

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101419\
 Data File : VL034280.D
 Acq On : 14 Oct 2019 13:19
 Operator : SY/AP
 Sample : VL1014ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:59:15 AM

Quant Time: Oct 15 07:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1019846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1796758	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1905278	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1615071	9.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1784469	11.846	ppbv 98
3) Chlorodifluoromethane	2.97	51	1160390	9.704	ppbv 98
4) Chloromethane	3.12	50	701820	9.988	ppbv 97
5) Vinyl Chloride	3.24	62	637152	9.922	ppbv 100
6) Bromomethane	3.46	94	305898	10.210	ppbv 94
7) Chloroethane	3.55	64	232145	10.342	ppbv 95
8) Dichlorotetrafluoroethane	3.17	85	1367829	10.288	ppbv 98
9) Propene	2.99	41	552245	9.361	ppbv 100
10) Heptane	8.17	43	1465954	9.534	ppbv 100
11) Trichlorofluoromethane	3.94	101	1446389	10.548	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	962761	10.729	ppbv 100
13) Ethanol	3.60	45	123125	8.619	ppbv 100
14) Bromoethene	3.73	108	401414	10.941	ppbv 100
15) Acetone	3.84	43	1211870	8.866	ppbv 99
16) 1,3-Butadiene	3.31	39	609433	10.217	ppbv 99
17) tert-Butyl alcohol	4.29	59	956464	11.044	ppbv 100
18) 1,1-Dichloroethene	4.29	96	430702	11.004	ppbv 93
19) Isopropyl Alcohol	3.97	45	851588	10.131	ppbv 100
20) Methylene Chloride	4.35	84	395834	10.044	ppbv 96
21) Allyl Chloride	4.41	41	840190	10.883	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	434028	11.083	ppbv 99
23) Vinyl Acetate	5.09	43	1950904	9.686	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1344523	9.914	ppbv 99
25) Ethyl Acetate	5.70	43	2458228	9.511	ppbv 100
26) Hexane	5.71	57	1039530	9.668	ppbv 99
27) Carbon Disulfide	4.56	76	1152573	11.623	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1679021	10.514	ppbv 98
29) Chloroform	5.78	83	1527893	9.944	ppbv 100
30) Cyclohexane	7.17	84	776835	10.007	ppbv 97
31) cis-1,2-Dichloroethene	5.57	61	1094057	9.982	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1514249	10.219	ppbv 98
34) 2-Butanone	5.26	43	1654417	9.018	ppbv 99
35) Carbon Tetrachloride	7.06	117	1492439	9.998	ppbv 99
36) Benzene	6.93	78	1865072	9.399	ppbv 99
37) 1,2-Dichloroethane	6.34	62	1381775	9.790	ppbv 100
38) Trichloroethene	7.88	130	648491	9.146	ppbv 96
39) 1,2-Dichloropropane	7.66	63	823461	9.236	ppbv 95
40) 1,4-Dioxane	7.87	88	301554m	10.451	ppbv
41) Tetrahydrofuran	6.07	42	962527	9.315	ppbv 98
42) Bromodichloromethane	7.84	83	1705386	10.068	ppbv 99
43) Methyl Methacrylate	8.06	69	816709	9.963	ppbv 98

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Quant Time: Oct 15 07:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
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 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3504670	9.174	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1078306	11.125	ppbv	95
46) cis-1,3-Dichloropropene	8.76	75	1223297	10.492	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	758490	9.474	ppbv	96
48) Dibromochloromethane	10.37	129	1285428	10.130	ppbv	99
49) Bromoform	13.11	173	1067042	10.391	ppbv	98
50) 4-Methyl-2-Pentanone	8.79	43	2431651	9.107	ppbv	99
51) 2-Hexanone	10.19	43	2030359	9.061	ppbv	99
52) Tetrachloroethene	11.29	164	581065	8.863	ppbv	97
53) Toluene	9.87	91	2077287	9.578	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1145320	9.619	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	838282	9.866	ppbv	97
57) Chlorobenzene	12.22	112	1485862	8.957	ppbv	100
58) Ethyl Benzene	12.78	91	2857657	9.295	ppbv	99
59) m/p-Xylene	13.06	91	4669719m	18.339	ppbv	
60) o-Xylene	13.76	91	2346762	9.217	ppbv	98
61) Styrene	13.60	104	1704265	9.345	ppbv	100
62) Isopropylbenzene	14.74	105	3040651	9.225	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1675012	8.023	ppbv	100
64) n-propylbenzene	15.64	120	781314	9.370	ppbv	93
65) tert-Butylbenzene	16.82	119	2587128	8.983	ppbv	99
66) Benzyl Chloride	17.07	91	1266079	12.426	ppbv	100
67) sec-Butylbenzene	17.37	105	3750400	9.107	ppbv	98
69) p-Isopropyltoluene	17.73	119	3030554	9.088	ppbv	99
70) n-Butylbenzene	18.63	91	3443058	8.867	ppbv	99
71) 2-Chlorotoluene	15.53	91	2438045	9.053	ppbv	100
72) 4-Ethyltoluene	15.91	105	2711824m	9.427	ppbv	
73) 1,3,5-Trimethylbenzene	16.08	105	2551849	9.182	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2606598	8.834	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1394518	8.808	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1407790	8.683	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1375570	8.584	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	968125	9.122	ppbv	99
79) Naphthalene	22.31	128	2256056	8.685	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	880209	7.286	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1237881	8.602	ppbv	100

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

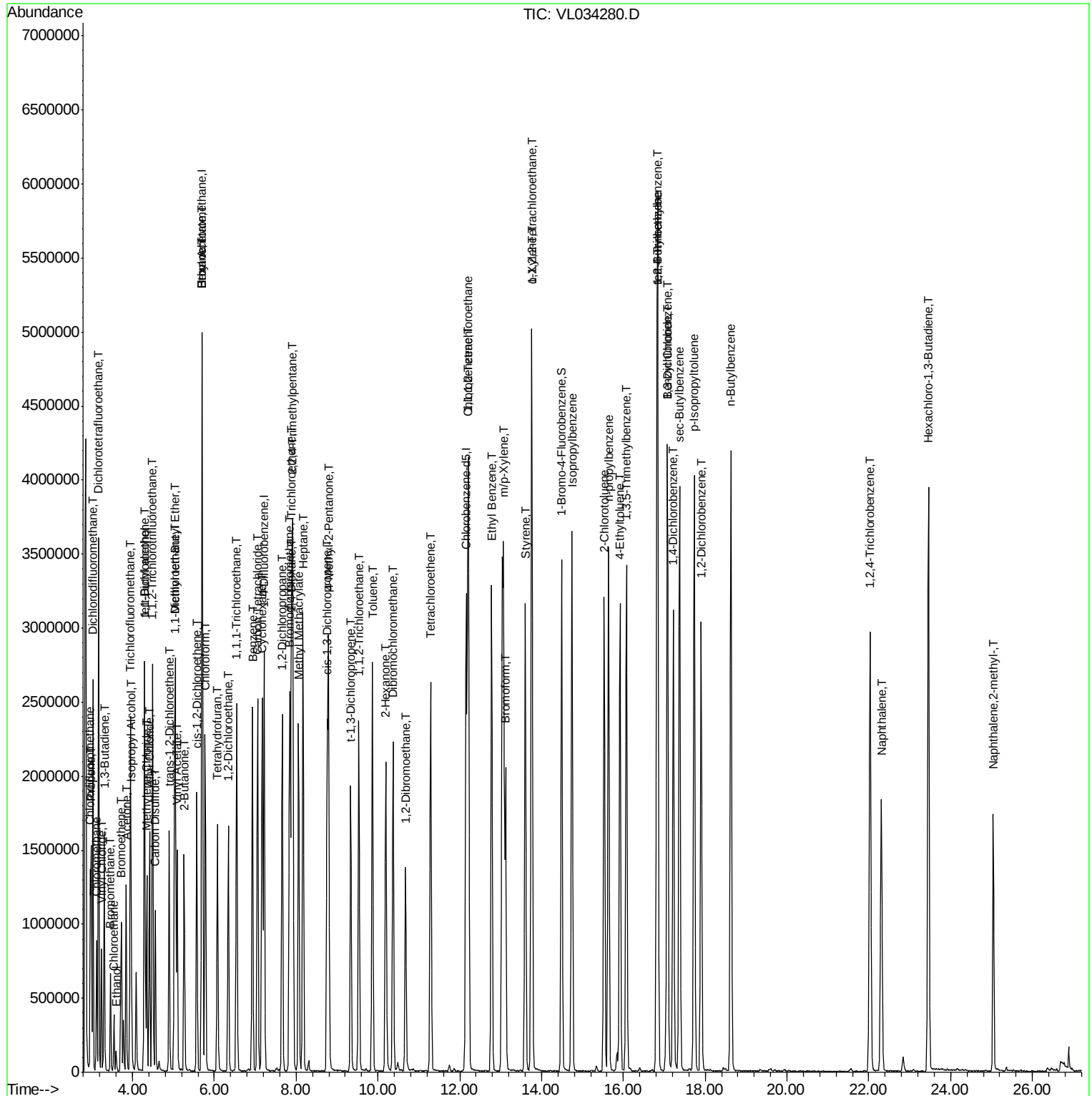
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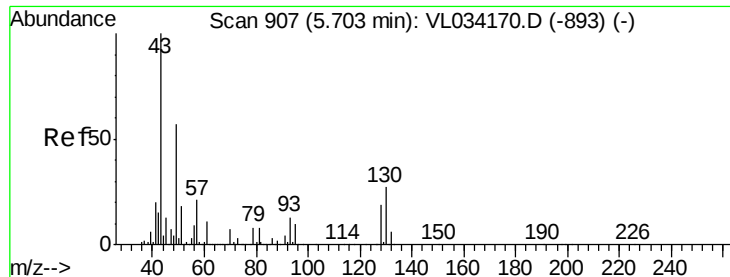
Instrument :
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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 49 Resp: 1019846

Ion Ratio Lower Upper

49 100

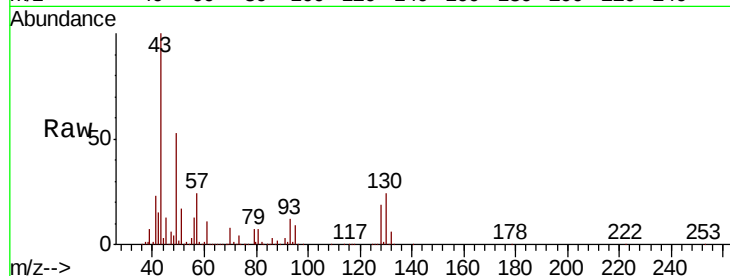
128 35.6 17.6 52.9

130 45.6 22.3 66.9

Manual Integrations
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10/16/2019 12:59:15 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

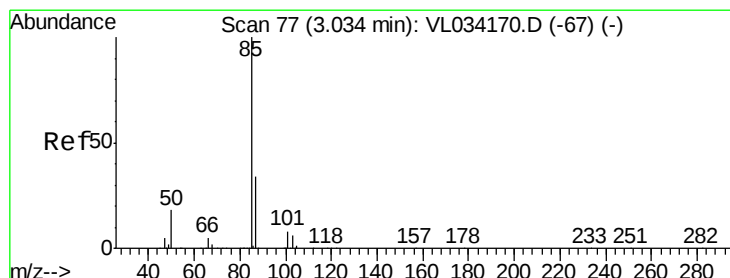
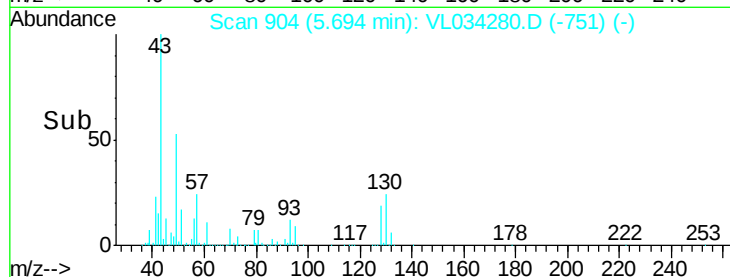
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 11.846 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034280.D

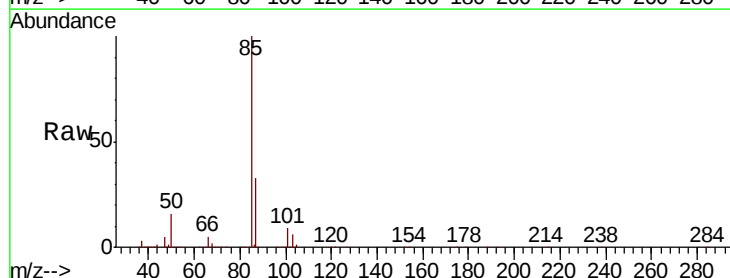
Acq: 14 Oct 2019 13:19

Tgt Ion: 85 Resp: 1784469

Ion Ratio Lower Upper

85 100

87 33.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

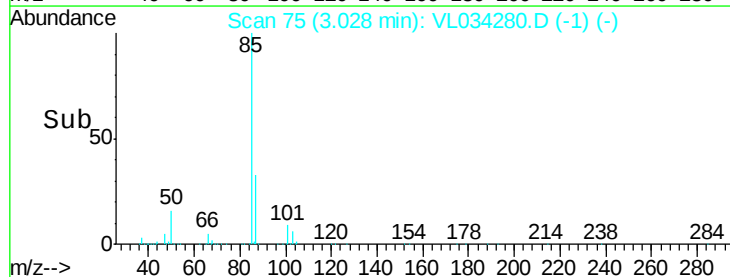
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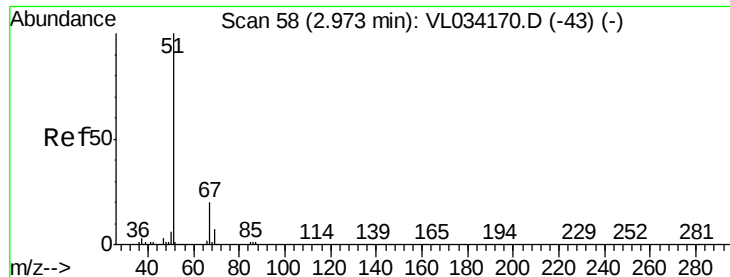
500000

0

3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 9.704 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 51 Resp: 1160390

Ion Ratio Lower Upper

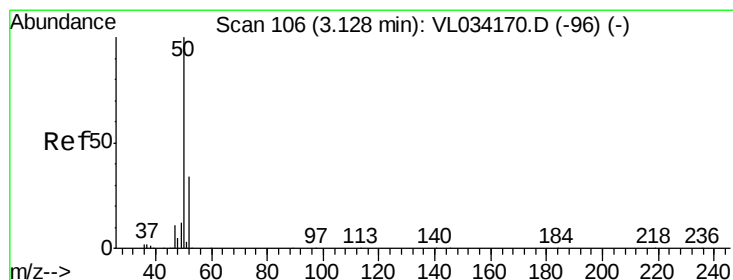
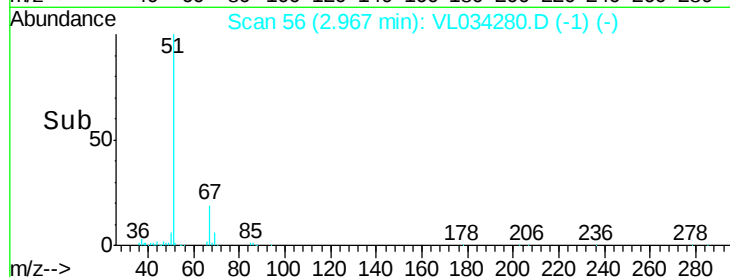
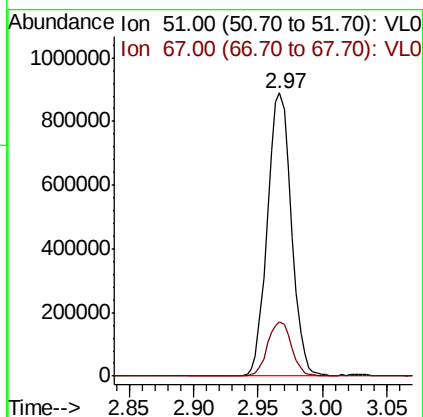
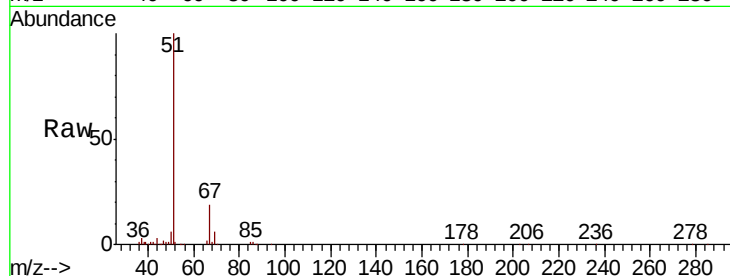
51 100

67 19.2 14.8 22.2

Manual Integrations
APPROVED

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10/16/2019 12:59:15 AM



#4

Chloromethane

Concen: 9.988 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034280.D

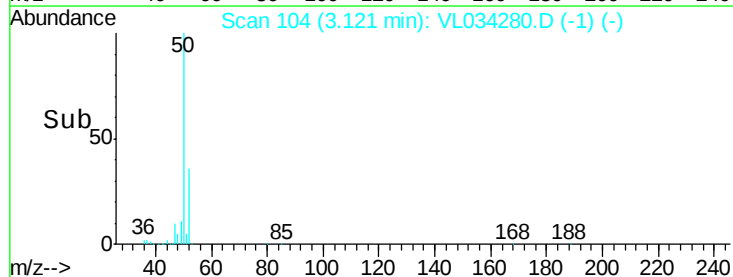
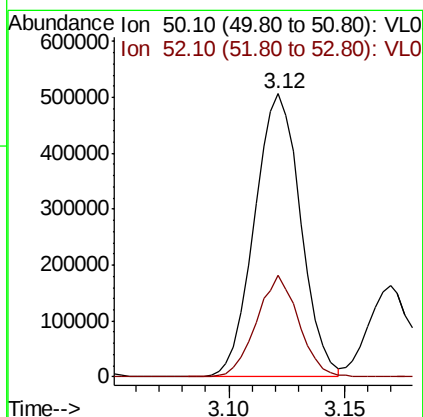
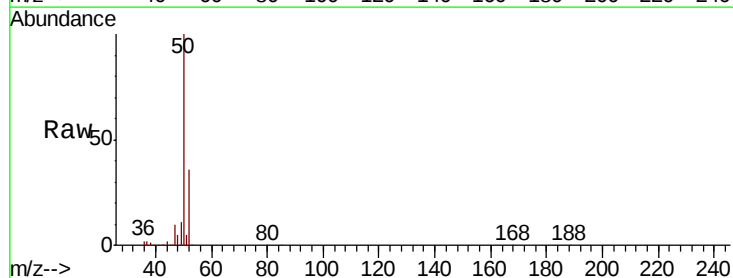
Acq: 14 Oct 2019 13:19

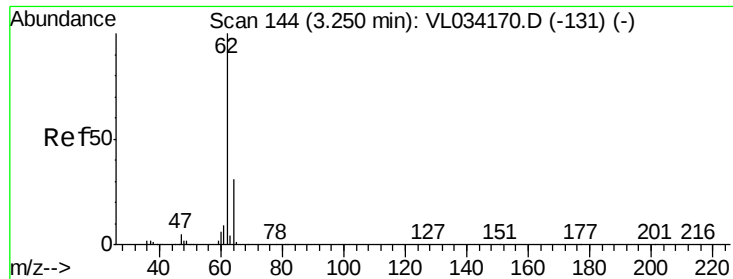
Tgt Ion: 50 Resp: 701820

Ion Ratio Lower Upper

50 100

52 35.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.922 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleID :

VL1014ABS01

Tot Ion: 62 Resp: 637152

Ion Ratio Lower Upper

62 100

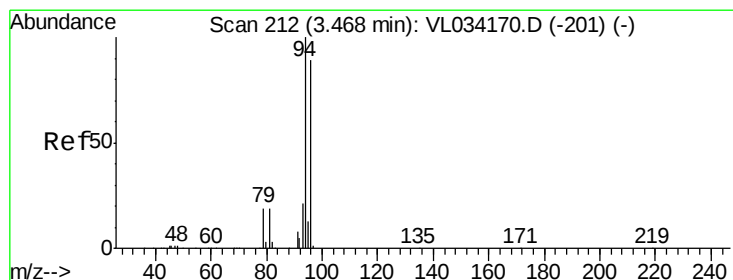
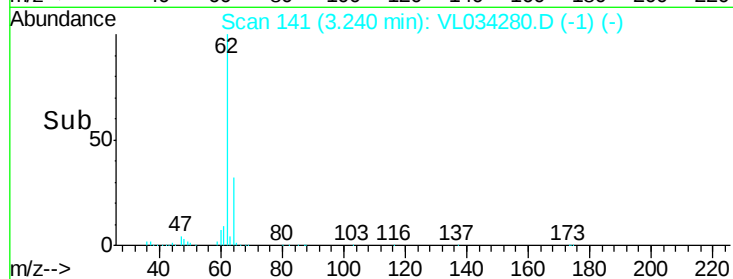
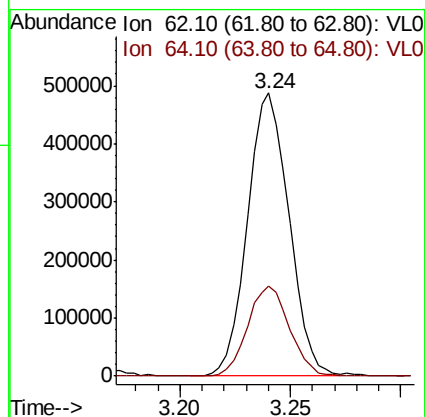
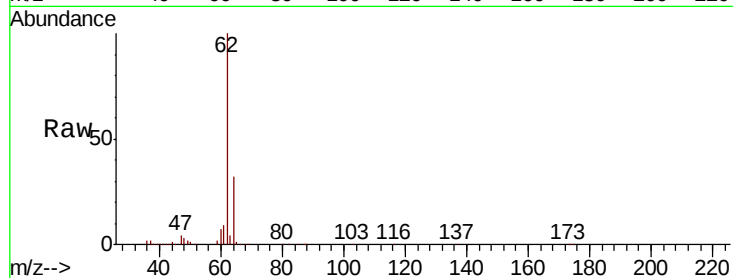
64 31.7 25.2 37.8

Manual Integrations

APPROVED

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10/16/2019 12:59:15 AM



#6

Bromomethane

Concen: 10.210 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034280.D

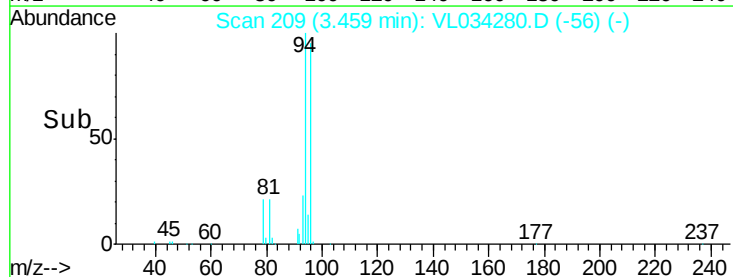
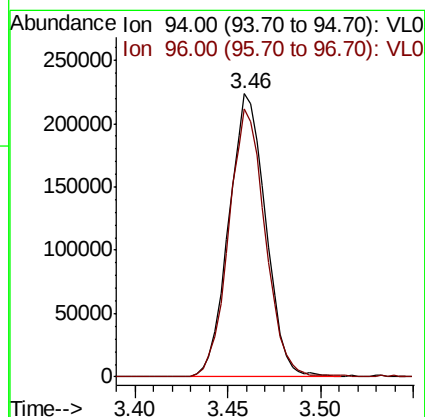
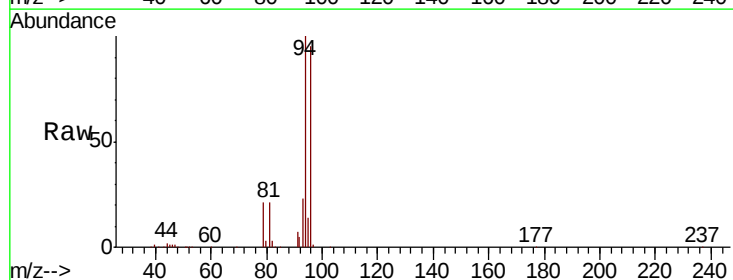
Acq: 14 Oct 2019 13:19

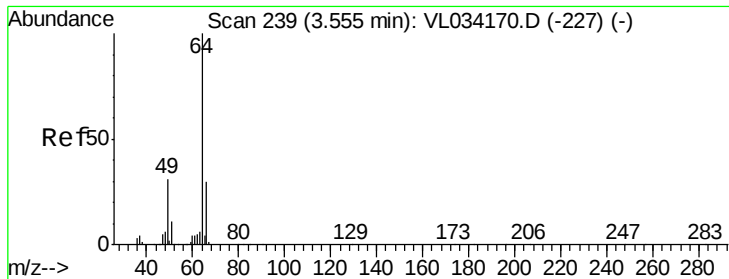
Tgt Ion: 94 Resp: 305898

Ion Ratio Lower Upper

94 100

96 94.7 71.3 106.9





#7

Chloroethane

Concen: 10.342 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 64 Resp: 232145

Ion Ratio Lower Upper

64 100

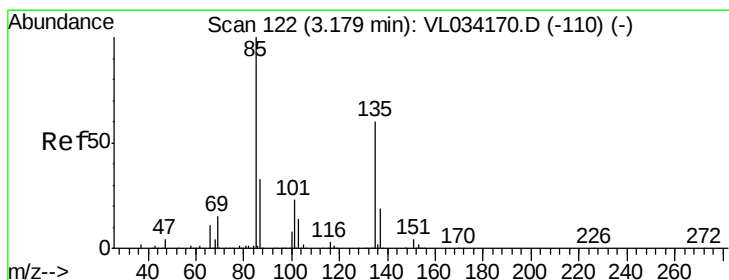
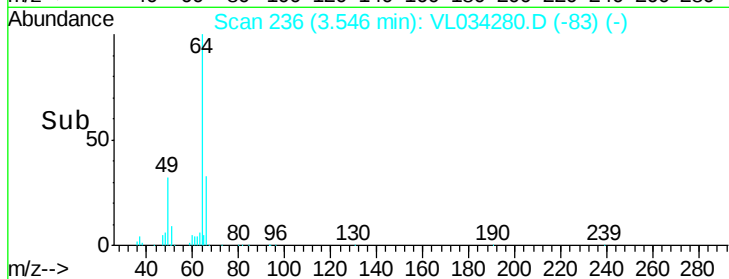
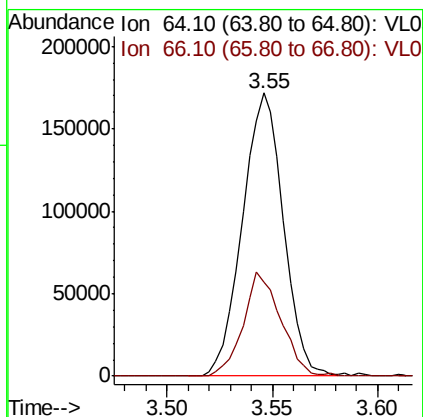
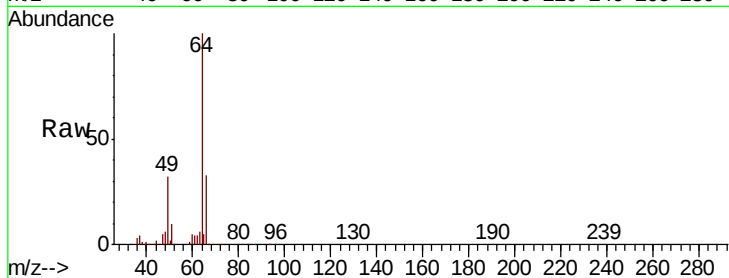
66 33.1 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.288 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034280.D

