

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030420\
 Data File : VL034788.D
 Acq On : 4 Mar 2020 14:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
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 3/4/2020 4:45:48 PM

Quant Time: Mar 04 15:47:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1026012	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2139265	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	2297758m	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.47	95	1870381m	9.76	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1134245	6.774	ppbv	99
3) Chlorodifluoromethane	2.95	51	1042991	8.923	ppbv	97
4) Chloromethane	3.11	50	580882	9.226	ppbv	94
5) Vinyl Chloride	3.22	62	611789	9.198	ppbv	98
6) Bromomethane	3.44	94	349098	9.616	ppbv	95
7) Chloroethane	3.53	64	209031	9.089	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1304120	8.966	ppbv	98
9) Propene	2.97	41	414218	9.003	ppbv	100
10) Heptane	8.14	43	1300373	11.121	ppbv	98
11) Trichlorofluoromethane	3.93	101	1386392	9.253	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	941546	9.108	ppbv	100
13) Ethanol	3.58	45	140798m	8.931	ppbv	
14) Bromoethene	3.71	108	407757	9.613	ppbv	97
15) Acetone	3.82	43	1515285	12.333	ppbv	90
16) 1,3-Butadiene	3.29	39	540671	9.726	ppbv	98
17) tert-Butyl alcohol	4.27	59	998340	10.305	ppbv	99
18) 1,1-Dichloroethene	4.27	96	441947	9.693	ppbv	94
19) Isopropyl Alcohol	3.94	45	800403	10.873	ppbv	99
20) Methylene Chloride	4.33	84	385784	8.798	ppbv	92
21) Allyl Chloride	4.39	41	760528	9.775	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	427687	9.609	ppbv	93
23) Vinyl Acetate	5.07	43	2092276	12.699	ppbv #	95
24) 1,1-Dichloroethane	5.01	63	1181602	9.240	ppbv	98
25) Ethyl Acetate	5.68	43	2363552	11.132	ppbv	96
26) Hexane	5.69	57	1413889	15.244	ppbv #	78
27) Carbon Disulfide	4.53	76	1128931	10.419	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1285718	9.313	ppbv	100
29) Chloroform	5.75	83	1445278	9.257	ppbv	98
30) Cyclohexane	7.14	84	839503	11.831	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	963204	10.125	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1400498	9.077	ppbv	98
34) 2-Butanone	5.24	43	1317003	9.463	ppbv	99
35) Carbon Tetrachloride	7.03	117	1485186	9.201	ppbv	99
36) Benzene	6.91	78	1972605	10.791	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1206701	9.664	ppbv	100
38) Trichloroethene	7.86	130	679051	9.531	ppbv	97
39) 1,2-Dichloropropane	7.63	63	714922	9.691	ppbv	94
40) 1,4-Dioxane	7.85	88	270275	10.592	ppbv #	100
41) Tetrahydrofuran	6.05	42	718502	10.118	ppbv	100
42) Bromodichloromethane	7.81	83	1595006	10.096	ppbv	99
43) Methyl Methacrylate	8.03	69	839261	10.834	ppbv	99

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Manual Integrations
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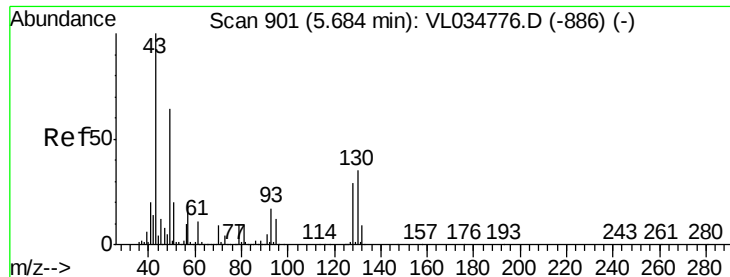
apatel
 3/4/2020 4:45:48 PM

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	3295077	10.315	ppbv	97
45) t-1,3-Dichloropropene	9.31	75	1008097	12.397	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1158743	11.669	ppbv	100
47) 1,1,2-Trichloroethane	9.51	97	744638	9.561	ppbv	89
48) Dibromochloromethane	10.34	129	1261030	10.354	ppbv	99
49) Bromoform	13.09	173	1080320	10.165	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2037589	10.218	ppbv	99
51) 2-Hexanone	10.16	43	1681832	10.751	ppbv	100
52) Tetrachloroethene	11.26	164	658019	9.743	ppbv	94
53) Toluene	9.83	91	2141906	11.071	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1142916	9.924	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	930060	9.135	ppbv #	63
57) Chlorobenzene	12.19	112	1567545	8.931	ppbv	97
58) Ethyl Benzene	12.75	91	2852777	10.075	ppbv	98
59) m/p-Xylene	13.03	91	4679243m	19.090	ppbv	
60) o-Xylene	13.73	91	2296794	9.261	ppbv	99
61) Styrene	13.57	104	1605640	10.436	ppbv	99
62) Isopropylbenzene	14.72	105	3270946	8.961	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1603487	8.202	ppbv	99
64) n-propylbenzene	15.61	120	832281	9.094	ppbv	96
65) tert-Butylbenzene	16.80	119	2829460	9.173	ppbv	99
66) Benzyl Chloride	17.04	91	1236187	12.396	ppbv	100
67) sec-Butylbenzene	17.35	105	4077652	9.072	ppbv	99
69) p-Isopropyltoluene	17.70	119	3341333	9.186	ppbv	99
70) n-Butylbenzene	18.60	91	3650606	9.178	ppbv	99
71) 2-Chlorotoluene	15.51	91	2536333	9.200	ppbv	100
72) 4-Ethyltoluene	15.89	105	2636832	9.549	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2477356	9.353	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2589094	8.992	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	1485606	8.716	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1478541	9.065	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1470762	9.020	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1291621	9.492	ppbv	98
79) Naphthalene	22.28	128	2569299	11.874	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	1144779	22.151	ppbv	97
81) 1,2,4-Trichlorobenzene	22.00	180	1470526	10.751	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1026012

Ion Ratio Lower Upper

49 100

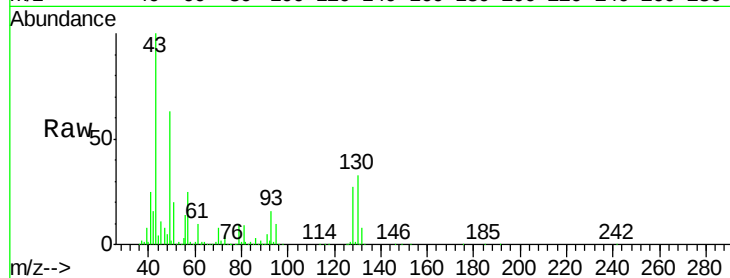
128 43.0 21.6 64.6

130 55.1 27.4 82.2

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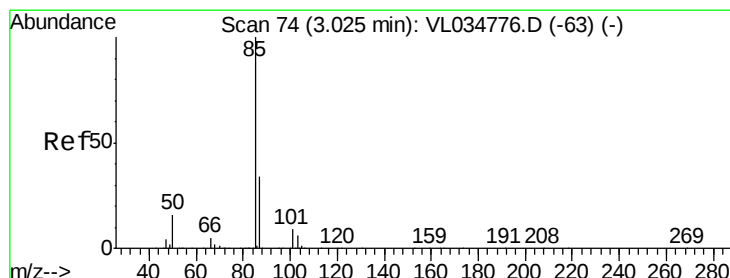
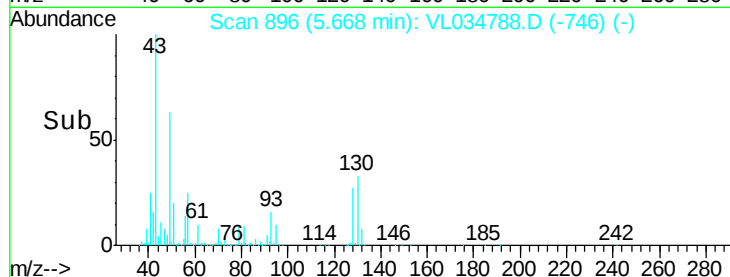
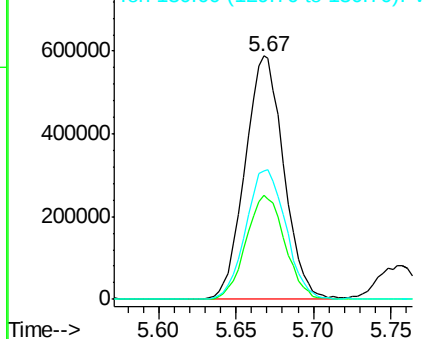
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.774 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL034788.D

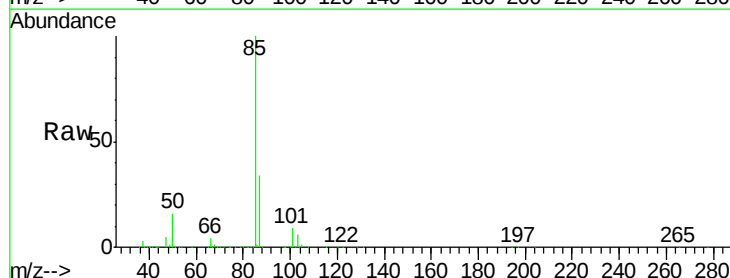
Acq: 4 Mar 2020 14:39

Tgt Ion: 85 Resp: 1134245

Ion Ratio Lower Upper

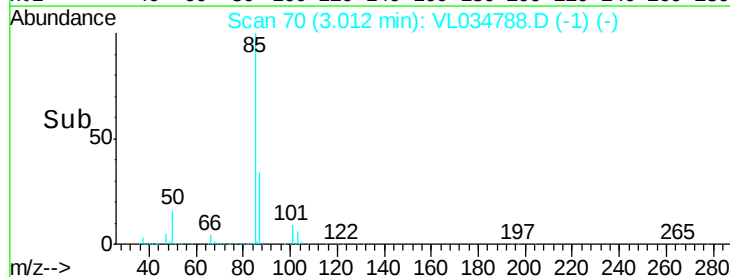
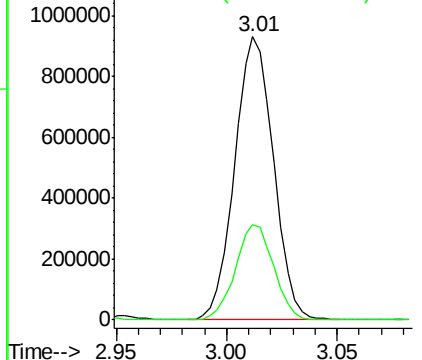
85 100

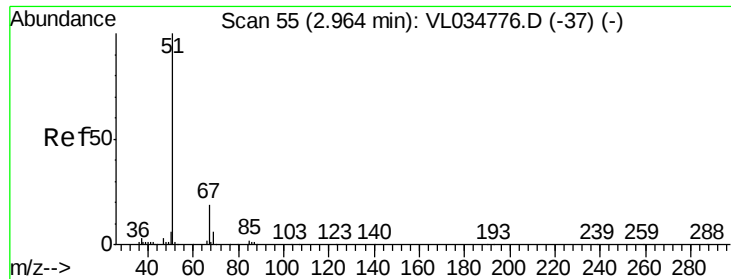
87 33.6 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.923 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1042991

Ion Ratio Lower Upper

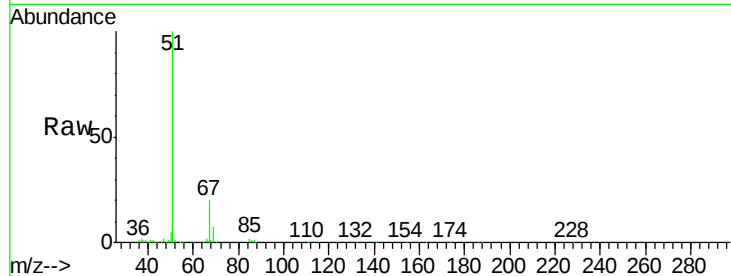
51 100

67 20.4 15.3 22.9

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

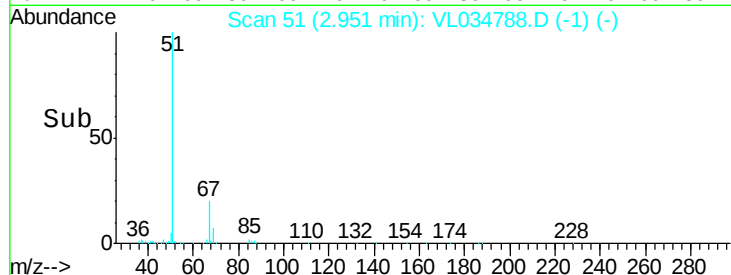
600000

400000

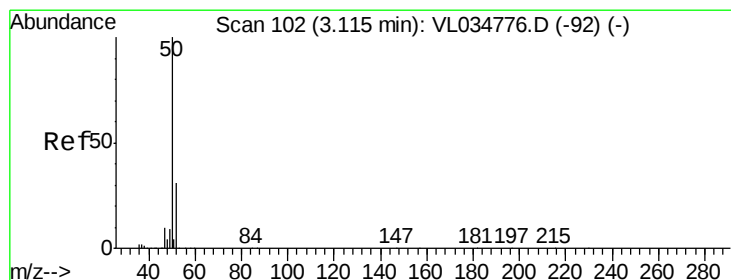
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.226 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.01 min

Lab File: VL034788.D

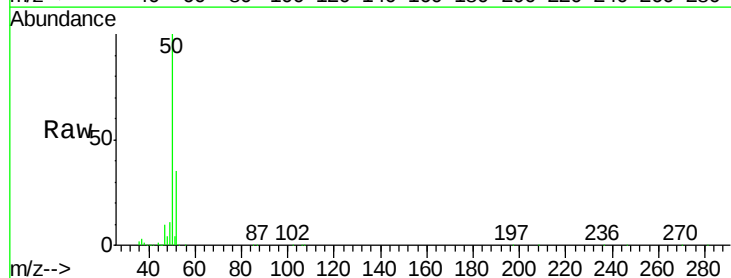
Acq: 4 Mar 2020 14:39

Tgt Ion: 50 Resp: 580882

Ion Ratio Lower Upper

50 100

52 34.6 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

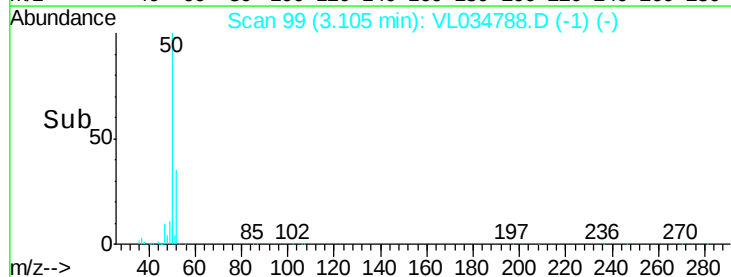
300000

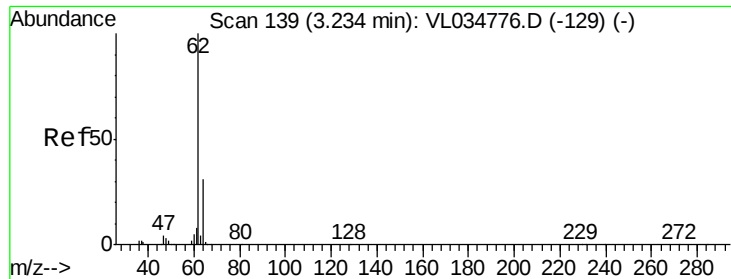
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.198 ppbv

RT: 3.22 min Scan# 136

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 611789

Ion Ratio Lower Upper

62 100

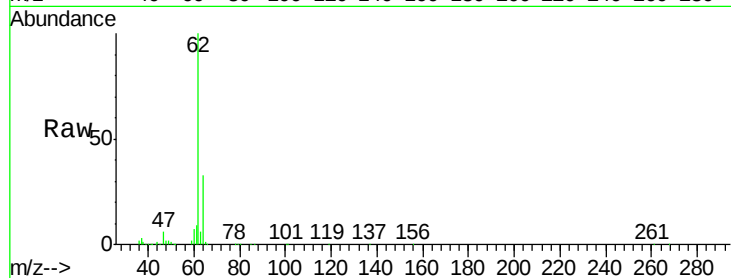
64 32.4 25.1 37.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

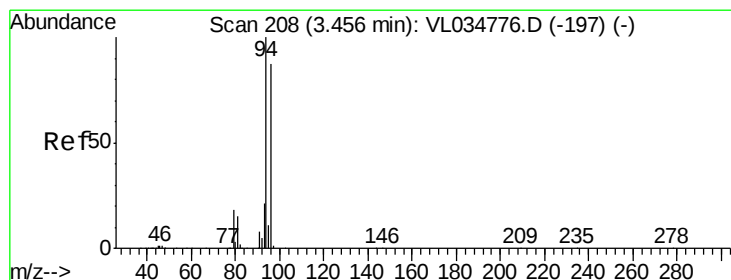
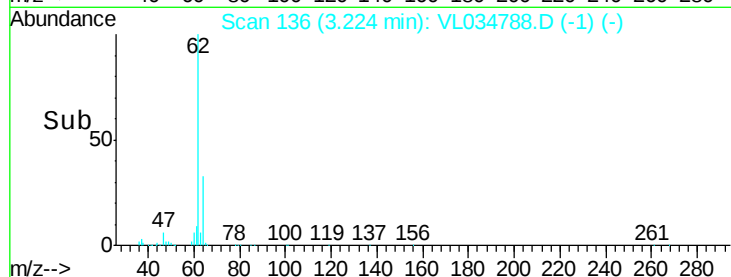
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.616 ppbv

RT: 3.44 min Scan# 204

Delta R.T. -0.01 min

Lab File: VL034788.D

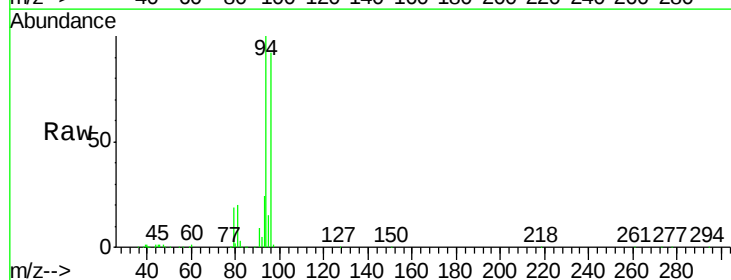
Acq: 4 Mar 2020 14:39

Tgt Ion: 94 Resp: 349098

Ion Ratio Lower Upper

94 100

96 91.9 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

250000

200000

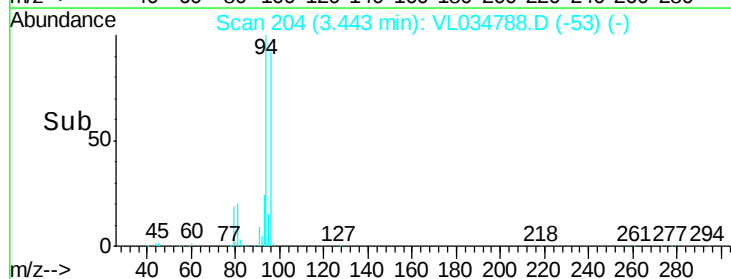
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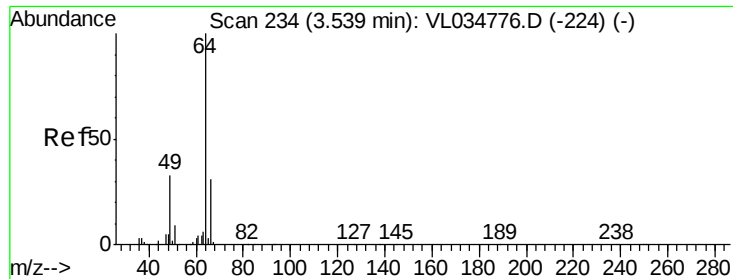
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.089 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 209031

Ion Ratio Lower Upper

64 100

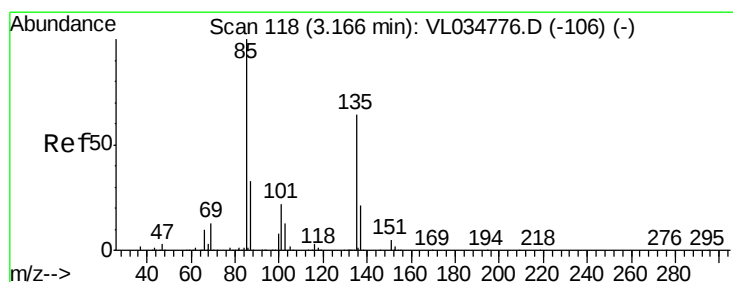
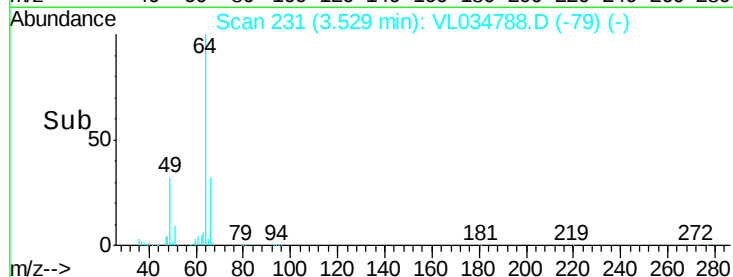
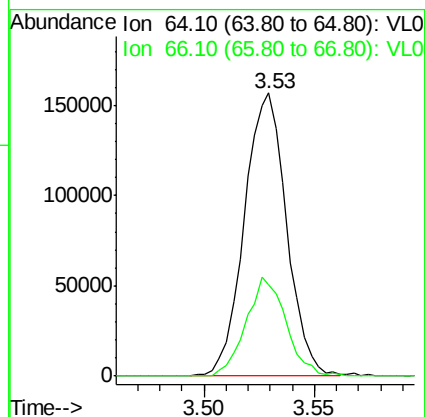
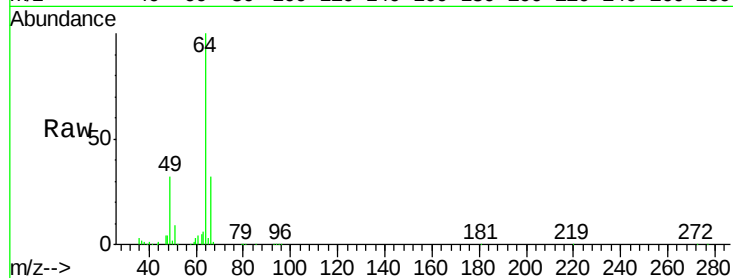
66 32.1 24.8 37.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.966 ppbv

RT: 3.15 min Scan# 114

Delta R.T. -0.01 min

Lab File: VL034788.D

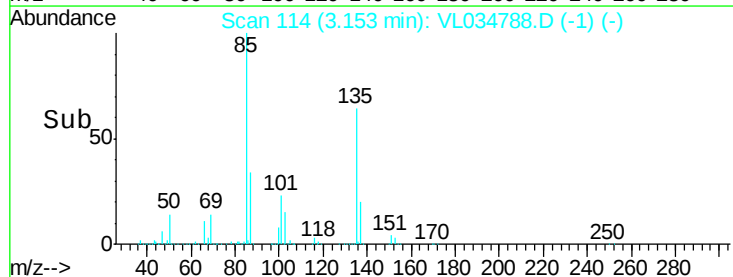
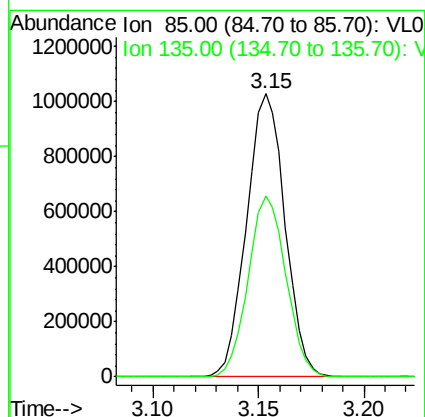
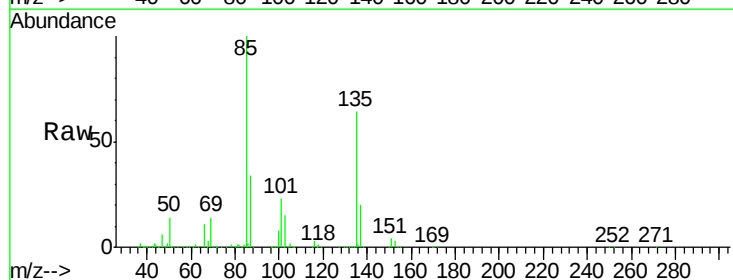
Acq: 4 Mar 2020 14:39

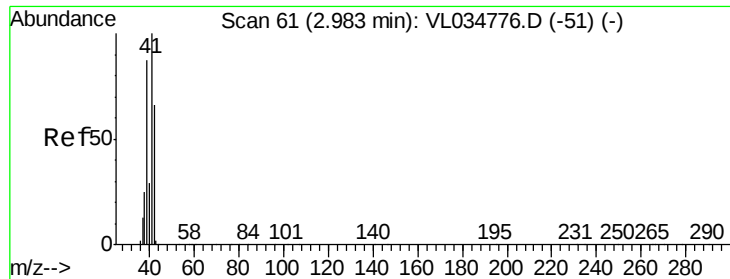
Tgt Ion: 85 Resp: 1304120

Ion Ratio Lower Upper

85 100

135 63.1 49.4 74.2





#9

Propene

Concen: 9.003 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 414218

Ion Ratio Lower Upper

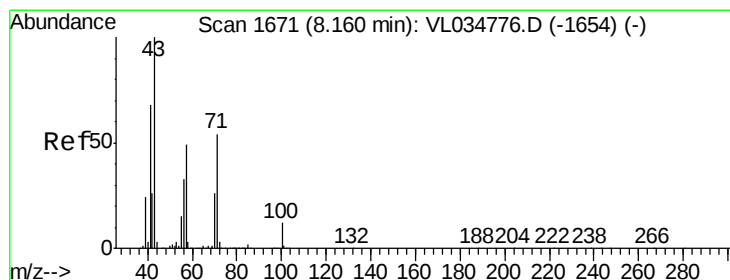
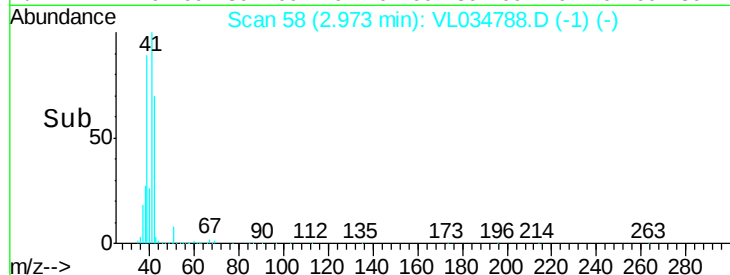
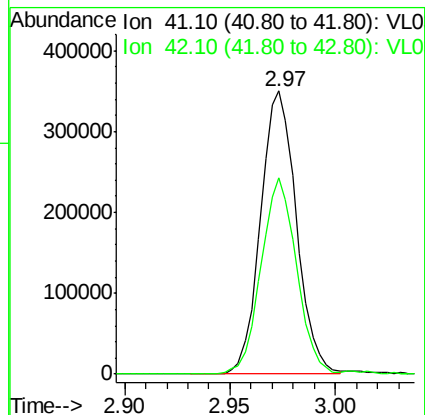
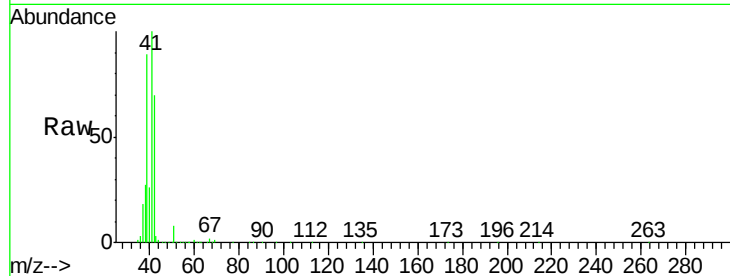
41 100

