

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\
 Data File : VL032828.D
 Acq On : 28 Nov 2018 12:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 4:21:43 PM

Quant Time: Nov 28 15:19:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 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	1241410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3278048	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3231747	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2325161	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1269633	7.11	ppbv	98
3) Chlorodifluoromethane	3.02	51	1059316	10.76	ppbv	100
4) Chloromethane	3.18	50	583461	10.69	ppbv	99
5) Vinyl Chloride	3.30	62	602563	10.42	ppbv	99
6) Bromomethane	3.53	94	549196	15.52	ppbv	96
7) Chloroethane	3.61	64	315976	15.16	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1507058	10.72	ppbv	97
9) Propene	3.04	41	429170	10.90	ppbv	98
10) Heptane	8.26	43	1791112	11.91	ppbv	99
11) Trichlorofluoromethane	4.01	101	2306205	13.71	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1543466	11.24	ppbv	97
13) Ethanol	3.66	45	154251	11.96	ppbv	99
14) Bromoethene	3.80	108	697428	15.30	ppbv	98
15) Acetone	3.91	43	1483918	13.09	ppbv	100
16) 1,3-Butadiene	3.37	39	525190	11.96	ppbv	98
17) tert-Butyl alcohol	4.37	59	426001	11.98	ppbv	100
18) 1,1-Dichloroethene	4.36	96	779482	11.54	ppbv	100
19) Isopropyl Alcohol	4.03	45	1036770	13.73	ppbv	100
20) Methylene Chloride	4.42	84	668665	11.39	ppbv	98
21) Allyl Chloride	4.49	41	1204480	12.64	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	826836	12.54	ppbv	98
23) Vinyl Acetate	5.17	43	2390422	11.57	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1872665	11.40	ppbv	99
25) Ethyl Acetate	5.78	43	2948133	11.16	ppbv	99
26) Hexane	5.80	57	1362950	11.59	ppbv	100
27) Carbon Disulfide	4.63	76	1901325	12.75	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2276422	12.14	ppbv	100
29) Chloroform	5.87	83	2391440	11.41	ppbv	100
30) Cyclohexane	7.26	84	1235769	12.01	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1421295	12.02	ppbv	100
32) 1,1,1-Trichloroethane	6.64	97	2506763	10.91	ppbv	99
34) 2-Butanone	5.34	43	1896791	11.16	ppbv	100
35) Carbon Tetrachloride	7.15	117	2753435	10.45	ppbv	99
36) Benzene	7.02	78	2955965	11.32	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1914678	10.90	ppbv	100
38) Trichloroethene	7.98	130	1233281	11.67	ppbv	99
39) 1,2-Dichloropropane	7.75	63	1094713	11.01	ppbv	97
40) 1,4-Dioxane	7.97	88	419510	11.81	ppbv	86
41) Tetrahydrofuran	6.16	42	1138656	11.68	ppbv	99
42) Bromodichloromethane	7.93	83	2641539	11.09	ppbv	99
43) Methyl Methacrylate	8.15	69	1177250	12.08	ppbv	99

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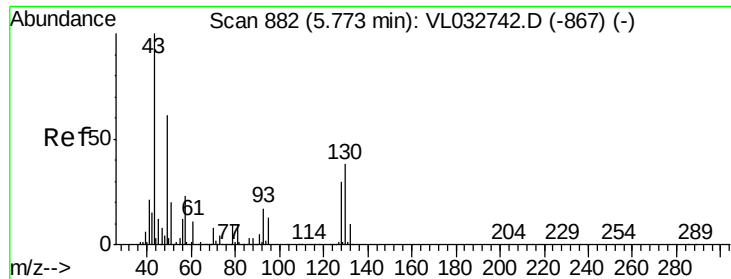
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4973146	11.40	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1720768	13.16	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1967627	12.45	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1320679	11.23	ppbv	97
48) Dibromochloromethane	10.47	129	2233743	11.18	ppbv	100
49) Bromoform	13.22	173	1830286	11.09	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3006967	11.32	ppbv	100
51) 2-Hexanone	10.29	43	2067341	12.08	ppbv #	99
52) Tetrachloroethene	11.39	164	1076242	11.85	ppbv	98
53) Toluene	9.97	91	3445471	12.65	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1912066	11.50	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1589245	10.54	ppbv	99
57) Chlorobenzene	12.32	112	2616699	10.58	ppbv	99
58) Ethyl Benzene	12.88	91	4594543	11.81	ppbv	98
59) m/p-Xylene	13.16	91	7639444m	22.06	ppbv	
60) o-Xylene	13.87	91	3703279	10.64	ppbv	100
61) Styrene	13.70	104	2746192	12.12	ppbv	99
62) Isopropylbenzene	14.84	105	5191247	11.03	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2424391	8.93	ppbv	99
64) n-propylbenzene	15.74	120	1329076	10.74	ppbv	97
65) tert-Butylbenzene	16.93	119	4598323	10.90	ppbv	98
66) Benzyl Chloride	17.18	91	2556612	10.96	ppbv	100
67) sec-Butylbenzene	17.48	105	6399578	10.53	ppbv	99
69) p-Isopropyltoluene	17.84	119	5332275	11.03	ppbv	99
70) n-Butylbenzene	18.73	91	5509672	11.23	ppbv	100
71) 2-Chlorotoluene	15.63	91	3855568	10.99	ppbv	100
72) 4-Ethyltoluene	16.02	105	4217127	11.05	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3999257	10.72	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4153182	10.40	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2399111	10.48	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2361923	11.04	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	2316714	10.93	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1857828	16.25	ppbv	99
79) Naphthalene	22.43	128	4287725	16.35	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1137526	17.32	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	2057598	15.62	ppbv	99