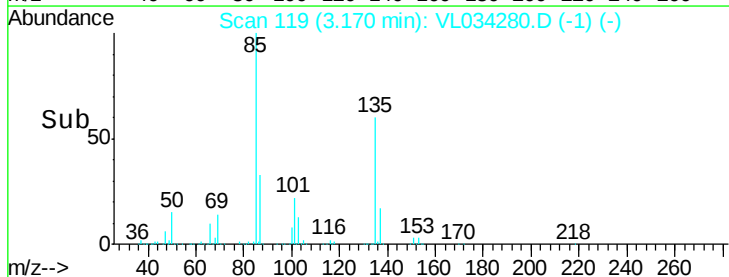
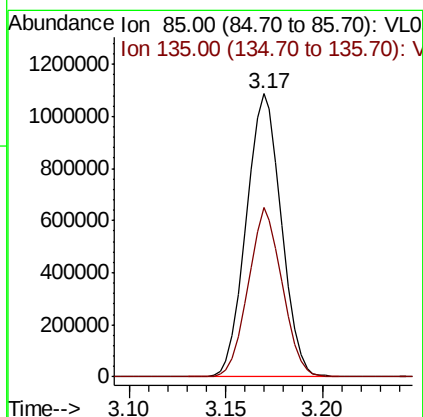
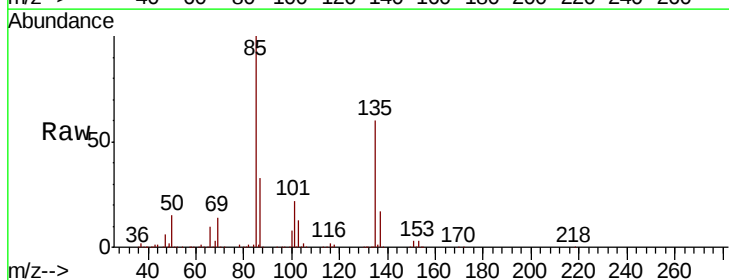
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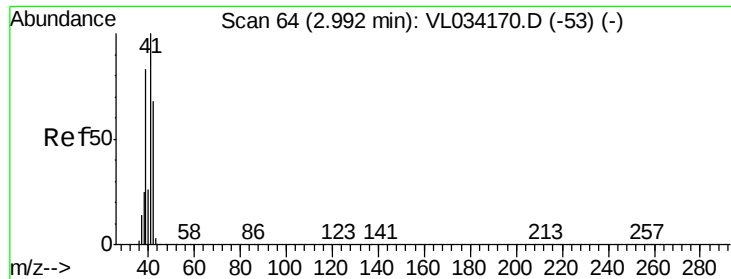
Tgt Ion: 85 Resp: 1367829

Ion Ratio Lower Upper

85 100

135 57.9 47.3 70.9





#9

Propene

Concen: 9.361 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 41 Resp: 552245

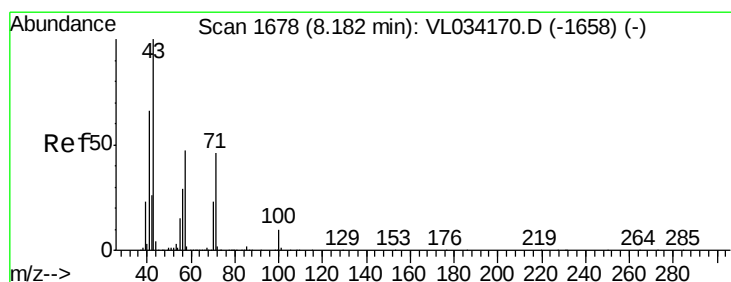
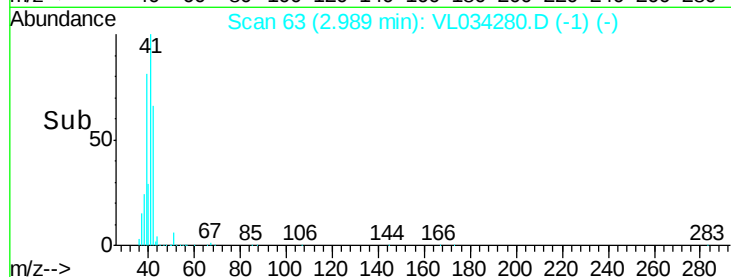
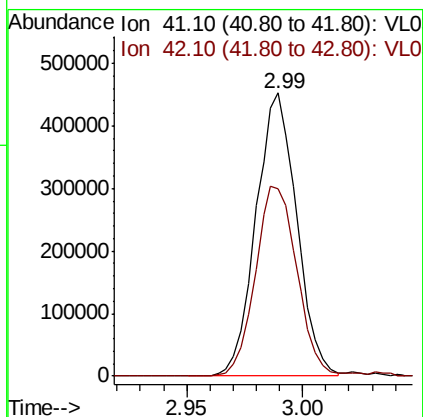
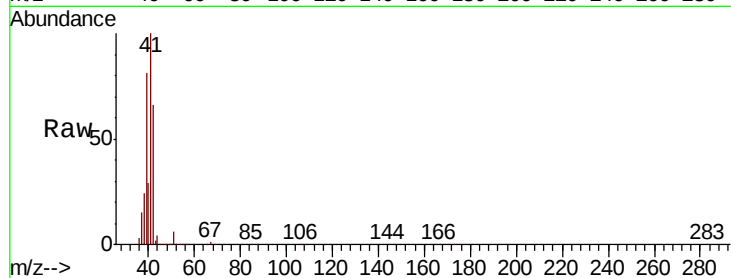
Ion Ratio Lower Upper

41 100

42 70.0 55.8 83.6

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10/16/2019 12:59:15 AM



#10

Heptane

Concen: 9.534 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VL034280.D

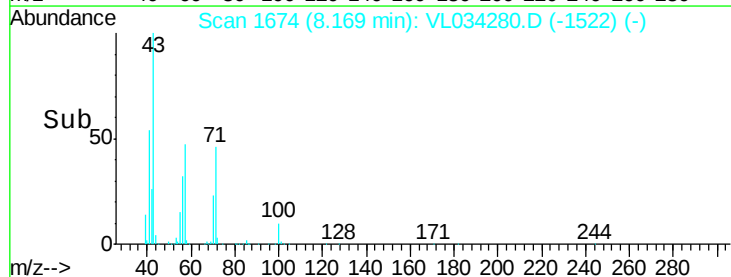
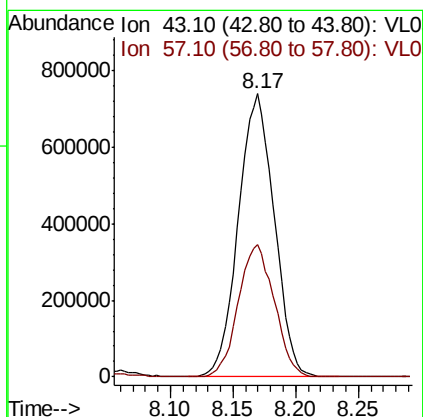
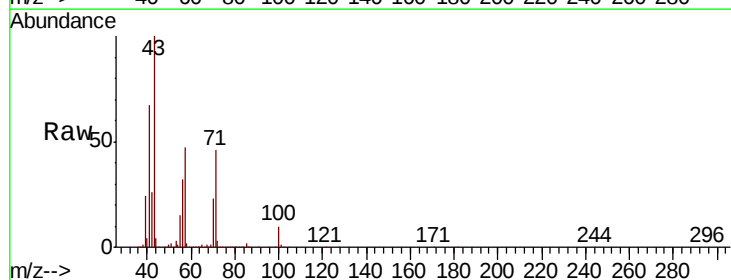
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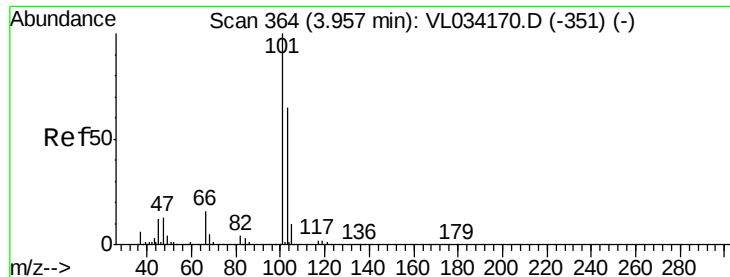
Tgt Ion: 43 Resp: 1465954

Ion Ratio Lower Upper

43 100

57 47.1 37.5 56.3





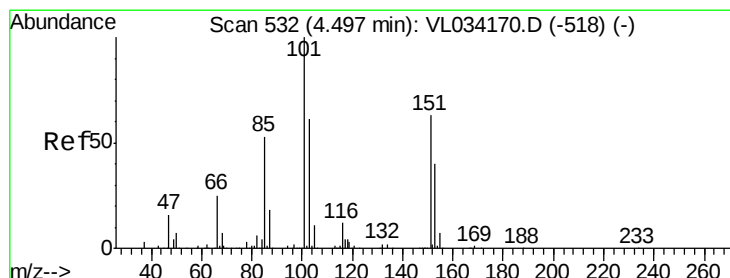
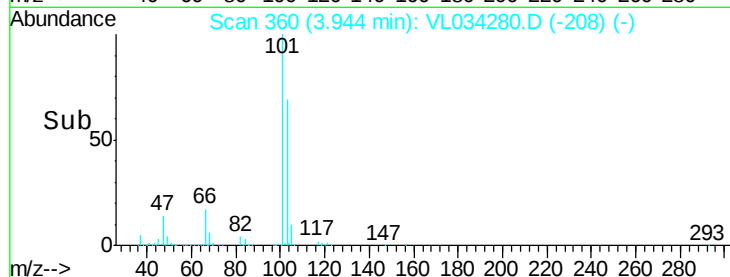
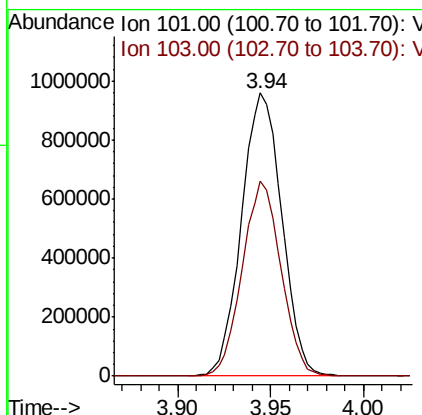
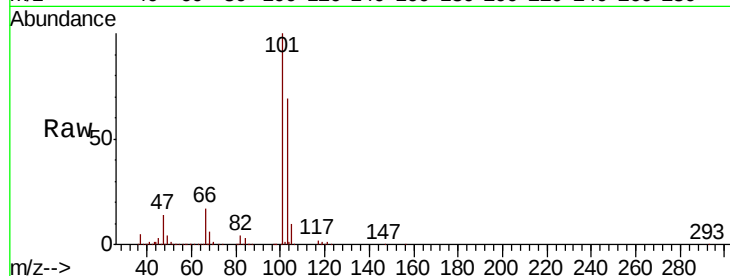
#11
 Trichlorofluoromethane
 Concen: 10.548 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion:101 Resp: 1446389
 Ion Ratio Lower Upper
 101 100
 103 68.9 52.1 78.1

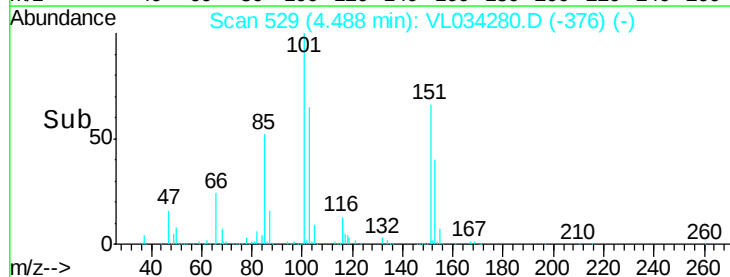
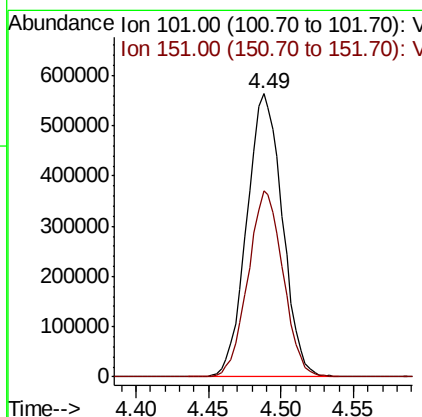
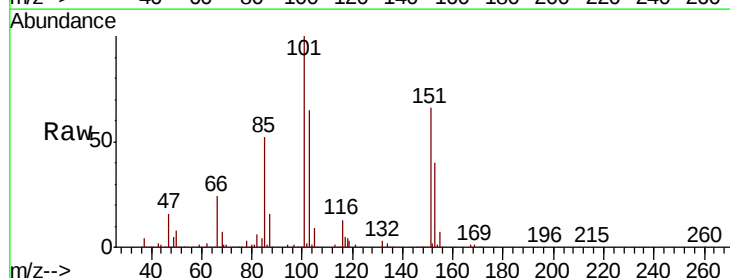
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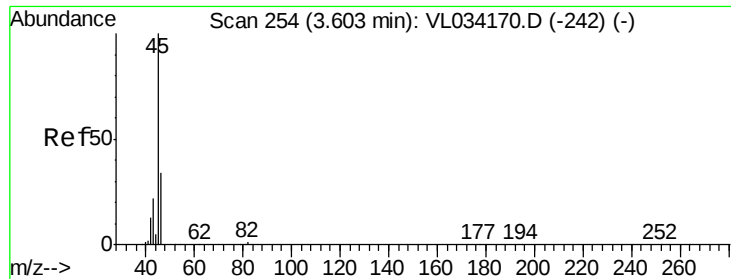
MMDadoda
 10/16/2019 12:59:15 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.729 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion:101 Resp: 962761
 Ion Ratio Lower Upper
 101 100
 151 65.0 51.8 77.8





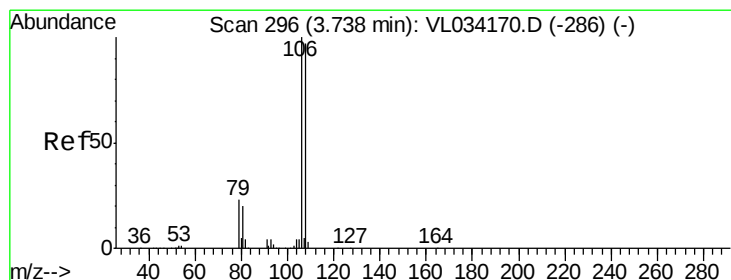
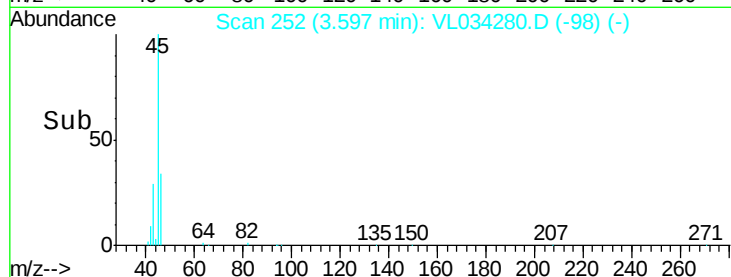
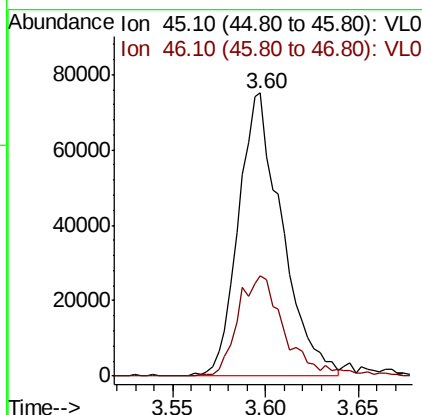
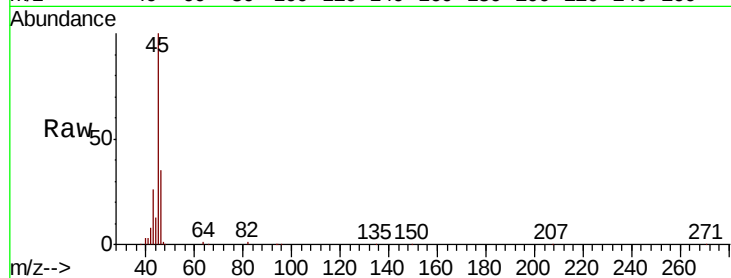
#13
Ethanol
Concen: 8.619 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.9	15.5	61.9

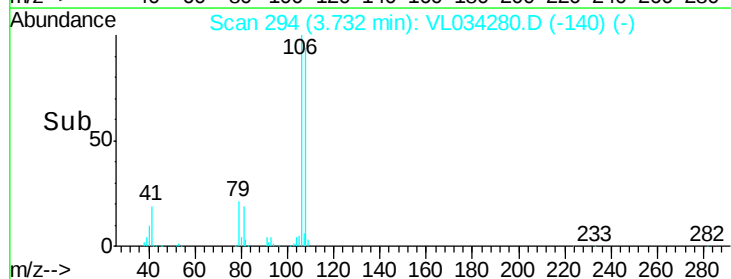
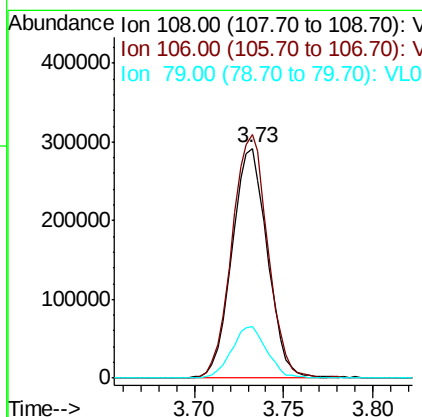
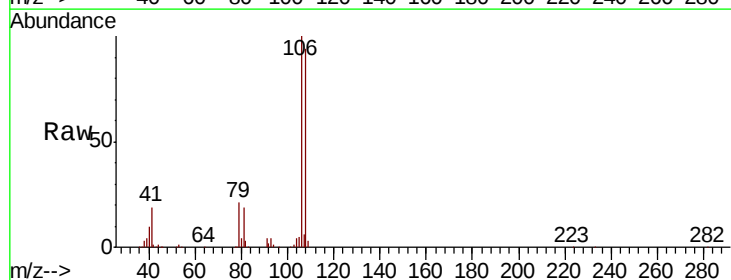
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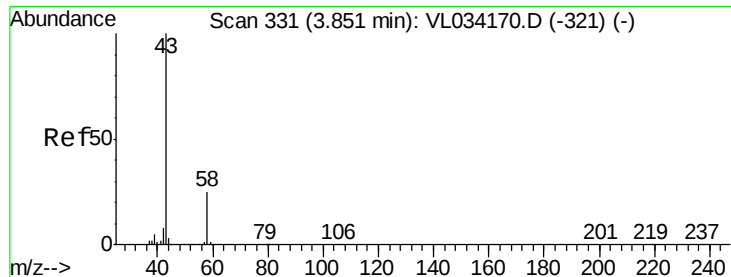
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#14
Bromoethene
Concen: 10.941 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.8	86.2	129.4
79	22.4	18.6	27.8





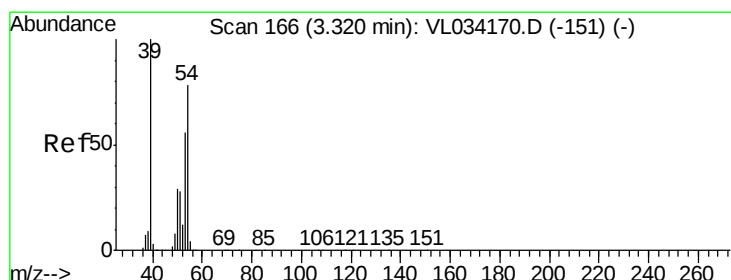
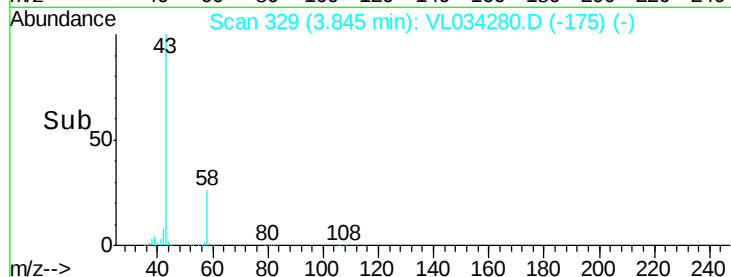
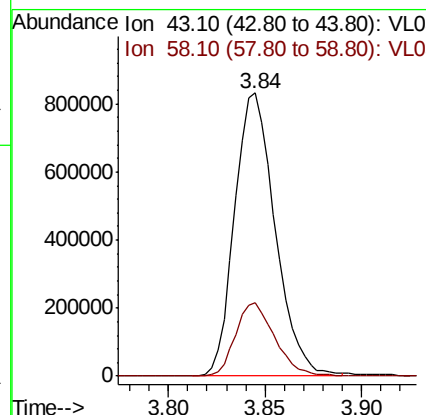
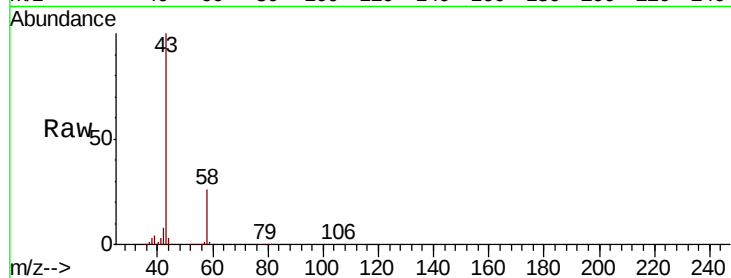
#15
Acetone
Concen: 8.866 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion: 43 Resp: 1211870
Ion Ratio Lower Upper
43 100
58 25.2 20.5 30.7

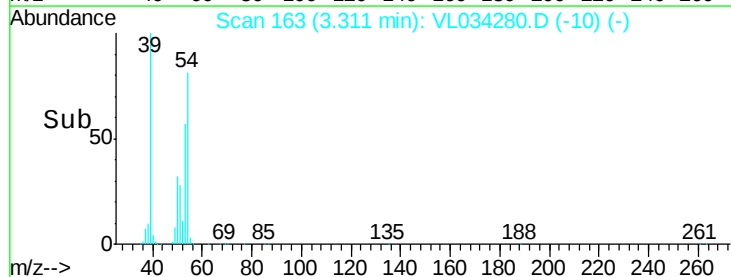
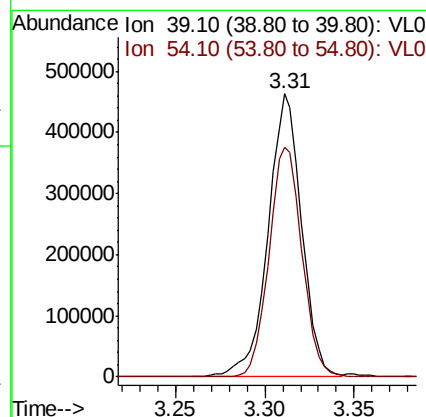
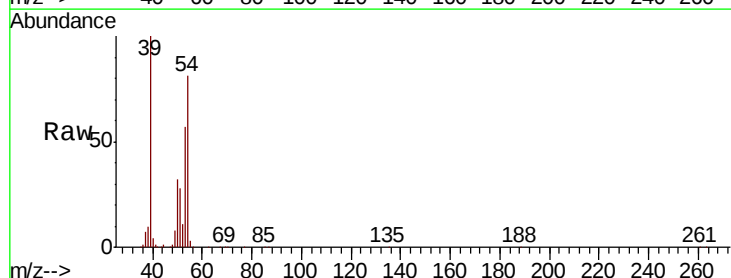
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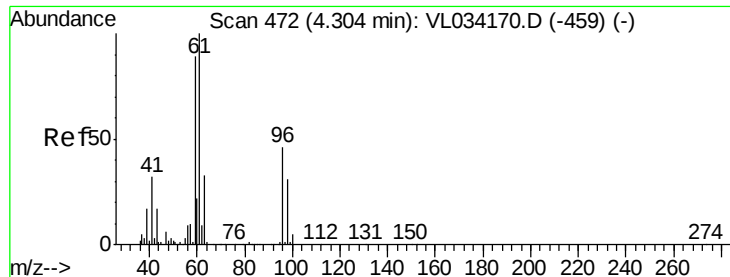
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#16
1,3-Butadiene
Concen: 10.217 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 39 Resp: 609433
Ion Ratio Lower Upper
39 100
54 80.3 63.4 95.0





#17

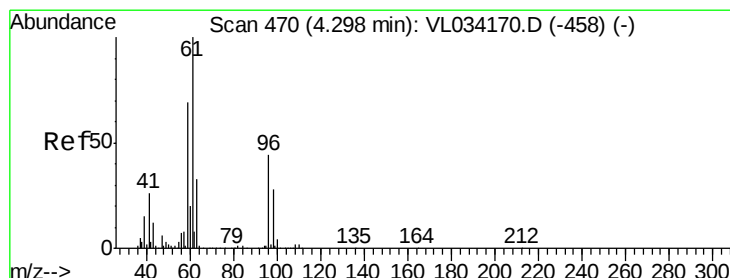
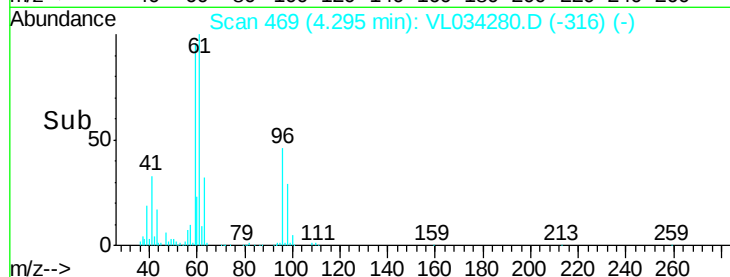
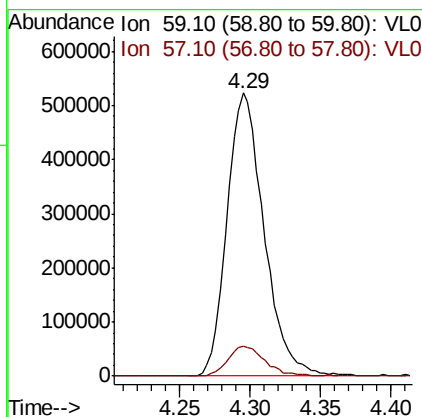
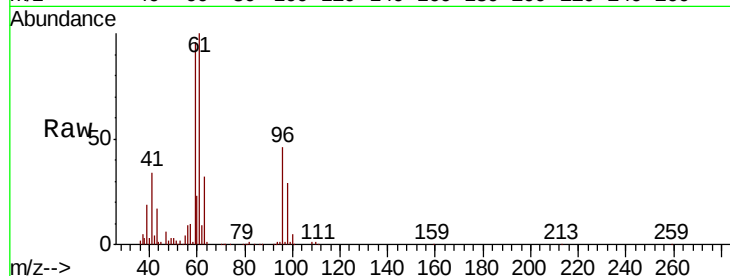
tert-Butyl alcohol
 Concen: 11.044 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