42 69.8 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 11.121 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034788.D

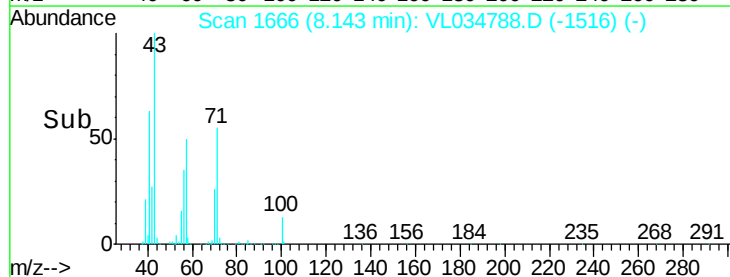
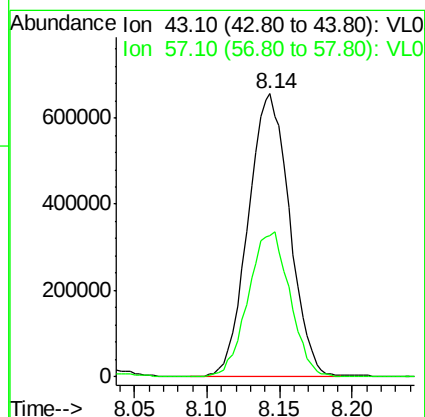
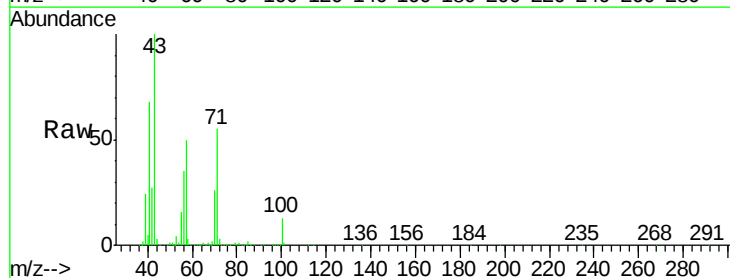
Acq: 4 Mar 2020 14:39

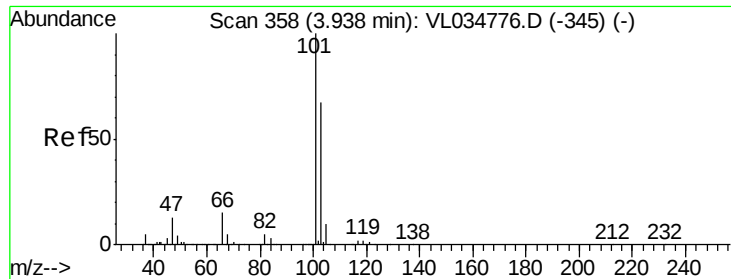
Tgt Ion: 43 Resp: 1300373

Ion Ratio Lower Upper

43 100

57 51.9 40.5 60.7





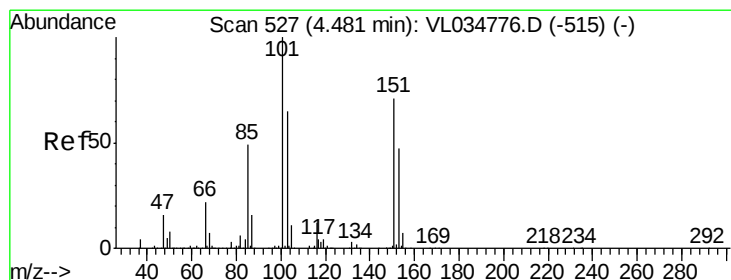
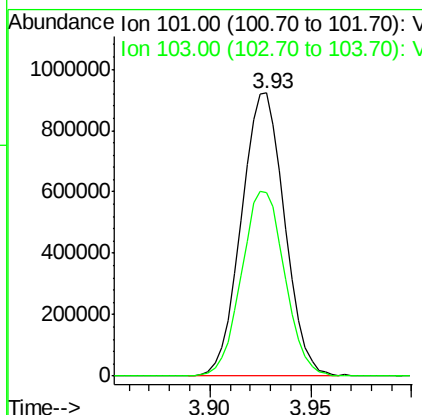
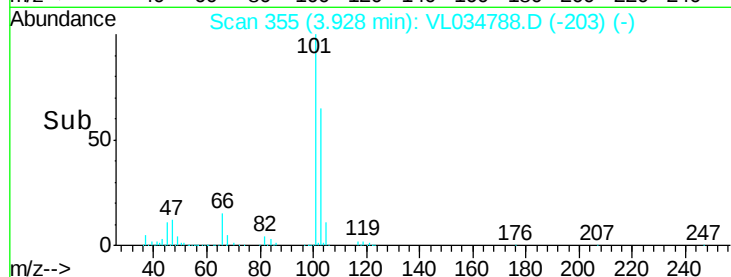
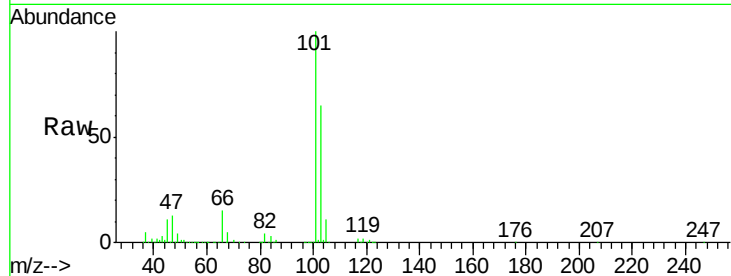
#11
 Trichlorofluoromethane
 Concen: 9.253 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1386392
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.6 80.4

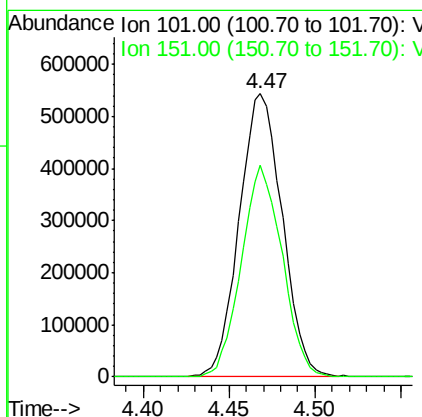
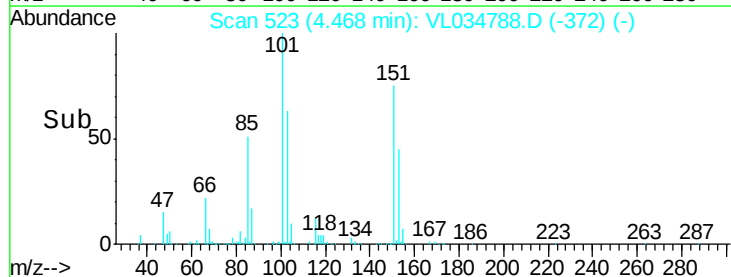
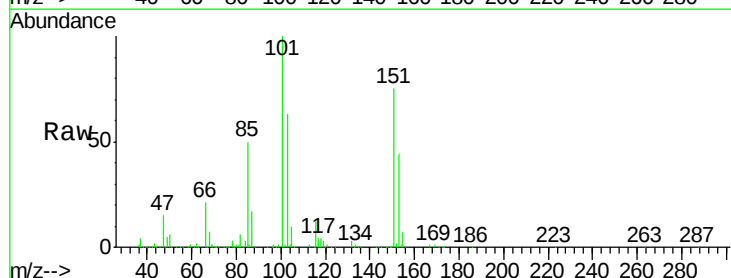
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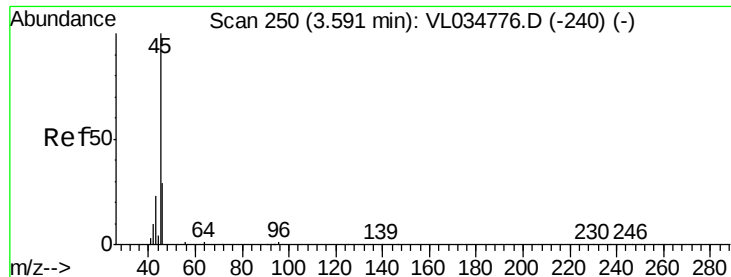
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.108 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion:101 Resp: 941546
 Ion Ratio Lower Upper
 101 100
 151 71.0 56.6 85.0





#13

Ethanol

Concen: 8.931 ppbv m

RT: 3.58 min Scan# 247

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 140798

Ion Ratio Lower Upper

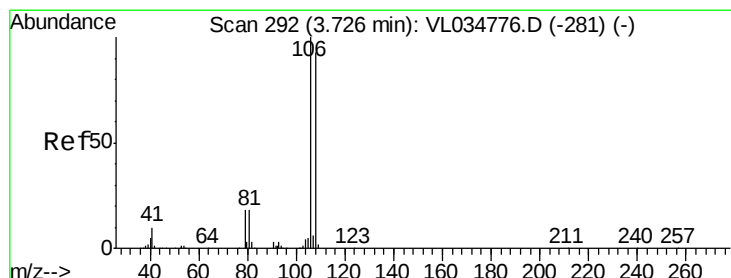
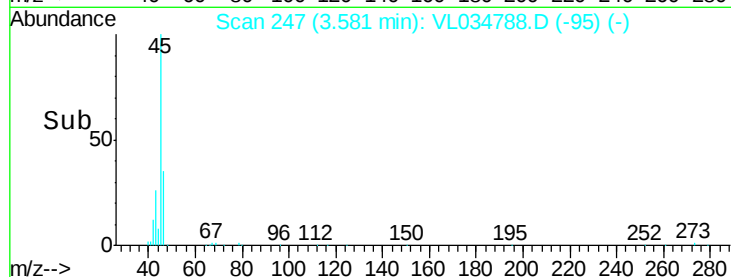
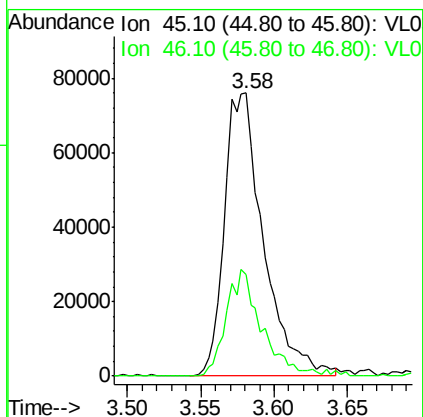
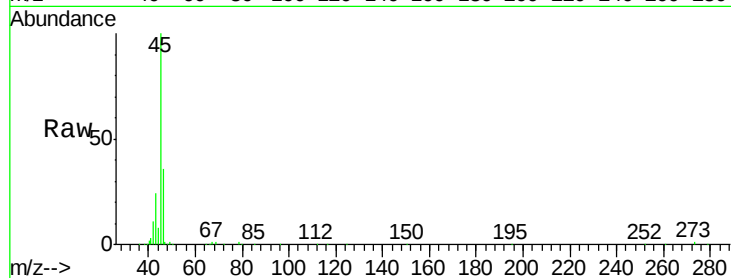
45 100

46 34.9 14.7 58.9

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#14

Bromoethene

Concen: 9.613 ppbv

RT: 3.71 min Scan# 288

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

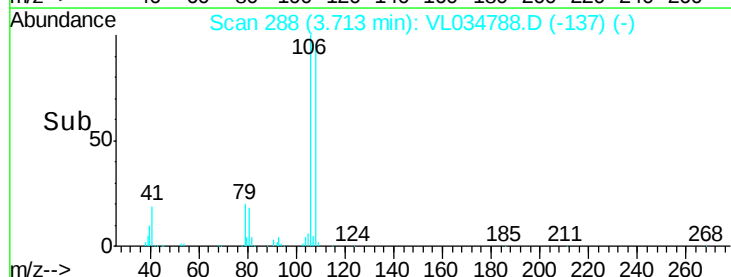
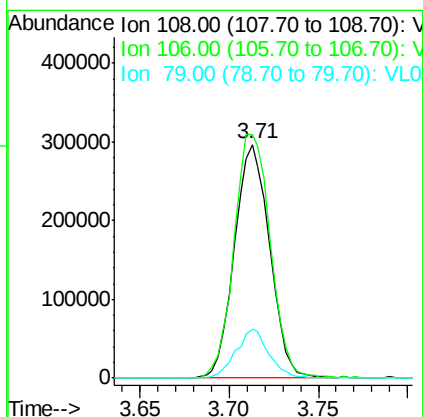
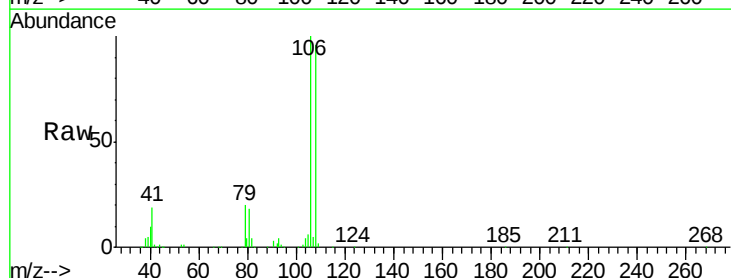
Tgt Ion: 108 Resp: 407757

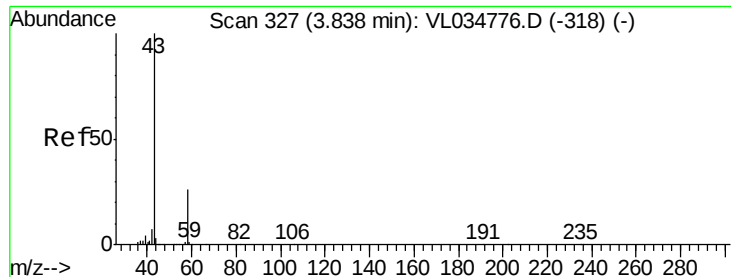
Ion Ratio Lower Upper

108 100

106 108.0 83.5 125.3

79 19.9 15.6 23.4





#15

Acetone

Concen: 12.333 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1515285

Ion Ratio Lower Upper

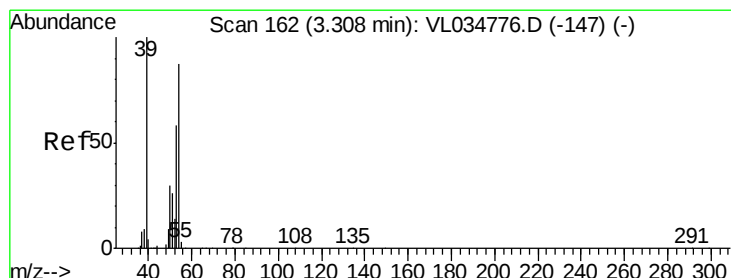
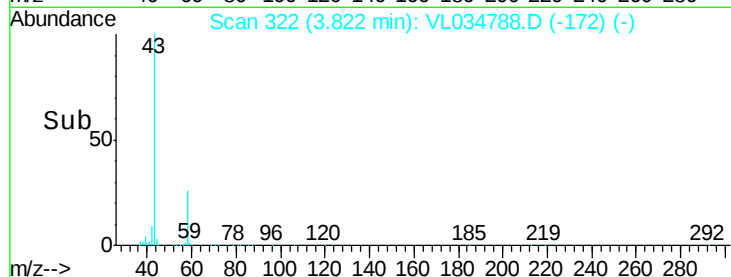
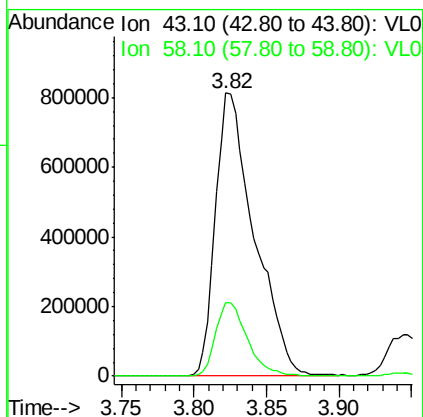
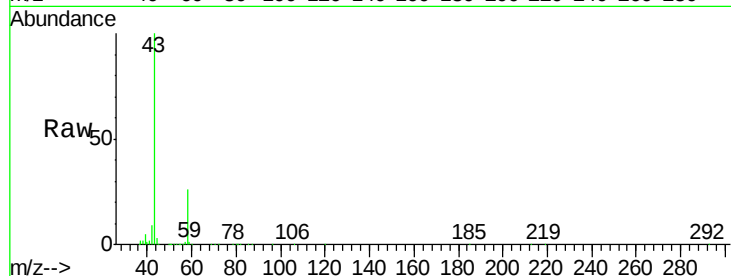
43 100

58 21.4 21.0 31.6

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#16

1,3-Butadiene

Concen: 9.726 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.01 min

Lab File: VL034788.D

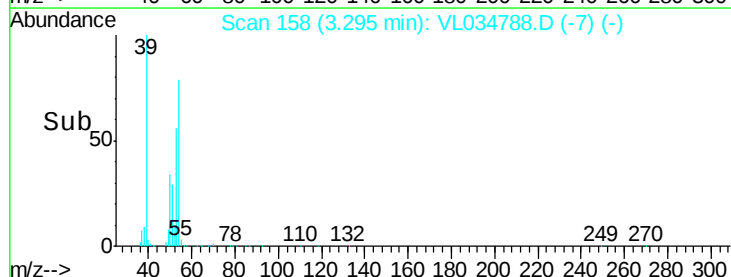
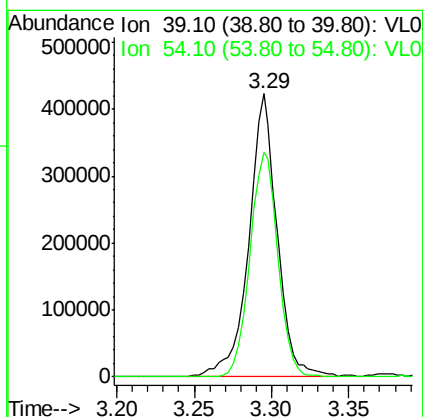
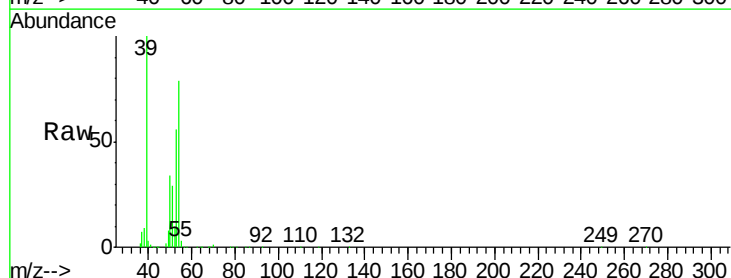
Acq: 4 Mar 2020 14:39

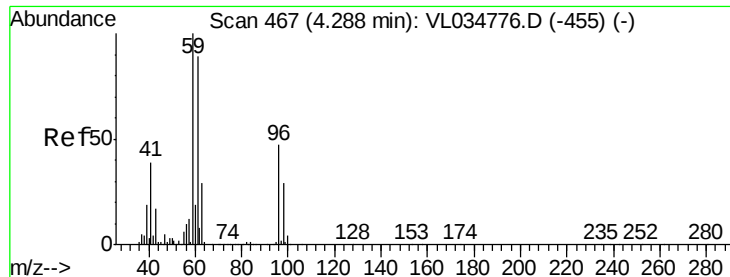
Tgt Ion: 39 Resp: 540671

Ion Ratio Lower Upper

39 100

54 78.7 64.2 96.2





#17

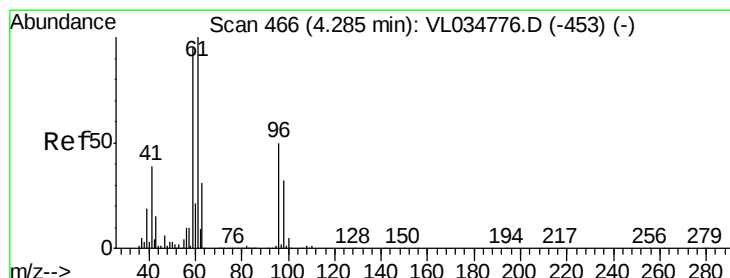
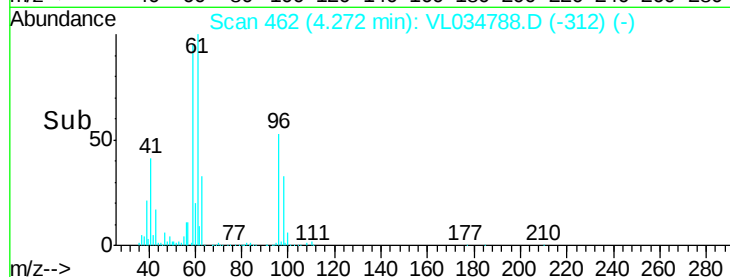
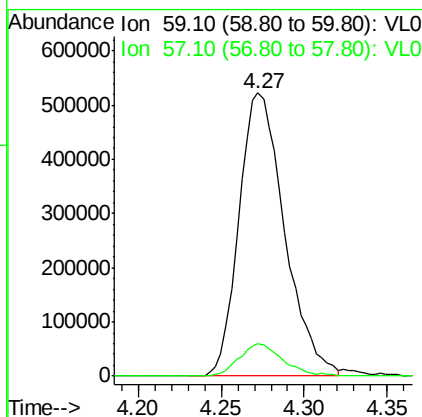
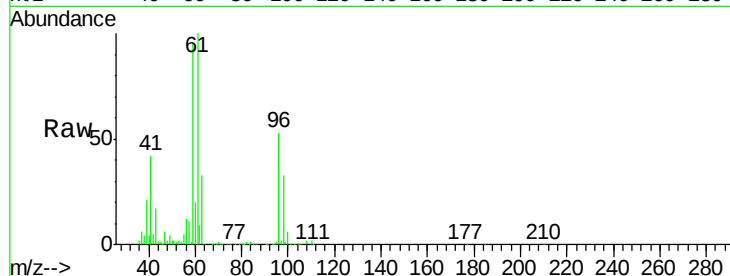
tert-Butyl alcohol
Concen: 10.305 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59.10	Resp	998340
Ion Ratio	100	Lower	Upper
57	11.0	8.6	13.0

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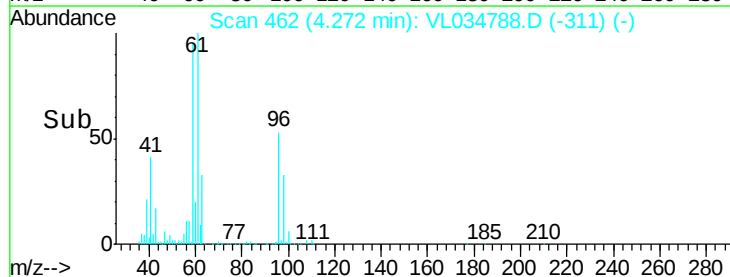
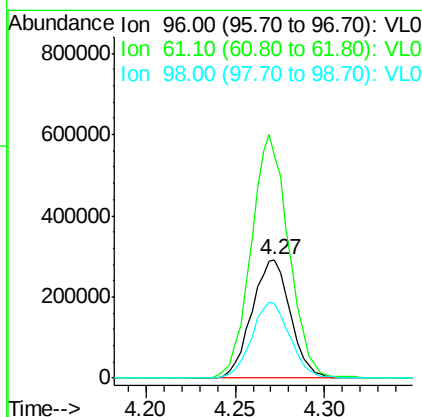
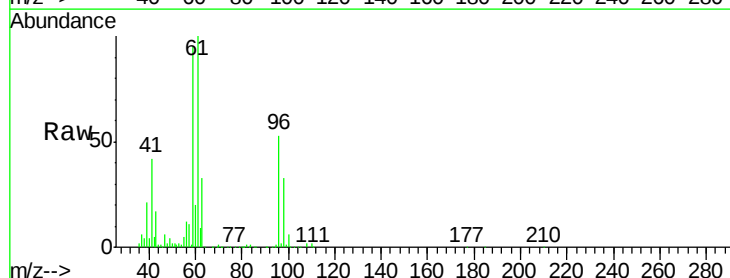
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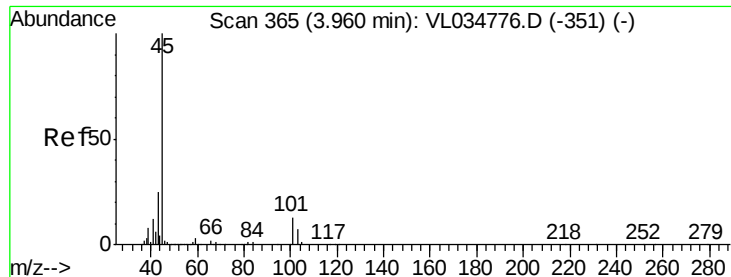


#18

1,1-Dichloroethene
Concen: 9.693 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	96	Resp	441947
Ion Ratio	100	Lower	Upper
61	189.1	159.5	239.3
98	62.6	51.1	76.7





#19

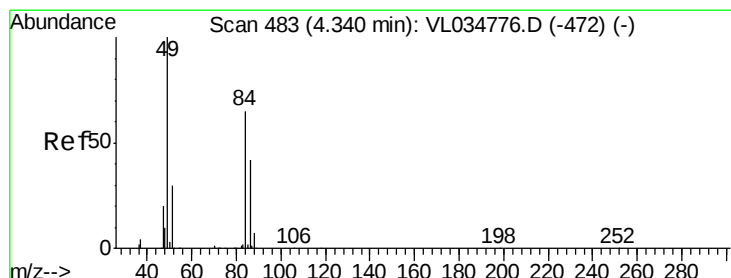
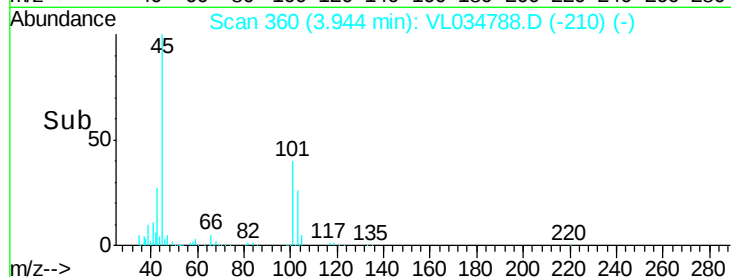
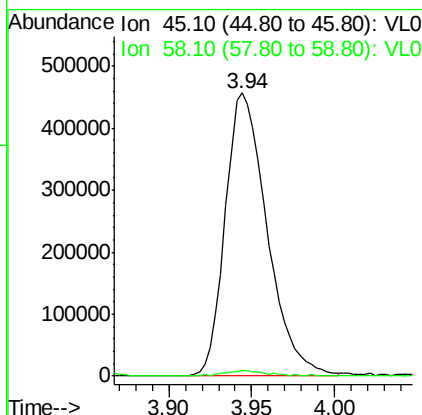
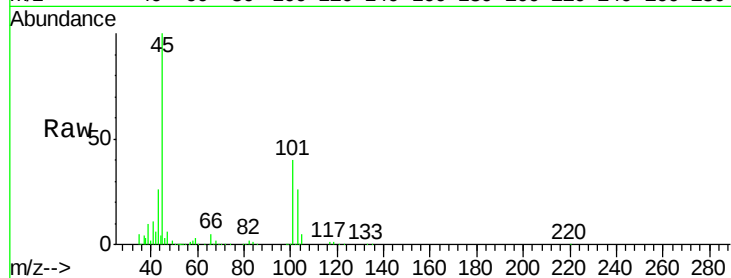
Isopropyl Alcohol
 Concen: 10.873 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.5	1.8	2.8