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



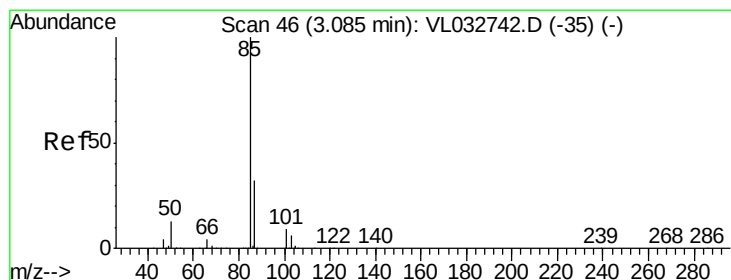
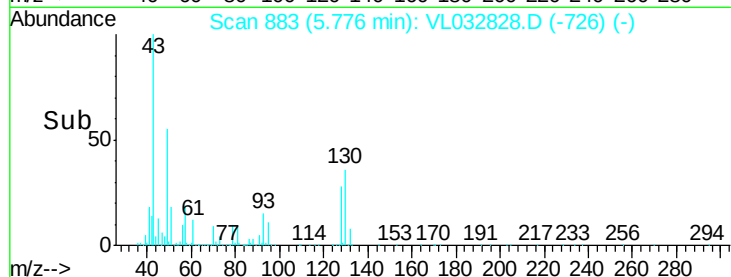
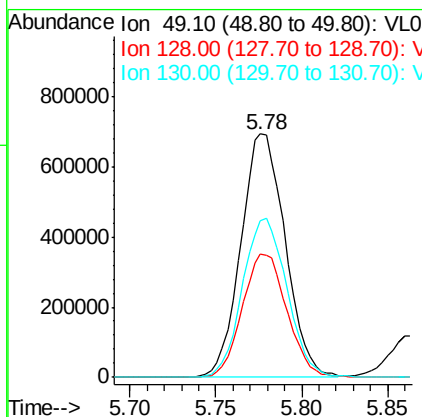
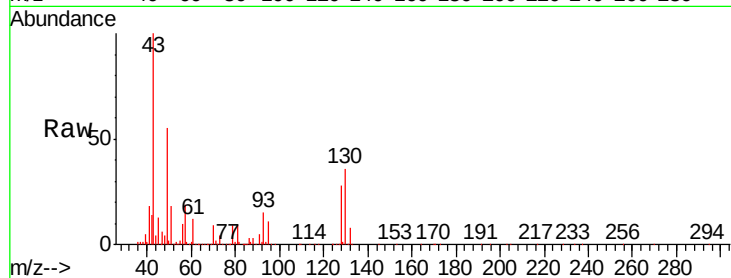
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 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.78 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 49 Resp: 1241410
 Ion Ratio Lower Upper
 49 100
 128 51.3 24.9 74.6
 130 66.1 31.4 94.2

