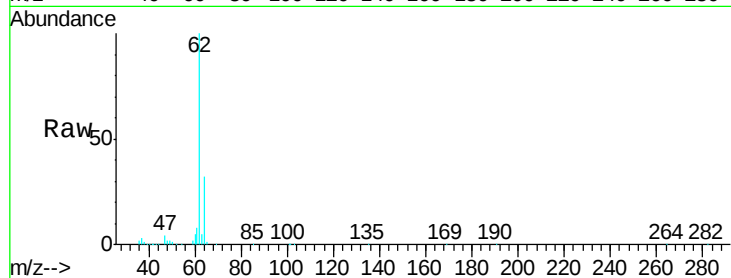
64 32.0 26.0 39.0

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#6

Bromomethane

Concen: 10.101 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL034361.D

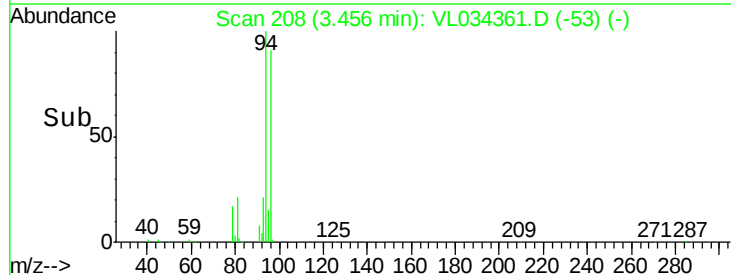
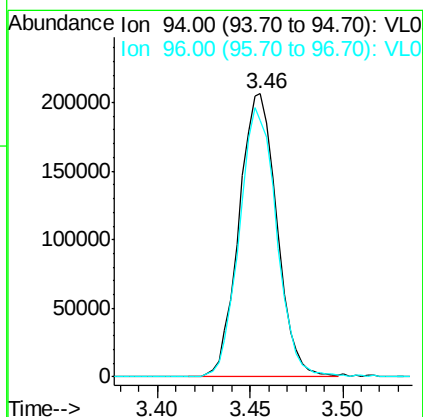
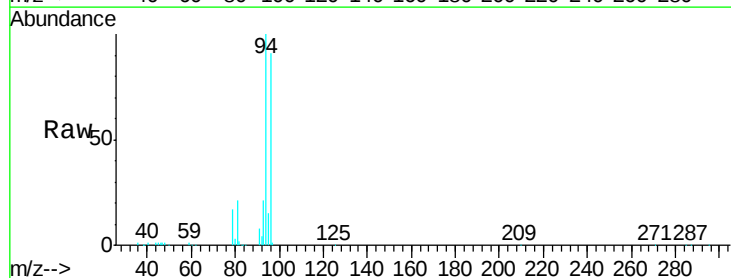
Acq: 25 Oct 2019 12:29

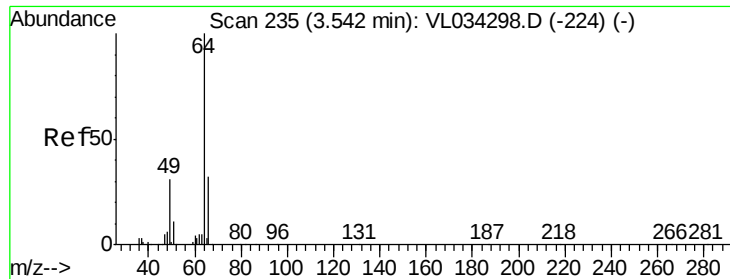
Tgt Ion: 94 Resp: 292595

Ion Ratio Lower Upper

94 100

96 90.7 74.6 112.0





#7

Chloroethane

Concen: 9.622 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 64 Resp: 200349

Ion Ratio Lower Upper

64 100

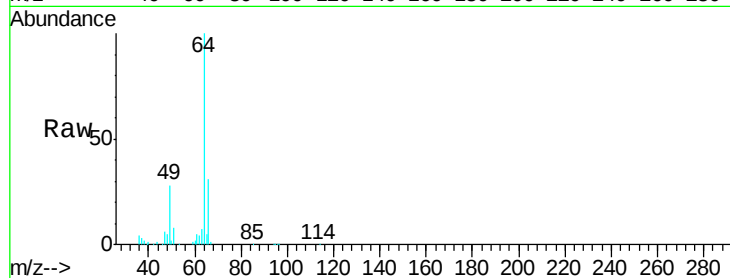
66 30.6 25.4 38.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

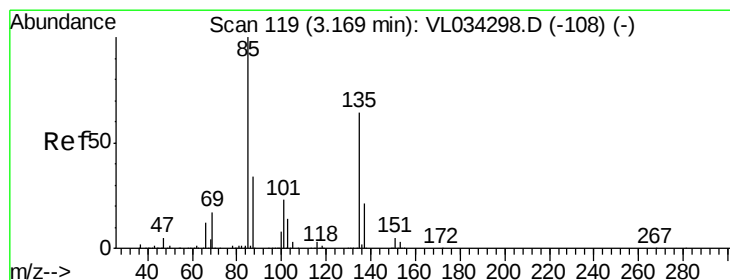
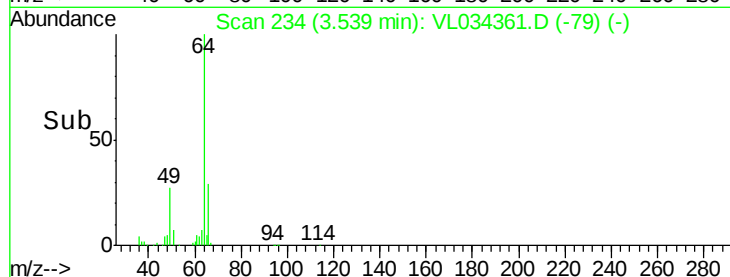
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.202 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL034361.D

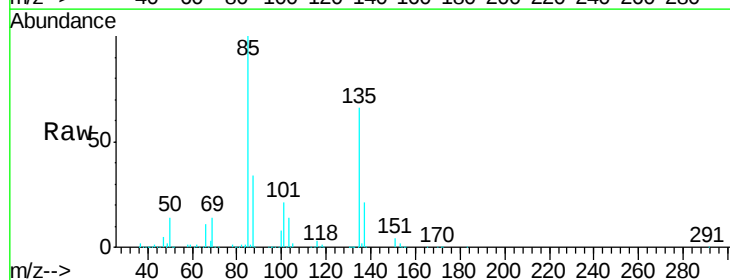
Acq: 25 Oct 2019 12:29

Tgt Ion: 85 Resp: 1230040

Ion Ratio Lower Upper

85 100

135 65.9 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1000000

800000

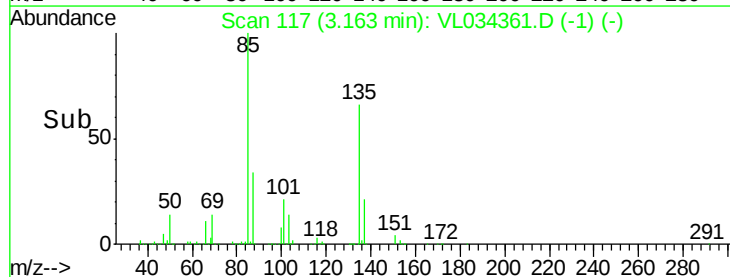
600000

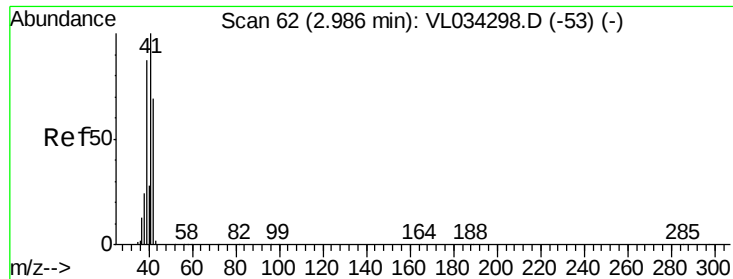
400000

200000

0

Time-->





#9

Propene

Concen: 9.849 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 41 Resp: 457945

Ion Ratio Lower Upper

41 100

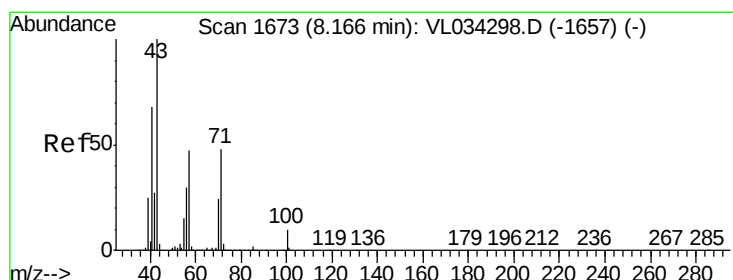
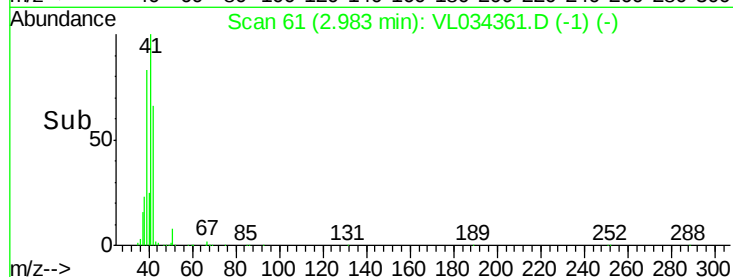
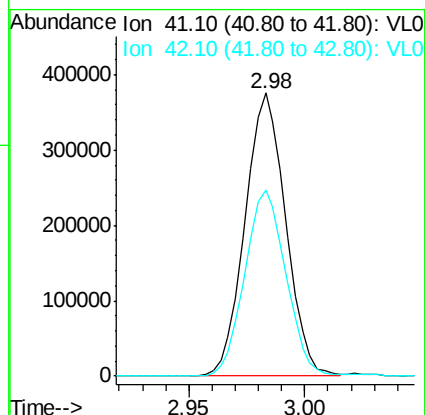
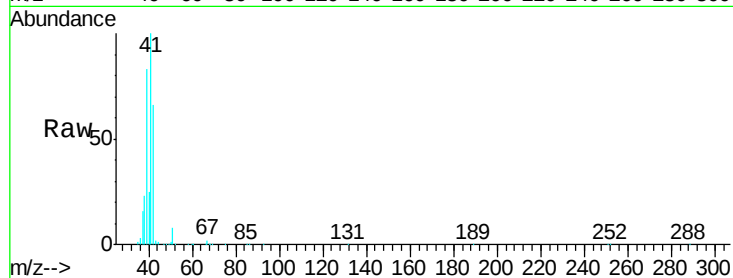
42 67.5 53.9 80.9

Manual Integrations

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10/31/2019 2:13:25 AM



#10

Heptane

Concen: 9.965 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VL034361.D

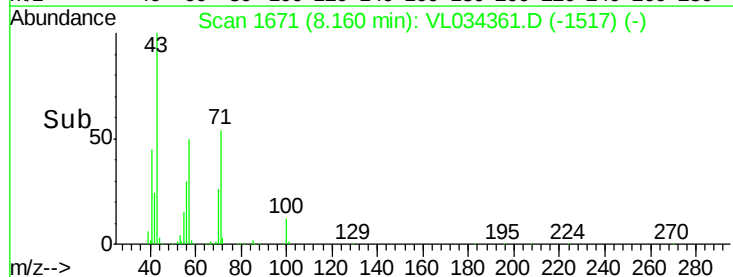
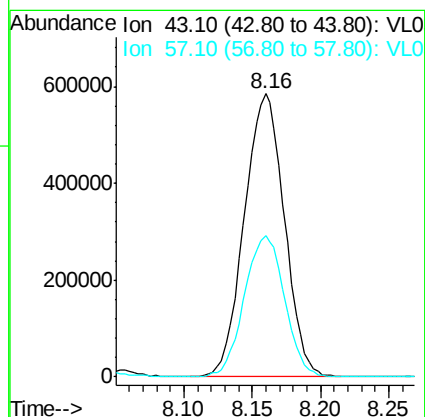
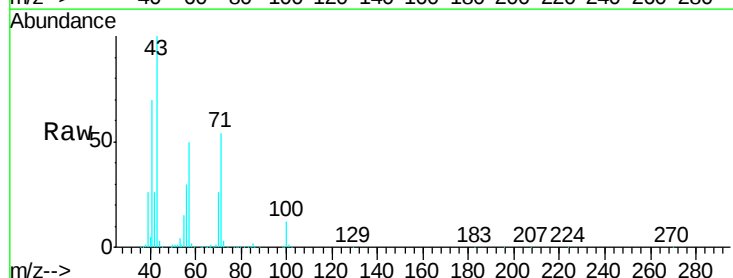
Acq: 25 Oct 2019 12:29

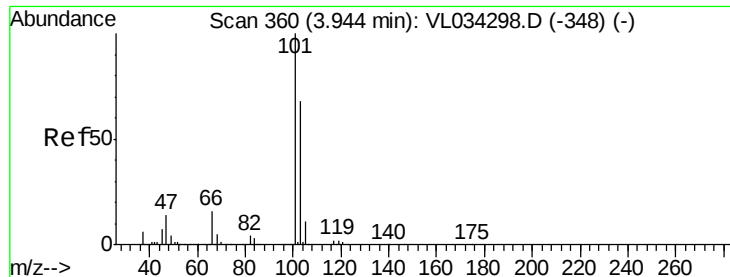
Tgt Ion: 43 Resp: 1189182

Ion Ratio Lower Upper

43 100

57 50.5 39.5 59.3





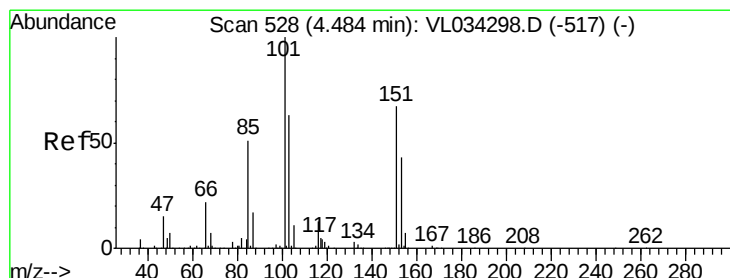
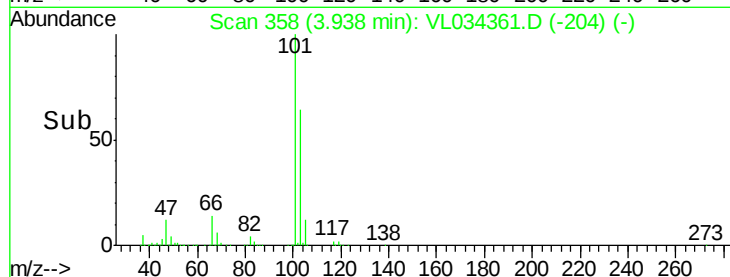
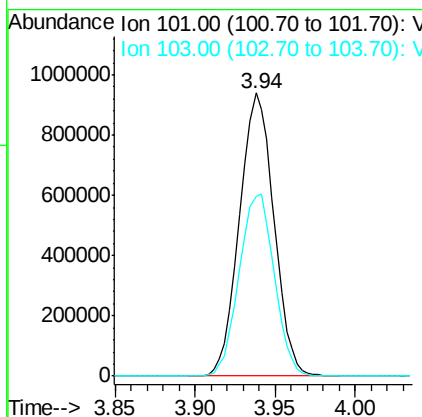
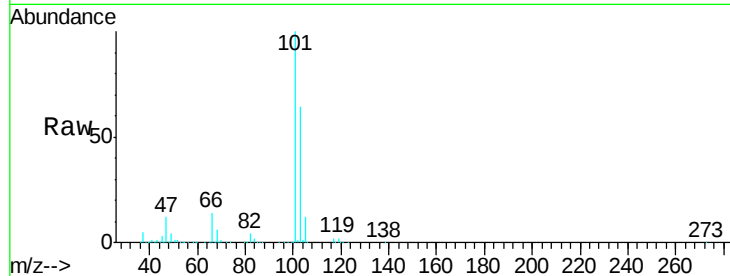
#11
 Trichlorofluoromethane
 Concen: 9.372 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion:101 Resp: 1372736
 Ion Ratio Lower Upper
 101 100
 103 63.7 54.5 81.7

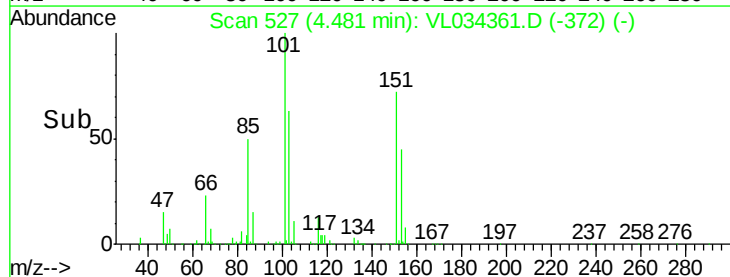
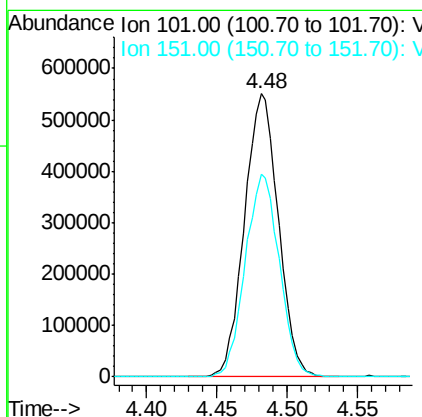
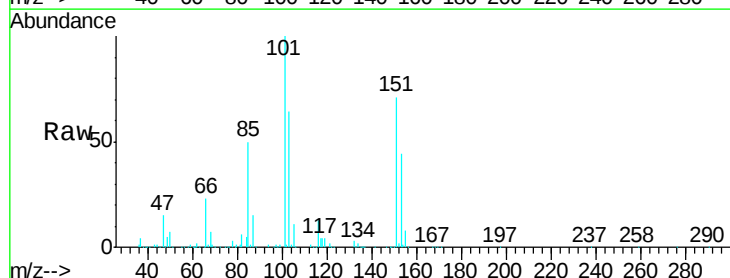
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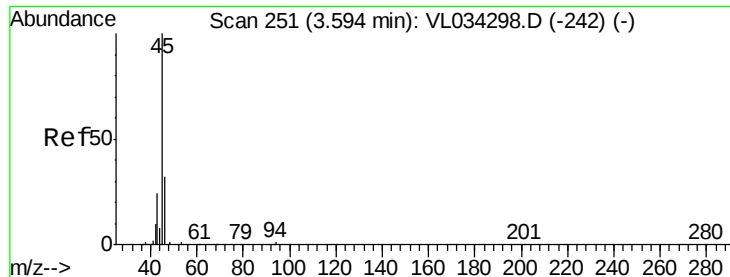
MMDadoda
 10/31/2019 2:13:25 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.676 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion:101 Resp: 928454
 Ion Ratio Lower Upper
 101 100
 151 72.3 57.4 86.2





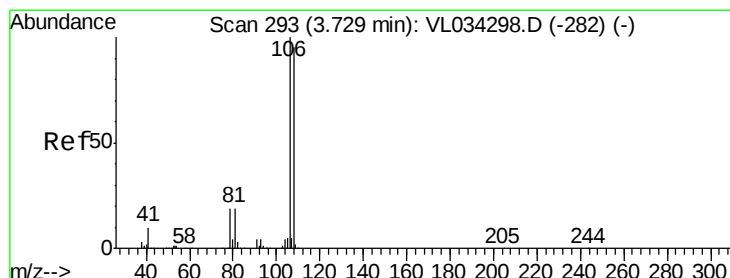
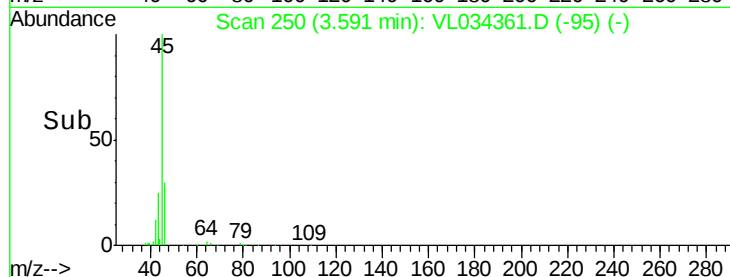
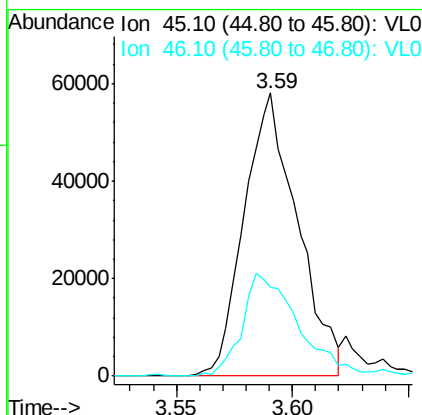
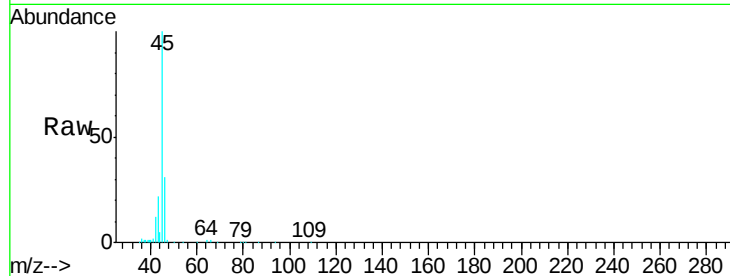
#13
Ethanol
Concen: 8.925 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.00 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
45	100		
46	40.5	15.8	63.2

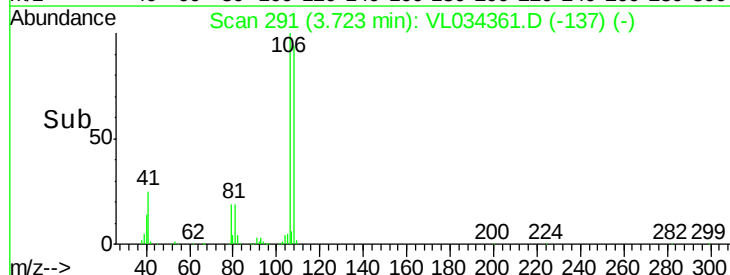
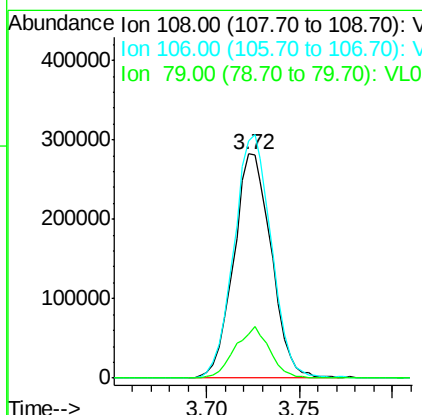
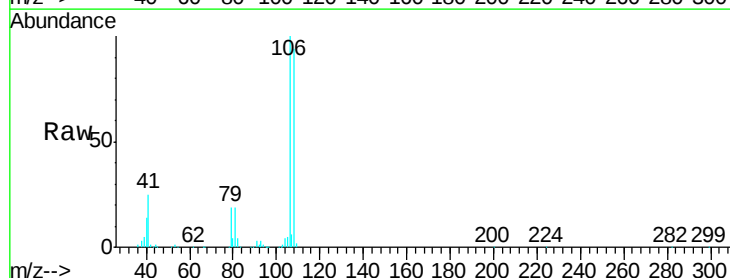
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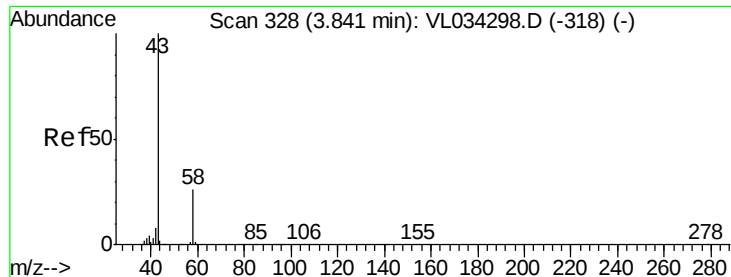
MMDadoda
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#14
Bromoethene
Concen: 10.503 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.1	84.8	127.2
79	21.3	17.0	25.4





#15

Acetone

Concen: 7.862 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 43 Resp: 1006244

