

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032778.D
 Acq On : 20 Nov 2018 14:13
 Operator : SY/AP
 Sample : VL1120ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:18:40 AM

Quant Time: Nov 21 04:33:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1499072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3883577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3794393	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2674487	9.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1618801	7.512	ppbv 98
3) Chlorodifluoromethane	3.02	51	1041851	8.766	ppbv 100
4) Chloromethane	3.18	50	565417	8.580	ppbv 99
5) Vinyl Chloride	3.30	62	594786	8.518	ppbv 100
6) Bromomethane	3.52	94	393159	9.204	ppbv 96
7) Chloroethane	3.61	64	229534	9.120	ppbv # 88
8) Dichlorotetrafluoroethane	3.23	85	1479473	8.713	ppbv 98
9) Propene	3.04	41	432017	9.083	ppbv 100
10) Heptane	8.26	43	1833549	10.098	ppbv 99
11) Trichlorofluoromethane	4.01	101	2547901	12.547	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1740662	10.494	ppbv 96
13) Ethanol	3.66	45	113163	7.264	ppbv 98
14) Bromoethene	3.80	108	507184	9.216	ppbv 99
15) Acetone	3.91	43	1088140	7.948	ppbv 98
16) 1,3-Butadiene	3.37	39	493787	9.314	ppbv 90
17) tert-Butyl alcohol	4.37	59	439861	10.244	ppbv 98
18) 1,1-Dichloroethene	4.36	96	794302	9.738	ppbv 96
19) Isopropyl Alcohol	4.03	45	1125503	12.341	ppbv 100
20) Methylene Chloride	4.42	84	701077	9.892	ppbv 94
21) Allyl Chloride	4.49	41	1245945	10.830	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	763790	9.590	ppbv 94
23) Vinyl Acetate	5.17	43	2392378	9.587	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1819094	9.169	ppbv 99
25) Ethyl Acetate	5.78	43	3058656	9.586	ppbv 99
26) Hexane	5.79	57	1448356	10.197	ppbv 98
27) Carbon Disulfide	4.63	76	1897953	10.538	ppbv 99
28) Methyl tert-Butyl Ether	5.12	73	2262470	9.989	ppbv 99
29) Chloroform	5.86	83	2466103	9.742	ppbv 96
30) Cyclohexane	7.26	84	1274721	10.261	ppbv 97
31) cis-1,2-Dichloroethene	5.65	61	1415303	9.911	ppbv 100
32) 1,1,1-Trichloroethane	6.63	97	2483373	8.950	ppbv 99
34) 2-Butanone	5.34	43	1881646	9.342	ppbv 98
35) Carbon Tetrachloride	7.15	117	2736123	8.764	ppbv 98
36) Benzene	7.02	78	2982084	9.643	ppbv 100
37) 1,2-Dichloroethane	6.43	62	1845985	8.867	ppbv 99
38) Trichloroethene	7.98	130	1249068	9.980	ppbv 99
39) 1,2-Dichloropropane	7.75	63	1107506	9.399	ppbv 98
40) 1,4-Dioxane	7.97	88	417373	9.917	ppbv # 1
41) Tetrahydrofuran	6.16	42	1152630	9.976	ppbv 100
42) Bromodichloromethane	7.93	83	2624236	9.299	ppbv 98
43) Methyl Methacrylate	8.15	69	1165050	10.091	ppbv 97

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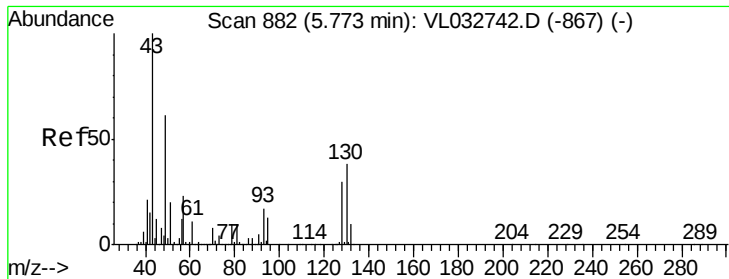
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4995869	9.667	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1712120	11.052	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1987035	10.616	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1328987	9.539	ppbv	97
48) Dibromochloromethane	10.47	129	2366841	9.995	ppbv	99
49) Bromoform	13.22	173	2067287	10.571	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3017738	9.592	ppbv	98
51) 2-Hexanone	10.29	43	2118528	10.452	ppbv #	99
52) Tetrachloroethene	11.39	164	1108823	10.307	ppbv	99
53) Toluene	9.96	91	3548252	10.998	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1975223	10.029	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.30	131	1653052	9.340	ppbv	99
57) Chlorobenzene	12.32	112	2702844	9.305	ppbv	99
58) Ethyl Benzene	12.88	91	4770663	10.447	ppbv	98
59) m/p-Xylene	13.14	91	8055021m	19.815	ppbv	
60) o-Xylene	13.87	91	3875983	9.483	ppbv	99
61) Styrene	13.70	104	2913819	10.951	ppbv	99
62) Isopropylbenzene	14.84	105	5625658	10.182	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2646575	8.306	ppbv	99
64) n-propylbenzene	15.74	120	1427820	9.825	ppbv	95
65) tert-Butylbenzene	16.92	119	4985403	10.066	ppbv	97
66) Benzyl Chloride	17.17	91	2704597	9.878	ppbv	99
67) sec-Butylbenzene	17.48	105	6892674	9.657	ppbv	99
69) p-Isopropyltoluene	17.83	119	5902937	10.401	ppbv	98
70) n-Butylbenzene	18.73	91	5545405	9.623	ppbv	99
71) 2-Chlorotoluene	15.63	91	4066220	9.869	ppbv	98
72) 4-Ethyltoluene	16.02	105	4508619	10.063	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	4283871	9.780	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	4399175	9.385	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2460159	9.150	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2401244	9.561	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	2370974	9.532	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1048189	7.808	ppbv	100
79) Naphthalene	22.43	128	3184348	10.341	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	854806	11.084	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1656328	10.711	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 49 Resp: 1499072

Ion Ratio Lower Upper

49 100

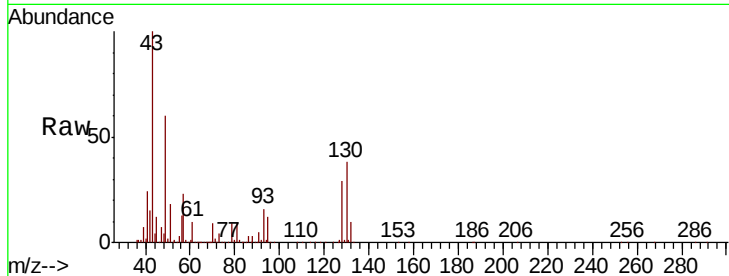
128 52.2 24.9 74.6

130 66.6 31.4 94.2

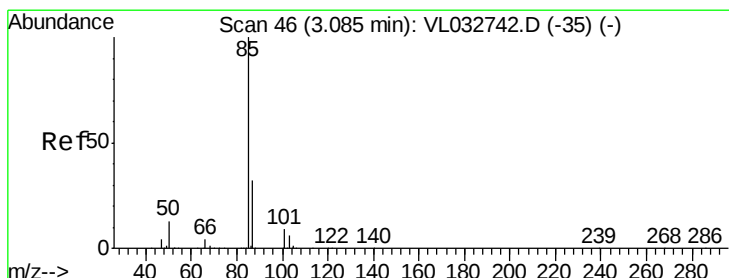
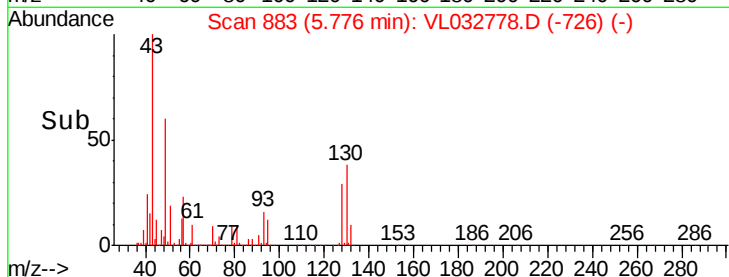
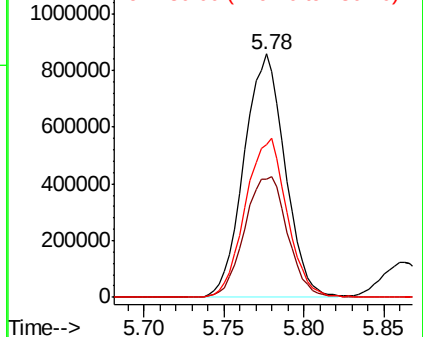
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.512 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032778.D

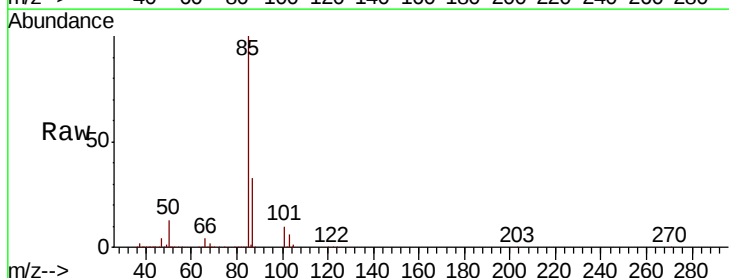
Acq: 20 Nov 2018 14:13

Tgt Ion: 85 Resp: 1618801

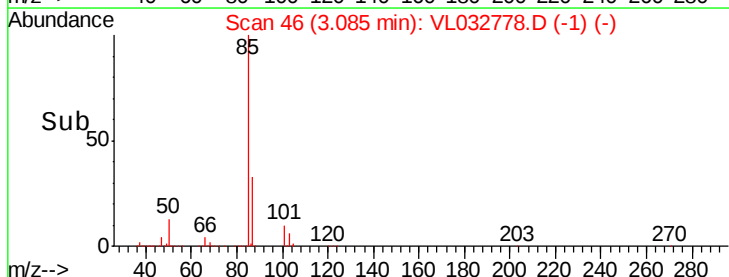
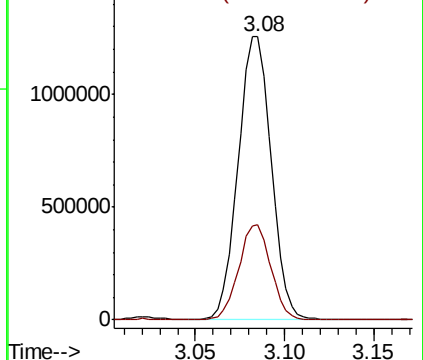
Ion Ratio Lower Upper

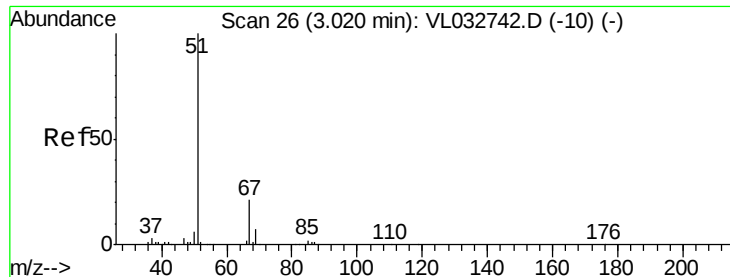
85 100

87 33.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.766 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tot Ion: 51 Resp: 1041851

Ion Ratio Lower Upper

51 100

67 20.3 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

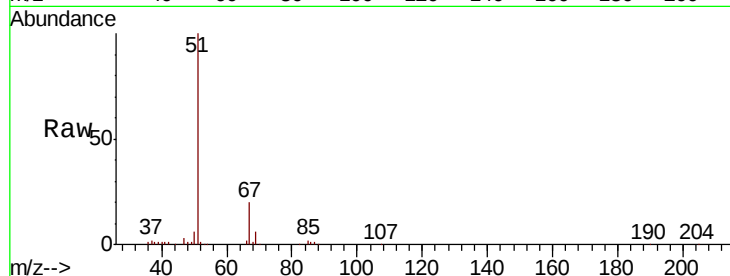
VL1120ABS01

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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

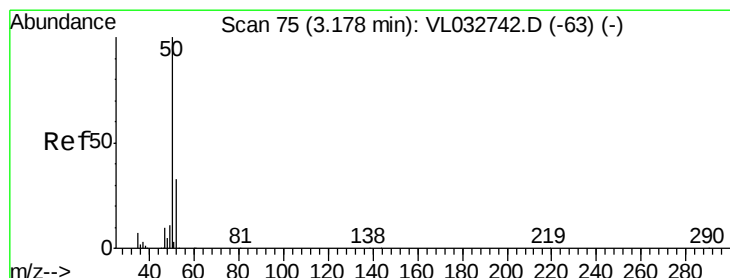
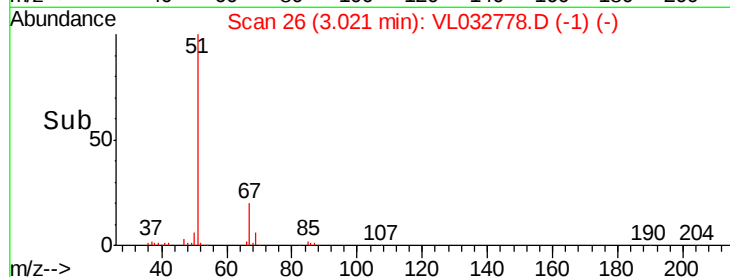
400000

200000

0

2.95 3.00 3.05 3.10

Time-->



#4

Chloromethane

Concen: 8.580 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032778.D

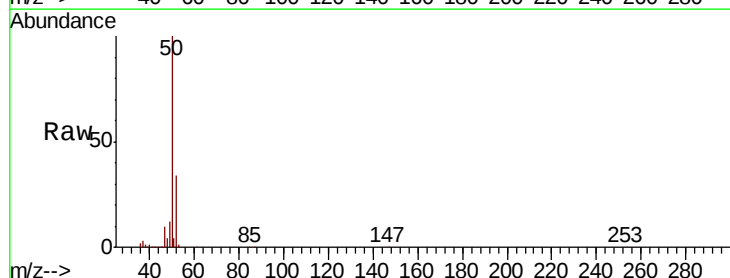
Acq: 20 Nov 2018 14:13

Tgt Ion: 50 Resp: 565417

Ion Ratio Lower Upper

50 100

52 33.7 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

300000

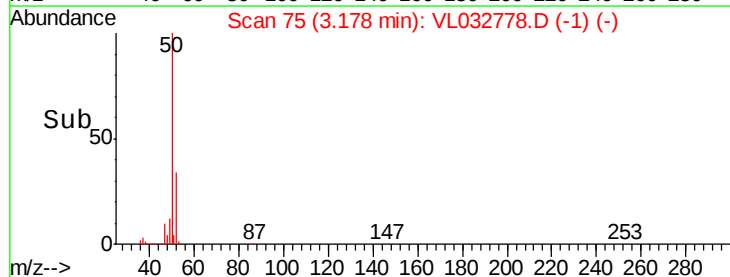
200000

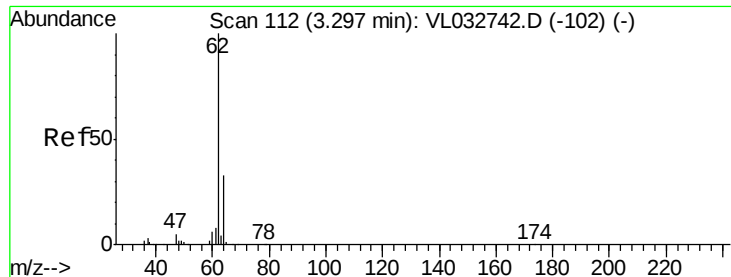
100000

0

3.15 3.20

Time-->





#5

Vinyl Chloride

Concen: 8.518 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleID :

VL1120ABS01

Tot Ion: 62 Resp: 594786

Ion Ratio Lower Upper

62 100

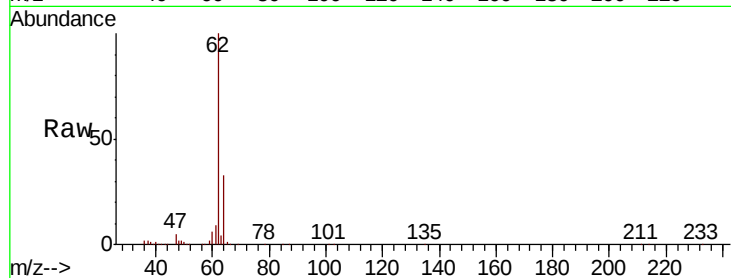
64 32.9 26.2 39.4

Manual Integrations

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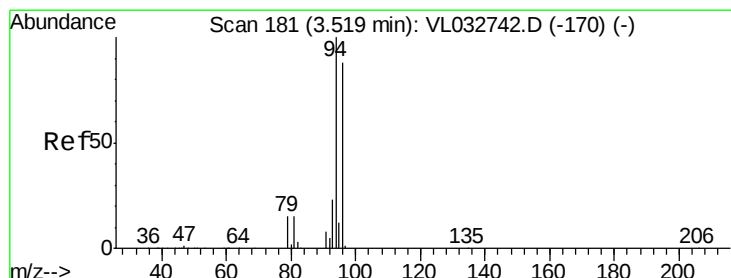
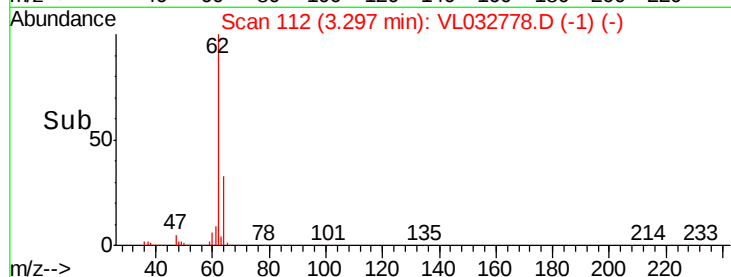
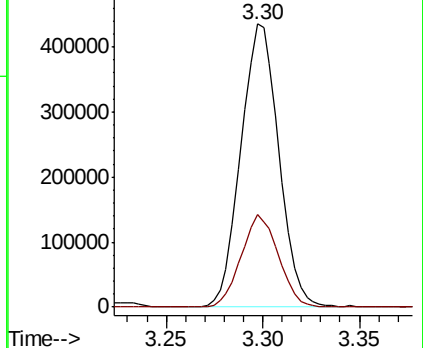
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.204 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032778.D

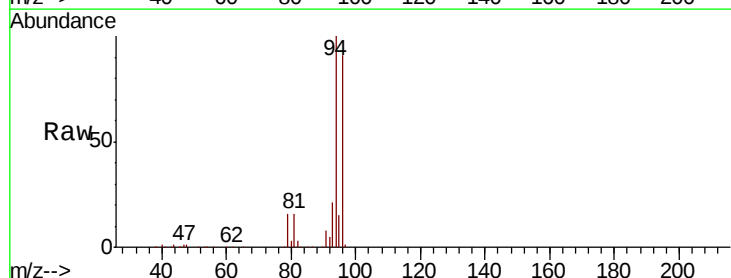
Acq: 20 Nov 2018 14:13

Tgt Ion: 94 Resp: 393159

Ion Ratio Lower Upper

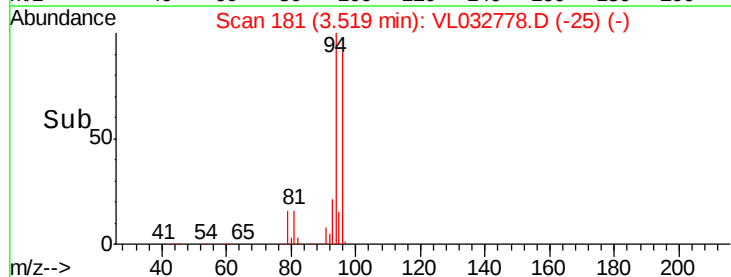
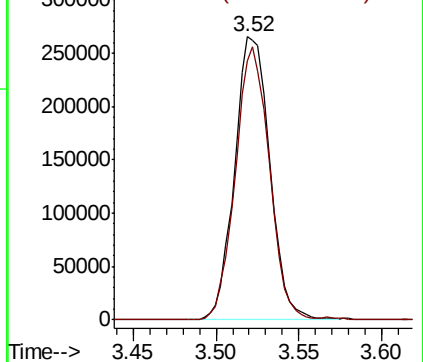
94 100

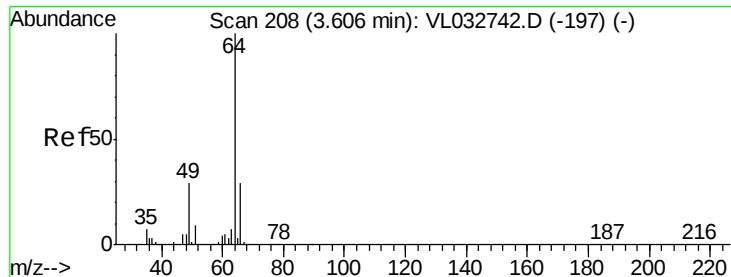
96 91.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.120 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 64 Resp: 229534

Ion Ratio Lower Upper

64 100

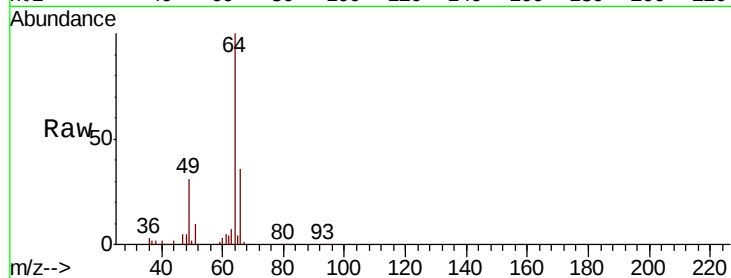
66 35.6 23.2 34.8#

Manual Integrations

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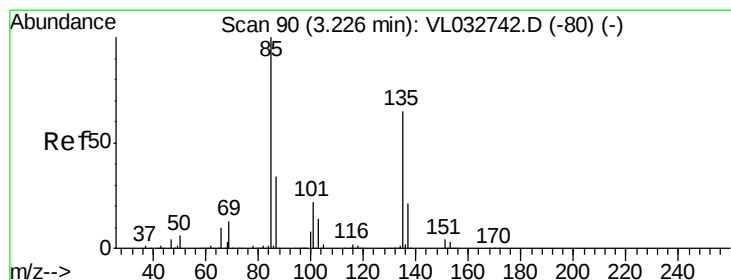
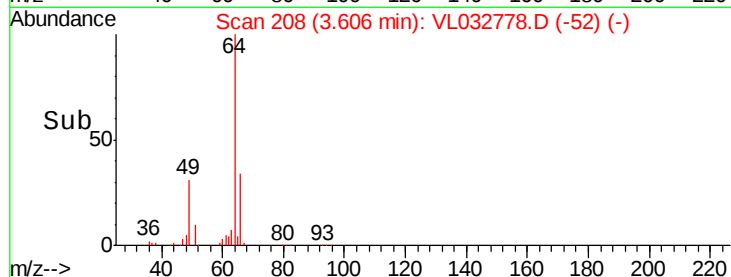
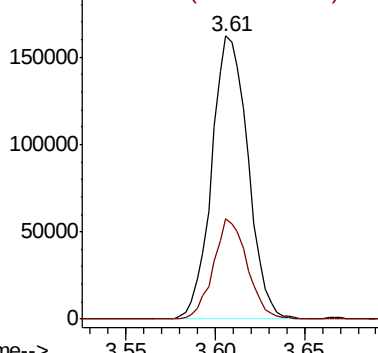
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.713 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032778.D

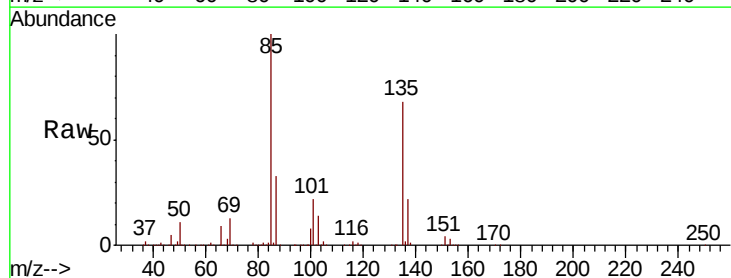
Acq: 20 Nov 2018 14:13

Tgt Ion: 85 Resp: 1479473

Ion Ratio Lower Upper

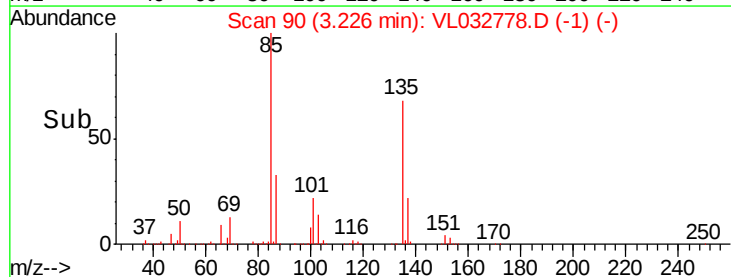
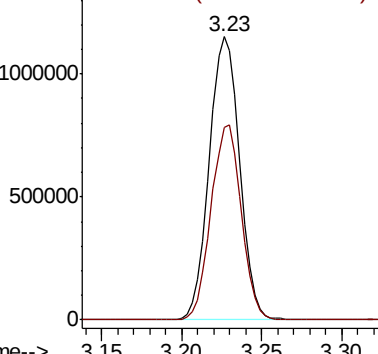
85 100

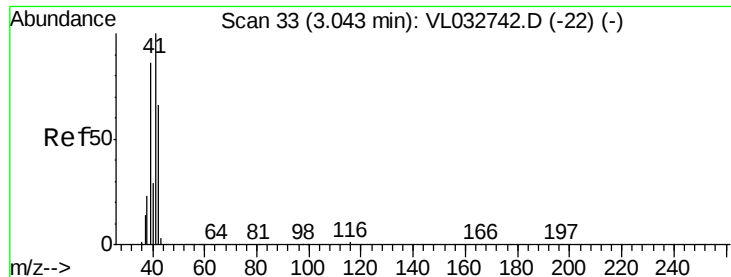
135 69.1 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





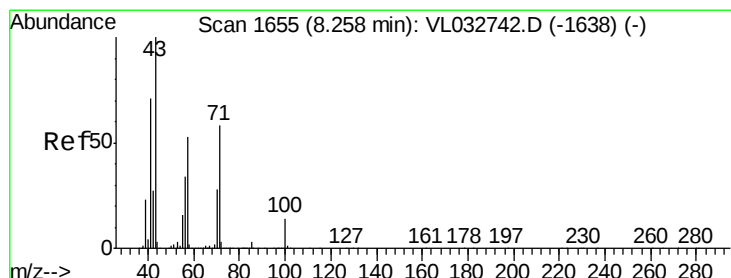
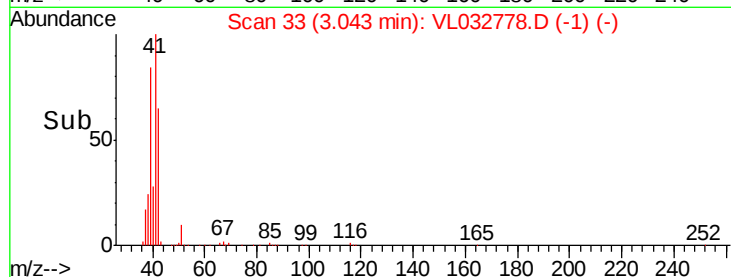
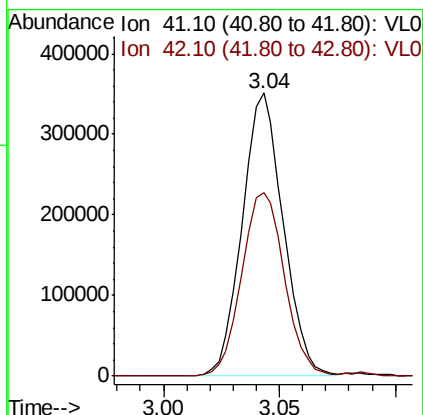
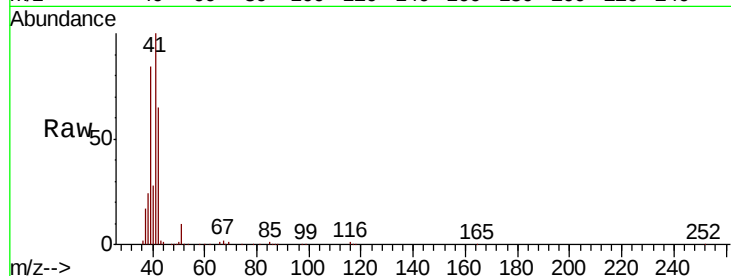
#9
 Propene
 Concen: 9.083 ppbv
 RT: 3.04 min Scan# 33
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion: 41 Resp: 432017
 Ion Ratio Lower Upper
 41 100
 42 68.6 55.0 82.6