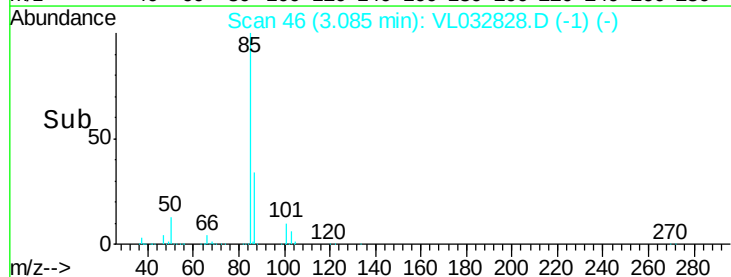
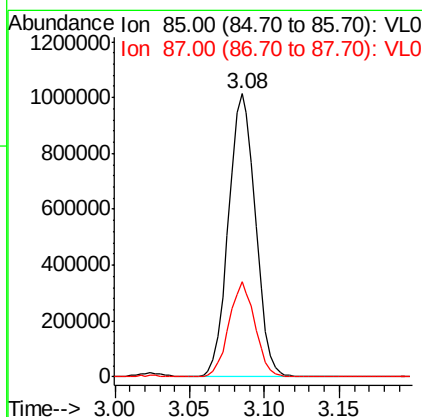
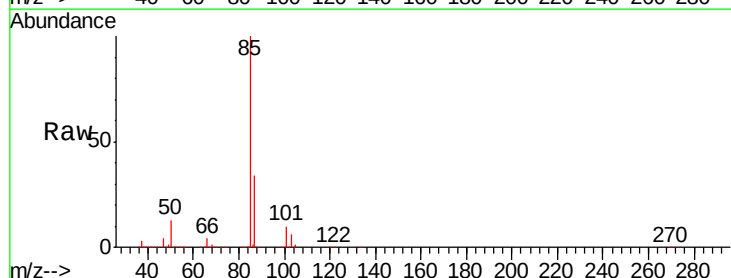
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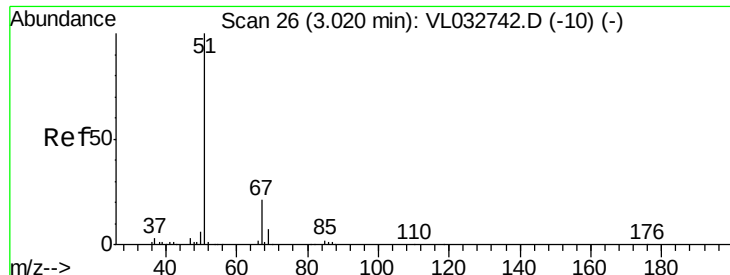
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#2
 Dichlorodifluoromethane
 Concen: 7.11 ppbv
 RT: 3.08 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 85 Resp: 1269633
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.0 39.0





#3

Chlorodifluoromethane

Concen: 10.76 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 1059316

Ion Ratio Lower Upper

51 100

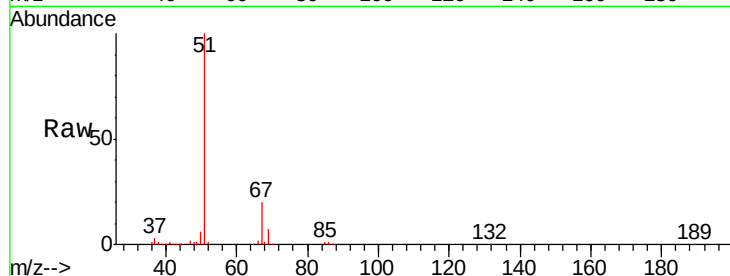
67 20.3 16.1 24.1

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.02

800000

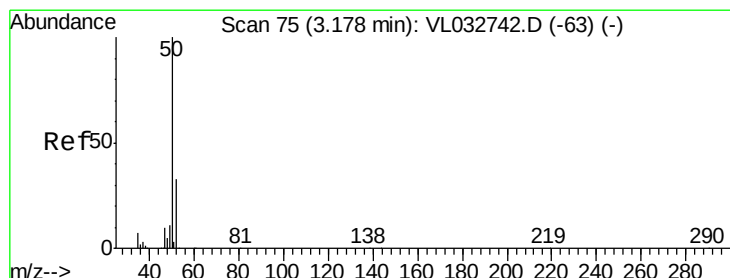
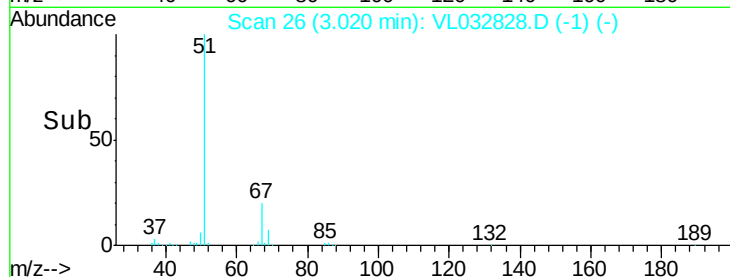
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.69 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032828.D