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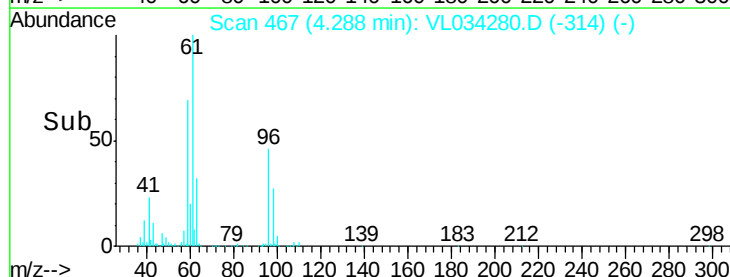
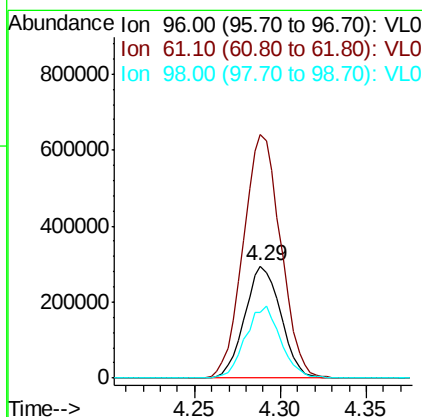
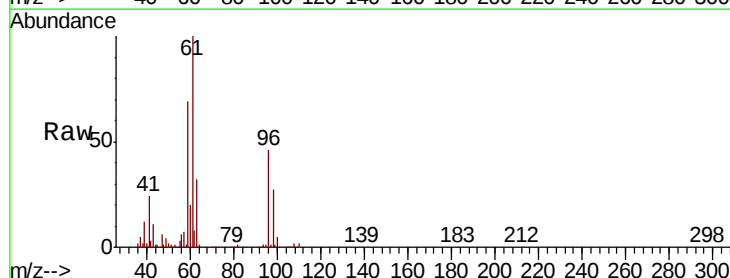
MMDadoda
 10/16/2019 12:59:15 AM

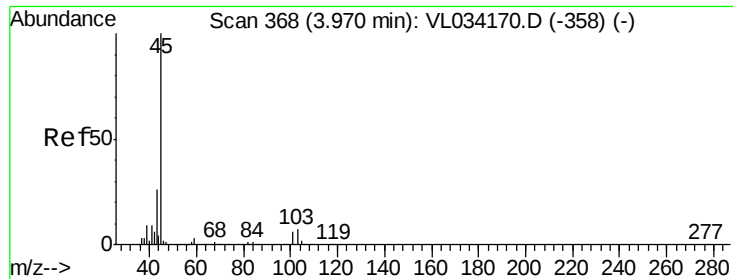


#18

1,1-Dichloroethene
 Concen: 11.004 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	217.8	183.3	274.9
98	58.3	51.4	77.2





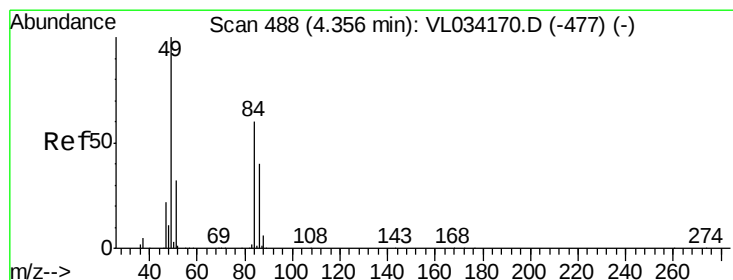
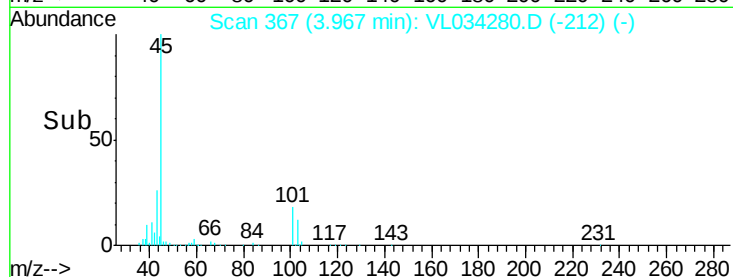
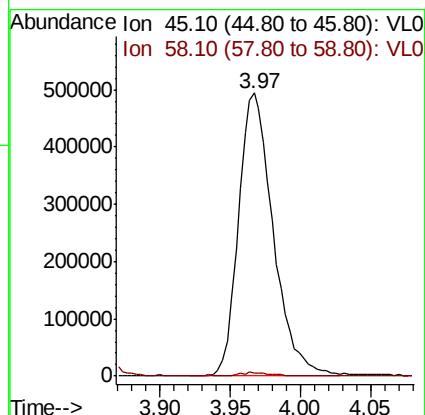
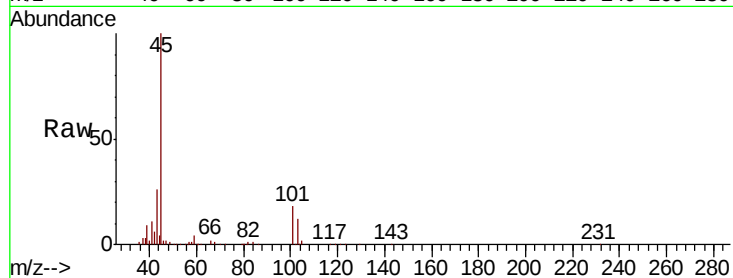
#19
Isopropyl Alcohol
Concen: 10.131 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion: 45 Resp: 851588
Ion Ratio Lower Upper
45 100
58 1.7 1.4 2.0

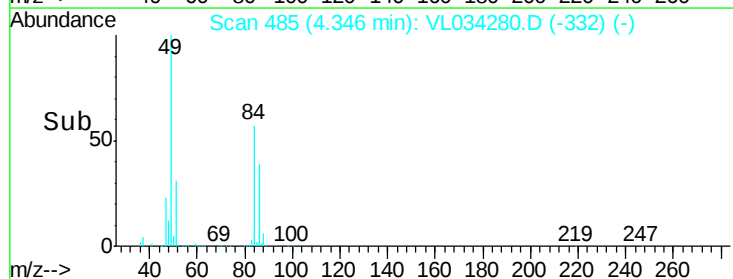
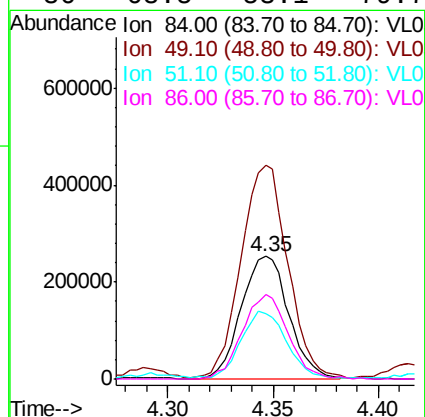
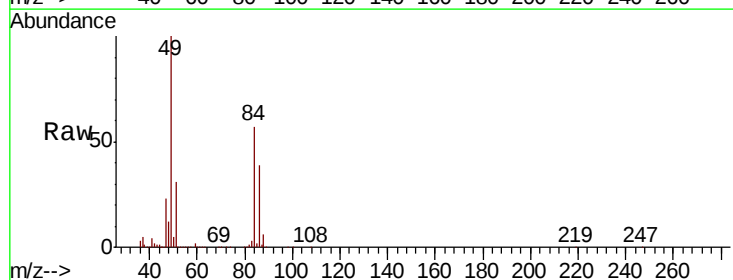
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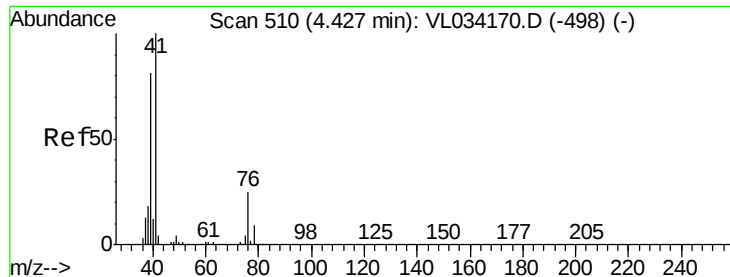
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#20
Methylene Chloride
Concen: 10.044 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 84 Resp: 395834
Ion Ratio Lower Upper
84 100
49 173.1 133.8 200.8
51 52.3 43.6 65.4
86 68.5 53.1 79.7





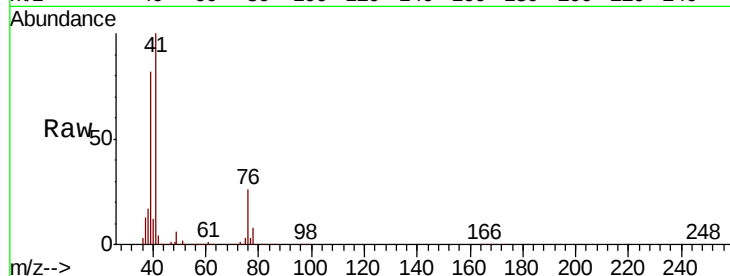
#21
Allvl Chloride
Concen: 10.883 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

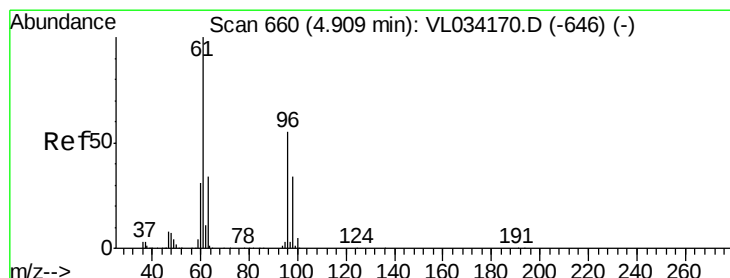
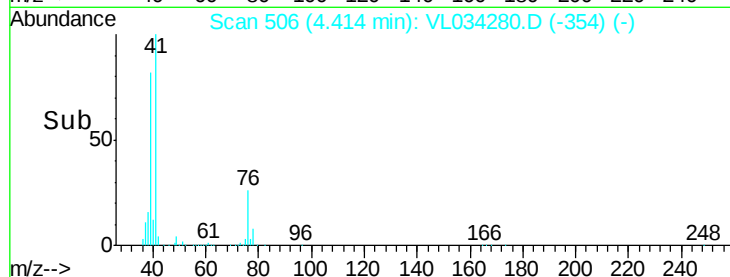
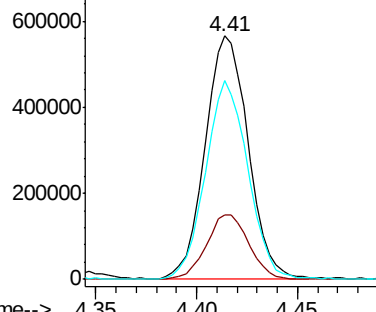
Tot Ion	Ratio	Lower	Upper
41	100		
76	26.6	21.8	32.6
39	81.2	64.8	97.2

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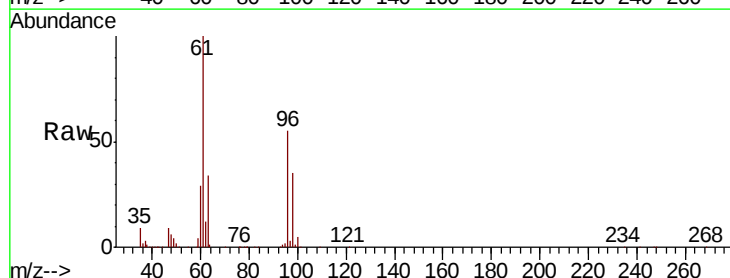


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

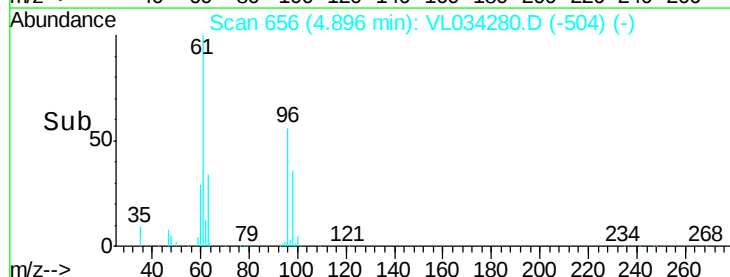
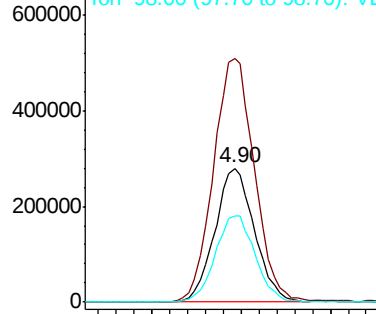


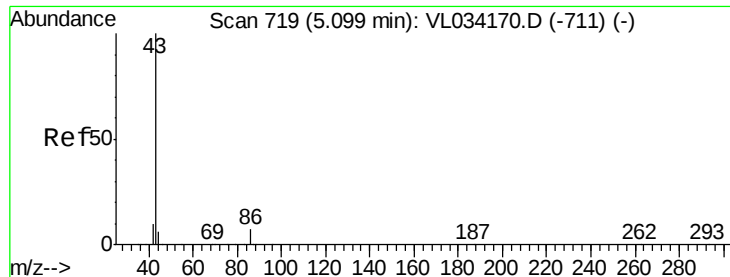
#22
trans-1,2-Dichloroethene
Concen: 11.083 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.6	145.5	218.3
98	64.2	49.9	74.9



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.686 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 43 Resp: 1950904

Ion Ratio Lower Upper

43 100

86 6.6 5.1 7.7

42 10.6 8.6 12.8

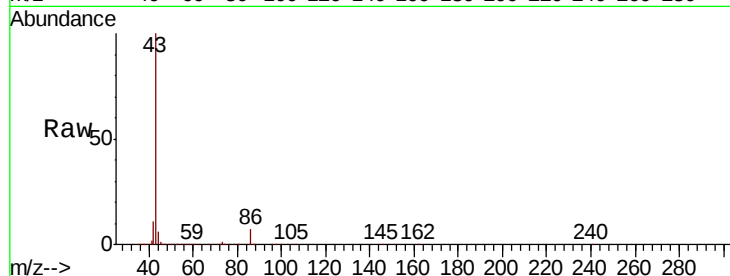
44 5.7 4.7 7.1

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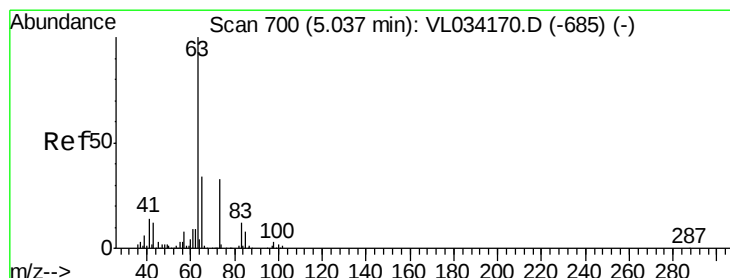
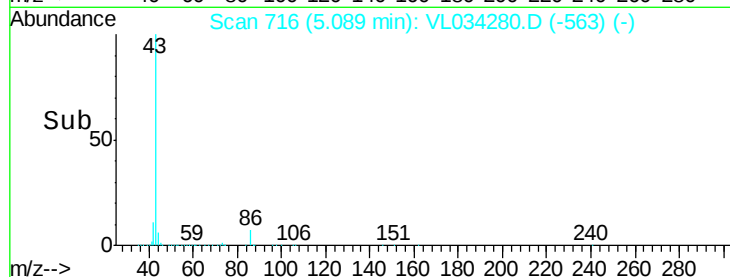
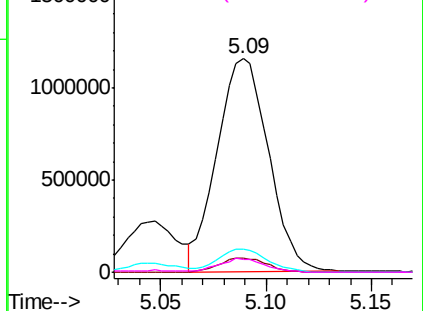


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.914 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

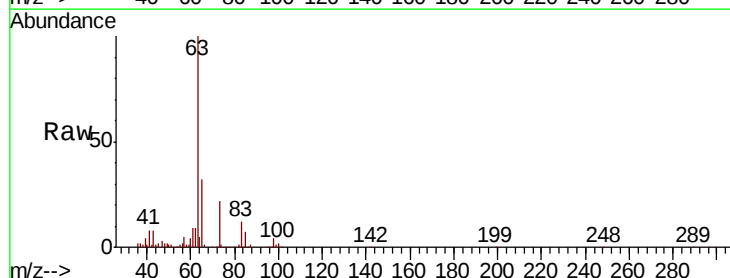
Tgt Ion: 63 Resp: 1344523

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.3

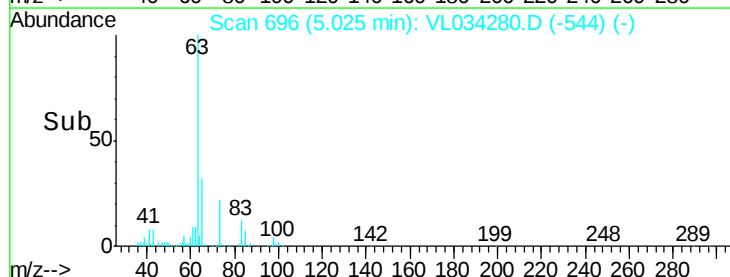
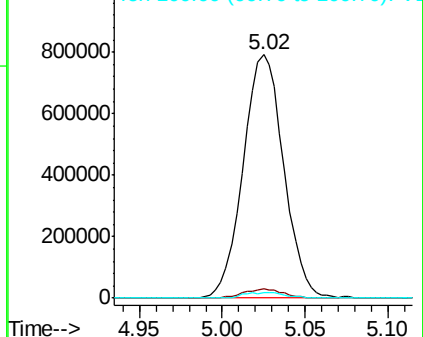
100 2.3 1.0 3.0

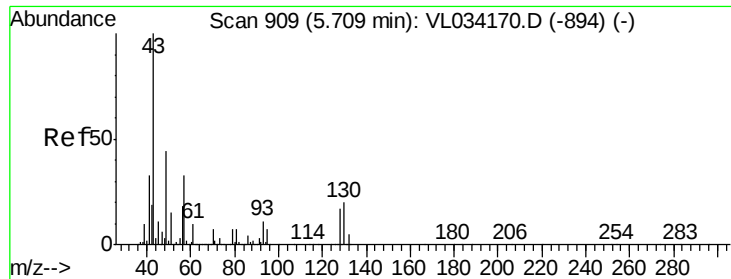


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.511 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 43 Resp: 2458228

Ion Ratio Lower Upper

43 100

45 10.4 8.4 12.6

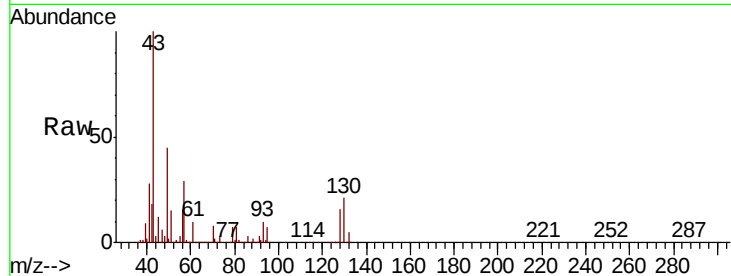
61 9.1 7.2 10.8

70 6.7 5.3 7.9

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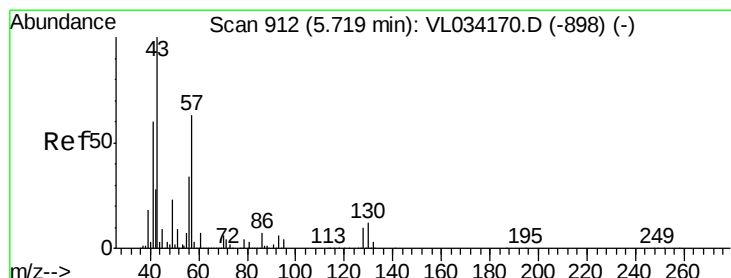
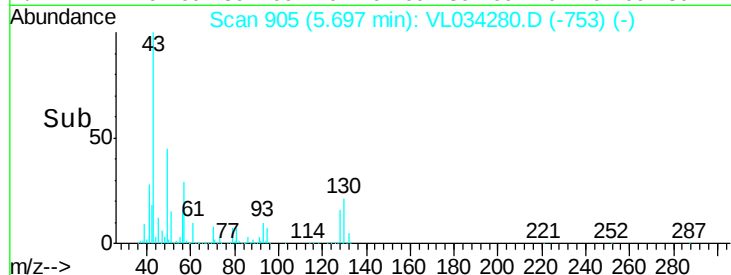
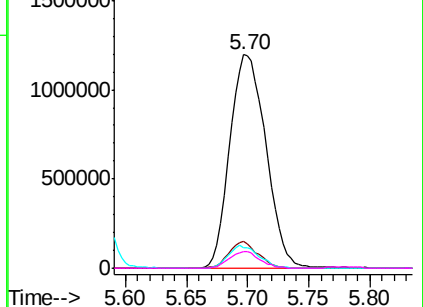


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.668 ppbv

RT: 5.71 min Scan# 909

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Tgt Ion: 57 Resp: 1039530

Ion Ratio Lower Upper

57 100

41 96.4 78.5 117.7

43 237.7 189.5 284.3

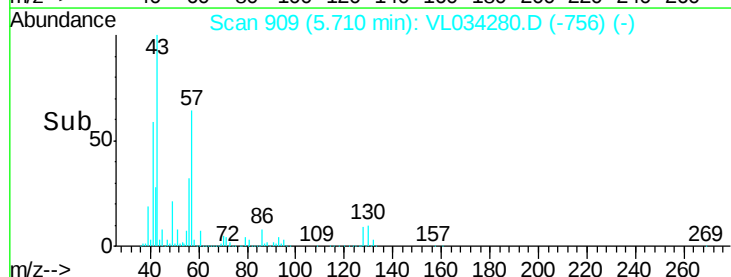
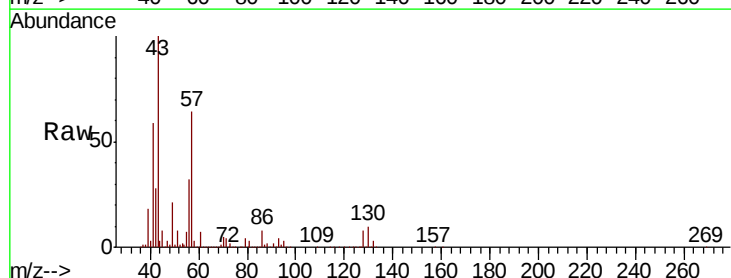
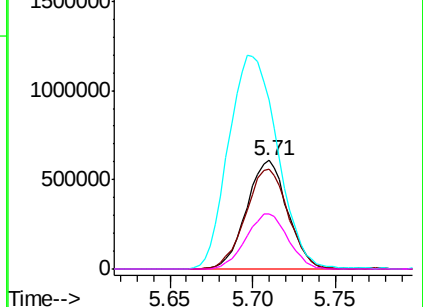
56 52.5 43.2 64.8

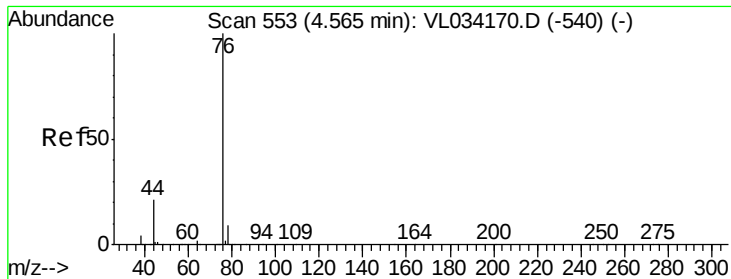
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 11.623 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 76 Resp: 1152573

Ion Ratio Lower Upper

76 100

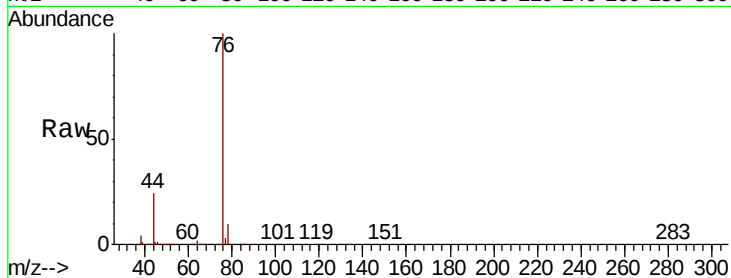
44 21.6 17.6 26.4

78 9.1 7.6 11.4

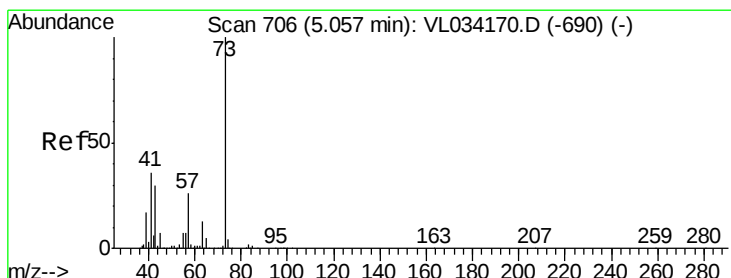
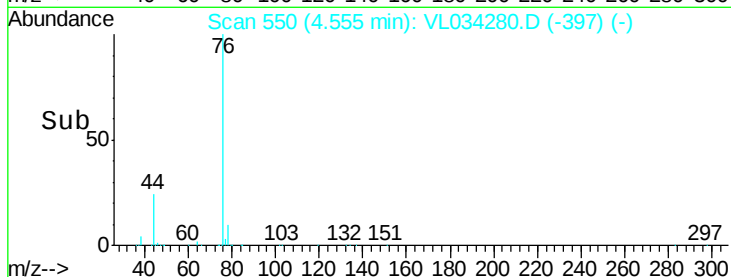
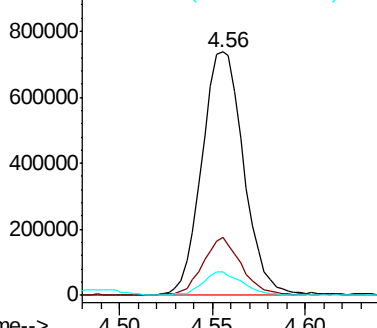
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.514 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL034280.D

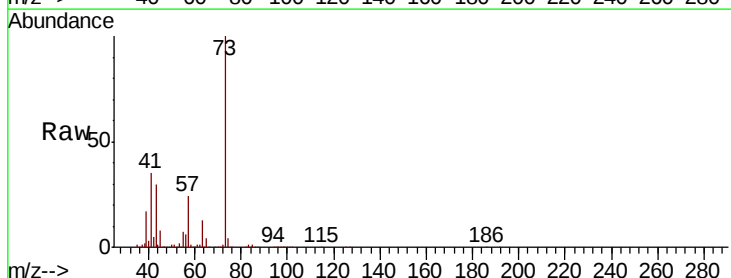
Acq: 14 Oct 2019 13:19

Tgt Ion: 73 Resp: 1679021

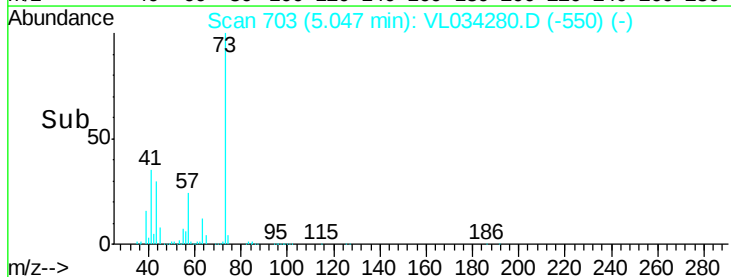
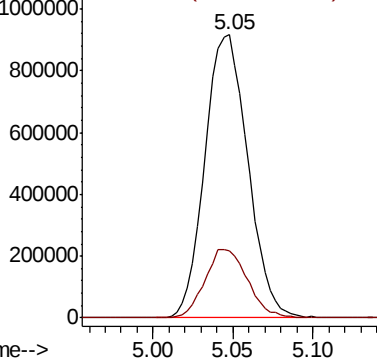
Ion Ratio Lower Upper