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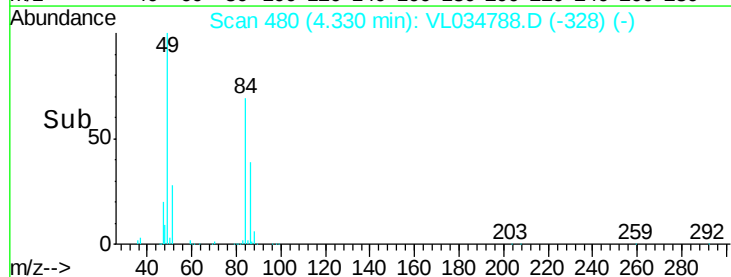
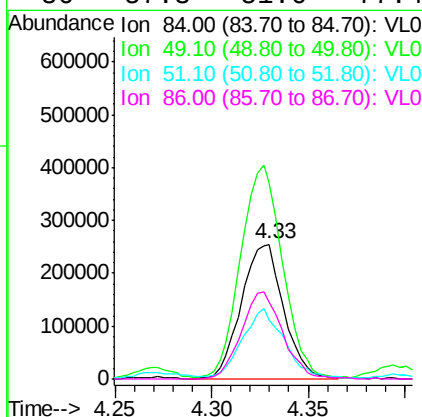
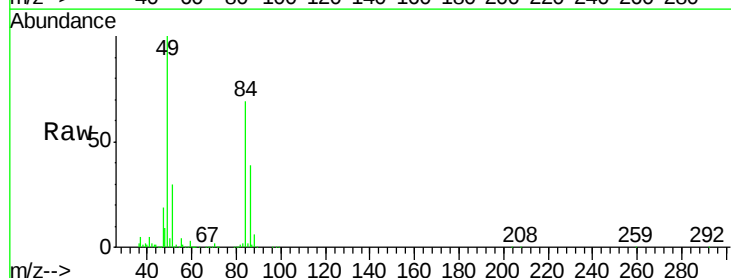
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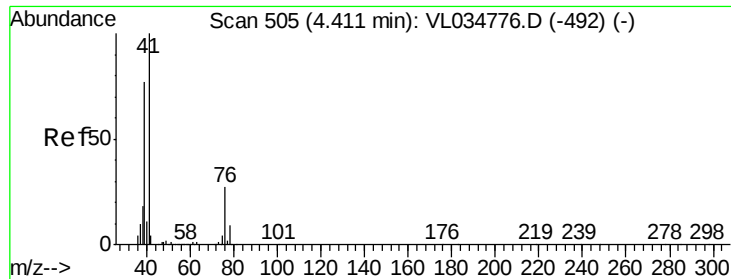


#20

Methylene Chloride
 Concen: 8.798 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.9	123.2	184.8
51	42.3	37.4	56.2
86	57.3	51.6	77.4





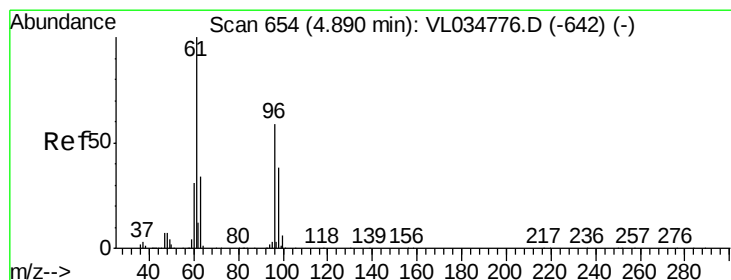
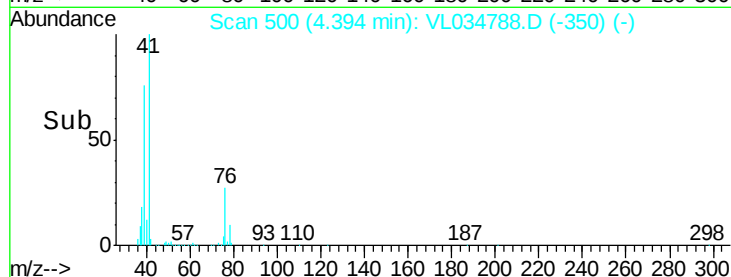
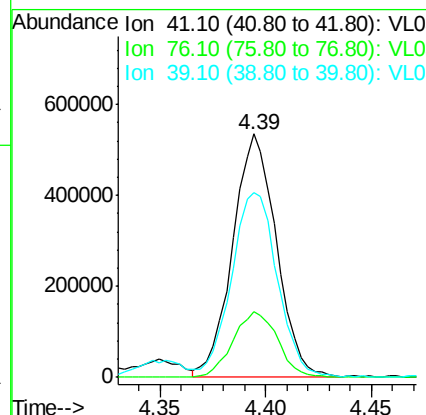
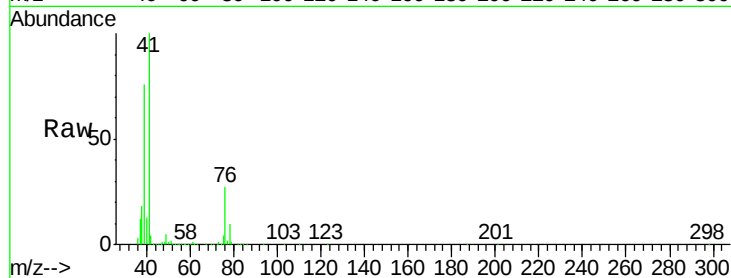
#21
Allvl Chloride
Concen: 9.775 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.9	22.5	33.7
39	86.7	65.0	97.6

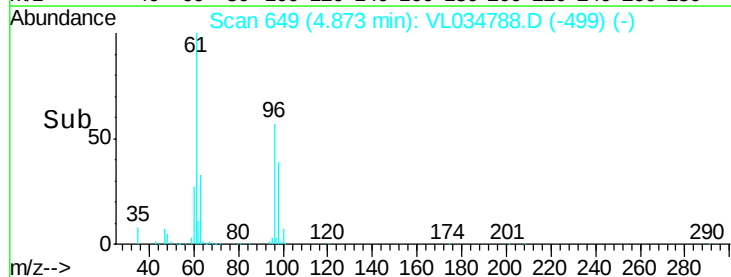
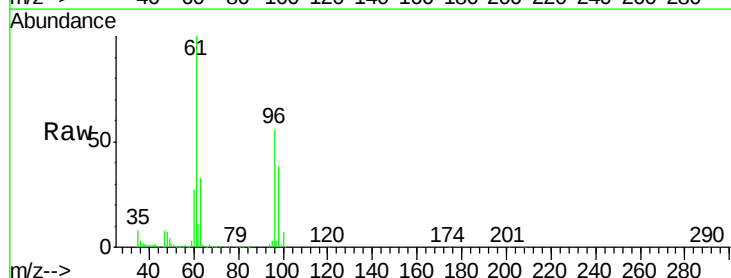
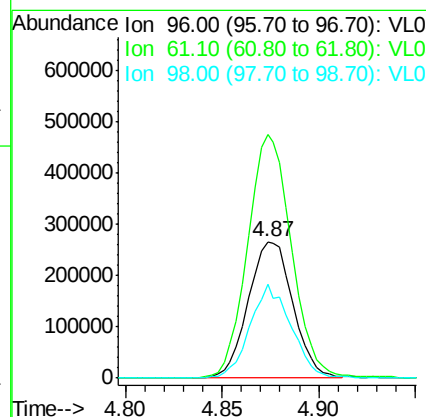
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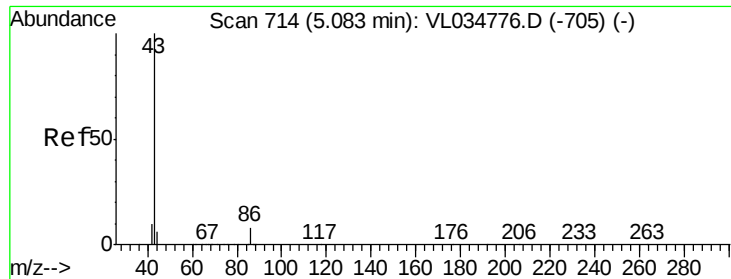
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#22
trans-1,2-Dichloroethene
Concen: 9.609 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.2	135.2	202.8
98	68.4	50.8	76.2





#23

Vinyl Acetate

Concen: 12.699 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2092276

Ion Ratio Lower Upper

43 100

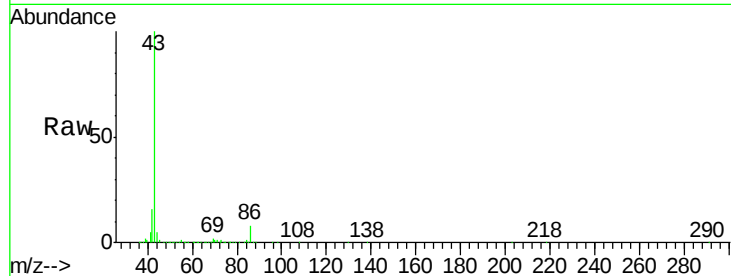
86 9.3 5.9 8.9#

42 7.4 8.2 12.2#

44 5.8 4.5 6.7

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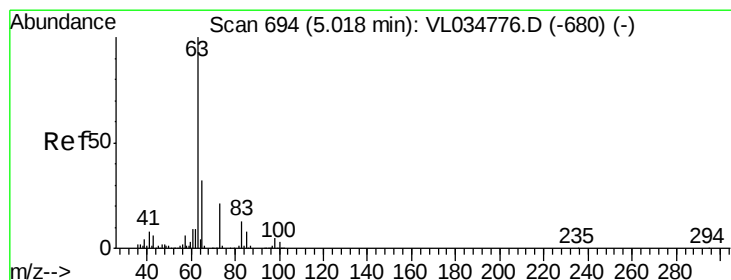
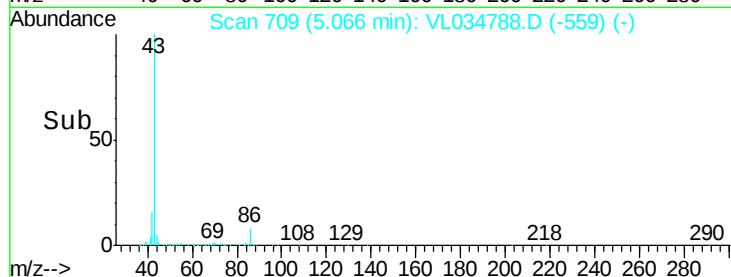
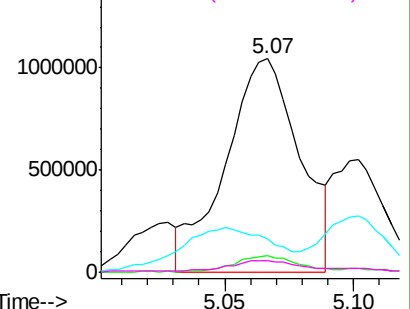


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.240 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

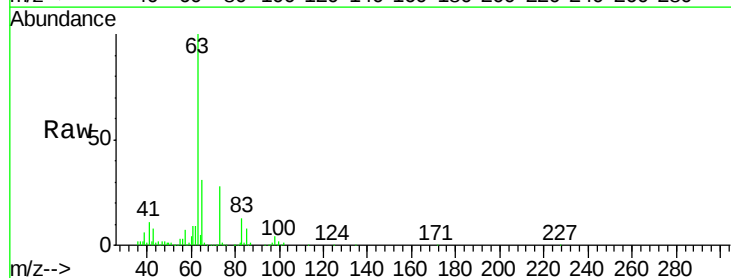
Tgt Ion: 63 Resp: 1181602

Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.8

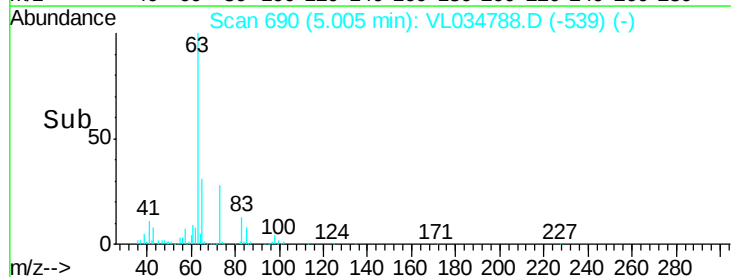
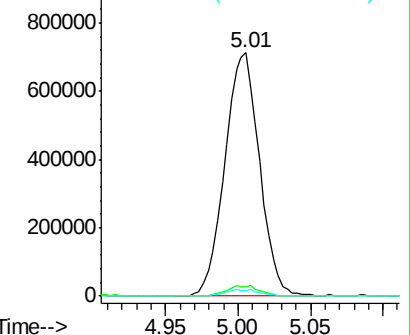
100 2.2 1.5 4.4

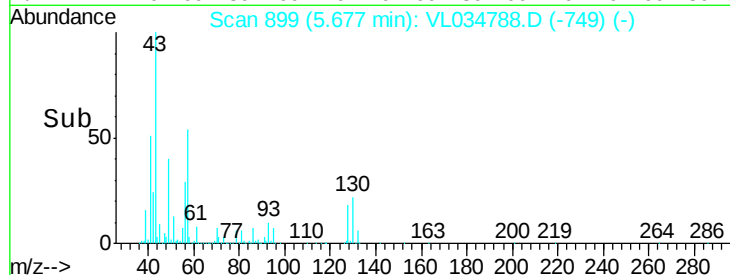
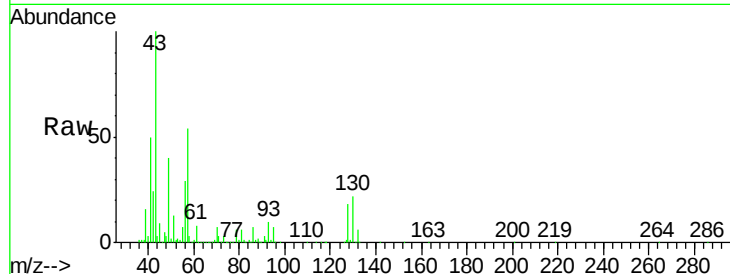
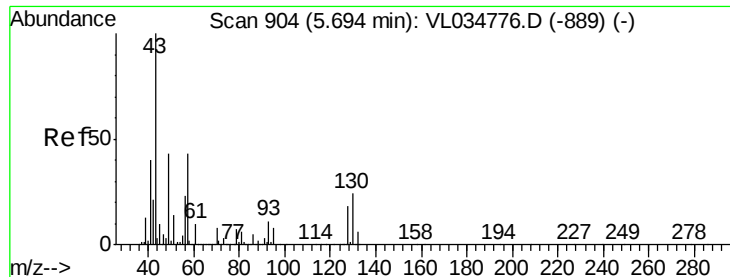


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

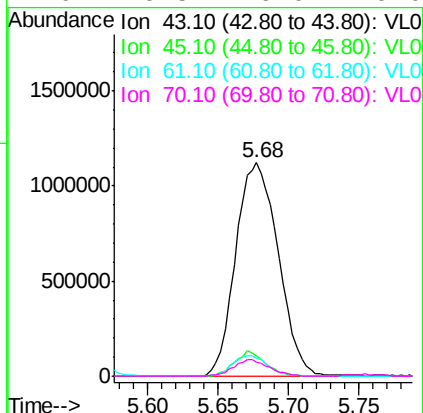
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 11.132 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

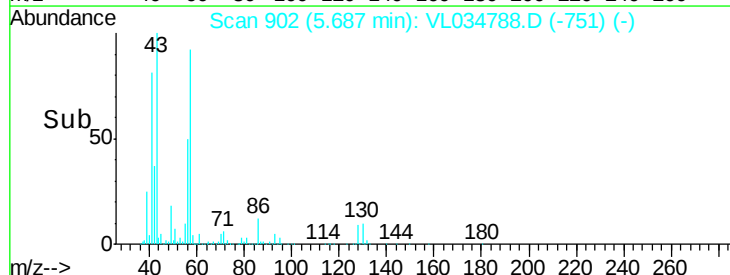
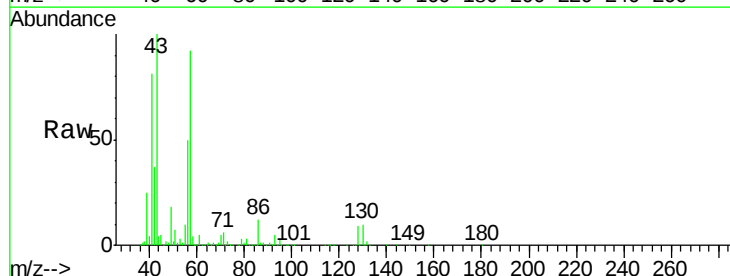
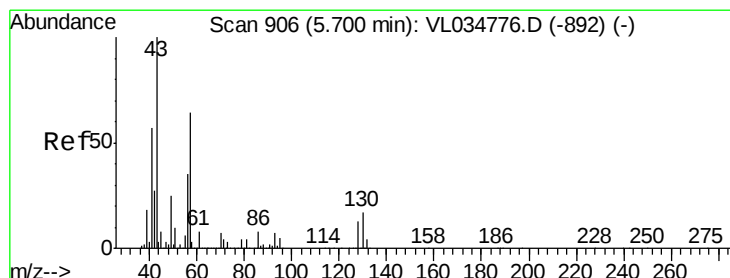
Tot Ion	43	Resp	2363552
Ion	Ratio	Lower	Upper
43	100		
45	8.7	8.2	12.4
61	8.2	7.5	11.3
70	6.5	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

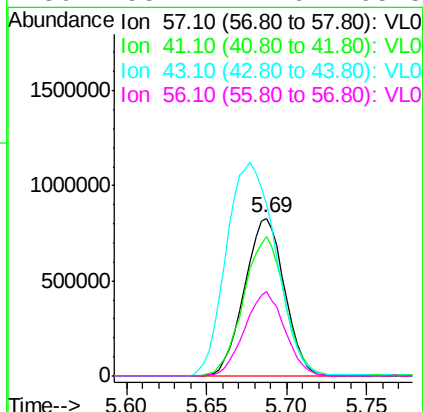
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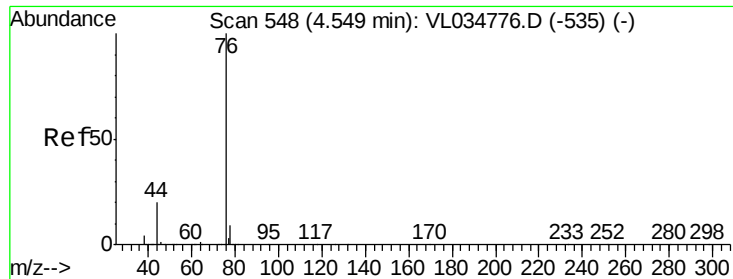
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#26
Hexane
Concen: 15.244 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	57	Resp	1413889
Ion	Ratio	Lower	Upper
57	100		
41	92.3	72.0	108.0
43	167.8	179.1	268.7#
56	53.7	42.6	63.8





#27

Carbon Disulfide

Concen: 10.419 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1128931

Ion Ratio Lower Upper

76 100

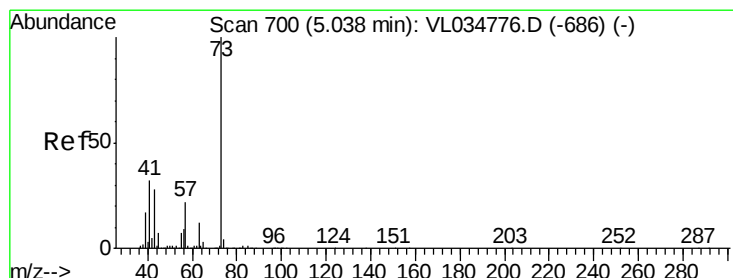
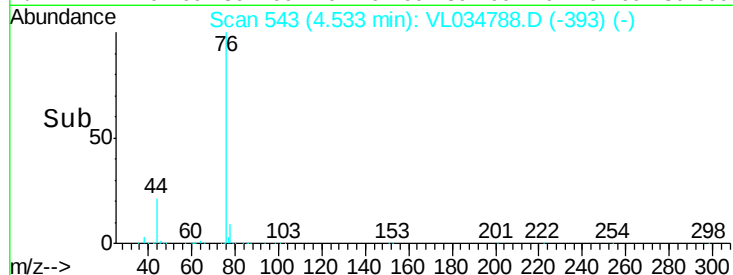
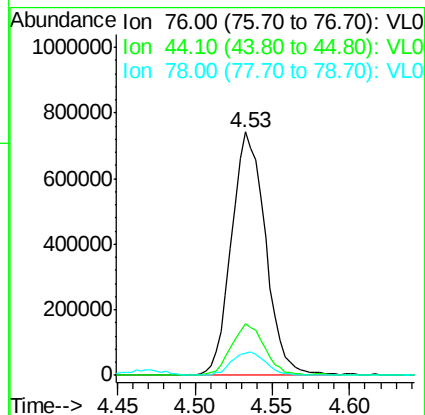
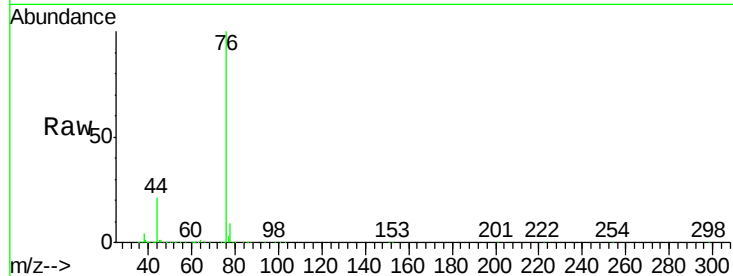
44 20.6 16.1 24.1

78 9.8 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 9.313 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034788.D

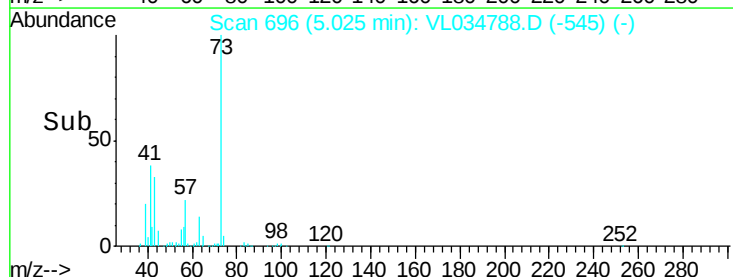
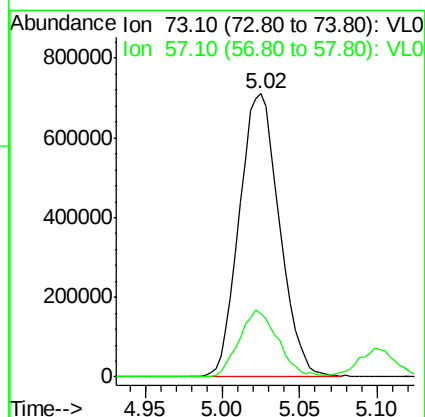
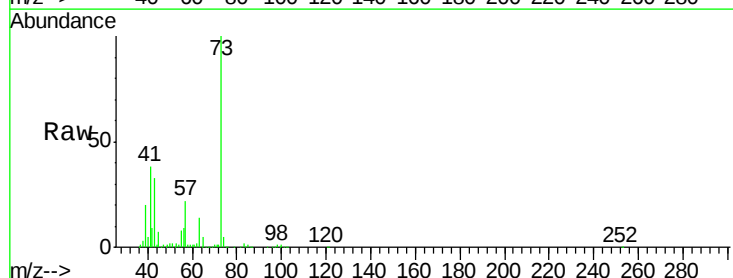
Acq: 4 Mar 2020 14:39

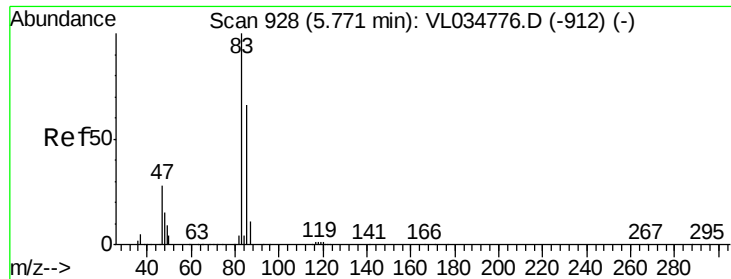
Tgt Ion: 73 Resp: 1285718

Ion Ratio Lower Upper

73 100

57 23.0 18.5 27.7





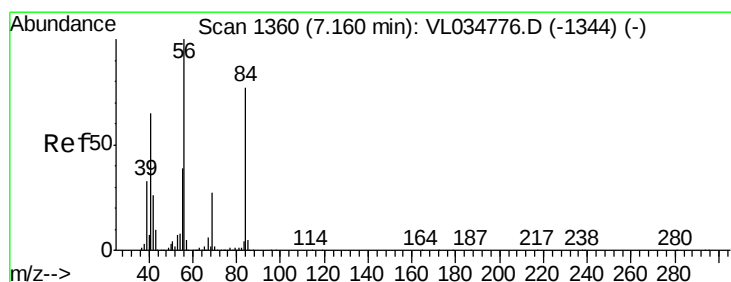
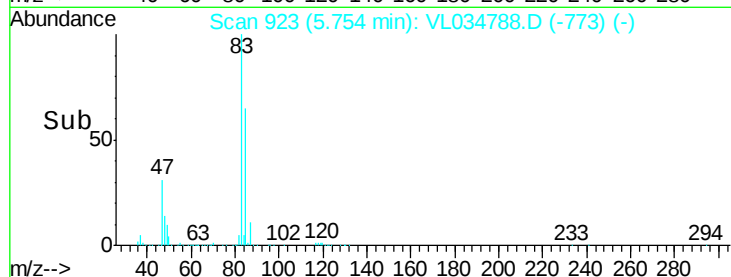
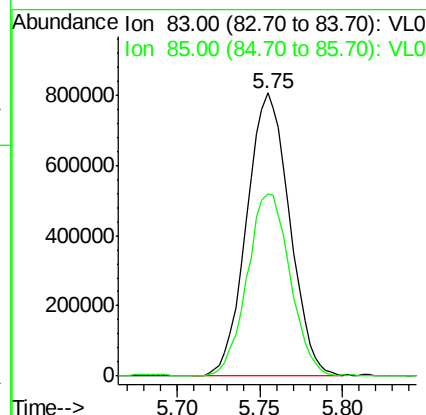
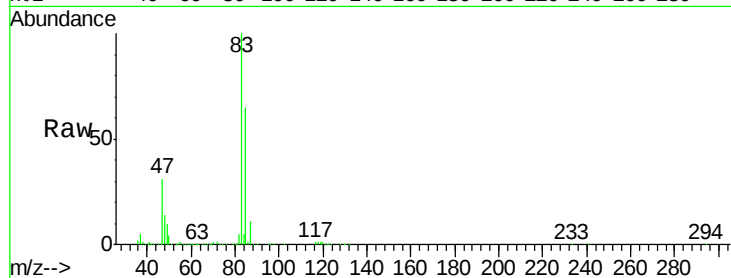
#29
Chloroform
Concen: 9.257 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1445278
Ion Ratio Lower Upper
83 100
85 64.5 53.0 79.4