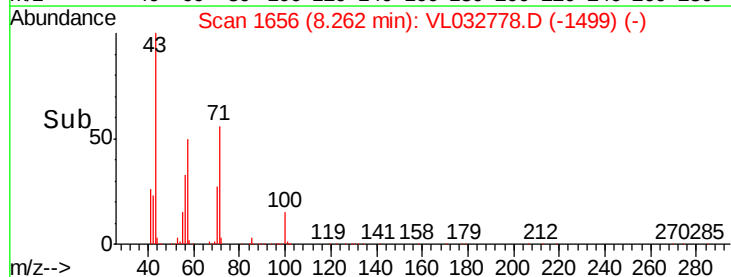
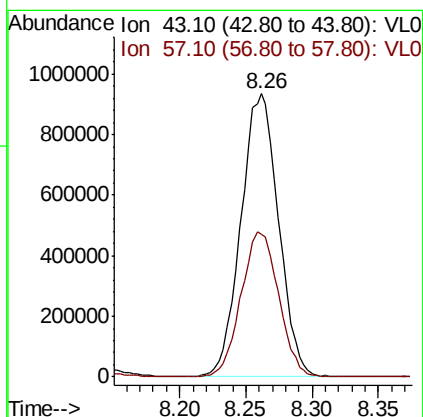
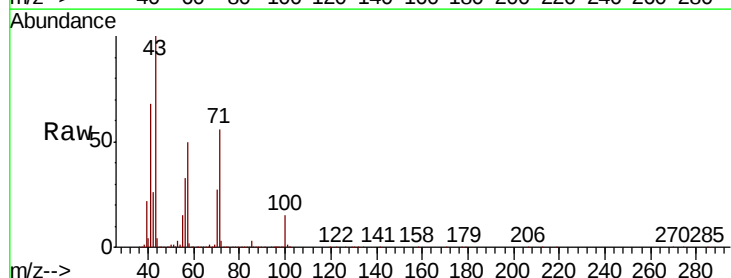
Manual Integrations
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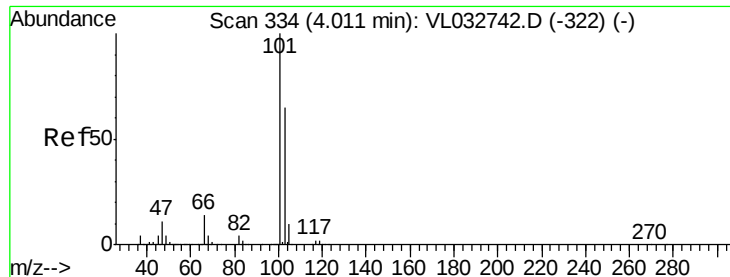
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#10
 Heptane
 Concen: 10.098 ppbv
 RT: 8.26 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 43 Resp: 1833549
 Ion Ratio Lower Upper
 43 100
 57 51.6 41.8 62.8





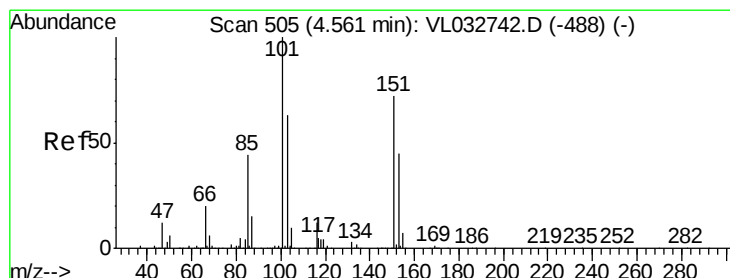
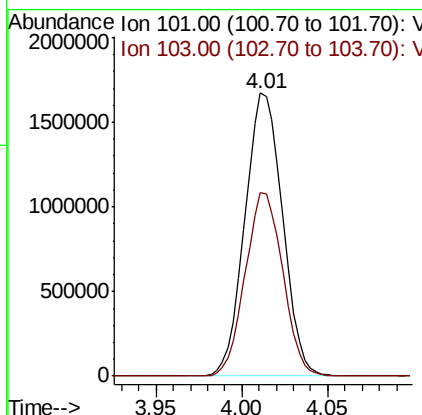
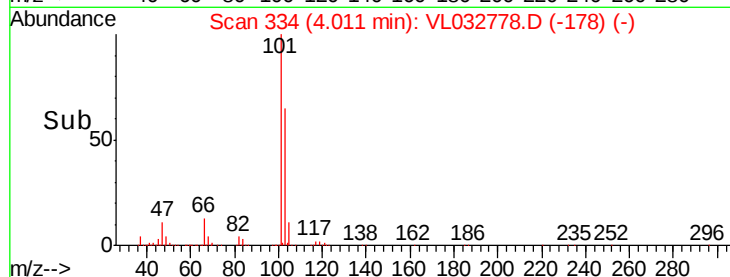
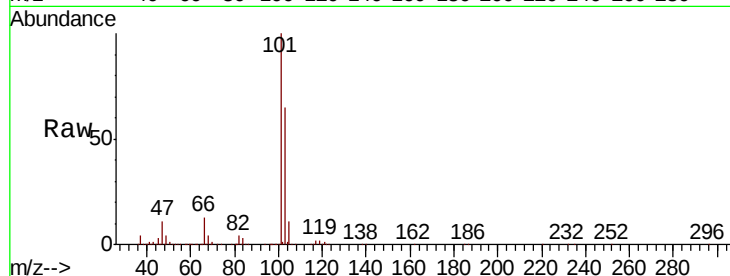
#11
 Trichlorofluoromethane
 Concen: 12.547 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion:101 Resp: 2547901
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4

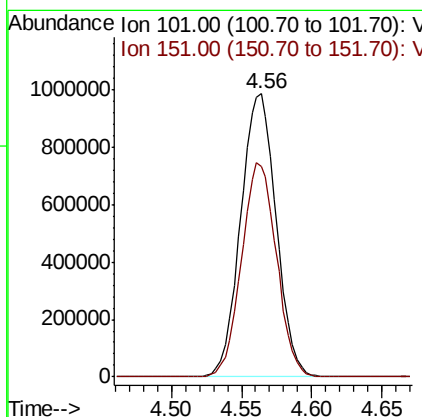
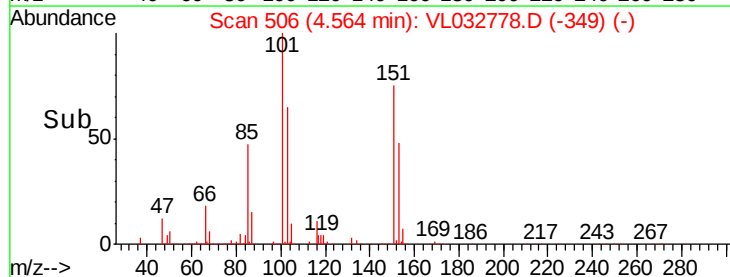
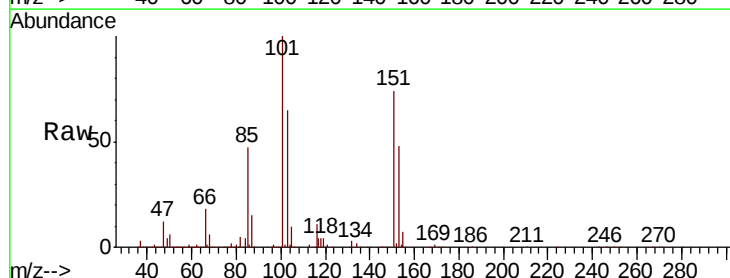
Manual Integrations
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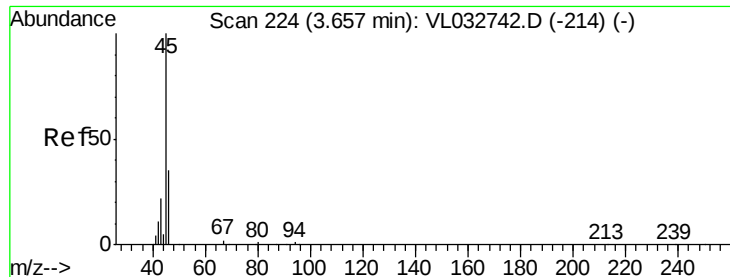
MMDadoda
 11/26/2018 9:18:40 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.494 ppbv
 RT: 4.56 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion:101 Resp: 1740662
 Ion Ratio Lower Upper
 101 100
 151 74.4 56.7 85.1





#13

Ethanol

Concen: 7.264 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 45 Resp: 113163

Ion Ratio Lower Upper

45 100

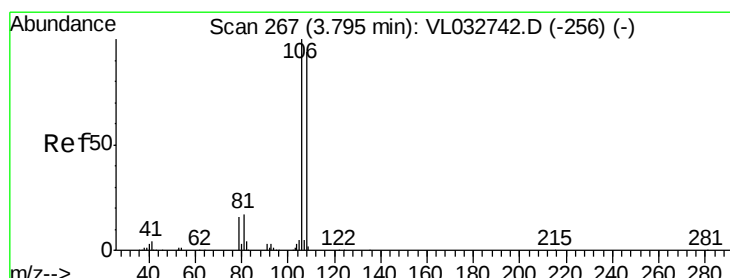
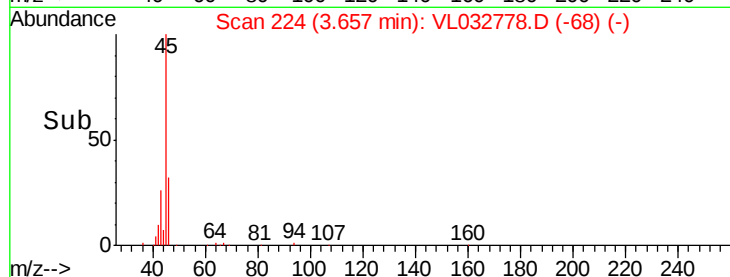
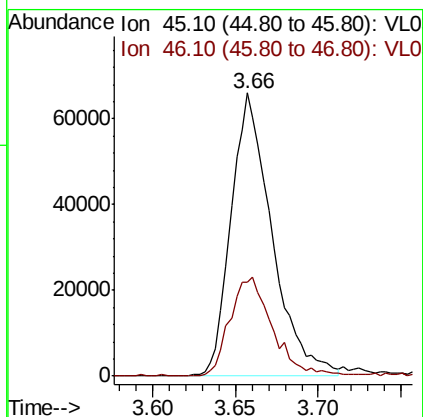
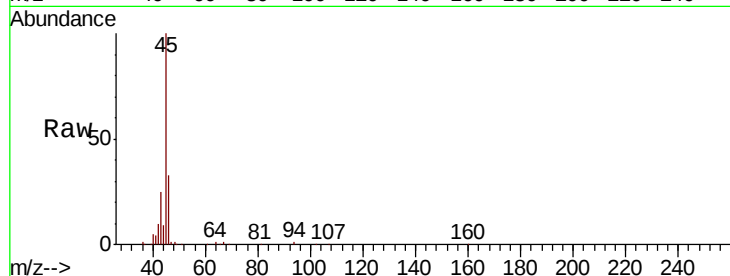
46 37.1 14.5 57.9

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#14

Bromoethene

Concen: 9.216 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

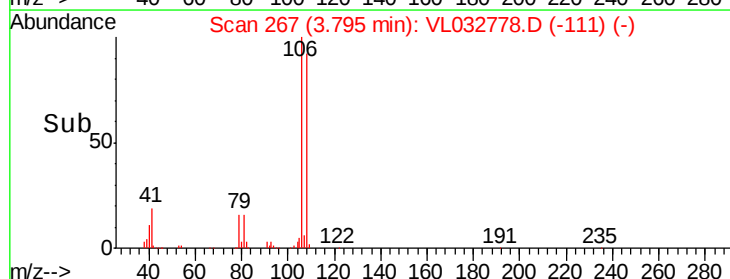
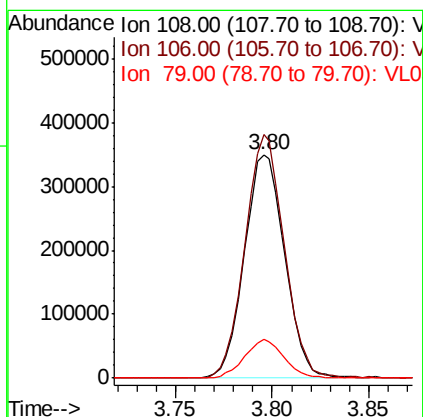
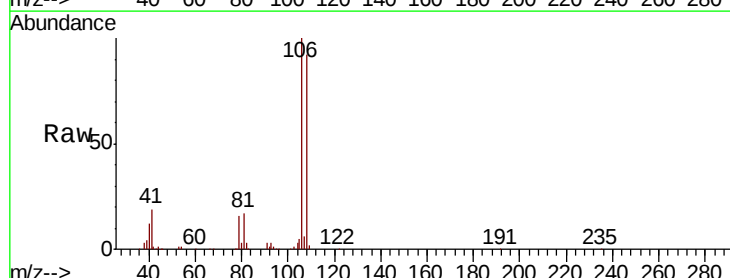
Tgt Ion: 108 Resp: 507184

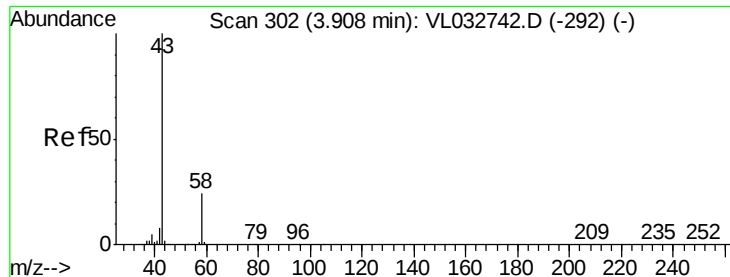
Ion Ratio Lower Upper

108 100

106 106.7 84.9 127.3

79 17.0 14.2 21.4





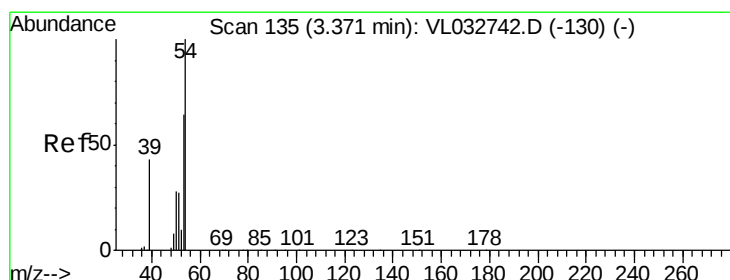
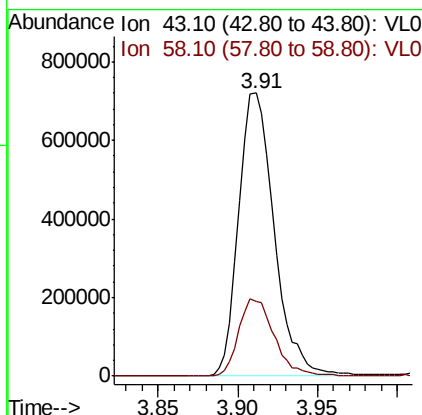
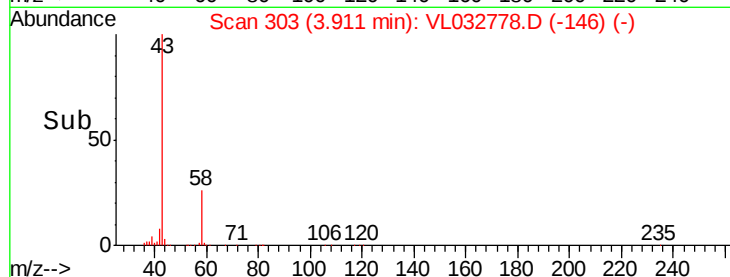
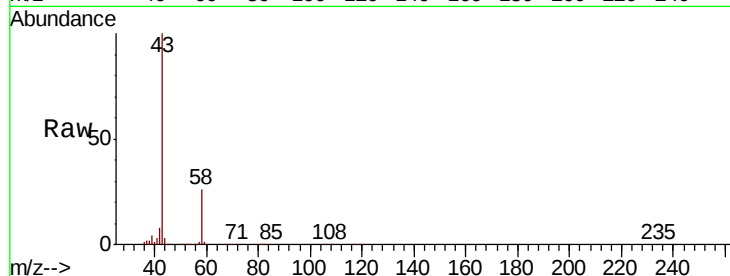
#15
Acetone
Concen: 7.948 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion: 43 Resp: 1088140
Ion Ratio Lower Upper
43 100
58 27.4 21.1 31.7

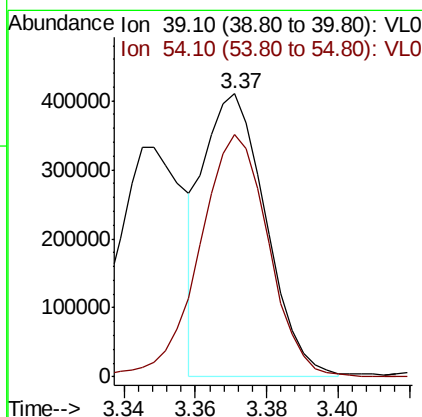
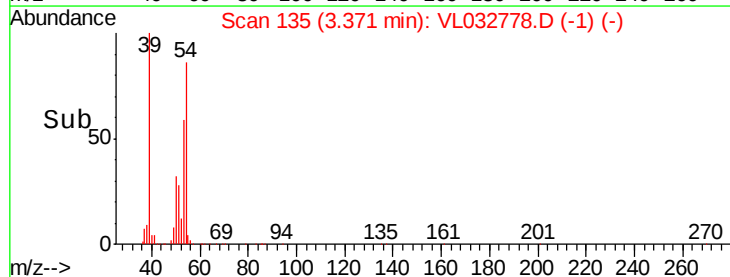
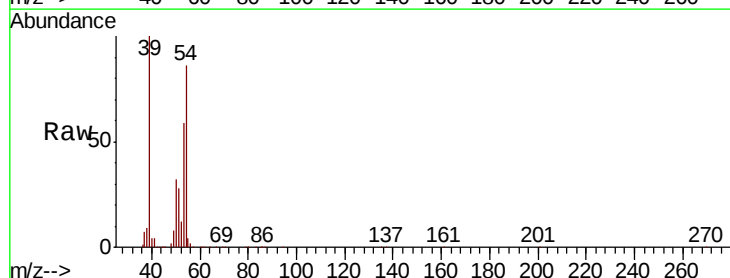
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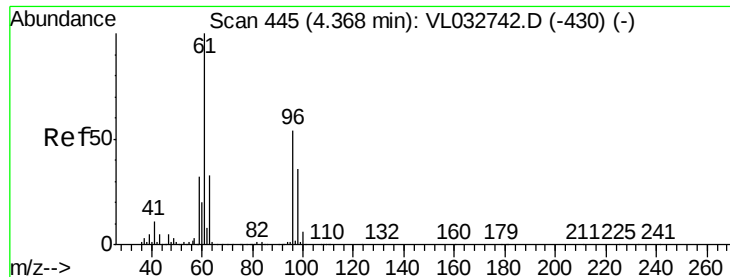
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#16
1,3-Butadiene
Concen: 9.314 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion: 39 Resp: 493787
Ion Ratio Lower Upper
39 100
54 95.6 68.9 103.3





#17

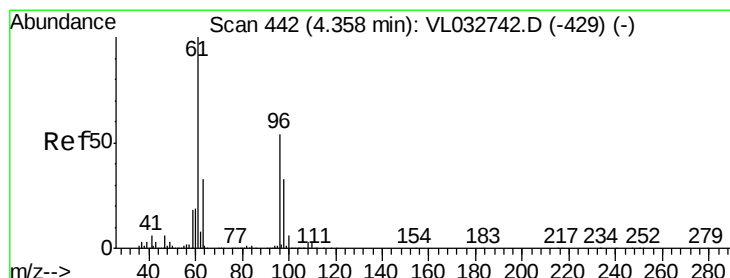
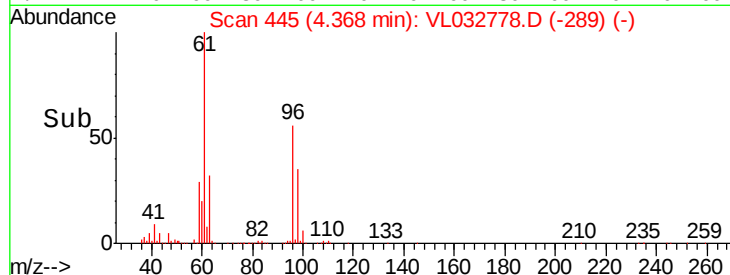
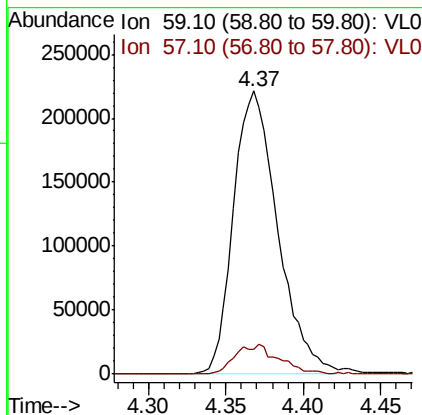
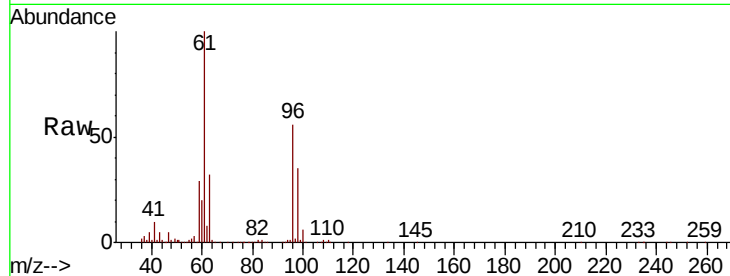
tert-Butyl alcohol
Concen: 10.244 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	59.10	Resp	439861
Ion Ratio	59	100	
Lower	57	10.5	7.8
Upper			11.8

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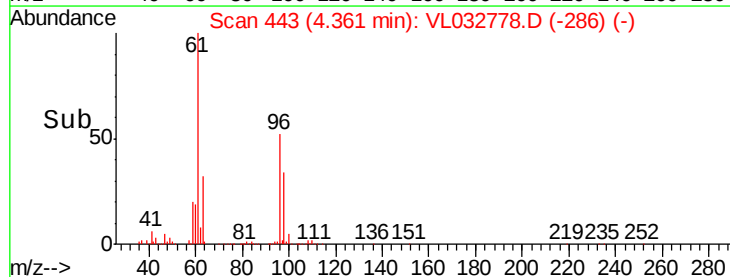
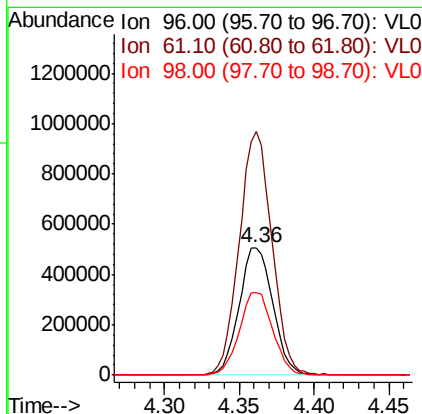
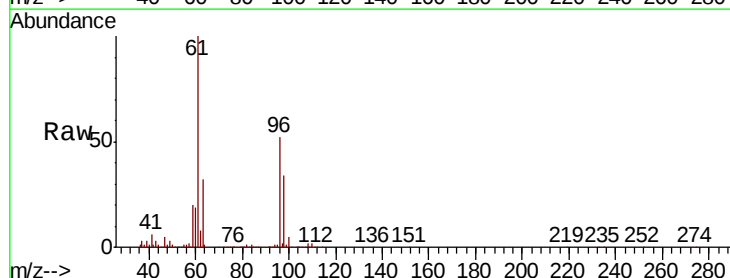
MMDadoda
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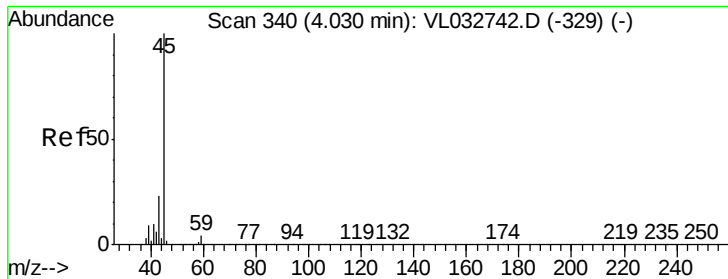


#18

1,1-Dichloroethene
Concen: 9.738 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	96	Resp	794302
Ion Ratio	96	100	
Lower	61	190.8	148.5
Upper	98	64.6	48.6





#19

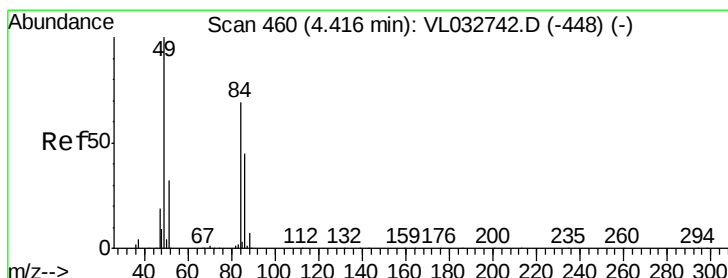
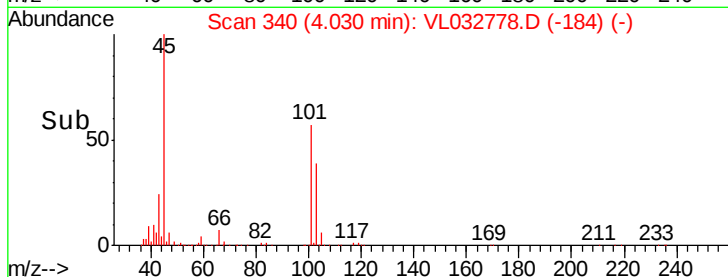
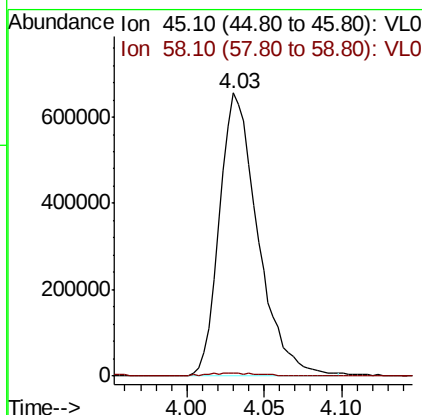
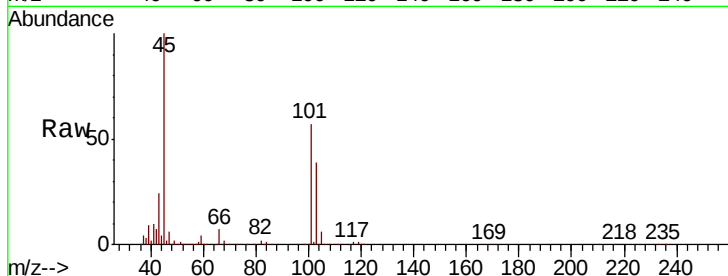
Isopropyl Alcohol
 Concen: 12.341 ppbv
 RT: 4.03 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion: 45 Resp: 1125503
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.4 2.0