Ion Ratio Lower Upper

43 100

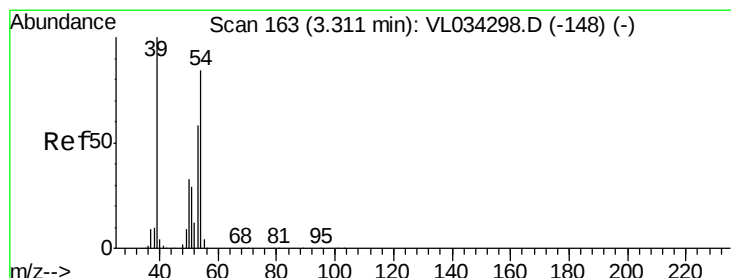
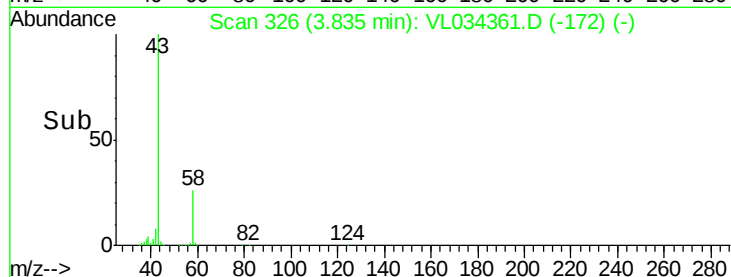
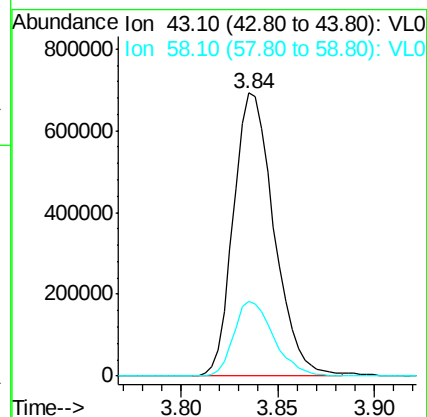
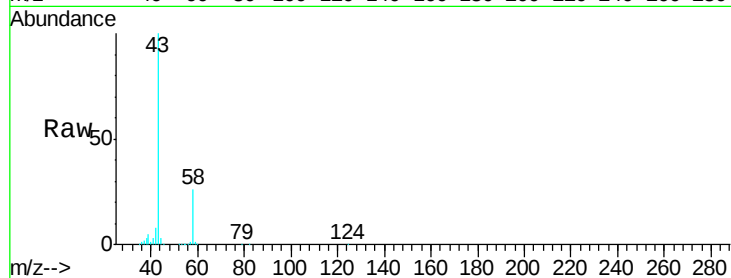
58 26.3 20.4 30.6

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#16

1,3-Butadiene

Concen: 9.723 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.01 min

Lab File: VL034361.D

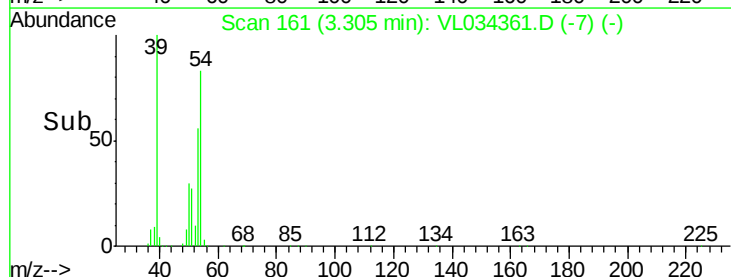
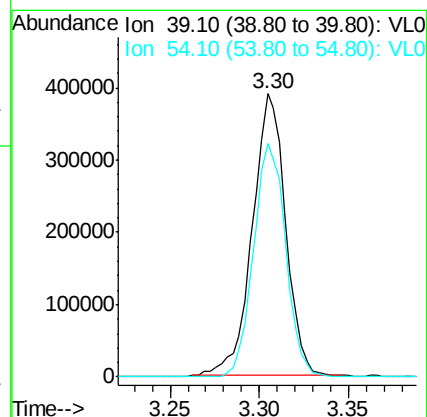
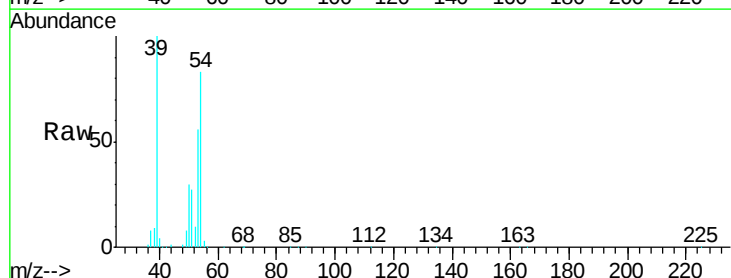
Acq: 25 Oct 2019 12:29

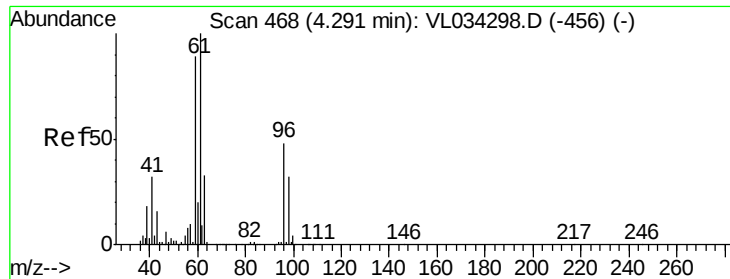
Tgt Ion: 39 Resp: 505674

Ion Ratio Lower Upper

39 100

54 81.0 63.9 95.9





#17

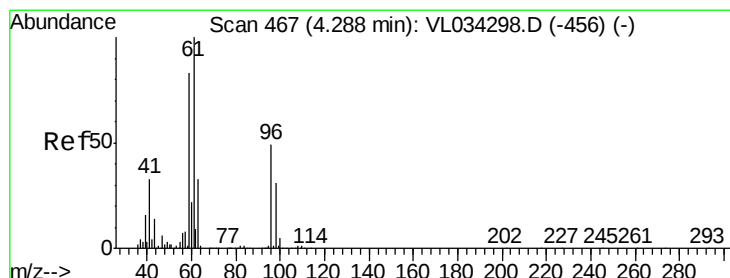
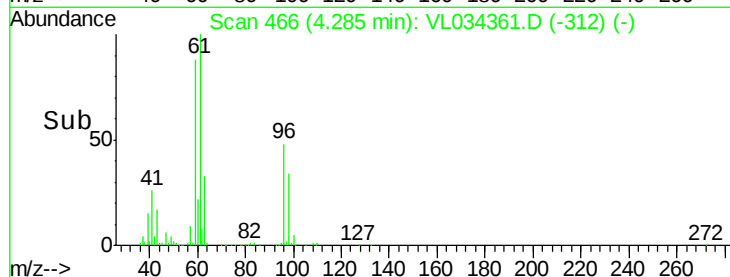
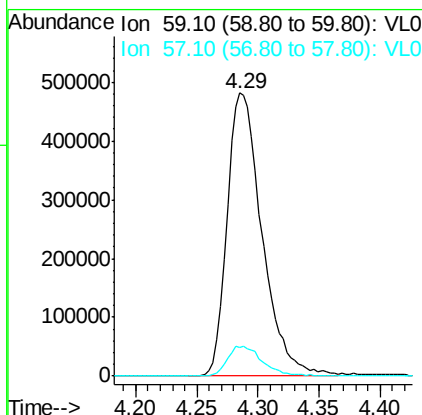
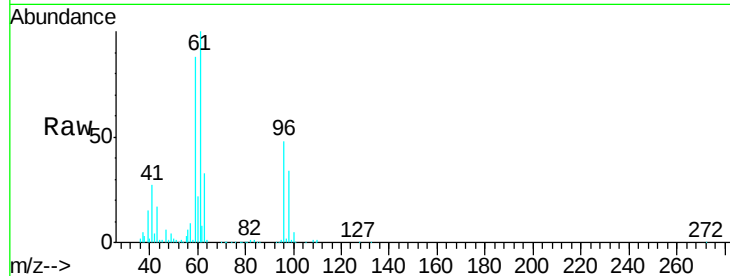
tert-Butyl alcohol
Concen: 11.778 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 59 Resp: 962180
Ion Ratio Lower Upper
59 100
57 10.8 8.8 13.2

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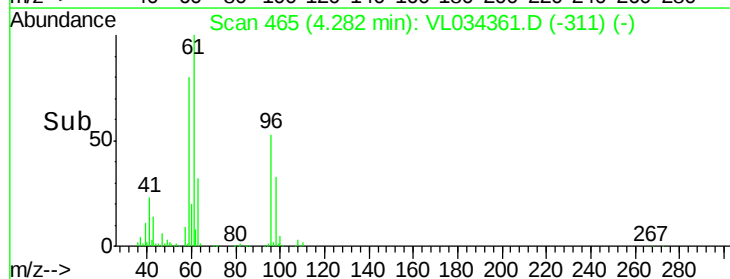
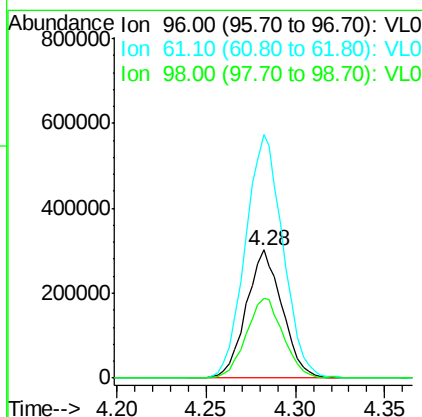
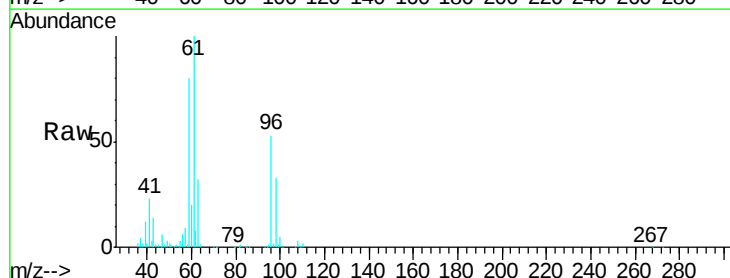
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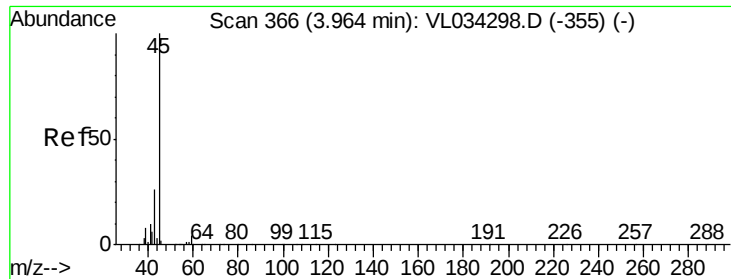


#18

1,1-Dichloroethene
Concen: 10.149 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 96 Resp: 426400
Ion Ratio Lower Upper
96 100
61 190.4 164.5 246.7
98 62.6 51.7 77.5





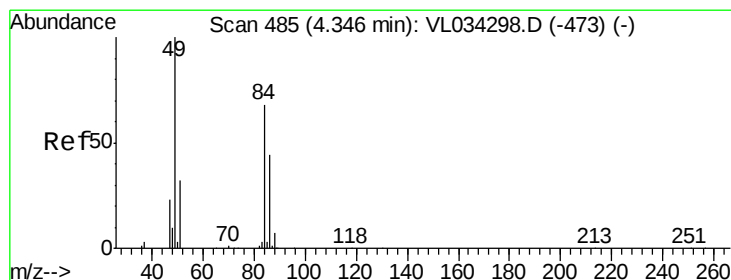
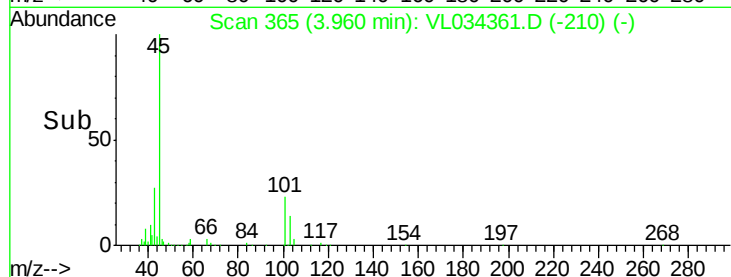
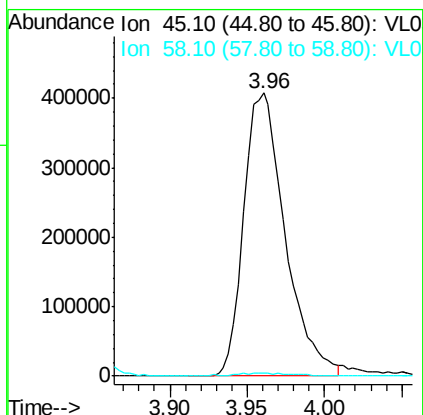
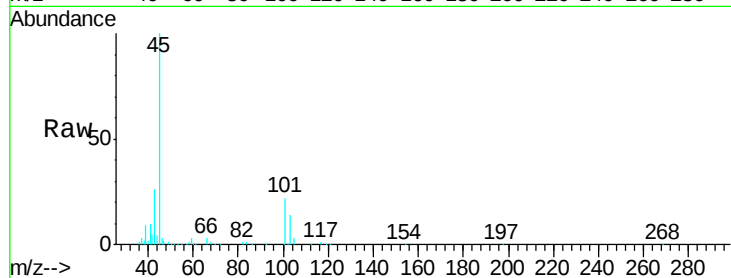
#19
Isopropyl Alcohol
Concen: 10.637 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 45 Resp: 759522
Ion Ratio Lower Upper
45 100
58 1.7 1.4 2.2

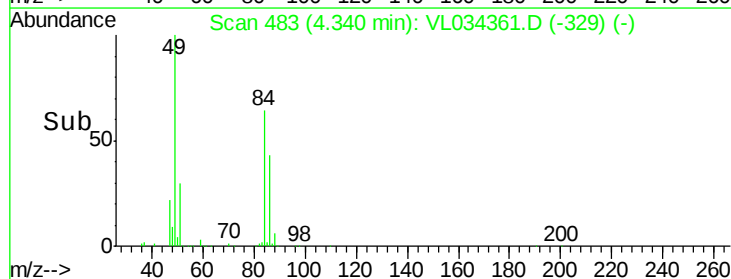
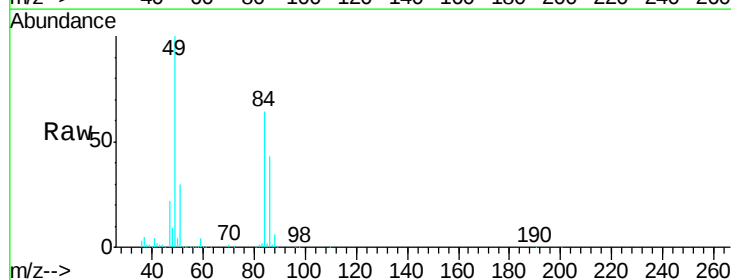
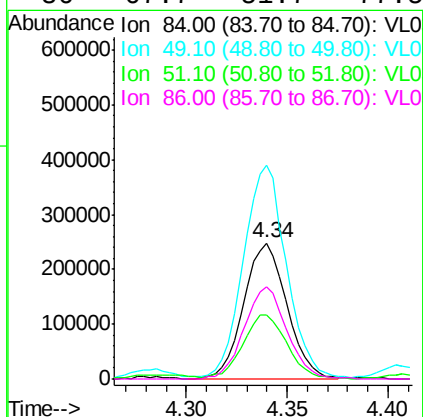
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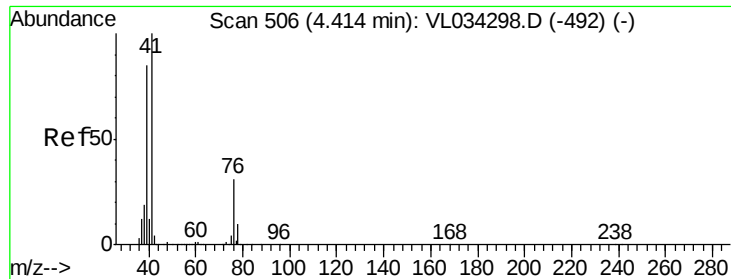
MMDadoda
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#20
Methylene Chloride
Concen: 8.009 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 84 Resp: 370593
Ion Ratio Lower Upper
84 100
49 155.7 118.5 177.7
51 46.7 38.8 58.2
86 67.7 51.7 77.5





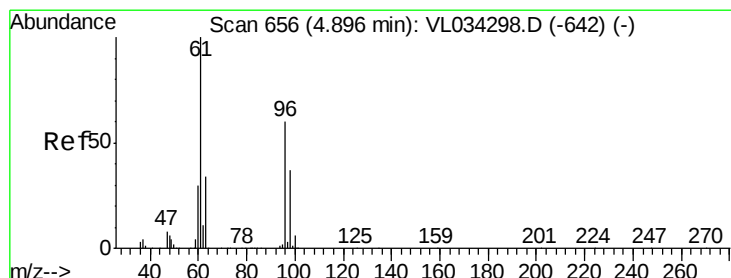
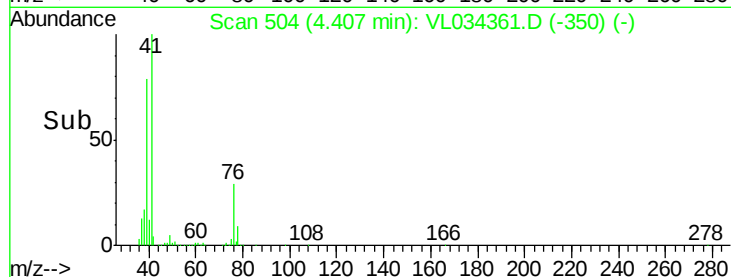
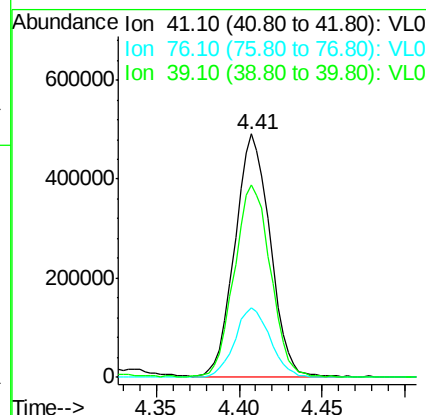
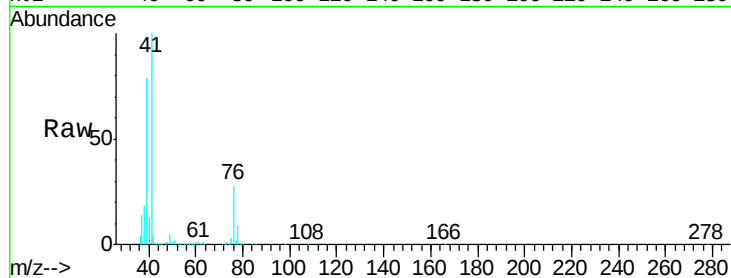
#21
 Allyl Chloride
 Concen: 10.190 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.8	34.2
39	81.5	66.0	99.0

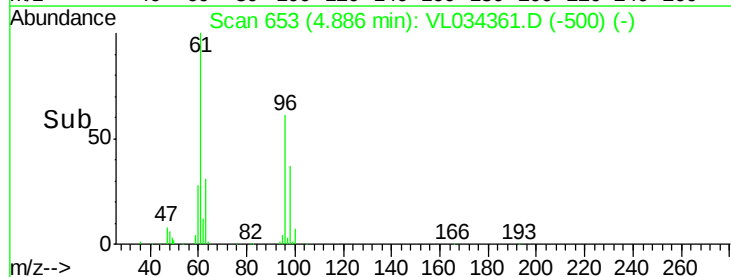
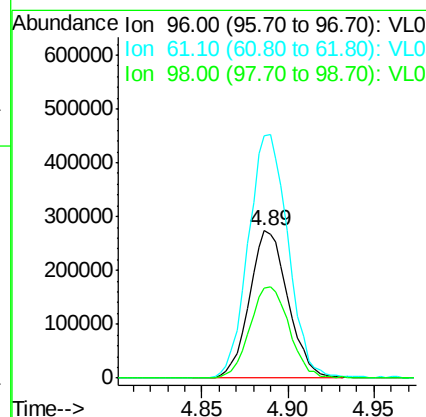
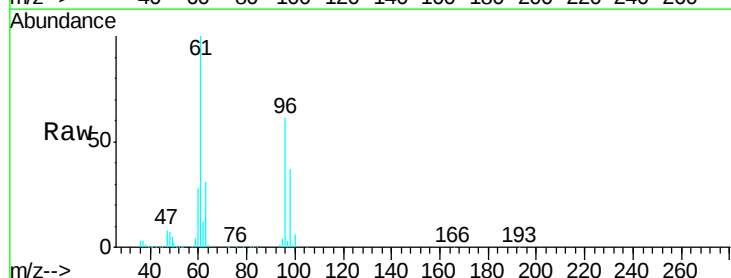
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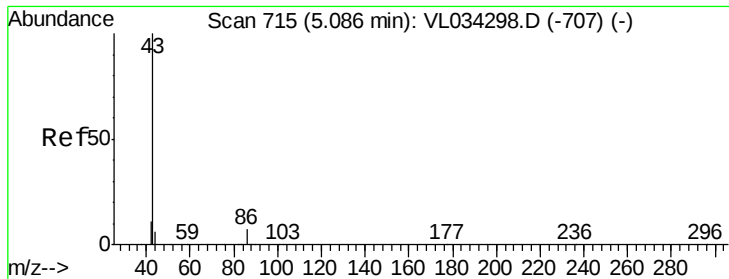
MMDadoda
 10/31/2019 2:13:25 AM



#22
 trans-1,2-Dichloroethene
 Concen: 10.140 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.5	133.8	200.6
98	60.8	49.4	74.0





#23

Vinyl Acetate

Concen: 9.716 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

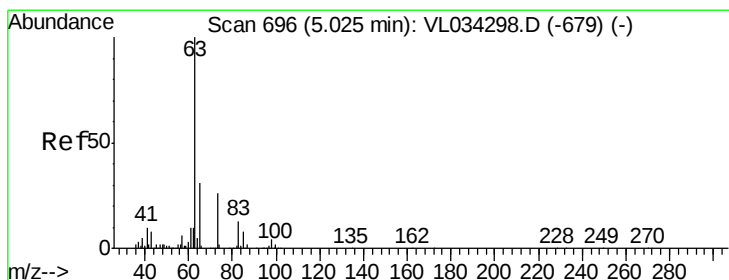
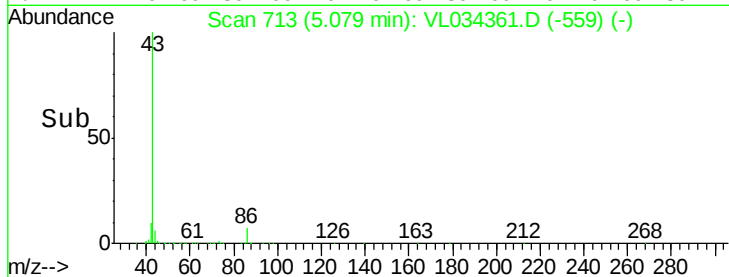
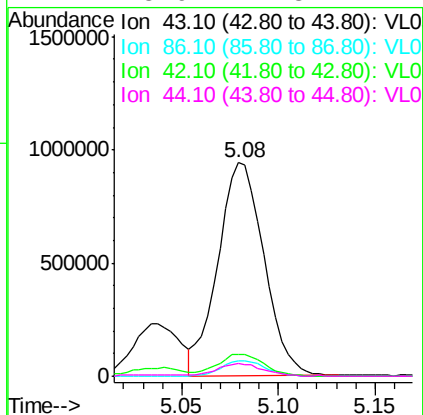
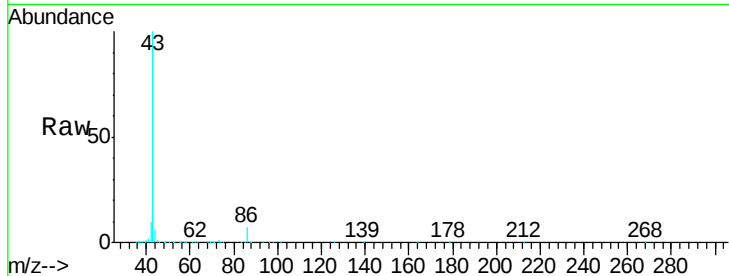
ClientSampleId :

VL1025ABS01

Tgt Ion:	43	Resp:	1553041
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.0	7.4
42	10.0	8.6	13.0
44	5.9	4.8	7.2

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#24

1,1-Dichloroethane

Concen: 9.501 ppbv

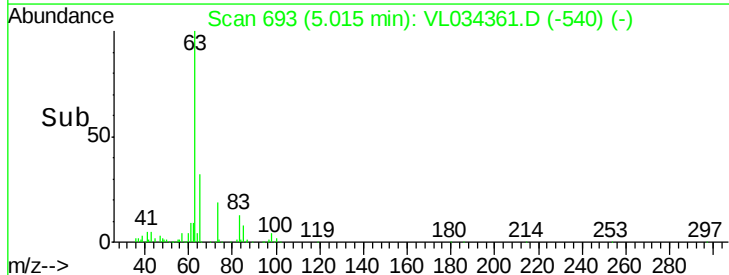
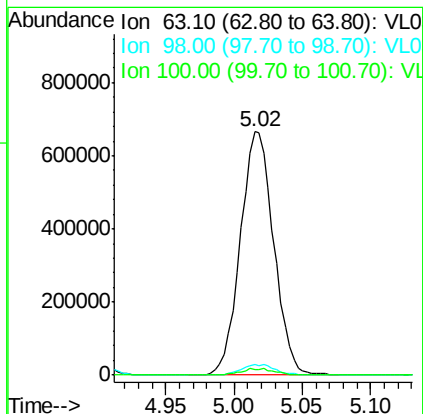
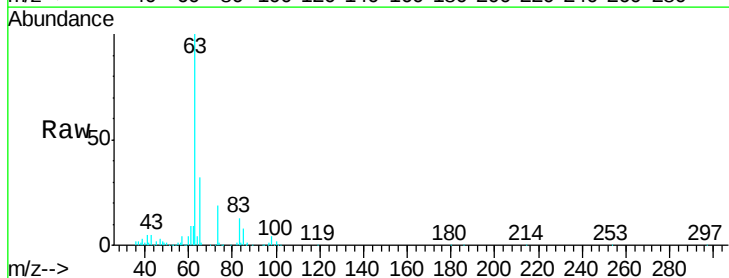
RT: 5.02 min Scan# 693