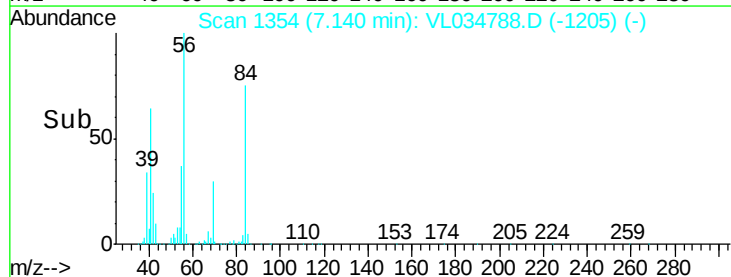
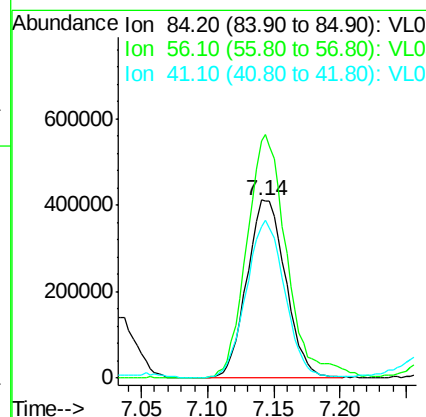
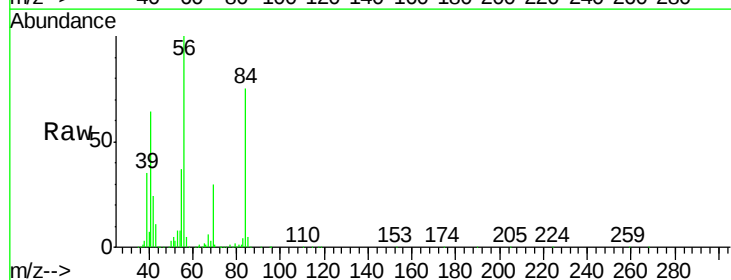
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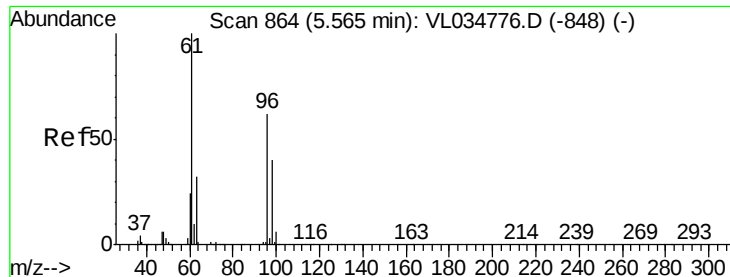
apatel
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#30
Cyclohexane
Concen: 11.831 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 84 Resp: 839503
Ion Ratio Lower Upper
84 100
56 141.1 113.2 169.8
41 87.5 70.2 105.4





#31

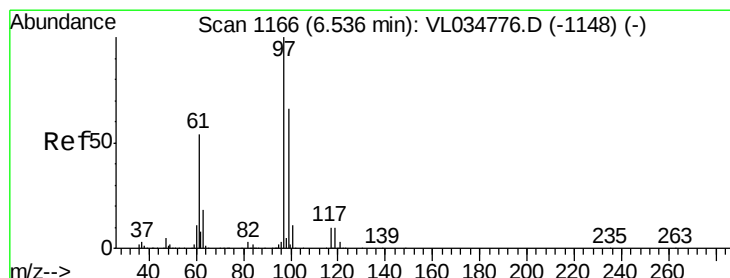
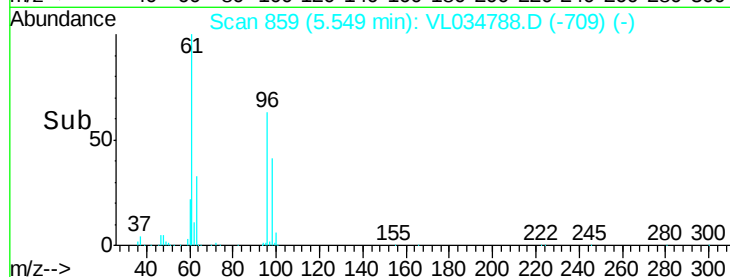
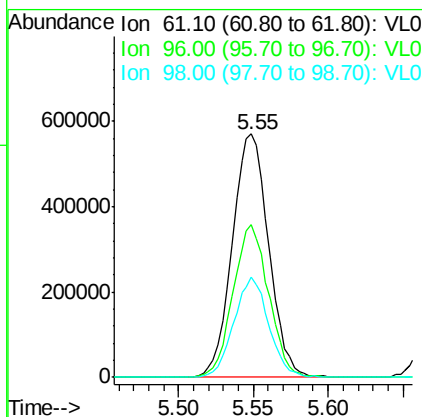
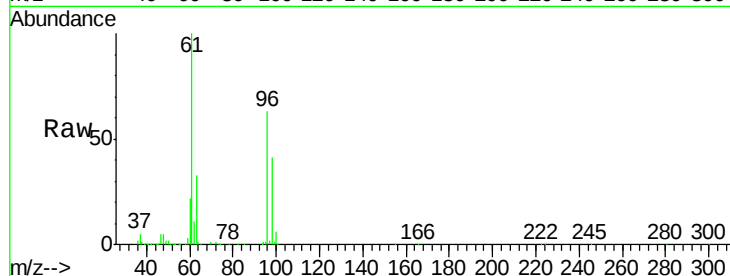
cis-1,2-Dichloroethene
 Concen: 10.125 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.7	49.7	74.5
98	41.0	31.9	47.9

Manual Integrations
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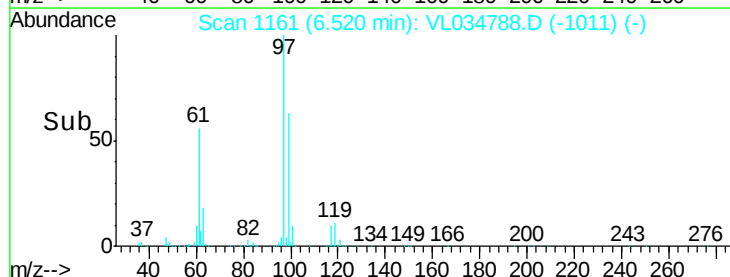
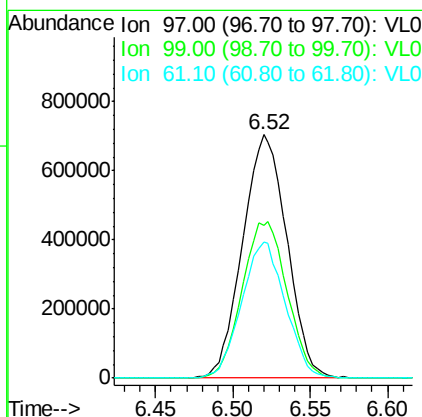
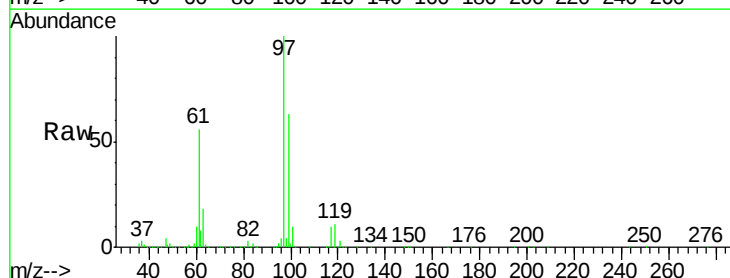
apatel
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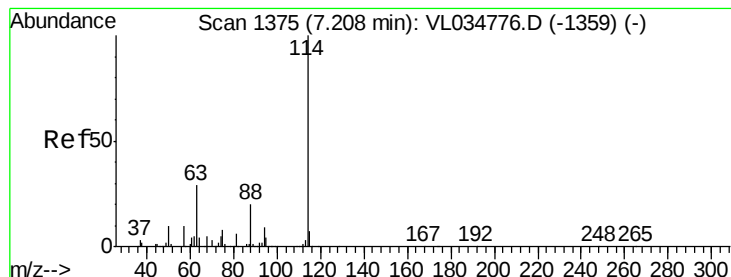


#32

1,1,1-Trichloroethane
 Concen: 9.077 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.7	77.5
61	55.6	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 2139265

Ion Ratio Lower Upper

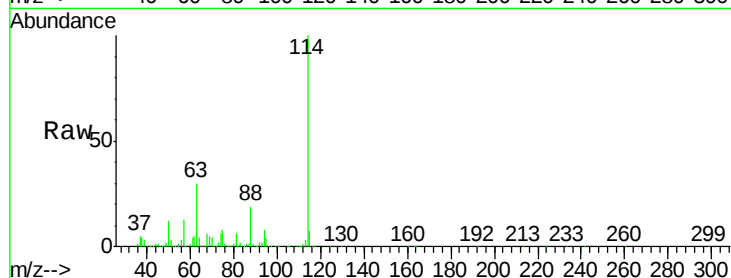
114 100

63 29.6 23.6 35.4

88 19.6 15.8 23.8

Manual Integrations
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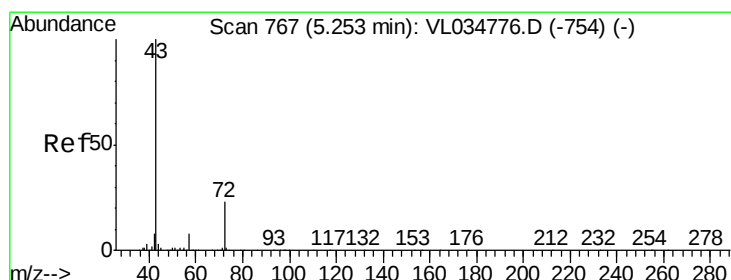
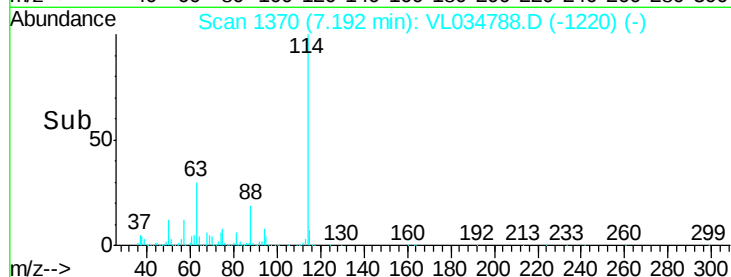
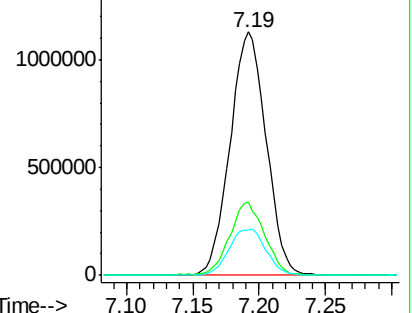
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.463 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.02 min

Lab File: VL034788.D

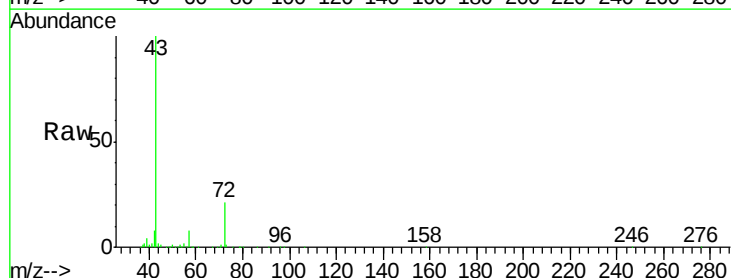
Acq: 4 Mar 2020 14:39

Tgt Ion: 43 Resp: 1317003

Ion Ratio Lower Upper

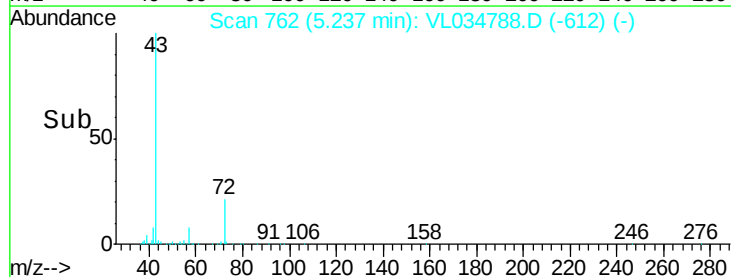
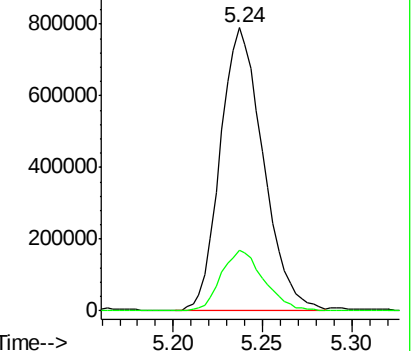
43 100

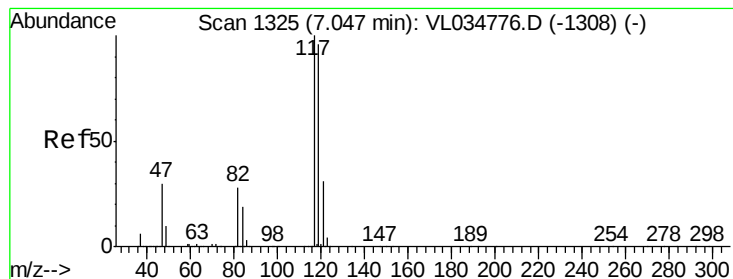
72 21.5 17.5 26.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.201 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 1485186

Ion Ratio Lower Upper

117 100

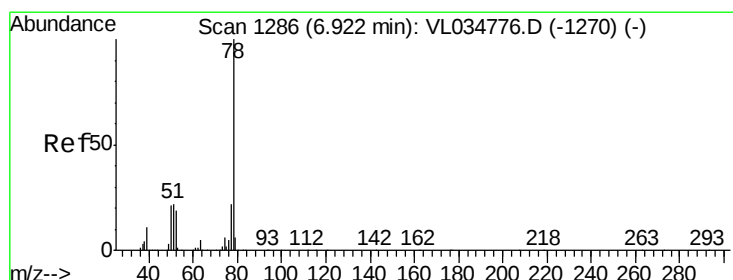
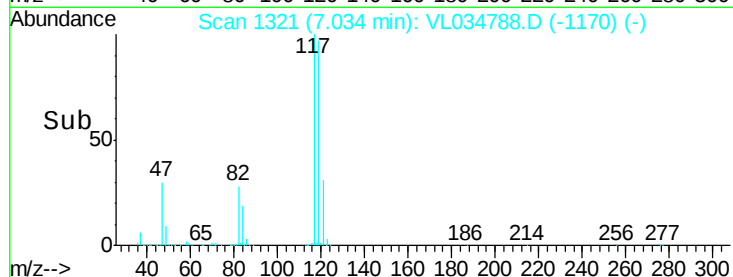
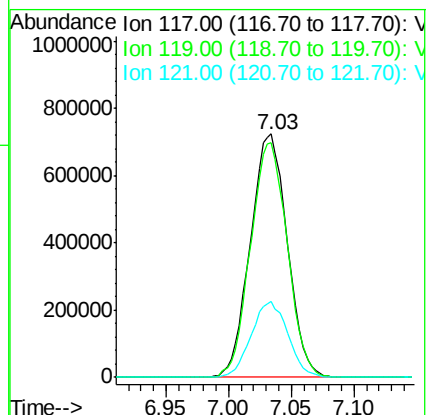
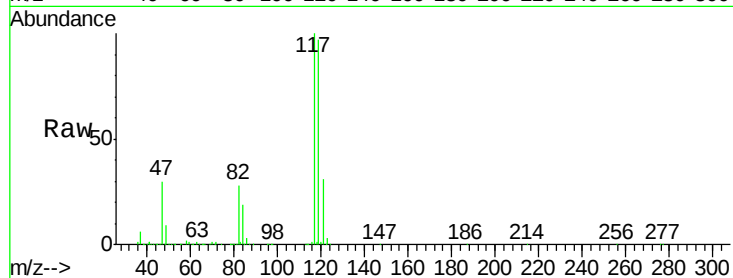
119 96.6 76.8 115.2

121 31.3 24.6 37.0

Manual Integrations
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#36

Benzene

Concen: 10.791 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

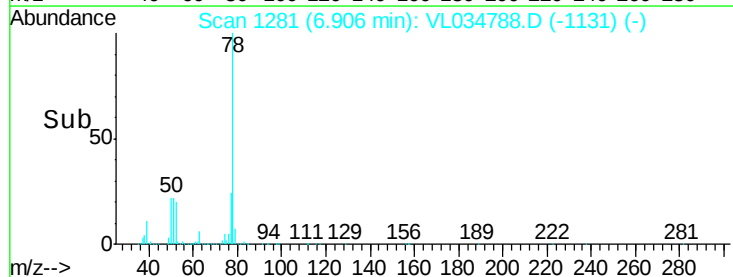
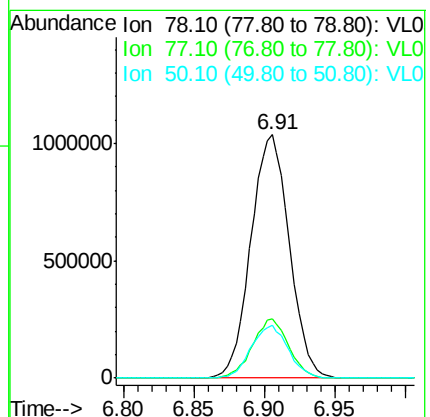
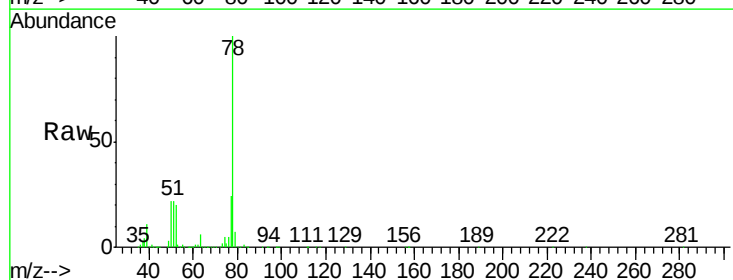
Tgt Ion: 78 Resp: 1972605

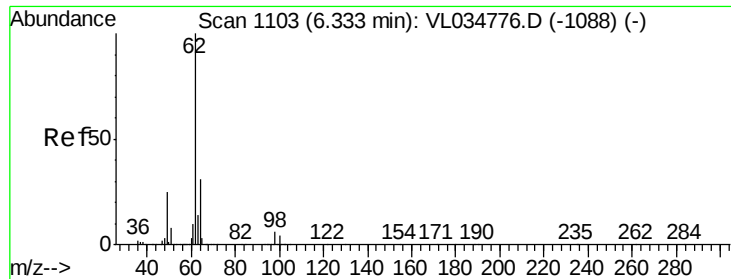
Ion Ratio Lower Upper

78 100

77 24.1 18.0 27.0

50 21.5 16.9 25.3





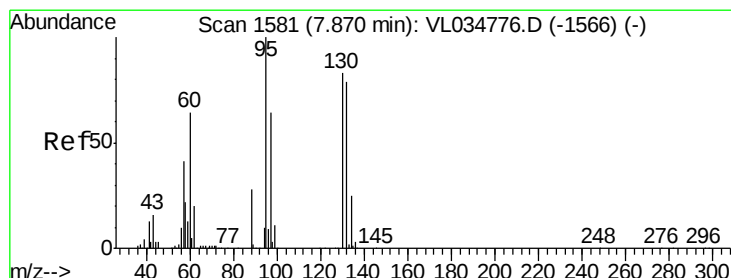
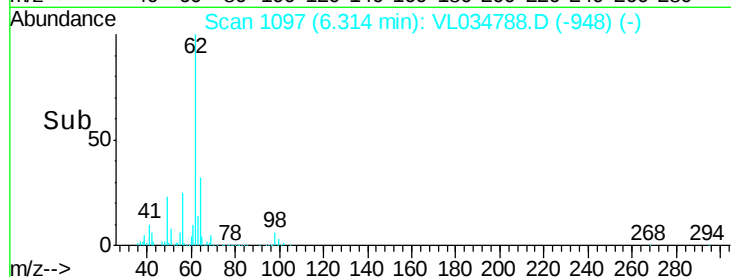
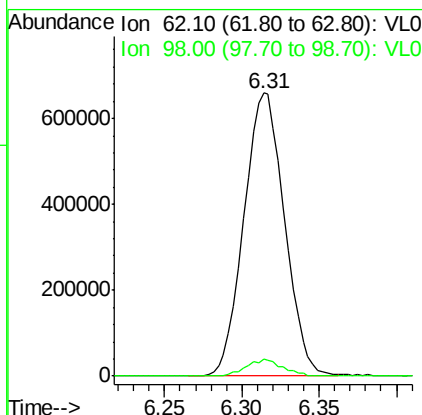
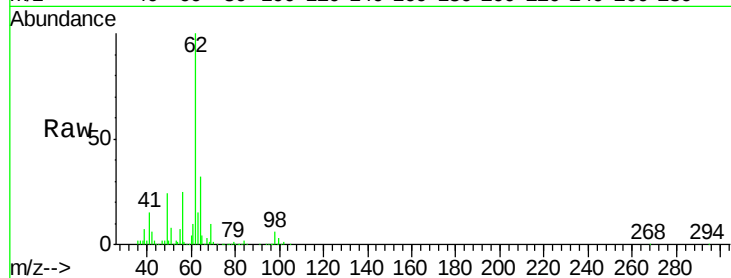
#37
 1,2-Dichloroethane
 Concen: 9.664 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.4	6.6

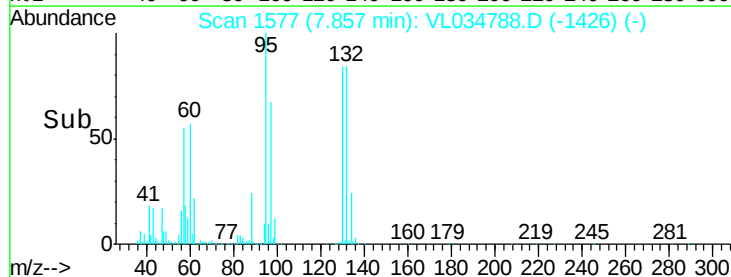
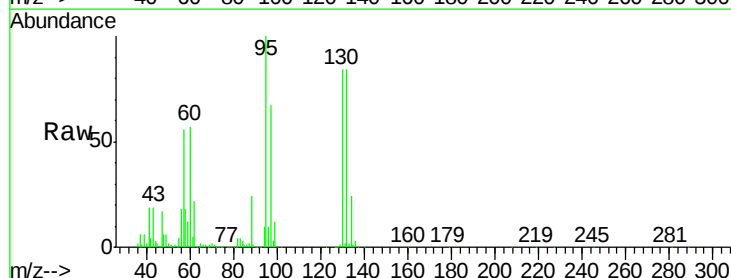
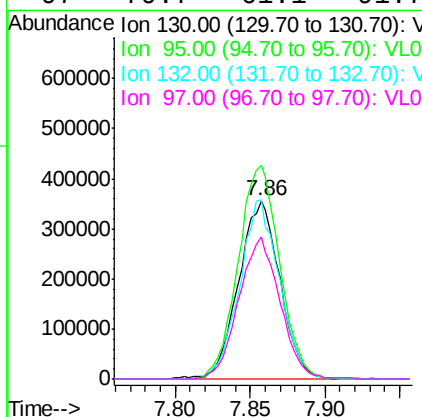
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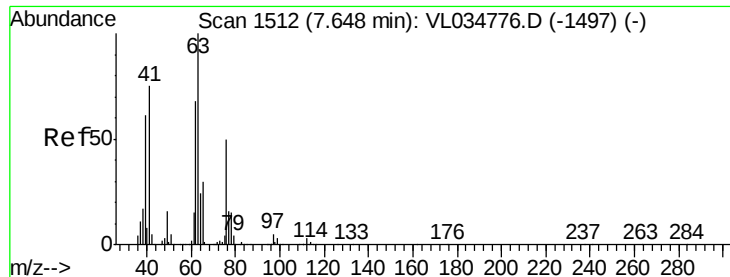
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#38
 Trichloroethene
 Concen: 9.531 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.6	95.8	143.8
132	100.2	76.1	114.1
97	79.7	61.1	91.7





#39

1,2-Dichloropropane

Concen: 9.691 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

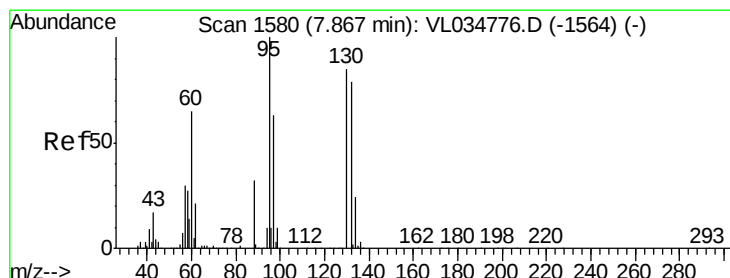
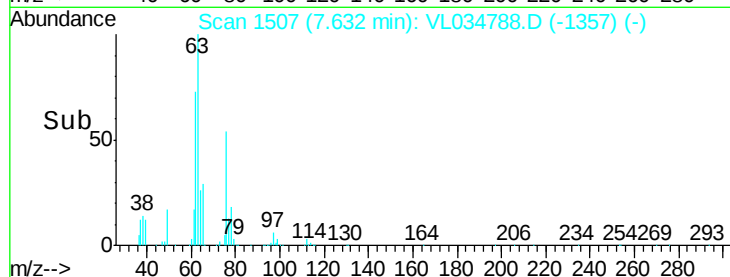
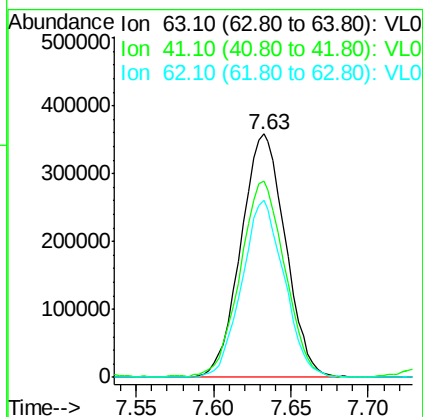
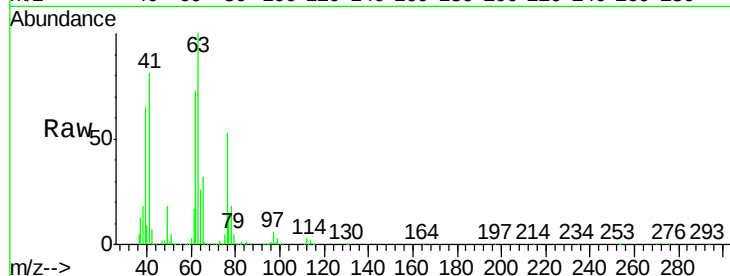
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	714922
Ion Ratio	Lower	Upper	
63	100		
41	80.6	60.3	90.5
62	72.8	54.5	81.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.592 ppbv