Manual Integrations
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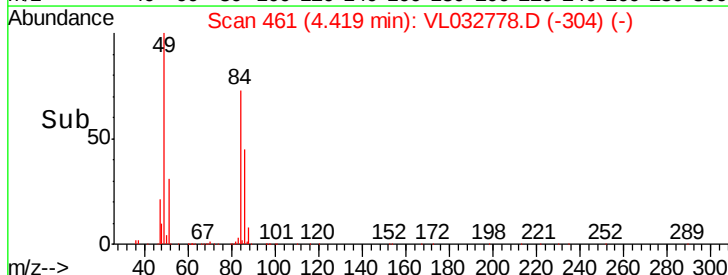
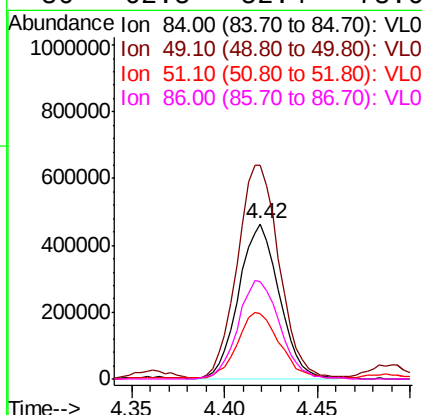
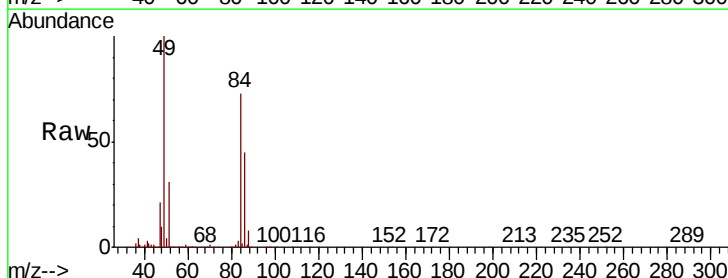
MMDadoda
 11/26/2018 9:18:40 AM

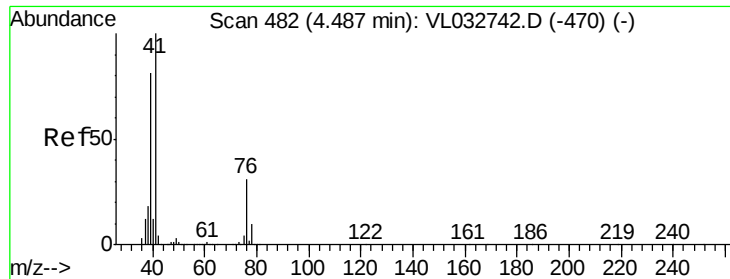


#20

Methylene Chloride
 Concen: 9.892 ppbv
 RT: 4.42 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 84 Resp: 701077
 Ion Ratio Lower Upper
 84 100
 49 136.9 115.8 173.6
 51 41.7 36.9 55.3
 86 62.5 52.4 78.6





#21

Allvl Chloride

Concen: 10.830 ppbv

RT: 4.49 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

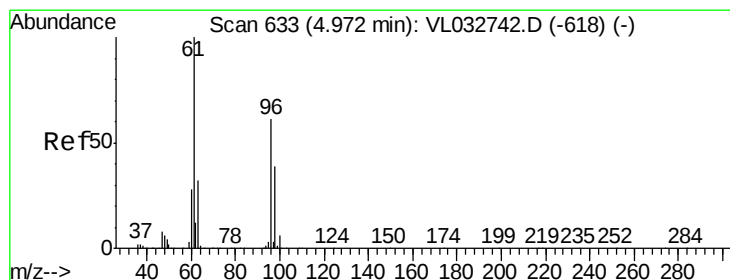
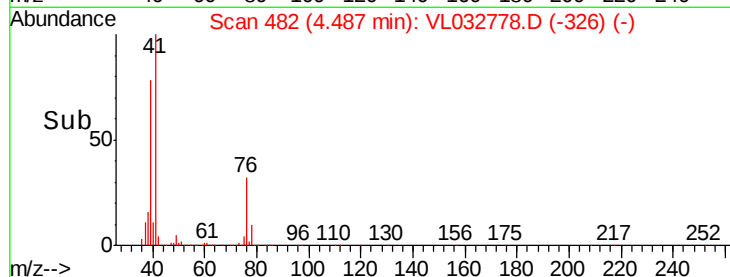
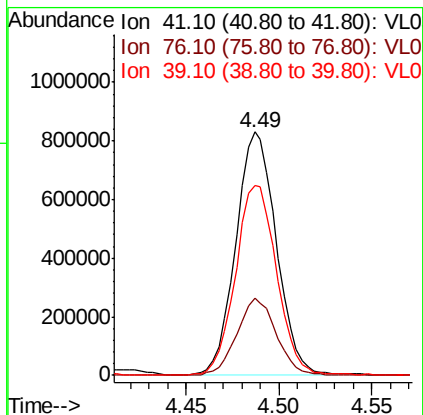
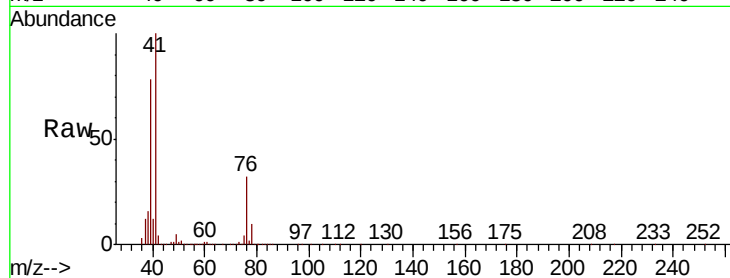
ClientSampleId :

VL1120ABS01

Tot Ion:	41	Resp:	1245945
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.4	36.6
39	80.0	63.5	95.3

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.590 ppbv

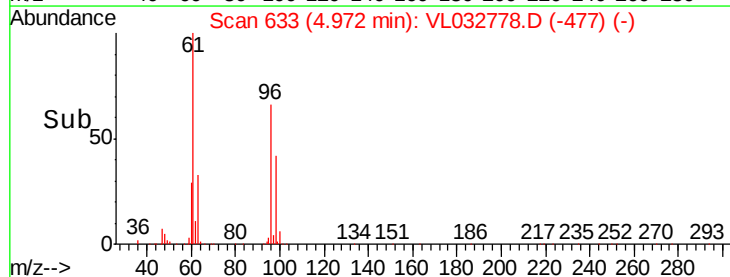
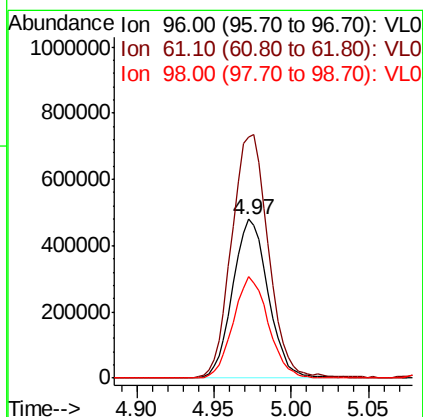
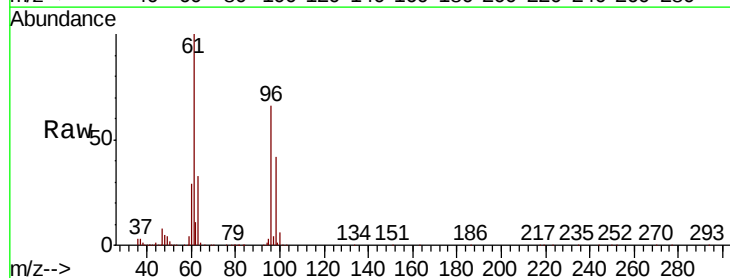
RT: 4.97 min Scan# 633

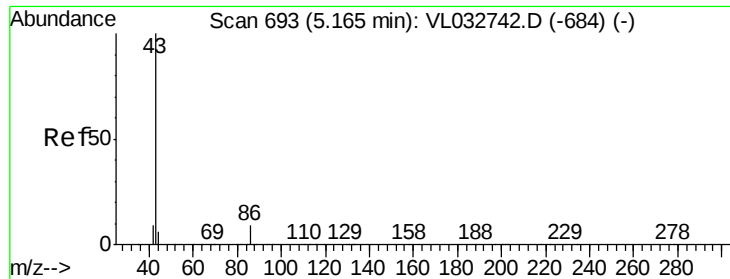
Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion:	96	Resp:	763790
Ion	Ratio	Lower	Upper
96	100		
61	152.0	130.2	195.2
98	64.4	50.2	75.2





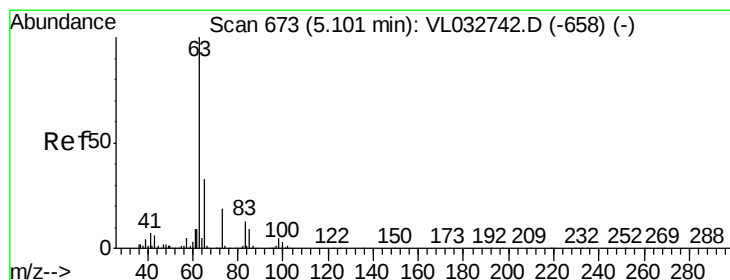
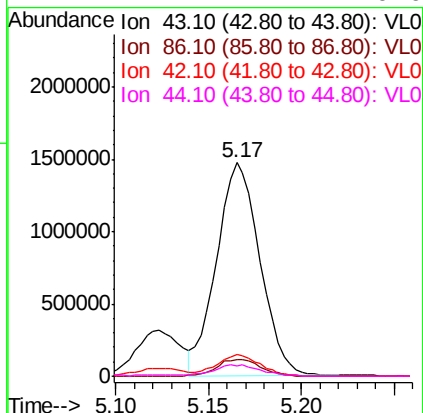
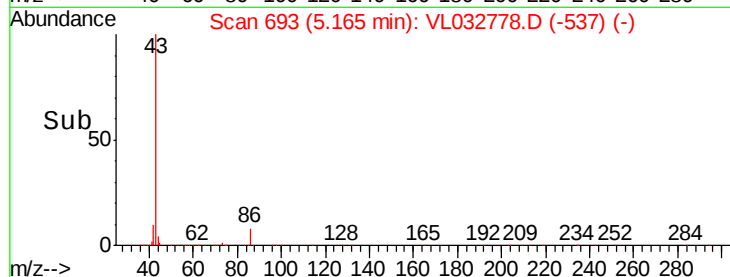
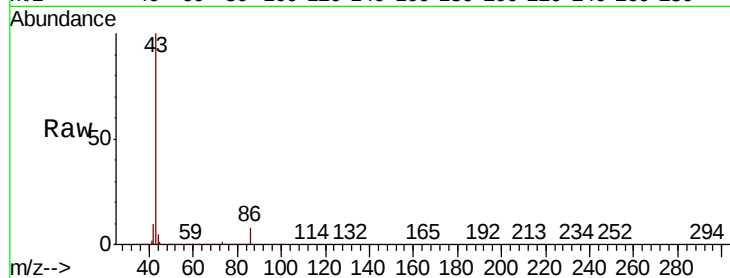
#23
 Vinyl Acetate
 Concen: 9.587 ppbv
 RT: 5.17 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion:	43	Resp:	2392378
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.4
42	10.2	7.8	11.6
44	4.7	4.4	6.6

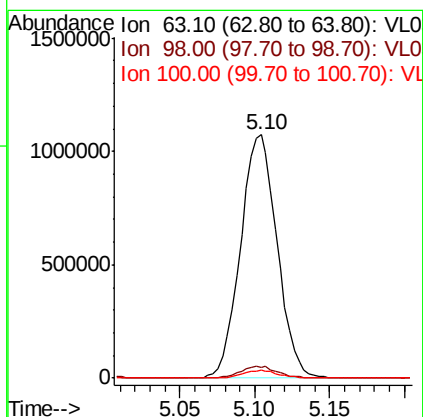
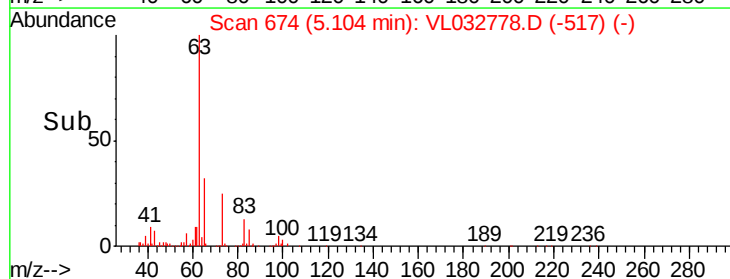
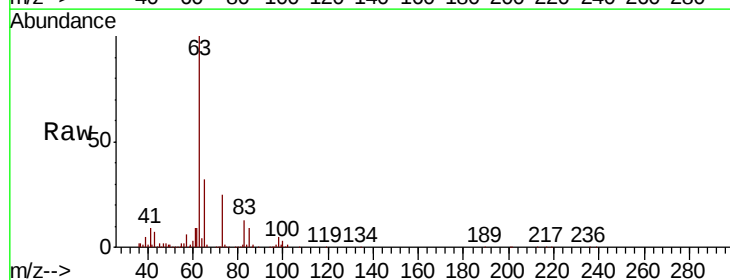
Manual Integrations
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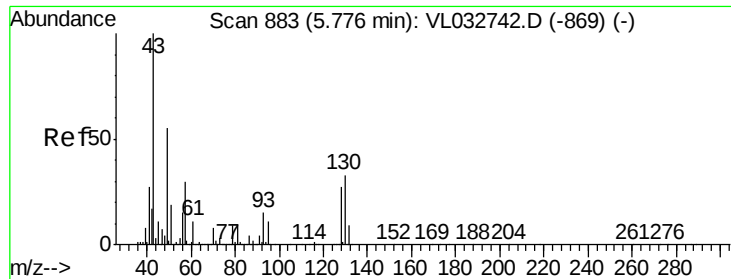
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.169 ppbv
 RT: 5.10 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion:	63	Resp:	1819094
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.1	1.4	4.2





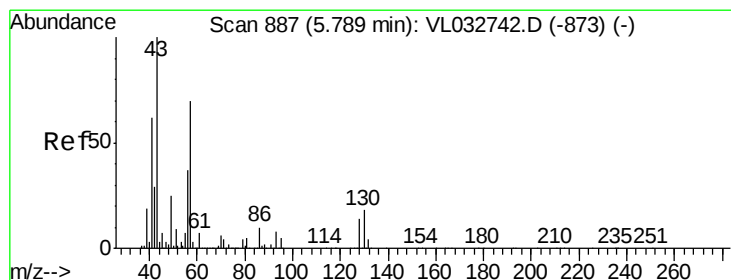
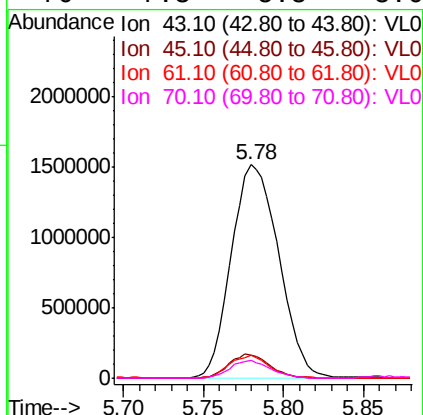
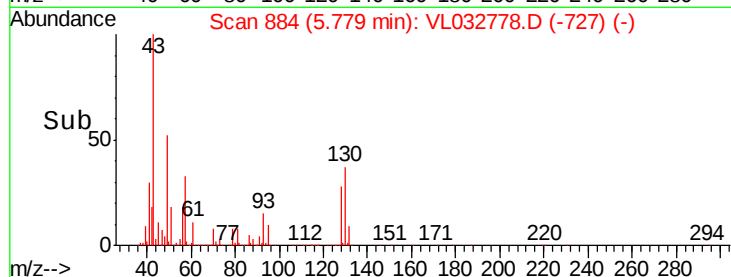
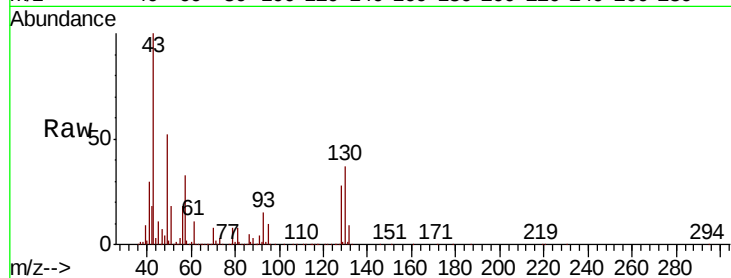
#25
Ethyl Acetate
Concen: 9.586 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.8	11.6
70	7.3	5.8	8.6

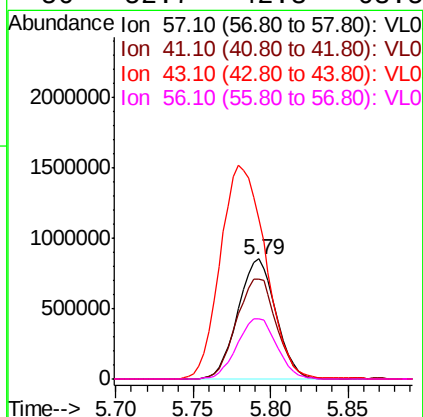
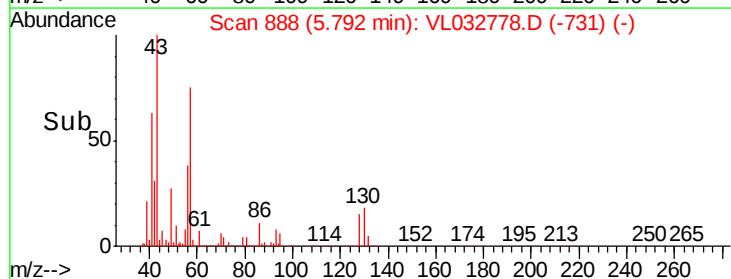
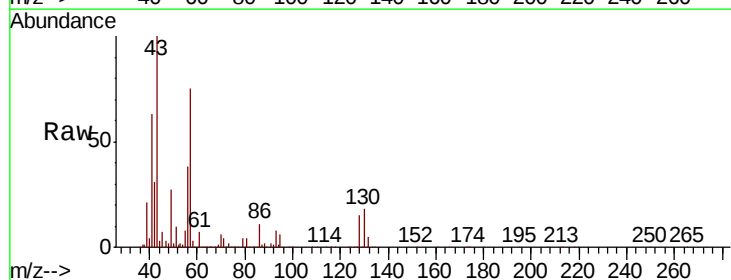
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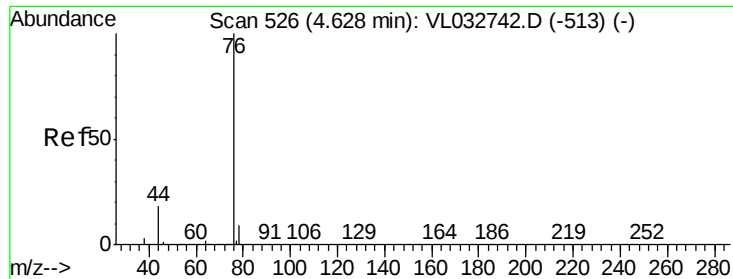
MMDadoda
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#26
Hexane
Concen: 10.197 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.5	70.3	105.5
43	213.3	174.0	261.0
56	52.7	42.3	63.5





#27

Carbon Disulfide

Concen: 10.538 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 76 Resp: 1897953

Ion Ratio Lower Upper

76 100

44 17.6 14.4 21.6

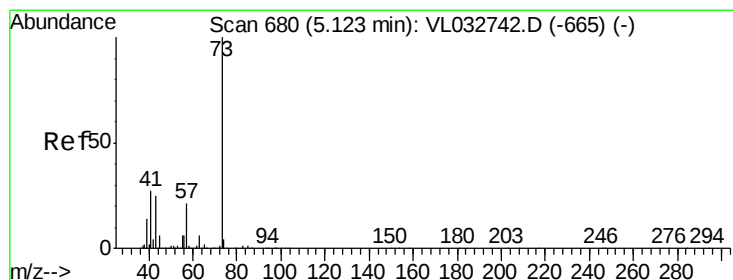
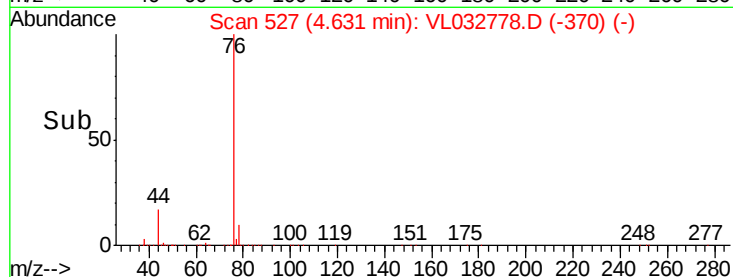
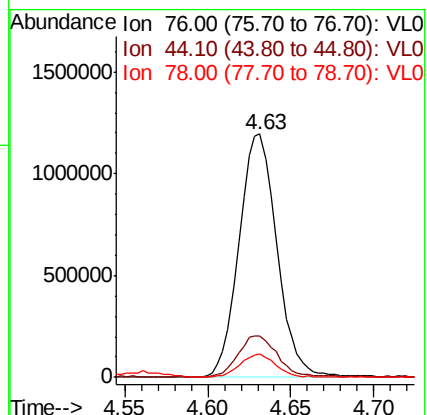
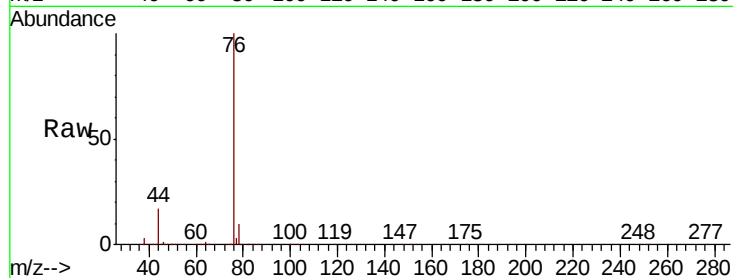
78 9.4 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 9.989 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032778.D

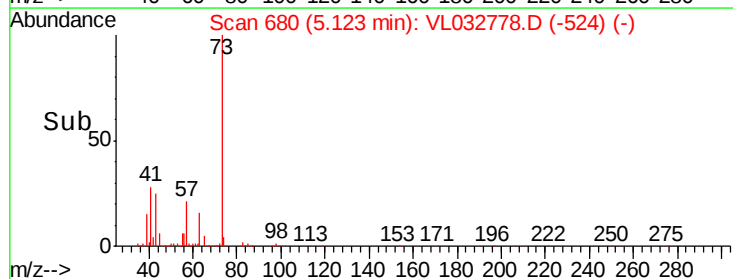
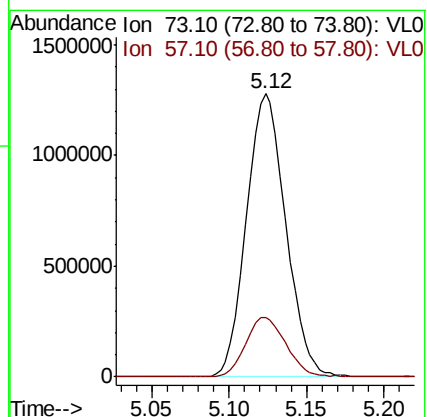
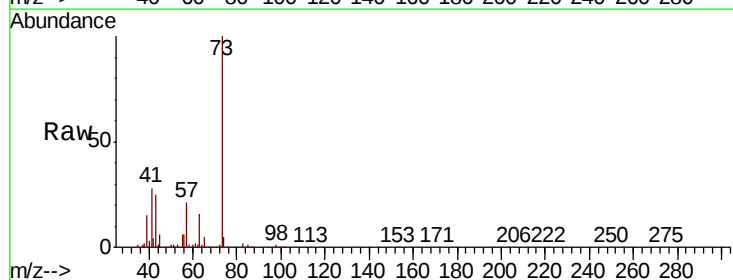
Acq: 20 Nov 2018 14:13

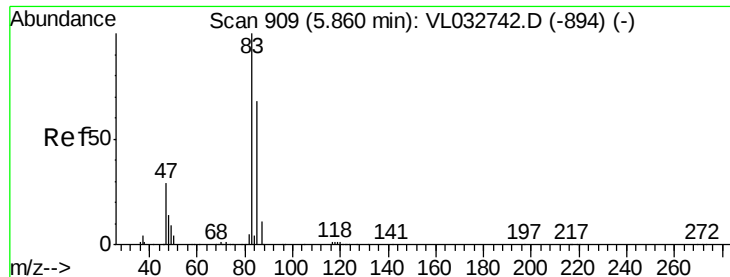
Tgt Ion: 73 Resp: 2262470

Ion Ratio Lower Upper

73 100

57 21.6 17.5 26.3





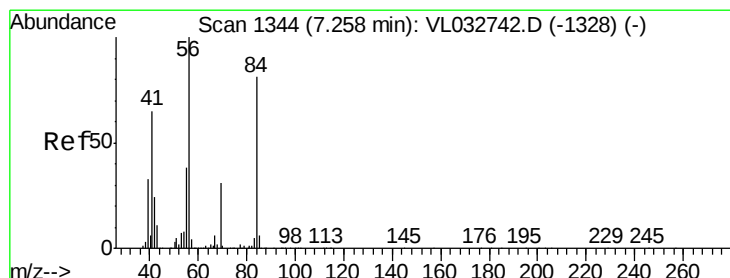
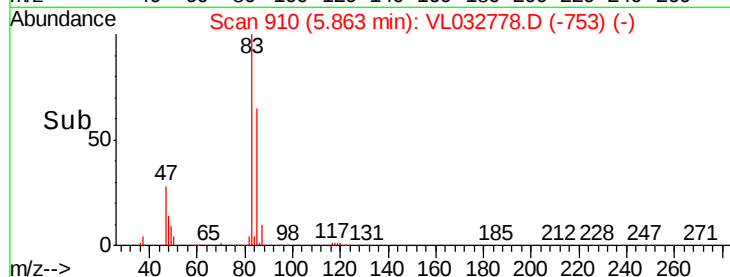
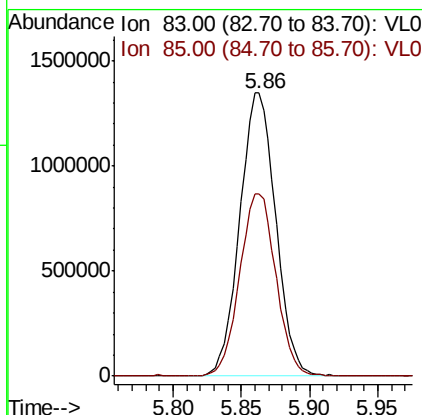
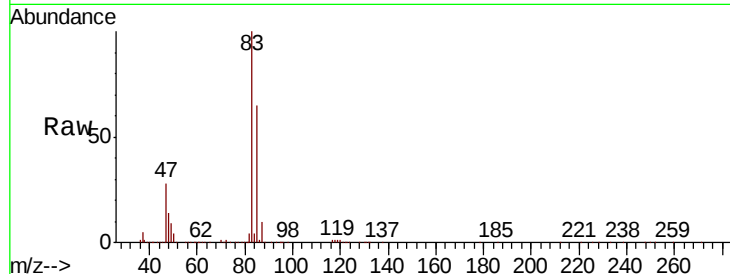
#29
Chloroform
Concen: 9.742 ppbv
RT: 5.86 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion: 83 Resp: 2466103
Ion Ratio Lower Upper
83 100
85 64.5 54.2 81.4