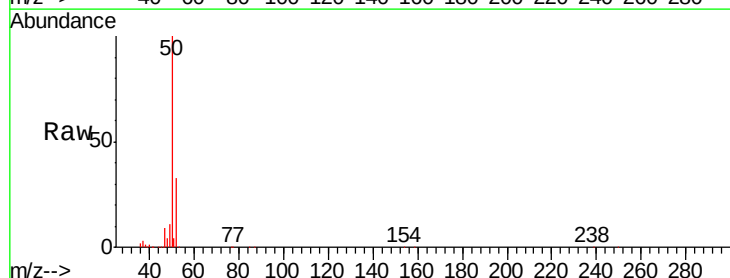
Acq: 28 Nov 2018 12:49

Tgt Ion: 50 Resp: 583461

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.18

400000

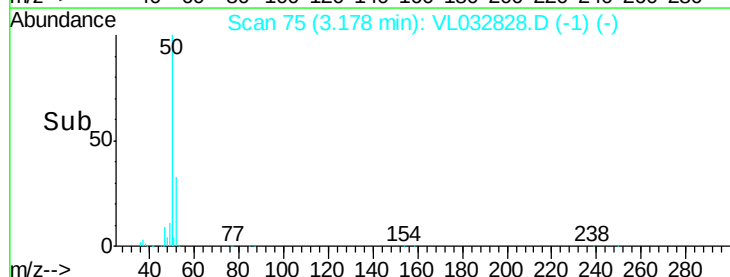
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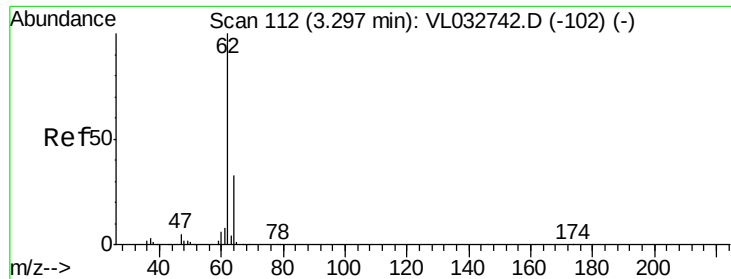
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.42 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 602563

Ion Ratio Lower Upper

62 100

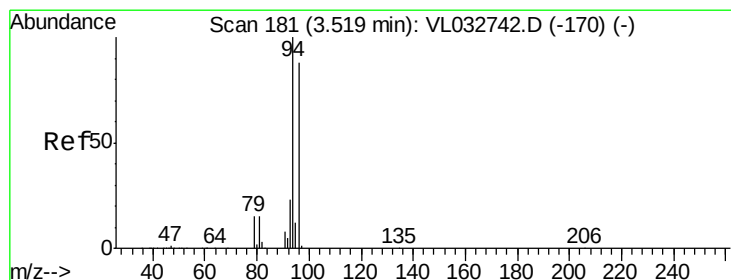
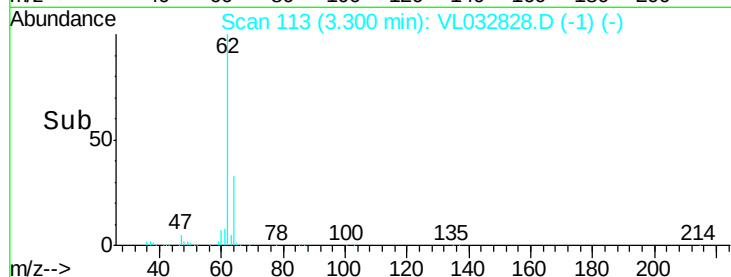
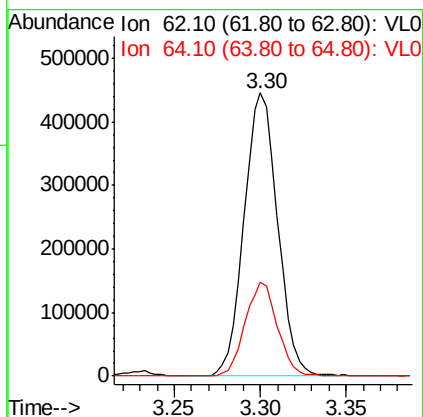
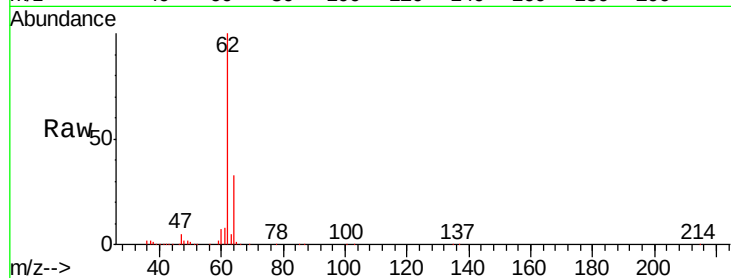
64 33.3 26.2 39.4