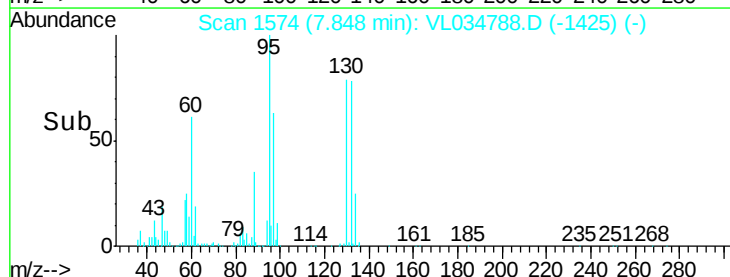
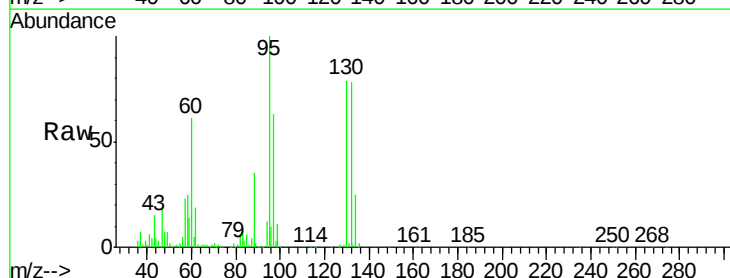
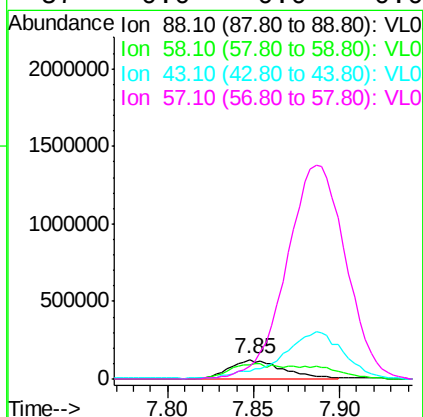
RT: 7.85 min Scan# 1574

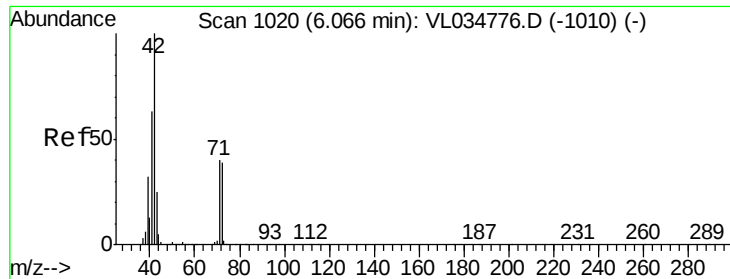
Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion:	88	Resp:	270275
Ion Ratio	Lower	Upper	
88	100		
58	138.4	110.6	166.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





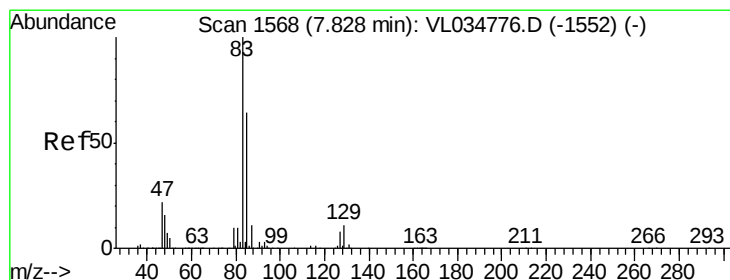
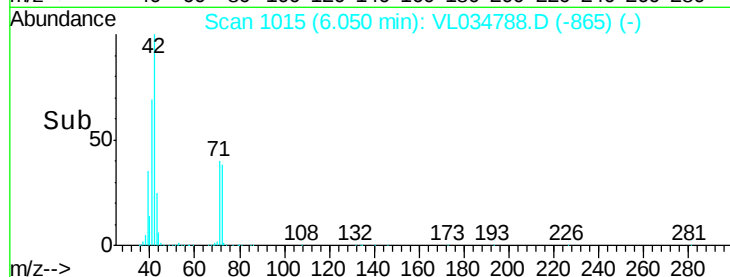
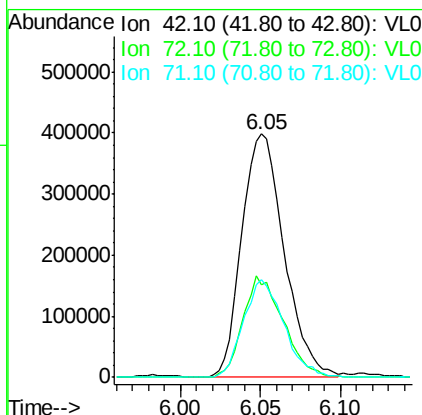
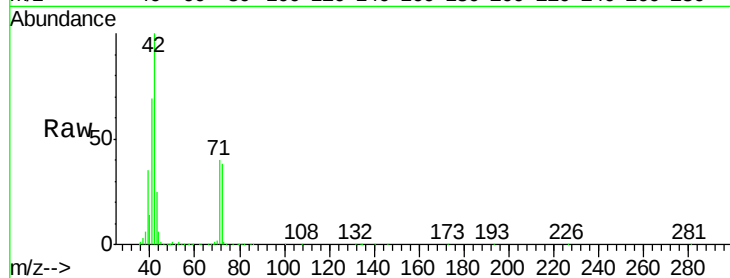
#41
Tetrahydrofuran
Concen: 10.118 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	38.9	31.3	46.9

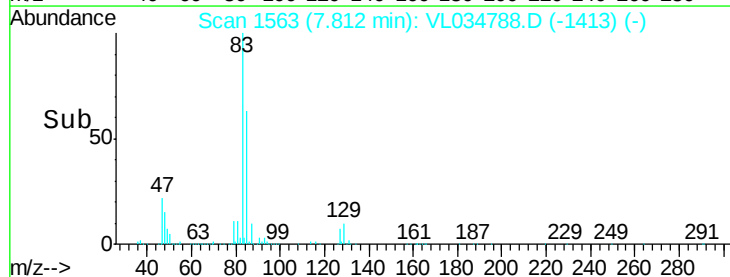
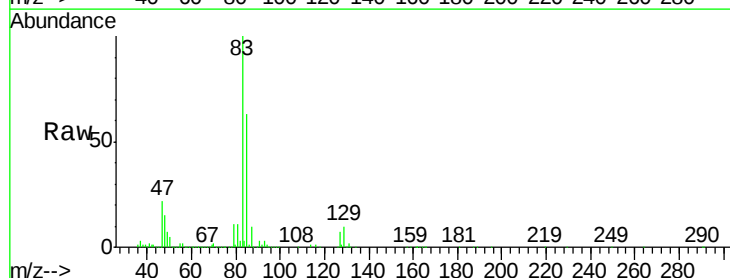
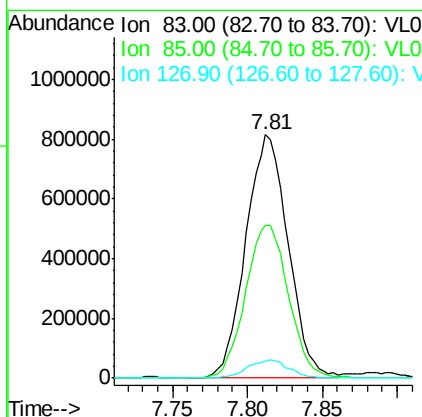
Manual Integrations
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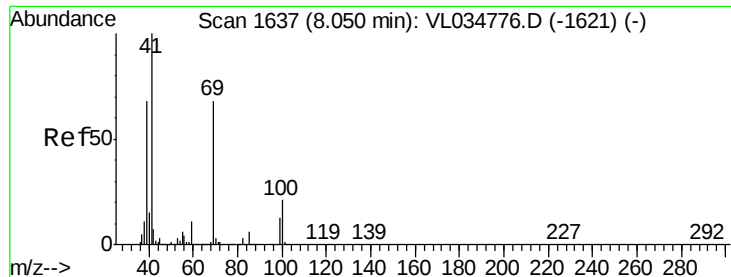
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#42
Bromodichloromethane
Concen: 10.096 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.8	76.2
127	7.0	6.5	9.7





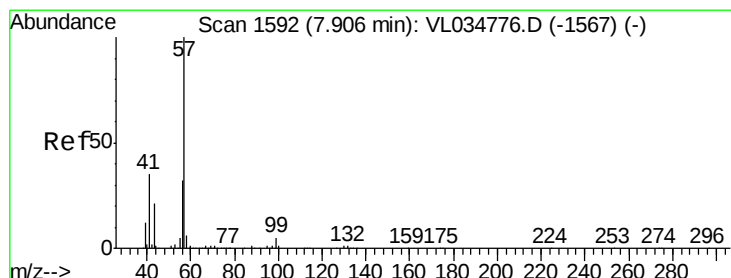
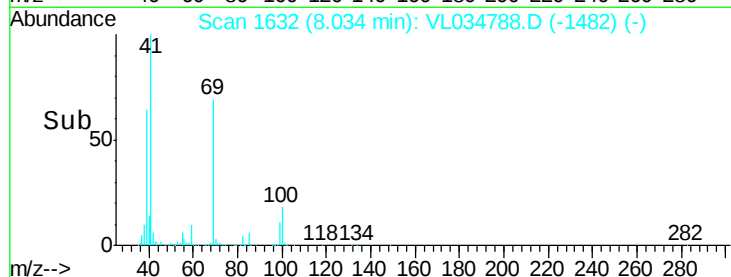
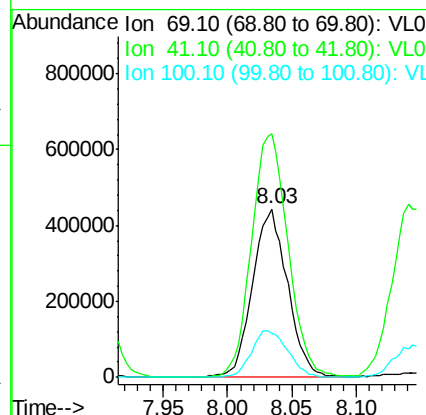
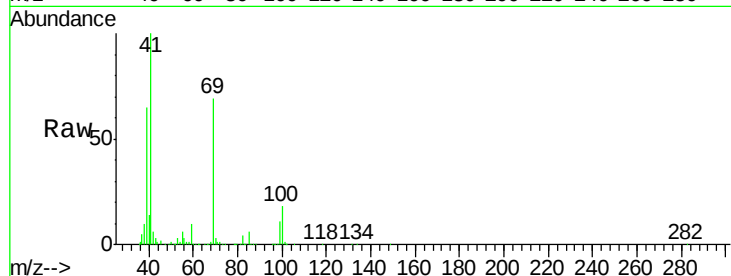
#43
Methyl Methacrylate
Concen: 10.834 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.9	121.6	182.4
100	28.7	23.8	35.8

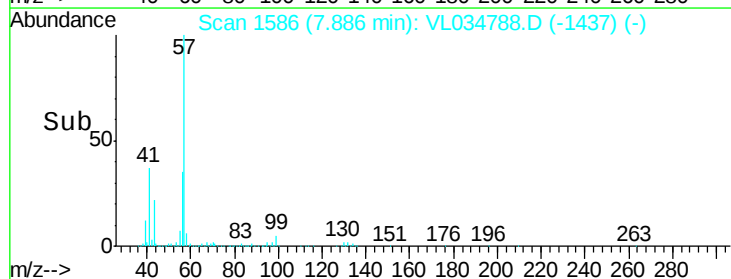
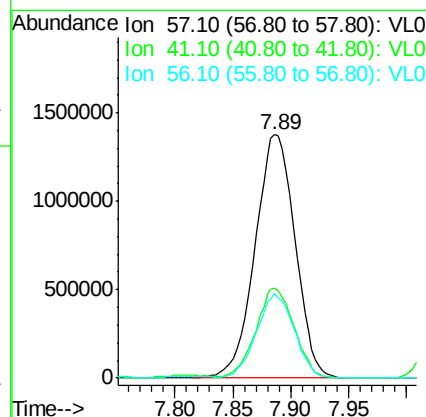
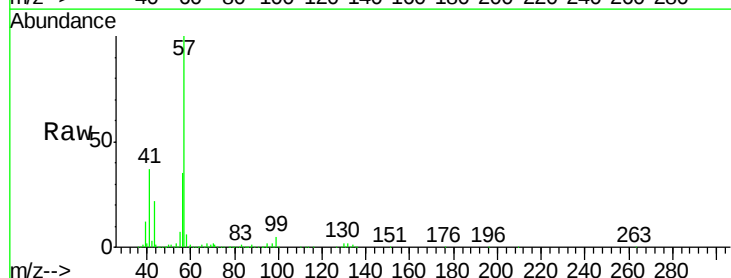
Manual Integrations
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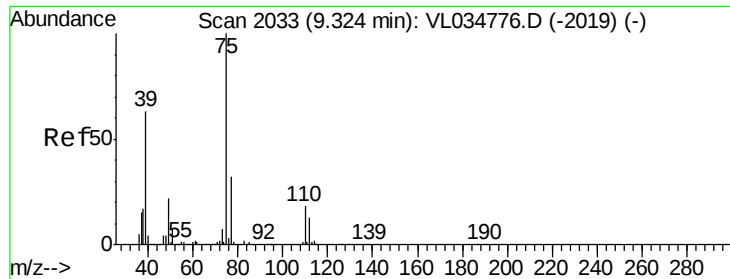
apatel
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#44
2,2,4-Trimethylpentane
Concen: 10.315 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.7	27.4	41.0
56	32.9	25.0	37.6





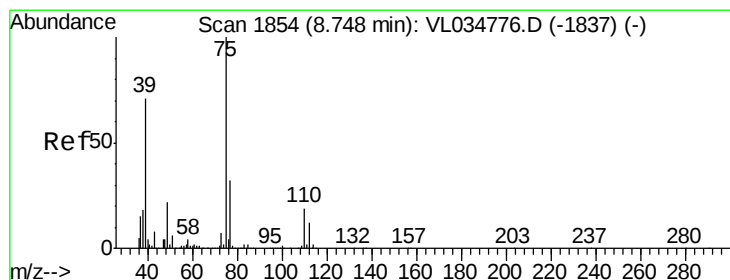
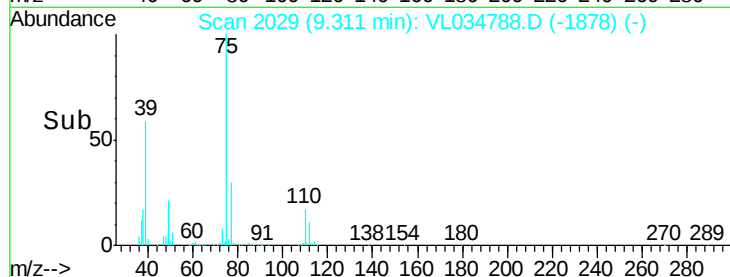
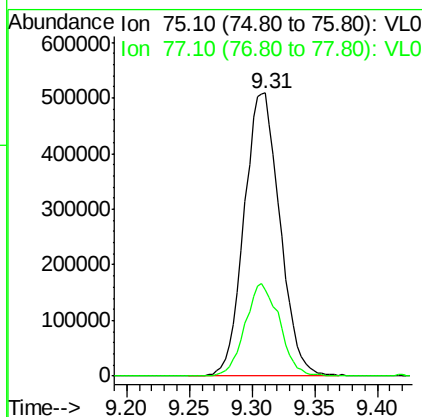
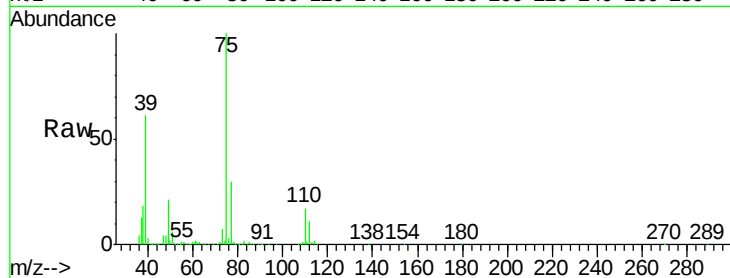
#45
t-1,3-Dichloropropene
Concen: 12.397 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1008097
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4

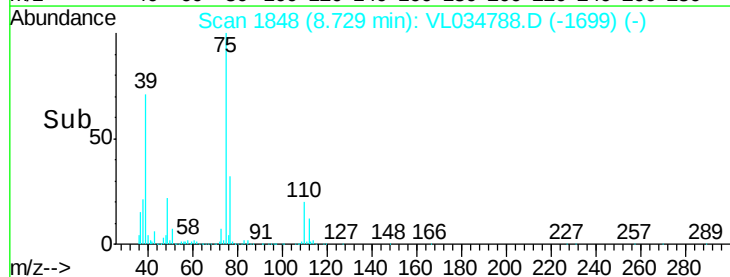
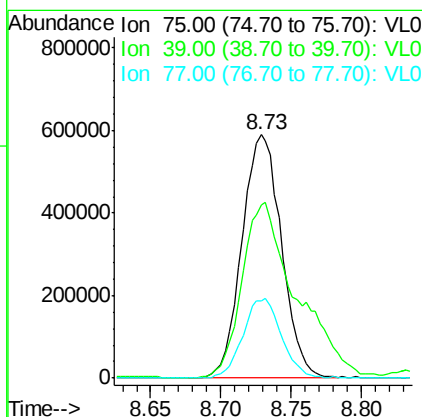
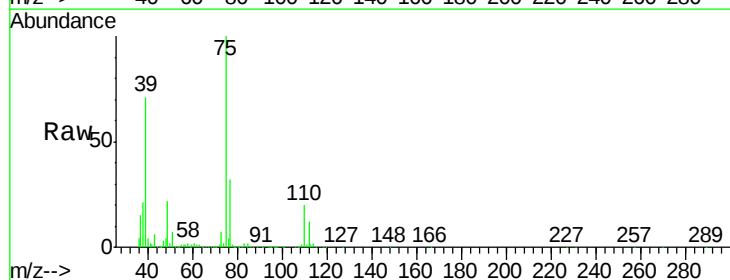
Manual Integrations
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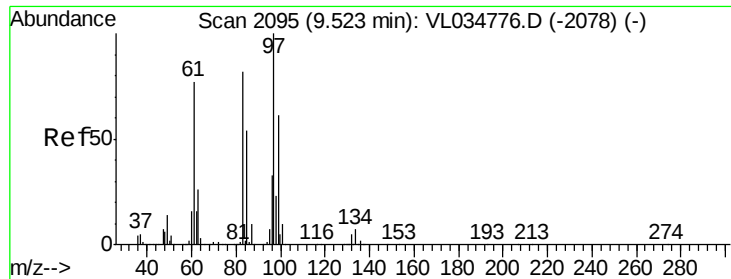
apatel
3/4/2020 4:45:48 PM



#46
cis-1,3-Dichloropropene
Concen: 11.669 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 75 Resp: 1158743
Ion Ratio Lower Upper
75 100
39 71.1 56.9 85.3
77 31.6 25.7 38.5





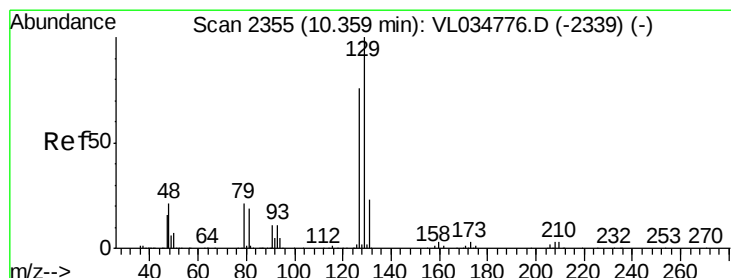
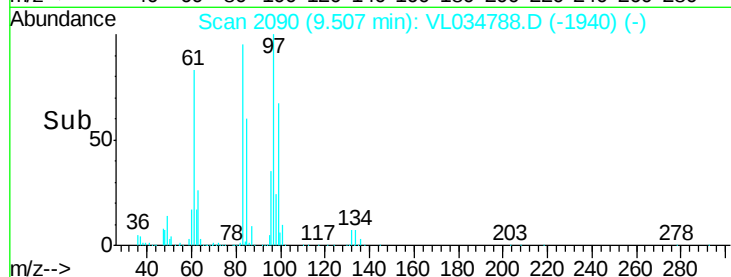
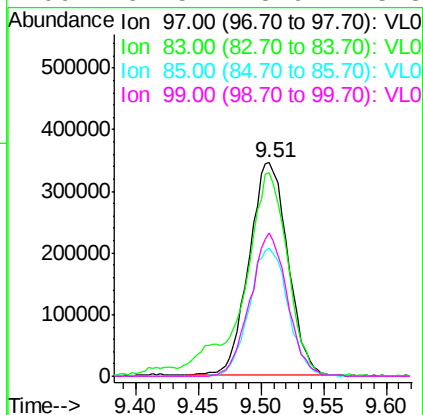
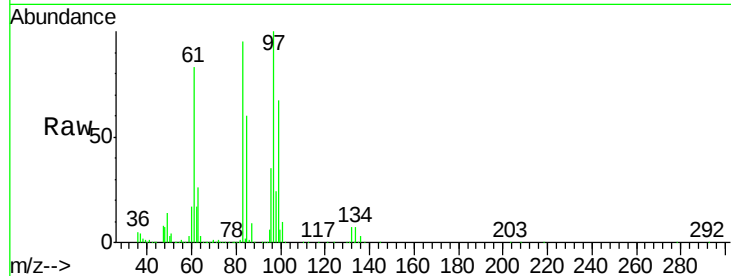
#47
 1,1,2-Trichloroethane
 Concen: 9.561 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		744638		
83	95.2	65.2	97.8		
85	60.4	43.6	65.4		
99	67.5	48.9	73.3		

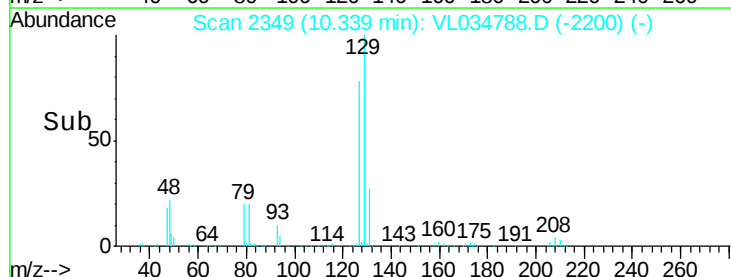
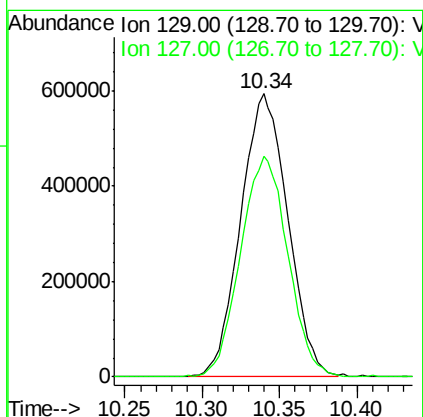
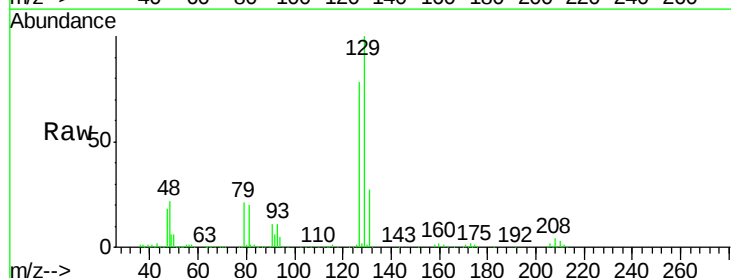
Manual Integrations
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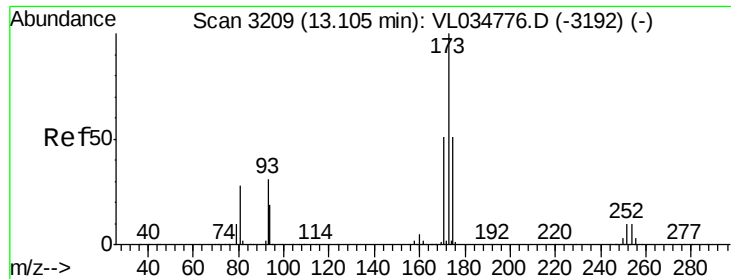
apatel
 3/4/2020 4:45:48 PM



#48
 Dibromochloromethane
 Concen: 10.354 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1261030		
127	78.4	39.0	117.0		





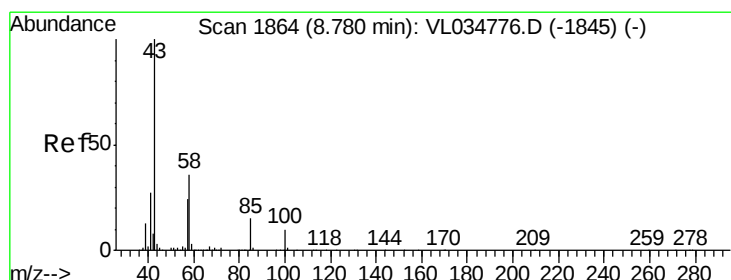
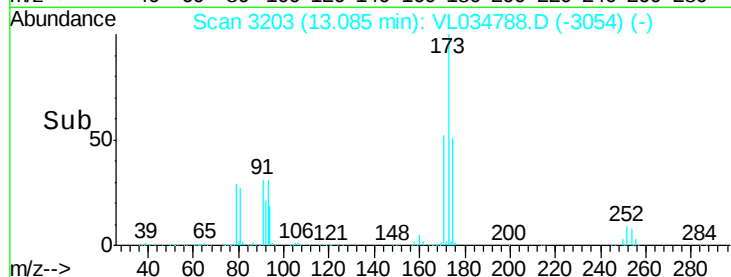
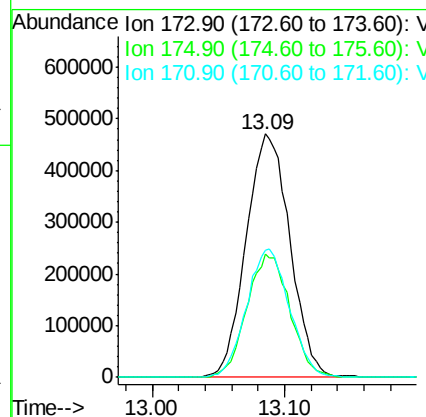
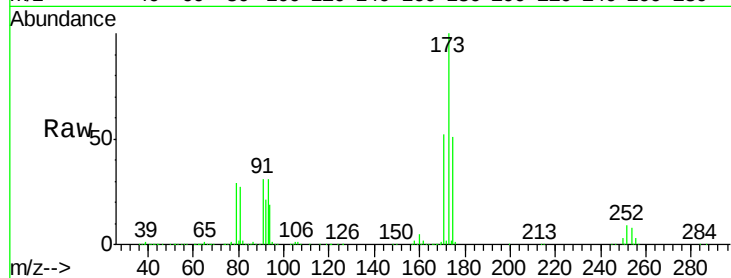
#49
Bromoform
Concen: 10.165 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1080320
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.6
171 51.6 41.0 61.4