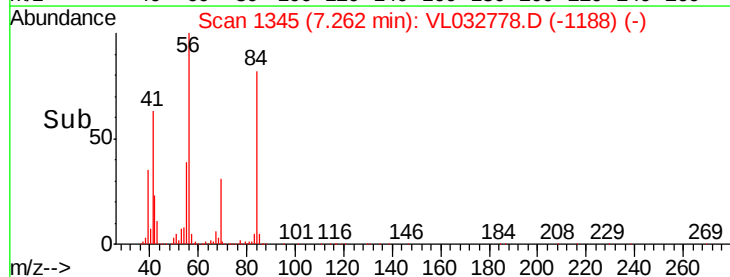
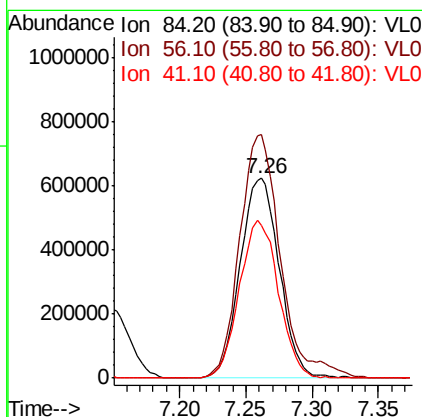
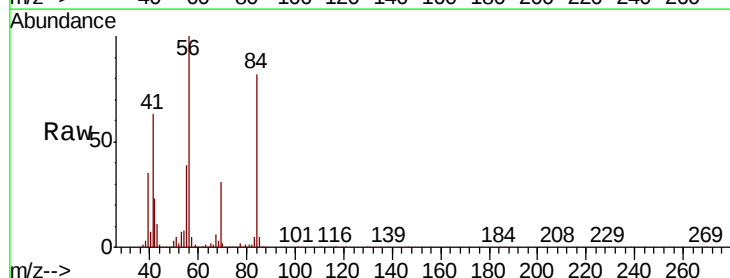
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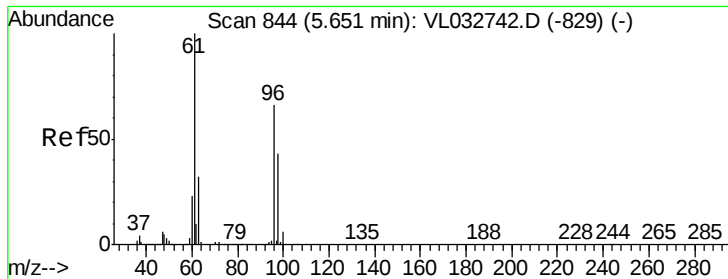
MMDadoda
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#30
Cyclohexane
Concen: 10.261 ppbv
RT: 7.26 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion: 84 Resp: 1274721
Ion Ratio Lower Upper
84 100
56 127.9 105.0 157.4
41 79.2 65.3 97.9





#31

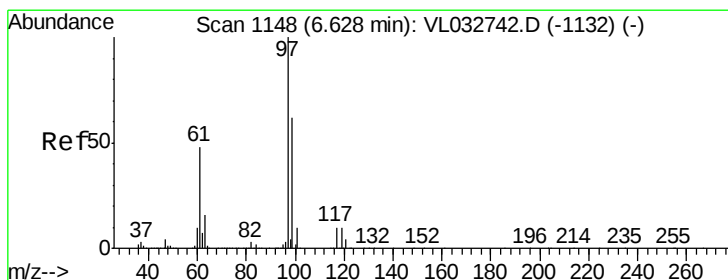
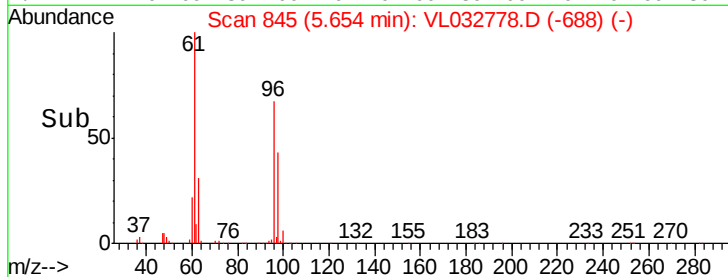
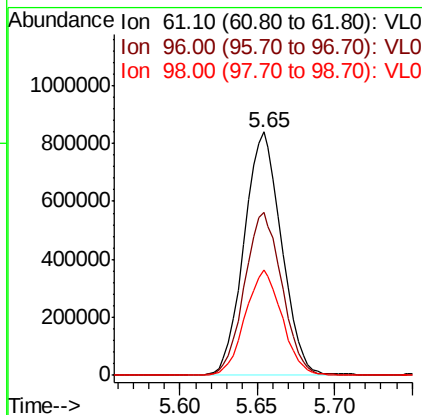
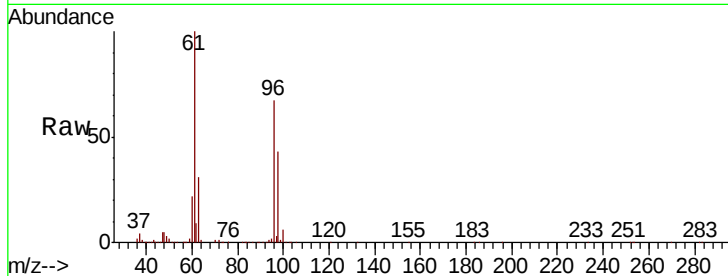
cis-1,2-Dichloroethene
Concen: 9.911 ppbv
RT: 5.65 min Scan# 845
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.6	53.2	79.8
98	43.1	34.4	51.6

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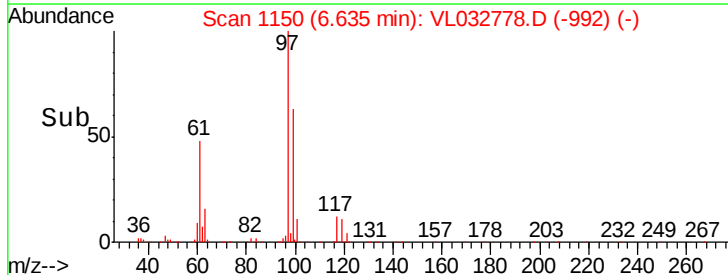
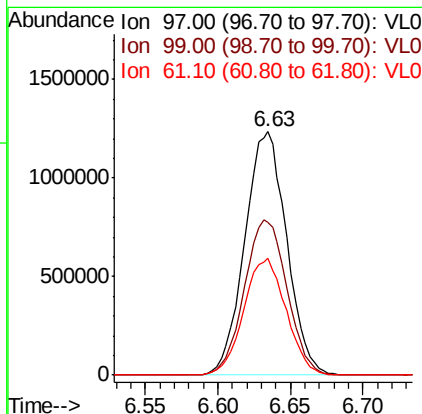
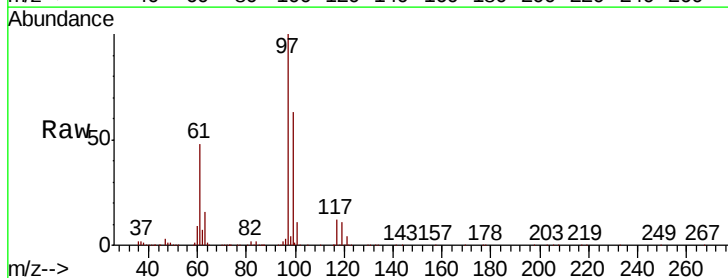
MMDadoda
11/26/2018 9:18:40 AM

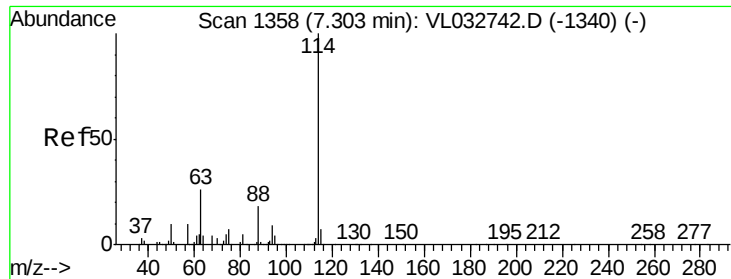


#32

1,1,1-Trichloroethane
Concen: 8.950 ppbv
RT: 6.63 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	48.6	39.7	59.5





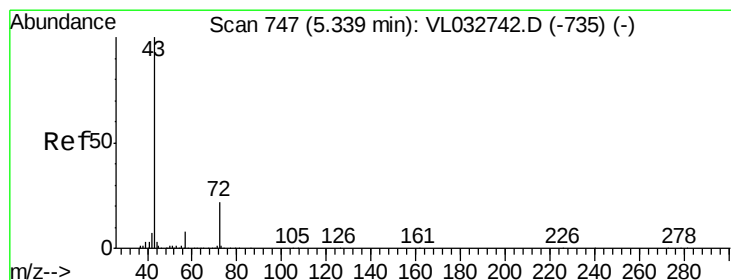
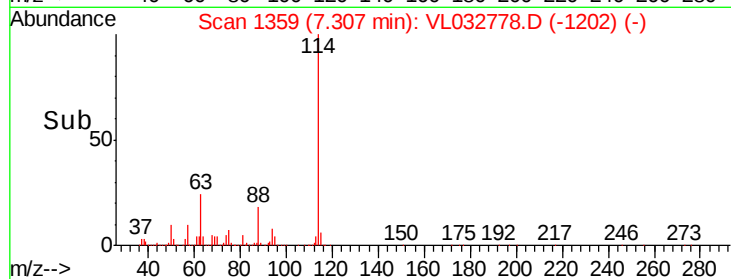
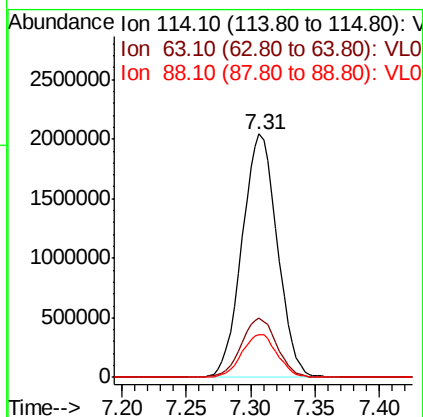
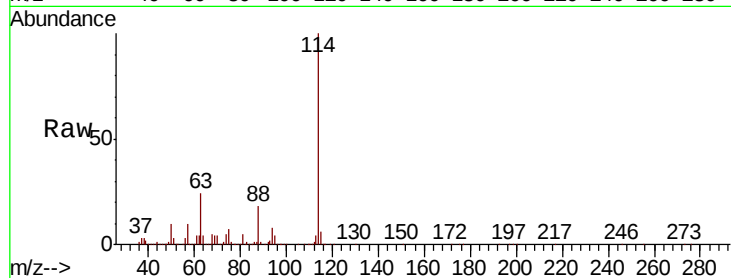
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.9	31.3
88	17.7	14.4	21.6

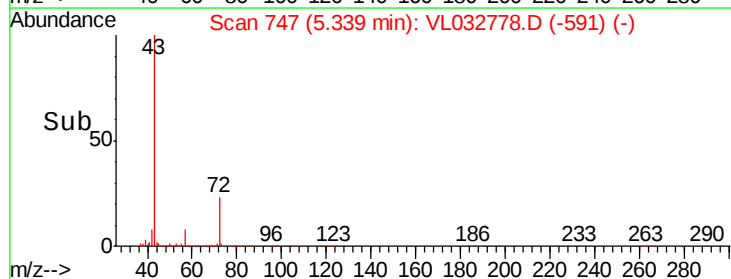
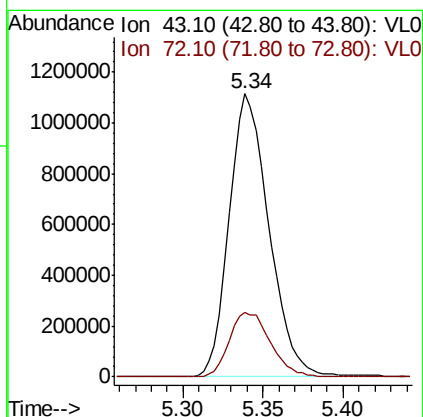
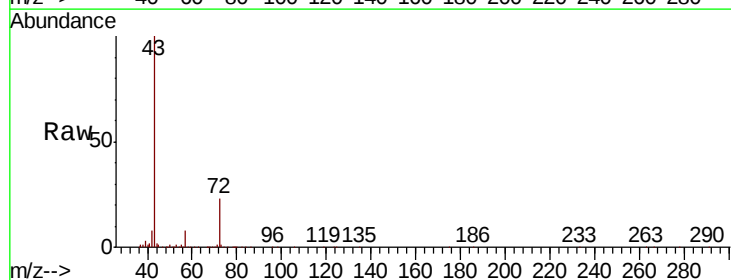
Manual Integrations
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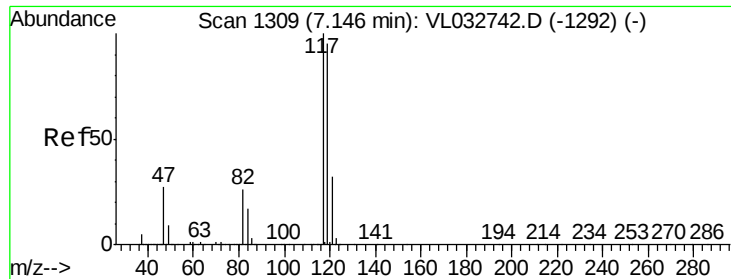
MMDadoda
 11/26/2018 9:18:40 AM



#34
 2-Butanone
 Concen: 9.342 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6





#35

Carbon Tetrachloride

Concen: 8.764 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 117 Resp: 2736123

Ion Ratio Lower Upper

117 100

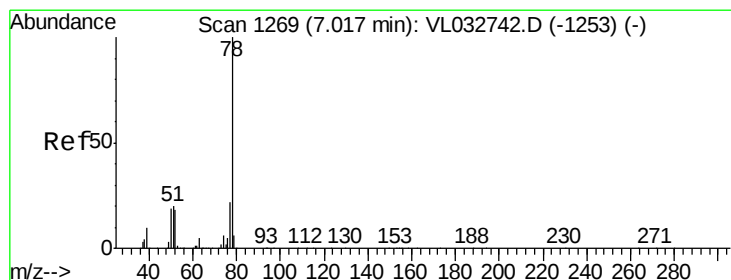
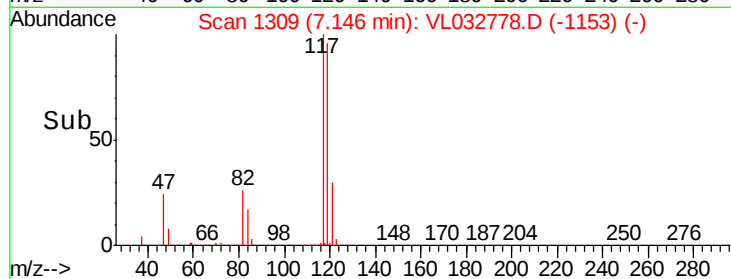
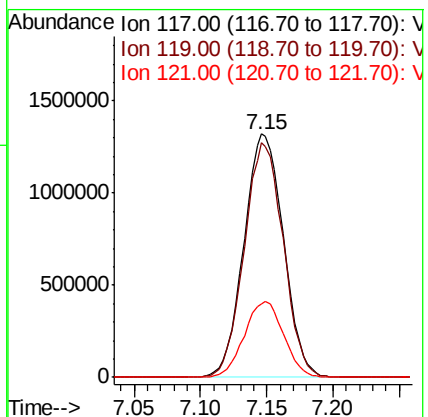
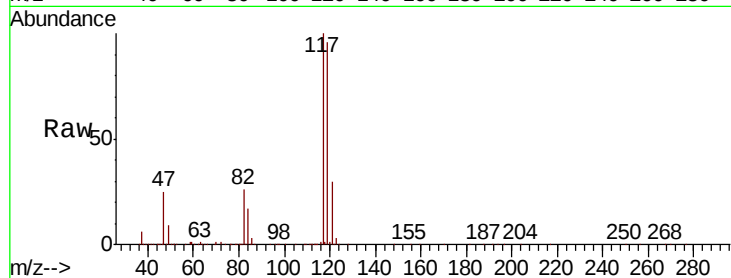
119 96.1 76.1 114.1

121 30.1 25.4 38.0

Manual Integrations
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11/26/2018 9:18:40 AM



#36

Benzene

Concen: 9.643 ppbv

RT: 7.02 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

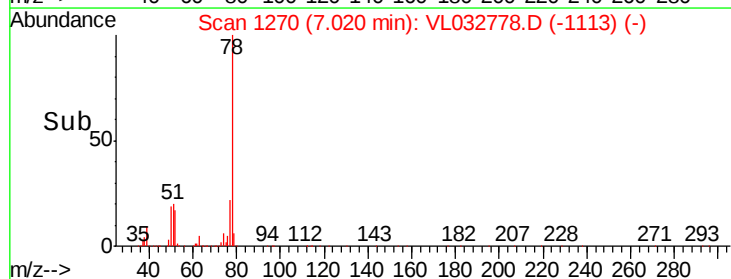
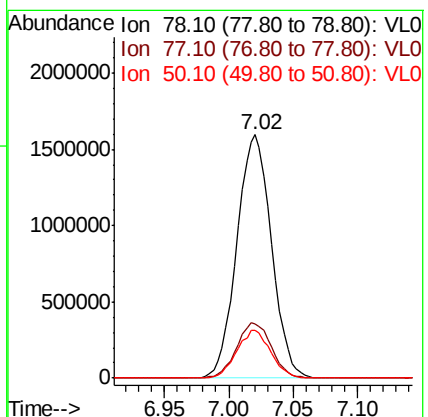
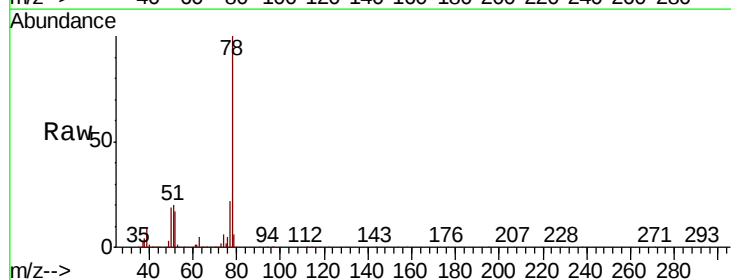
Tgt Ion: 78 Resp: 2982084

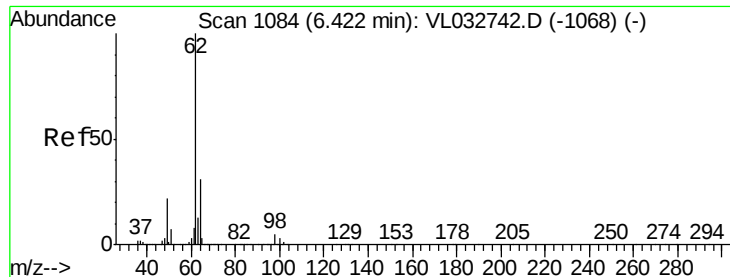
Ion Ratio Lower Upper

78 100

77 22.3 17.8 26.8

50 19.5 15.4 23.0





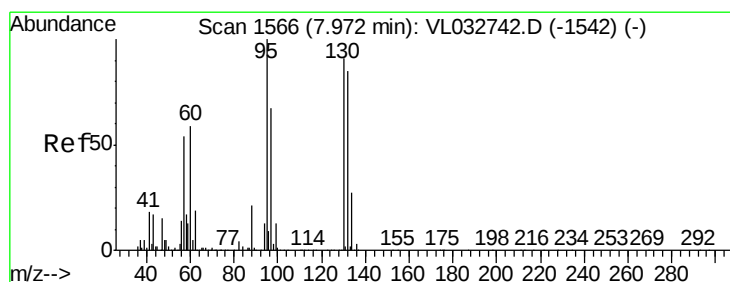
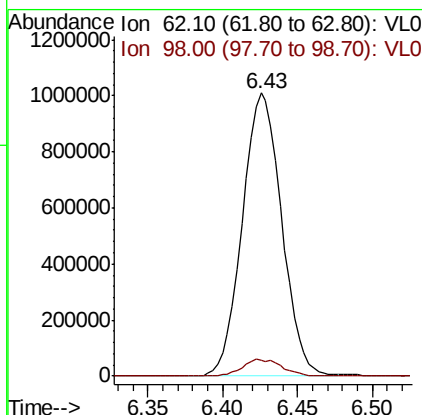
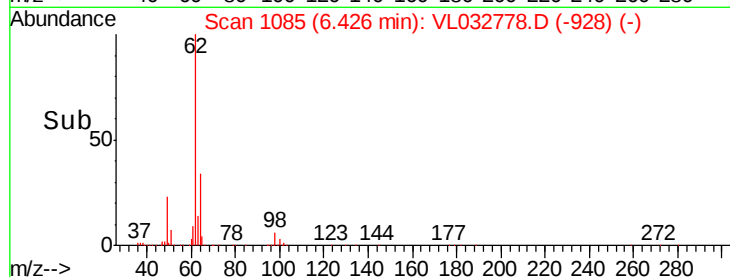
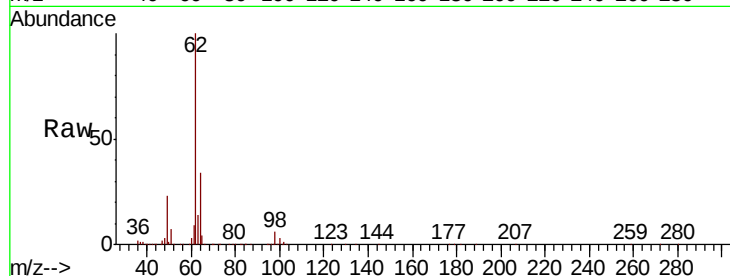
#37
 1,2-Dichloroethane
 Concen: 8.867 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion: 62 Resp: 1845985
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7

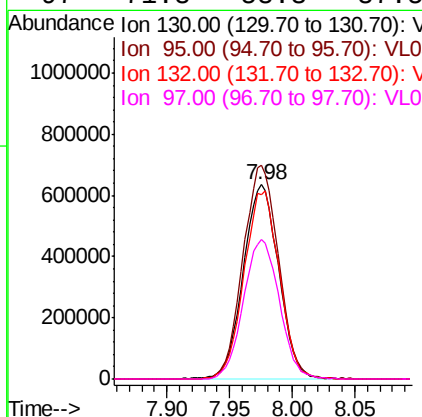
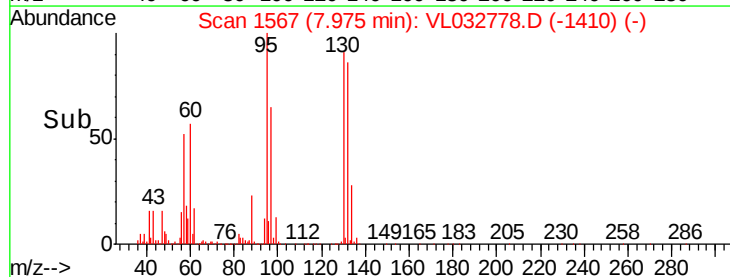
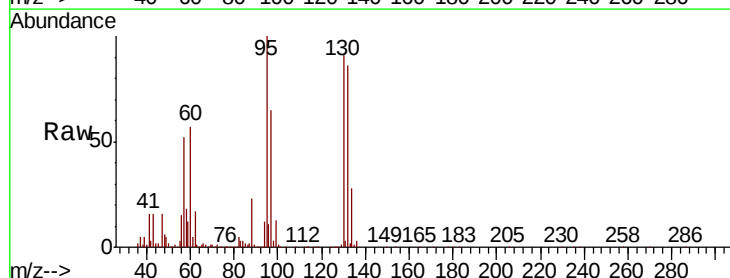
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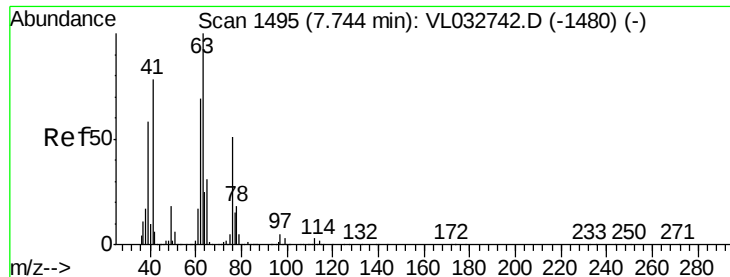
MMDadoda
 11/26/2018 9:18:40 AM



#38
 Trichloroethene
 Concen: 9.980 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion: 130 Resp: 1249068
 Ion Ratio Lower Upper
 130 100
 95 109.9 87.7 131.5
 132 94.9 74.6 111.8
 97 71.8 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.399 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

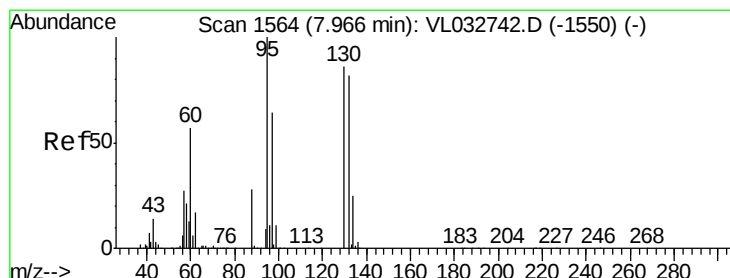
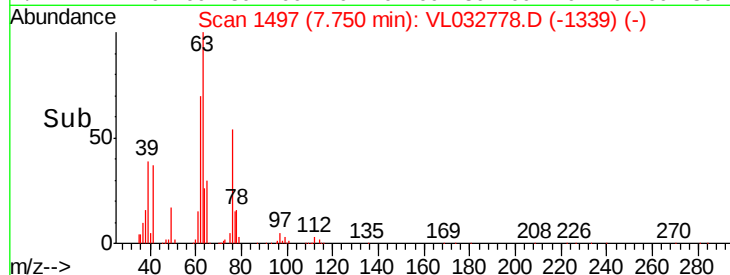
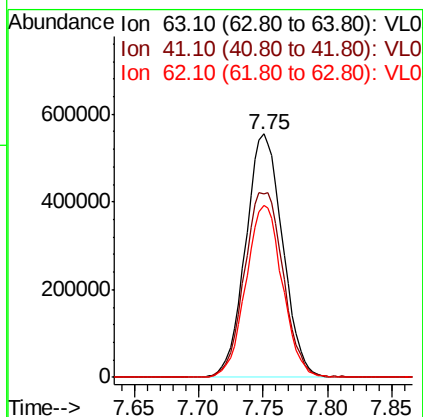
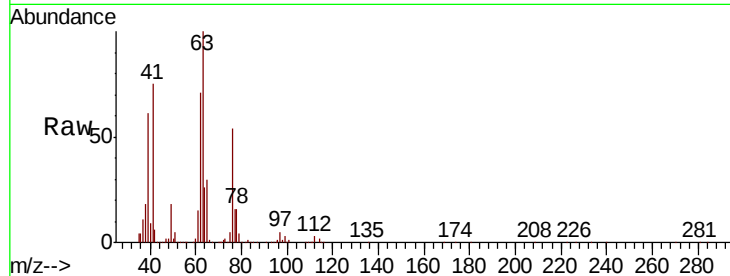
ClientSampleId :

VL1120ABS01

Tot Ion:	63	Resp:	1107506
Ion	Ratio	Lower	Upper
63	100		
41	75.3	62.0	93.0
62	70.5	55.4	83.2