Manual Integrations

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#6

Bromomethane

Concen: 15.52 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.01 min

Lab File: VL032828.D

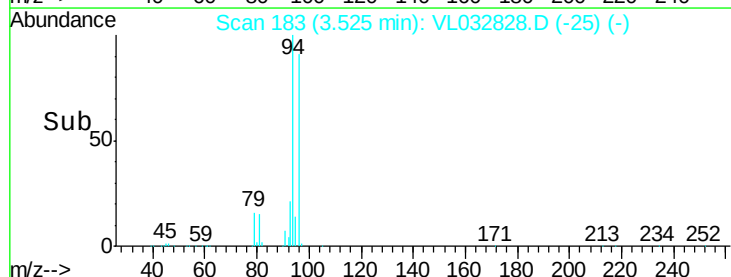
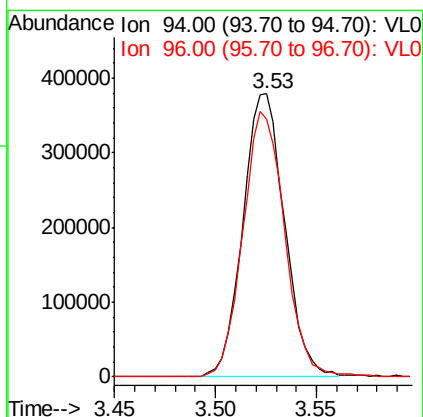
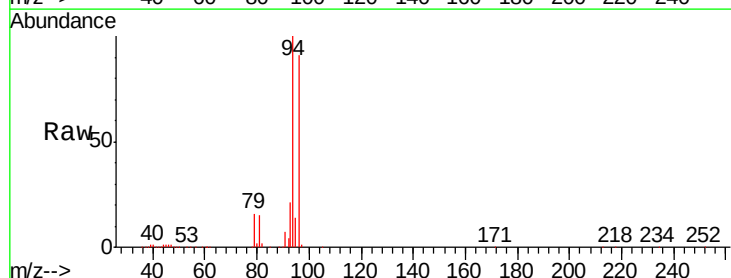
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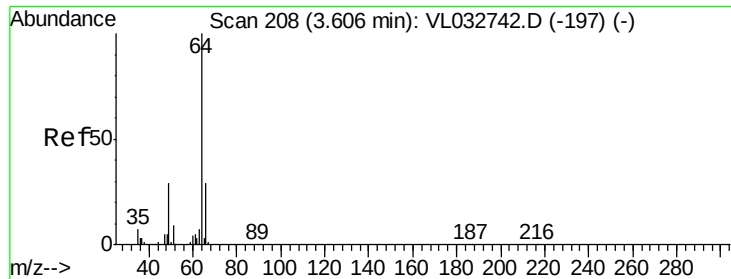
Tgt Ion: 94 Resp: 549196