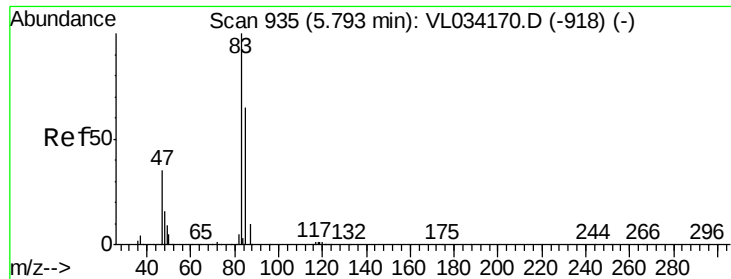
73 100

57 24.1 20.2 30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





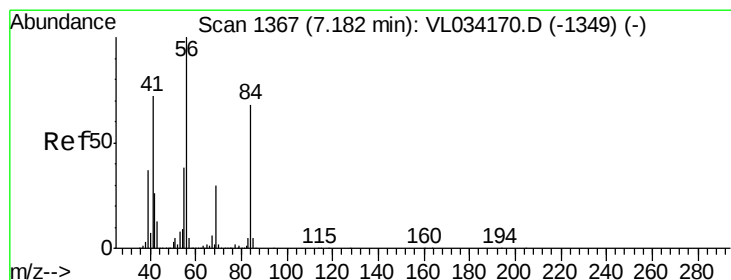
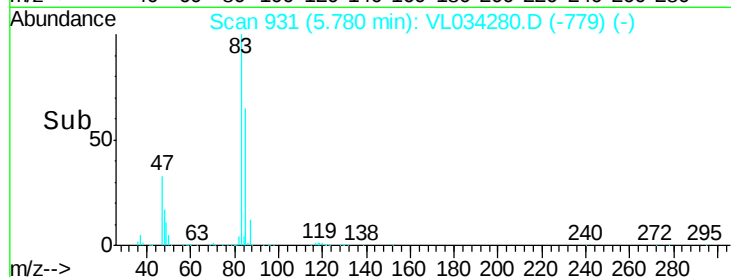
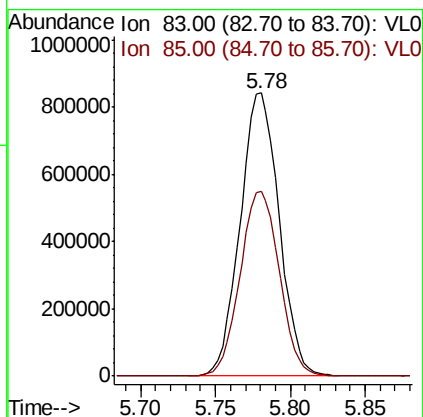
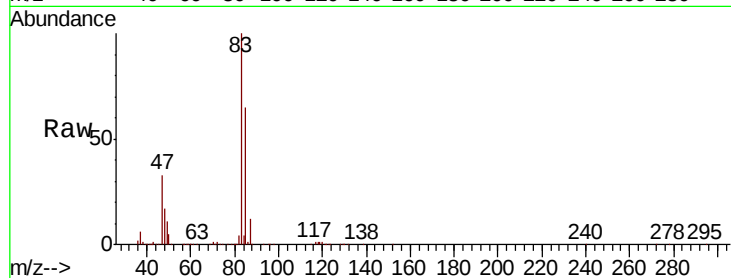
#29
Chloroform
Concen: 9.944 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion: 83 Resp: 1527893
Ion Ratio Lower Upper
83 100
85 65.2 52.3 78.5

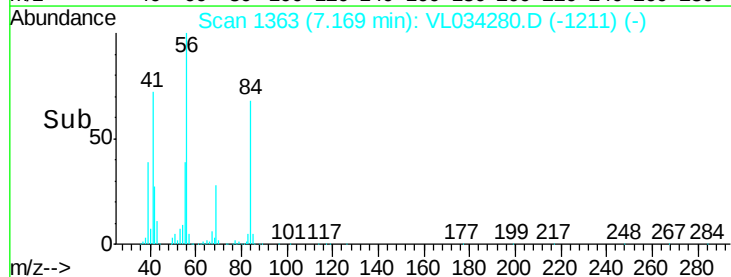
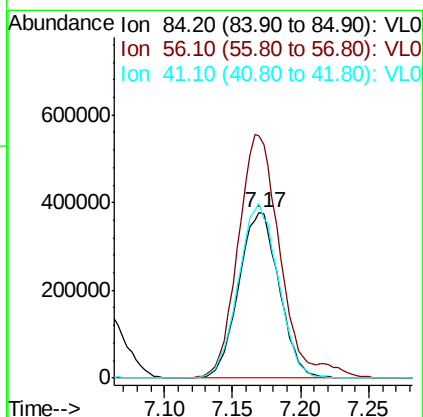
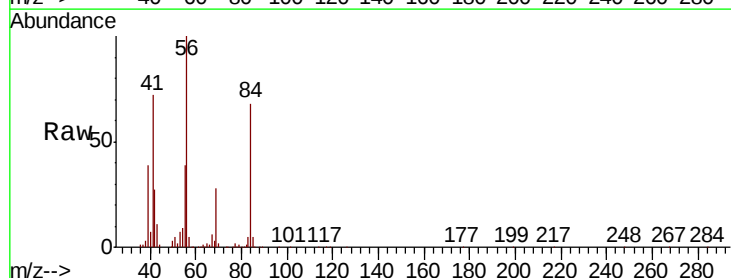
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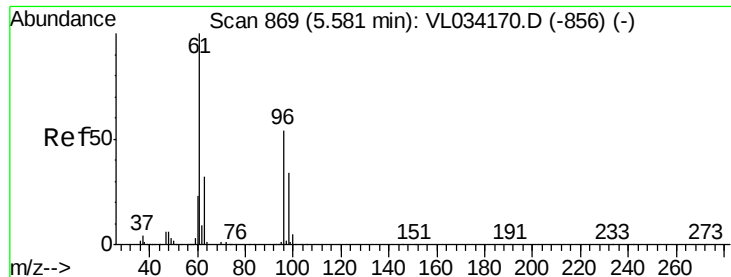
MMDadoda
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#30
Cyclohexane
Concen: 10.007 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 84 Resp: 776835
Ion Ratio Lower Upper
84 100
56 153.8 126.2 189.2
41 104.3 85.8 128.8





#31

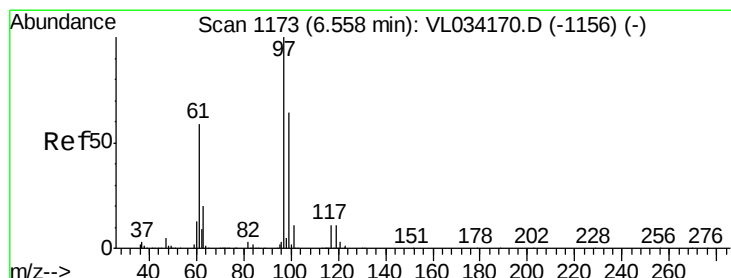
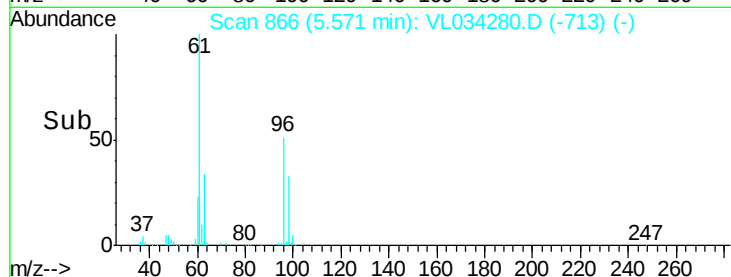
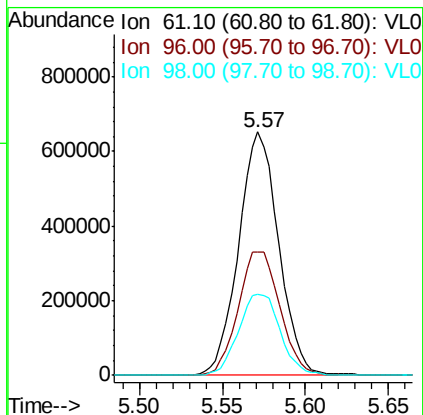
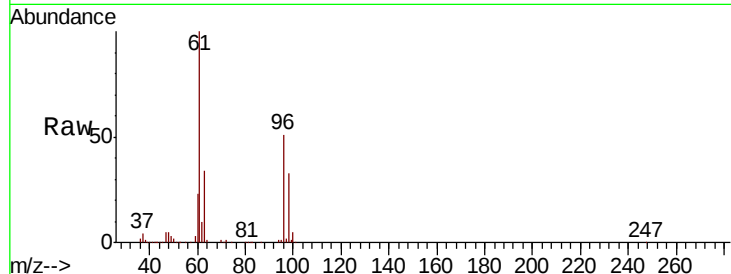
cis-1,2-Dichloroethene
Concen: 9.982 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	50.7	43.0	64.4
98	33.1	27.2	40.8

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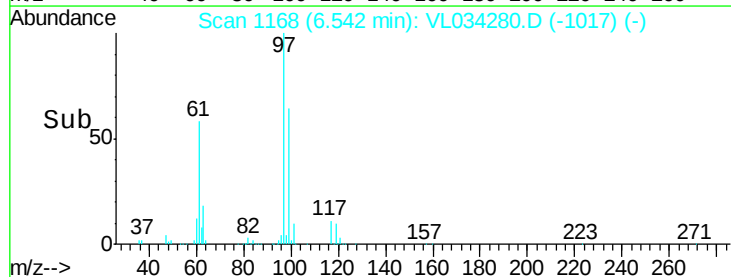
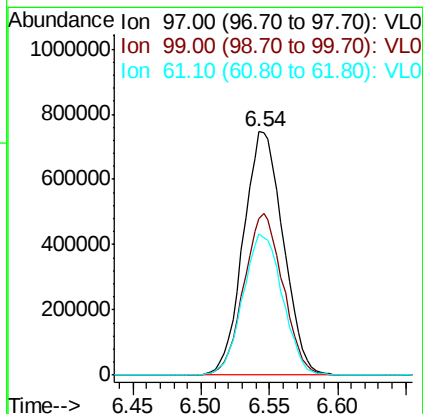
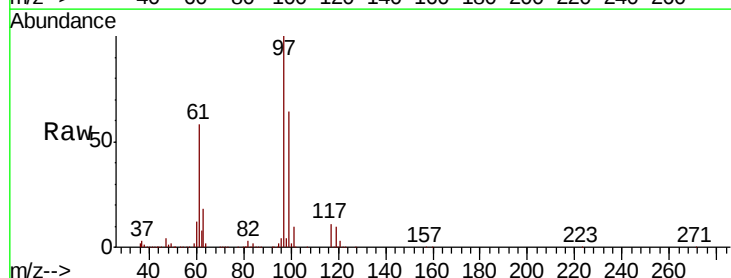
MMDadoda
10/16/2019 12:59:15 AM

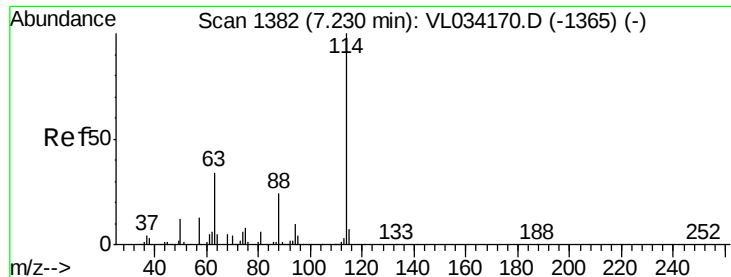


#32

1,1,1-Trichloroethane
Concen: 10.219 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.2
61	57.8	48.4	72.6





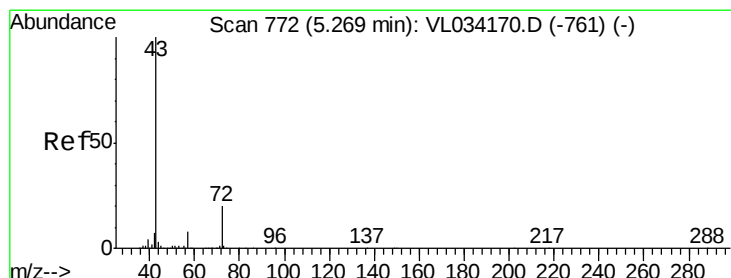
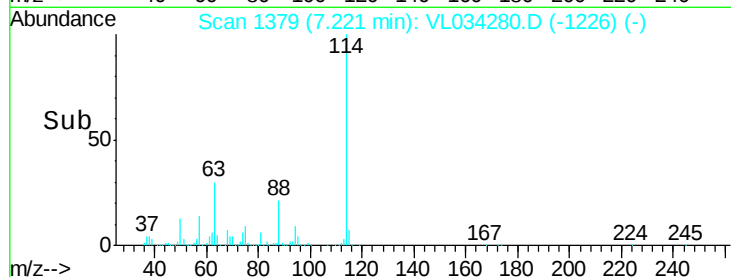
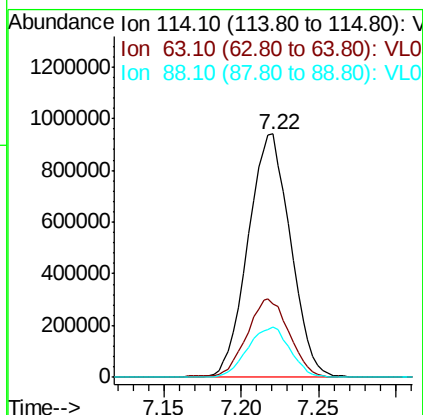
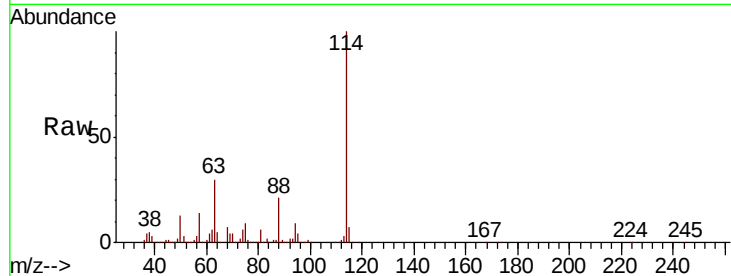
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	32.6	27.8	41.6
88	20.8	17.1	25.7

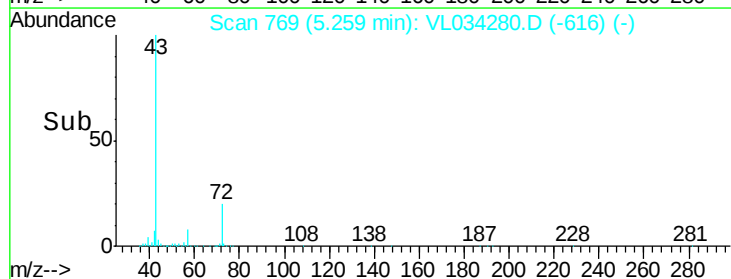
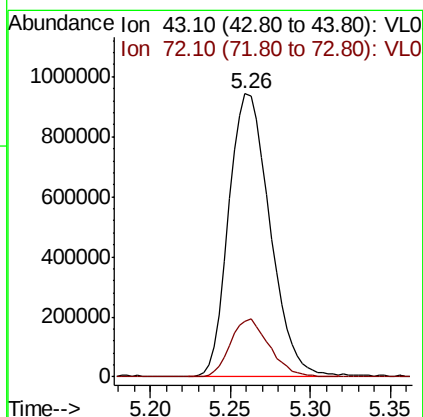
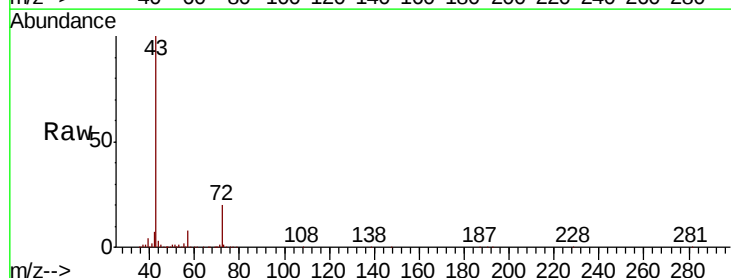
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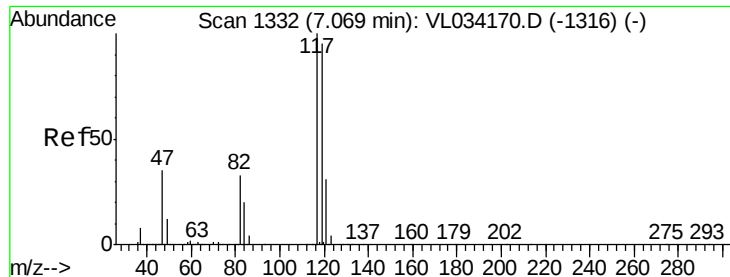
MMDadoda
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#34
 2-Butanone
 Concen: 9.018 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.3	15.0	22.6





#35

Carbon Tetrachloride

Concen: 9.998 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion:117 Resp: 1492439

Ion Ratio Lower Upper

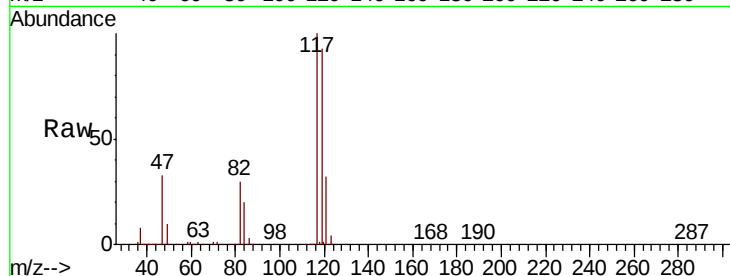
117 100

119 93.3 75.8 113.6

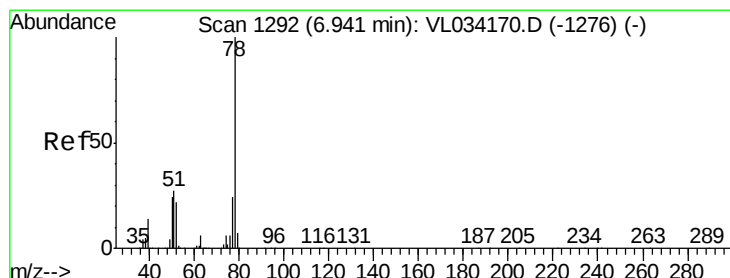
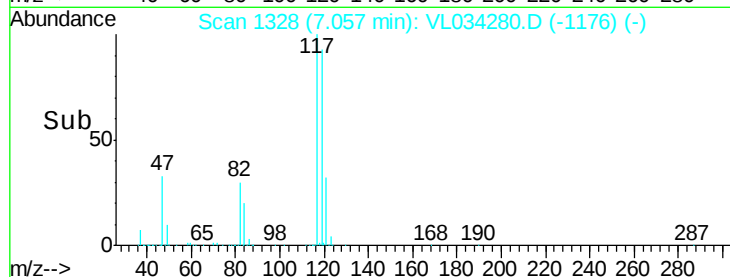
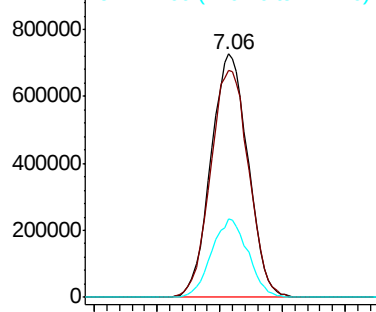
121 32.1 25.0 37.6

Manual Integrations
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MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V
1000000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.399 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

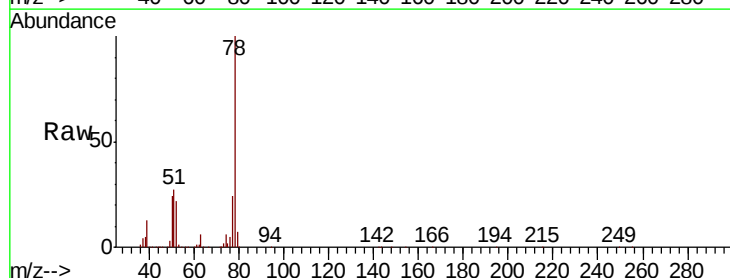
Tgt Ion: 78 Resp: 1865072

Ion Ratio Lower Upper

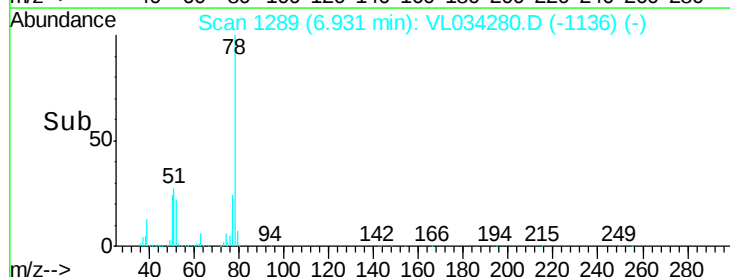
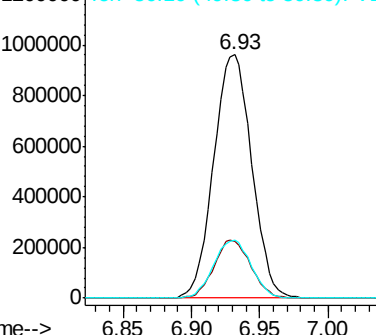
78 100

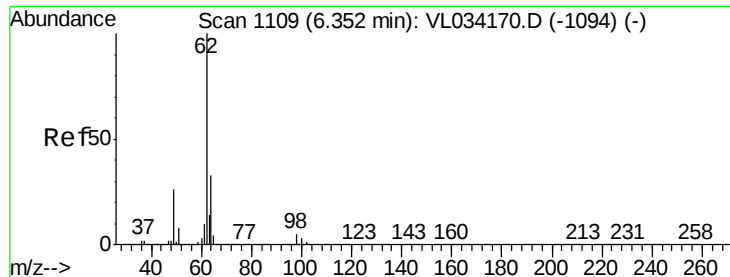
77 23.5 19.0 28.4

50 24.1 18.9 28.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
1200000 Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





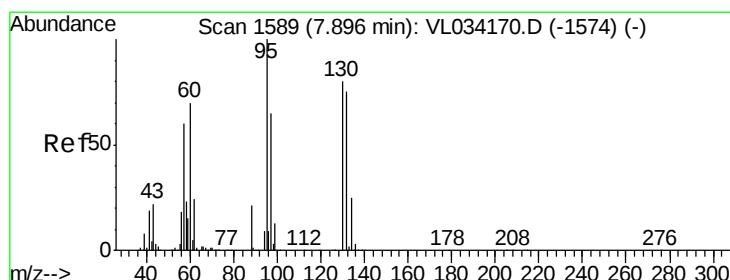
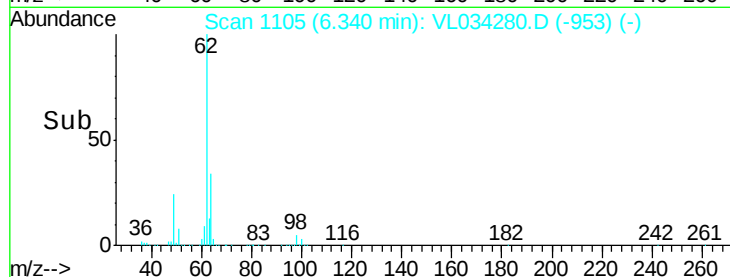
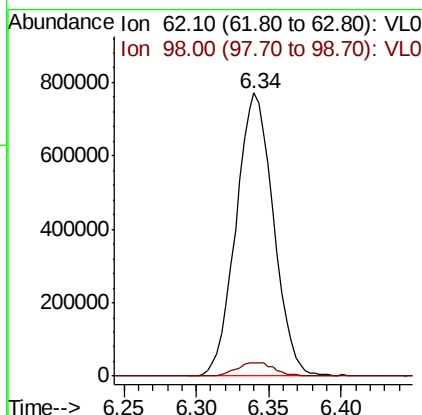
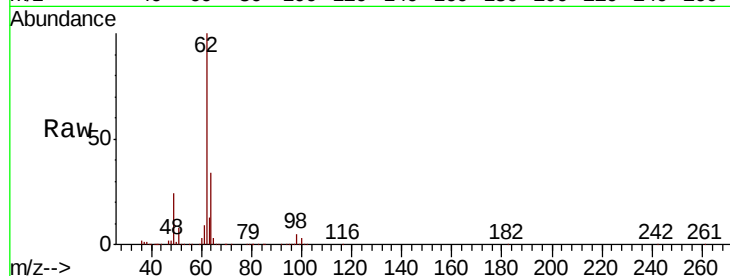
#37
 1,2-Dichloroethane
 Concen: 9.790 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion: 62 Resp: 1381775
 Ion Ratio Lower Upper
 62 100
 98 4.9 3.8 5.8

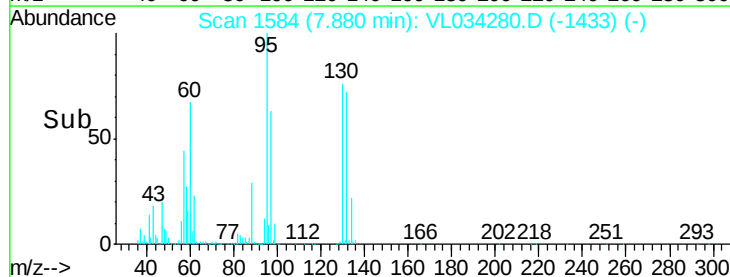
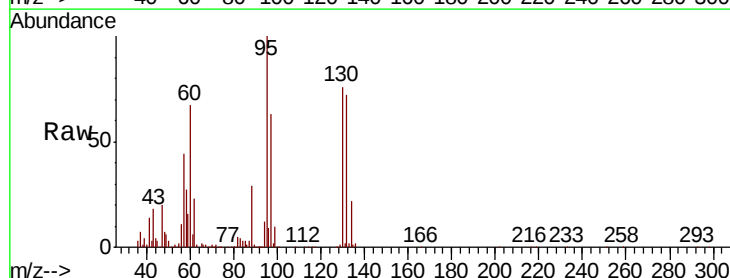
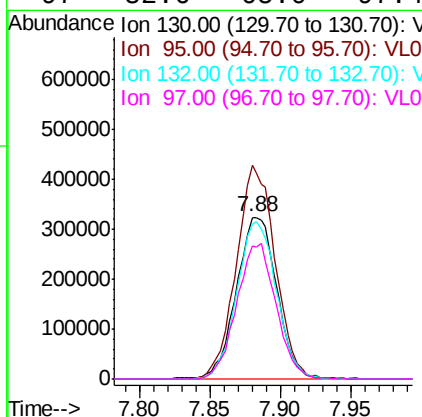
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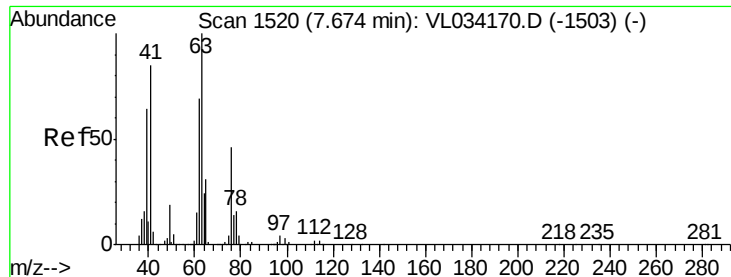
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#38
 Trichloroethene
 Concen: 9.146 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. -0.02 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion: 130 Resp: 648491
 Ion Ratio Lower Upper
 130 100
 95 131.9 99.8 149.6
 132 95.4 75.2 112.8
 97 82.6 65.0 97.4