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#40

1,4-Dioxane

Concen: 9.917 ppbv

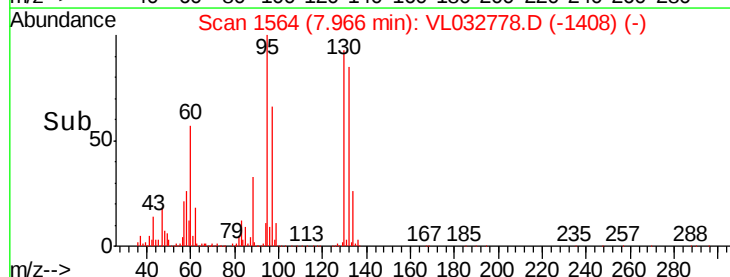
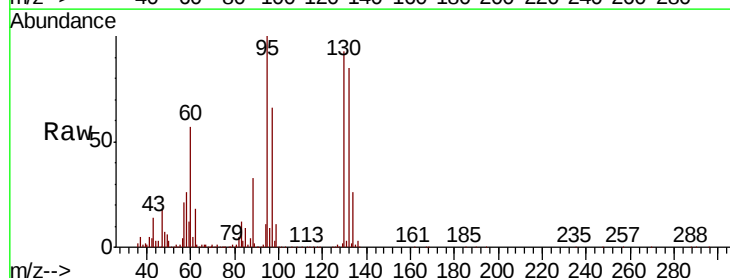
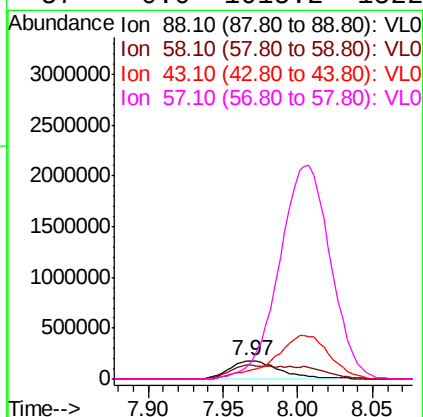
RT: 7.97 min Scan# 1564

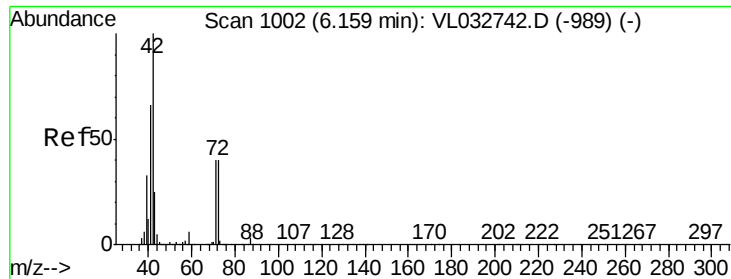
Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Tgt Ion:	88	Resp:	417373
Ion	Ratio	Lower	Upper
88	100		
58	126.8	105.3	157.9
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#





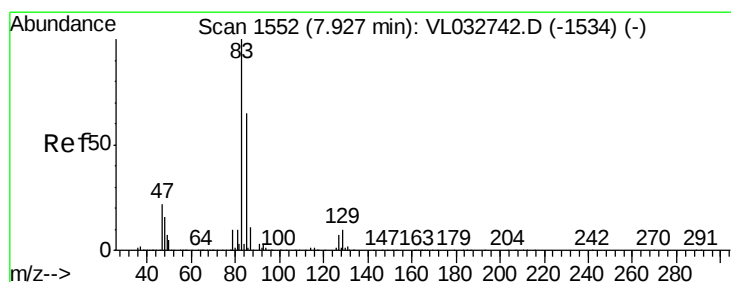
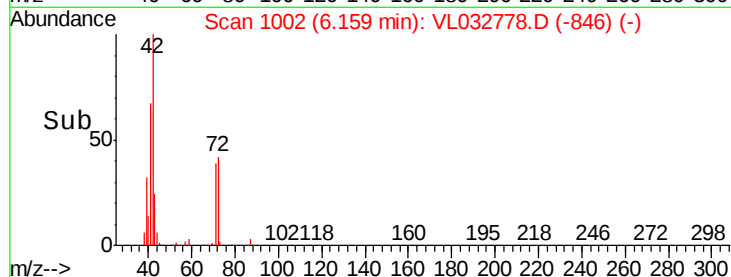
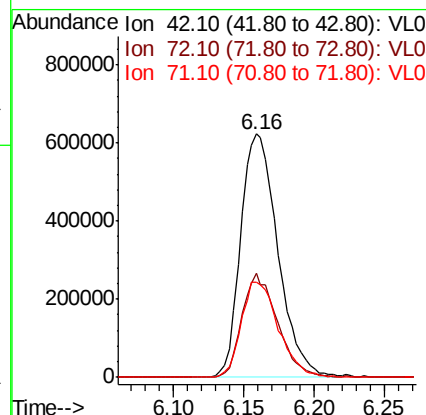
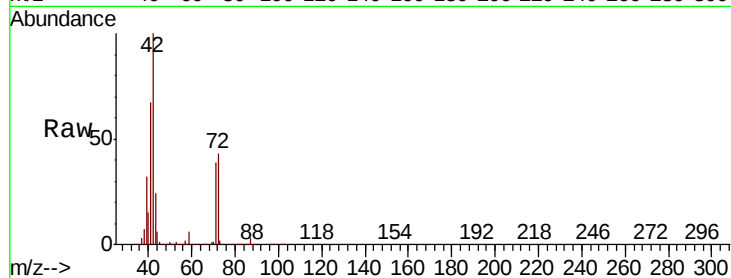
#41
Tetrahydrofuran
Concen: 9.976 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.4	48.6
71	39.5	31.6	47.4

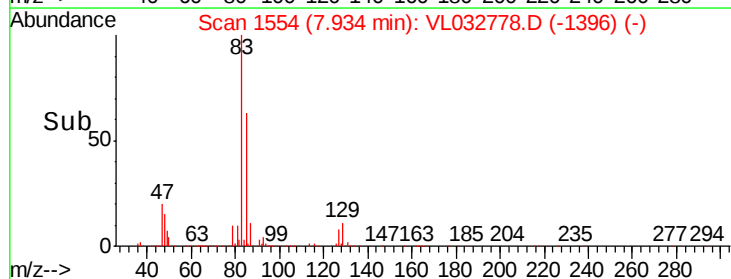
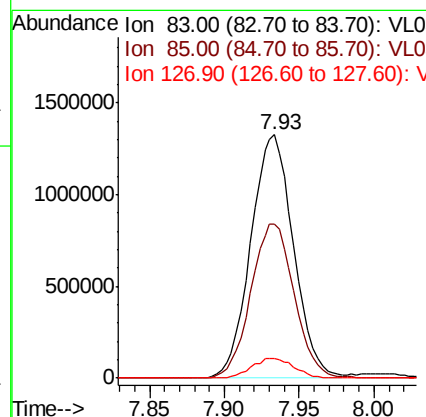
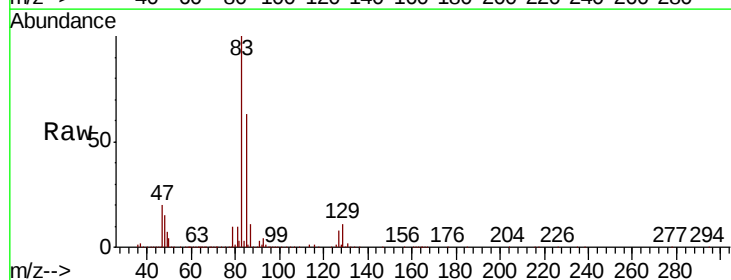
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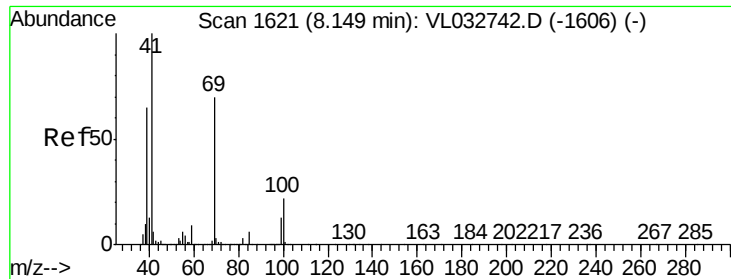
MMDadoda
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#42
Bromodichloromethane
Concen: 9.299 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8
127	8.0	5.9	8.9





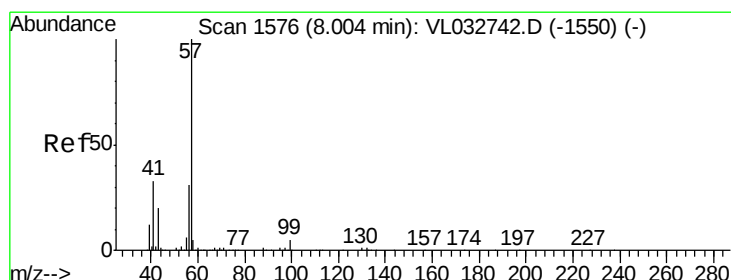
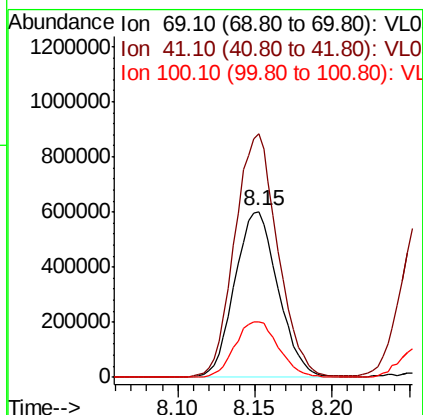
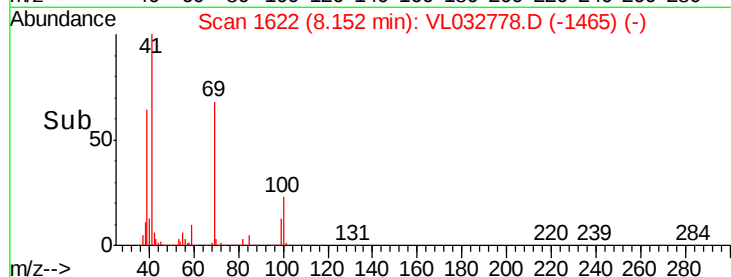
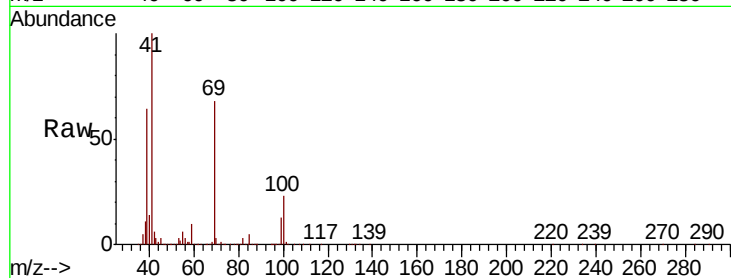
#43
Methvl Methacrilate
Concen: 10.091 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion: 69 Resp: 1165050
Ion Ratio Lower Upper
69 100
41 146.8 115.0 172.4
100 34.0 25.4 38.0

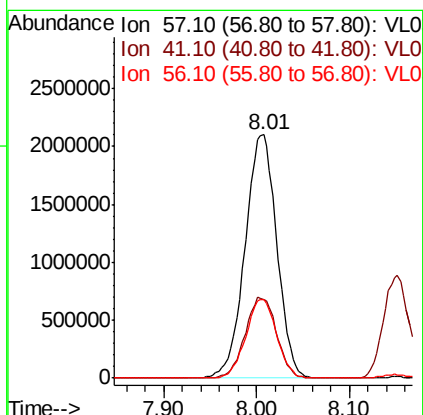
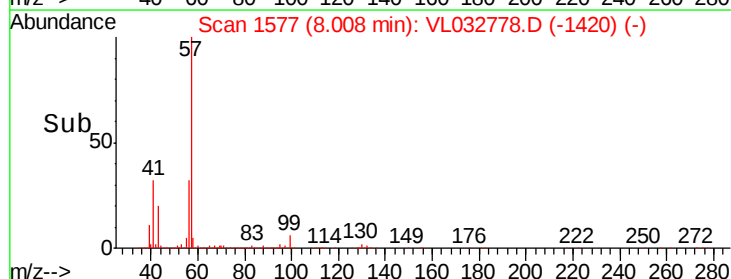
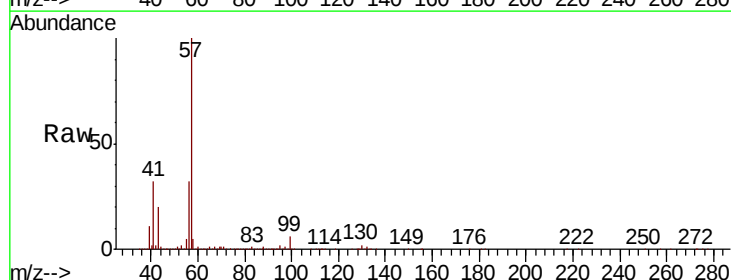
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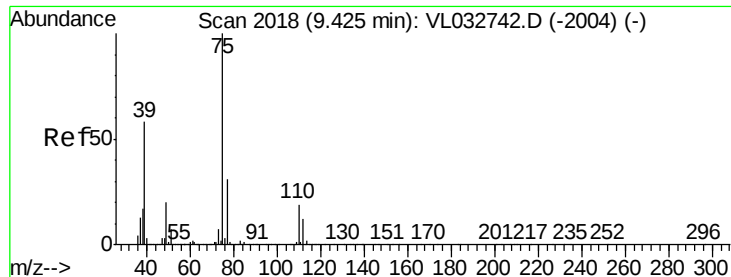
MMDadoda
11/26/2018 9:18:40 AM



#44
2,2,4-Trimethylpentane
Concen: 9.667 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion: 57 Resp: 4995869
Ion Ratio Lower Upper
57 100
41 32.9 26.6 39.8
56 31.2 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 11.052 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 75 Resp: 1712120

Ion Ratio Lower Upper

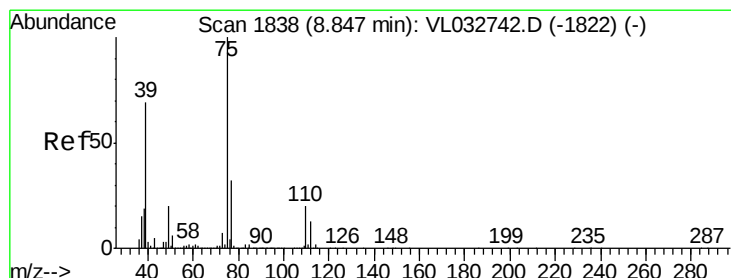
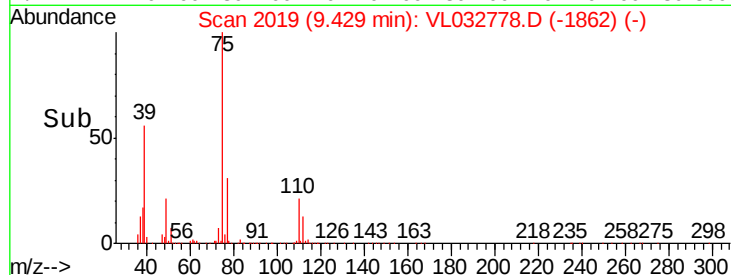
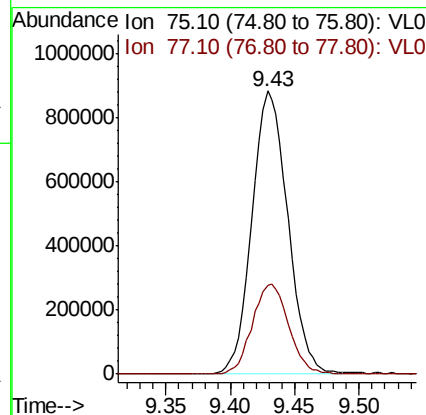
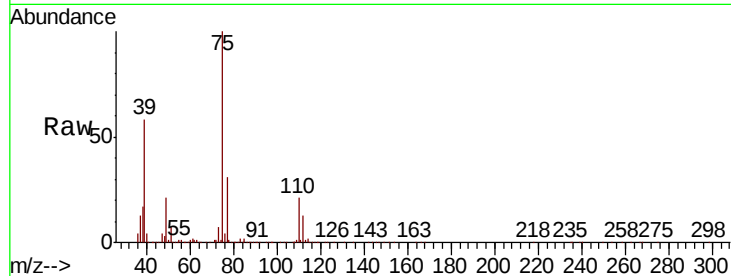
75 100

77 31.2 24.6 36.8

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#46

cis-1,3-Dichloropropene

Concen: 10.616 ppbv

RT: 8.85 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

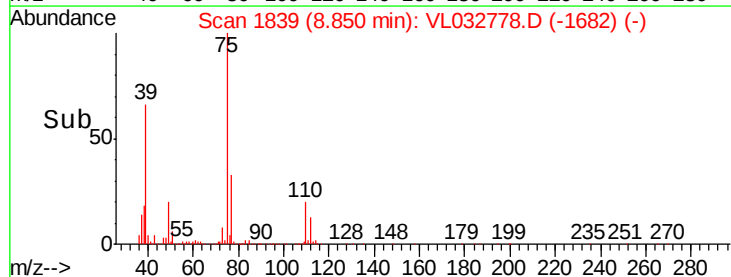
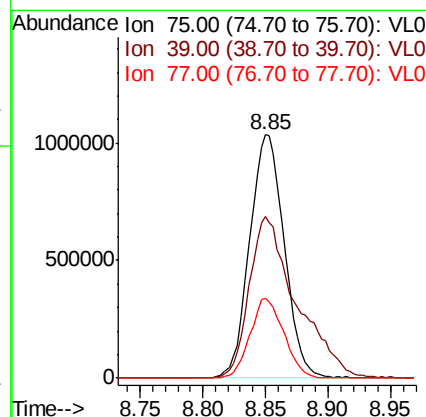
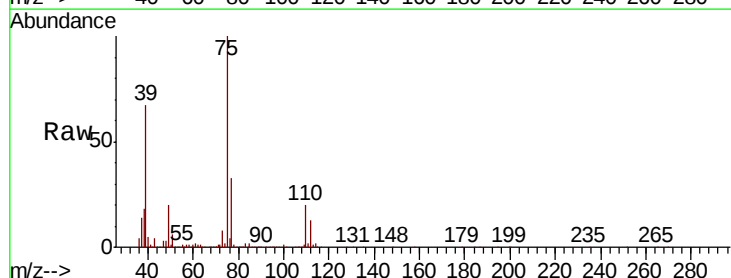
Tgt Ion: 75 Resp: 1987035

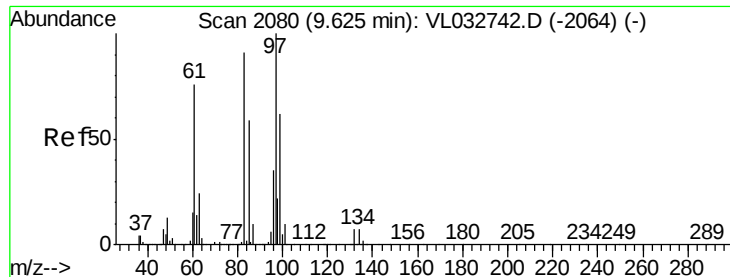
Ion Ratio Lower Upper

75 100

39 66.5 55.2 82.8

77 32.9 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 9.539 ppbv

RT: 9.63 min Scan# 2081

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 97 Resp: 1328987

Ion Ratio Lower Upper

97 100

83 87.1 73.0 109.4

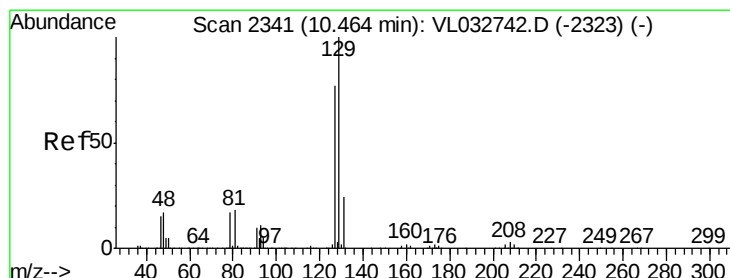
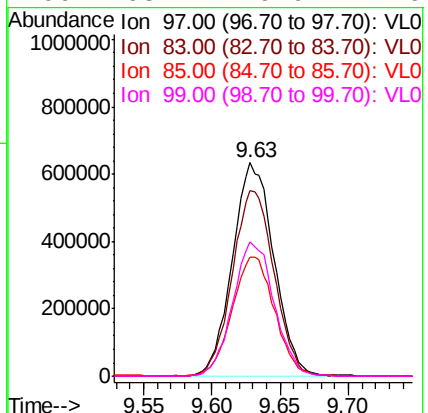
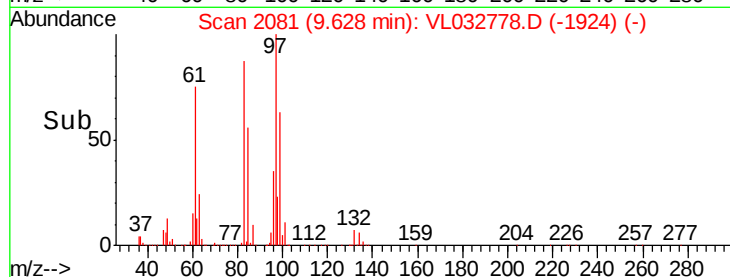
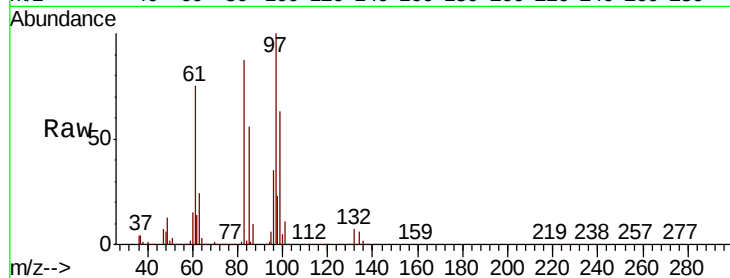
85 55.5 47.0 70.4

99 63.2 49.9 74.9

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#48

Dibromochloromethane

Concen: 9.995 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VL032778.D

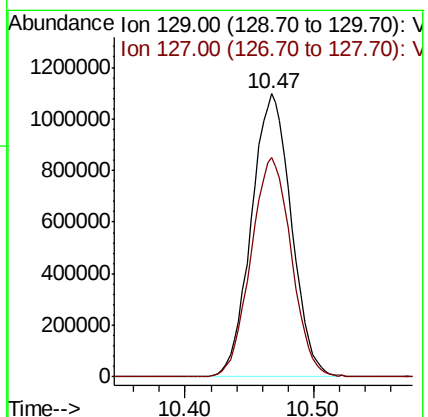
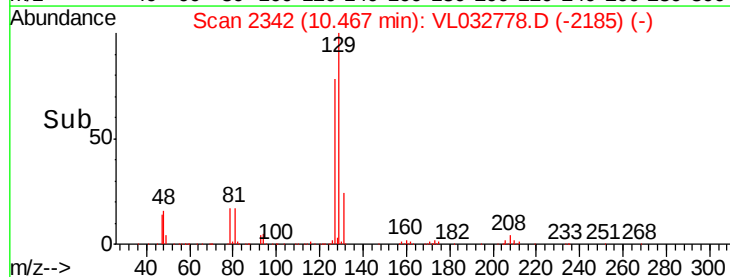
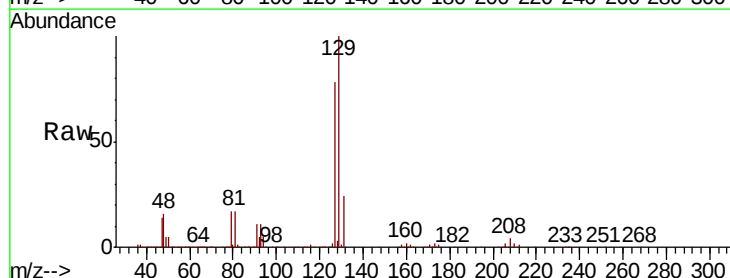
Acq: 20 Nov 2018 14:13

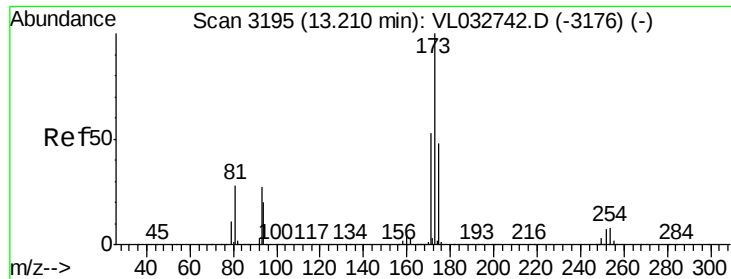
Tgt Ion: 129 Resp: 2366841

Ion Ratio Lower Upper

129 100

127 78.8 39.0 117.0





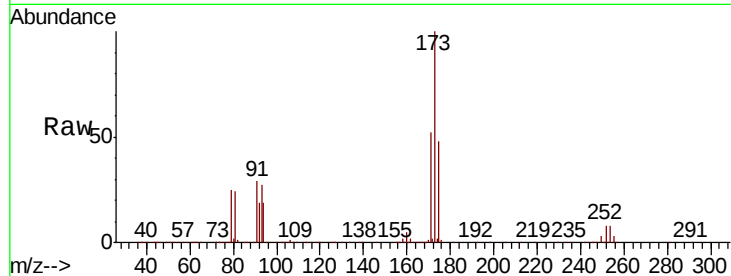
#49
Bromoform
Concen: 10.571 ppbv
RT: 13.22 min Scan# 3198
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

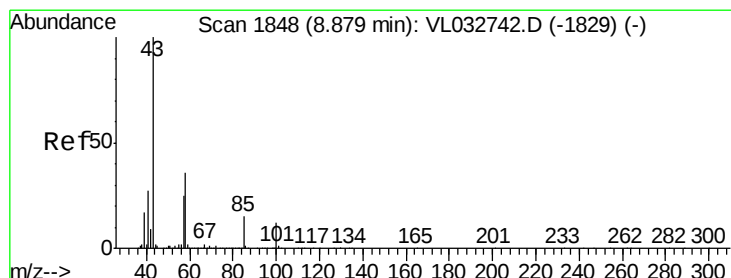
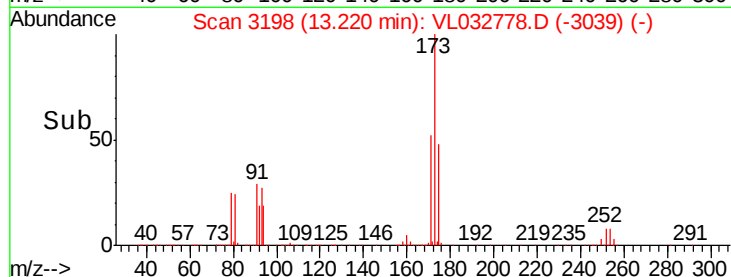
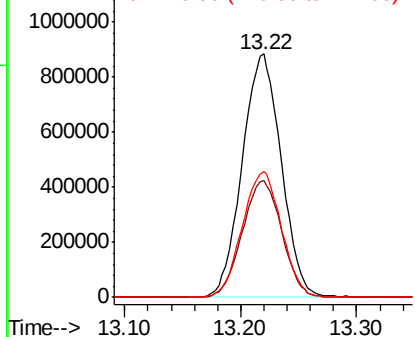
Tot Ion:173 Resp: 2067287
Ion Ratio Lower Upper
173 100
175 48.7 39.4 59.0
171 52.1 42.0 63.0

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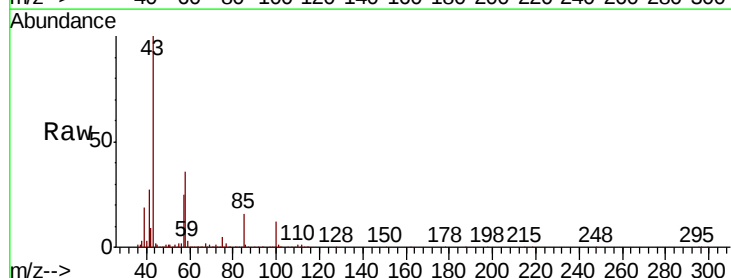