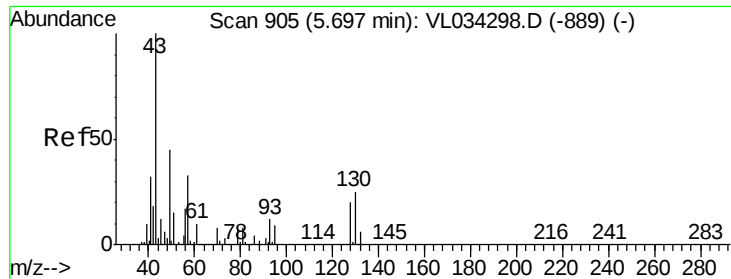
Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Tgt Ion:	63	Resp:	1127153
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.0	6.0
100	2.4	1.1	3.5





#25

Ethyl Acetate

Concen: 9.356 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampled :

VL1025ABS01

Tgt Ion: 43 Resp: 2021827

Ion Ratio Lower Upper

43 100

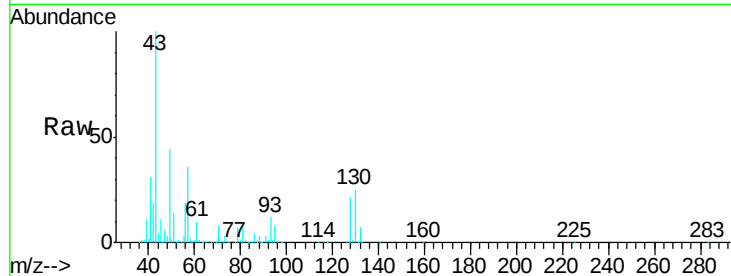
45 10.2 8.3 12.5

61 9.2 7.7 11.5

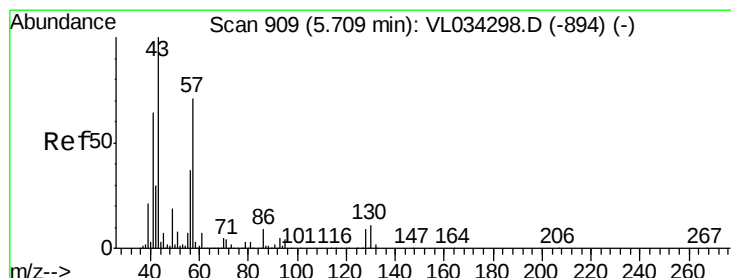
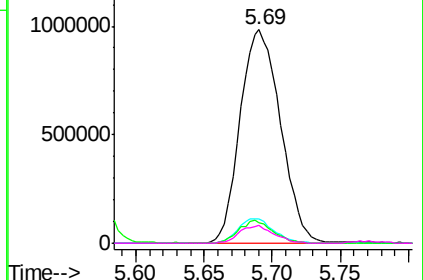
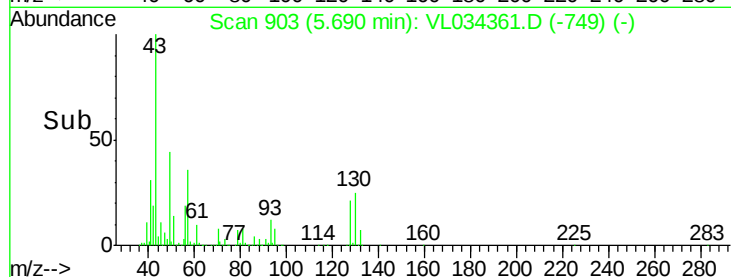
70 7.2 5.4 8.2

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.610 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Tgt Ion: 57 Resp: 885130

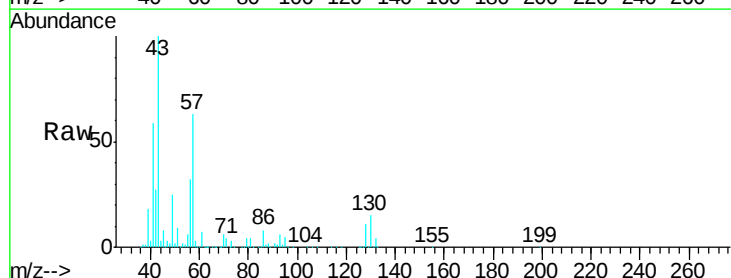
Ion Ratio Lower Upper

57 100

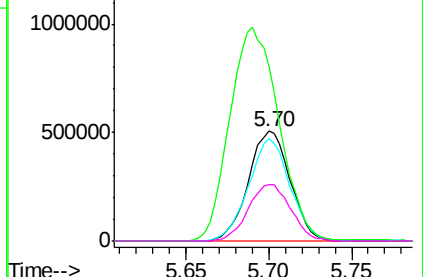
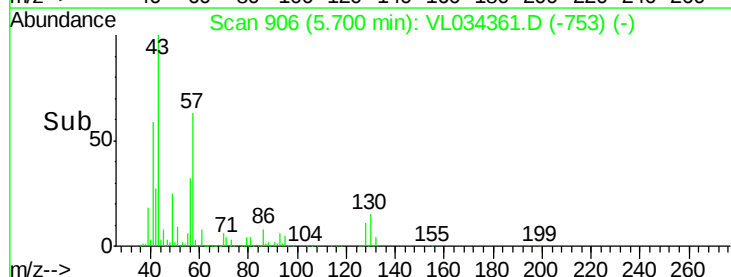
41 94.0 76.5 114.7

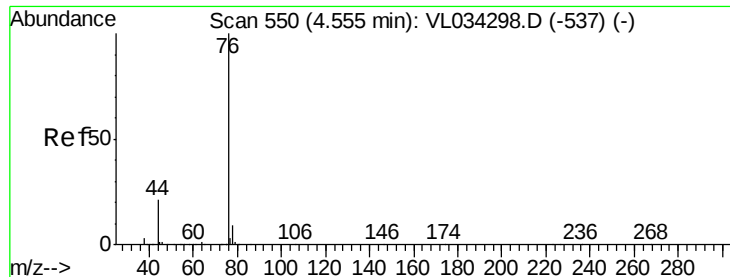
43 230.2 188.5 282.7

56 52.4 42.8 64.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.140 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 76 Resp: 1065198

Ion Ratio Lower Upper

76 100

44 20.8 17.3 25.9

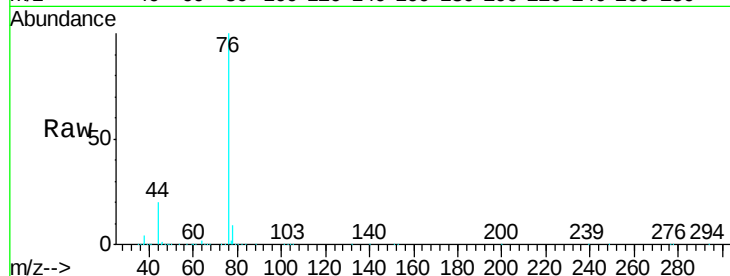
78 9.4 7.8 11.6

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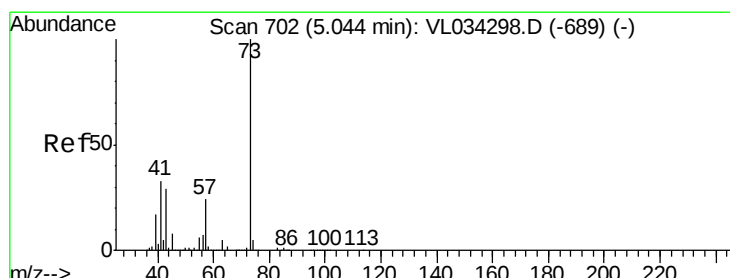
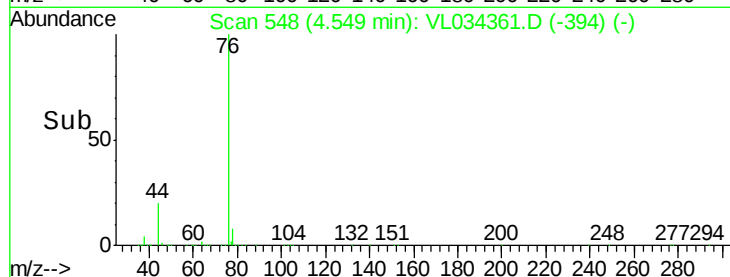
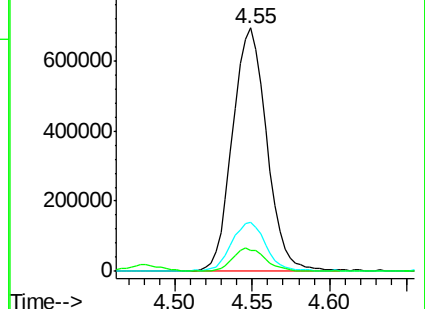
10/31/2019 2:13:25 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.952 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL034361.D

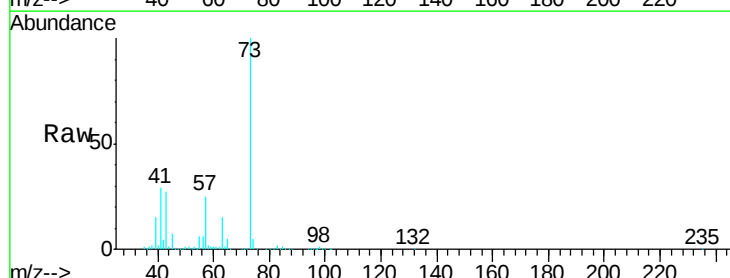
Acq: 25 Oct 2019 12:29

Tgt Ion: 73 Resp: 1526696

Ion Ratio Lower Upper

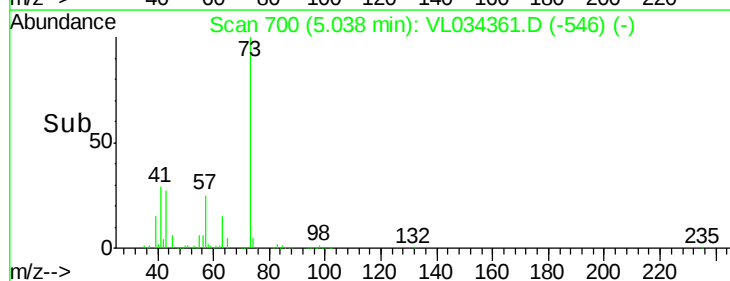
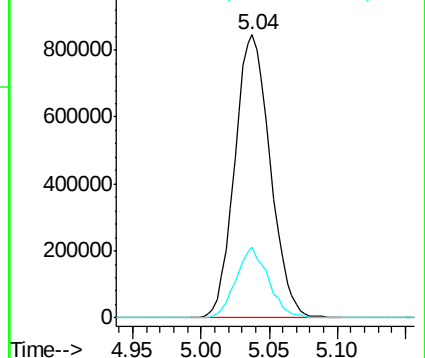
73 100

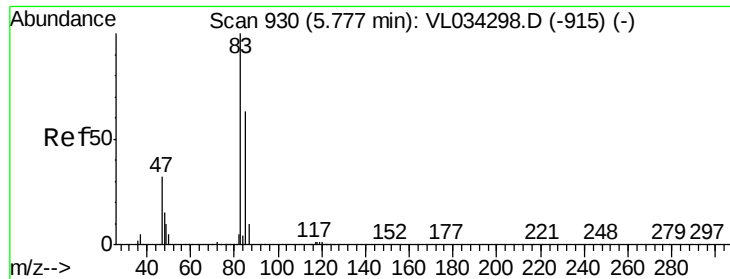
57 23.1 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





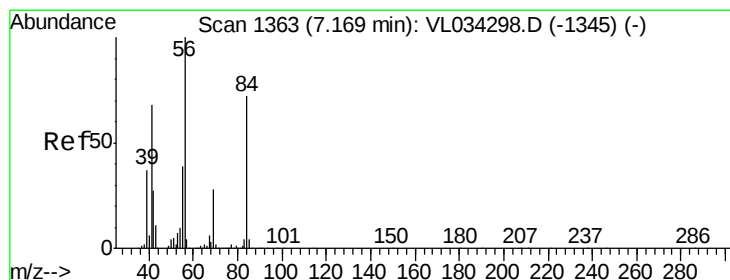
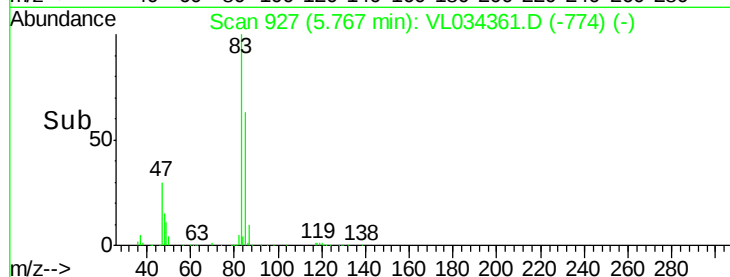
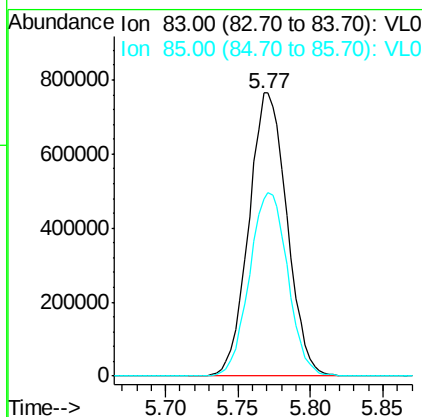
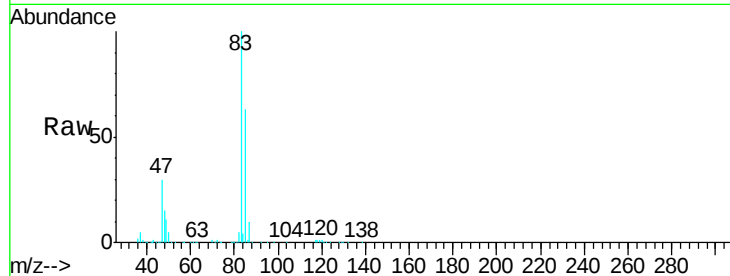
#29
Chloroform
Concen: 9.610 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 83 Resp: 1400055
Ion Ratio Lower Upper
83 100
85 62.4 50.5 75.7

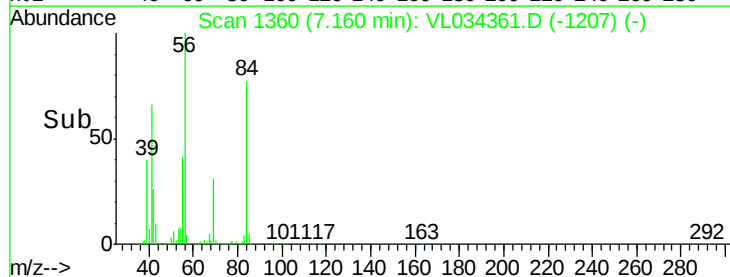
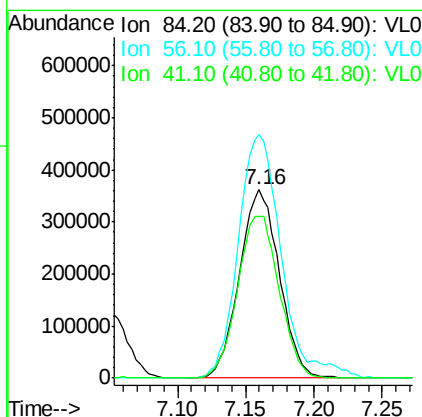
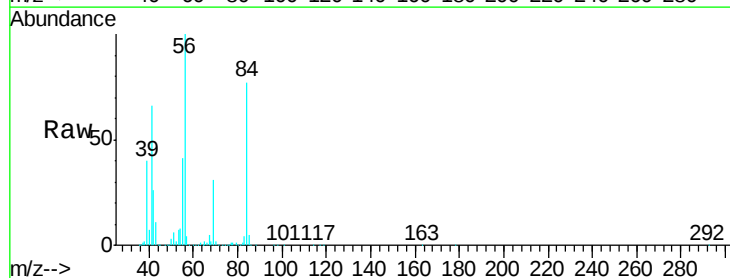
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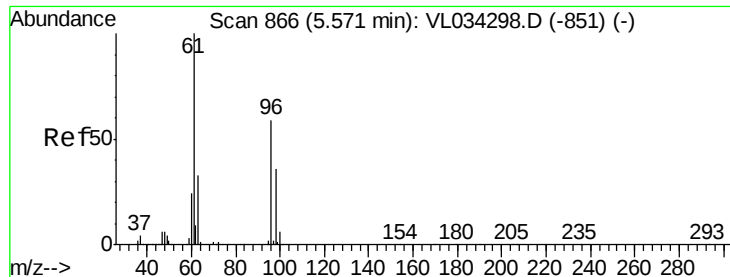
MMDadoda
10/31/2019 2:13:25 AM



#30
Cyclohexane
Concen: 10.855 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 84 Resp: 735294
Ion Ratio Lower Upper
84 100
56 140.0 119.4 179.0
41 89.7 78.7 118.1





#31

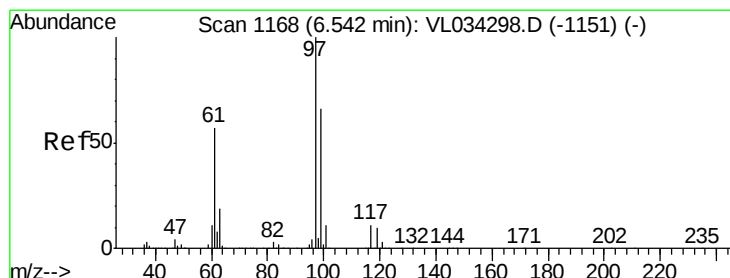
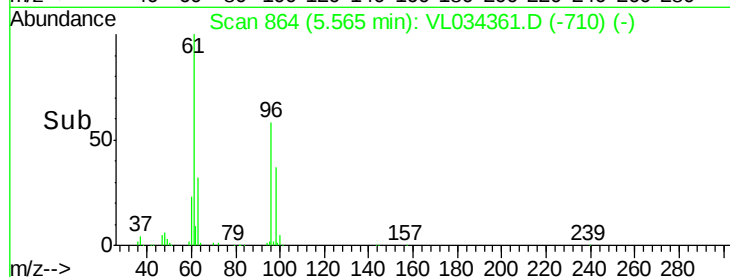
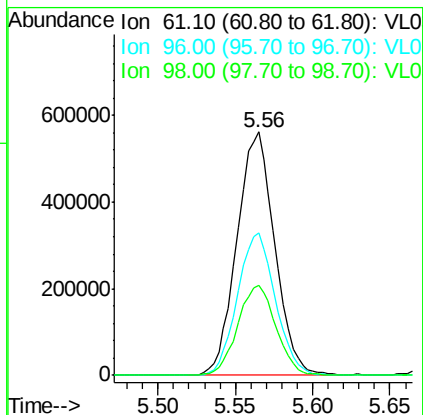
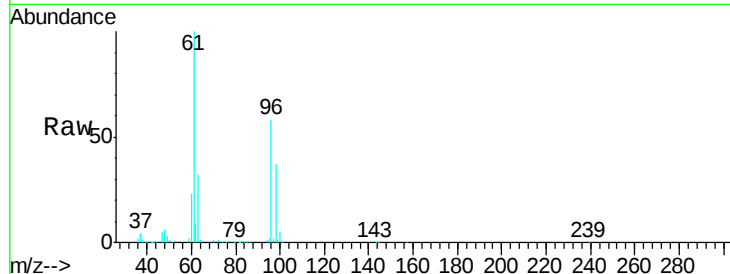
cis-1,2-Dichloroethene
Concen: 10.203 ppbv
RT: 5.56 min Scan# 864
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	58.3	47.5	71.3
98	37.0	28.8	43.2

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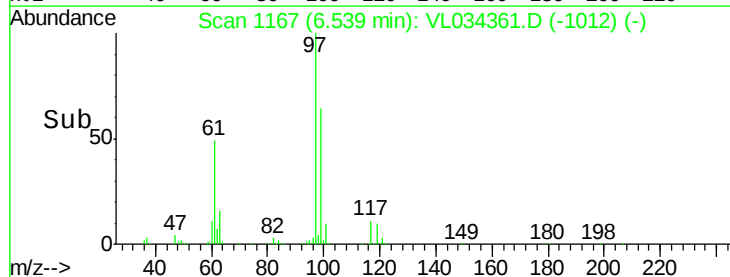
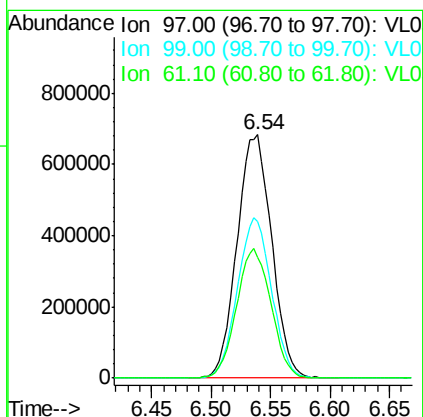
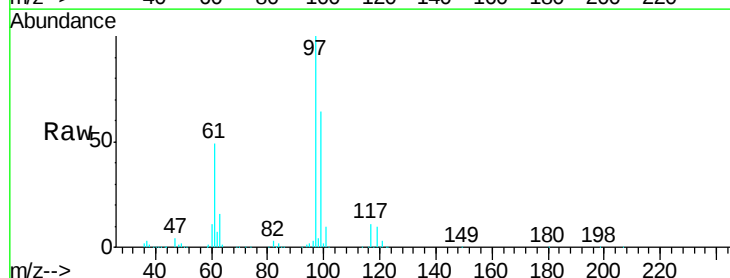
MMDadoda
10/31/2019 2:13:25 AM

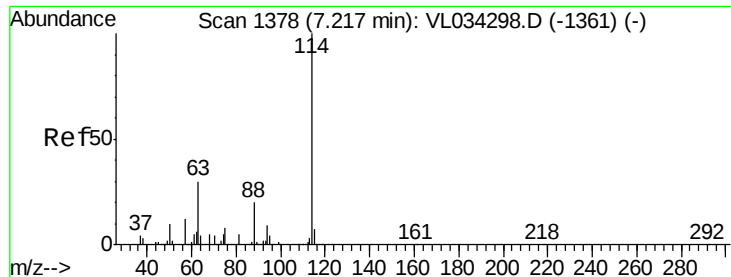


#32

1,1,1-Trichloroethane
Concen: 9.747 ppbv
RT: 6.54 min Scan# 1167
Delta R.T. -0.00 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	52.9	44.5	66.7





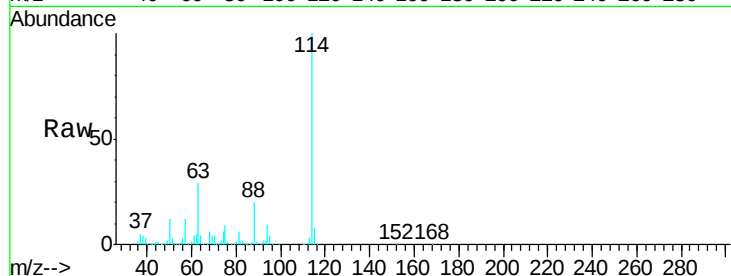
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

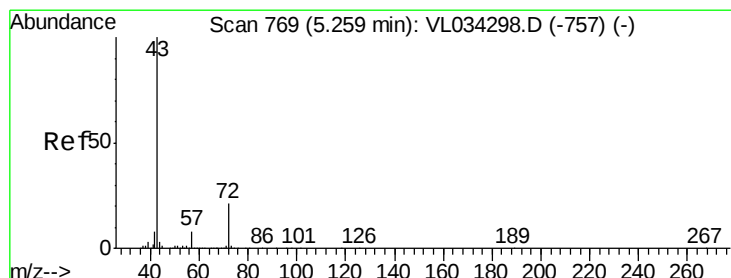
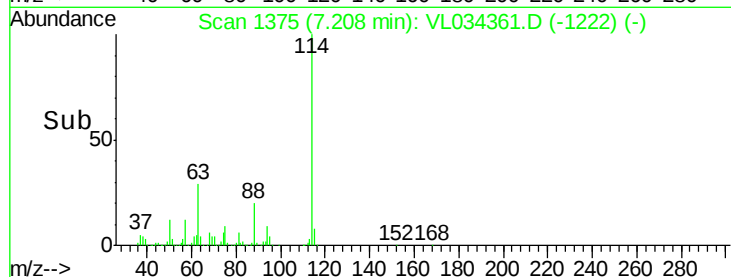
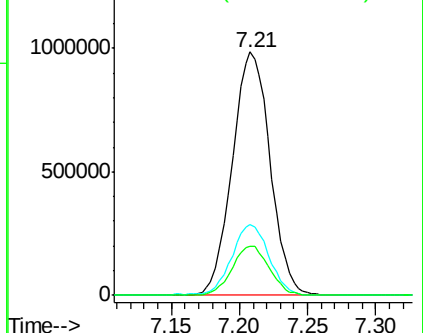
Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.2	25.2	37.8
88	20.0	16.0	24.0