#39

1,2-Dichloropropane

Concen: 9.236 ppbv

RT: 7.66 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

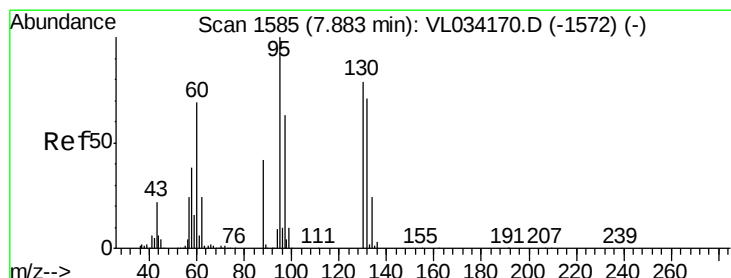
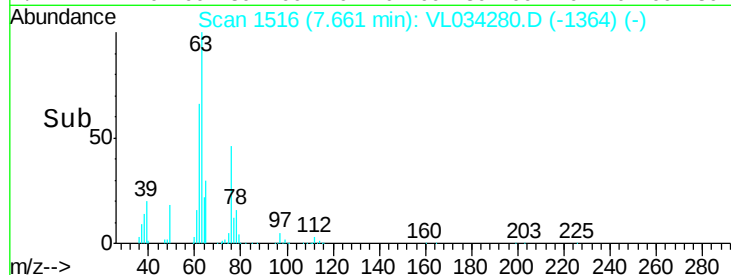
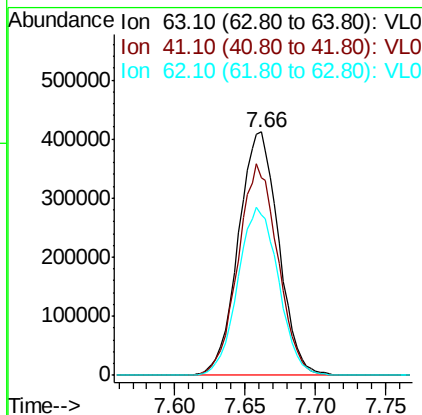
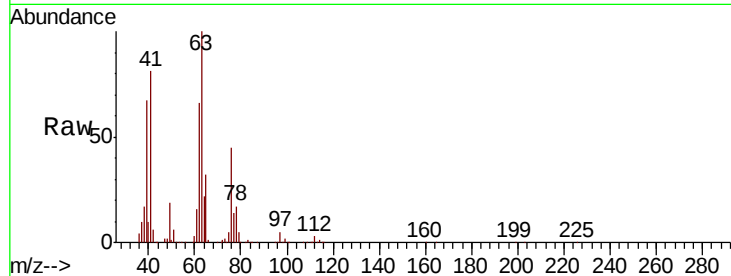
ClientSampleId :

VL1014ABS01

Tot Ion:	63	Resp:	823461
Ion Ratio	Lower	Upper	
63	100		
41	81.1	68.4	102.6
62	65.8	55.4	83.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.451 ppbv m

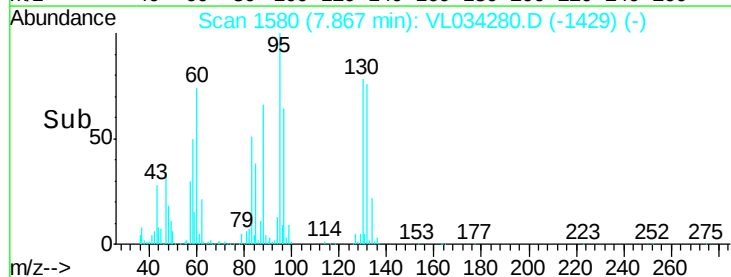
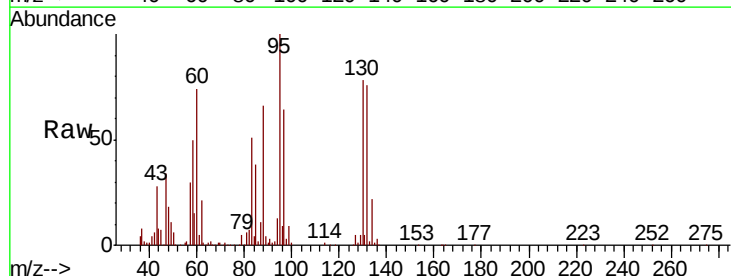
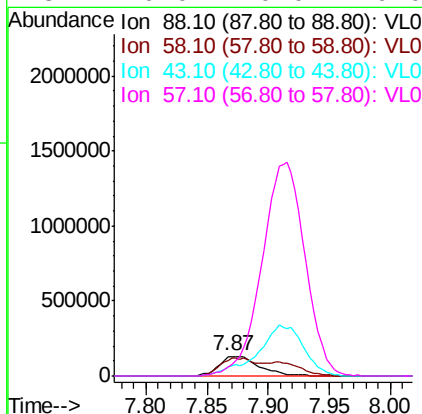
RT: 7.87 min Scan# 1580

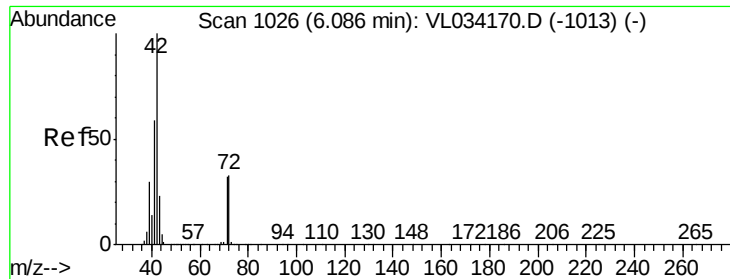
Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Tgt Ion:	88	Resp:	301554
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





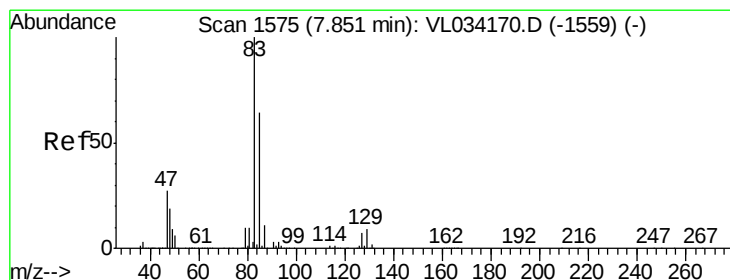
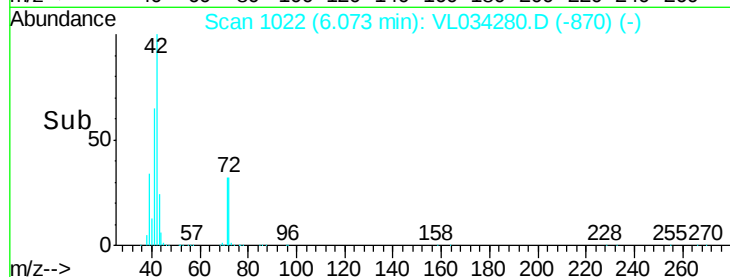
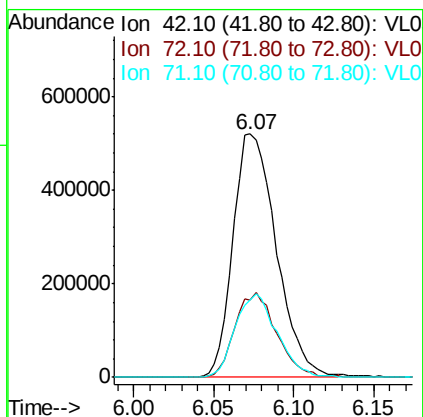
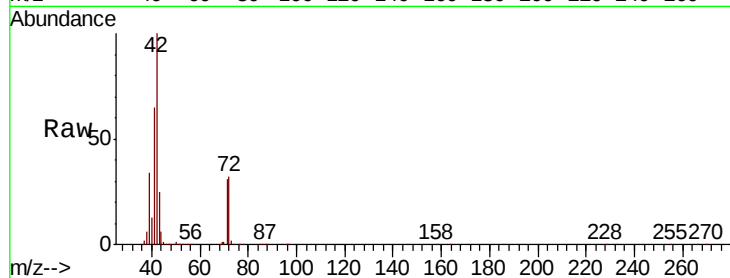
#41
Tetrahydrofuran
Concen: 9.315 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.6	40.0
71	33.4	25.1	37.7

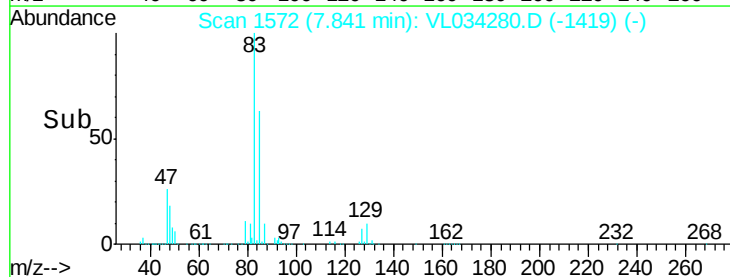
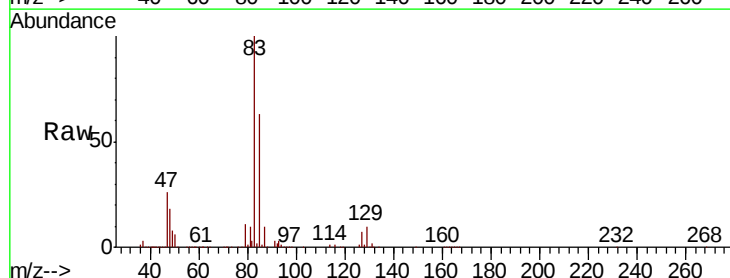
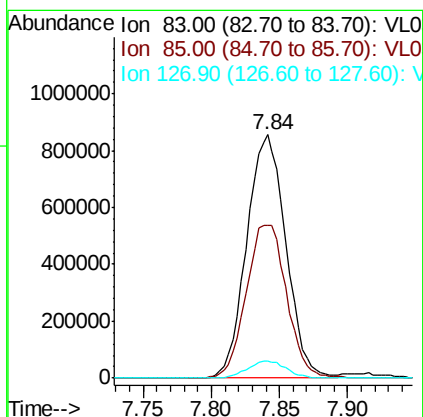
Manual Integrations
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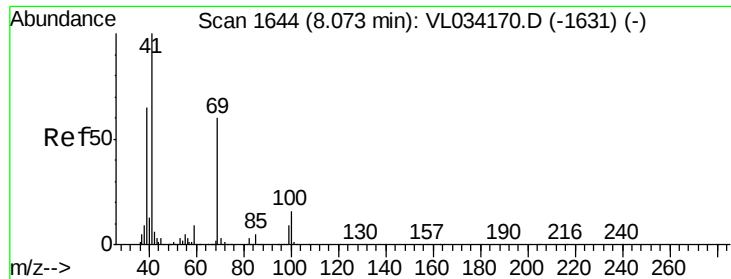
MMDadoda
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#42
Bromodichloromethane
Concen: 10.068 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	7.1	5.5	8.3





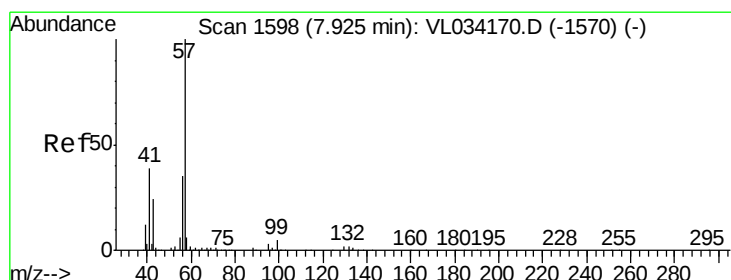
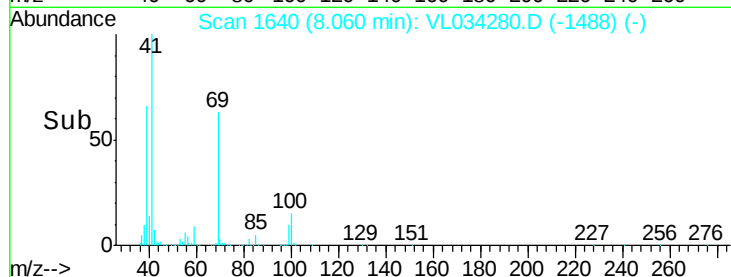
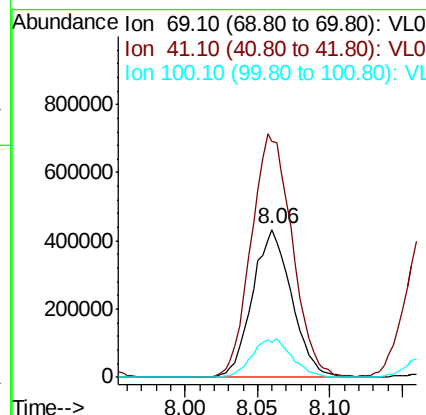
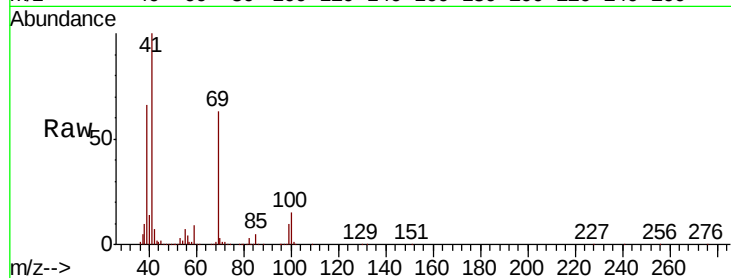
#43
Methvl Methacrylate
Concen: 9.963 ppbv
RT: 8.06 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	171.9	140.4	210.6	
100	26.5	21.9	32.9	

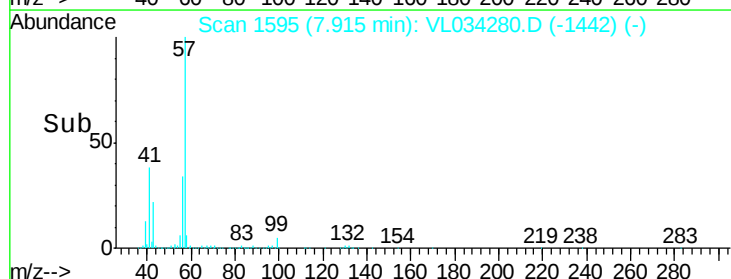
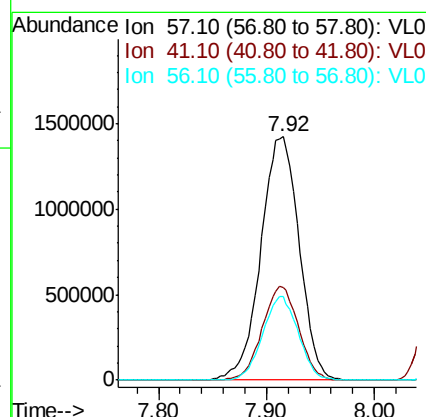
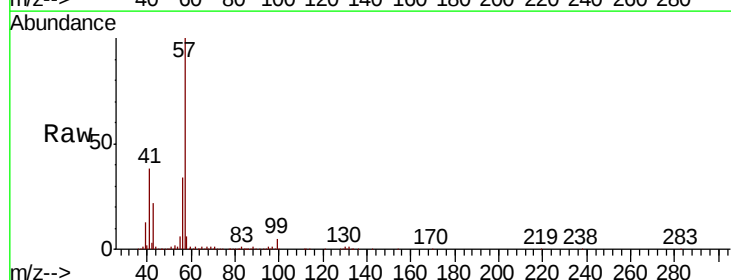
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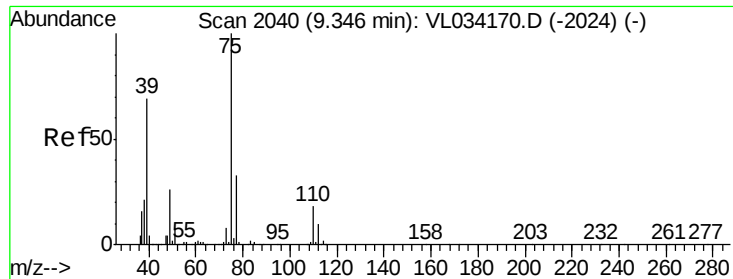
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#44
2,2,4-Trimethylpentane
Concen: 9.174 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.3	29.8	44.6	
56	31.9	25.9	38.9	





#45

t-1,3-Dichloropropene

Concen: 11.125 ppbv

RT: 9.33 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 75 Resp: 1078306

Ion Ratio Lower Upper

75 100

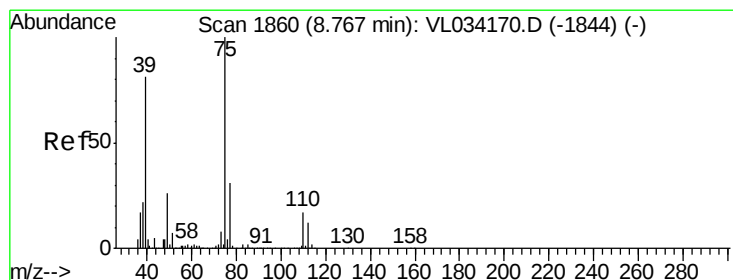
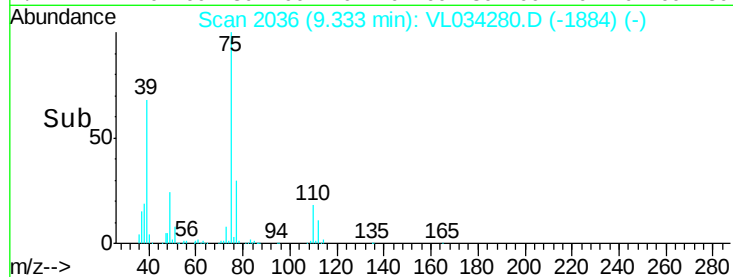
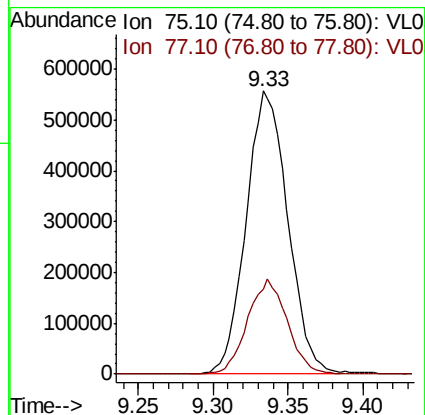
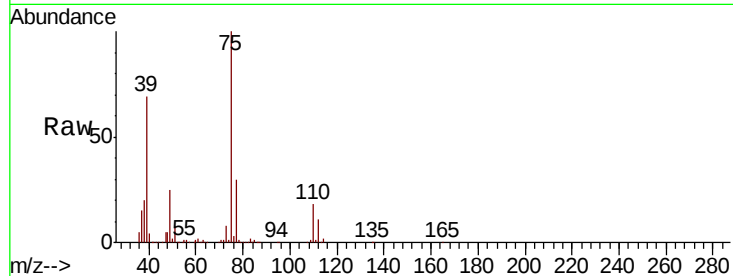
77 30.0 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 10.492 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

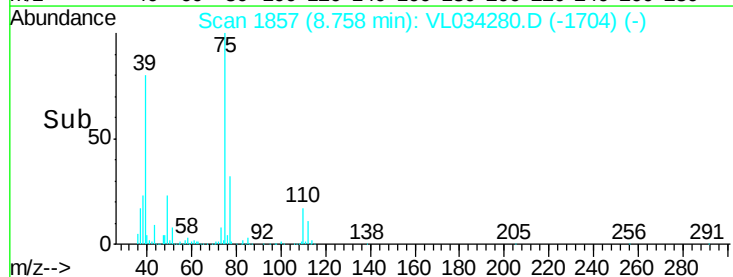
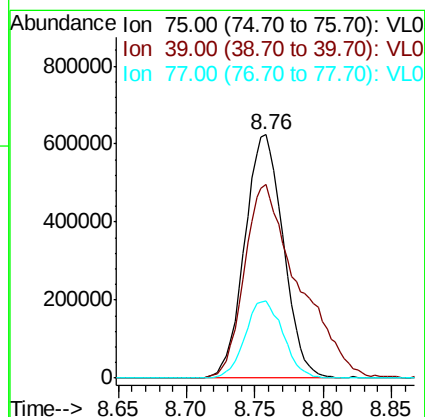
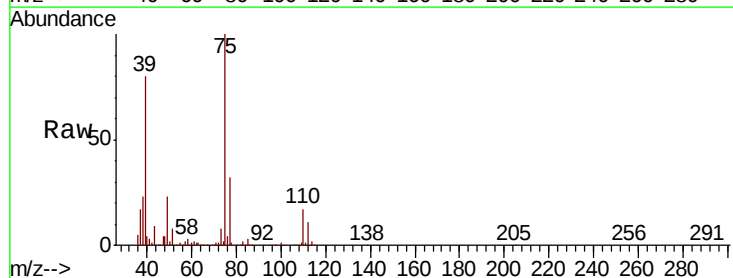
Tgt Ion: 75 Resp: 1223297

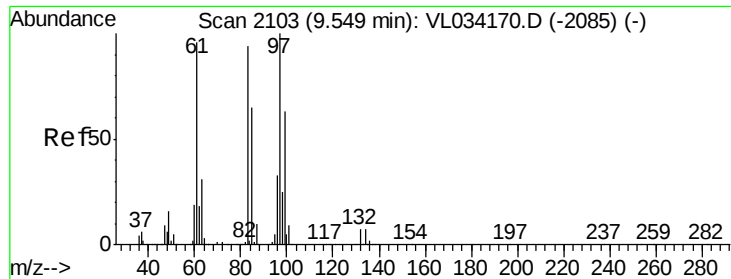
Ion Ratio Lower Upper

75 100

39 79.7 65.0 97.4

77 31.8 24.5 36.7





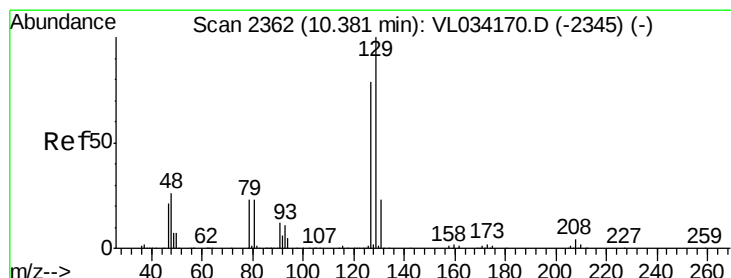
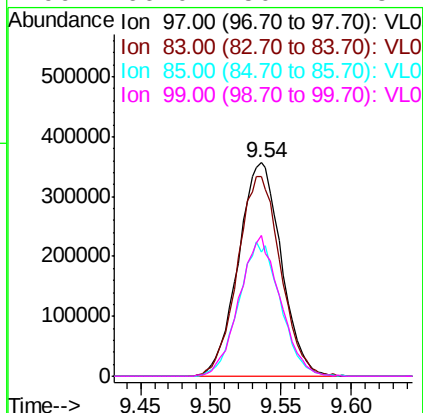
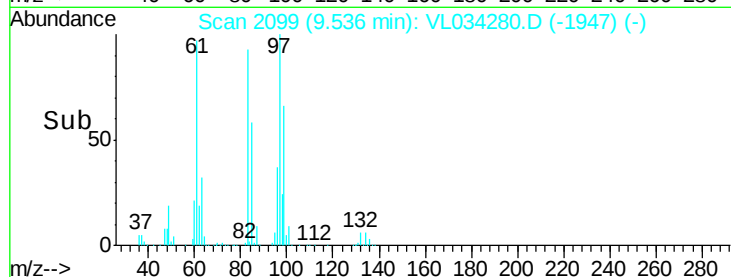
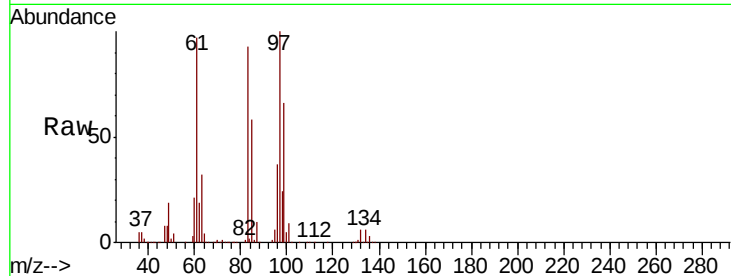
#47
 1,1,2-Trichloroethane
 Concen: 9.474 ppbv
 RT: 9.54 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion:	97	Resp:	758490
Ion Ratio	Lower	Upper	
97	100		
83	93.5	75.3	112.9
85	58.4	52.1	78.1
99	66.0	50.2	75.2

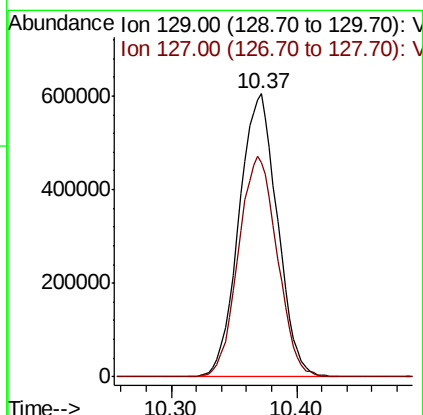
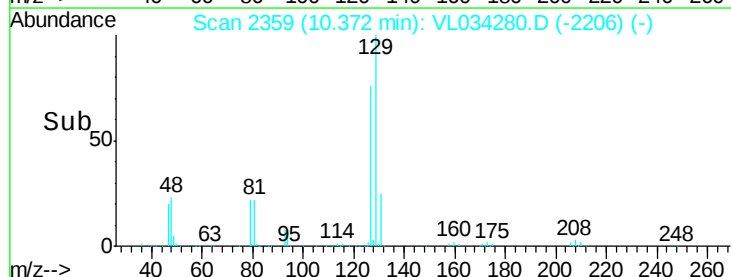
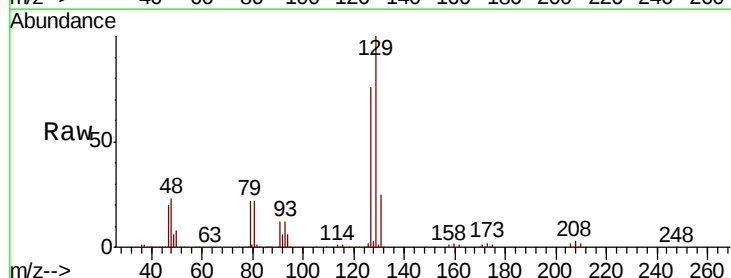
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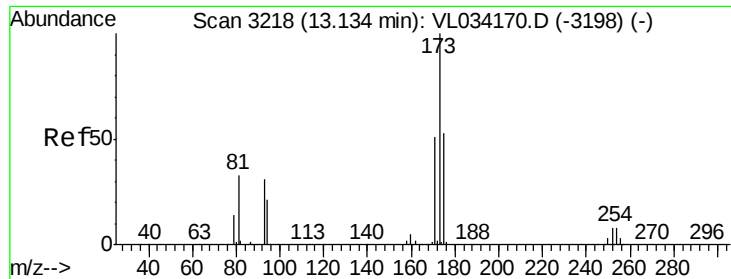
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#48
 Dibromochloromethane
 Concen: 10.130 ppbv
 RT: 10.37 min Scan# 2359
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion:	129	Resp:	1285428
Ion Ratio	Lower	Upper	
129	100		
127	78.8	39.2	117.6