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

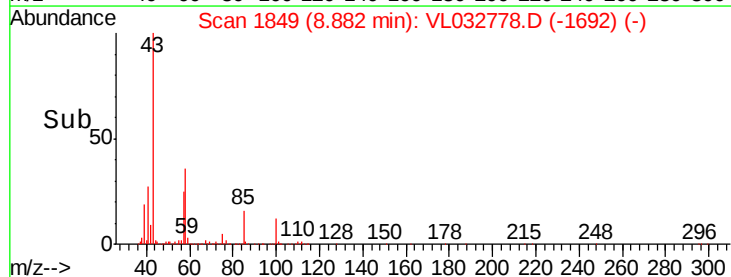
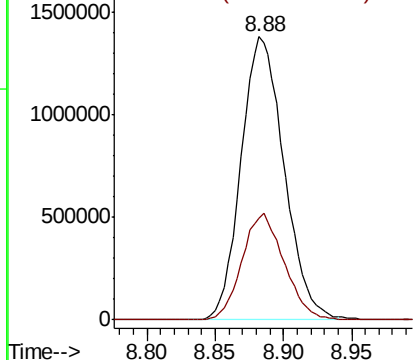


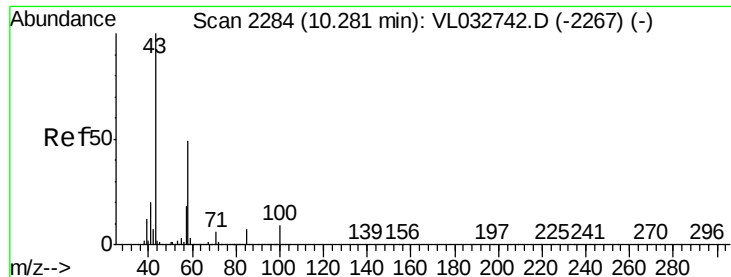
#50
4-Methyl-2-Pentanone
Concen: 9.592 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion: 43 Resp: 3017738
Ion Ratio Lower Upper
43 100
58 36.9 28.8 43.2



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





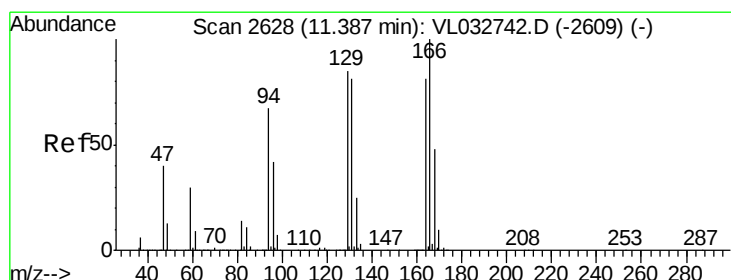
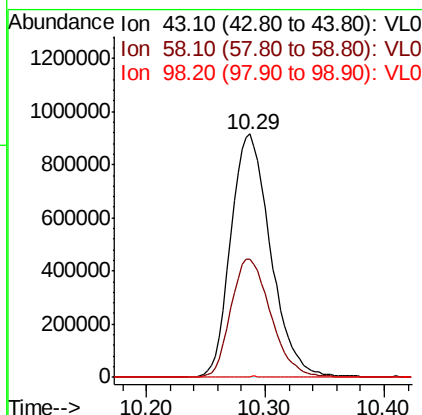
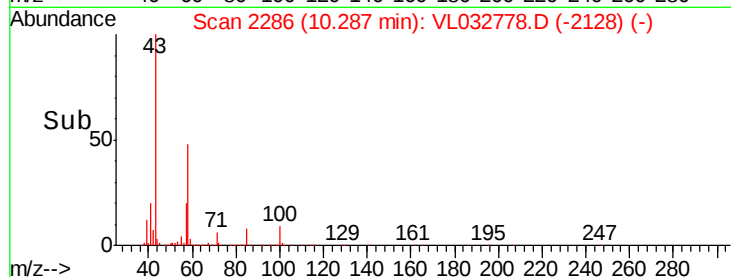
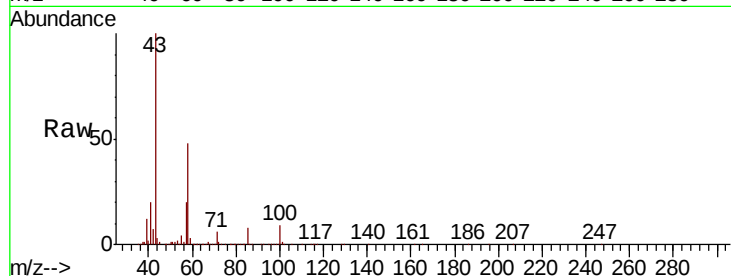
#51
2-Hexanone
Concen: 10.452 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.9	58.3
98	0.5	0.2	0.4

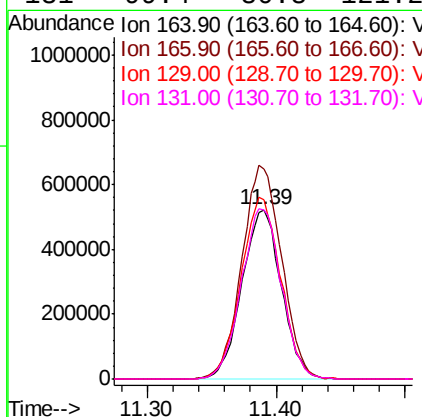
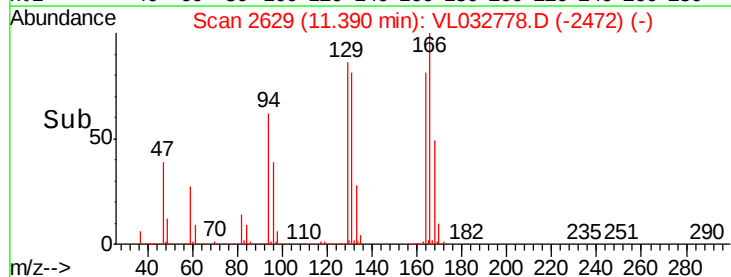
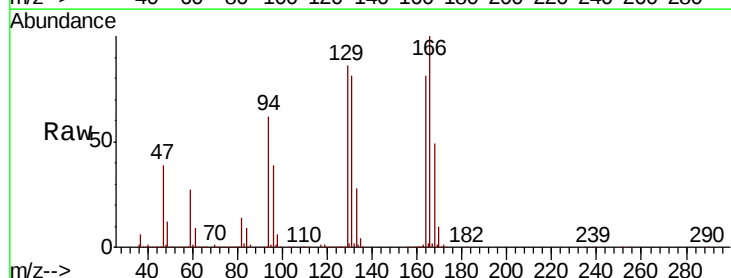
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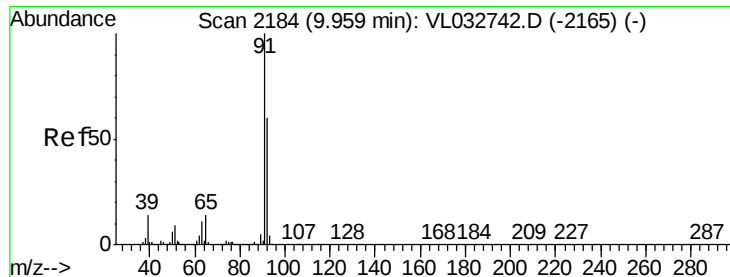
MMDadoda
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#52
Tetrachloroethene
Concen: 10.307 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	99.3	148.9
129	106.0	83.9	125.9
131	99.4	80.8	121.2





#53

Toluene

Concen: 10.998 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 91 Resp: 3548252

Ion Ratio Lower Upper

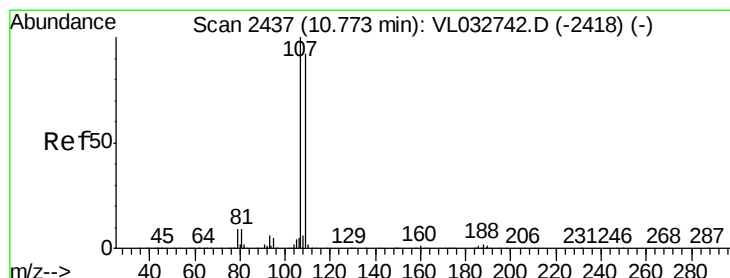
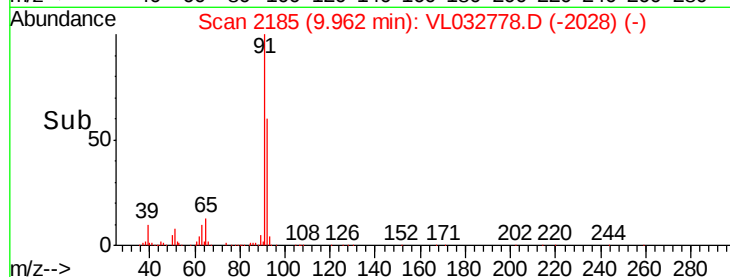
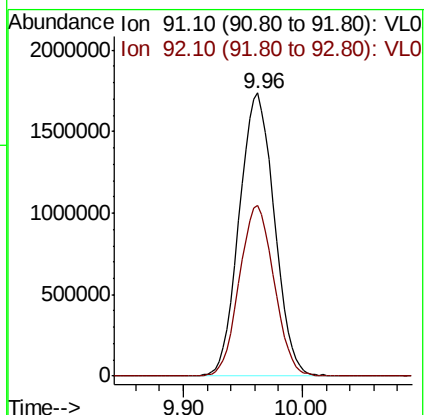
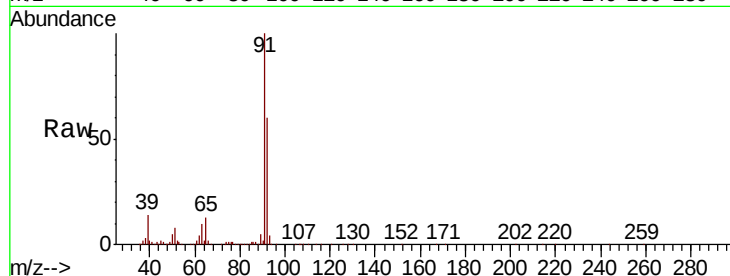
91 100

92 59.8 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 10.029 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032778.D

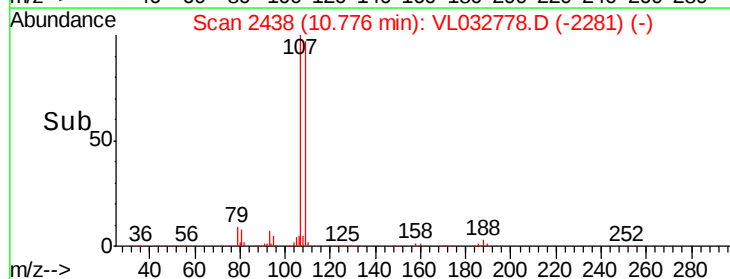
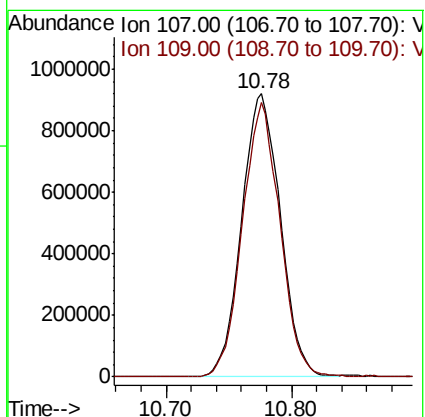
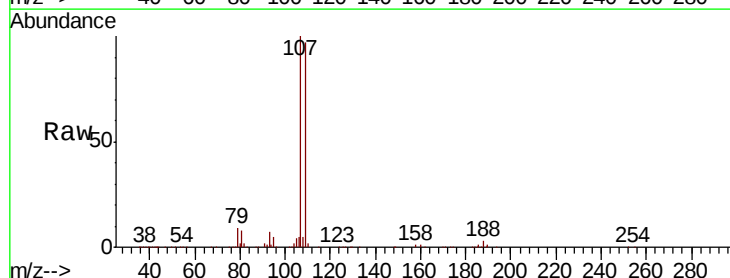
Acq: 20 Nov 2018 14:13

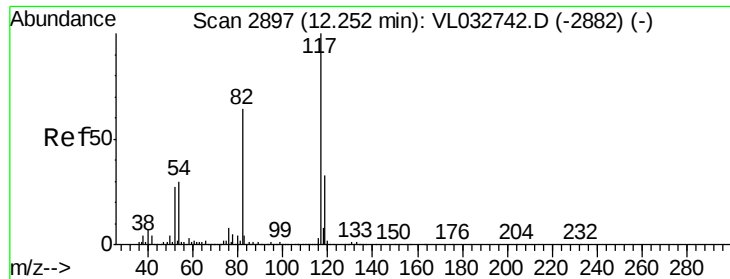
Tgt Ion: 107 Resp: 1975223

Ion Ratio Lower Upper

107 100

109 96.9 73.8 110.8





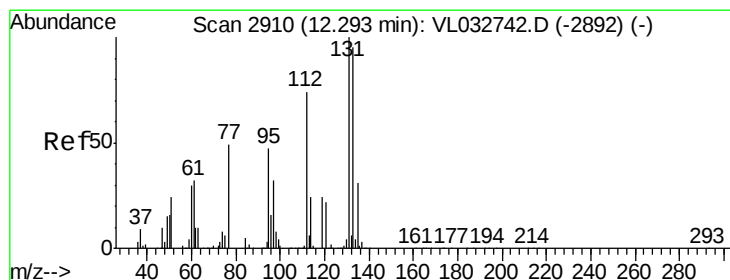
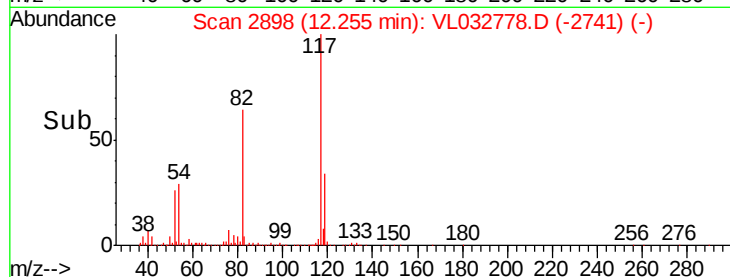
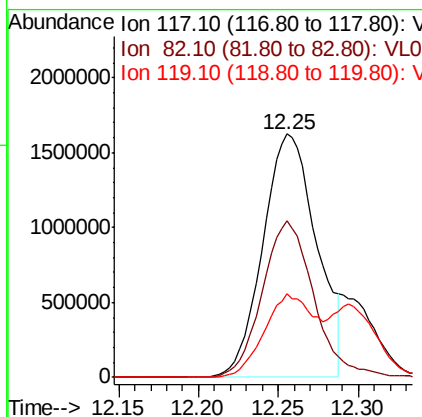
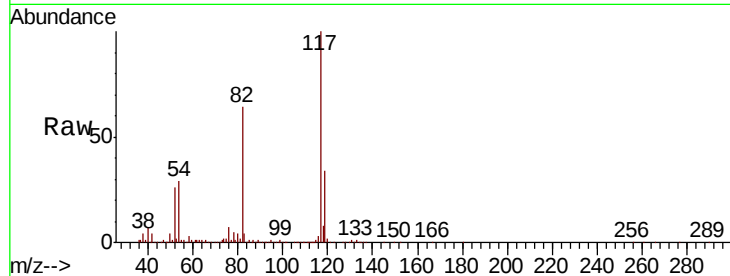
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion:117 Resp: 3794393
Ion Ratio Lower Upper
117 100
82 61.8 51.0 76.6
119 32.1 28.0 42.0

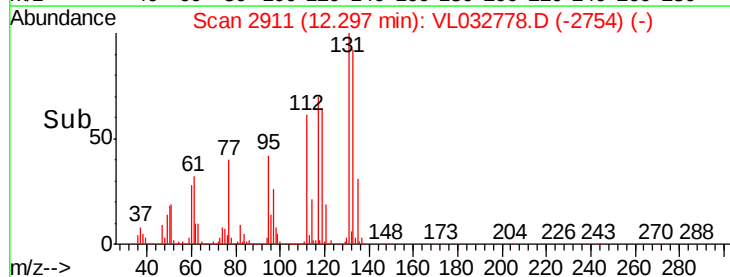
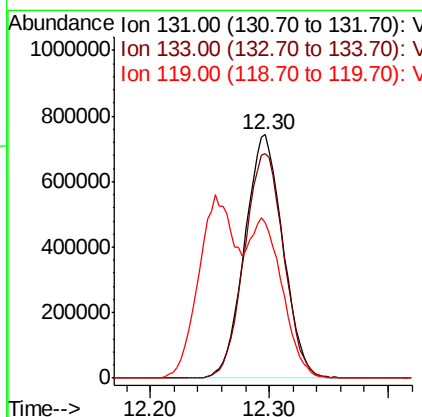
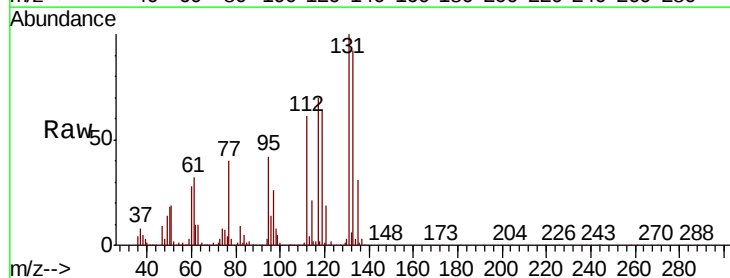
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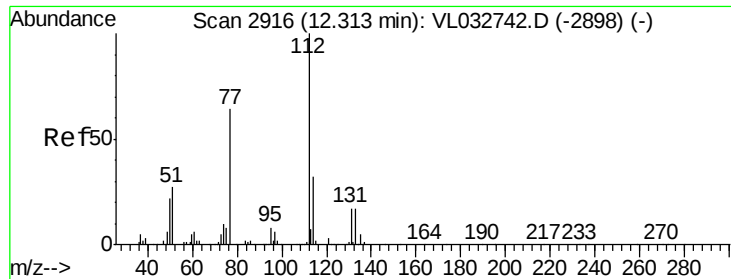
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion:131 Resp: 1653052
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.6
119 58.9 45.2 67.8





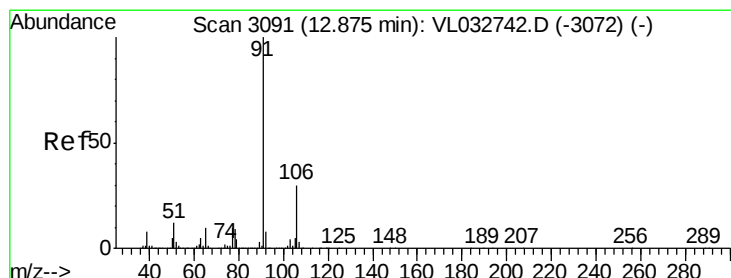
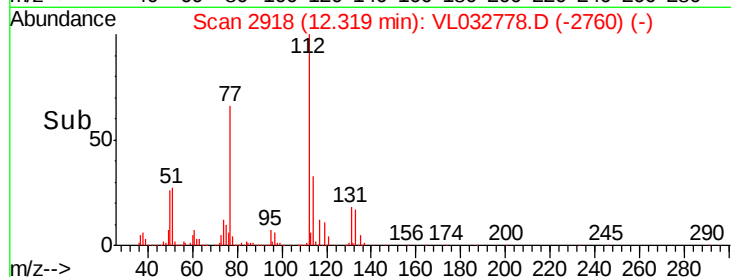
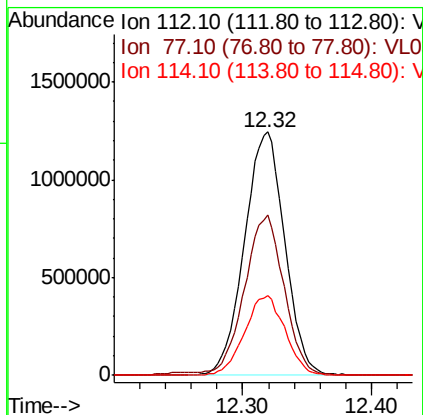
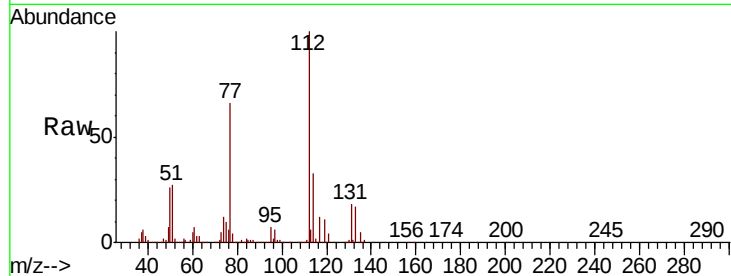
#57
Chlorobenzene
Concen: 9.305 ppbv
RT: 12.32 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	65.6	52.3	78.5
114	32.7	28.4	34.8

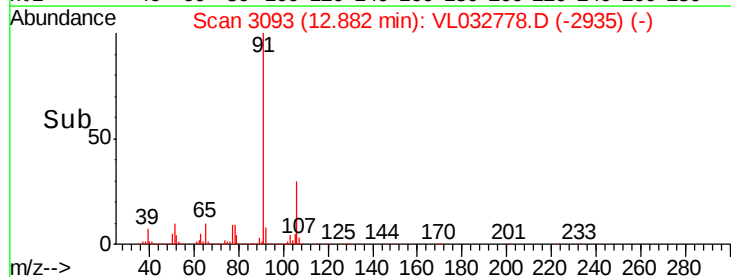
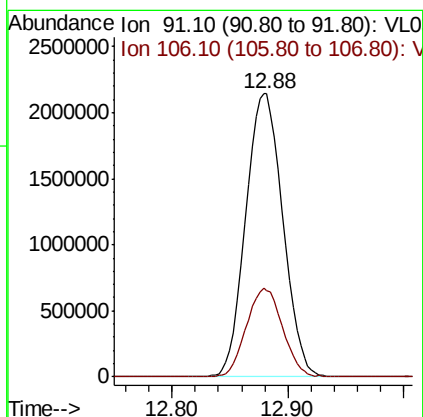
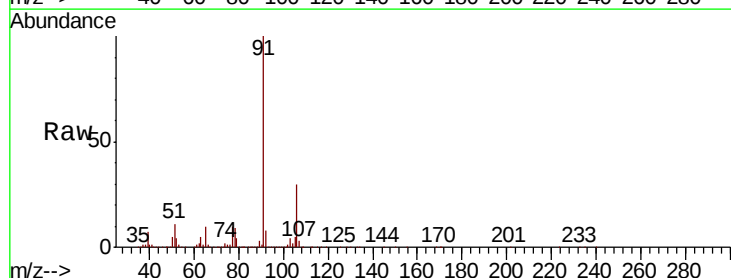
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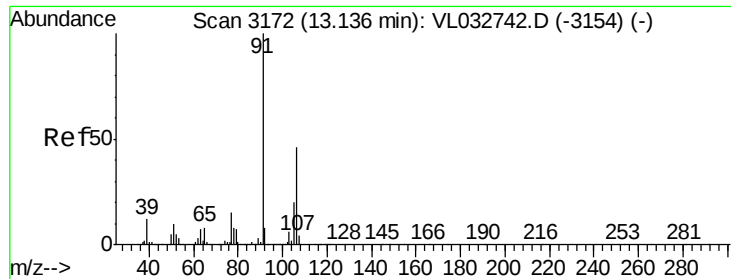
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#58
Ethyl Benzene
Concen: 10.447 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.6	35.4





#59

m/p-Xylene

Concen: 19.815 ppbv m

RT: 13.14 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 91 Resp: 8055021

Ion Ratio Lower Upper

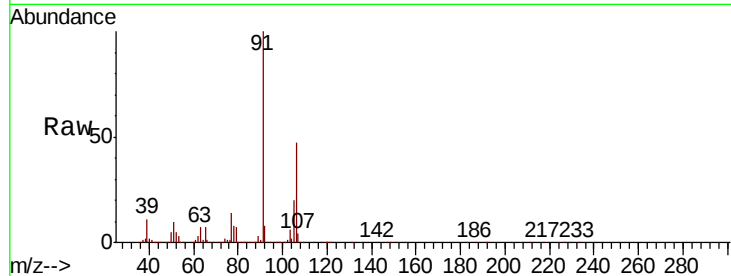
91 100

106 0.0 36.1 54.1#

Manual Integrations
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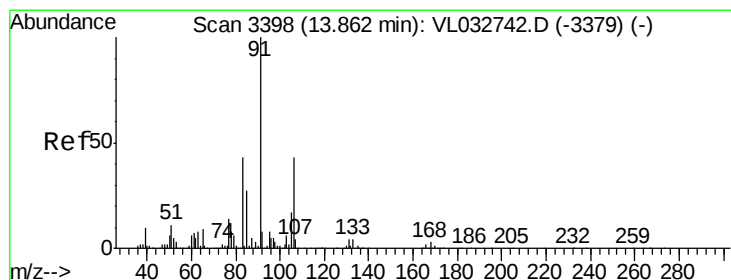
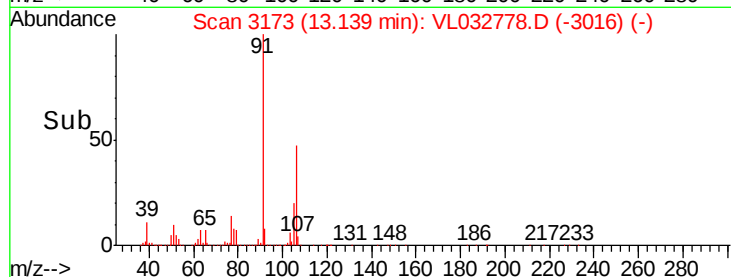
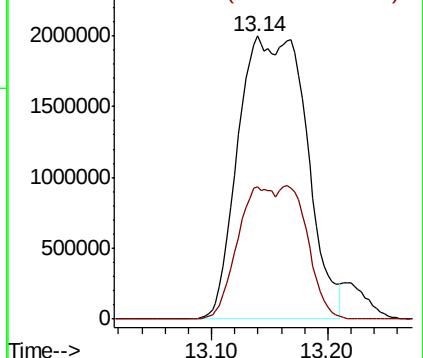
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.483 ppbv

RT: 13.87 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VL032778.D

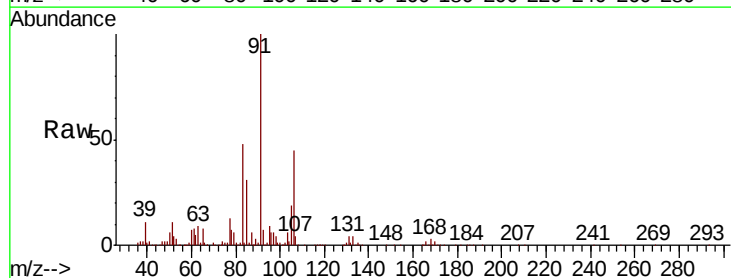
Acq: 20 Nov 2018 14:13

Tgt Ion: 91 Resp: 3875983

Ion Ratio Lower Upper

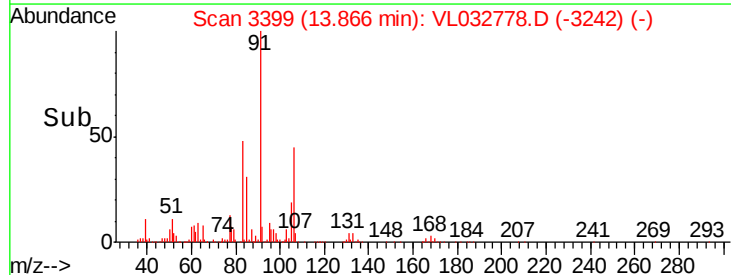
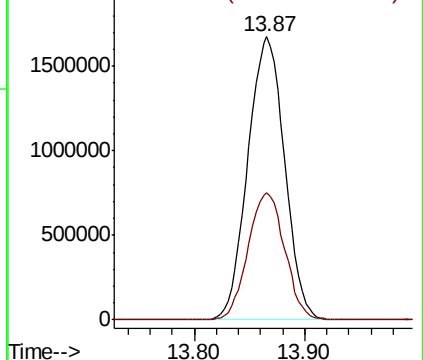
91 100