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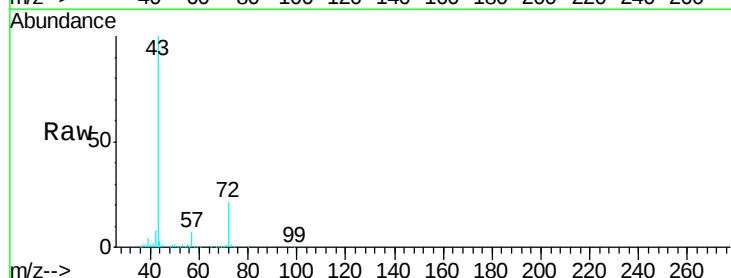


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

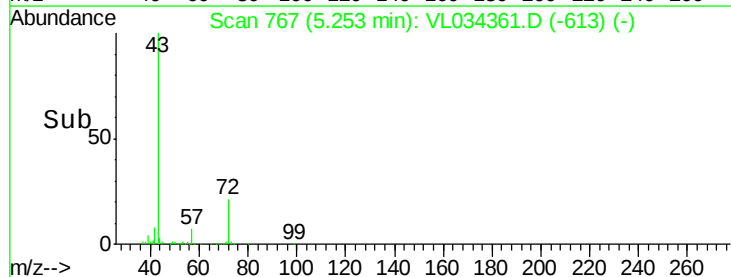
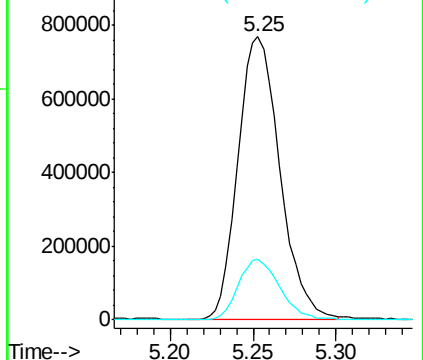


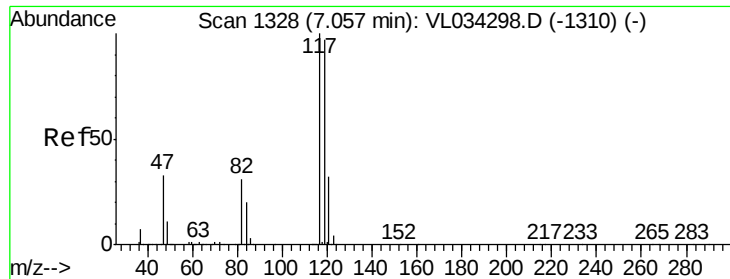
#34
 2-Butanone
 Concen: 8.728 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.1	16.3	24.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.485 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 117 Resp: 1398579

Ion Ratio Lower Upper

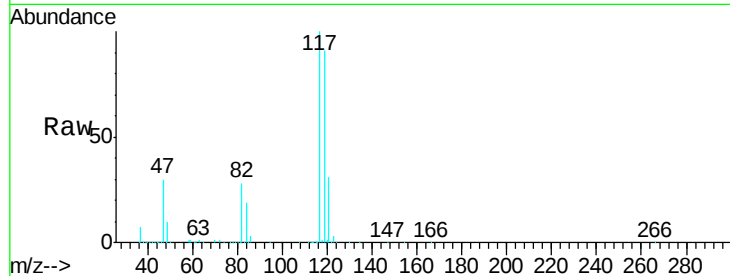
117 100

119 90.7 77.3 115.9

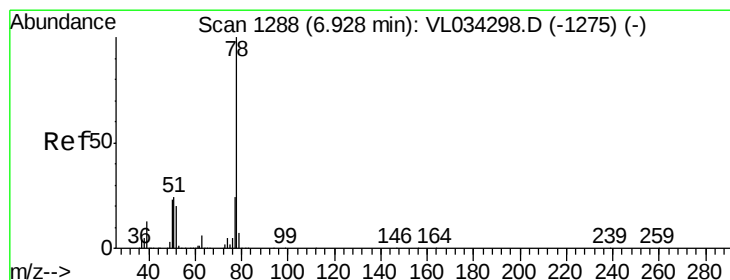
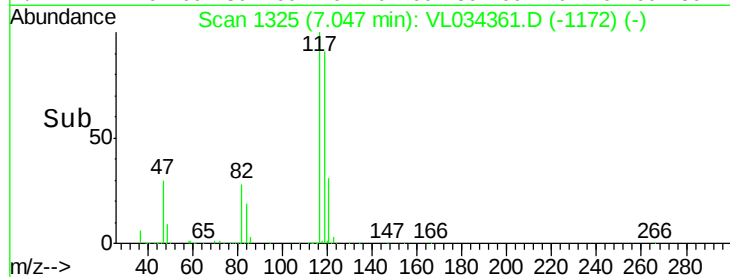
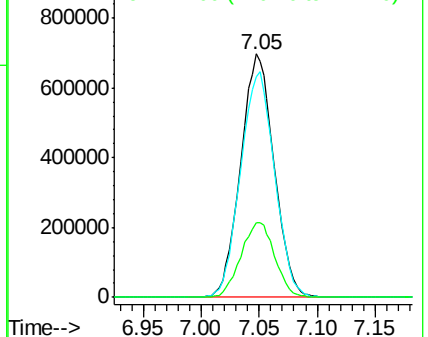
121 30.9 25.5 38.3

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.535 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

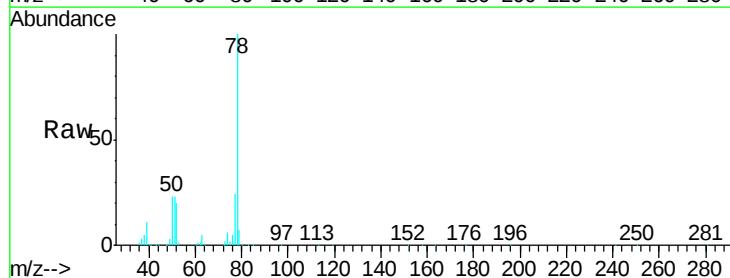
Tgt Ion: 78 Resp: 1731209

Ion Ratio Lower Upper

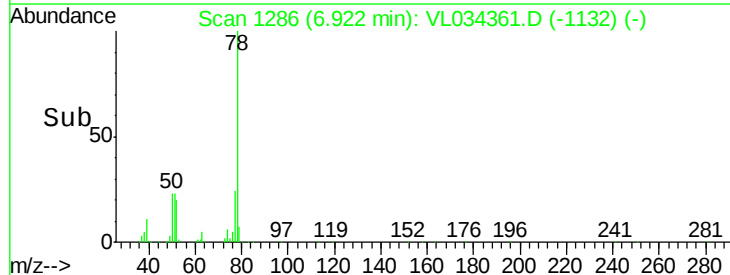
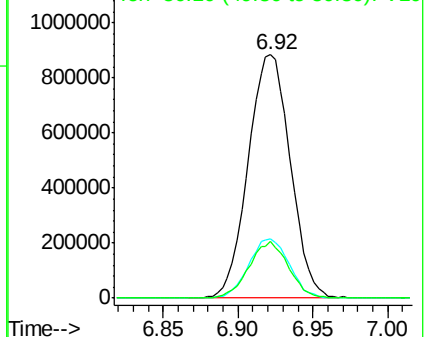
78 100

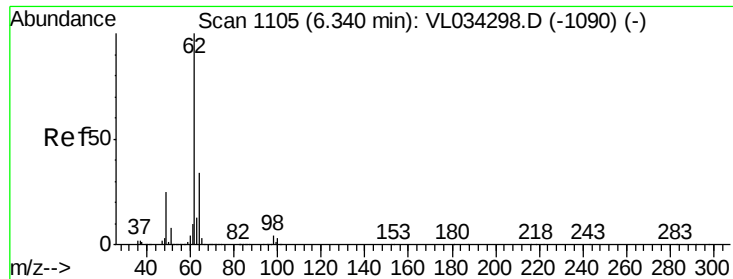
77 24.4 19.0 28.4

50 23.3 18.6 27.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





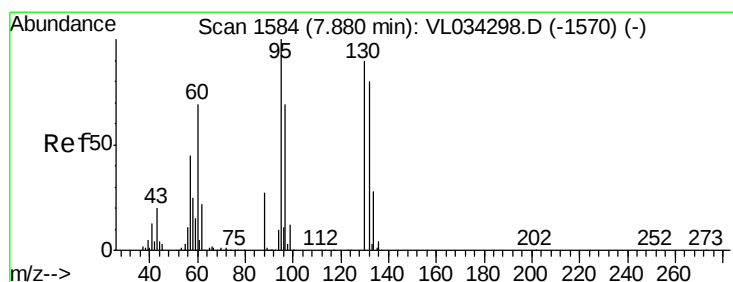
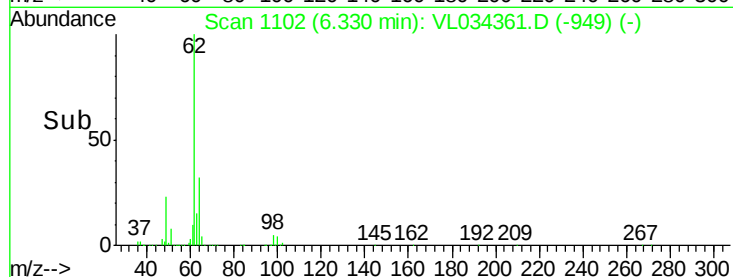
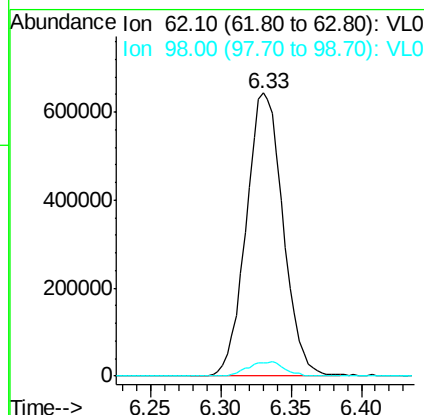
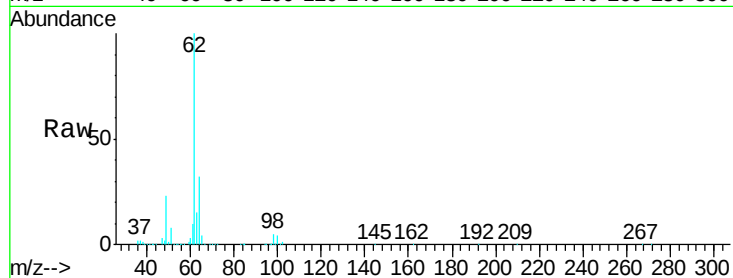
#37
 1,2-Dichloroethane
 Concen: 8.709 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion: 62 Resp: 1178370
 Ion Ratio Lower Upper
 62 100
 98 5.1 3.8 5.6

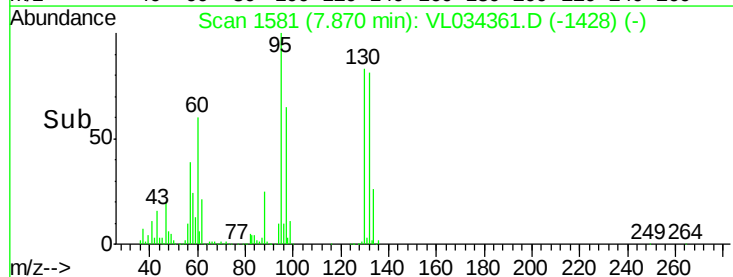
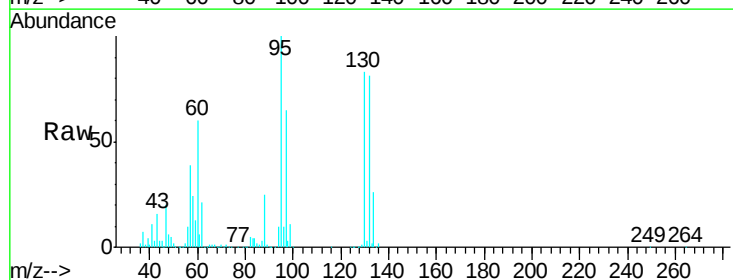
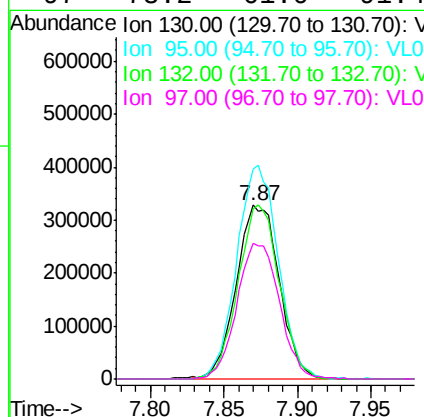
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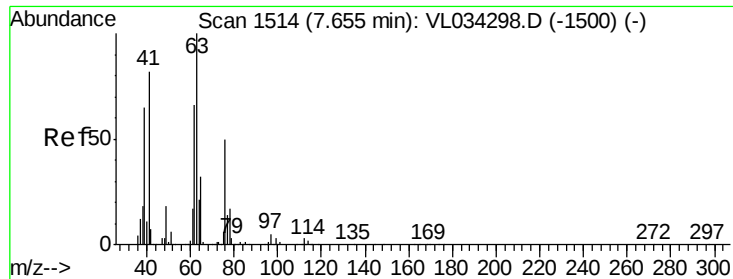
MMDadoda
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#38
 Trichloroethene
 Concen: 9.136 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion: 130 Resp: 665597
 Ion Ratio Lower Upper
 130 100
 95 120.8 88.6 132.8
 132 97.7 71.2 106.8
 97 78.2 61.0 91.4





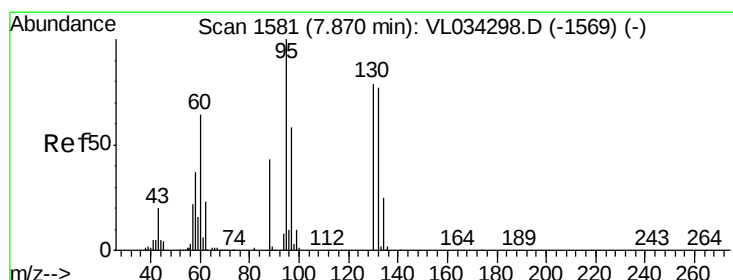
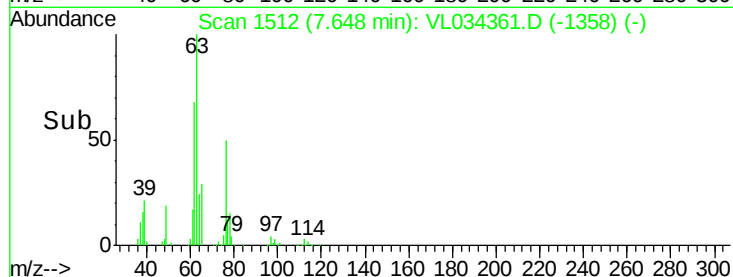
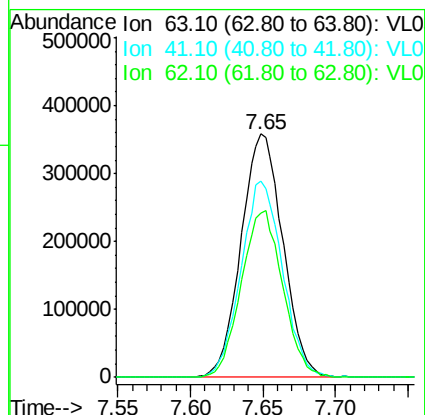
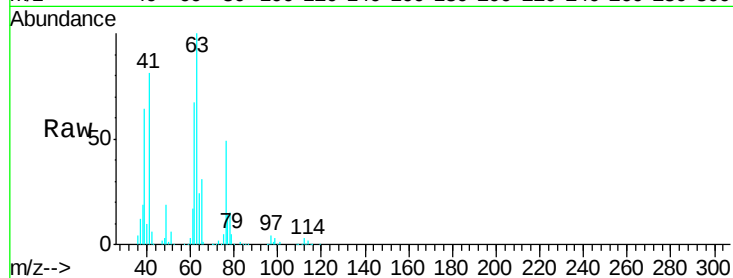
#39
 1,2-Dichloropropane
 Concen: 9.188 ppbv
 RT: 7.65 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	80.5	65.6	98.4
62	67.3	53.0	79.6

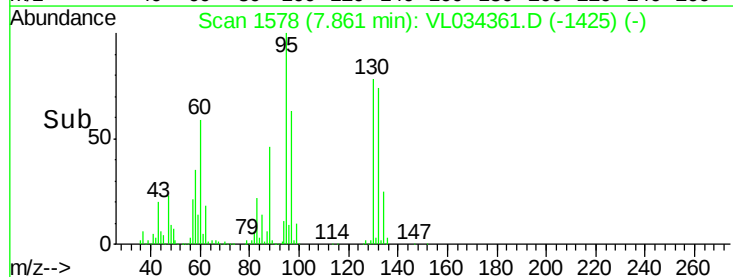
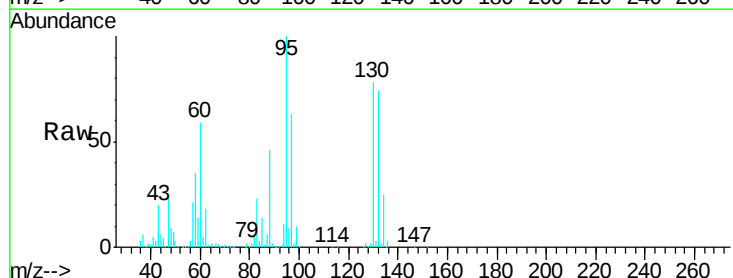
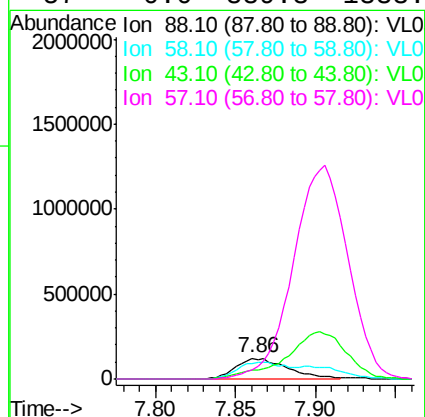
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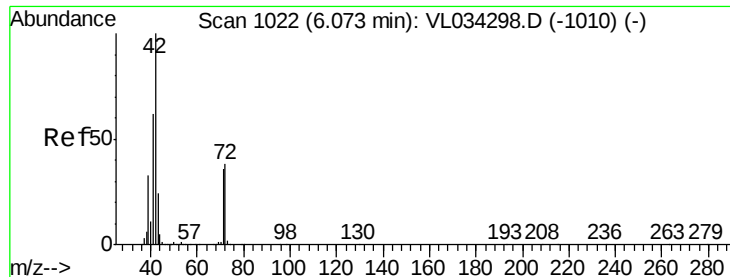
MMDadoda
 10/31/2019 2:13:25 AM



#40
 1,4-Dioxane
 Concen: 9.864 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.5	110.3	165.5
43	0.0	228.1	342.1#
57	0.0	889.3	1333.9#





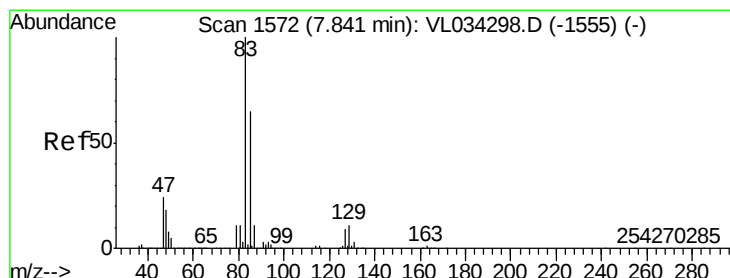
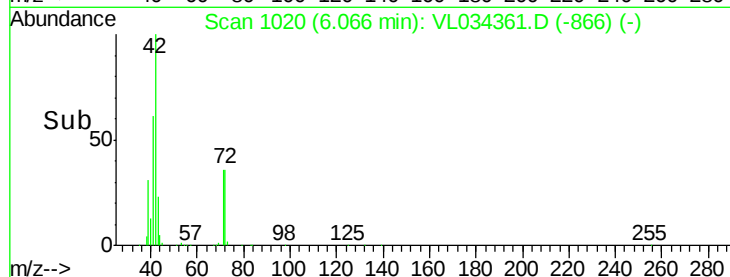
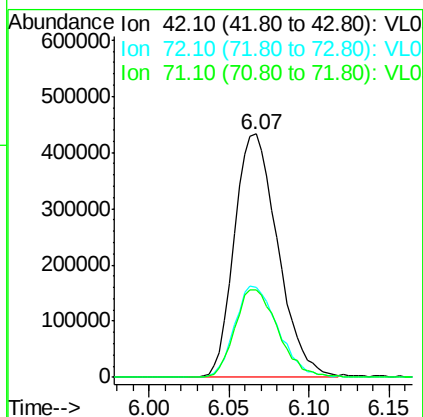
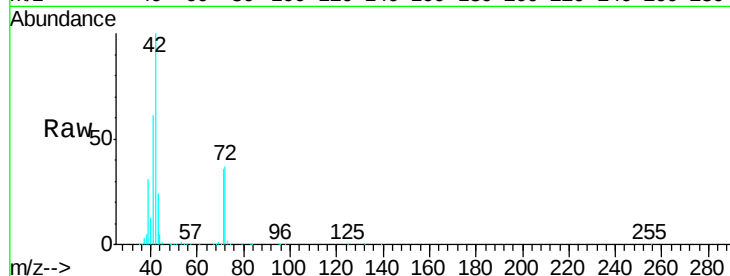
#41
Tetrahydrofuran
Concen: 9.342 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.6	28.0	42.0
71	36.0	27.3	40.9

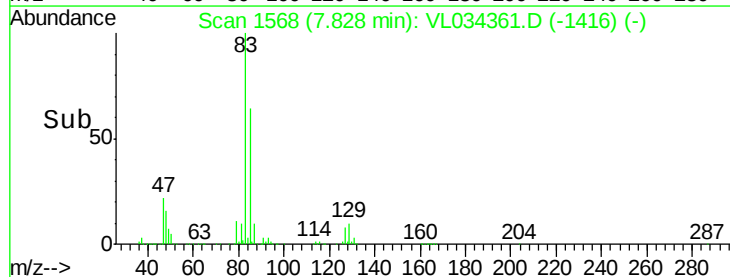
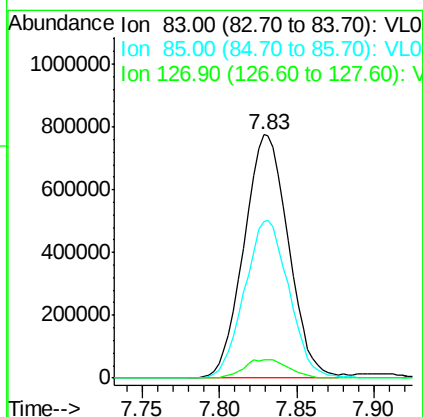
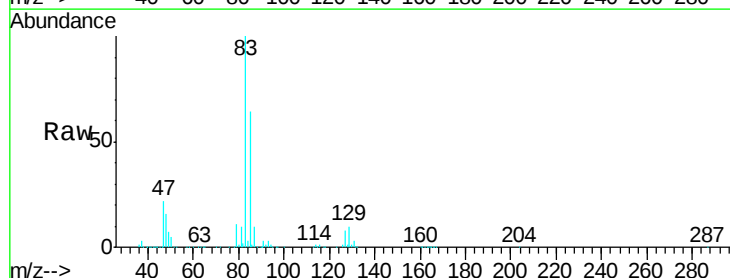
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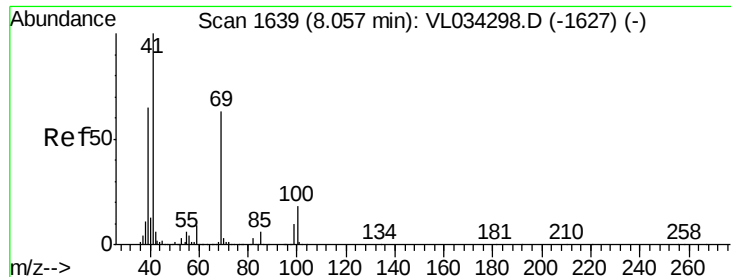
MMDadoda
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#42
Bromodichloromethane
Concen: 9.342 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	7.6	7.0	10.6





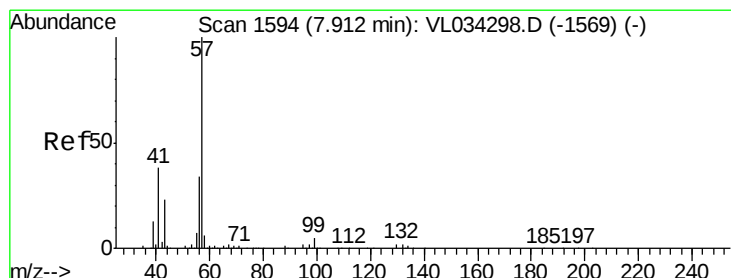
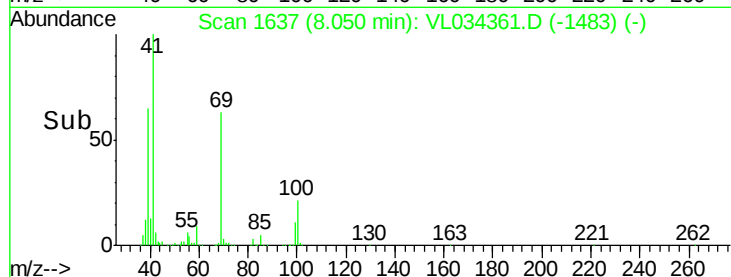
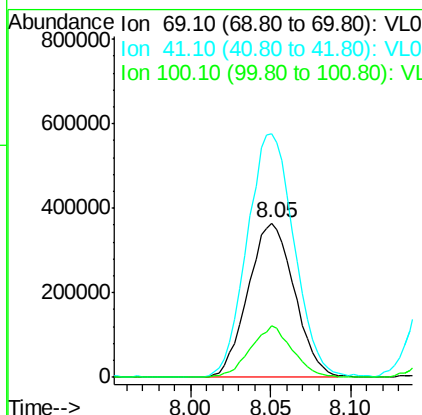
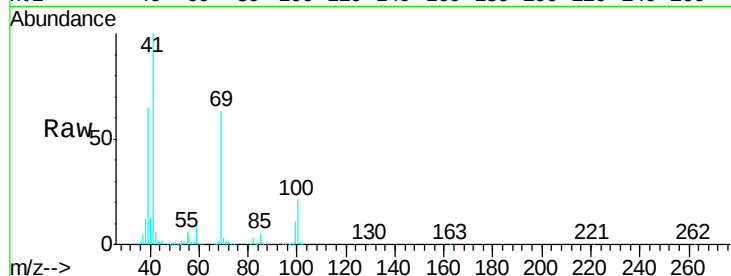
#43
Methyl Methacrylate
Concen: 9.668 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	160.2	132.1	198.1
100	30.5	23.2	34.8