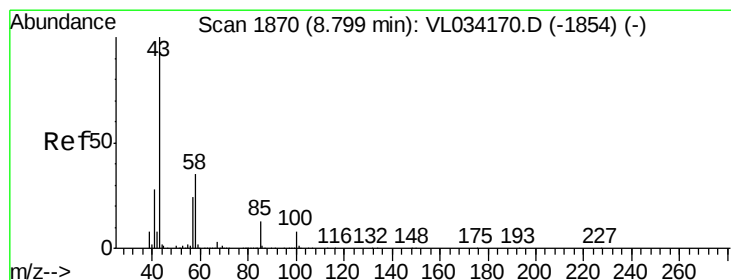
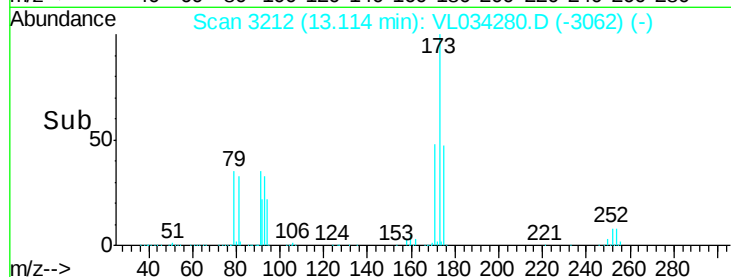
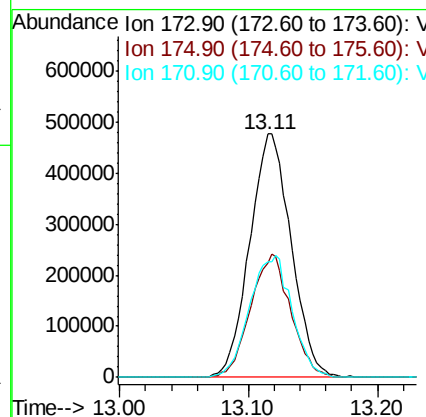
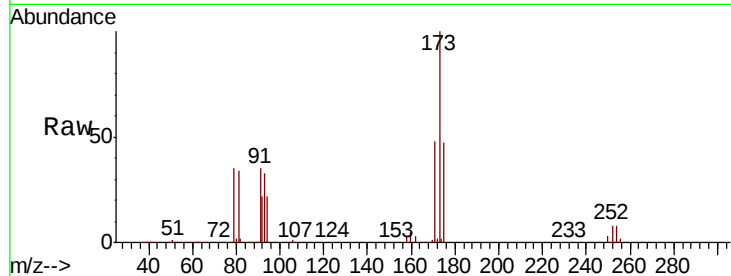
#49
Bromoform
Concen: 10.391 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	40.3	60.5
171	51.4	42.0	63.0

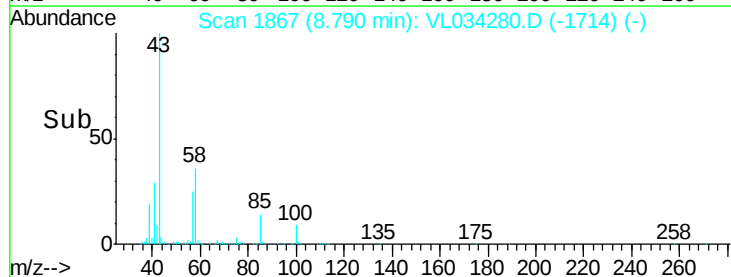
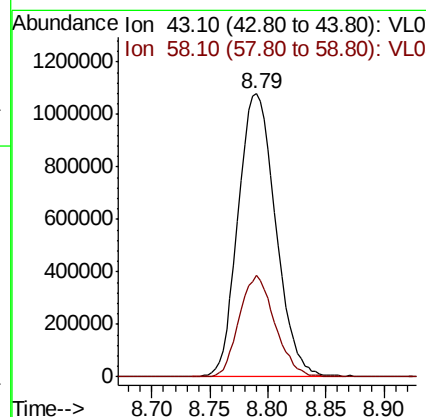
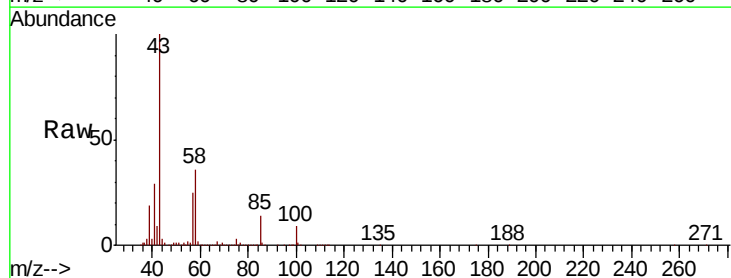
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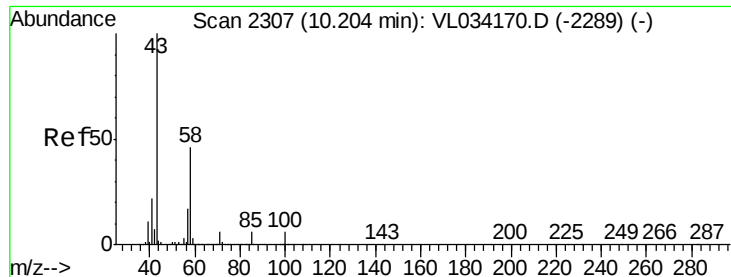
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#50
4-Methyl-2-Pentanone
Concen: 9.107 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.6	41.4





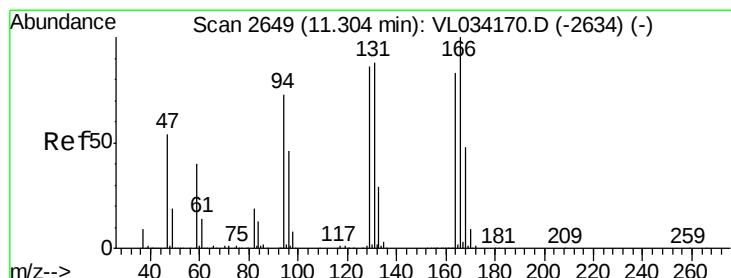
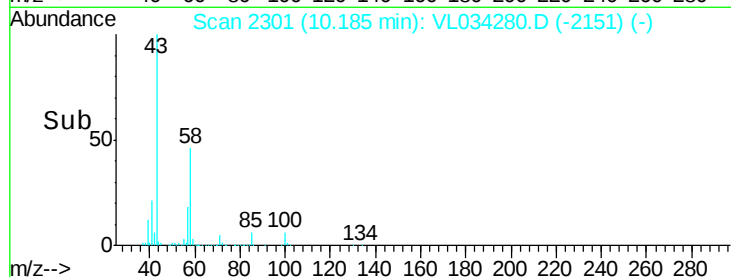
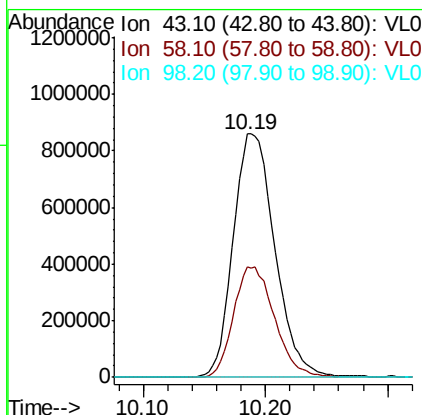
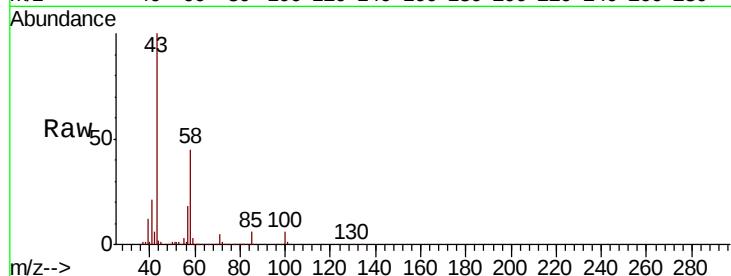
#51
2-Hexanone
Concen: 9.061 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion: 43 Resp: 2030359
Ion Ratio Lower Upper
43 100
58 44.9 36.2 54.4
98 0.2 0.2 0.2

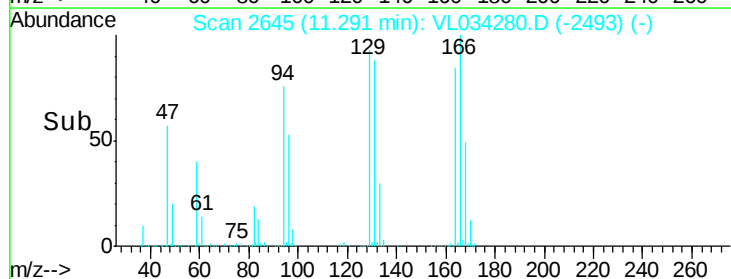
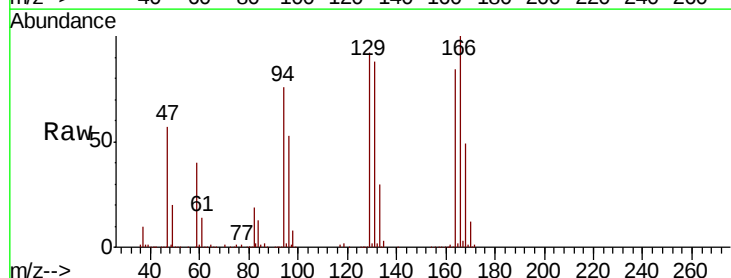
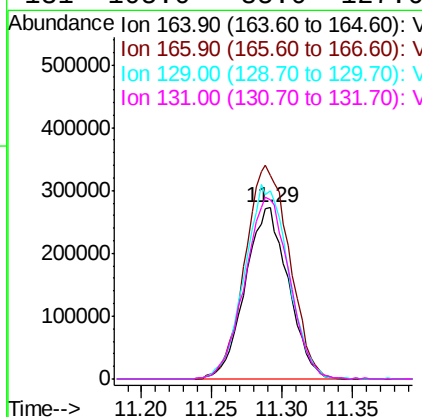
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#52
Tetrachloroethene
Concen: 8.863 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 164 Resp: 581065
Ion Ratio Lower Upper
164 100
166 118.7 96.7 145.1
129 109.8 82.8 124.2
131 105.0 85.0 127.6





#53

Toluene

Concen: 9.578 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 91 Resp: 2077287

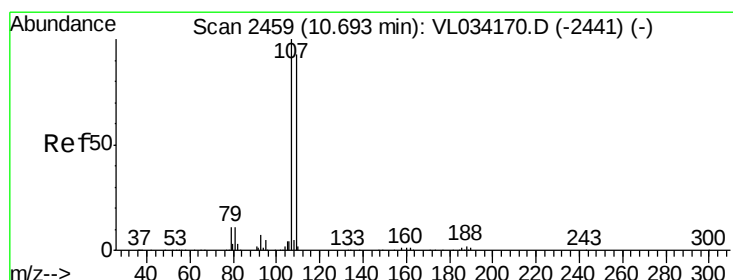
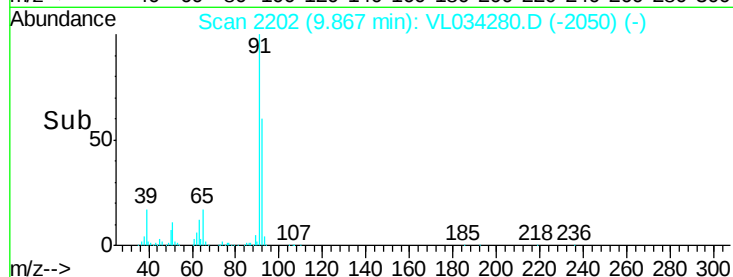
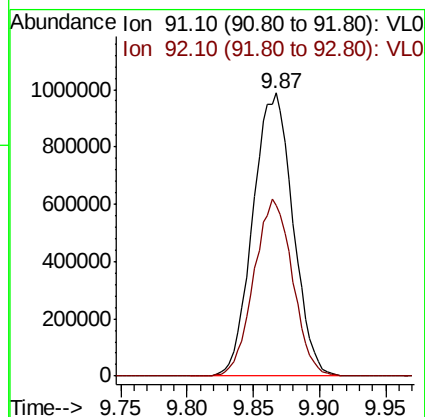
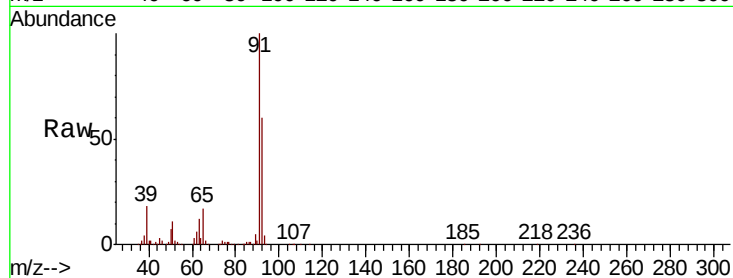
Ion Ratio Lower Upper

91 100

92 60.4 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.619 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034280.D

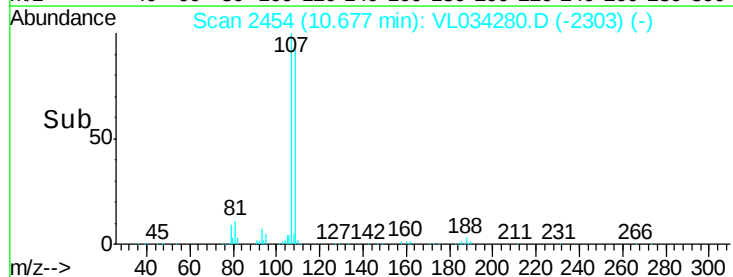
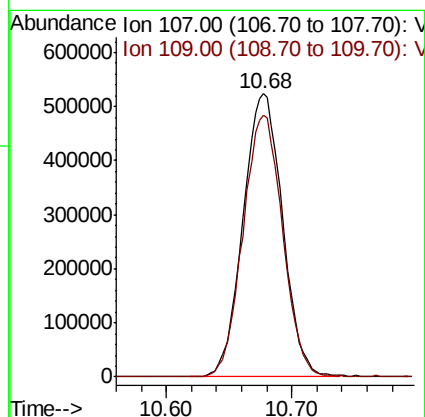
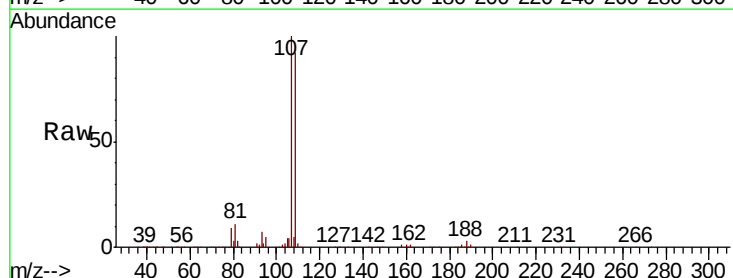
Acq: 14 Oct 2019 13:19

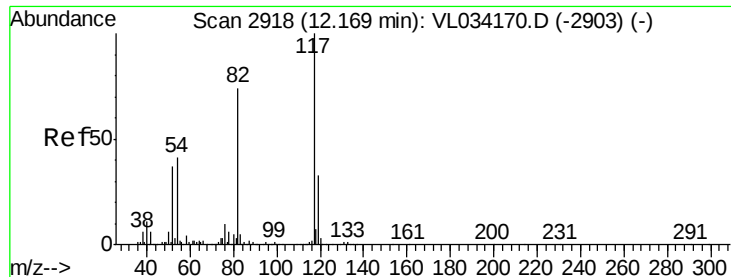
Tgt Ion: 107 Resp: 1145320

Ion Ratio Lower Upper

107 100

109 92.2 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion:117 Resp: 1905278

Ion Ratio Lower Upper

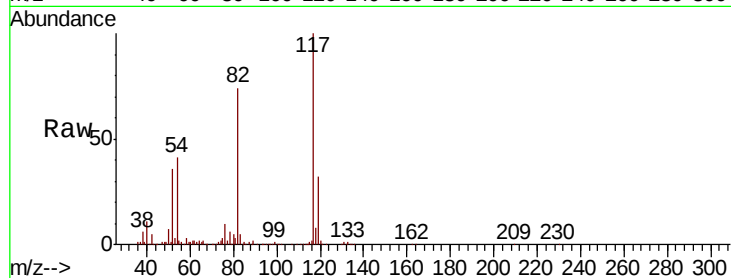
117 100

82 74.0 58.2 87.4

119 31.0 23.7 35.5

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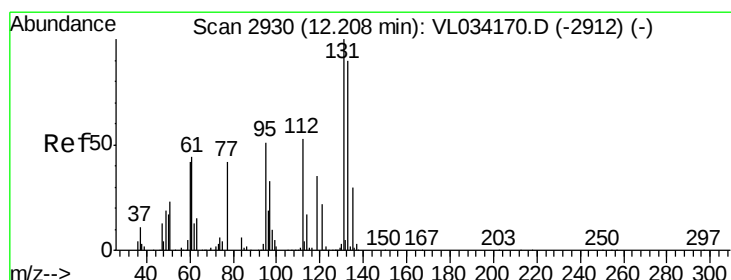
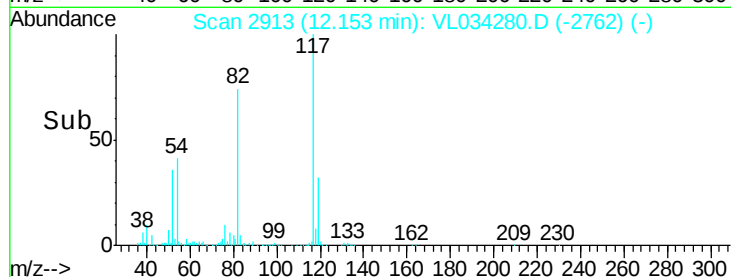
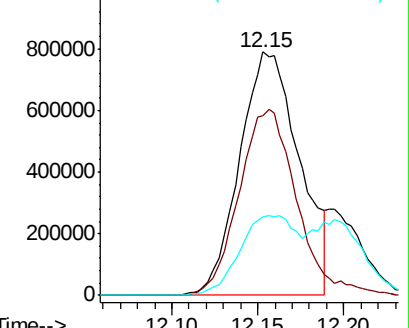
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 9.866 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

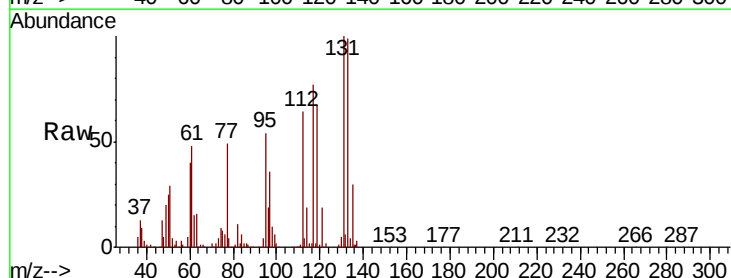
Tgt Ion:131 Resp: 838282

Ion Ratio Lower Upper

131 100

133 96.1 75.1 112.7

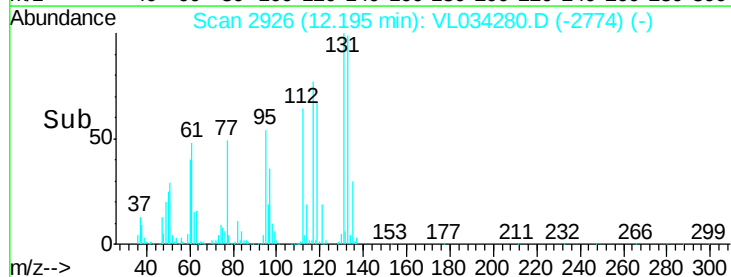
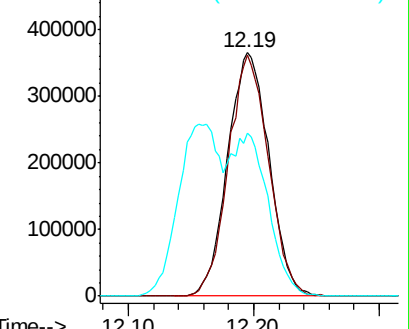
119 62.5 47.4 71.0

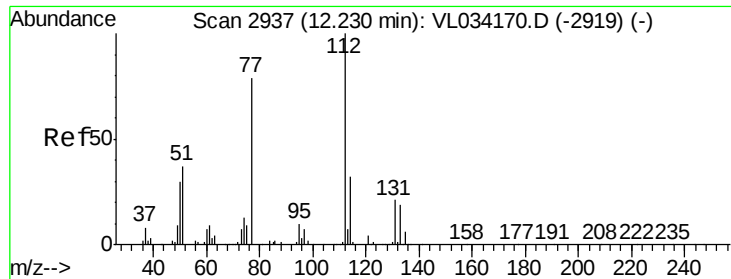


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.957 ppbv

RT: 12.22 min Scan# 2933

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

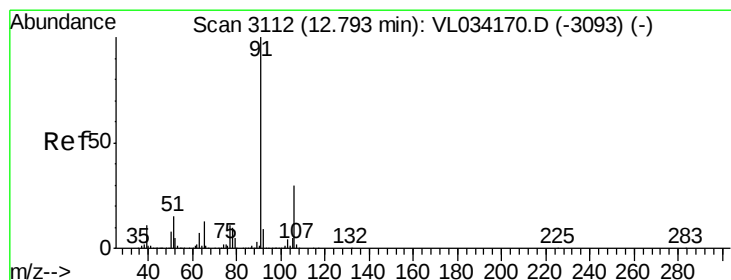
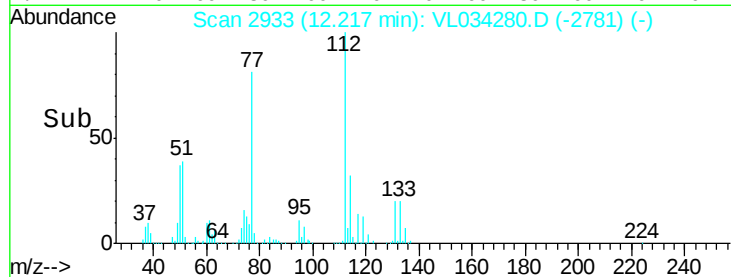
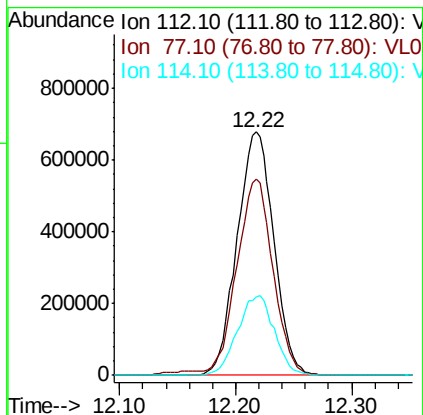
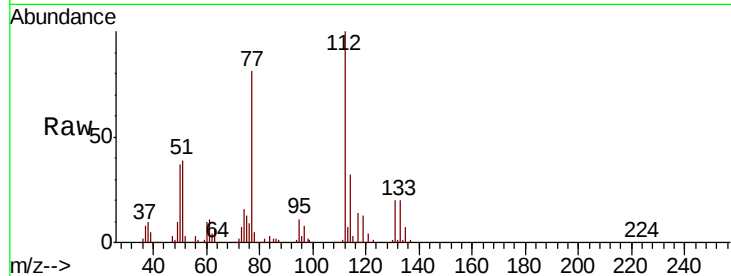
ClientSampleId :

VL1014ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	80.7	64.3	96.5
114	32.2	28.9	35.3

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#58

Ethyl Benzene

Concen: 9.295 ppbv

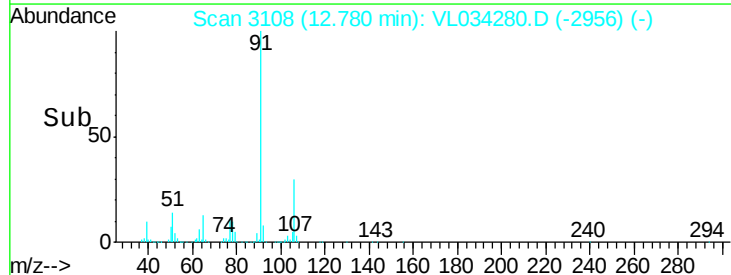
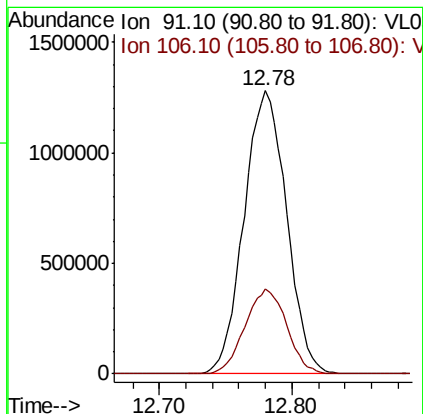
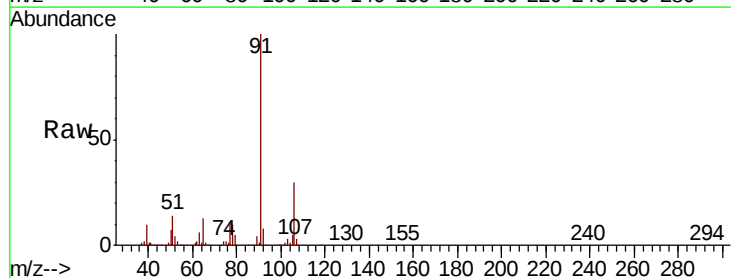
RT: 12.78 min Scan# 3108

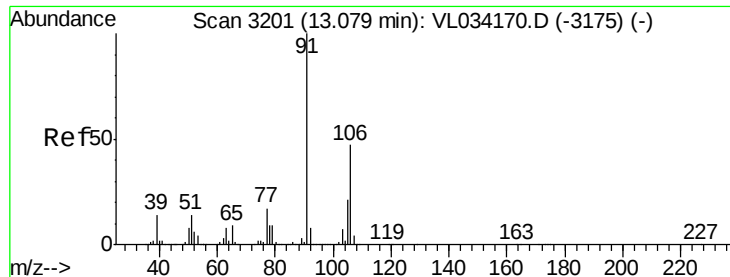
Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4





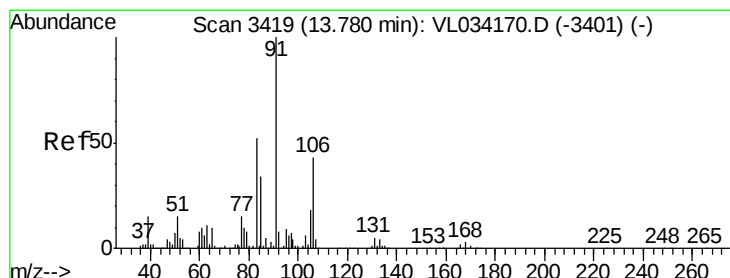
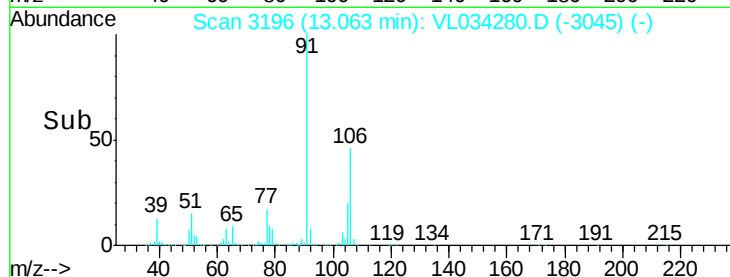
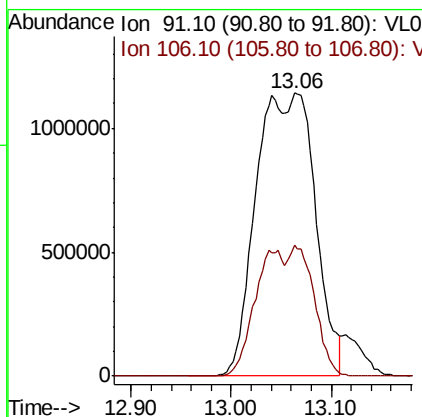
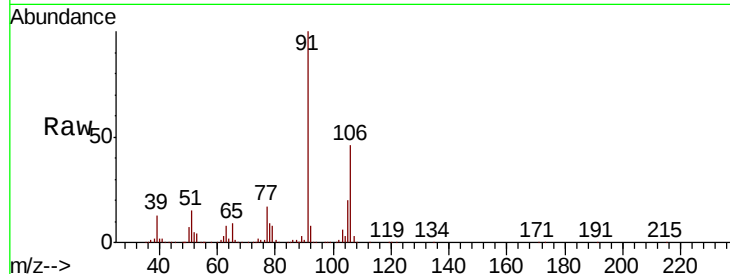
#59
m/p-Xylene
Concen: 18.339 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion: 91 Resp: 4669719
Ion Ratio Lower Upper
91 100
106 43.4 35.5 53.3