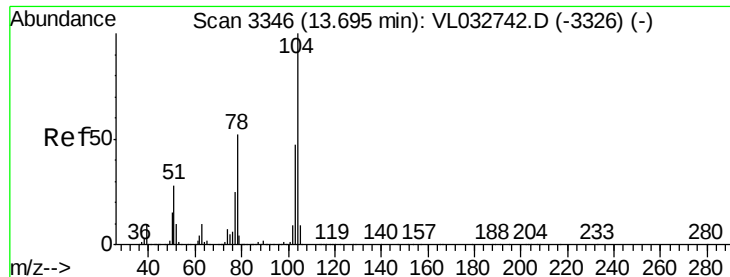
106 44.7 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





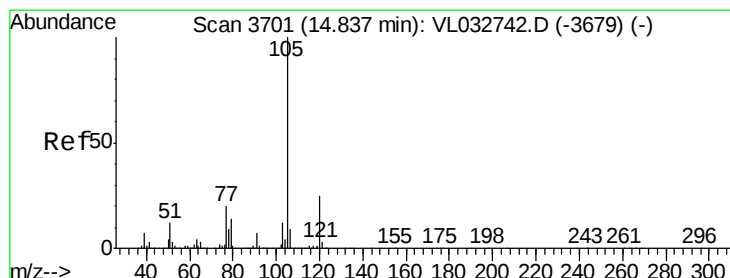
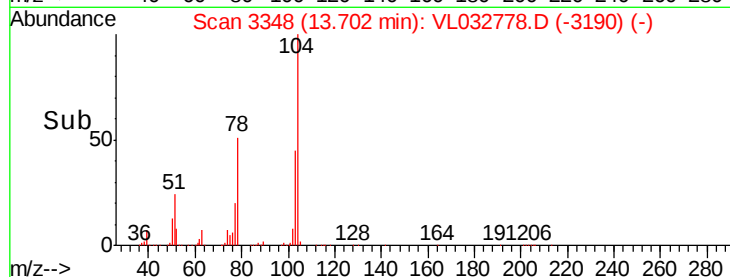
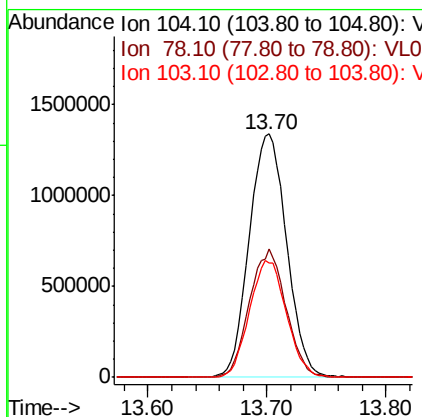
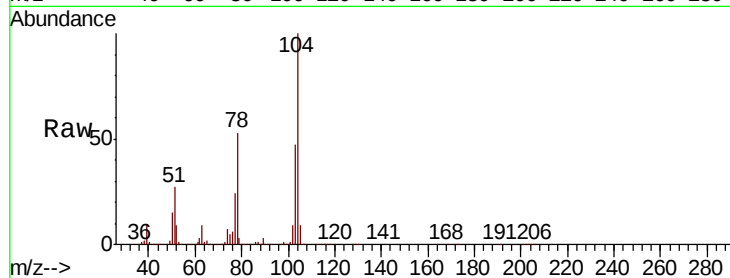
#61
Stvrene
Concen: 10.951 ppbv
RT: 13.70 min Scan# 3348
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.2	63.4
103	47.5	38.2	57.2

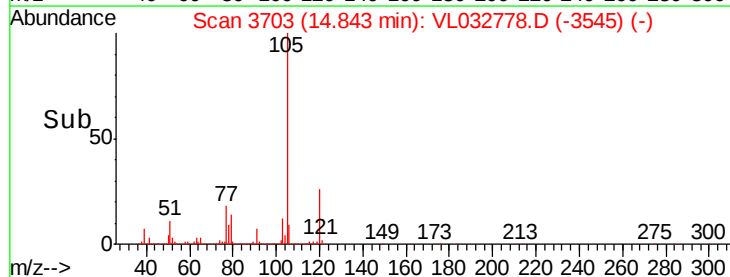
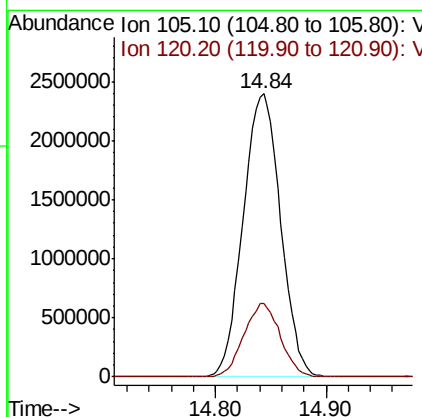
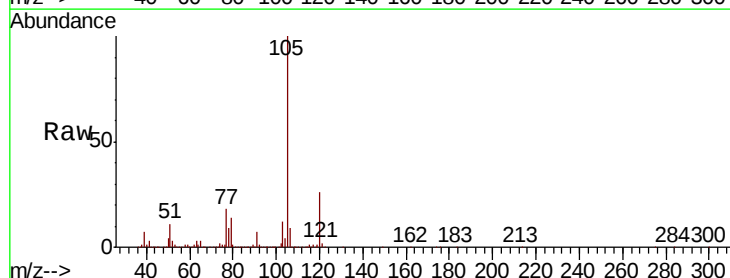
Manual Integrations
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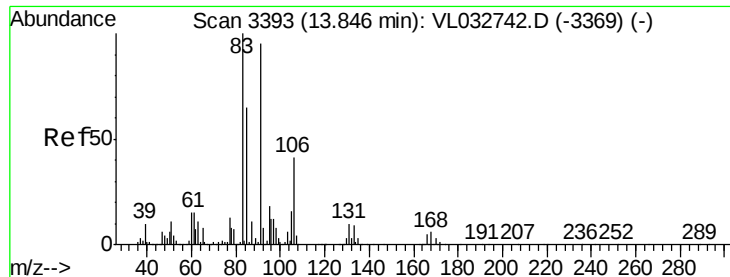
MMDadoda
11/26/2018 9:18:40 AM



#62
Isopropylbenzene
Concen: 10.182 ppbv
RT: 14.84 min Scan# 3703
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.306 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 83 Resp: 2646575

Ion Ratio Lower Upper

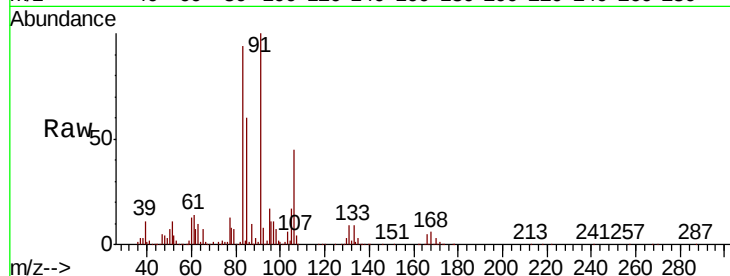
83 100

131 10.1 4.7 14.1

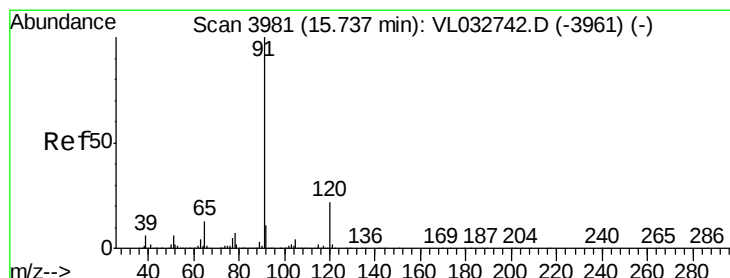
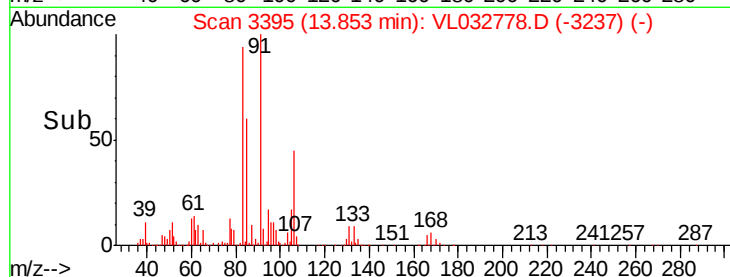
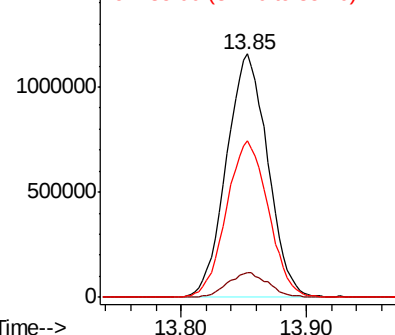
85 65.7 32.5 97.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.825 ppbv

RT: 15.74 min Scan# 3981

Delta R.T. 0.00 min

Lab File: VL032778.D

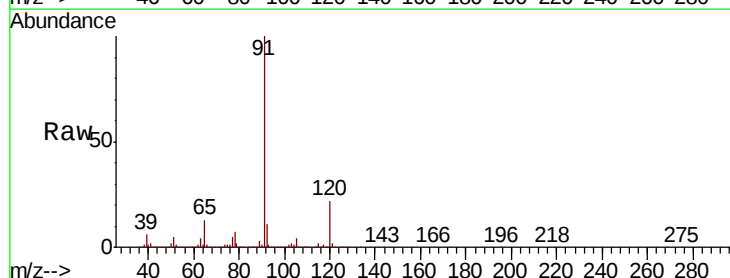
Acq: 20 Nov 2018 14:13

Tgt Ion:120 Resp: 1427820

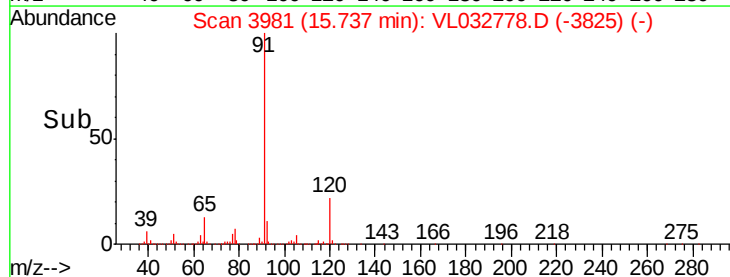
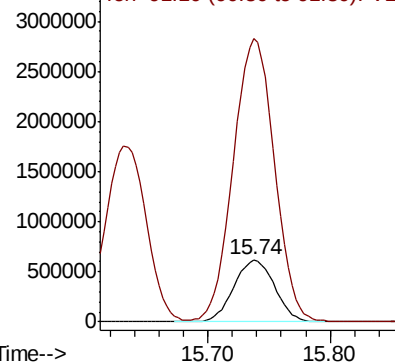
Ion Ratio Lower Upper

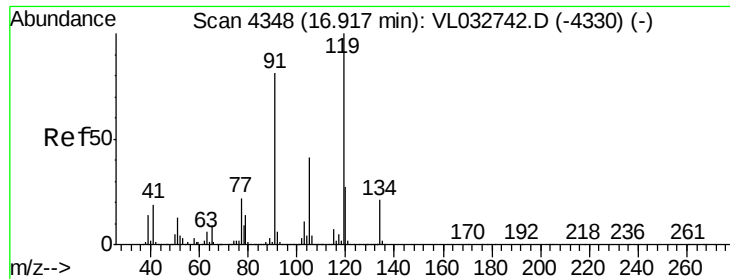
120 100

91 463.4 381.7 572.5



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.066 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion:119 Resp: 4985403

Ion Ratio Lower Upper

119 100

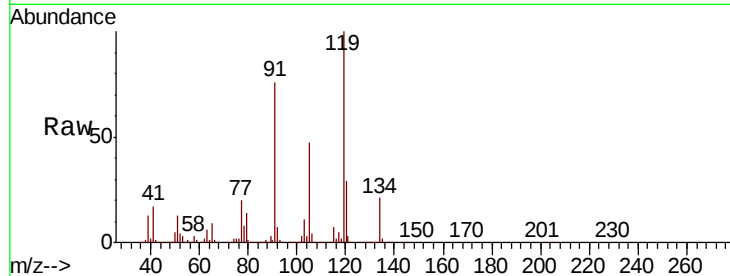
91 78.7 65.6 98.4

134 20.0 15.9 23.9

Manual Integrations
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MMDadoda

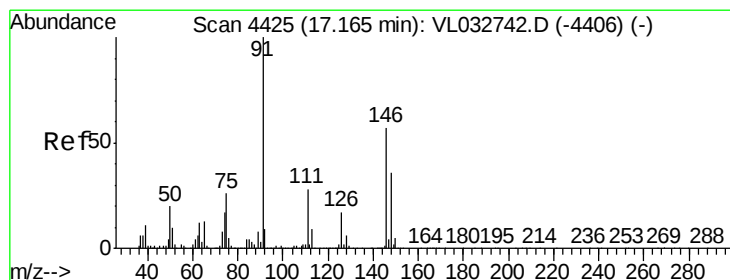
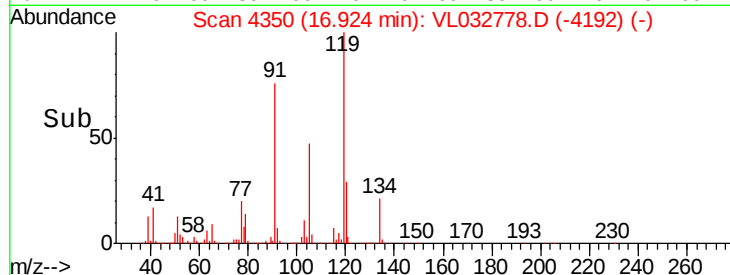
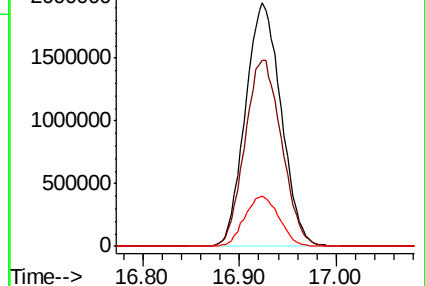
11/26/2018 9:18:40 AM



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: 9.878 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

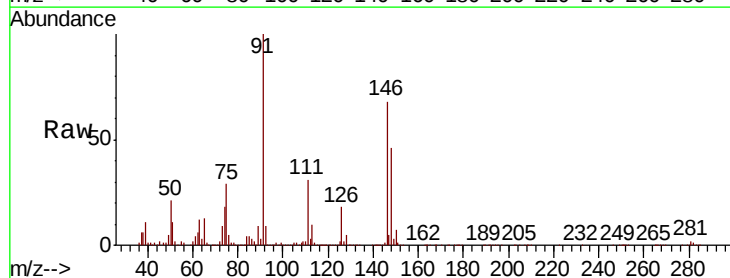
Tgt Ion: 91 Resp: 2704597

Ion Ratio Lower Upper

91 100

126 18.3 14.2 21.2

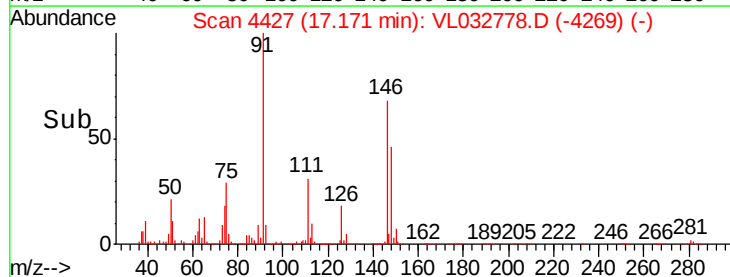
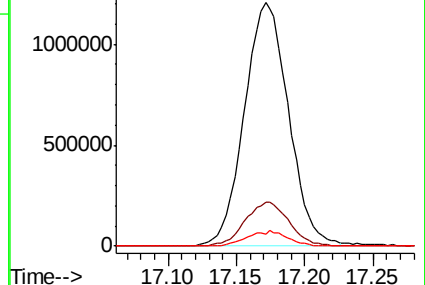
128 5.8 4.5 6.7

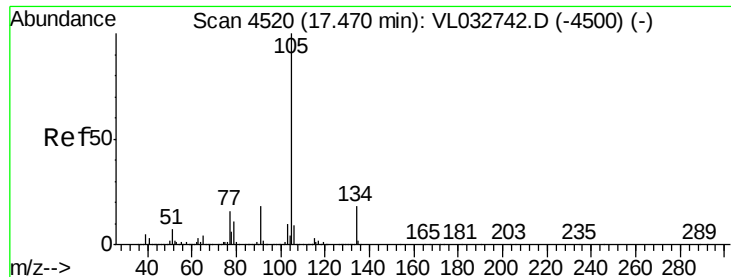


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.657 ppbv

RT: 17.48 min Scan# 4522

Delta R.T. 0.01 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 105 Resp: 6892674

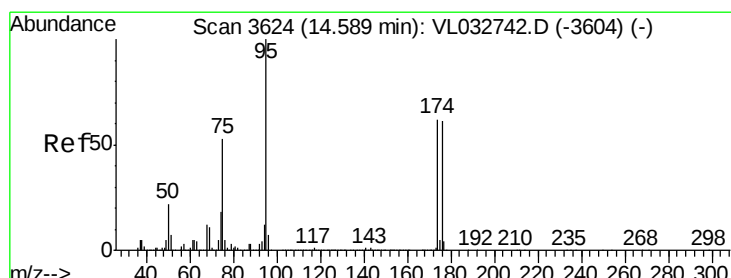
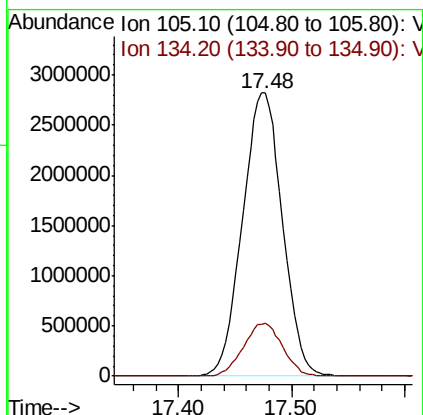
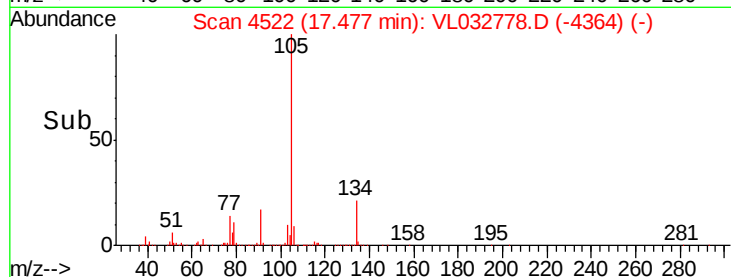
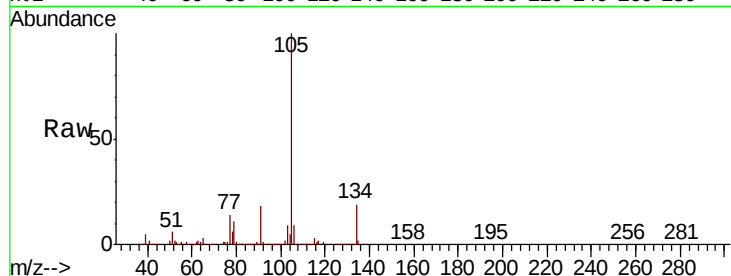
Ion Ratio Lower Upper

105 100

134 18.5 14.6 21.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.424 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

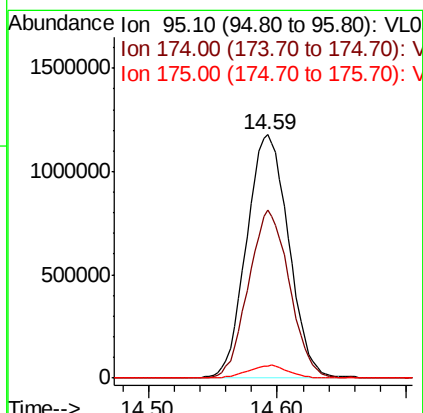
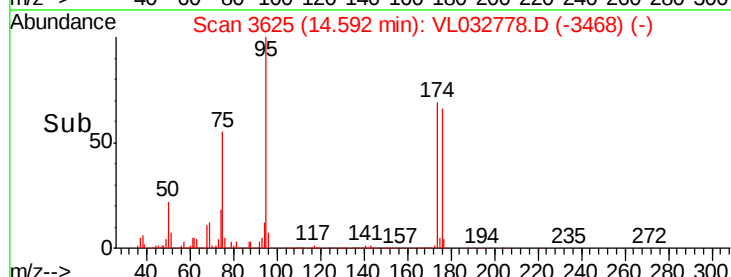
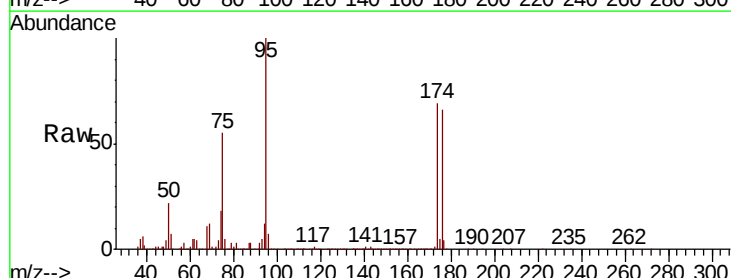
Tgt Ion: 95 Resp: 2674487

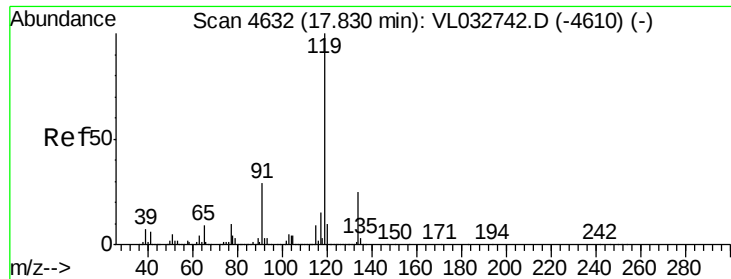
Ion Ratio Lower Upper

95 100

174 67.6 50.7 76.1

175 5.1 3.8 5.6





#69

p-Isopropyltoluene

Concen: 10.401 ppbv

RT: 17.83 min Scan# 4632

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABS01

Tot Ion: 119 Resp: 5902937

Ion Ratio Lower Upper

119 100

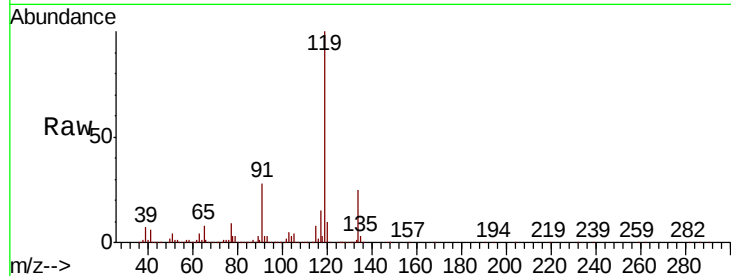
134 25.6 20.2 30.4

91 28.1 23.5 35.3

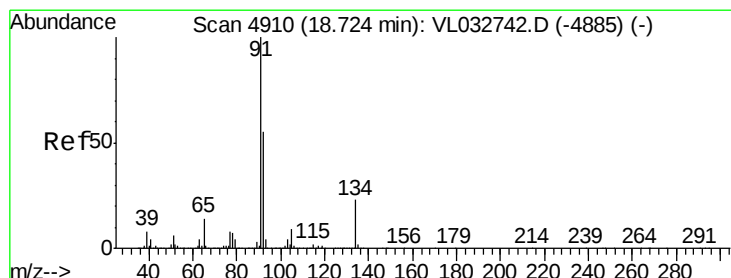
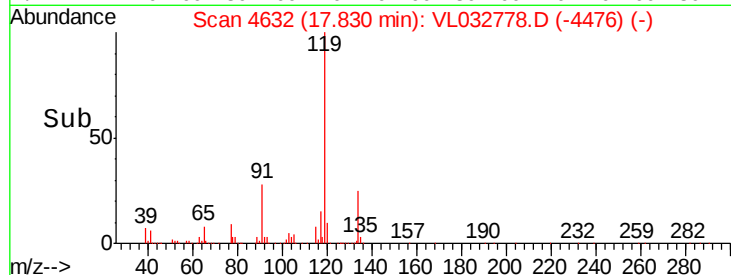
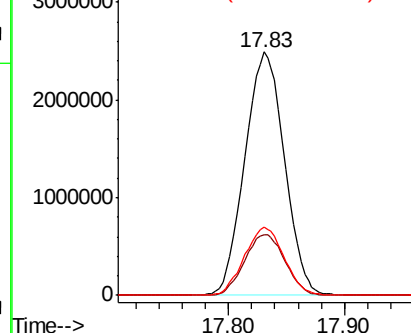
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Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.623 ppbv

RT: 18.73 min Scan# 4911

Delta R.T. 0.00 min

Lab File: VL032778.D

Acq: 20 Nov 2018 14:13

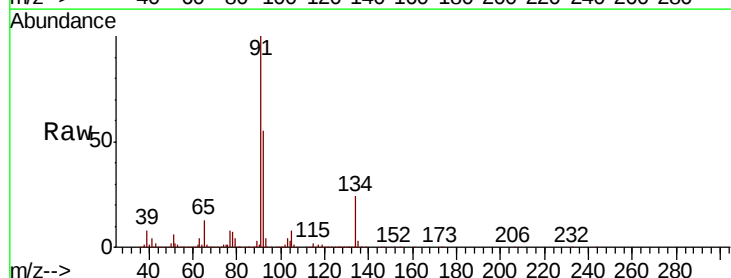
Tgt Ion: 91 Resp: 5545405

Ion Ratio Lower Upper

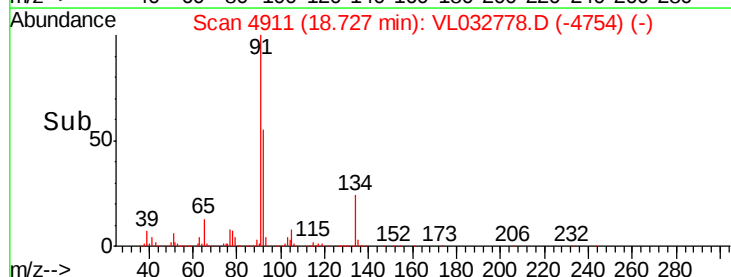
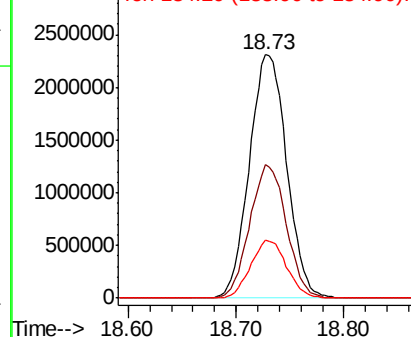
91 100