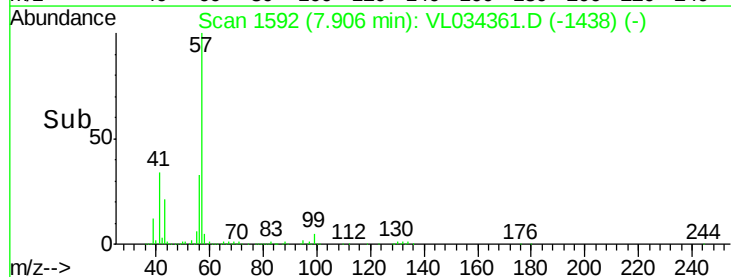
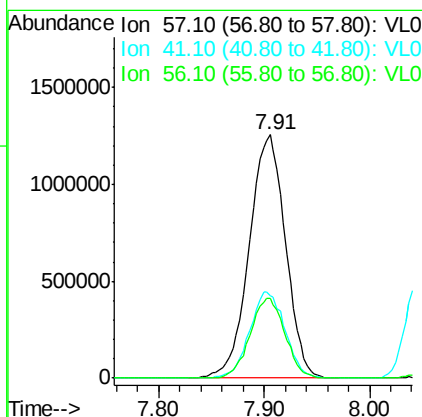
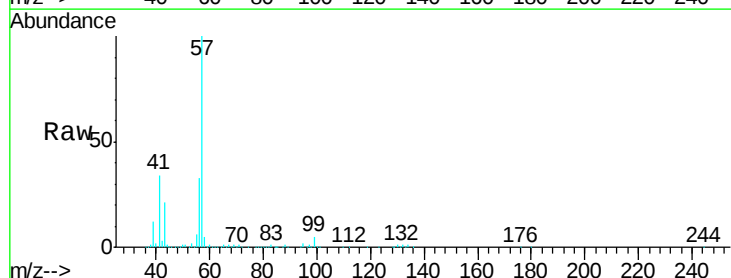
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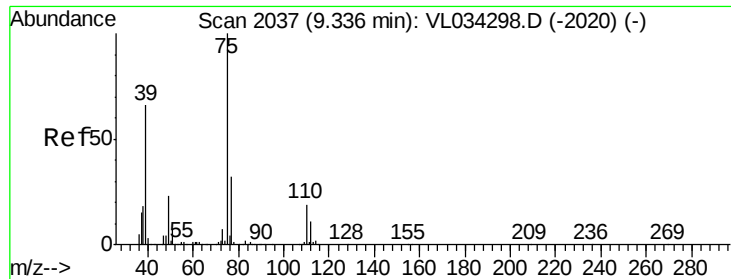
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#44
2,2,4-Trimethylpentane
Concen: 8.962 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.6	29.3	43.9
56	31.6	25.3	37.9





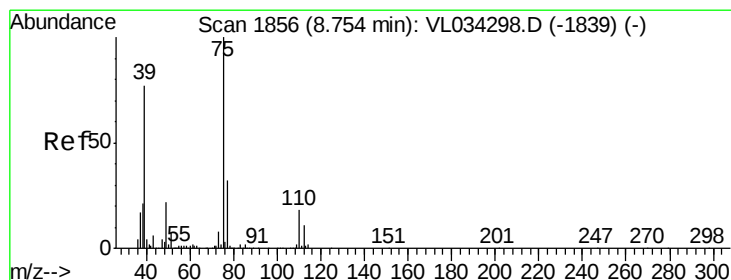
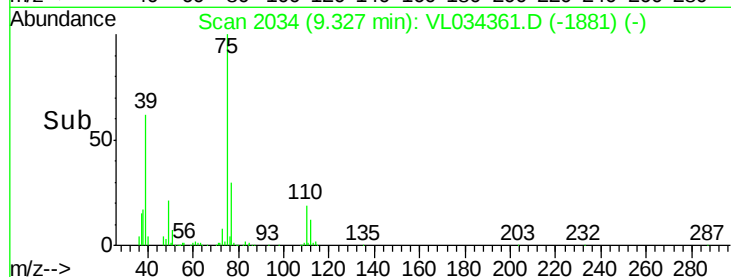
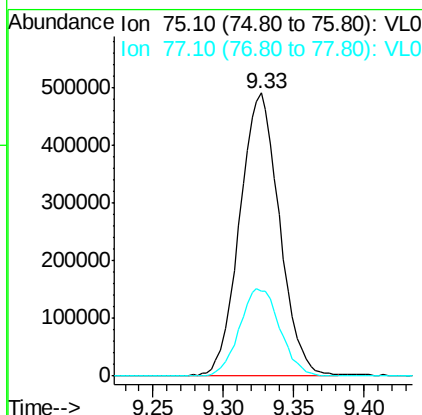
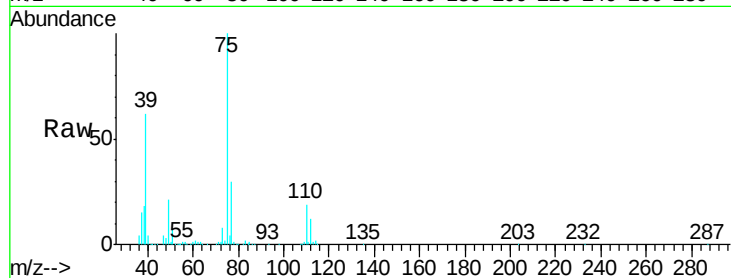
#45
t-1,3-Dichloropropene
Concen: 10.619 ppbv
RT: 9.33 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 75 Resp: 971505
Ion Ratio Lower Upper
75 100
77 30.1 25.6 38.4

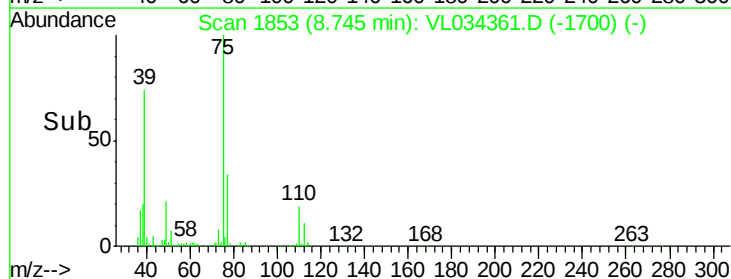
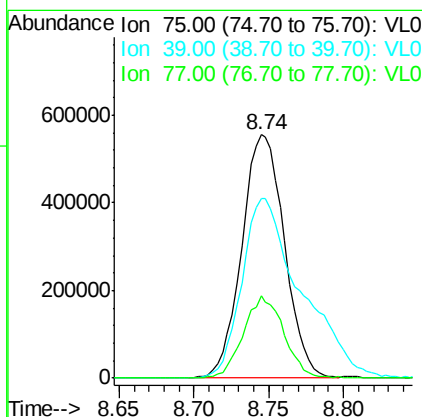
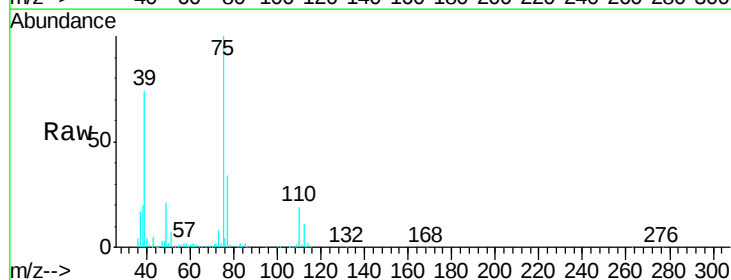
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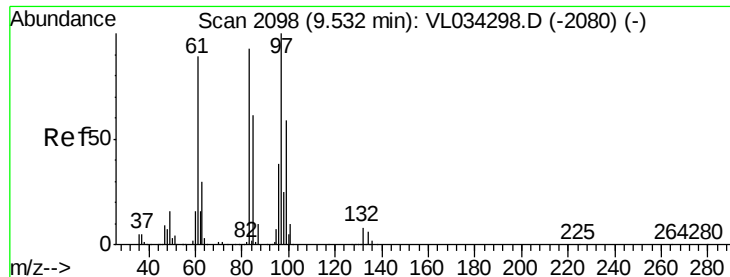
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#46
cis-1,3-Dichloropropene
Concen: 10.476 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 75 Resp: 1101120
Ion Ratio Lower Upper
75 100
39 73.7 61.2 91.8
77 33.9 25.9 38.9





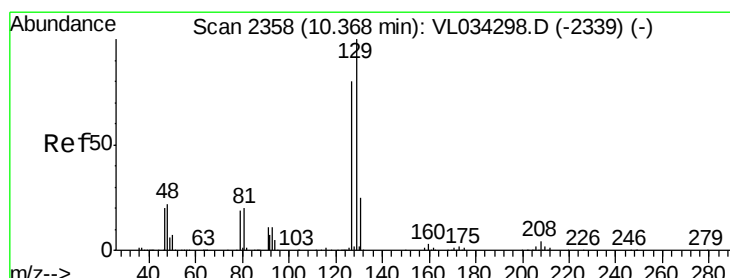
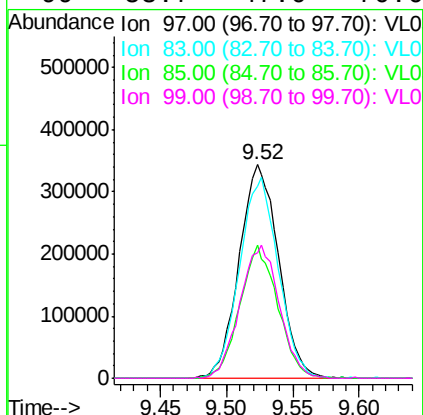
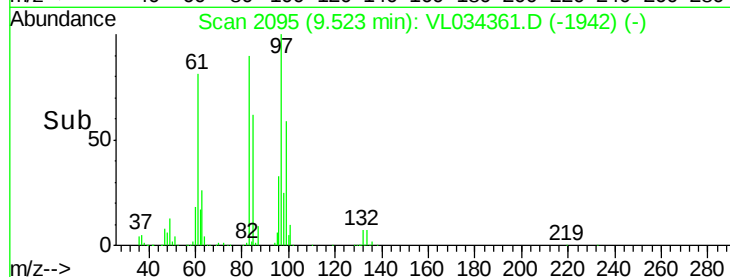
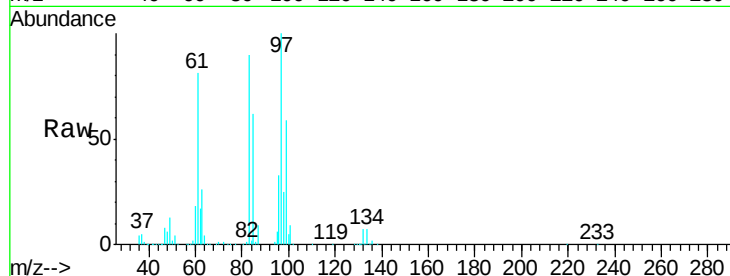
#47
 1,1,2-Trichloroethane
 Concen: 8.957 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	74.2	111.2
85	62.1	48.6	73.0
99	58.7	47.0	70.6

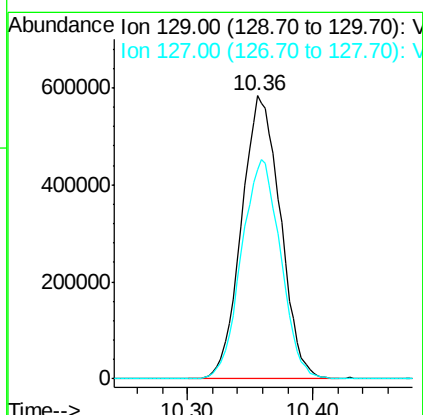
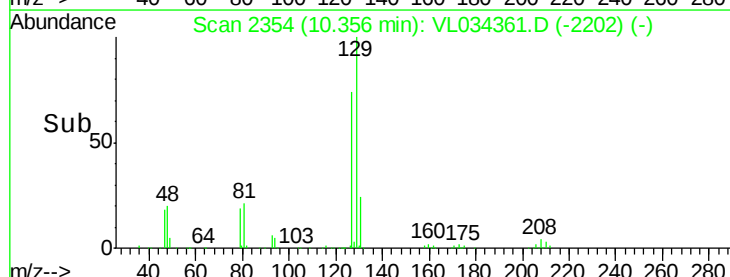
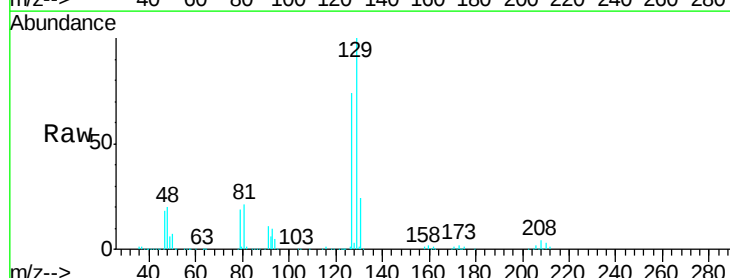
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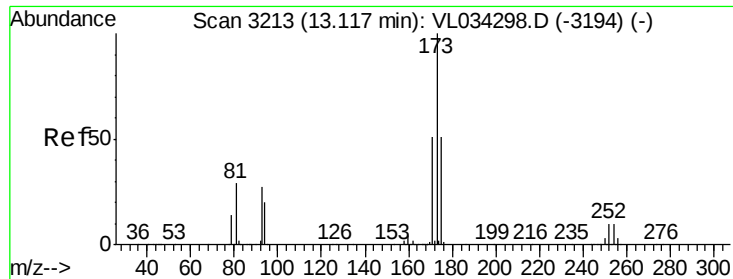
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#48
 Dibromochloromethane
 Concen: 9.658 ppbv
 RT: 10.36 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.7	119.1





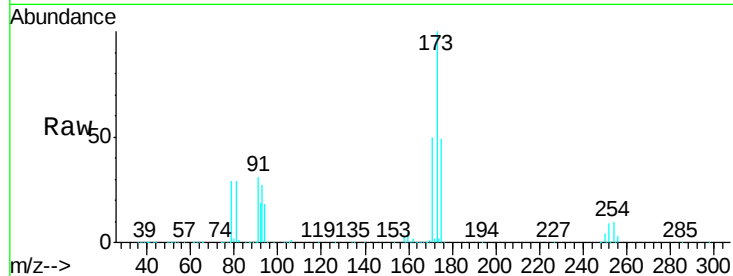
#49
Bromoform
Concen: 9.722 ppbv
RT: 13.11 min Scan# 3210
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

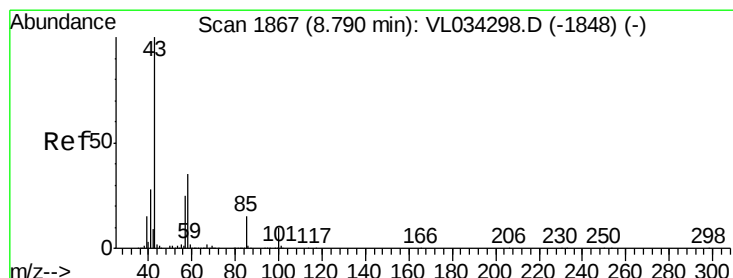
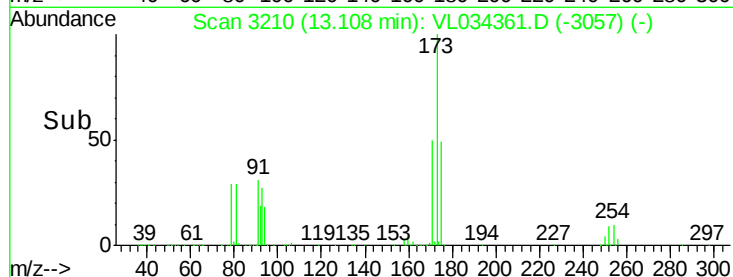
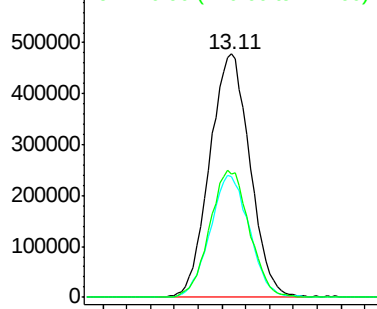
Tgt Ion:173 Resp: 1119096
Ion Ratio Lower Upper
173 100
175 49.0 39.8 59.6
171 51.5 41.8 62.6

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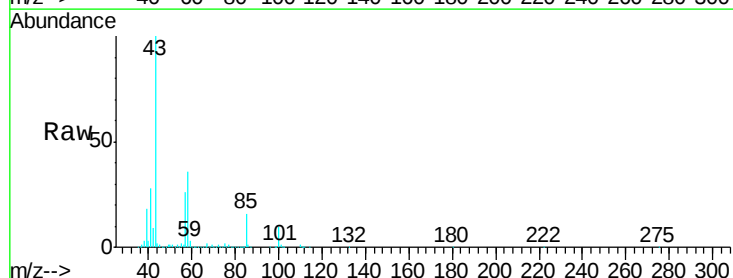


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

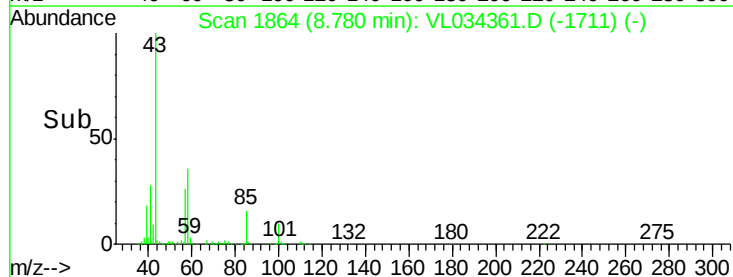
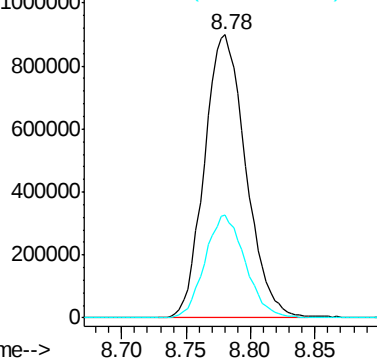


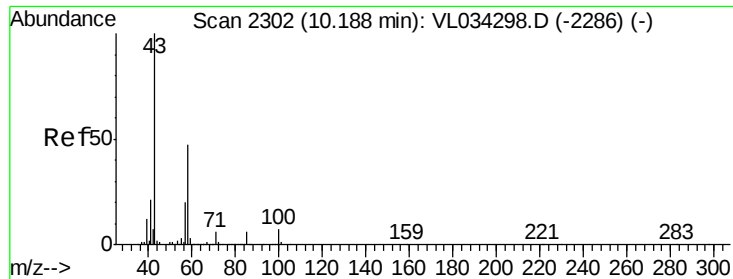
#50
4-Methyl-2-Pentanone
Concen: 9.054 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 43 Resp: 2004755
Ion Ratio Lower Upper
43 100
58 35.5 27.6 41.4



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





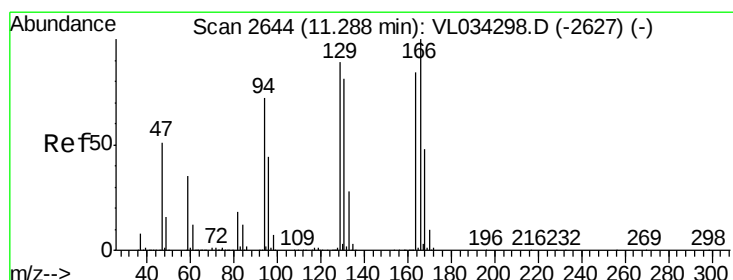
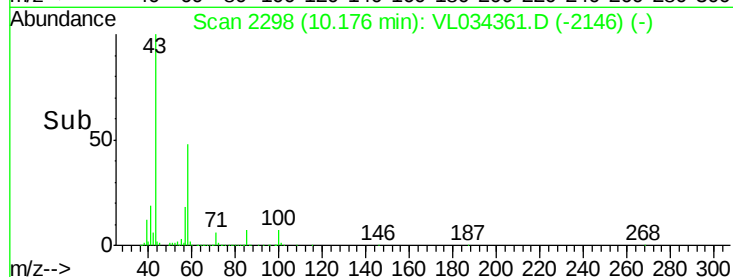
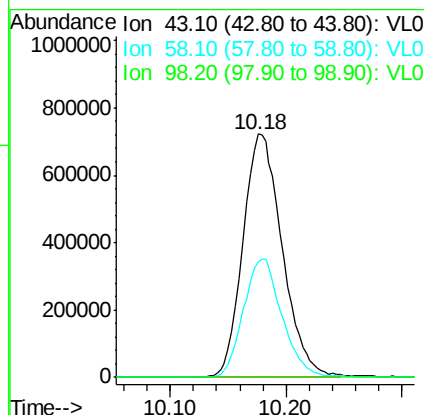
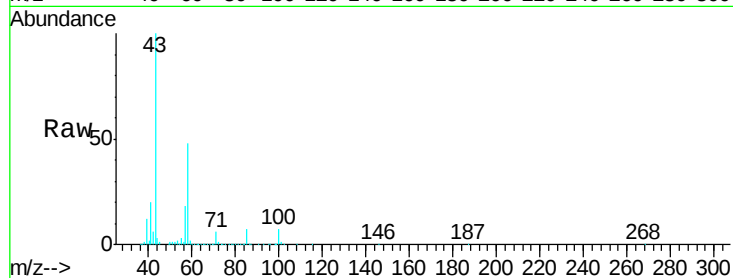
#51
2-Hexanone
Concen: 9.368 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 43 Resp: 1700450
Ion Ratio Lower Upper
43 100
58 48.1 37.0 55.6
98 0.2 0.2 0.2#

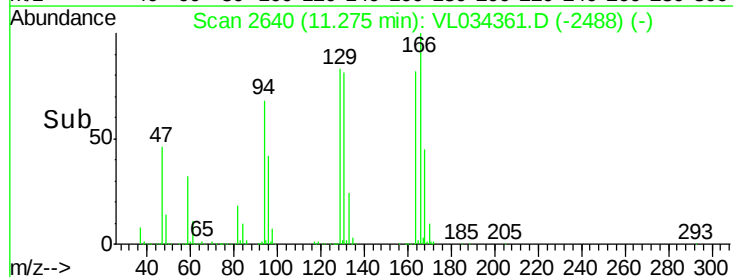
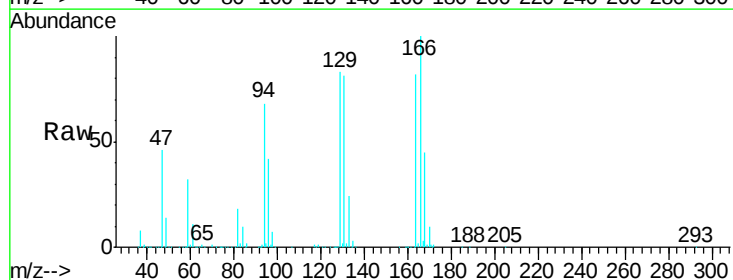
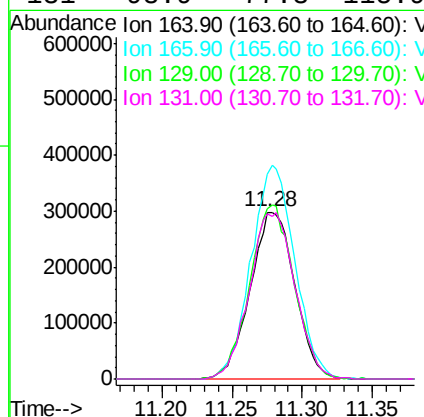
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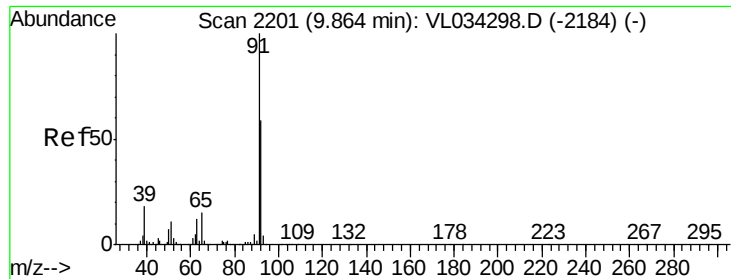
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#52
Tetrachloroethene
Concen: 9.257 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 164 Resp: 658761
Ion Ratio Lower Upper
164 100
166 122.6 95.3 142.9
129 102.3 84.5 126.7
131 98.9 77.3 115.9