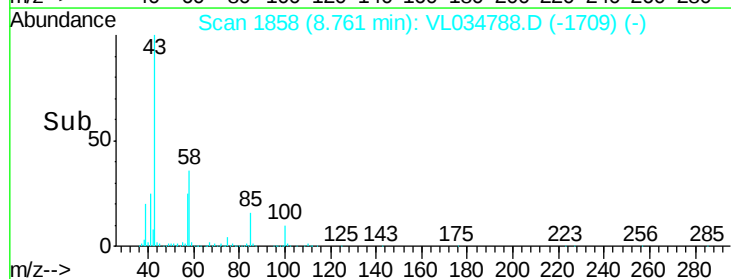
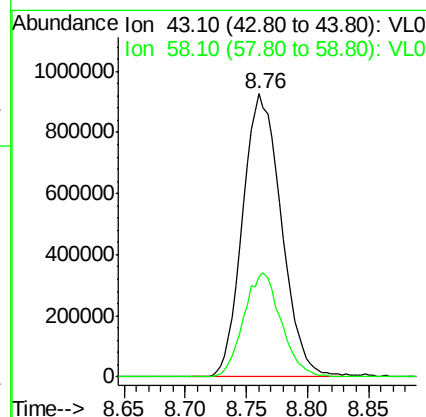
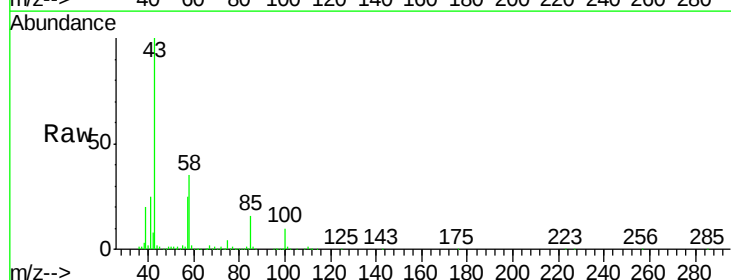
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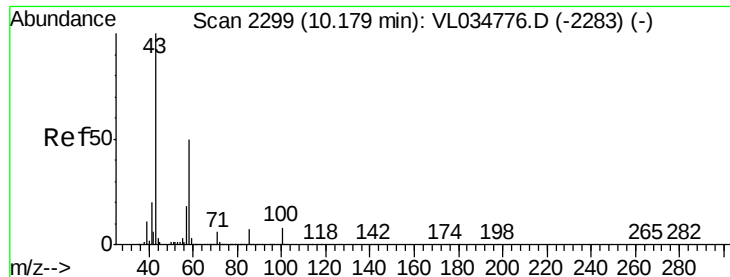
apatel
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#50
4-Methyl-2-Pentanone
Concen: 10.218 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 43 Resp: 2037589
Ion Ratio Lower Upper
43 100
58 35.4 28.7 43.1





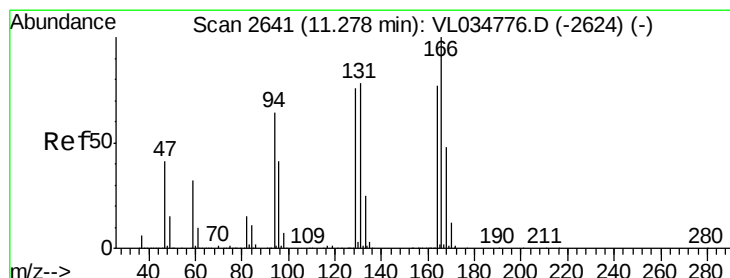
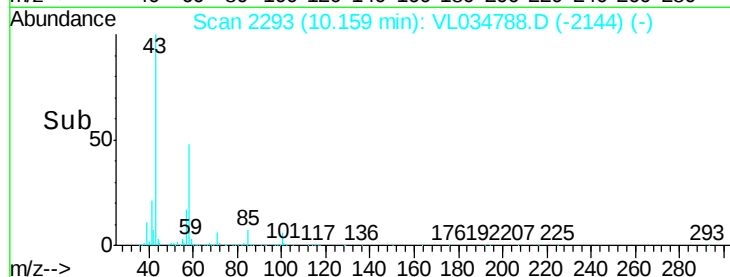
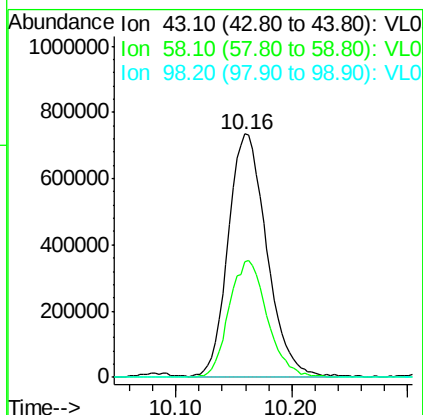
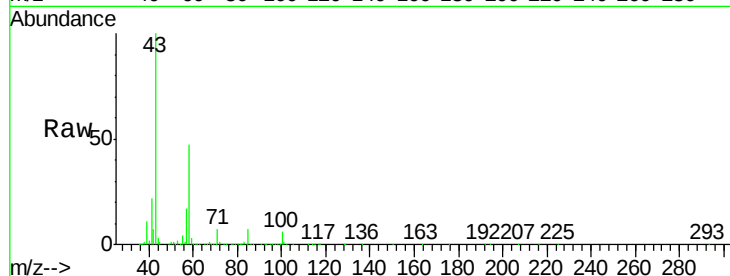
#51
2-Hexanone
Concen: 10.751 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1681832
Ion Ratio Lower Upper
43 100
58 48.2 38.6 58.0
98 0.3 0.2 0.4

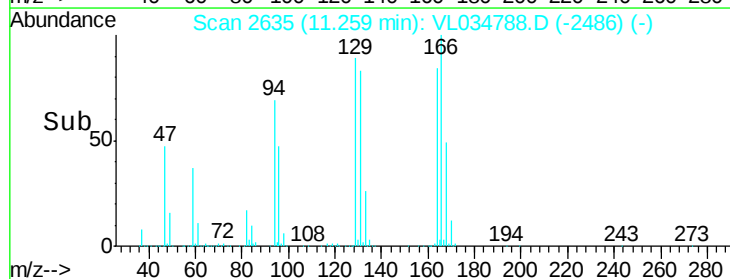
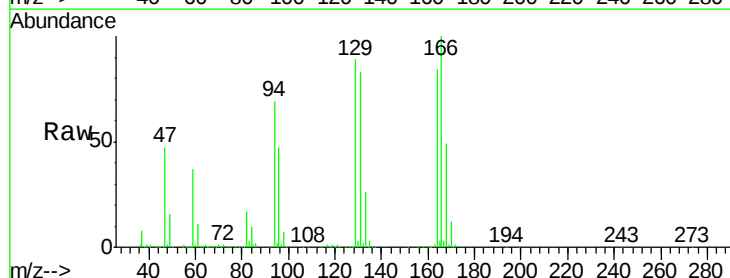
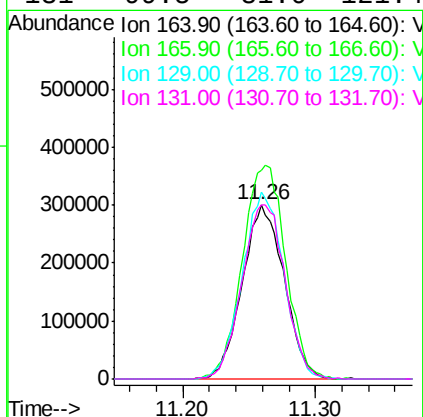
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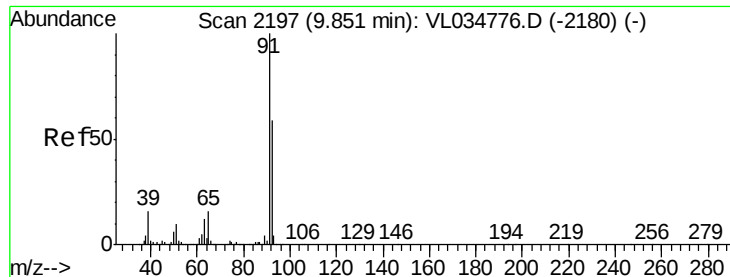
apatel
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#52
Tetrachloroethene
Concen: 9.743 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 164 Resp: 658019
Ion Ratio Lower Upper
164 100
166 119.6 103.3 154.9
129 106.8 79.0 118.4
131 99.5 81.0 121.4





#53

Toluene

Concen: 11.071 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2141906

Ion Ratio Lower Upper

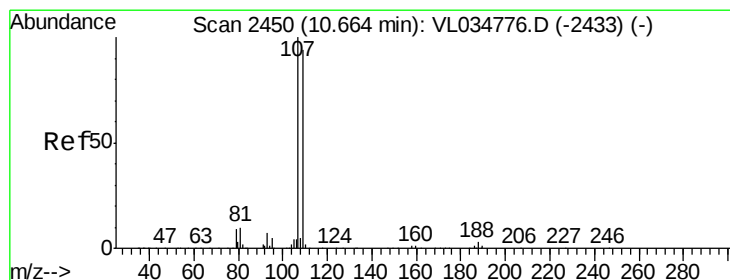
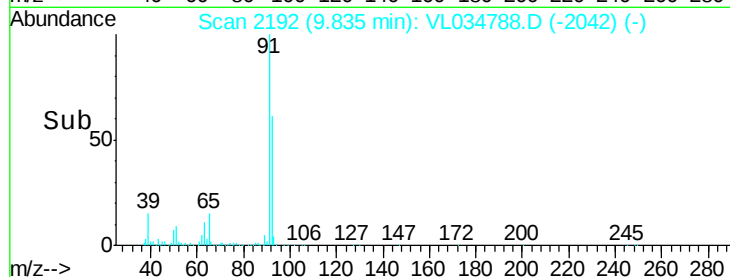
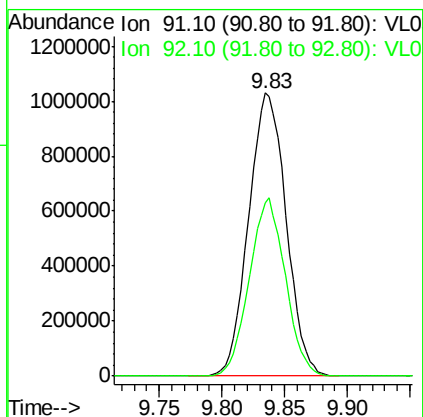
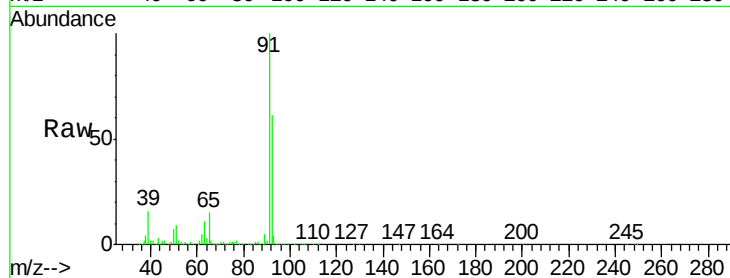
91 100

92 60.6 48.2 72.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.924 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL034788.D

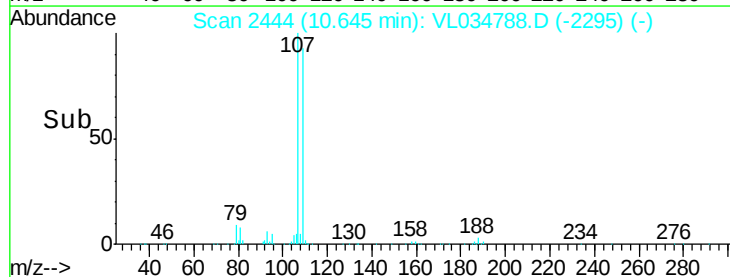
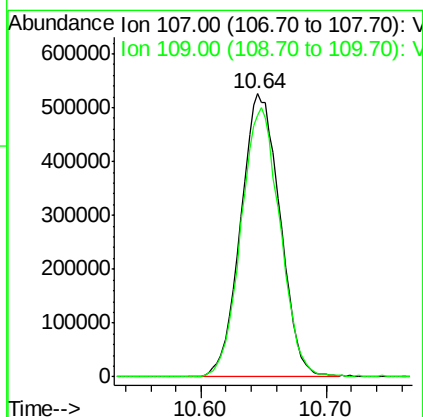
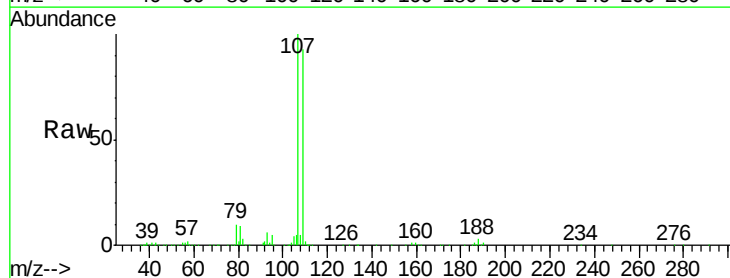
Acq: 4 Mar 2020 14:39

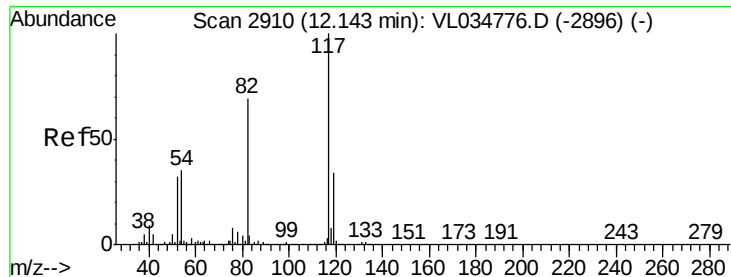
Tgt Ion: 107 Resp: 1142916

Ion Ratio Lower Upper

107 100

109 92.5 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.12 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2297758

Ion Ratio Lower Upper

117 100

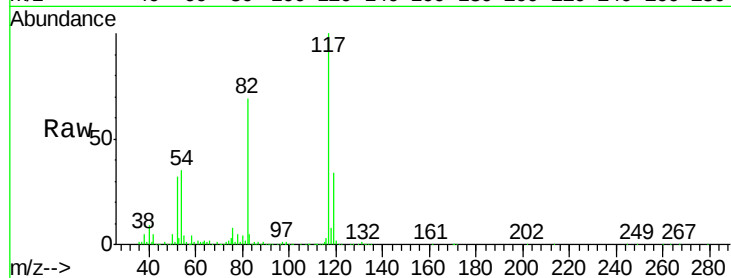
82 69.9 53.9 80.9

119 31.5 25.0 37.4

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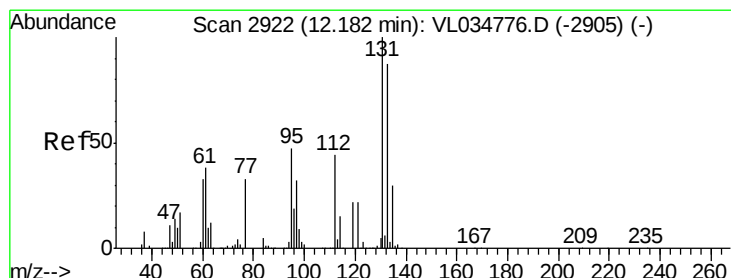
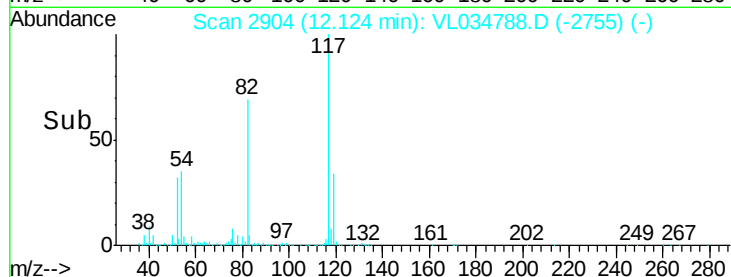
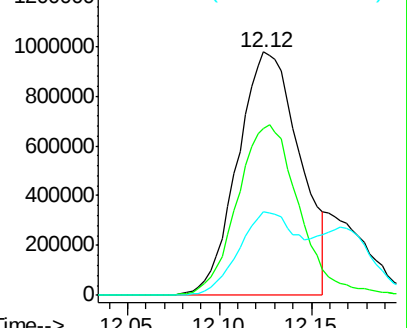
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.135 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

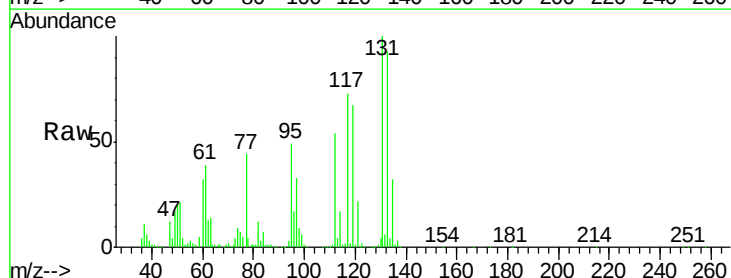
Tgt Ion:131 Resp: 930060

Ion Ratio Lower Upper

131 100

133 95.9 75.4 113.0

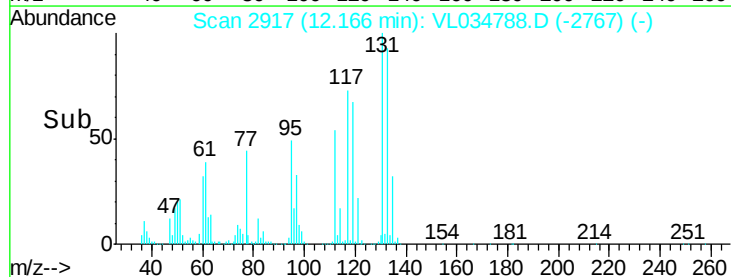
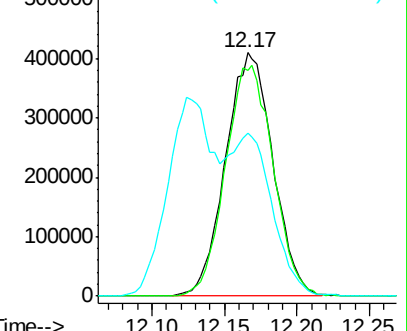
119 63.9 110.5 165.7#

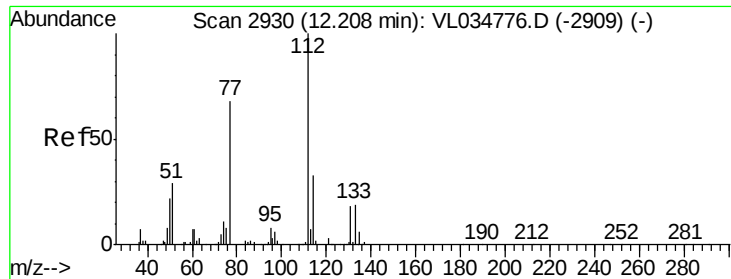


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





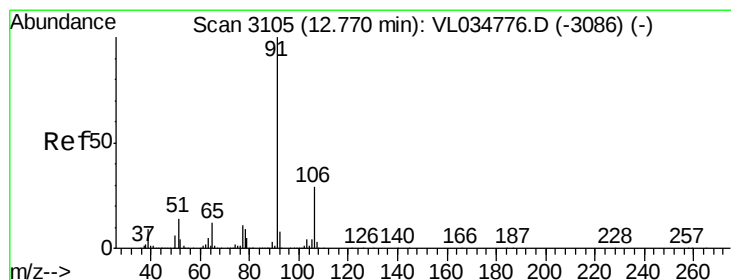
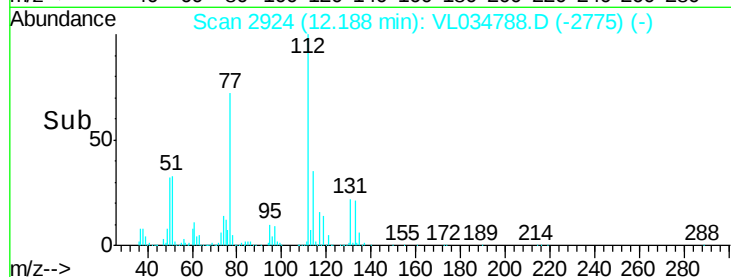
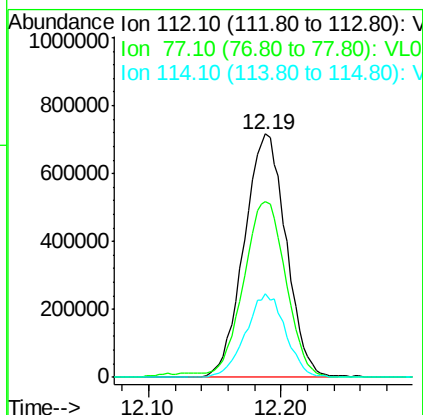
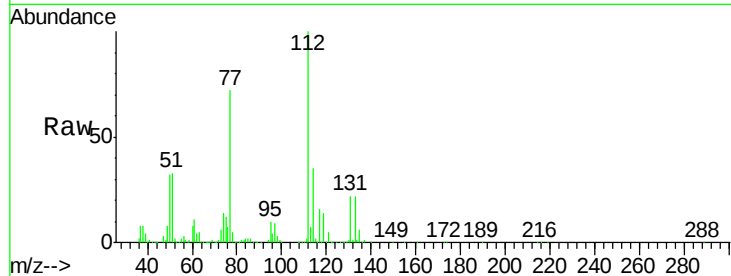
#57
Chlorobenzene
Concen: 8.931 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.2	55.6	83.4
114	34.5	29.4	36.0

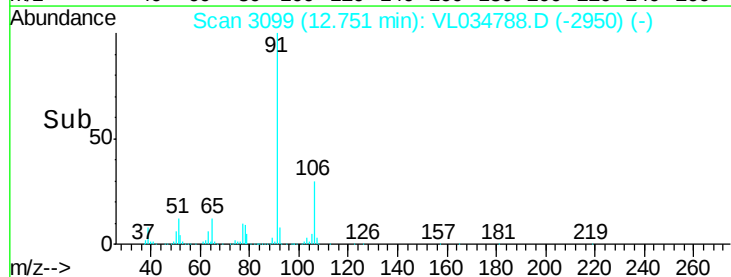
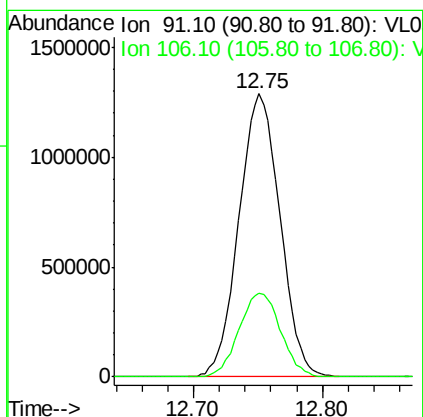
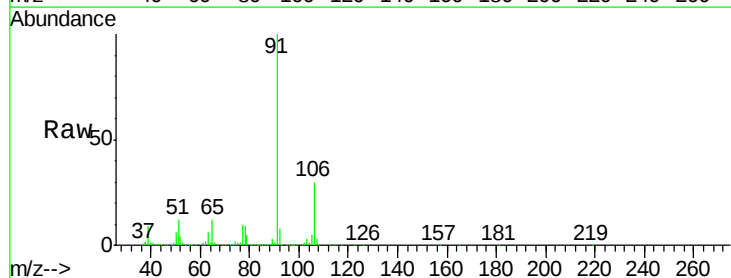
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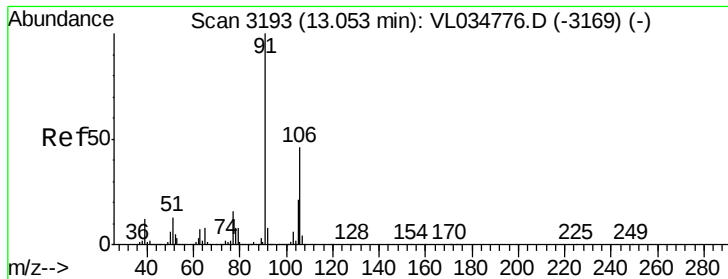
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#58
Ethyl Benzene
Concen: 10.075 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	22.8	34.2





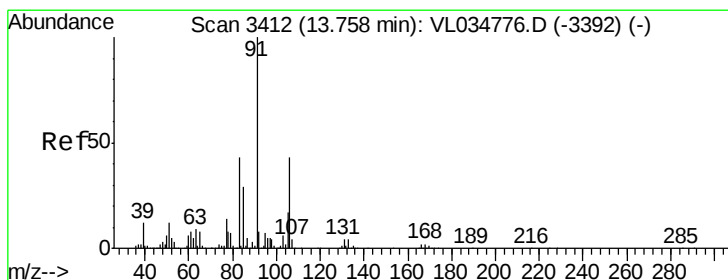
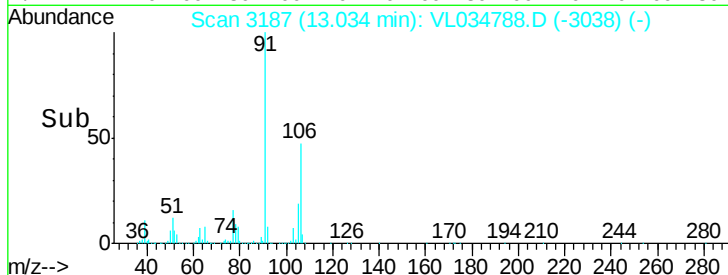
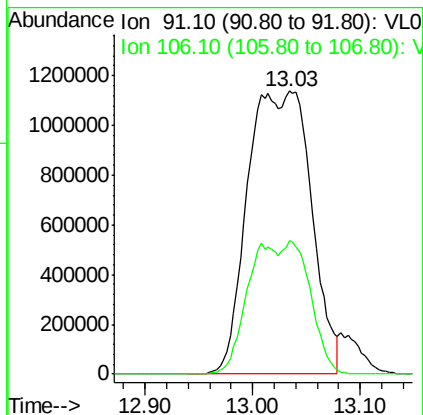
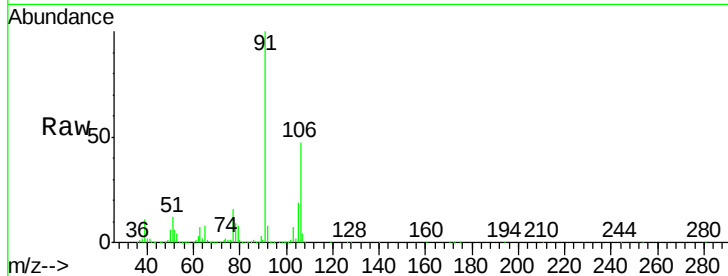
#59
m/p-Xylene
Concen: 19.090 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4679243
Ion Ratio Lower Upper
91 100
106 44.8 35.8 53.8