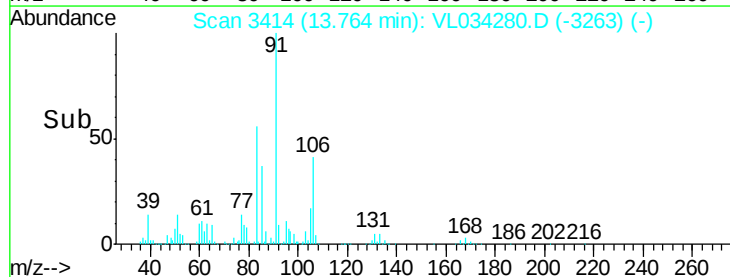
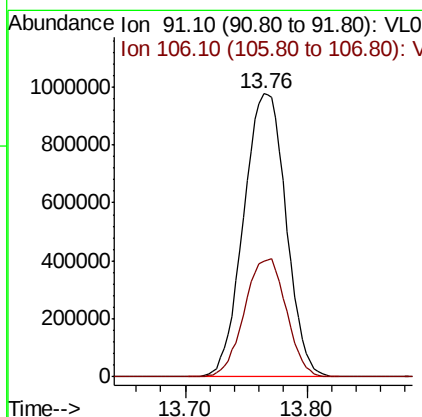
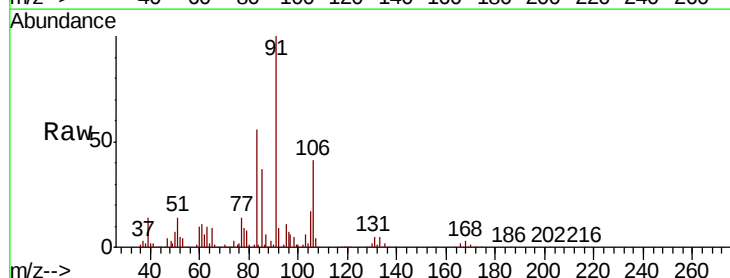
Manual Integrations
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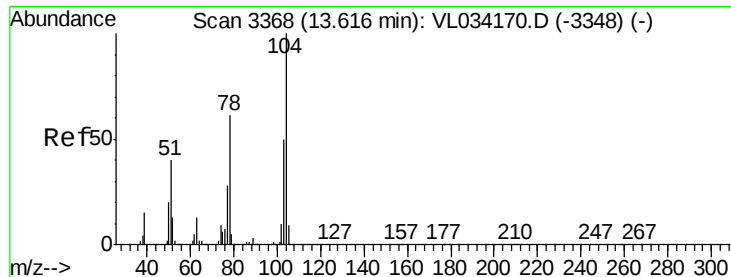
MMDadoda
10/16/2019 12:59:15 AM



#60
o-Xylene
Concen: 9.217 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion: 91 Resp: 2346762
Ion Ratio Lower Upper
91 100
106 41.2 21.2 63.6





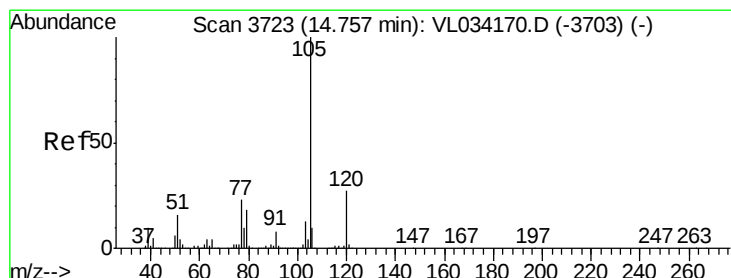
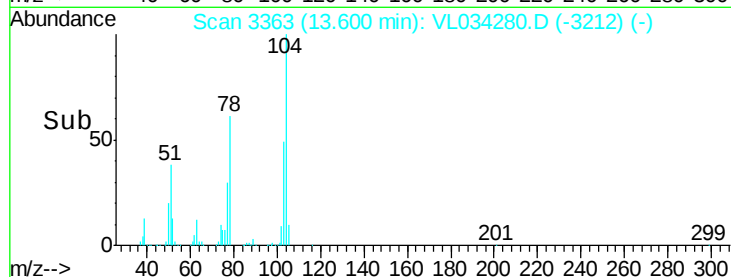
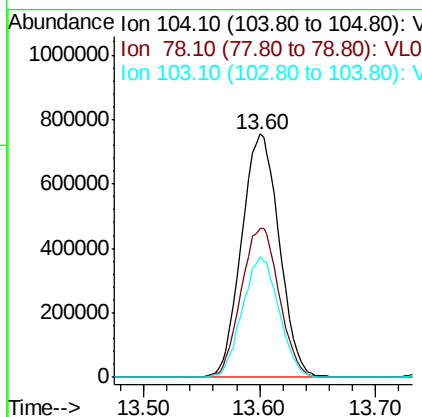
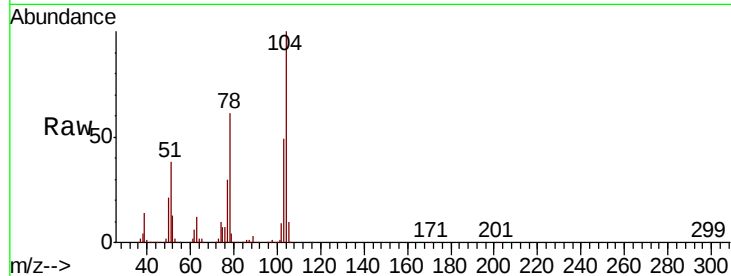
#61
Stvrene
Concen: 9.345 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	62.2	49.7	74.5
103	48.2	38.4	57.6

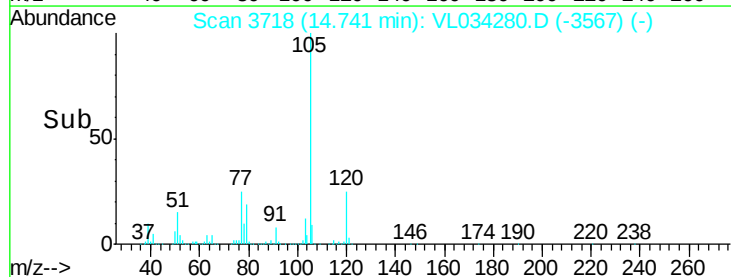
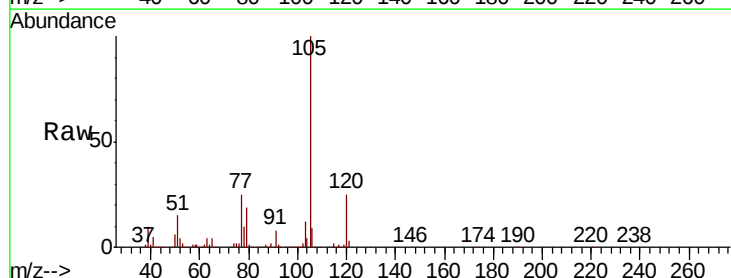
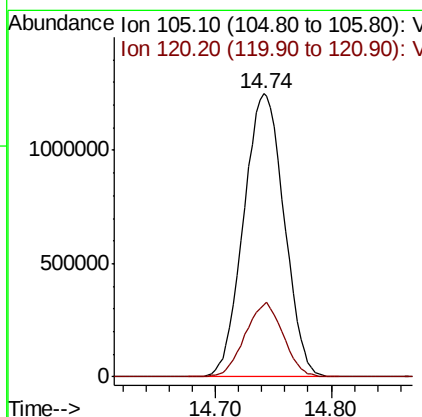
Manual Integrations
APPROVED

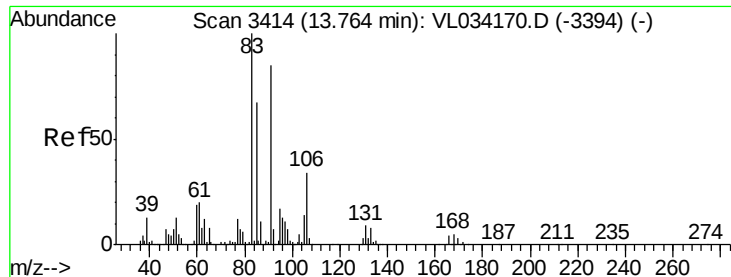
MMDadoda
10/16/2019 12:59:15 AM



#62
Isopropylbenzene
Concen: 9.225 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.023 ppbv

RT: 13.75 min Scan# 3410

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 83 Resp: 1675012

Ion Ratio Lower Upper

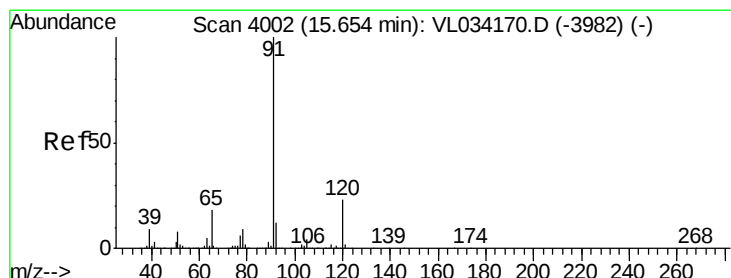
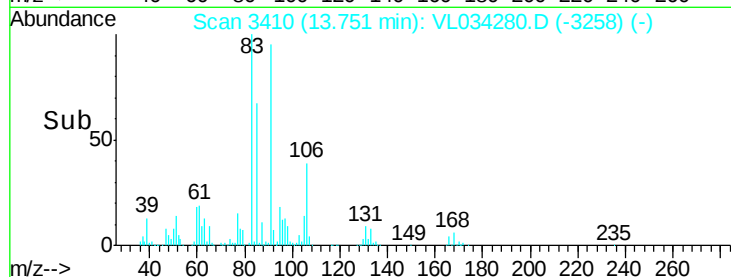
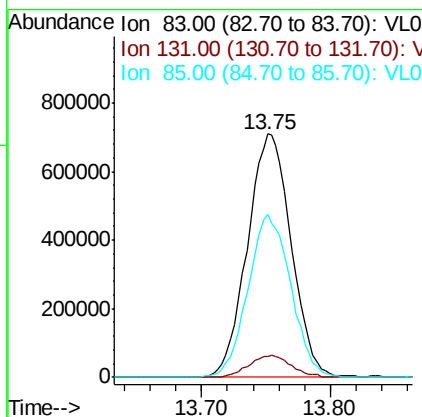
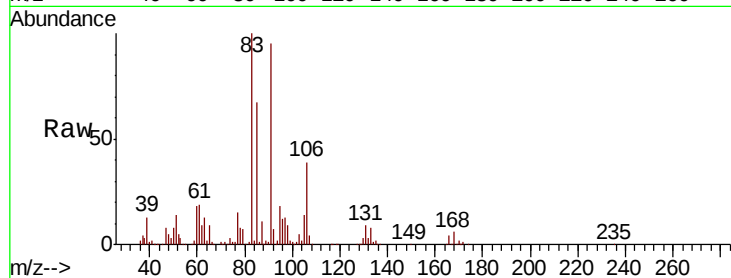
83 100

131 8.9 4.3 12.8

85 65.7 32.8 98.4

Manual Integrations
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#64

n-propylbenzene

Concen: 9.370 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. -0.02 min

Lab File: VL034280.D

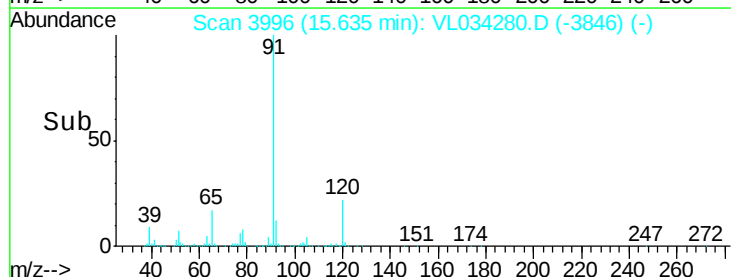
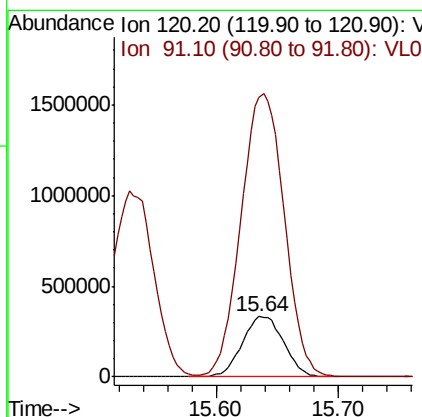
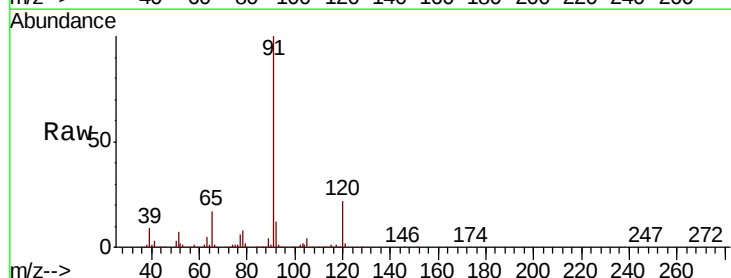
Acq: 14 Oct 2019 13:19

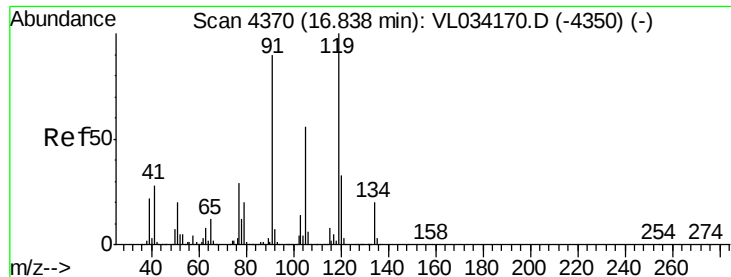
Tgt Ion: 120 Resp: 781314

Ion Ratio Lower Upper

120 100

91 490.7 378.2 567.2





#65

tert-Butylbenzene

Concen: 8.983 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion:119 Resp: 2587128

Ion Ratio Lower Upper

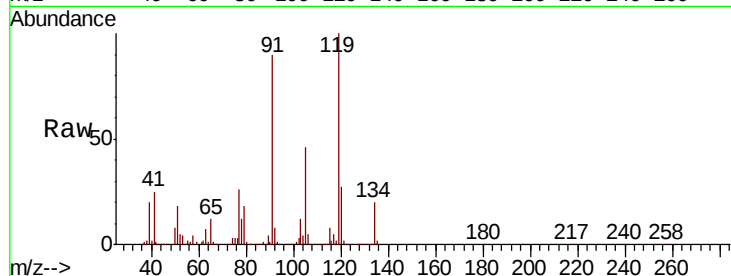
119 100

91 94.2 74.9 112.3

134 19.4 15.8 23.6

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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

1200000

1000000

800000

600000

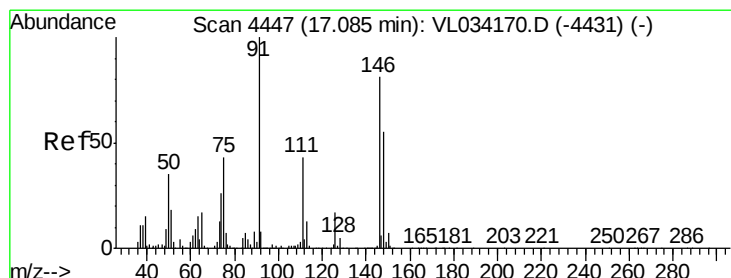
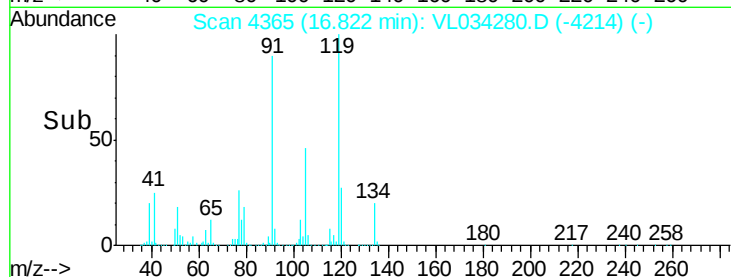
400000

200000

0

16.70 16.80 16.90

Time-->



#66

Benzyl Chloride

Concen: 12.426 ppbv

RT: 17.07 min Scan# 4443

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

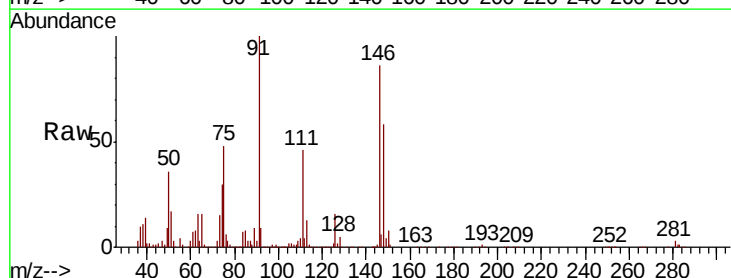
Tgt Ion: 91 Resp: 1266079

Ion Ratio Lower Upper

91 100

126 15.6 12.6 19.0

128 4.9 4.0 6.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

800000

600000

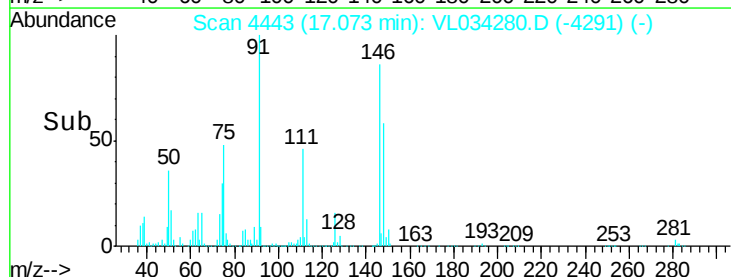
400000

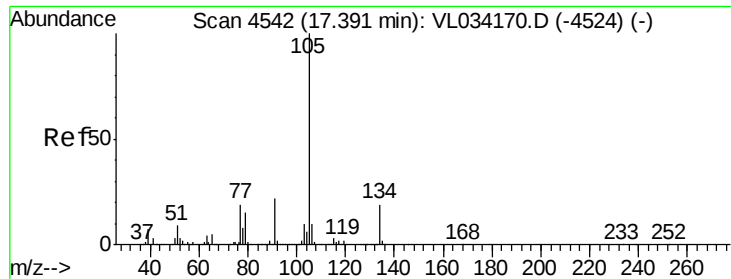
200000

0

17.00 17.10

Time-->





#67

sec-Butylbenzene

Concen: 9.107 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 105 Resp: 3750400

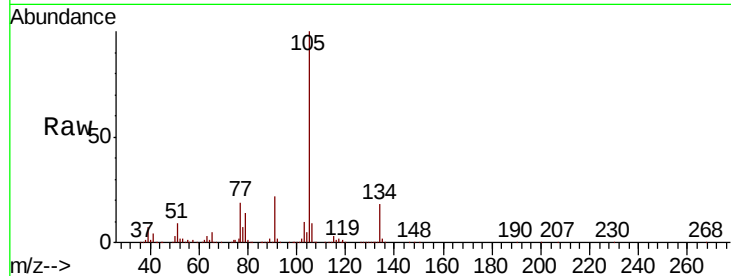
Ion Ratio Lower Upper

105 100

134 17.5 14.6 22.0

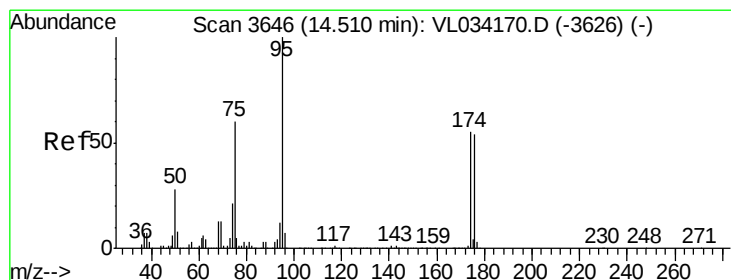
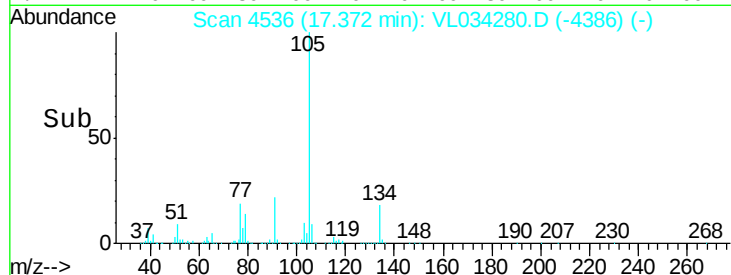
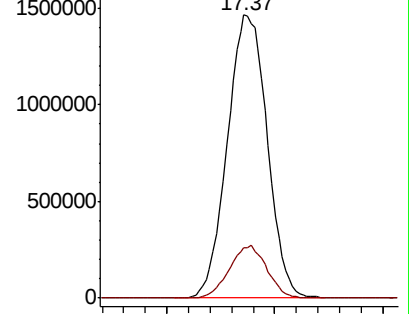
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.755 ppbv

RT: 14.49 min Scan# 3640

Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

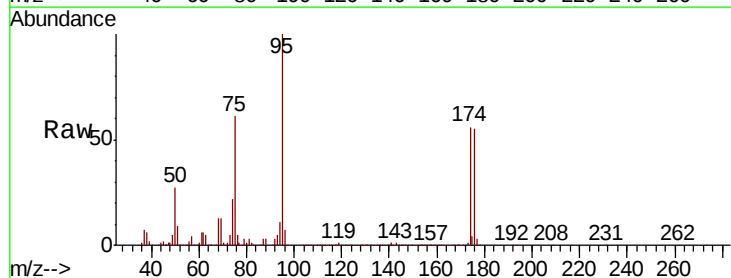
Tgt Ion: 95 Resp: 1615071

Ion Ratio Lower Upper

95 100

174 57.1 45.1 67.7

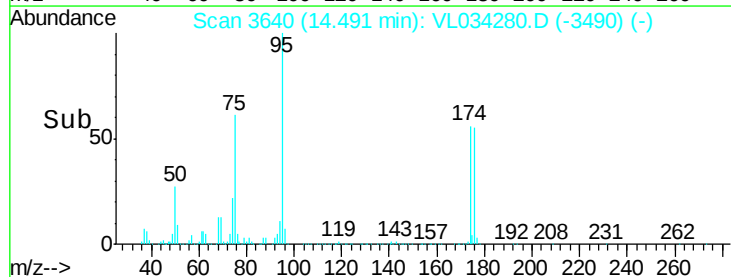
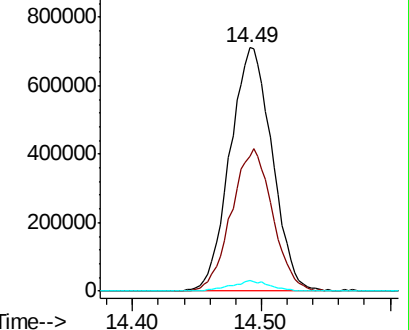
175 4.0 3.3 4.9

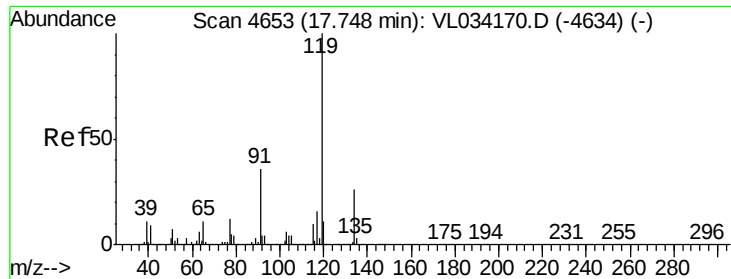


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





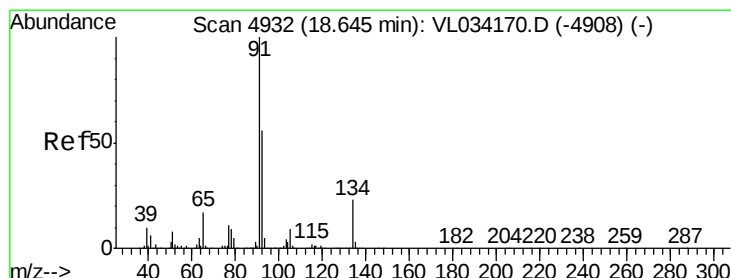
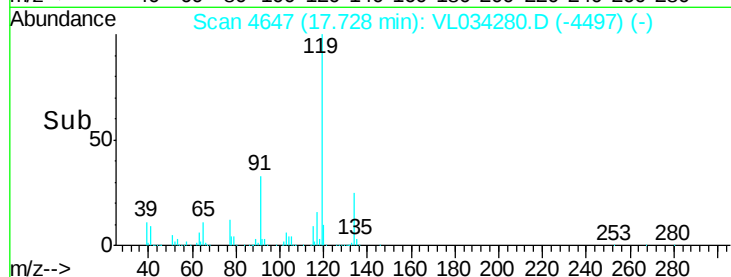
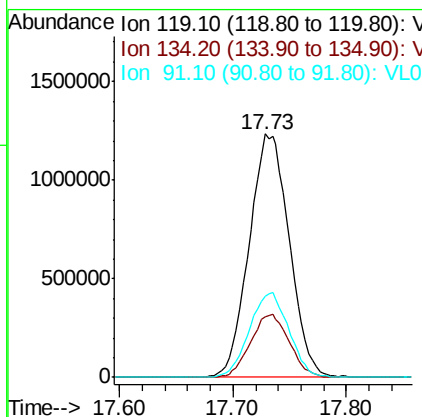
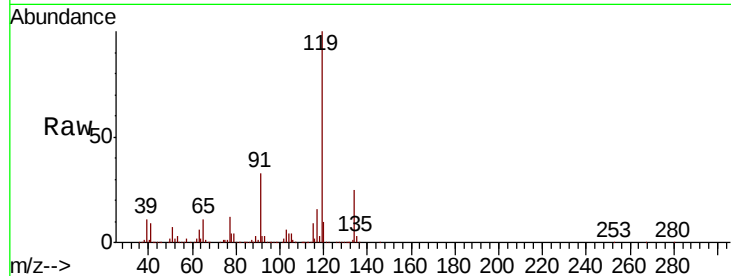
#69
 p-Isopropyltoluene
 Concen: 9.088 ppbv
 RT: 17.73 min Scan# 4647
 Delta R.T. -0.02 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	34.4	27.6	41.4

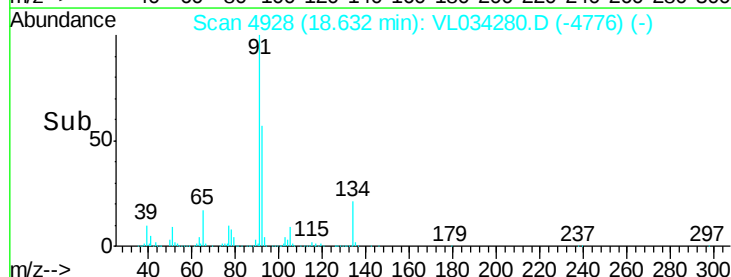
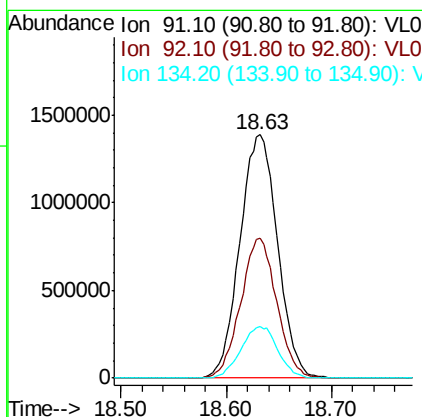
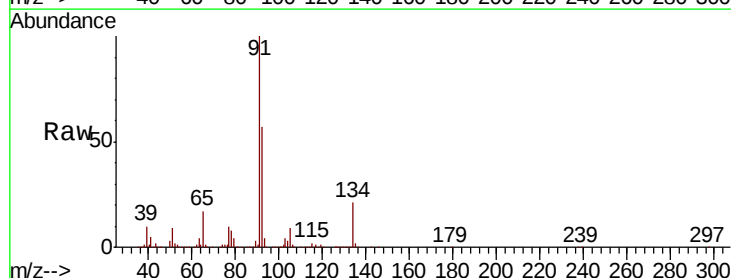
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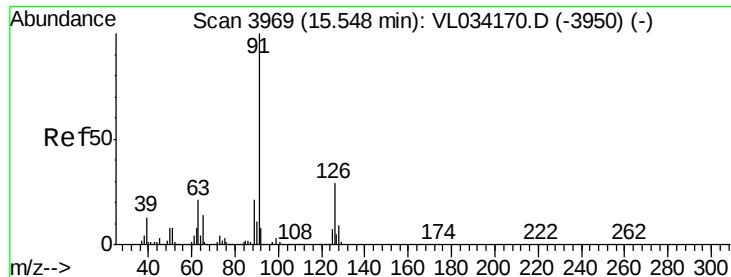
MMDadoda
 10/16/2019 12:59:15 AM