#53

Toluene

Concen: 10.036 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 91 Resp: 2010779

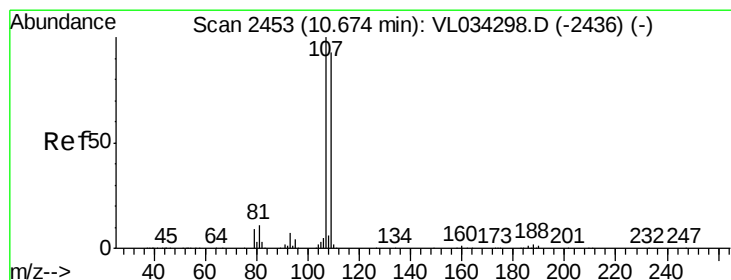
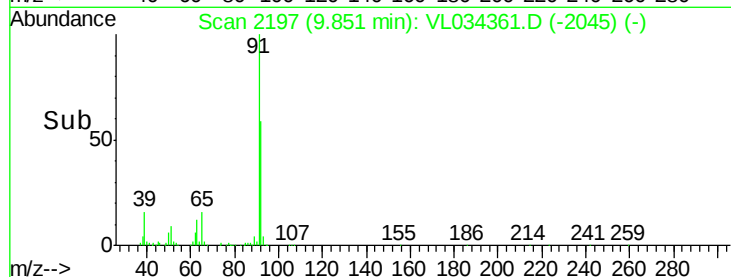
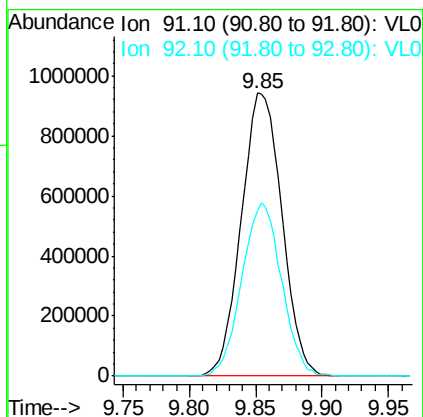
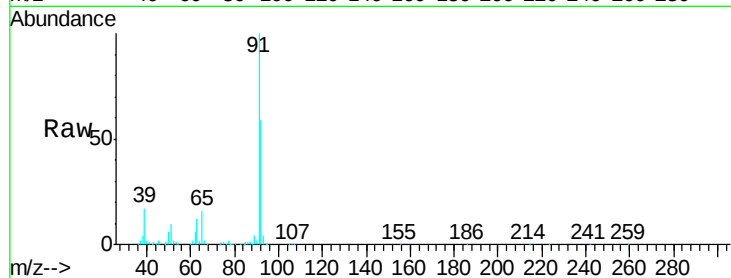
Ion Ratio Lower Upper

91 100

92 59.8 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.188 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL034361.D

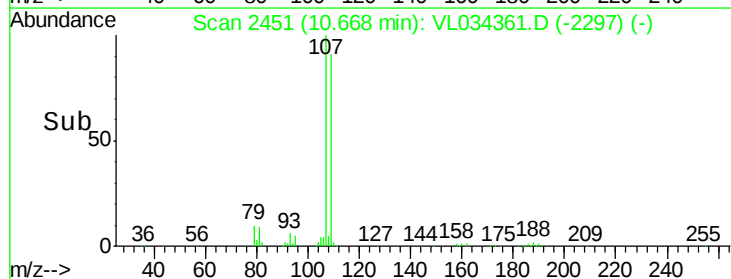
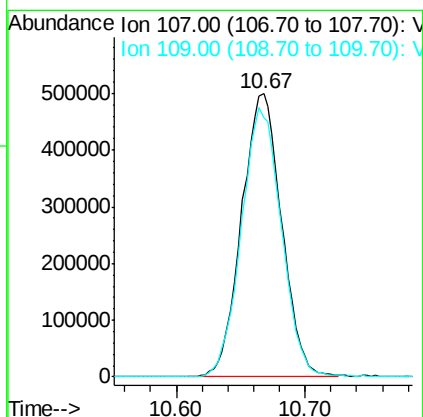
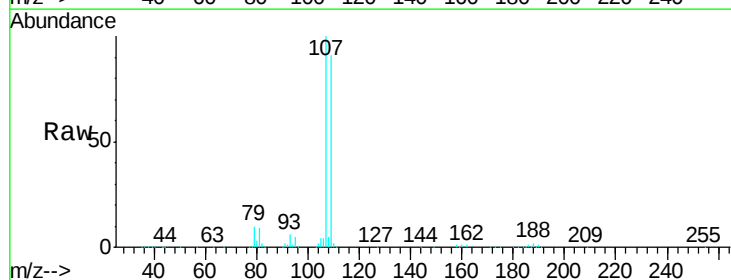
Acq: 25 Oct 2019 12:29

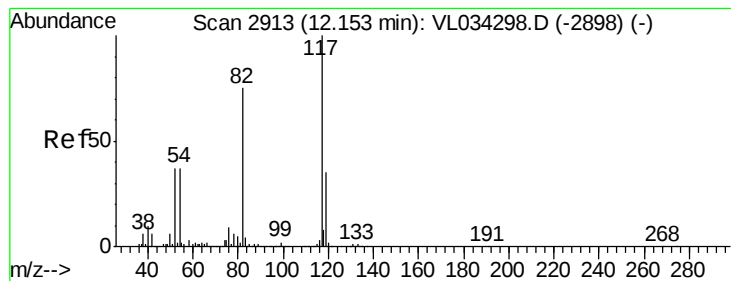
Tgt Ion: 107 Resp: 1078362

Ion Ratio Lower Upper

107 100

109 91.2 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion:117 Resp: 2081087

Ion Ratio Lower Upper

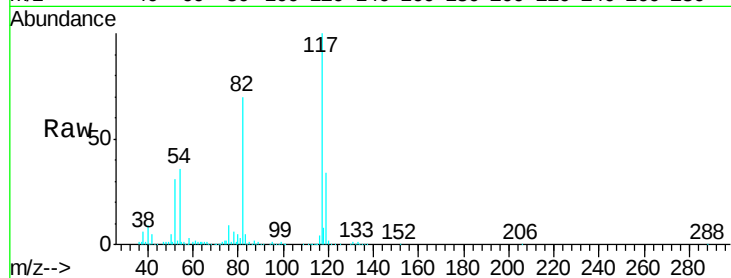
117 100

82 66.6 55.5 83.3

119 32.2 26.5 39.7

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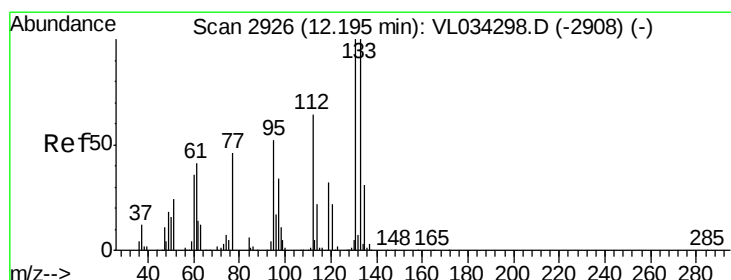
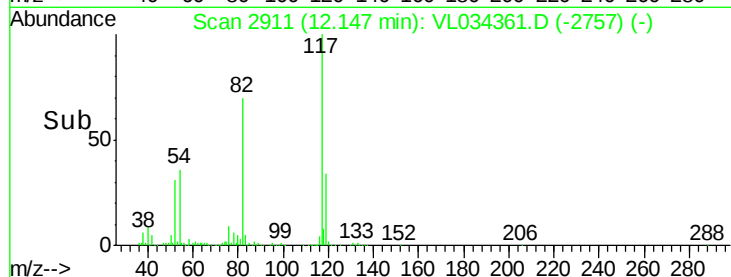
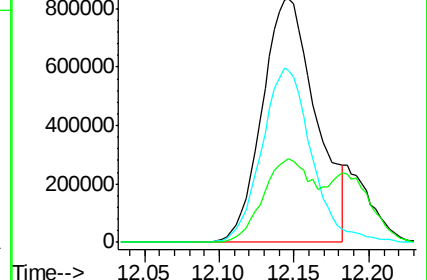
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.501 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

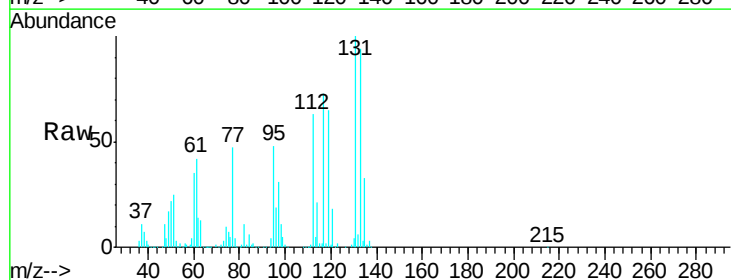
Tgt Ion:131 Resp: 815259

Ion Ratio Lower Upper

131 100

133 95.2 77.1 115.7

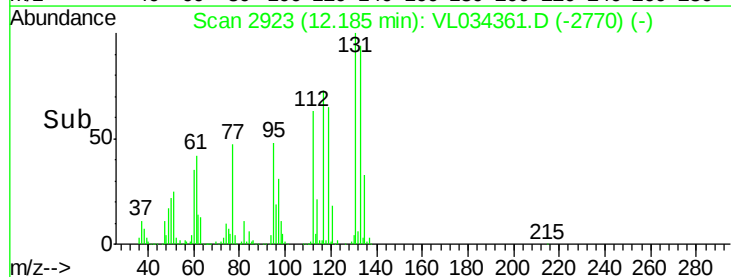
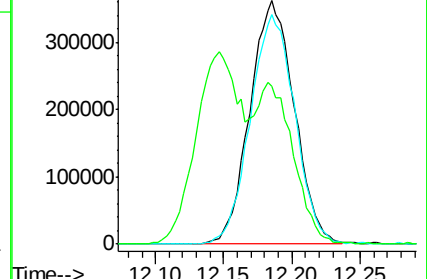
119 51.6 49.0 73.4

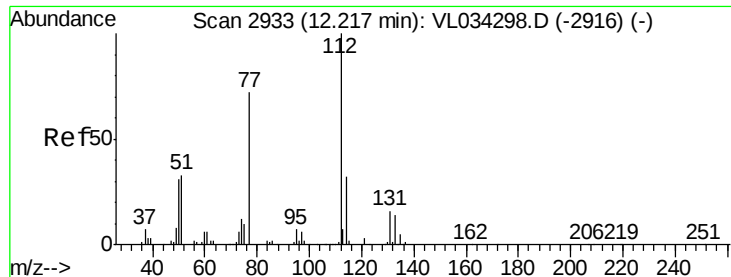


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





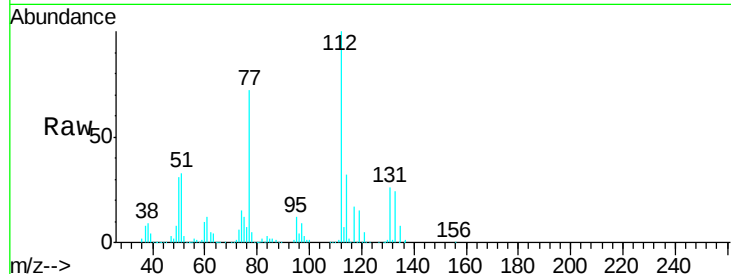
#57
Chlorobenzene
Concen: 8.541 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

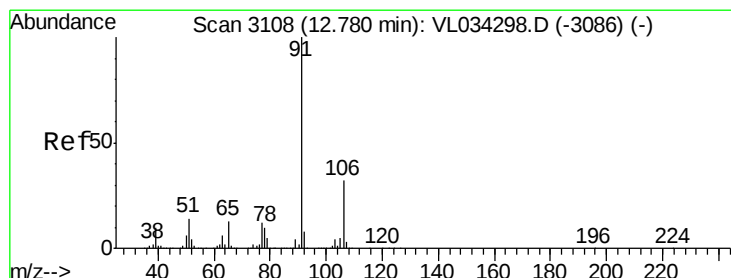
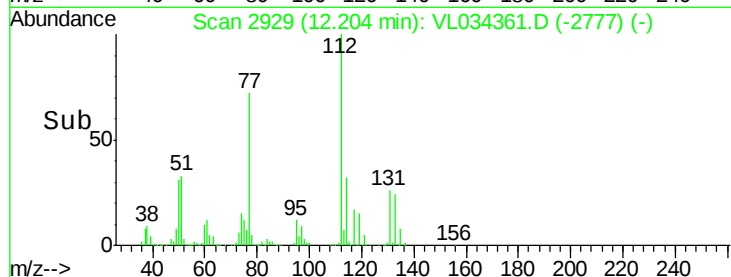
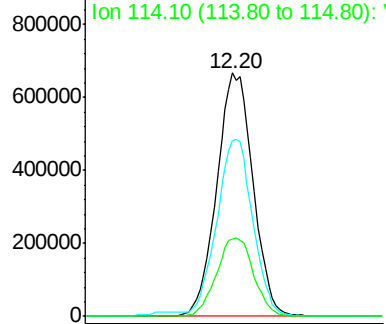
Tgt Ion	Ratio	Lower	Upper
112	100		
77	71.7	58.6	88.0
114	31.6	28.6	35.0

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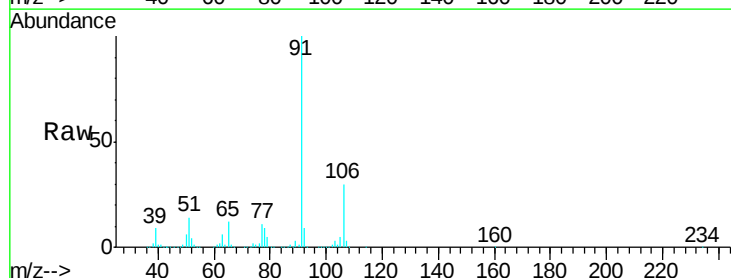


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

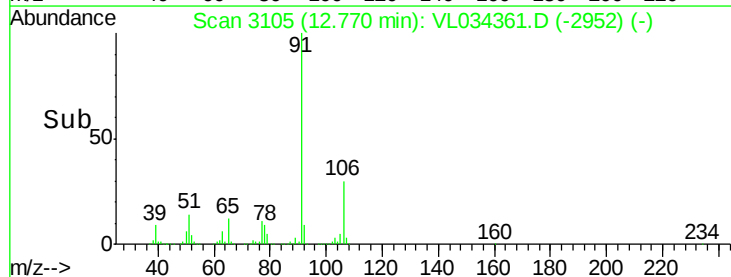
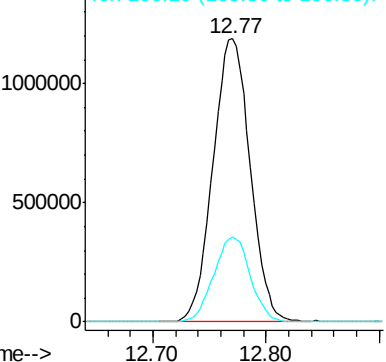


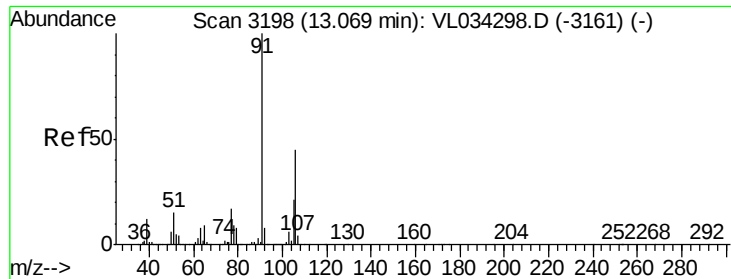
#58
Ethyl Benzene
Concen: 9.337 ppbv
RT: 12.77 min Scan# 3105
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.3	37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





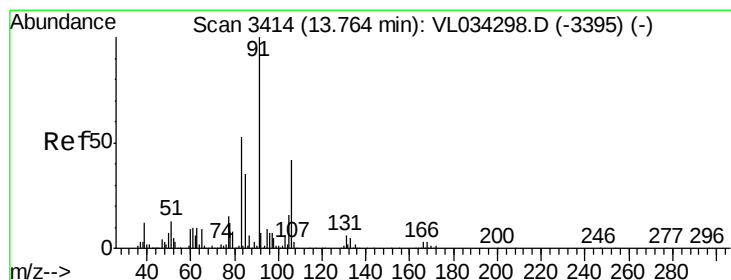
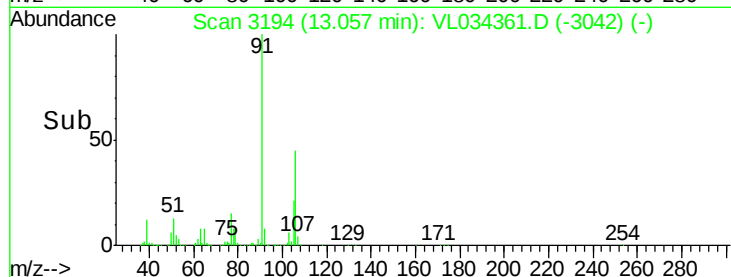
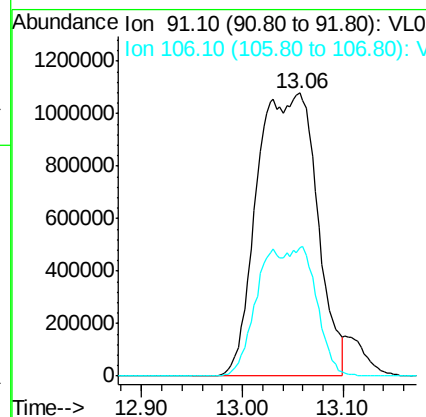
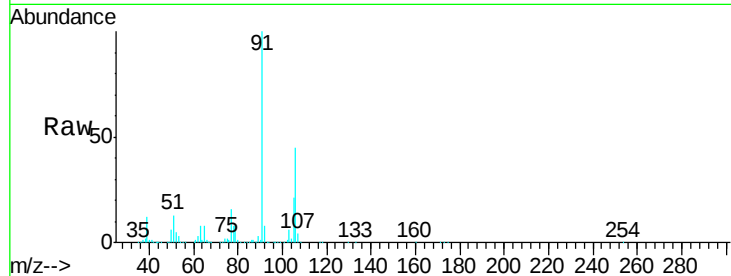
#59
m/p-Xylene
Concen: 17.625 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 91 Resp: 4442573
Ion Ratio Lower Upper
91 100
106 44.1 35.4 53.2

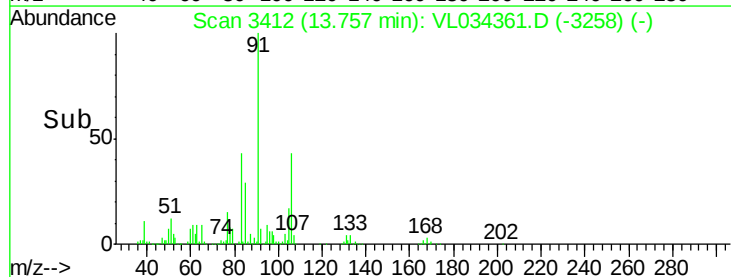
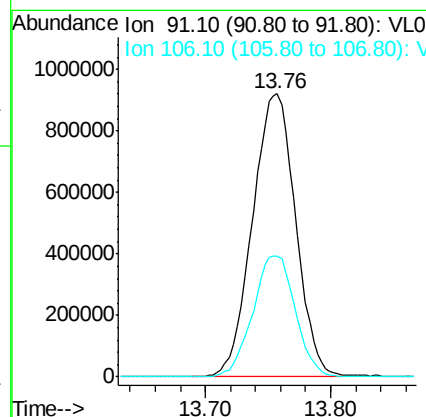
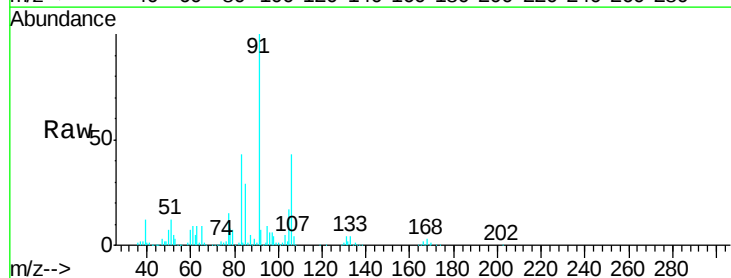
Manual Integrations
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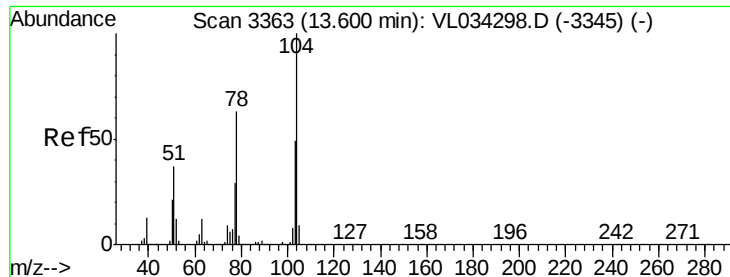
MMDadoda
10/31/2019 2:13:25 AM



#60
o-Xylene
Concen: 8.737 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 91 Resp: 2192978
Ion Ratio Lower Upper
91 100
106 42.3 21.6 64.6





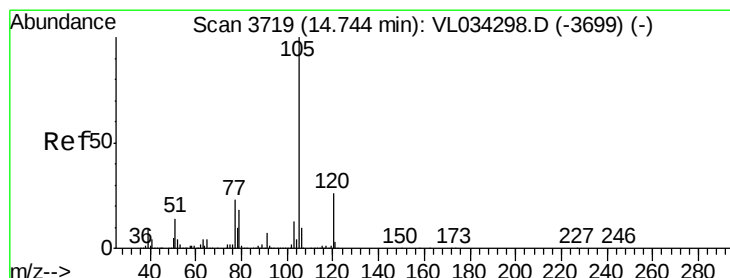
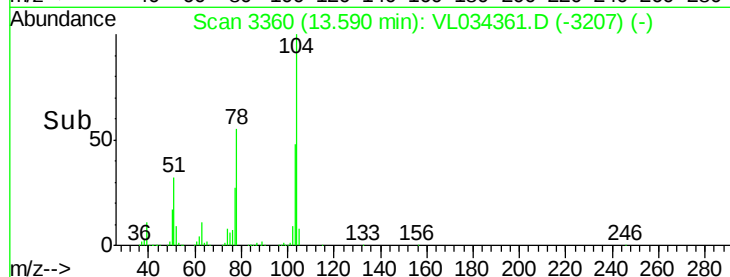
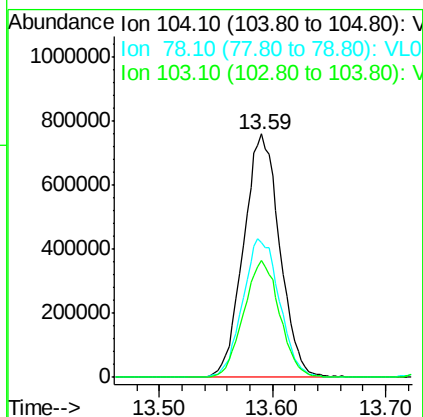
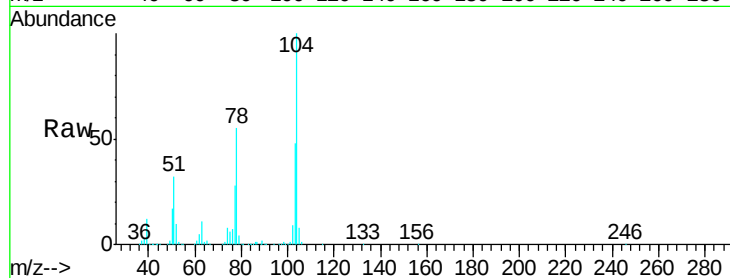
#61
Styrene
Concen: 9.550 ppbv
RT: 13.59 min Scan# 3360
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.9	47.8	71.8
103	47.8	39.0	58.6

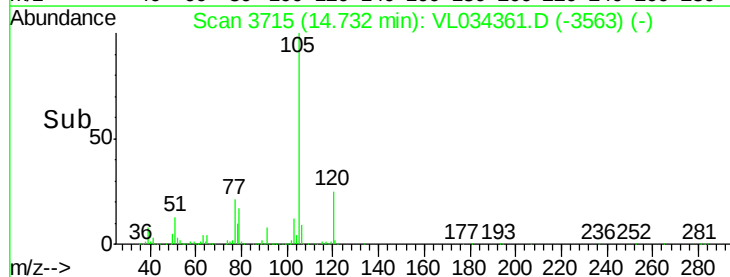
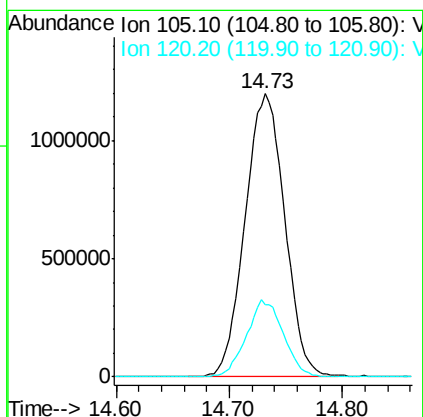
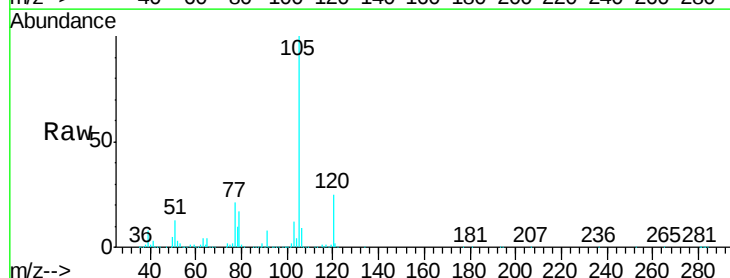
Manual Integrations
APPROVED