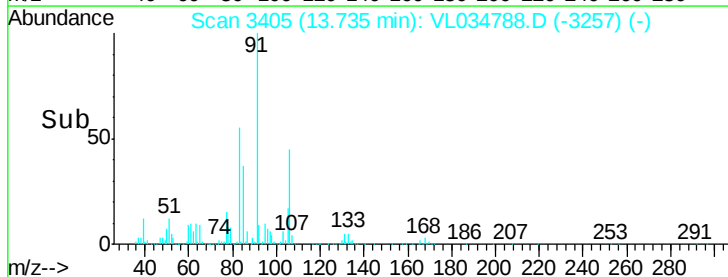
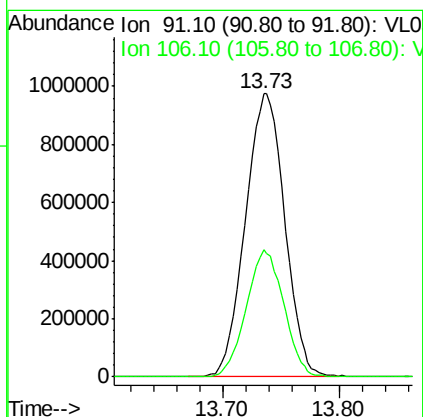
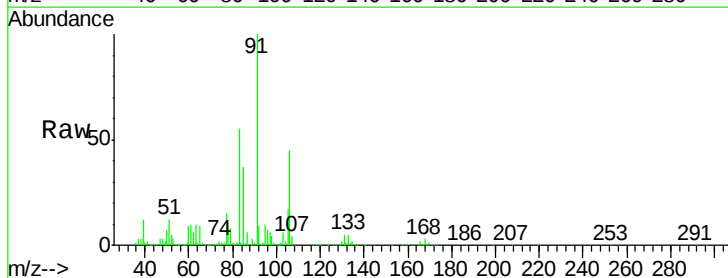
Manual Integrations
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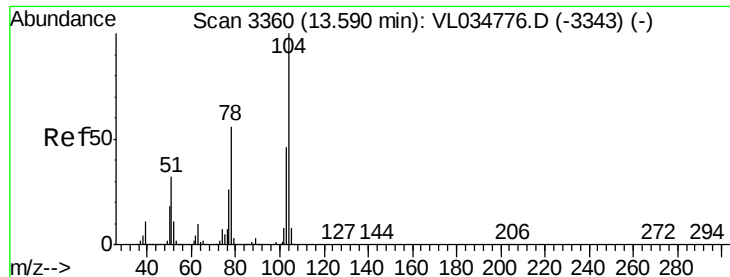
apatel
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#60
o-Xylene
Concen: 9.261 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion: 91 Resp: 2296794
Ion Ratio Lower Upper
91 100
106 42.9 21.7 65.1





#61

Stvrene

Concen: 10.436 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1605640

Ion Ratio Lower Upper

104 100

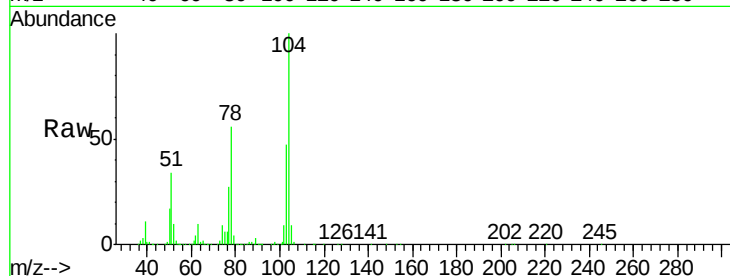
78 56.9 44.7 67.1

103 47.5 38.2 57.2

Manual Integrations
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1000000

800000

600000

400000

200000

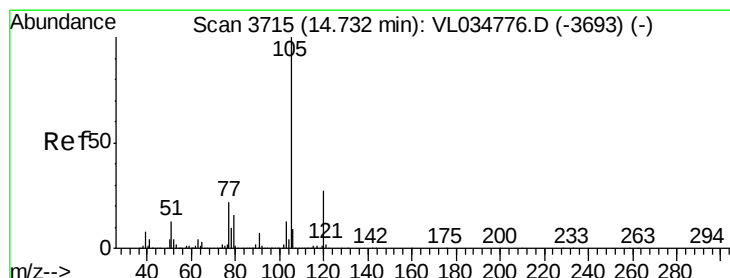
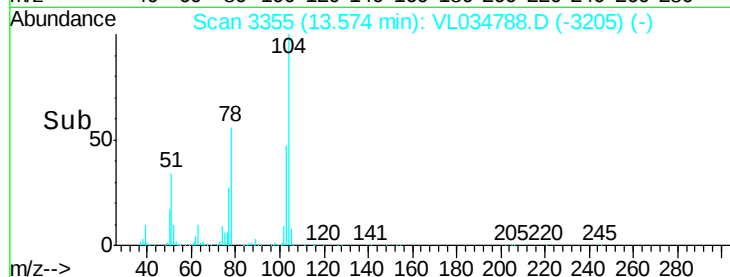
0

13.57

13.50

13.60

Time-->



#62

Isopropylbenzene

Concen: 8.961 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL034788.D

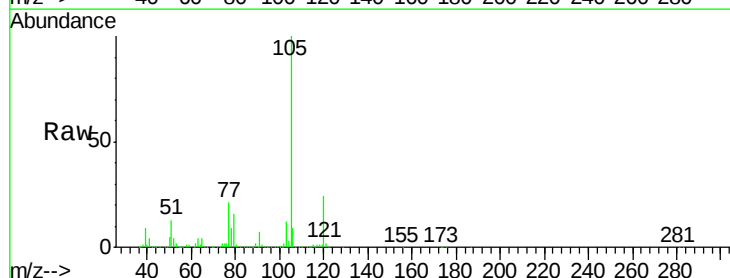
Acq: 4 Mar 2020 14:39

Tgt Ion:105 Resp: 3270946

Ion Ratio Lower Upper

105 100

120 25.0 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

1000000

500000

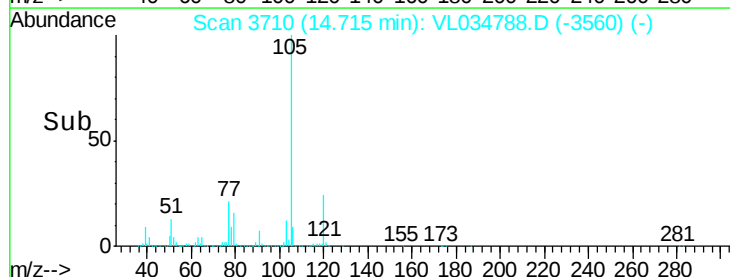
0

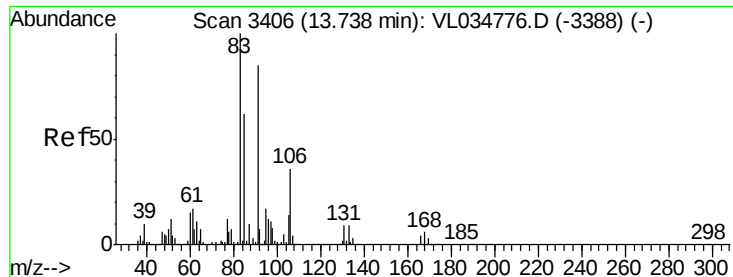
14.72

14.60

14.80

Time-->





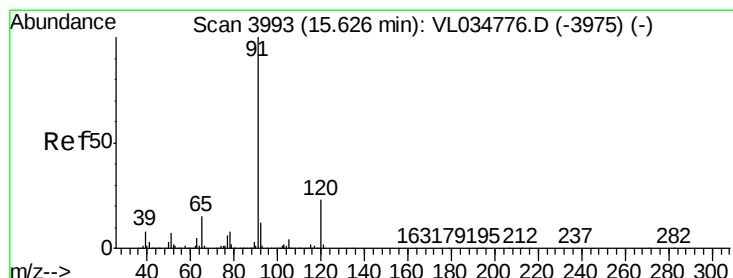
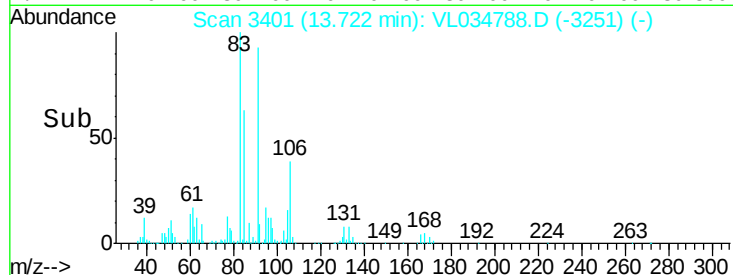
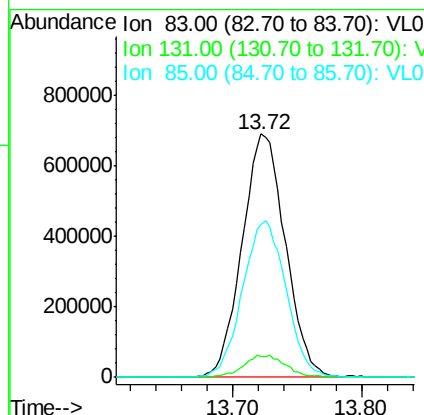
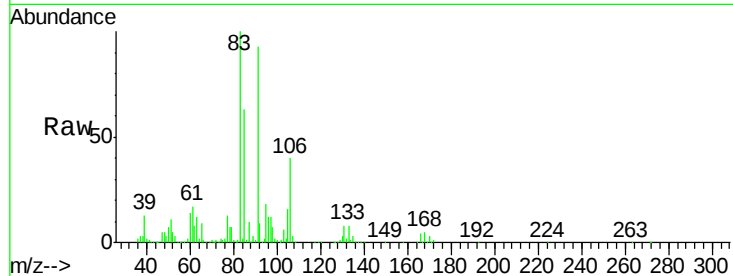
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.202 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	1603487
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.0
85	65.1	32.9	98.7

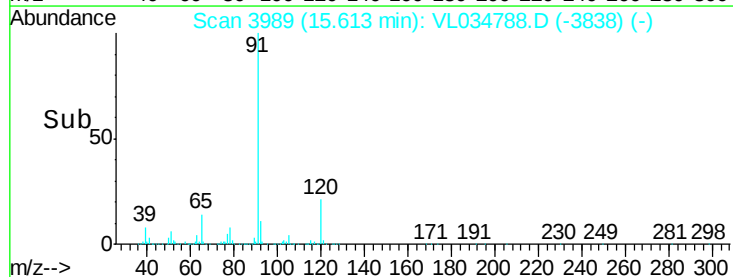
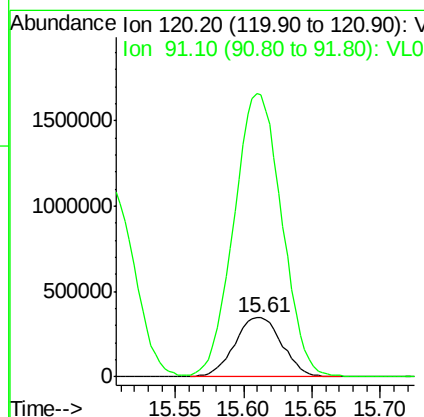
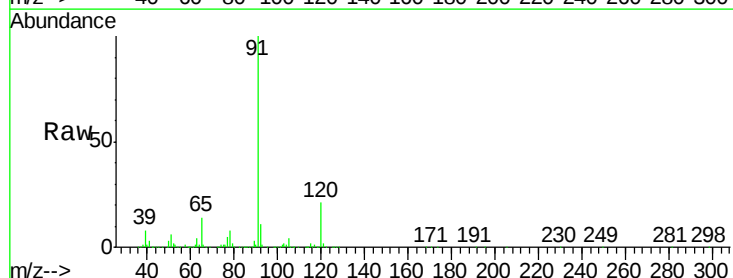
Manual Integrations
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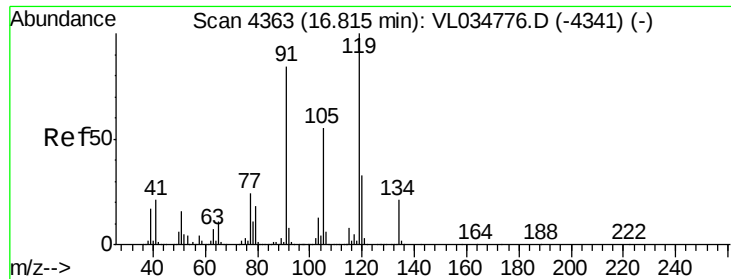
apatel
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#64
 n-propylbenzene
 Concen: 9.094 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.01 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion	120	Resp	832281
Ion Ratio	Lower	Upper	
120	100		
91	485.8	379.4	569.2





#65

tert-Butylbenzene

Concen: 9.173 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 119 Resp: 2829460

Ion Ratio Lower Upper

119 100

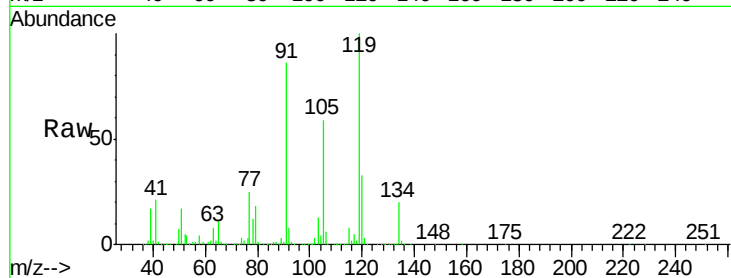
91 87.7 69.8 104.6

134 19.6 15.9 23.9

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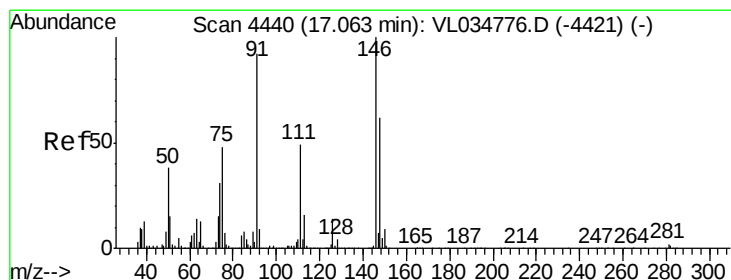
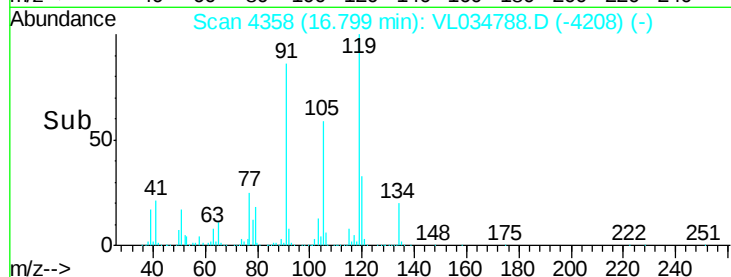
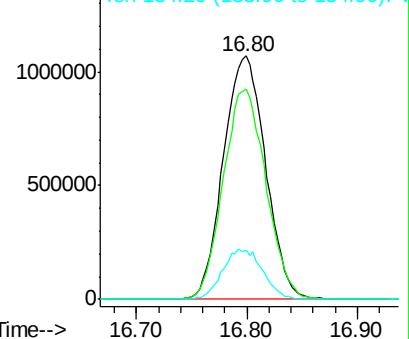
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.396 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

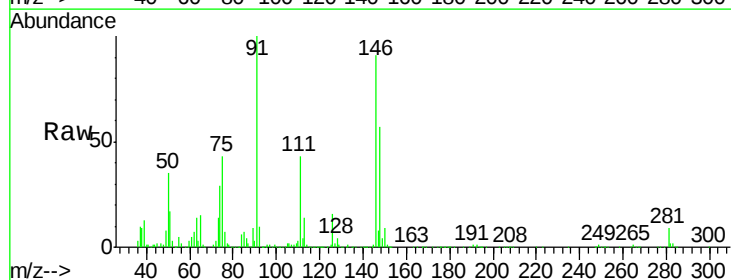
Tgt Ion: 91 Resp: 1236187

Ion Ratio Lower Upper

91 100

126 15.8 12.6 18.8

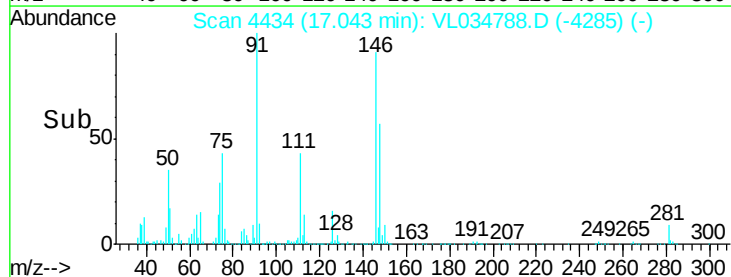
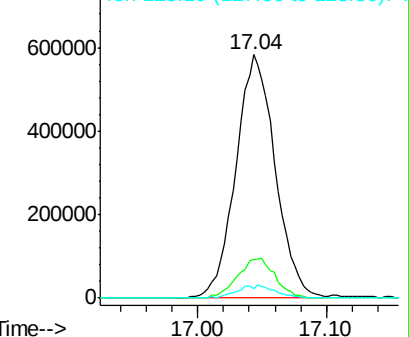
128 5.1 4.3 6.5

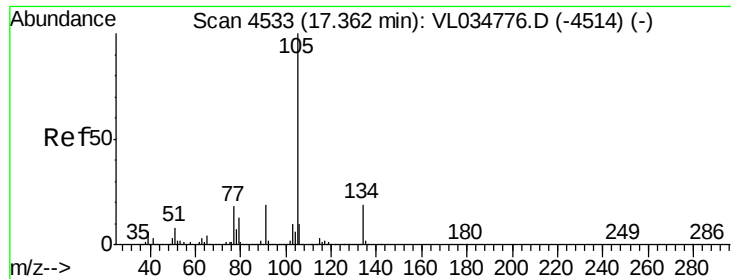


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.072 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 4077652

Ion Ratio Lower Upper

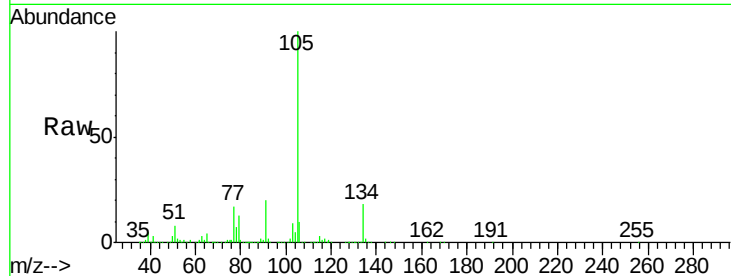
105 100

134 17.9 14.7 22.1

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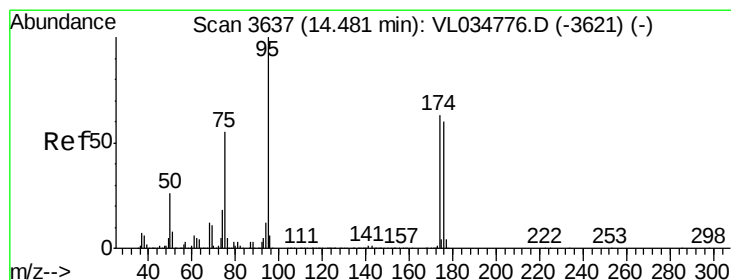
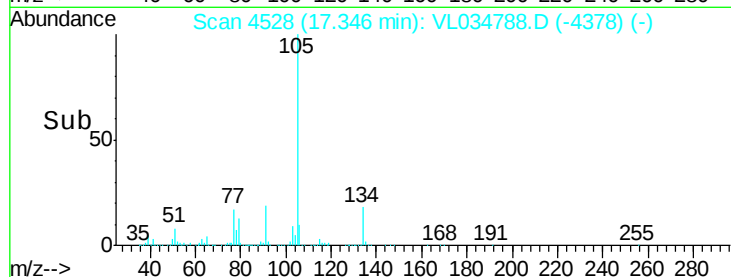
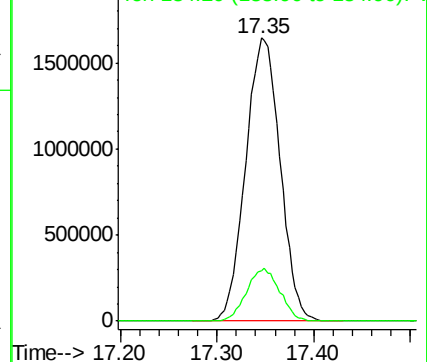
apatel

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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: 9.762 ppbv m

RT: 14.47 min Scan# 3633

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

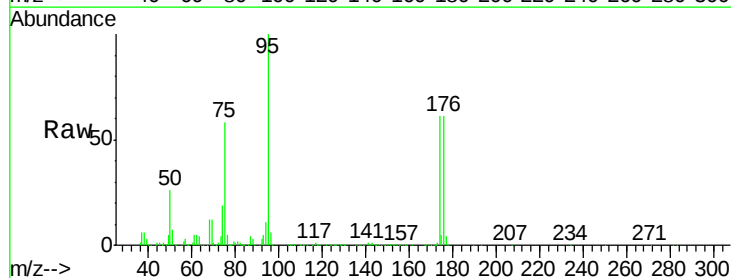
Tgt Ion: 95 Resp: 1870381

Ion Ratio Lower Upper

95 100

174 63.1 50.6 76.0

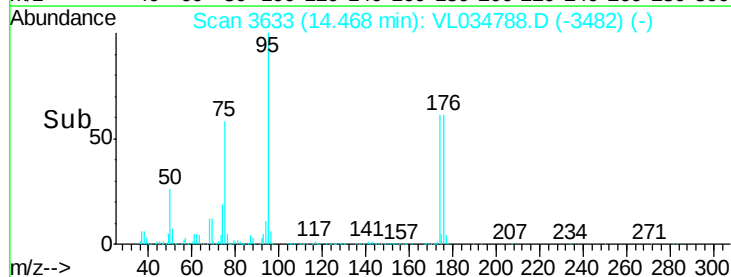
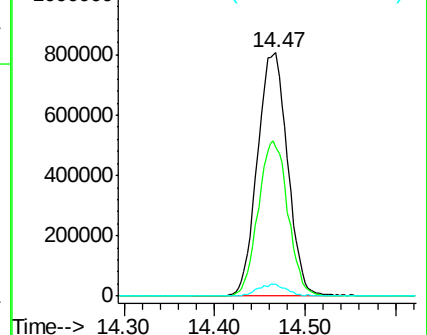
175 4.7 3.8 5.6

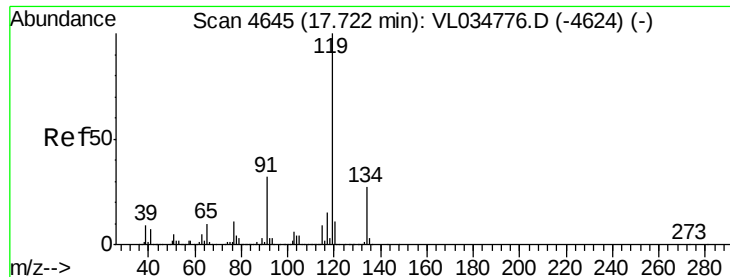


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





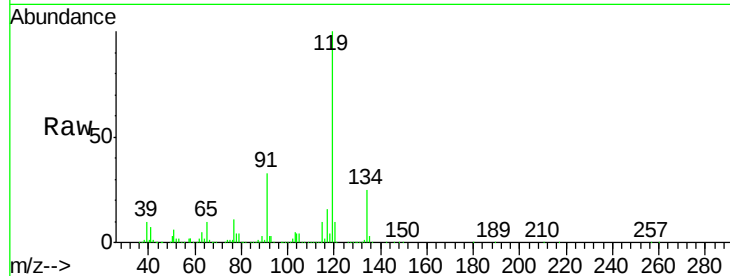
#69
 p-Isopropyltoluene
 Concen: 9.186 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

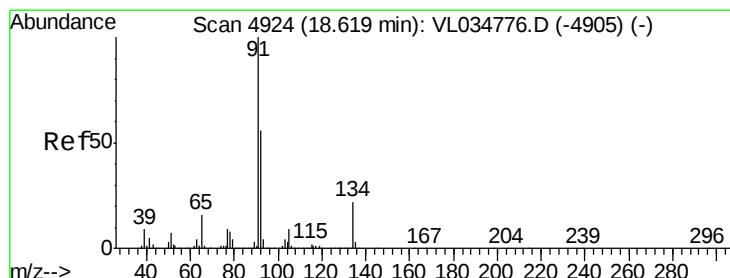
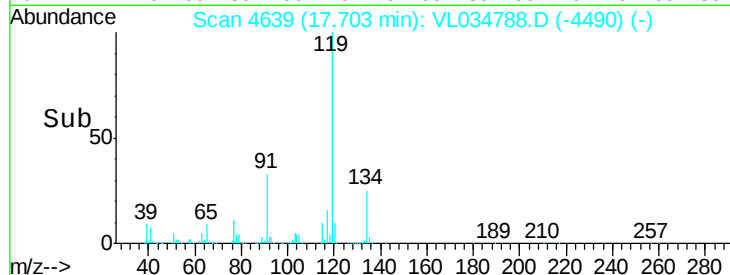
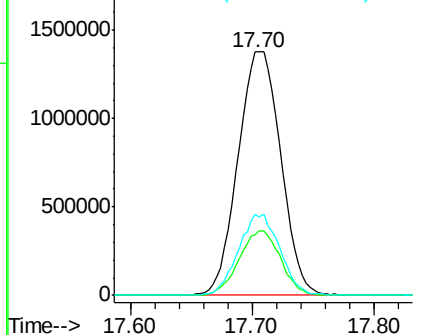
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	32.3	25.3	37.9

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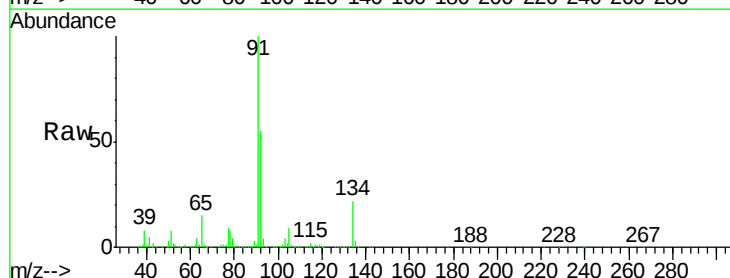


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

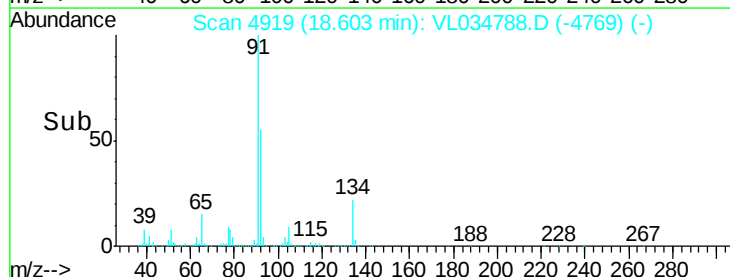
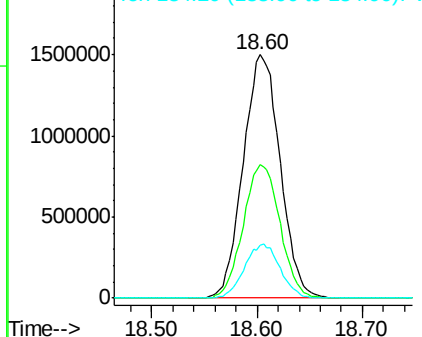


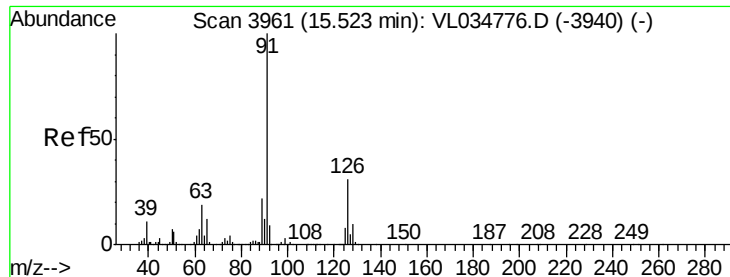
#70
 n-Butylbenzene
 Concen: 9.178 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	21.6	17.7	26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.200 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2536333