Ion Ratio Lower Upper

94 100

96 91.0 70.2 105.2





#7

Chloroethane

Concen: 15.16 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 315976

Ion Ratio Lower Upper

64 100

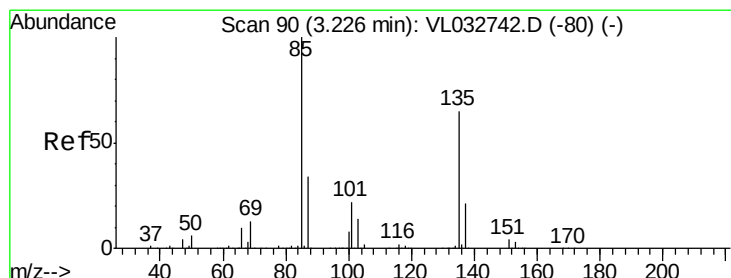
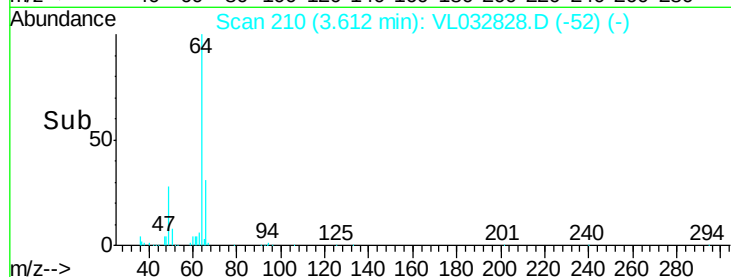
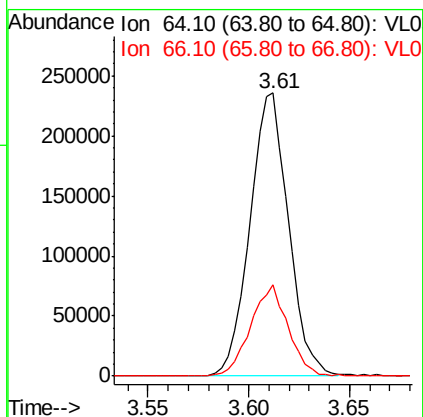
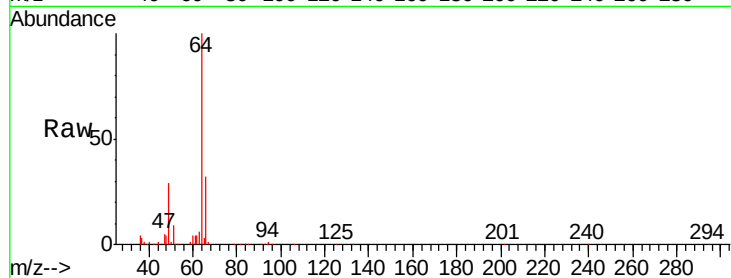
66 32.1 23.2 34.8

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#8

Dichlorotetrafluoroethane

Concen: 10.72 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032828.D

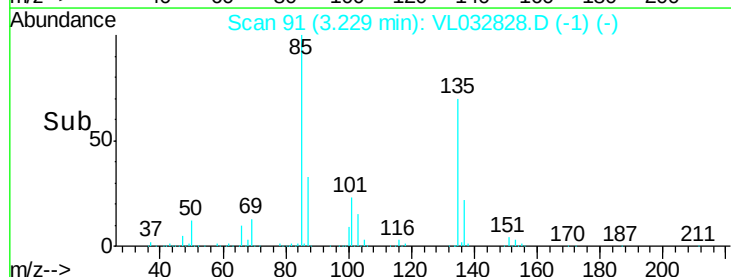
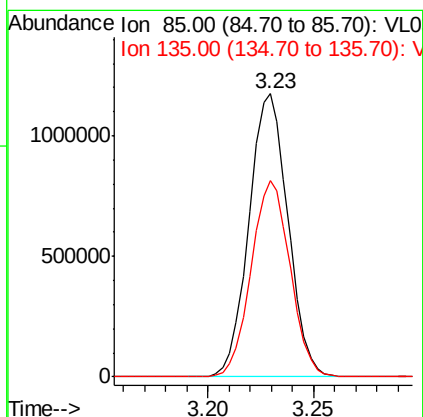
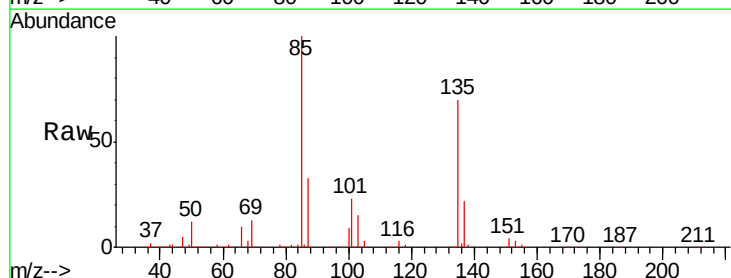
Acq: 28 Nov 2018 12:49