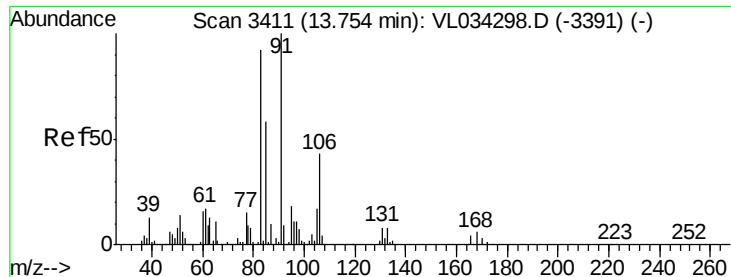
MMDadoda
10/31/2019 2:13:25 AM



#62
Isopropylbenzene
Concen: 8.807 ppbv
RT: 14.73 min Scan# 3715
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 7.442 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 83 Resp: 1500954

Ion Ratio Lower Upper

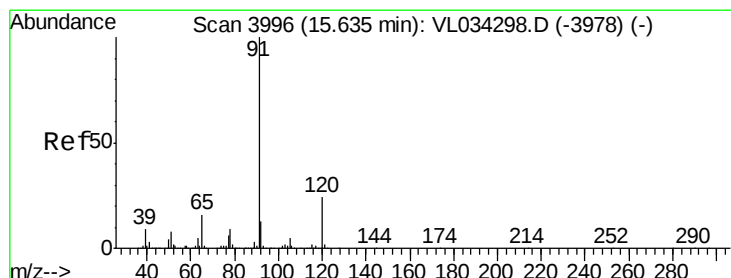
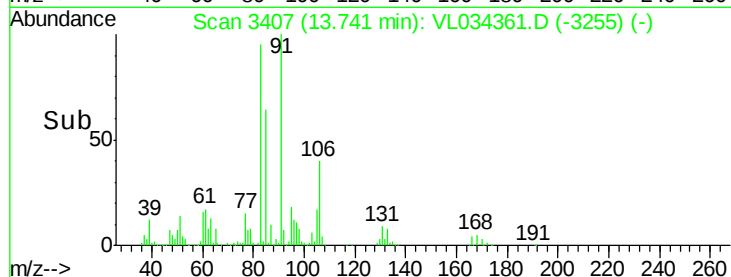
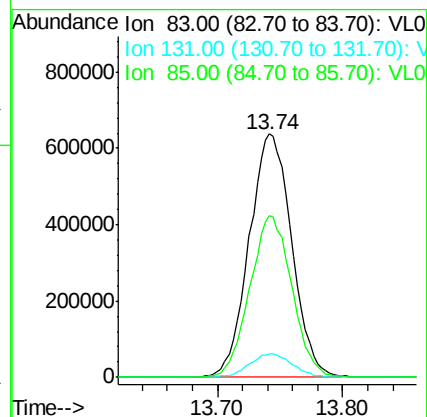
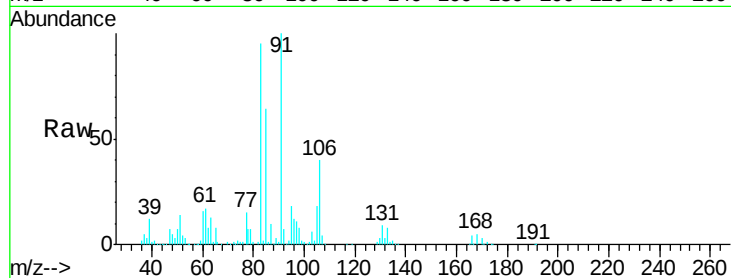
83 100

131 9.8 4.8 14.4

85 66.0 32.5 97.4

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#64

n-propylbenzene

Concen: 8.897 ppbv

RT: 15.63 min Scan# 3993

Delta R.T. -0.01 min

Lab File: VL034361.D

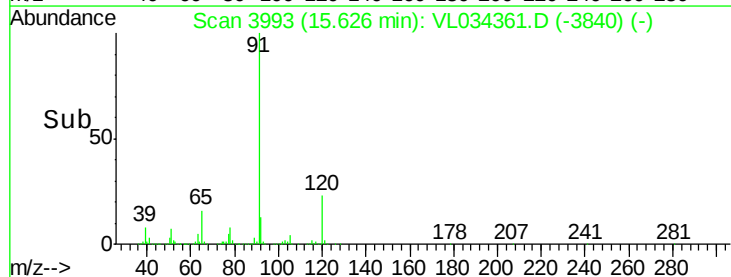
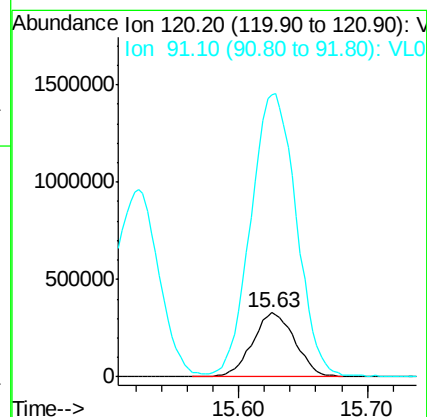
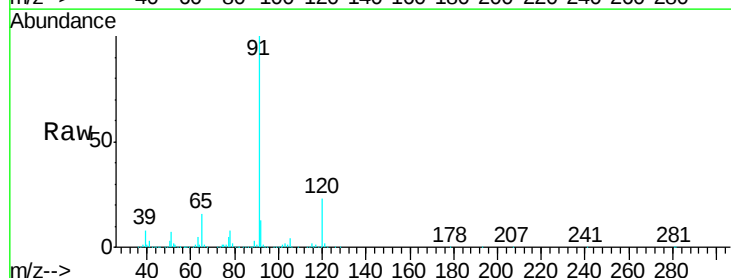
Acq: 25 Oct 2019 12:29

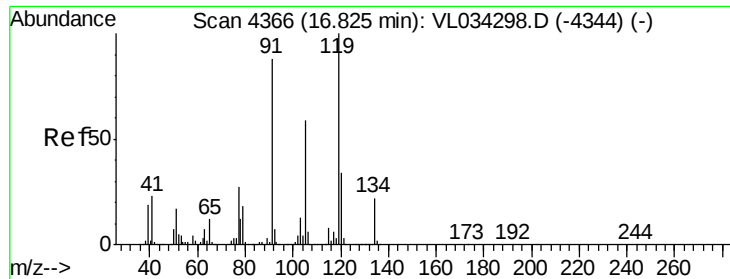
Tgt Ion: 120 Resp: 756526

Ion Ratio Lower Upper

120 100

91 474.5 374.9 562.3





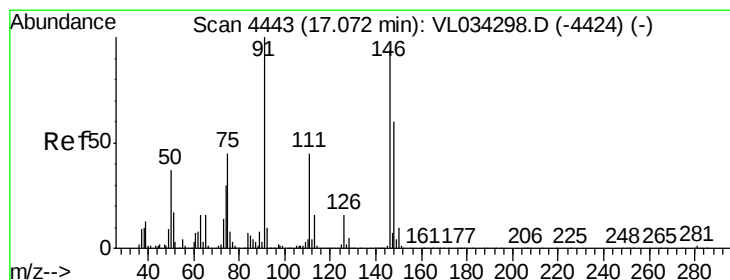
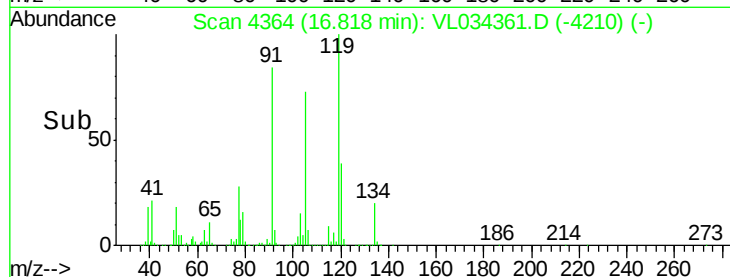
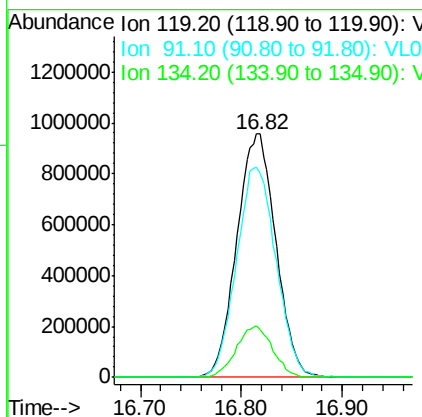
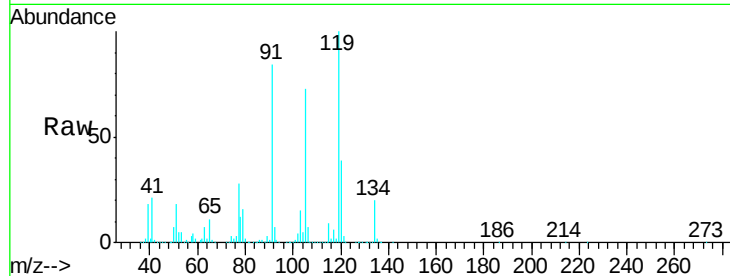
#65
tert-Butylbenzene
Concen: 8.728 ppbv
RT: 16.82 min Scan# 4364
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion: 119 Resp: 2563019
Ion Ratio Lower Upper
119 100
91 88.0 71.4 107.0
134 19.7 15.9 23.9

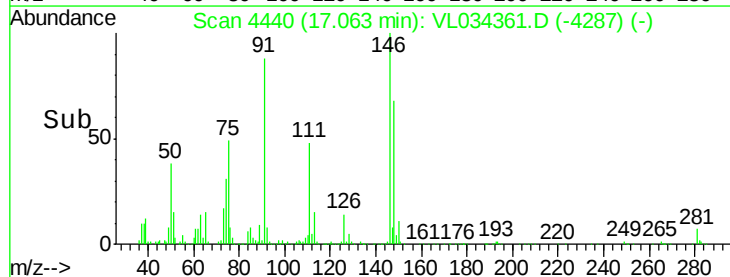
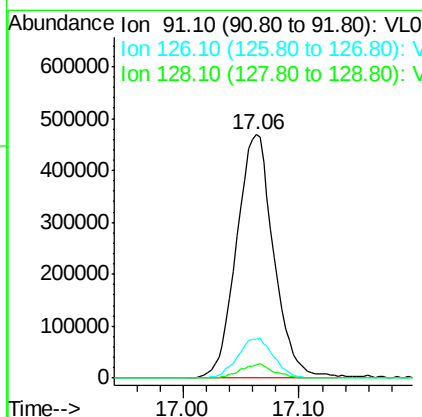
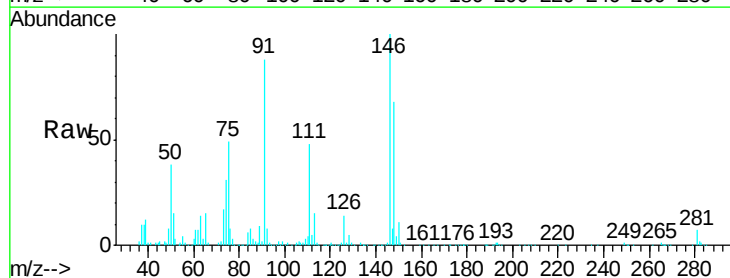
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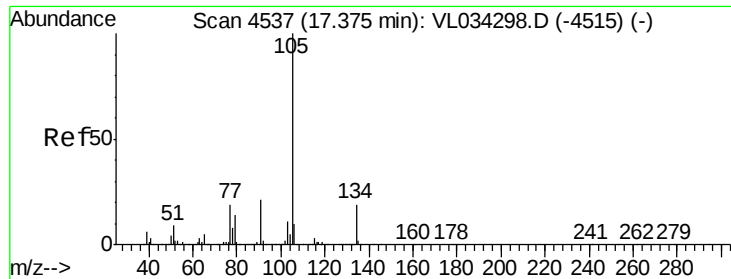
MMDadoda
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#66
Benzyl Chloride
Concen: 8.948 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion: 91 Resp: 1037801
Ion Ratio Lower Upper
91 100
126 16.2 12.9 19.3
128 5.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.615 ppbv

RT: 17.37 min Scan# 4534

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 105 Resp: 3559972

Ion Ratio Lower Upper

105 100

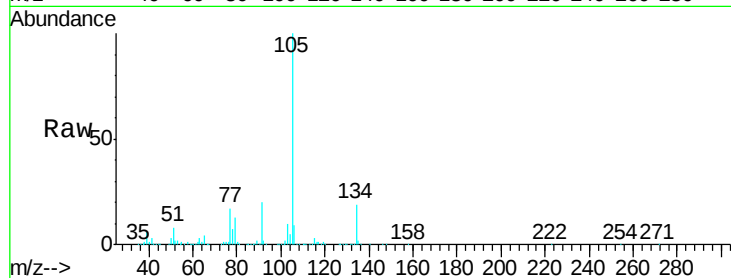
134 18.5 15.4 23.0

Manual Integrations

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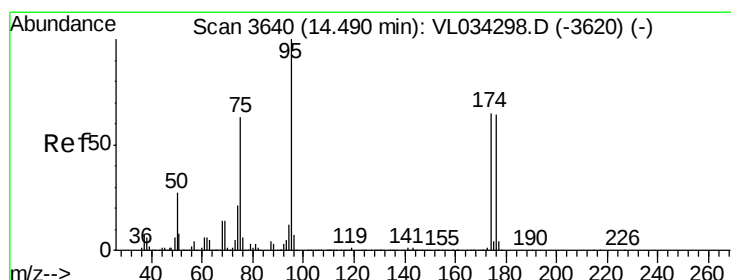
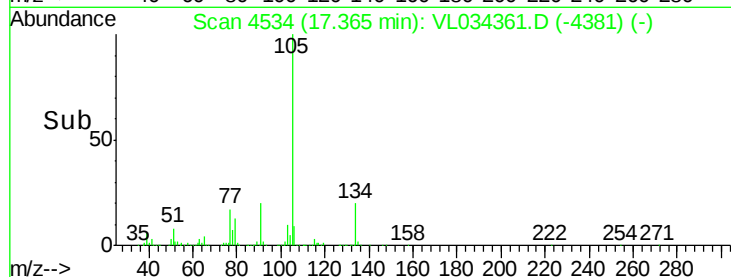
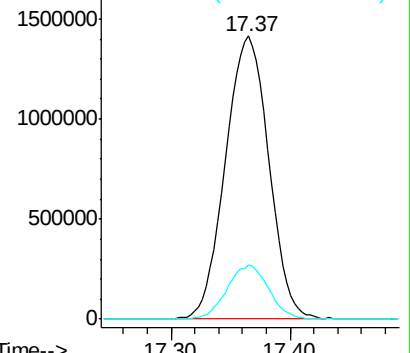
MMDadoda

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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: 9.088 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

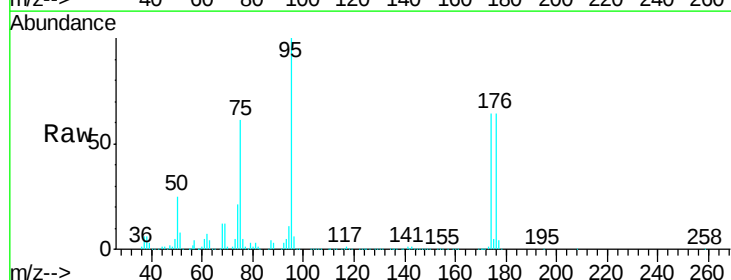
Tgt Ion: 95 Resp: 1601850

Ion Ratio Lower Upper

95 100

174 66.8 52.6 78.8

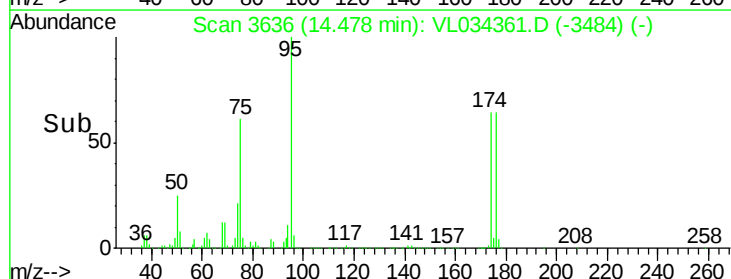
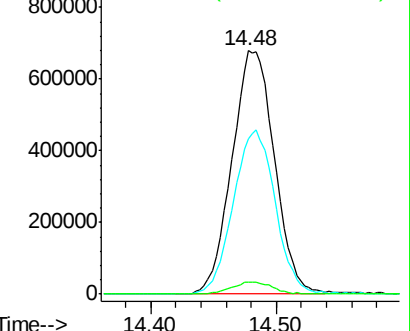
175 4.8 3.8 5.6

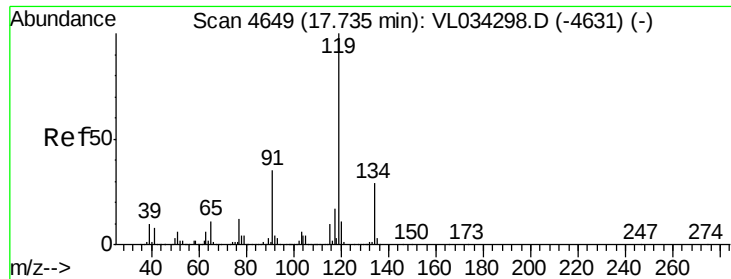


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





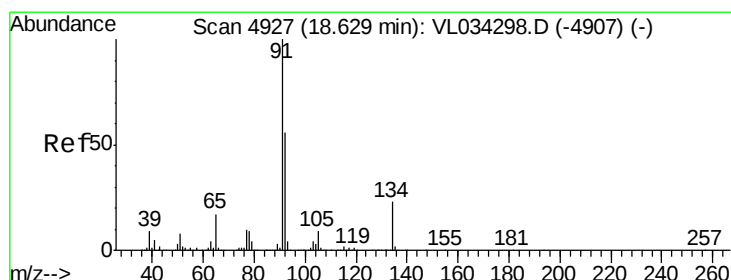
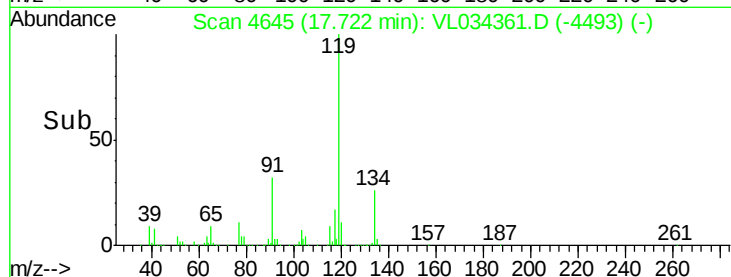
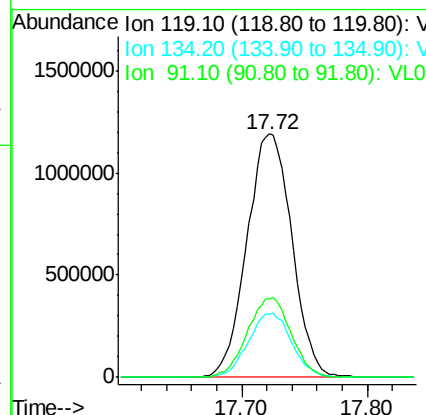
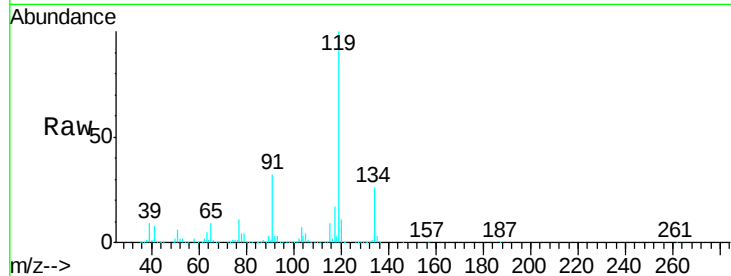
#69
p-Isopropyltoluene
Concen: 8.782 ppbv
RT: 17.72 min Scan# 4645
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	21.3	31.9
91	31.9	26.6	39.8

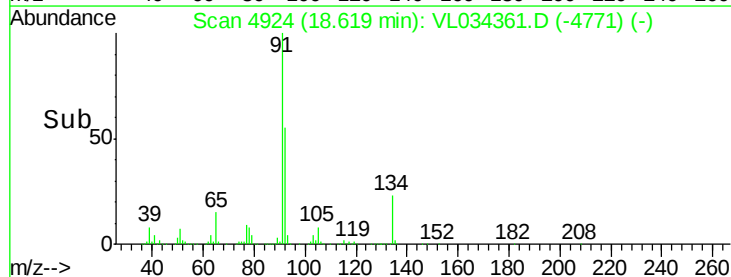
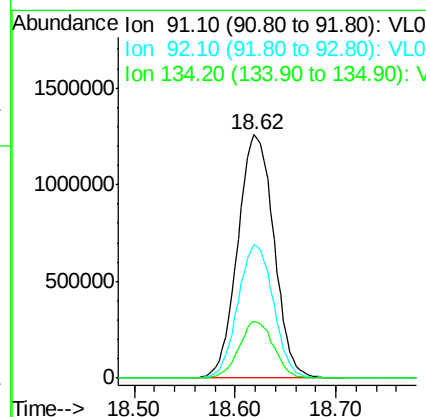
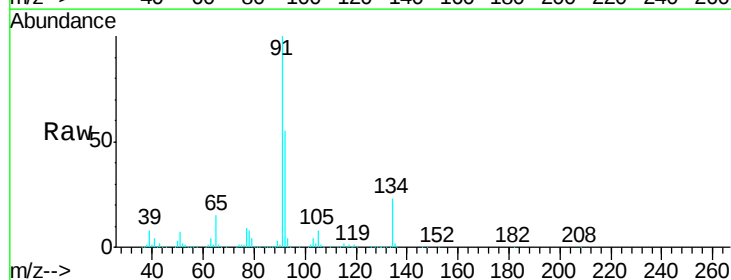
Manual Integrations
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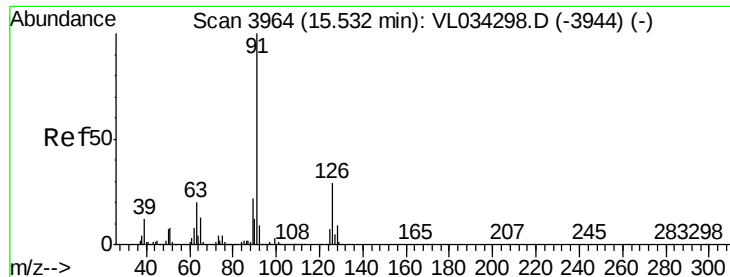
MMDadoda
10/31/2019 2:13:25 AM



#70
n-Butylbenzene
Concen: 8.529 ppbv
RT: 18.62 min Scan# 4924
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.5	66.7
134	22.4	18.2	27.2





#71

2-Chlorotoluene

Concen: 8.889 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

ClientSampleId :

VL1025ABS01

Tgt Ion: 91 Resp: 2283534

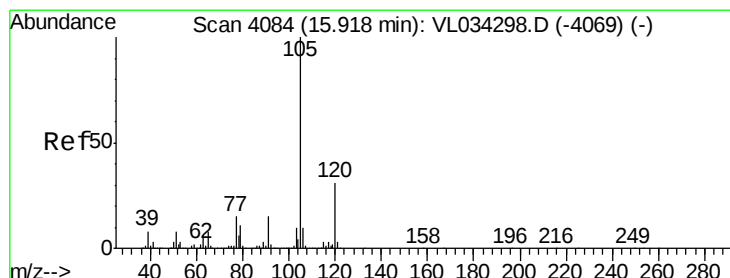
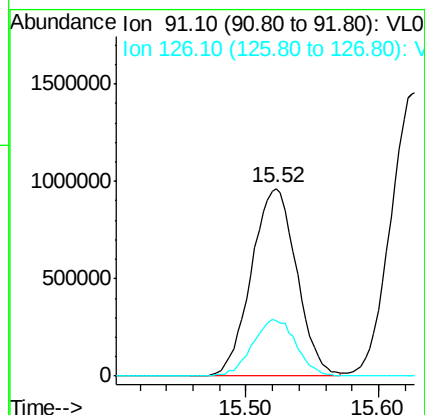
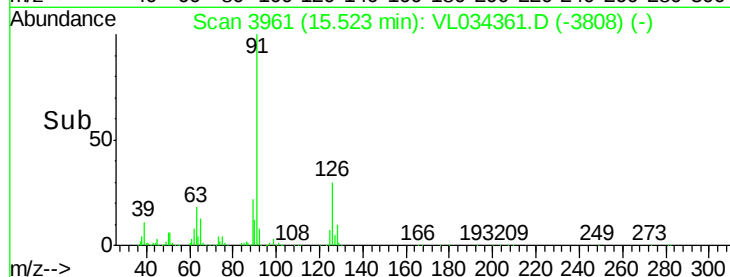
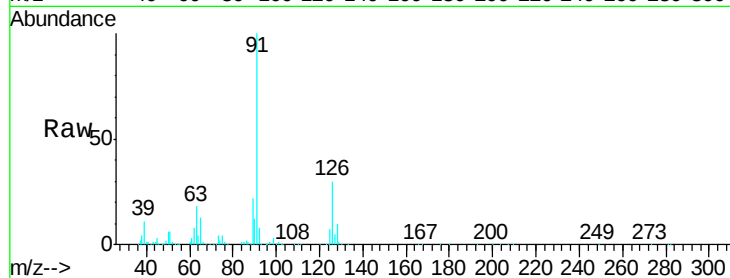
Ion Ratio Lower Upper