Ion Ratio Lower Upper

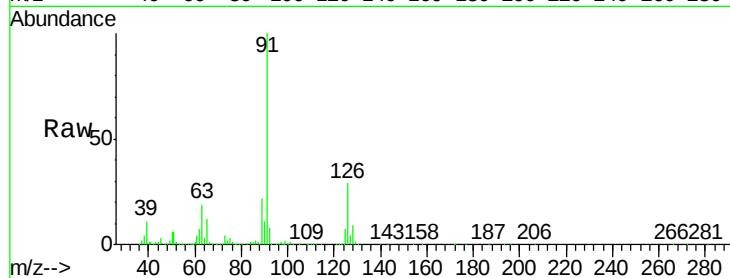
91 100

126 29.4 11.7 46.7

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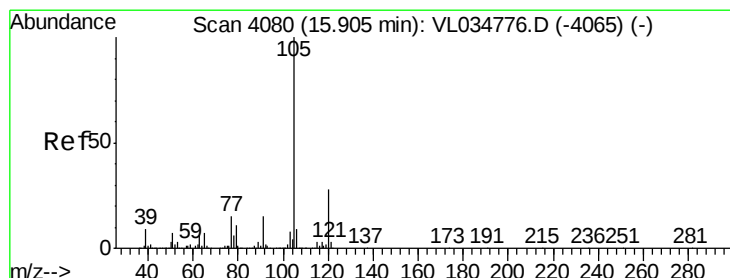
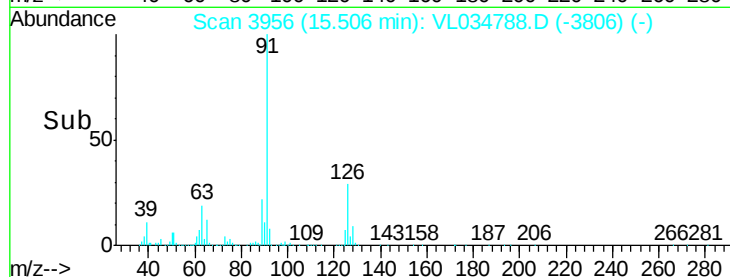
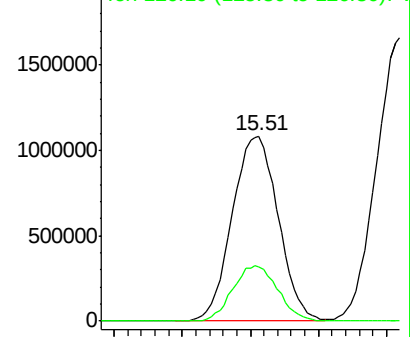
apatel

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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: 9.549 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Tgt Ion: 105 Resp: 2636832

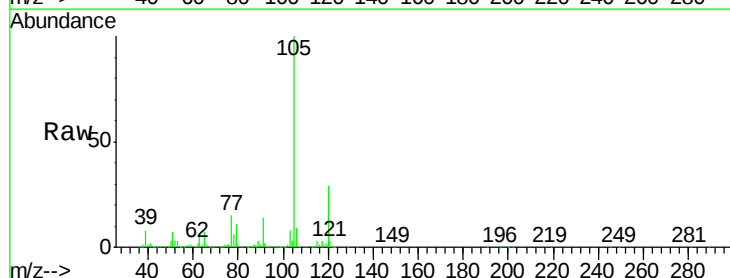
Ion Ratio Lower Upper

105 100

120 28.3 23.0 34.6

91 13.5 11.1 16.7

77 15.2 12.2 18.4

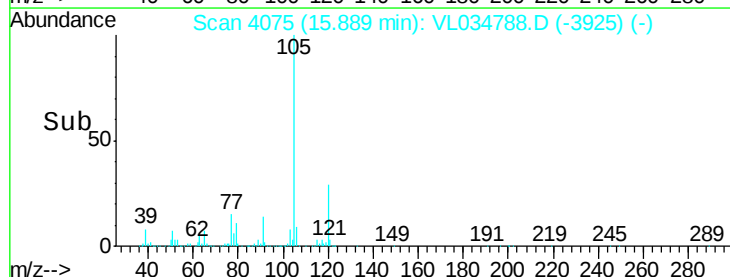
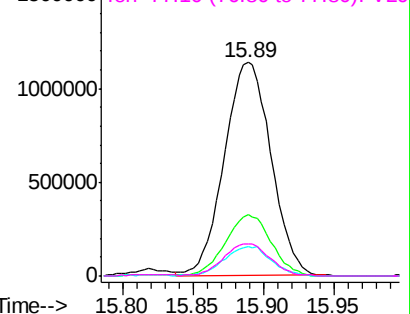


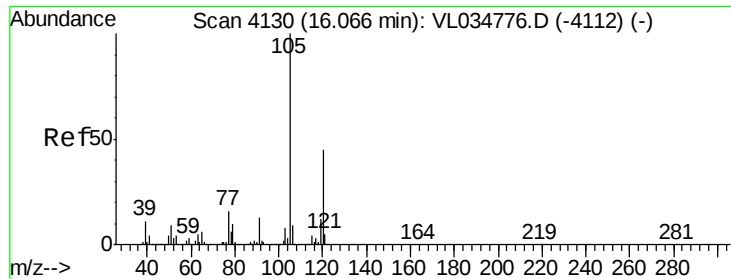
Abundance Ion 105.10 (104.80 to 105.80): V

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





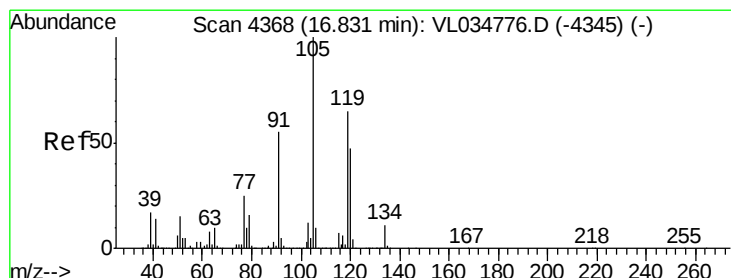
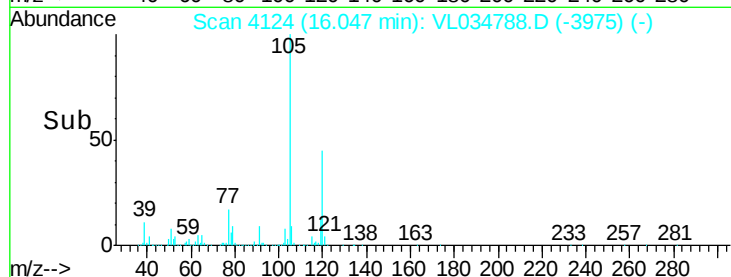
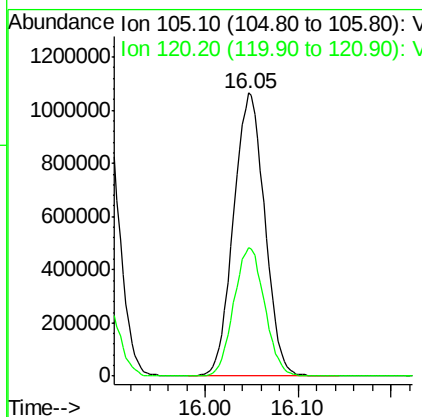
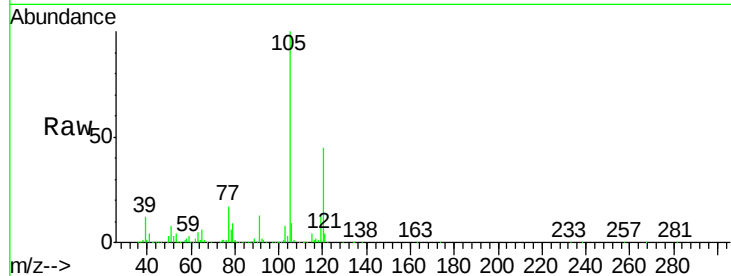
#73
 1,3,5-Trimethylbenzene
 Concen: 9.353 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2477356
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.6 53.4

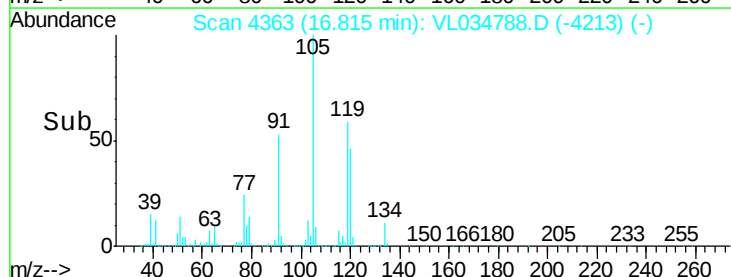
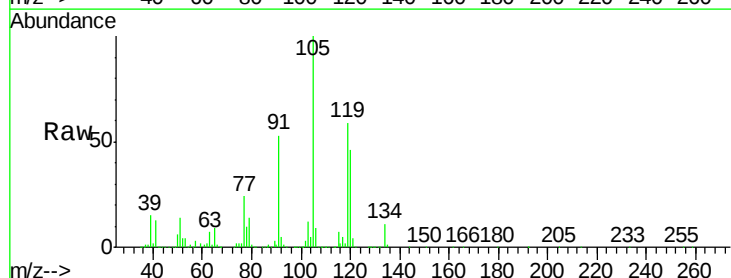
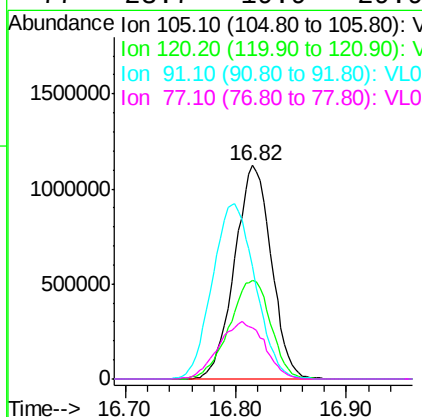
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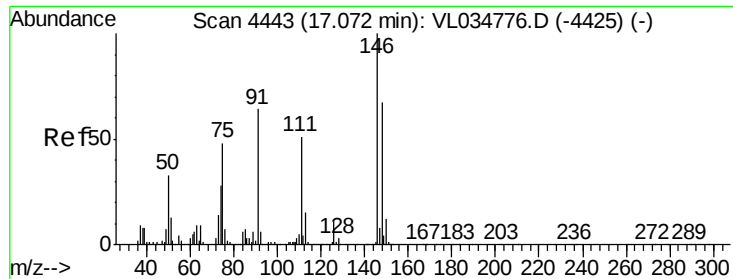
apatel
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.992 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion:105 Resp: 2589094
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.8 56.6
 91 52.9 43.8 65.8
 77 23.7 19.9 29.9





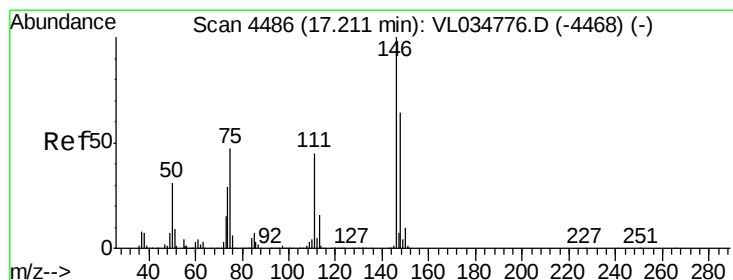
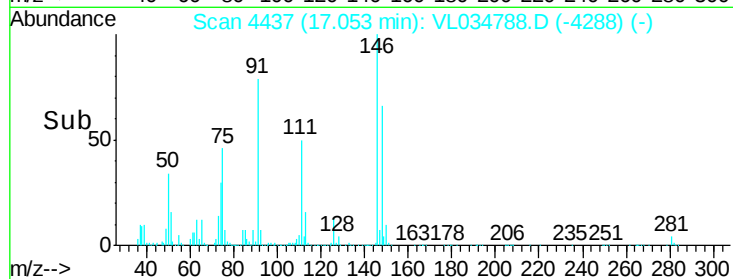
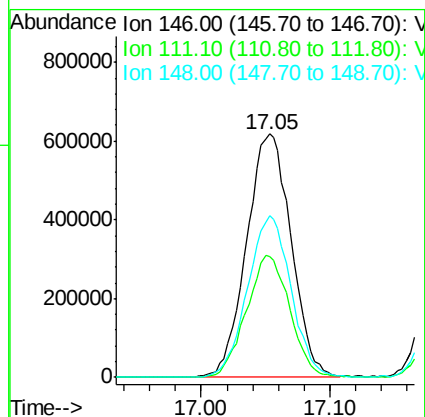
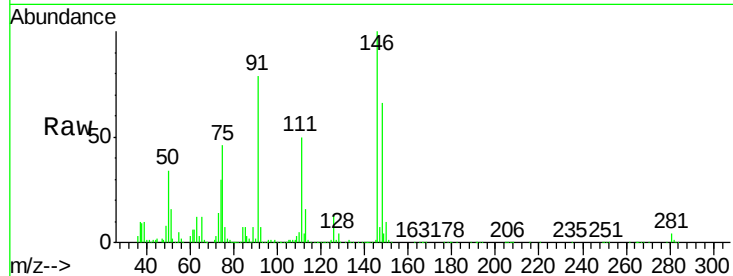
#75
 1,3-Dichlorobenzene
 Concen: 8.716 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1485606
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.7 74.1
 148 64.8 31.8 95.4

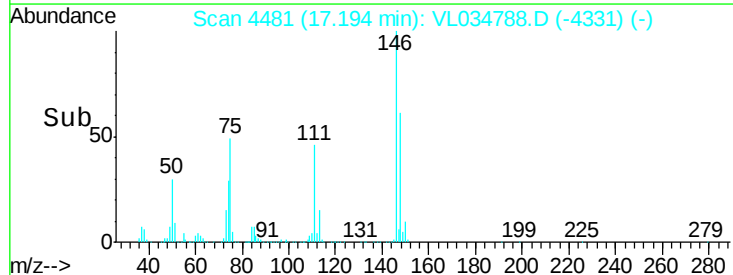
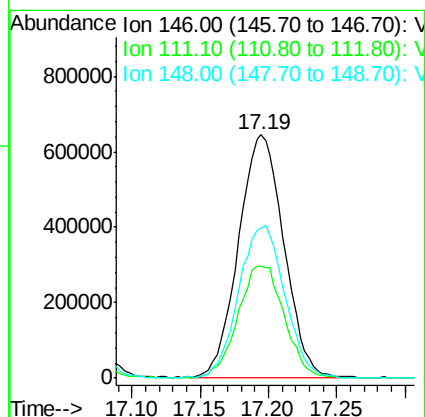
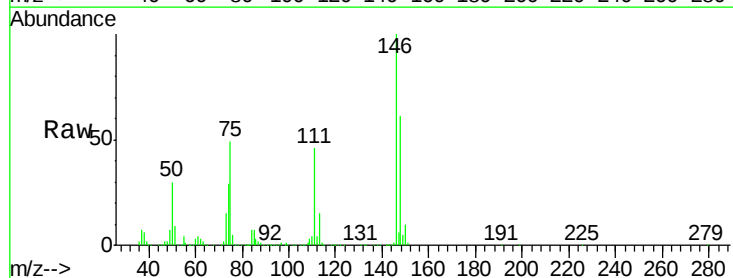
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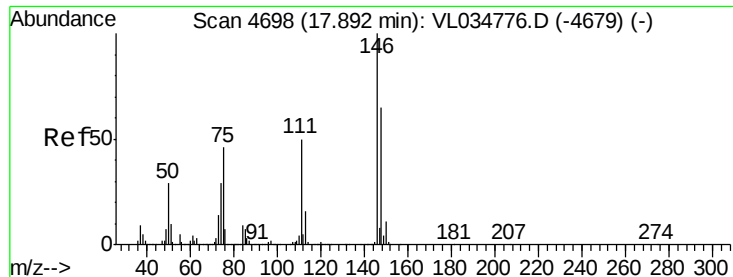
apatel
 3/4/2020 4:45:48 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.065 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Tgt Ion:146 Resp: 1478541
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.5 70.5
 148 64.5 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 9.020 ppbv

RT: 17.88 min Scan# 4693

Delta R.T. -0.02 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1470762

Ion Ratio Lower Upper

146 100

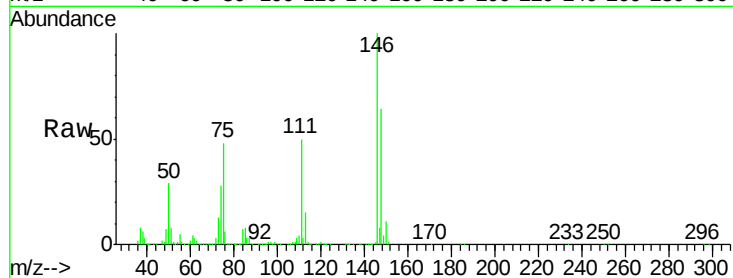
111 49.8 25.3 75.8

148 63.8 32.3 96.9

Manual Integrations
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apatel

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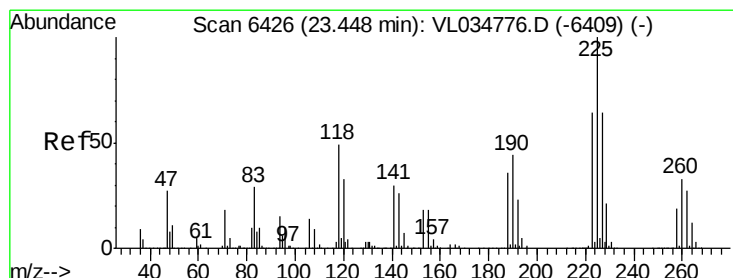
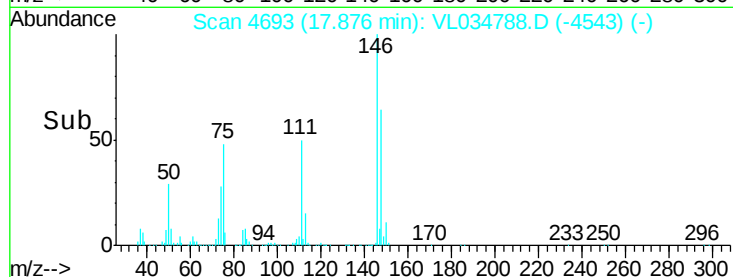
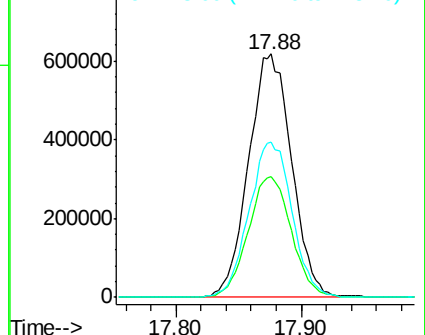


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.492 ppbv

RT: 23.44 min Scan# 6423

Delta R.T. -0.01 min

Lab File: VL034788.D

Acq: 4 Mar 2020 14:39

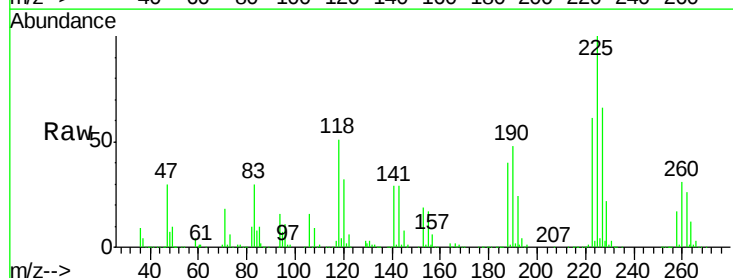
Tgt Ion:225 Resp: 1291621

Ion Ratio Lower Upper

225 100

223 62.5 51.3 76.9

227 63.7 51.9 77.9

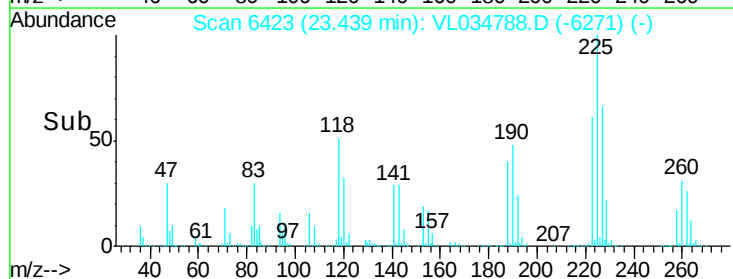
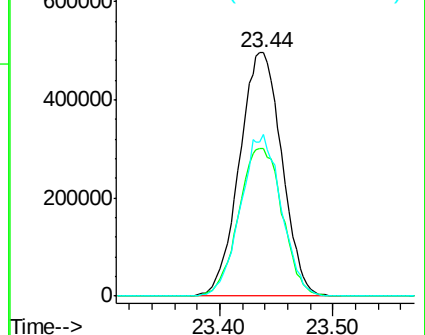


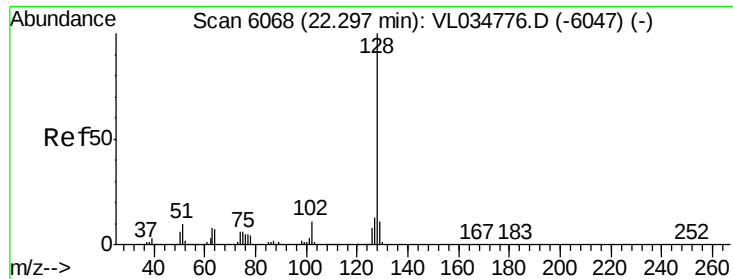
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





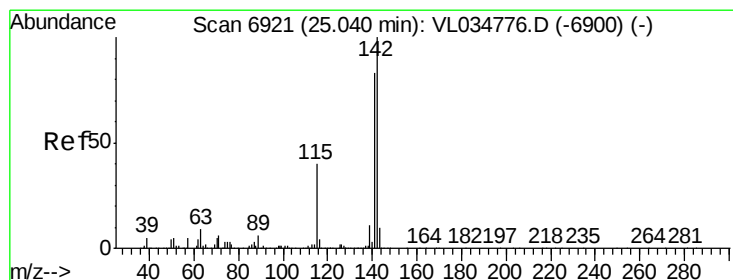
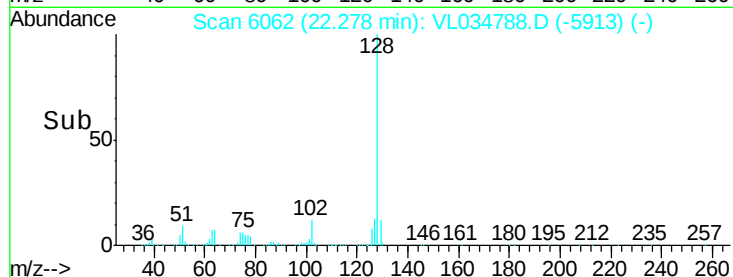
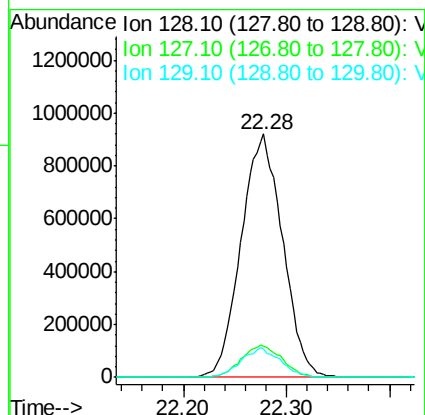
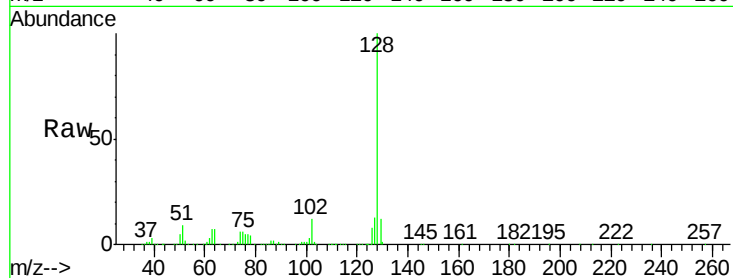
#79
Naphthalene
Concen: 11.874 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. -0.02 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.8	9.0	13.6

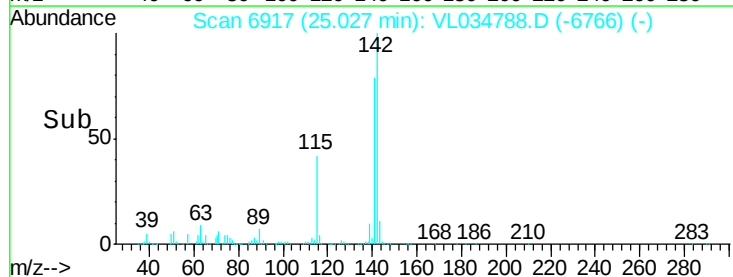
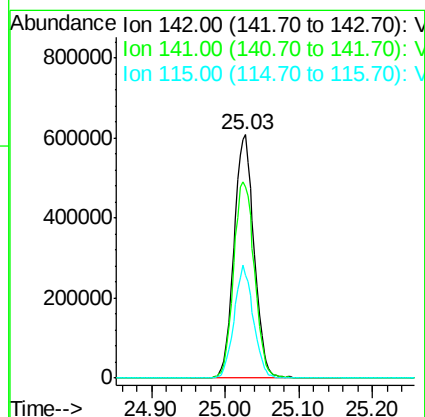
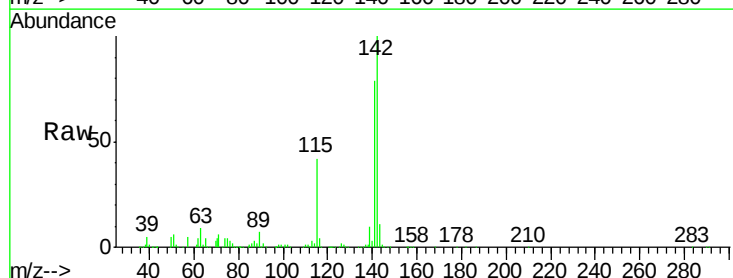
Manual Integrations
APPROVED

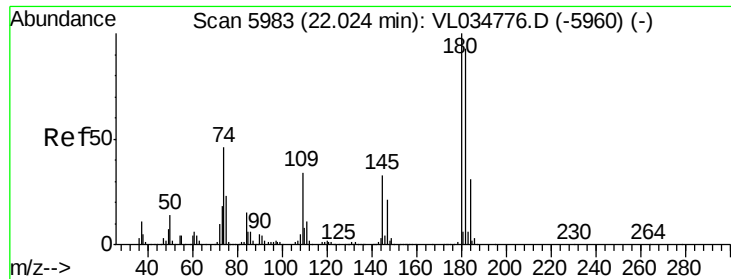
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#80
Naphthalene, 2-methyl-
Concen: 22.151 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. -0.01 min
Lab File: VL034788.D
Acq: 4 Mar 2020 14:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.7	101.5
115	44.2	30.7	46.1





#81
 1,2,4-Trichlorobenzene
 Concen: 10.751 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. -0.02 min
 Lab File: VL034788.D
 Acq: 4 Mar 2020 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	31.4	24.8	37.2

Manual Integrations
 APPROVED

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