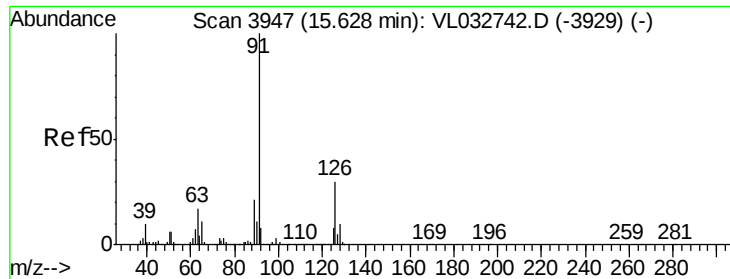
92 53.8 42.9 64.3

134 23.1 17.8 26.8



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





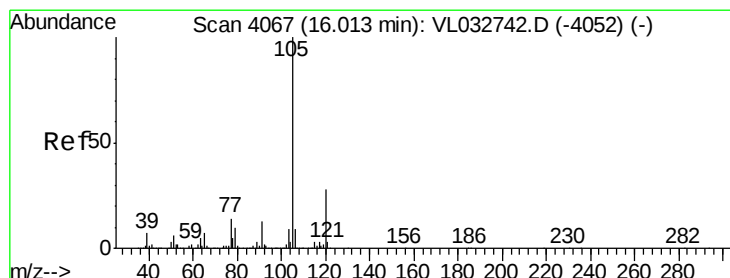
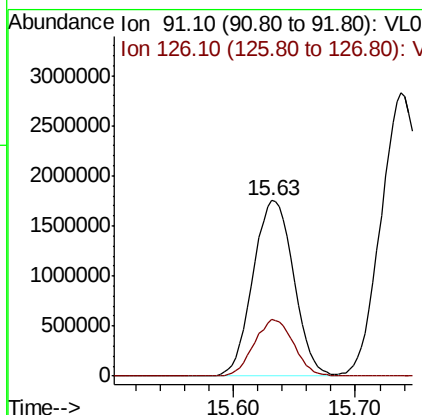
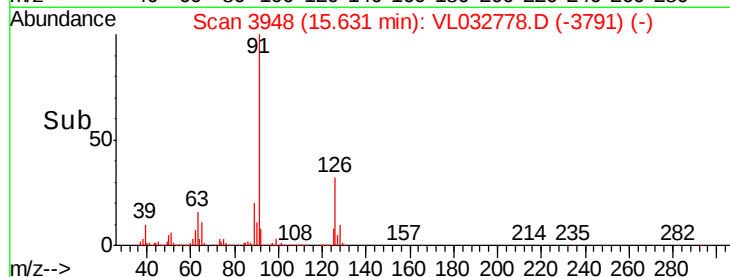
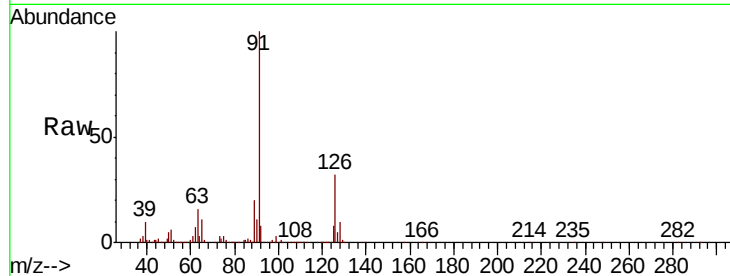
#71
2-Chlorotoluene
Concen: 9.869 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion: 91 Resp: 4066220
Ion Ratio Lower Upper
91 100
126 31.4 12.1 48.5

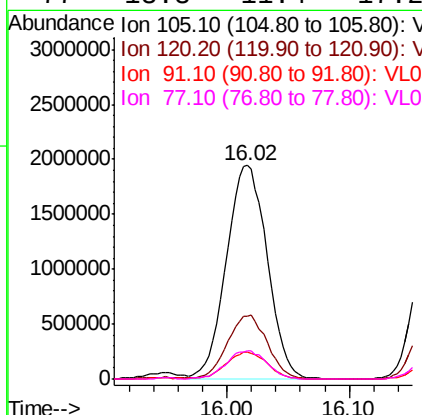
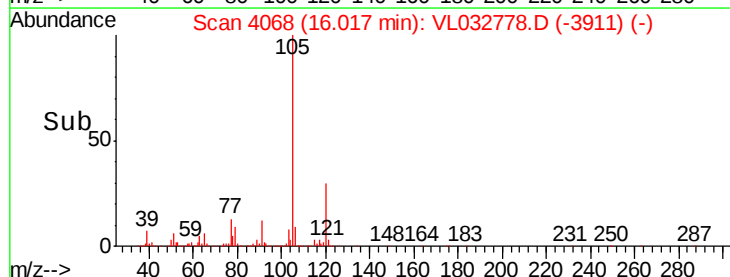
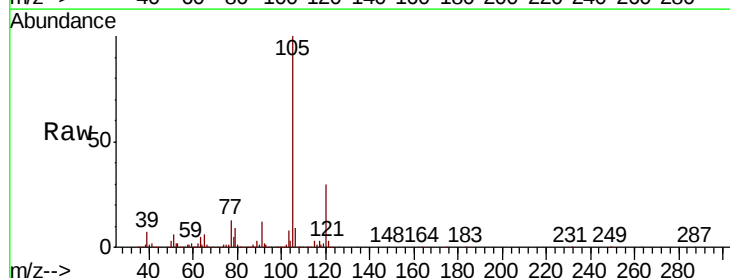
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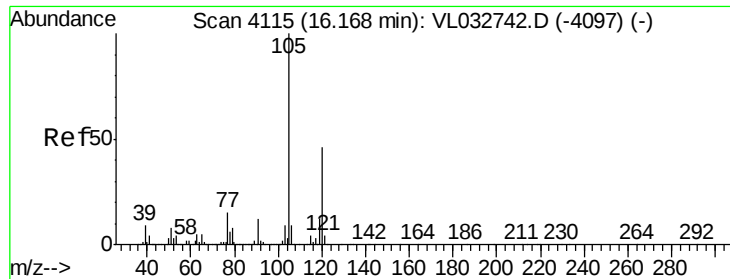
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#72
4-Ethyltoluene
Concen: 10.063 ppbv
RT: 16.02 min Scan# 4068
Delta R.T. 0.00 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion:105 Resp: 4508619
Ion Ratio Lower Upper
105 100
120 29.3 22.9 34.3
91 12.7 10.6 15.8
77 13.3 11.4 17.2





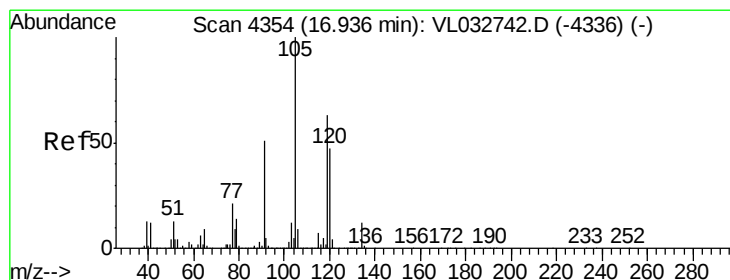
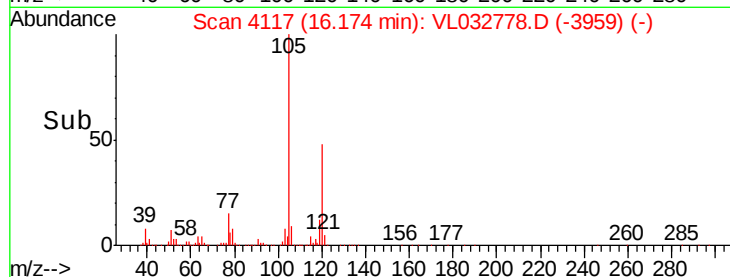
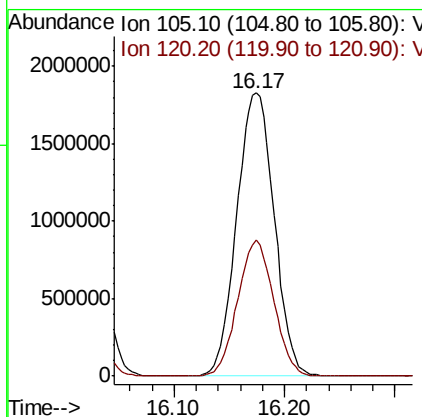
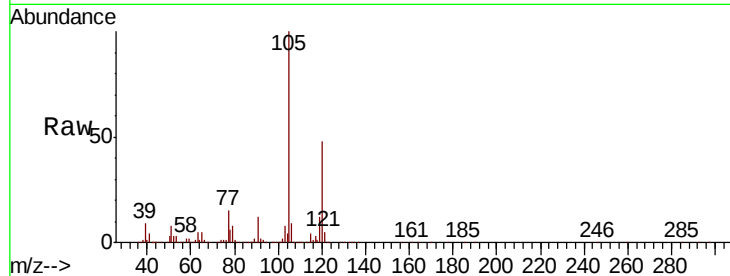
#73
 1,3,5-Trimethylbenzene
 Concen: 9.780 ppbv
 RT: 16.17 min Scan# 4117
 Delta R.T. 0.01 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion:105 Resp: 4283871
 Ion Ratio Lower Upper
 105 100
 120 48.0 36.6 55.0

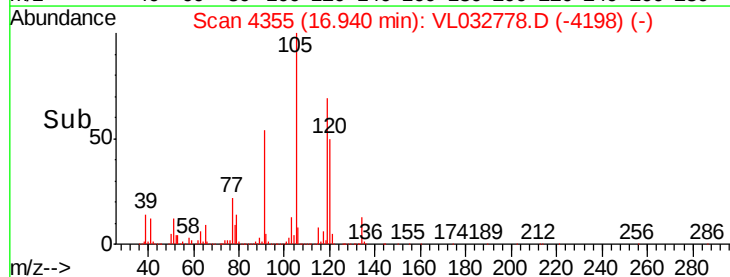
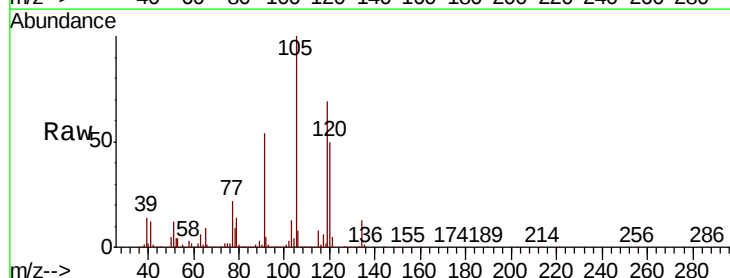
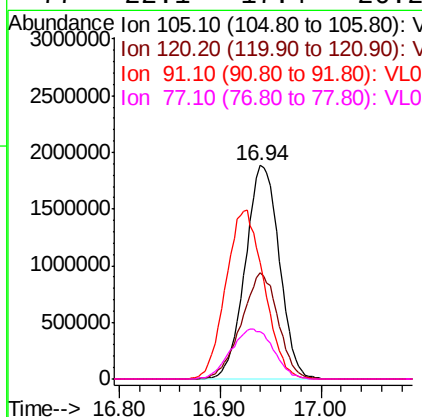
Manual Integrations
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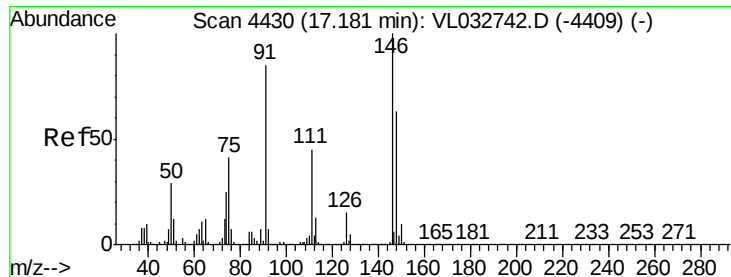
MMDadoda
 11/26/2018 9:18:40 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.385 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion:105 Resp: 4399175
 Ion Ratio Lower Upper
 105 100
 120 49.7 37.6 56.4
 91 54.4 42.5 63.7
 77 22.1 17.4 26.2





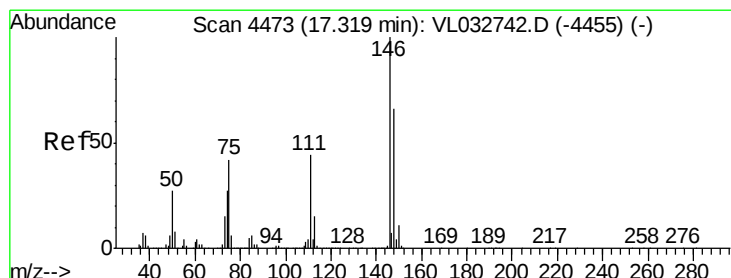
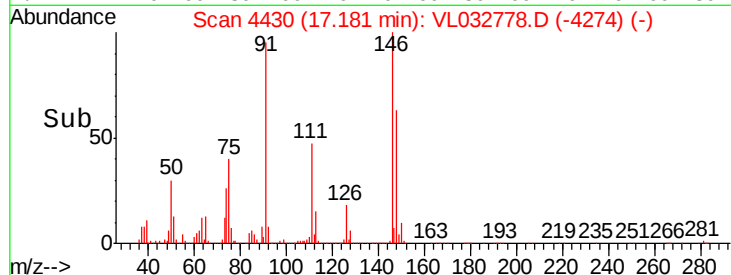
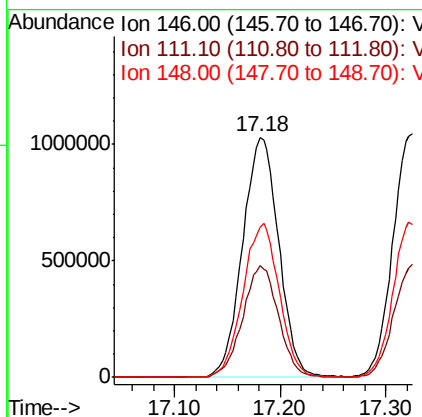
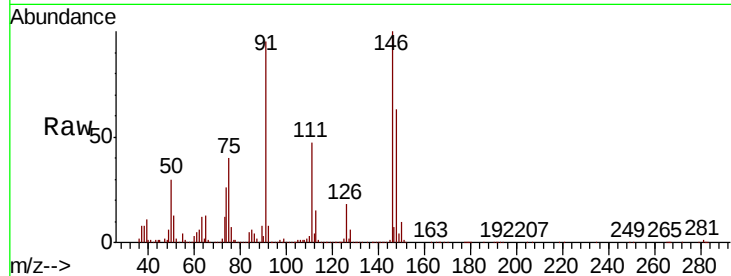
#75
 1,3-Dichlorobenzene
 Concen: 9.150 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.5	70.6
148	64.4	31.8	95.3

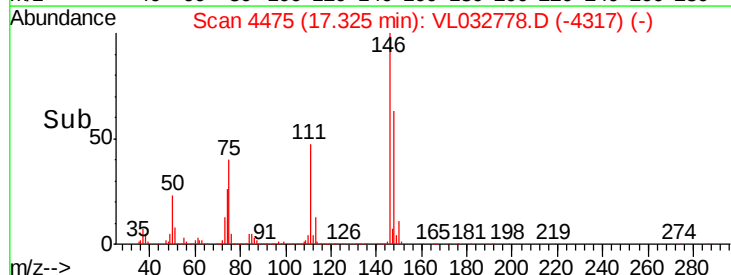
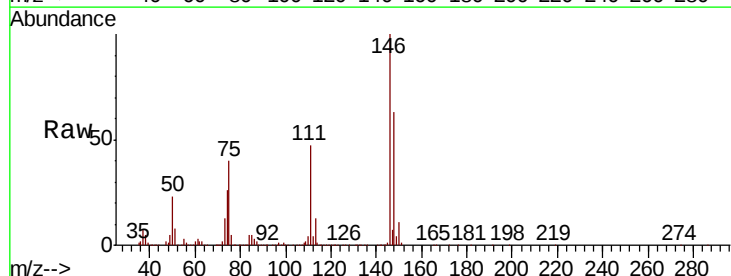
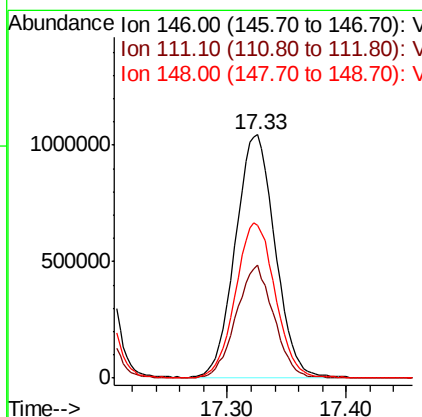
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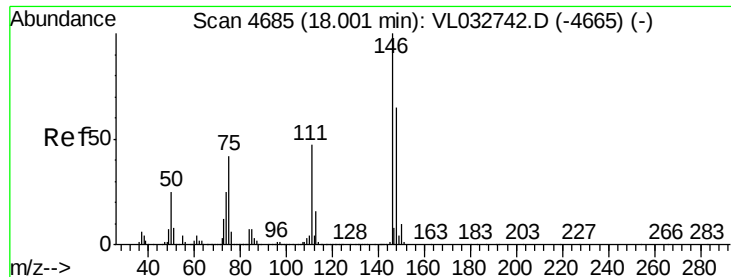
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#76
 1,4-Dichlorobenzene
 Concen: 9.561 ppbv
 RT: 17.33 min Scan# 4475
 Delta R.T. 0.01 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.5	67.5
148	64.3	32.5	97.5





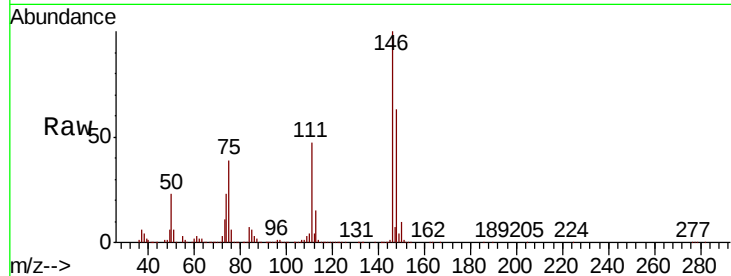
#77
 1,2-Dichlorobenzene
 Concen: 9.532 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. 0.01 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

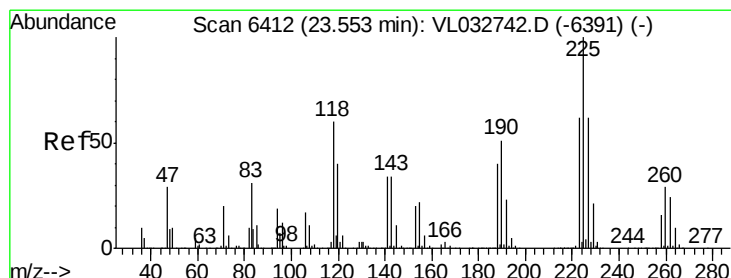
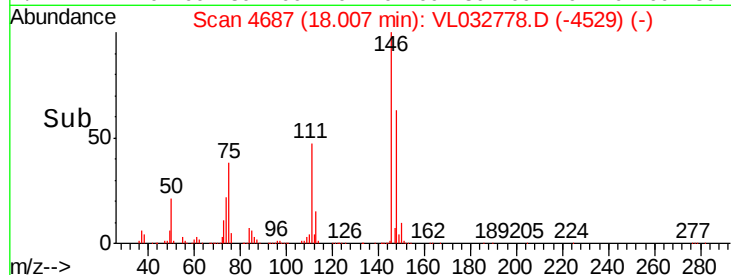
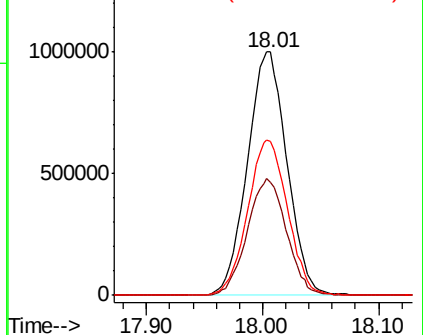
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.4	73.2
148	64.5	32.2	96.6

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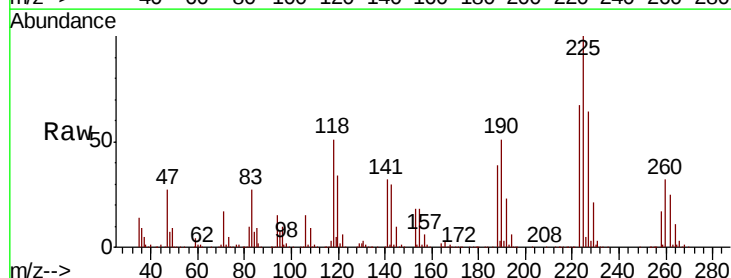


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

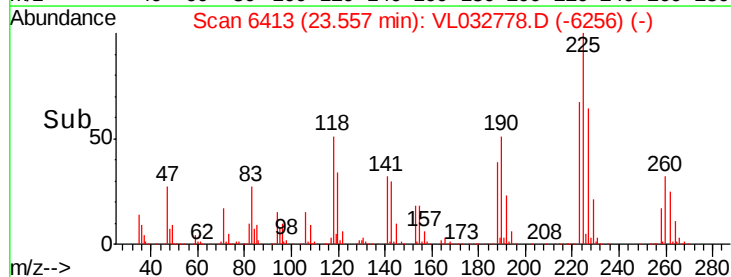
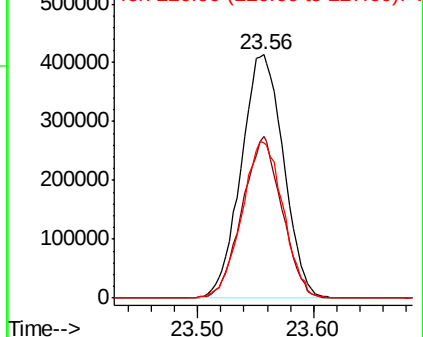


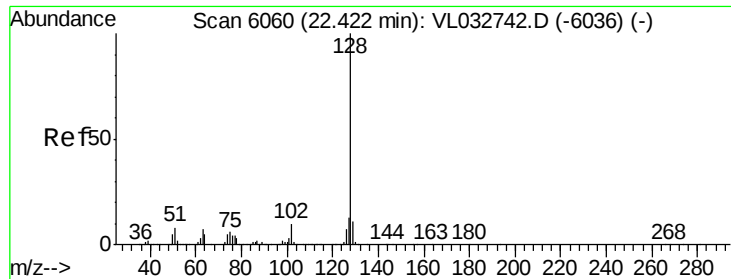
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.808 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	63.1	50.2	75.4



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





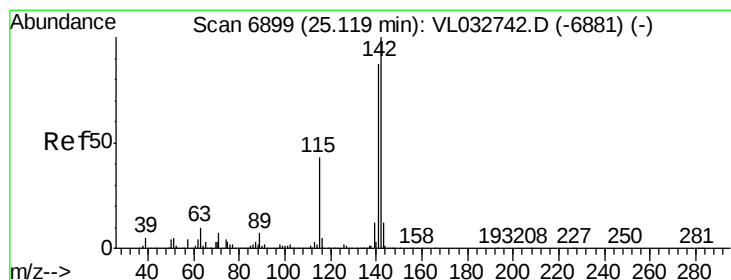
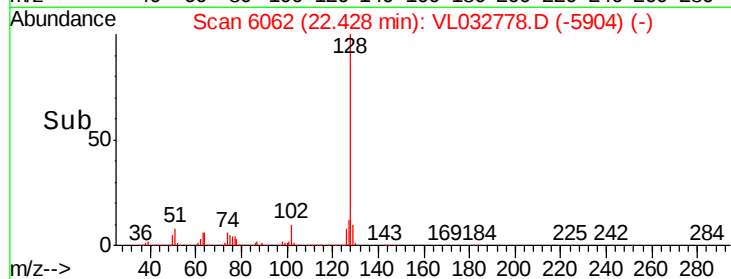
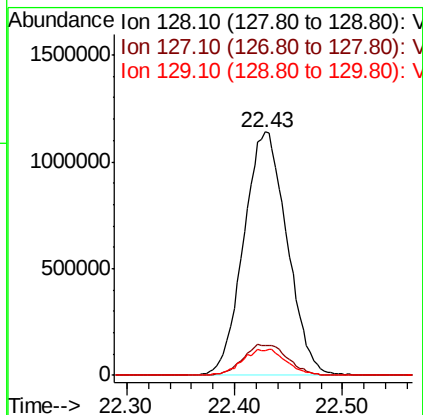
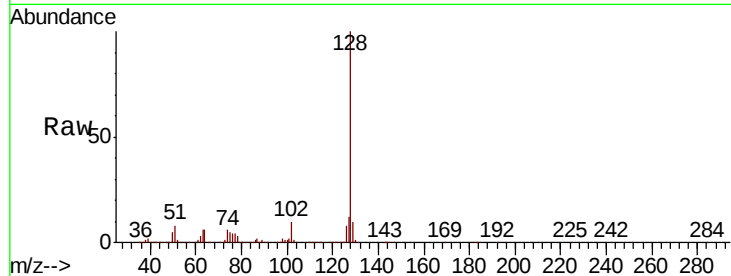
#79
Naphthalene
Concen: 10.341 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.4	8.9	13.3

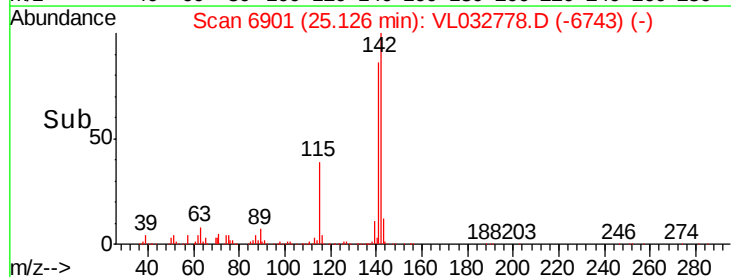
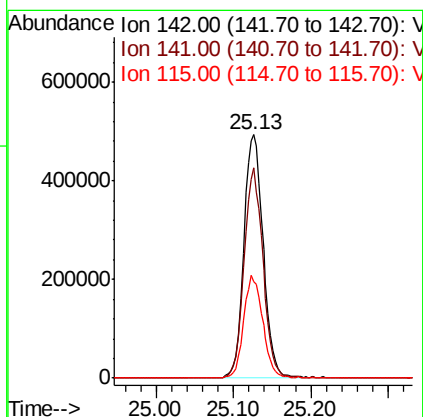
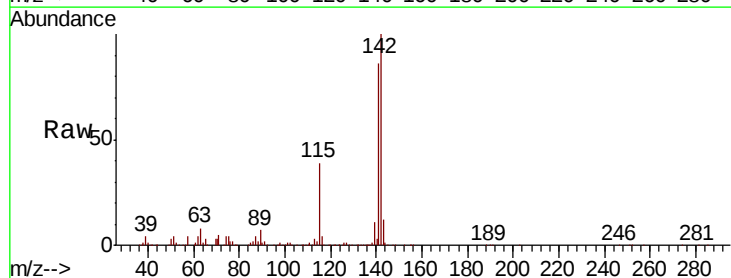
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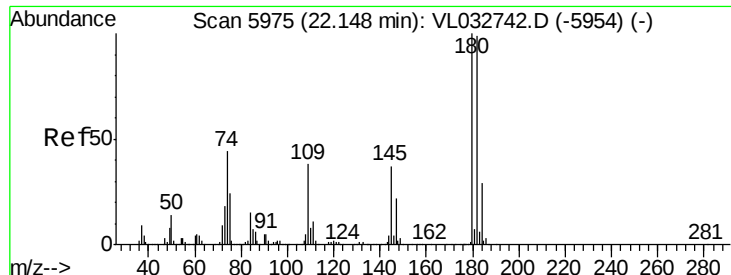
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#80
Naphthalene, 2-methyl-
Concen: 11.084 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032778.D
Acq: 20 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.7	103.1
115	42.0	35.5	53.3





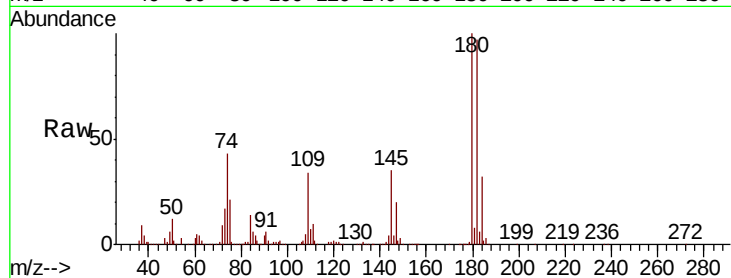
#81
 1,2,4-Trichlorobenzene
 Concen: 10.711 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032778.D
 Acq: 20 Nov 2018 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.3	115.9
184	30.5	24.2	36.4

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