91 100

126 29.6 11.9 47.5

Manual Integrations
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#72

4-Ethyltoluene

Concen: 9.160 ppbv

RT: 15.91 min Scan# 4080

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Tgt Ion: 105 Resp: 2584458

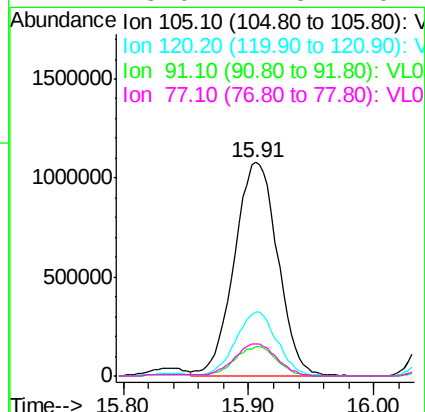
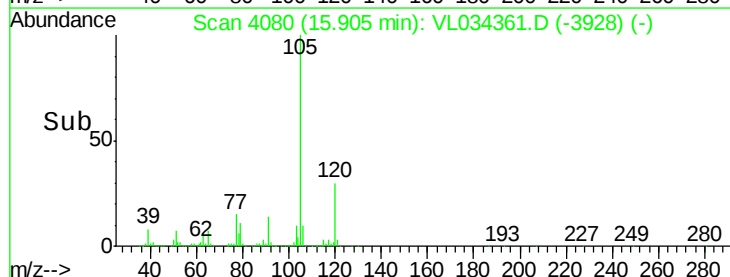
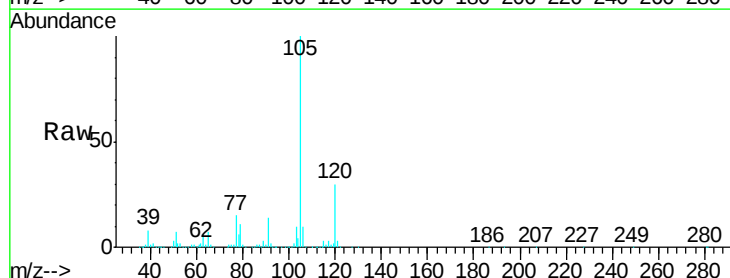
Ion Ratio Lower Upper

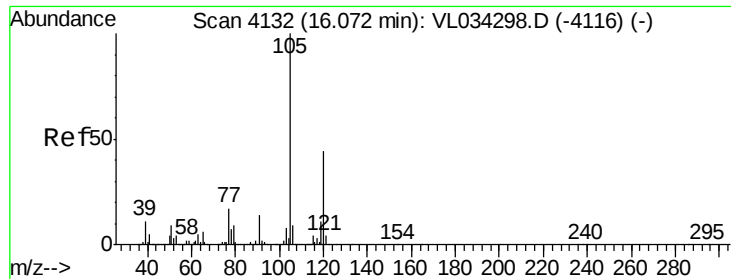
105 100

120 28.8 23.8 35.8

91 13.6 11.2 16.8

77 15.0 12.8 19.2





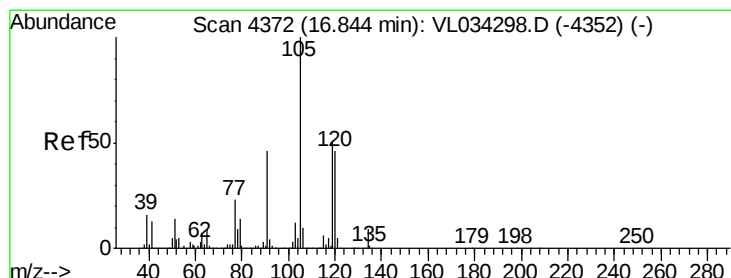
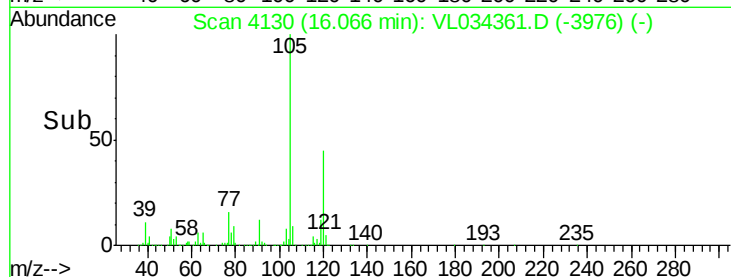
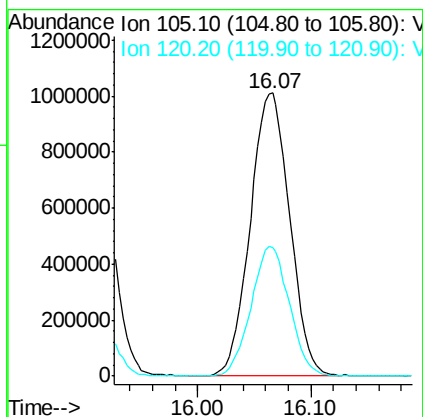
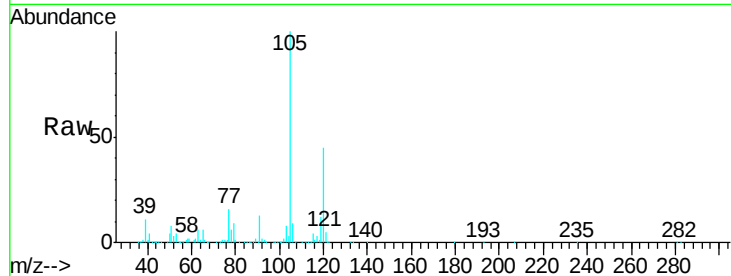
#73
 1,3,5-Trimethylbenzene
 Concen: 8.683 ppbv
 RT: 16.07 min Scan# 4130
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion:105 Resp: 2427316
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.2 52.8

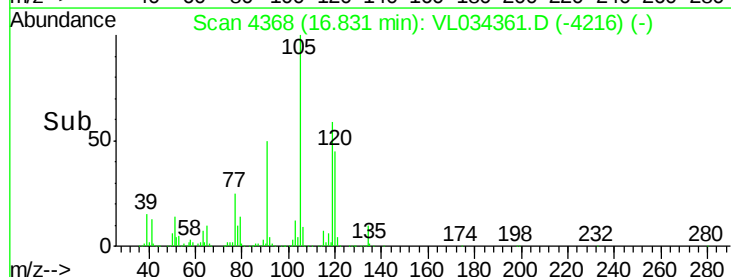
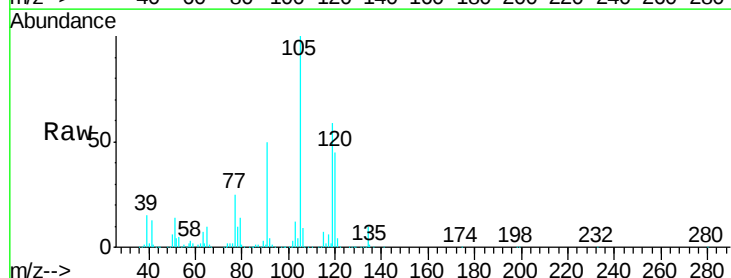
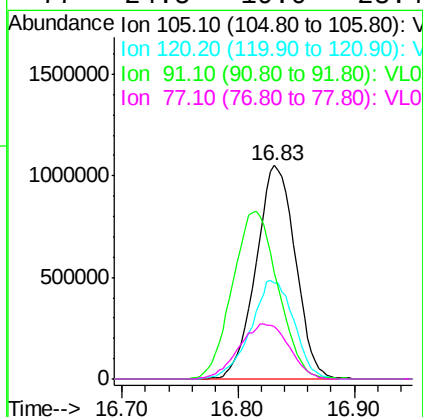
Manual Integrations
 APPROVED

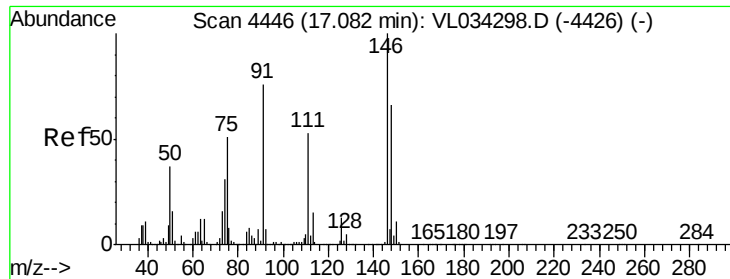
MMDadoda
 10/31/2019 2:13:25 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.505 ppbv
 RT: 16.83 min Scan# 4368
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion:105 Resp: 2479457
 Ion Ratio Lower Upper
 105 100
 120 45.1 37.0 55.6
 91 49.4 38.2 57.2
 77 24.5 19.0 28.4





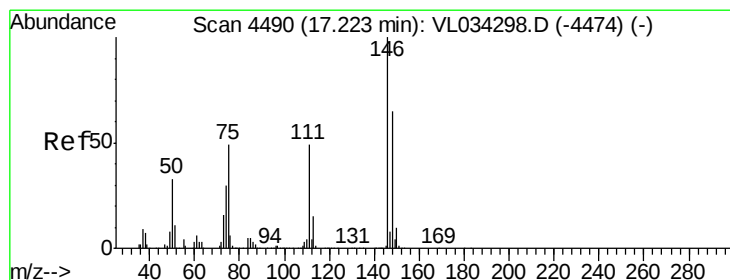
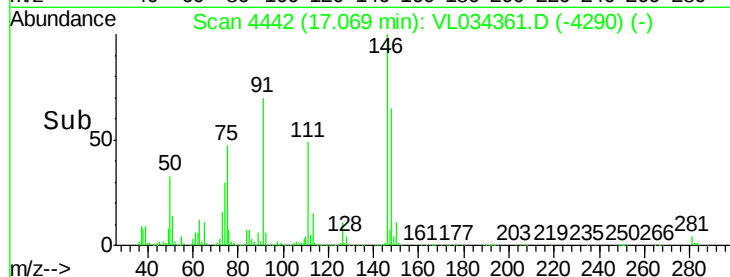
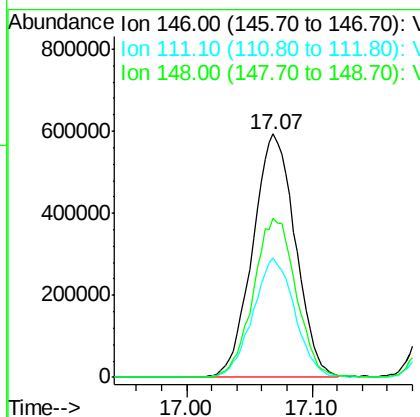
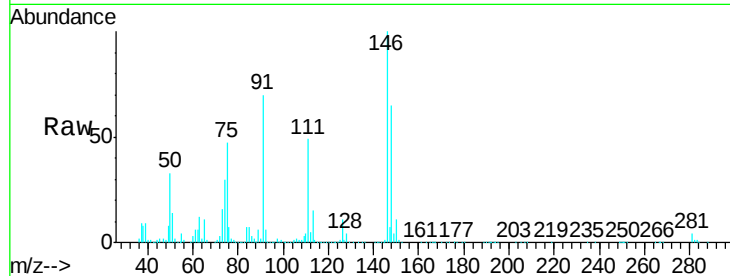
#75
 1,3-Dichlorobenzene
 Concen: 8.006 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion:146 Resp: 1401249
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.5 73.5
 148 65.2 32.3 96.8

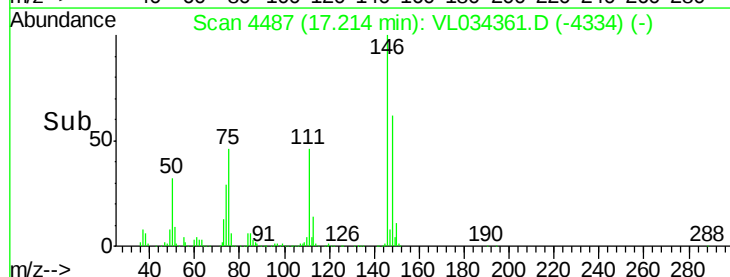
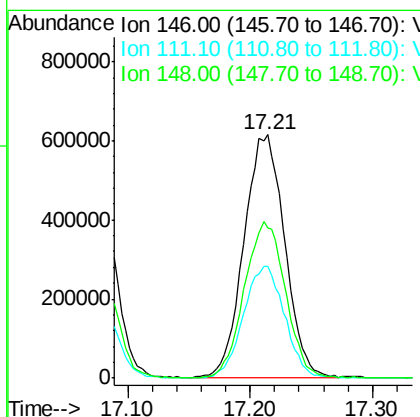
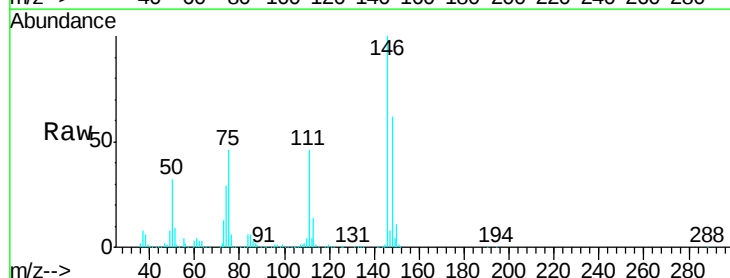
Manual Integrations
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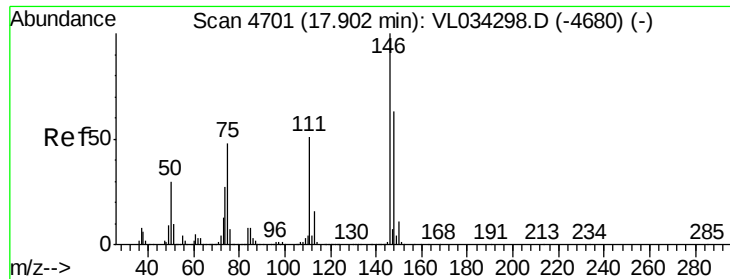
MMDadoda
 10/31/2019 2:13:25 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.280 ppbv
 RT: 17.21 min Scan# 4487
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Tgt Ion:146 Resp: 1415649
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.9 71.7
 148 65.3 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 7.934 ppbv

RT: 17.90 min Scan# 4699

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Instrument :

MSVOA_L

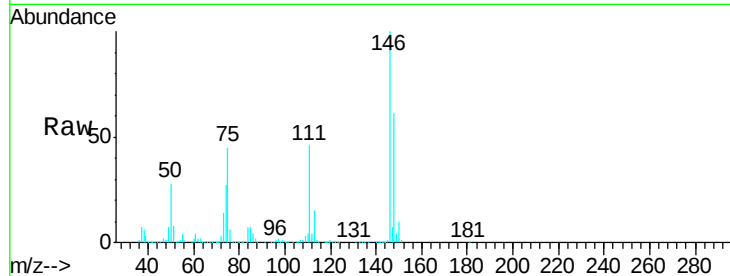
ClientSampleId :

VL1025ABS01

Tgt Ion:	146	Resp:	1361410
Ion Ratio	Lower	Upper	
146	100		
111	49.5	25.1	75.3
148	65.2	32.3	96.8

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

17.90

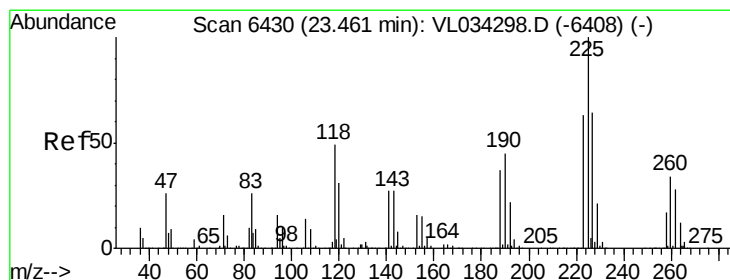
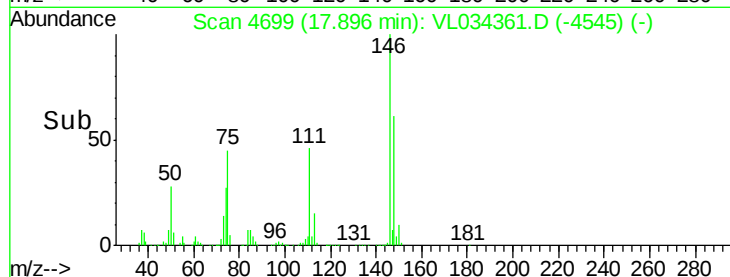
600000

400000

200000

0

Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 8.801 ppbv

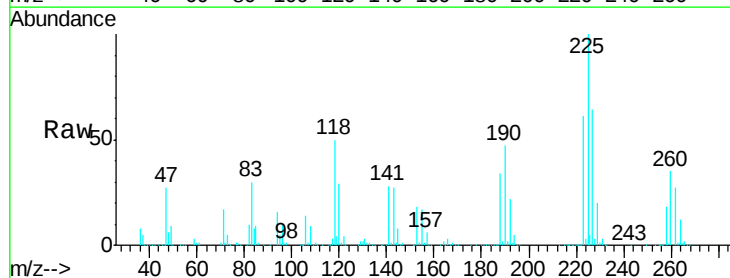
RT: 23.45 min Scan# 6426

Delta R.T. -0.01 min

Lab File: VL034361.D

Acq: 25 Oct 2019 12:29

Tgt Ion:	225	Resp:	1249308
Ion Ratio	Lower	Upper	
225	100		
223	63.0	50.8	76.2
227	64.5	51.5	77.3



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

23.45

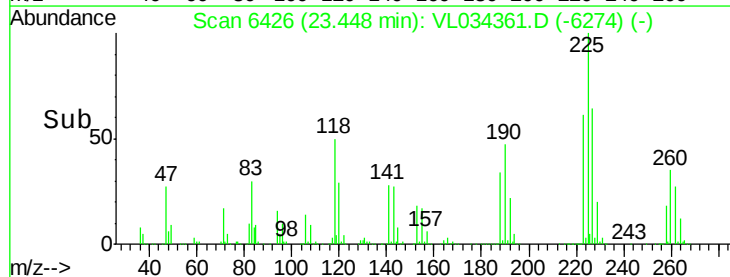
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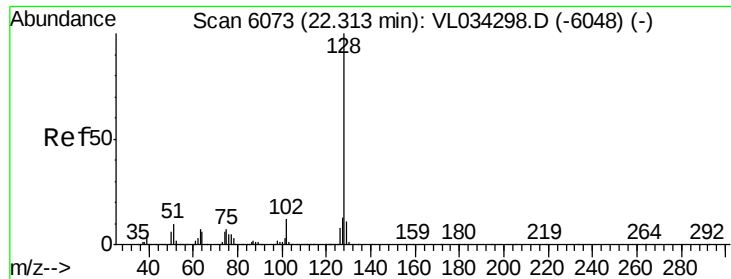
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Time-->





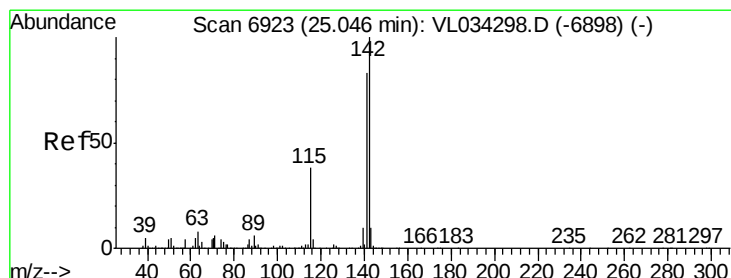
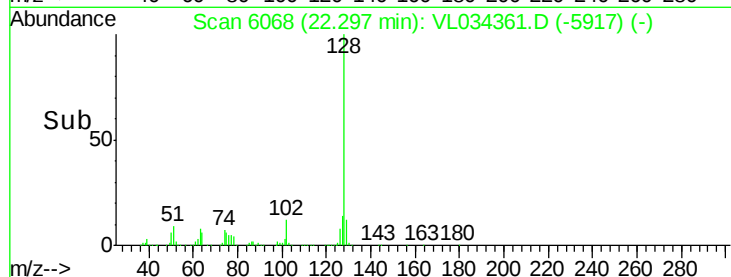
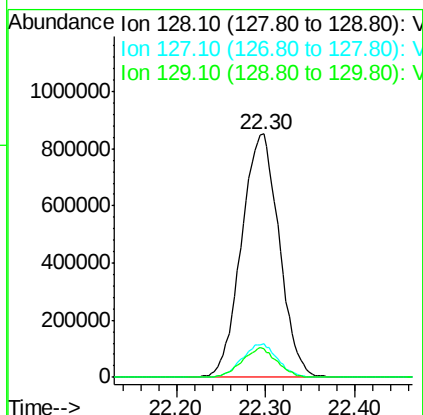
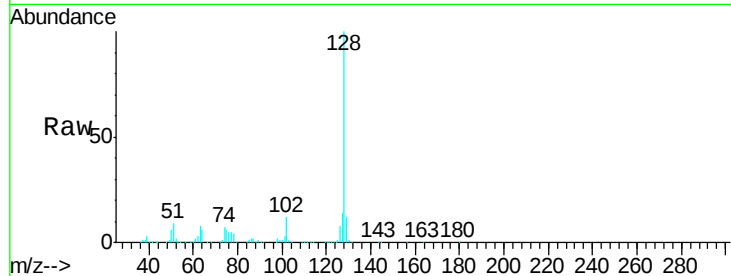
#79
Naphthalene
Concen: 11.737 ppbv
RT: 22.30 min Scan# 6068
Delta R.T. -0.02 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Instrument :
MSVOA_L
ClientSampleId :
VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	11.6	8.9	13.3

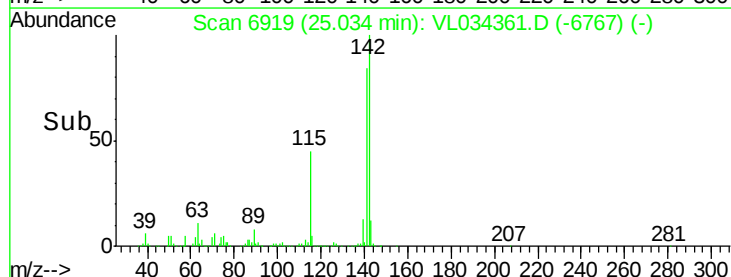
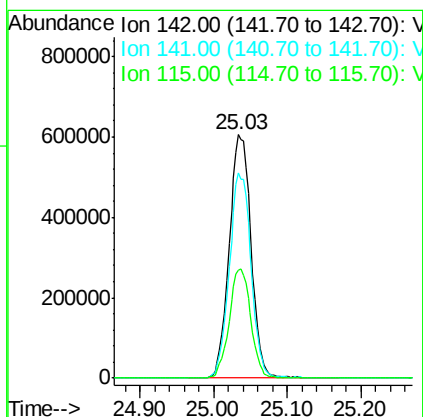
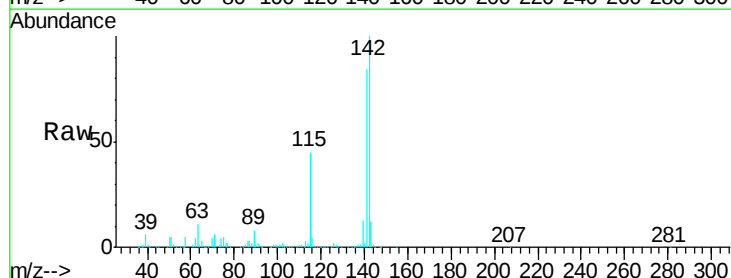
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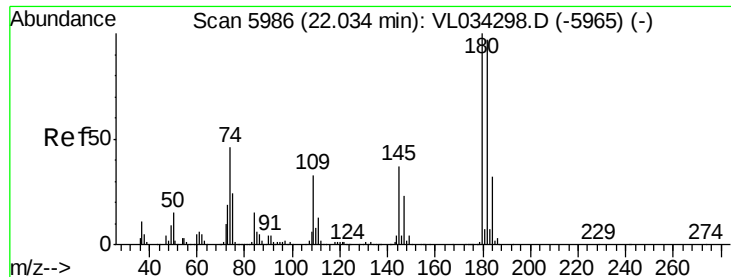
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#80
Naphthalene, 2-methyl-
Concen: 20.267 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. -0.01 min
Lab File: VL034361.D
Acq: 25 Oct 2019 12:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	65.7	98.5
115	44.2	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.351 ppbv
 RT: 22.02 min Scan# 5982
 Delta R.T. -0.01 min
 Lab File: VL034361.D
 Acq: 25 Oct 2019 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1025ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.8	116.8
184	31.3	25.4	38.2

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