#70
 n-Butylbenzene
 Concen: 8.867 ppbv
 RT: 18.63 min Scan# 4928
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.8	67.2
134	20.8	17.3	25.9





#71

2-Chlorotoluene

Concen: 9.053 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion: 91 Resp: 2438045

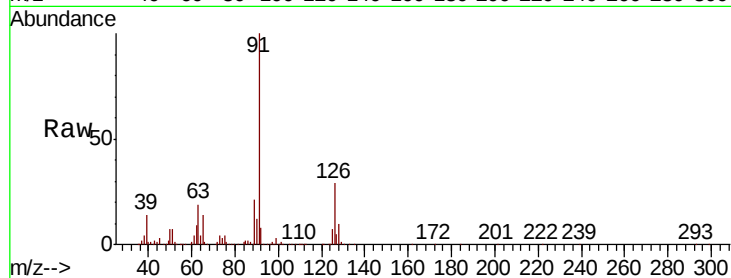
Ion Ratio Lower Upper

91 100

126 28.0 11.2 45.0

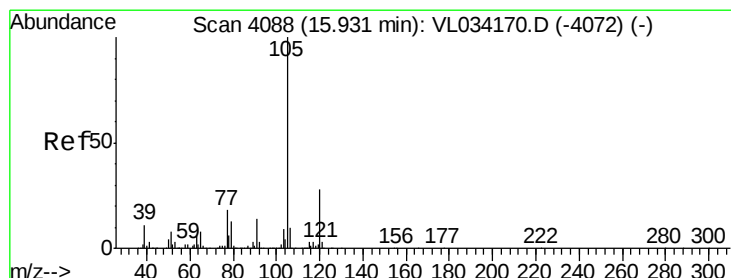
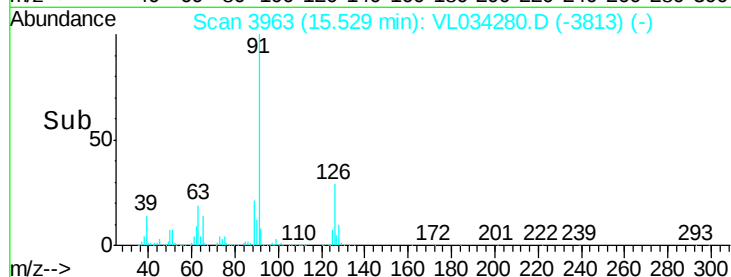
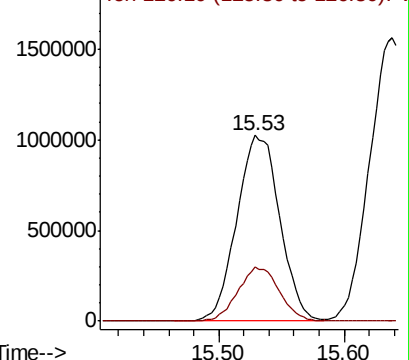
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.427 ppbv m

RT: 15.91 min Scan# 4083

Delta R.T. -0.02 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Tgt Ion: 105 Resp: 2711824

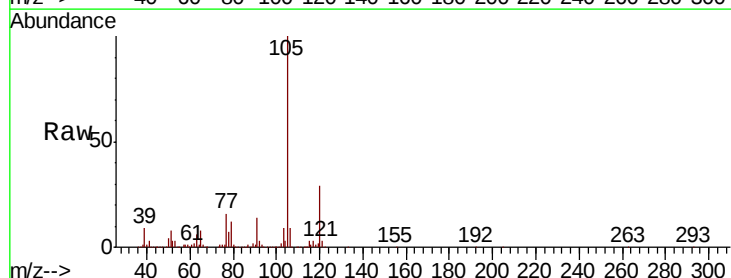
Ion Ratio Lower Upper

105 100

120 27.9 23.3 34.9

91 0.0 11.4 17.2#

77 0.0 13.3 19.9#

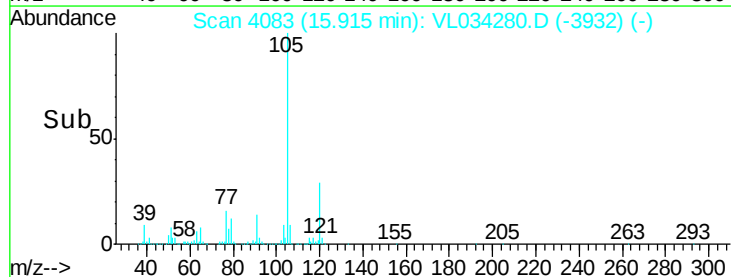
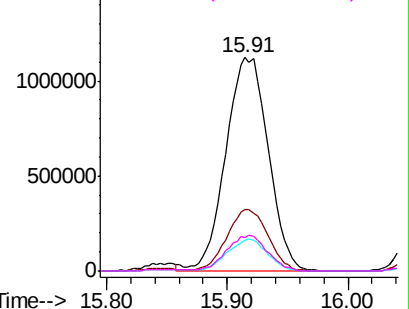


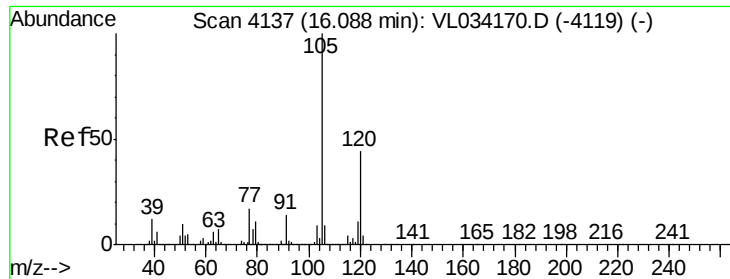
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.182 ppbv

RT: 16.08 min Scan# 4133

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL1014ABS01

Tot Ion:105 Resp: 2551849

Ion Ratio Lower Upper

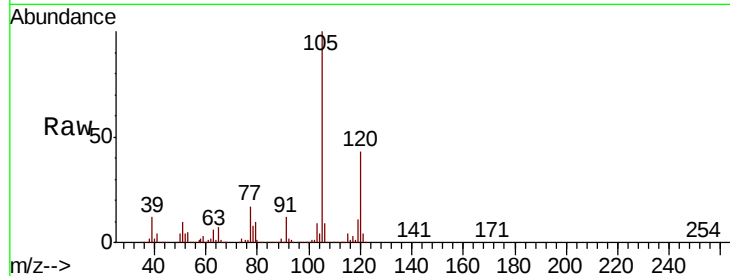
105 100

120 42.8 35.6 53.4

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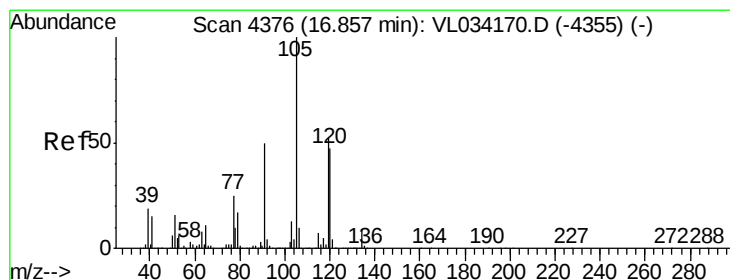
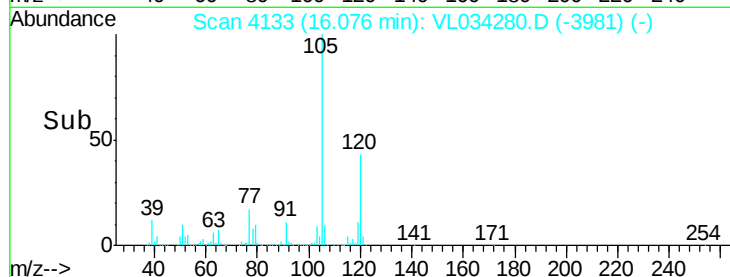
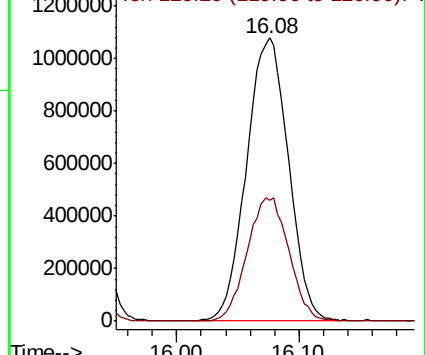
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.834 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034280.D

Acq: 14 Oct 2019 13:19

Tgt Ion:105 Resp: 2606598

Ion Ratio Lower Upper

105 100

120 46.7 37.5 56.3

91 47.2 41.1 61.7

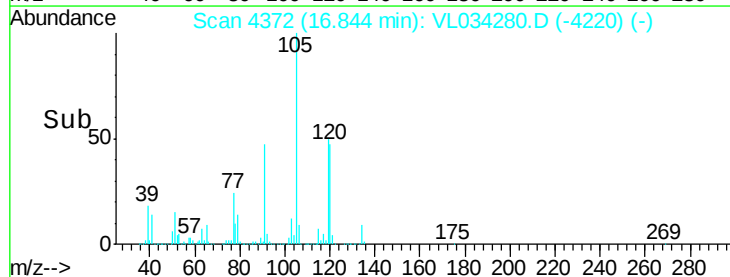
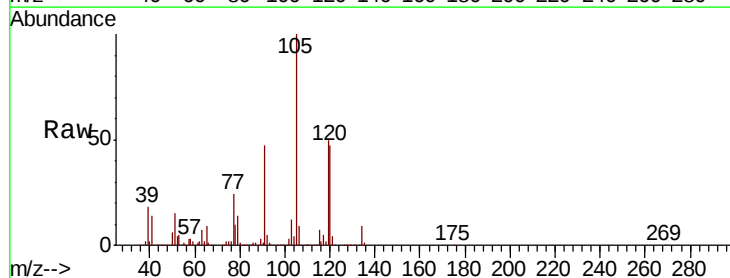
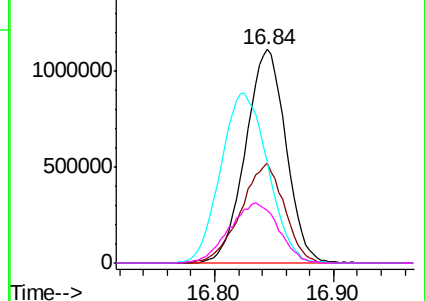
77 24.3 19.9 29.9

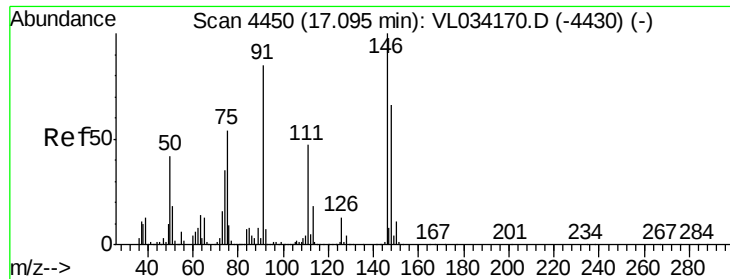
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





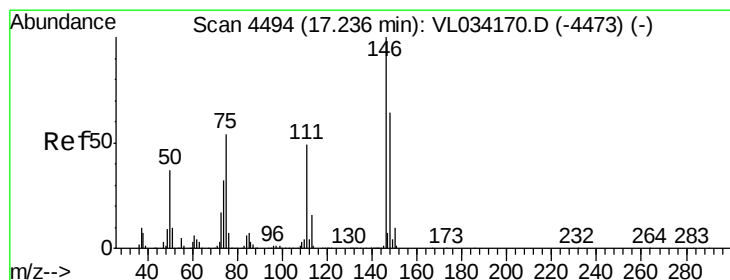
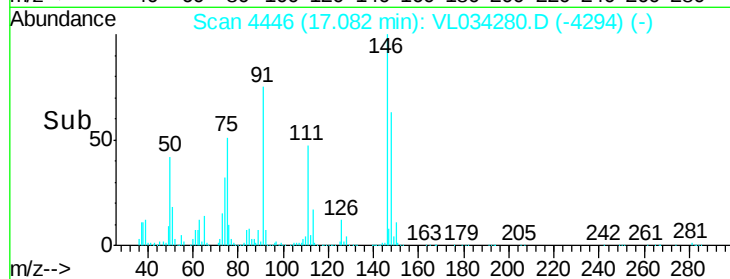
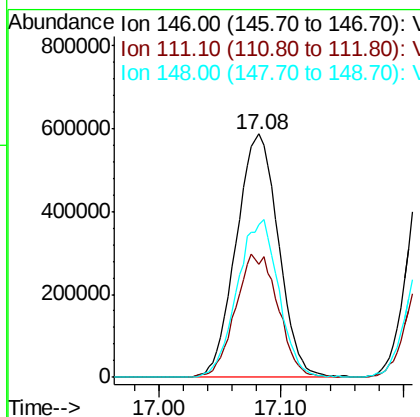
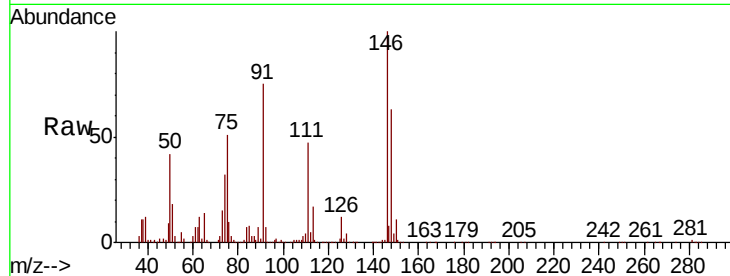
#75
 1,3-Dichlorobenzene
 Concen: 8.808 ppbv
 RT: 17.08 min Scan# 4446
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.5	25.9	77.8
148	64.0	32.6	97.7

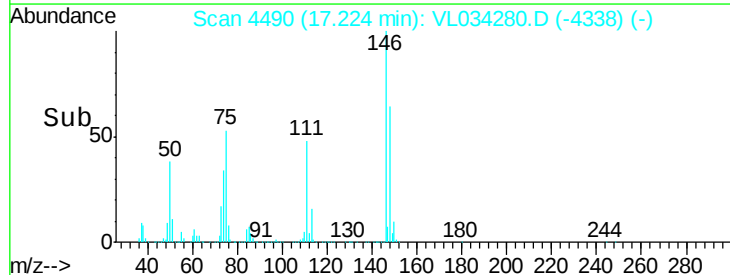
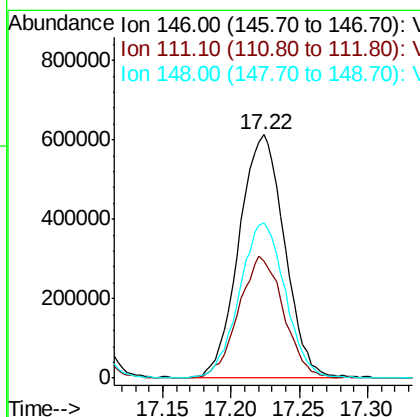
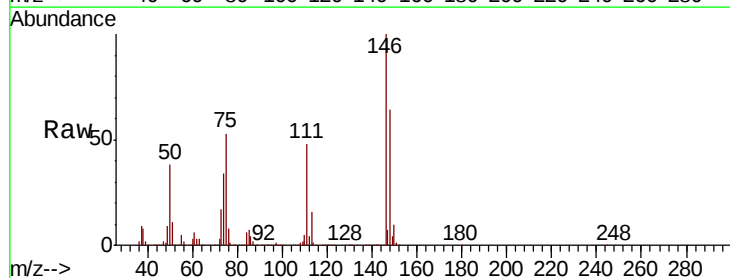
Manual Integrations
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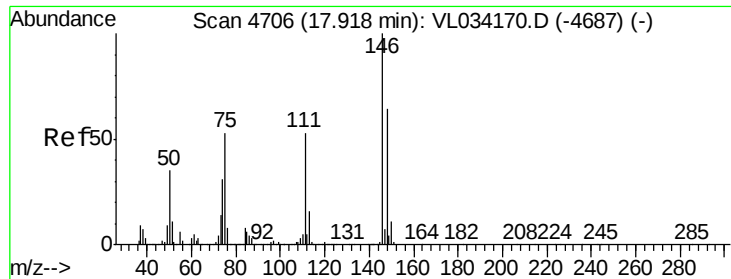
MMDadoda
 10/16/2019 12:59:15 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.683 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.6	74.0
148	64.8	32.4	97.0





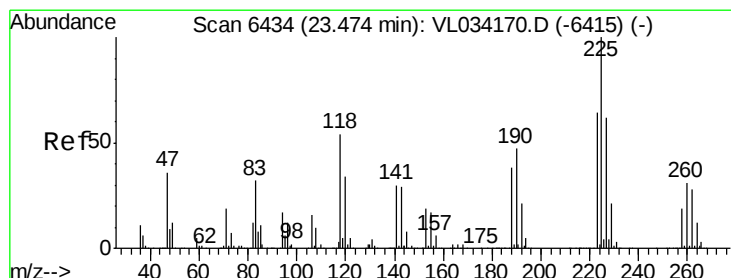
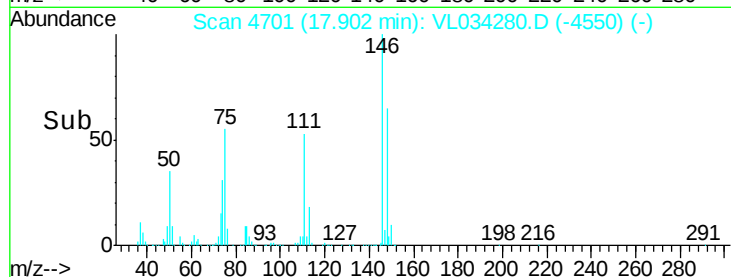
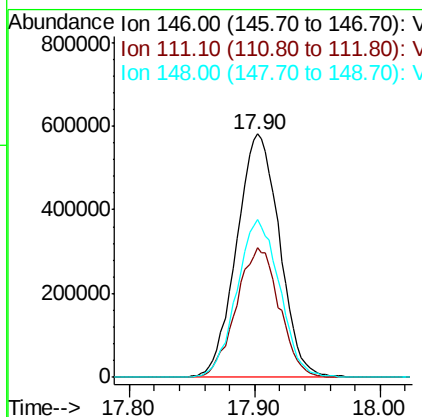
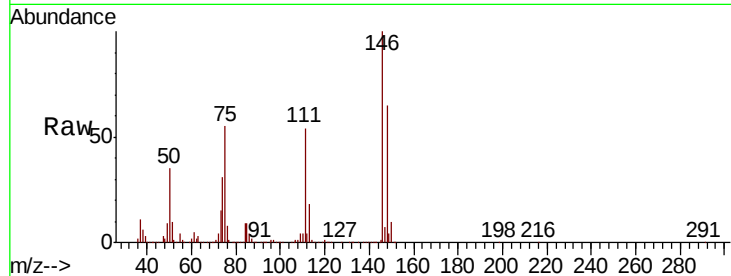
#77
 1,2-Dichlorobenzene
 Concen: 8.584 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.9	26.1	78.3
148	65.3	31.9	95.9

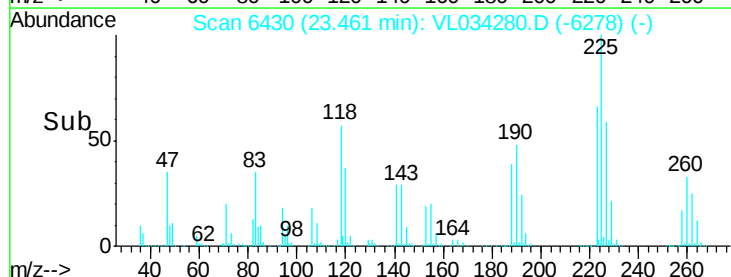
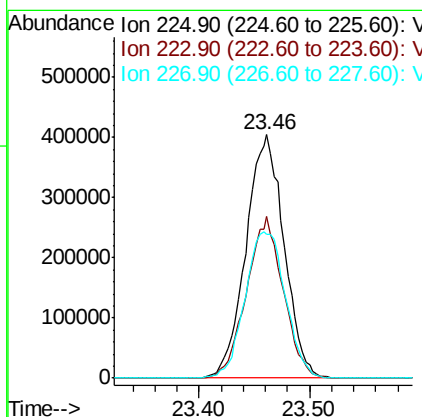
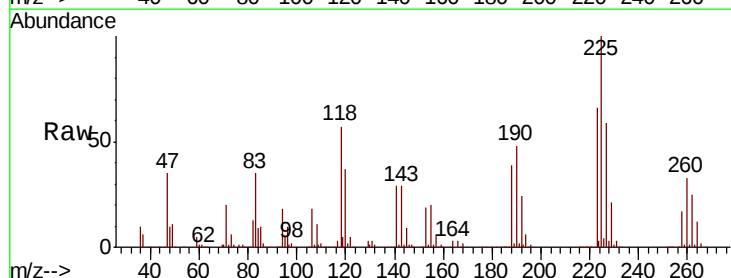
Manual Integrations
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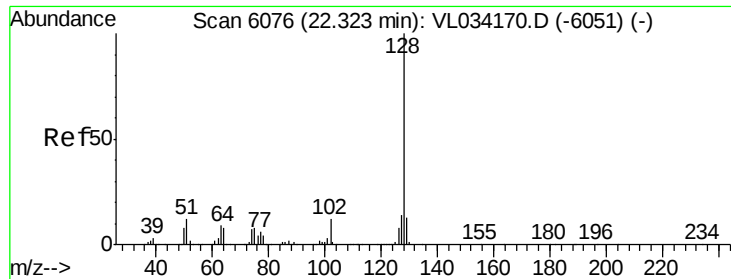
MMDadoda
 10/16/2019 12:59:15 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.122 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. -0.01 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.7	77.5
227	64.0	52.1	78.1





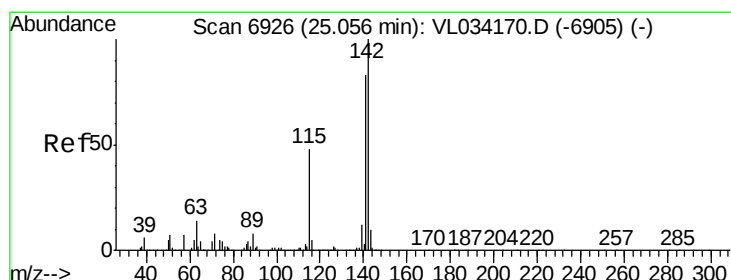
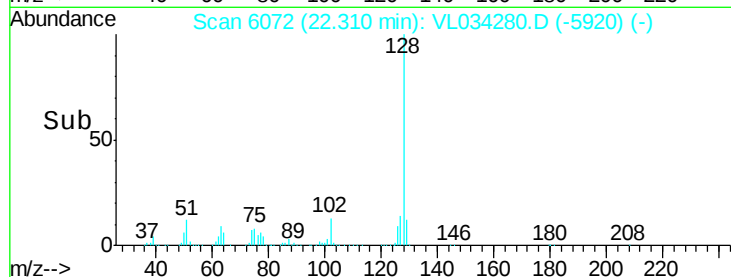
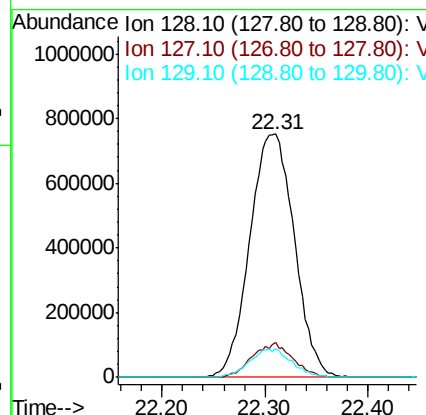
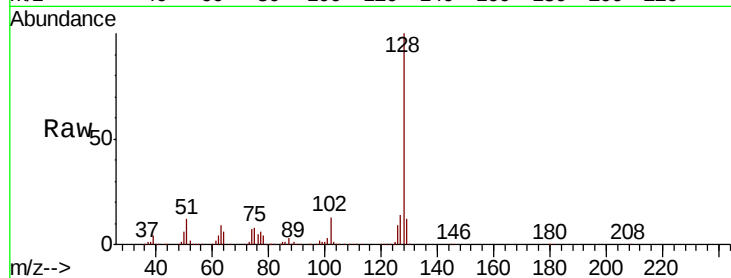
#79
Naphthalene
Concen: 8.685 ppbv
RT: 22.31 min Scan# 6072
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	11.1	16.7
129	11.7	10.2	15.4

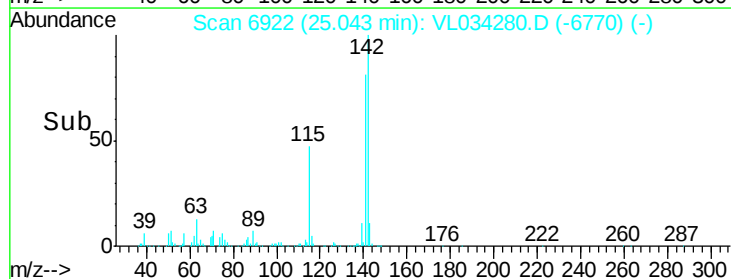
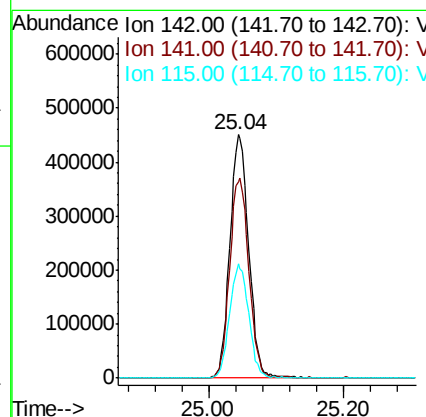
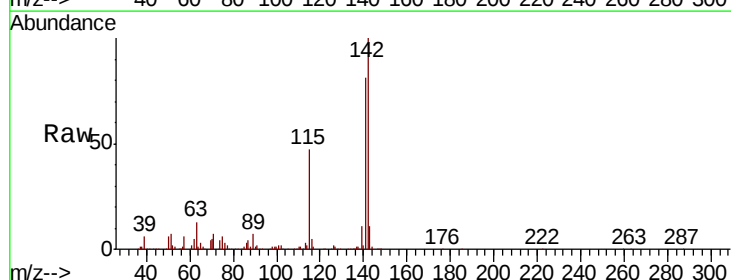
Manual Integrations
APPROVED

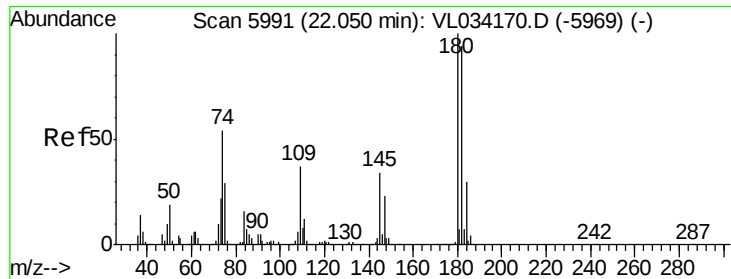
MMDadoda
10/16/2019 12:59:15 AM



#80
Naphthalene, 2-methyl-
Concen: 7.286 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034280.D
Acq: 14 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	47.5	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.602 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034280.D
 Acq: 14 Oct 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1014ABS01

Tot Ion:	180	Resp:	1237881
Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.2
184	31.1	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:59:15 AM