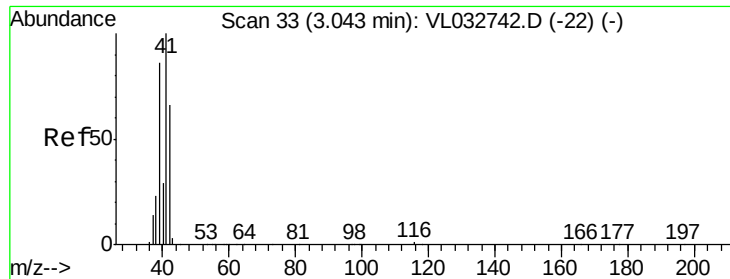
Tgt Ion: 85 Resp: 1507058

Ion Ratio Lower Upper

85 100

135 69.7 53.8 80.8





#9

Propene

Concen: 10.90 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 429170

Ion Ratio Lower Upper

41 100

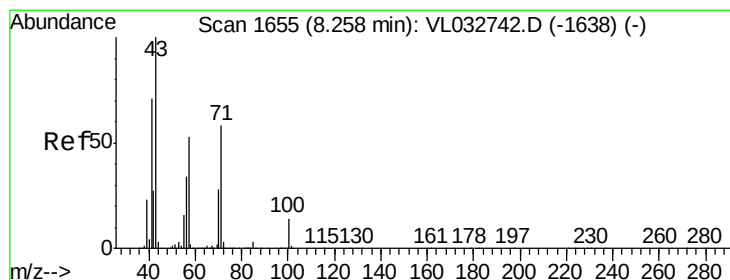
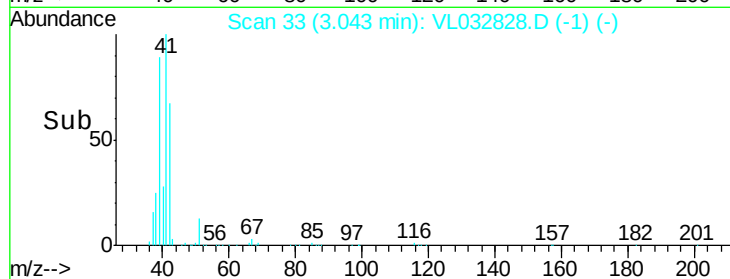
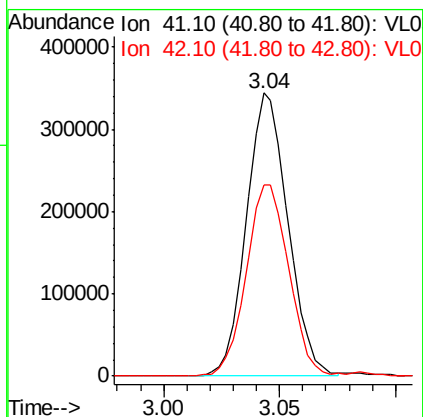
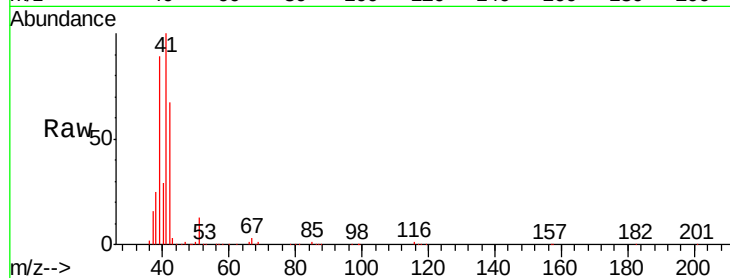
42 70.0 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 11.91 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL032828.D

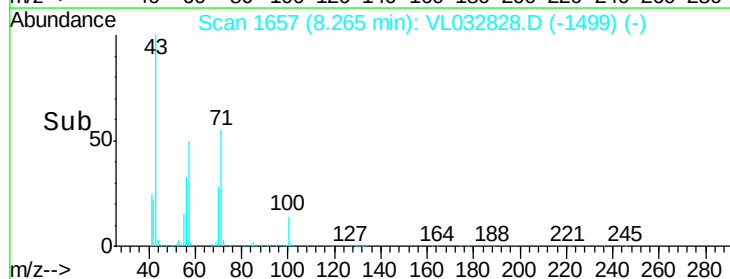
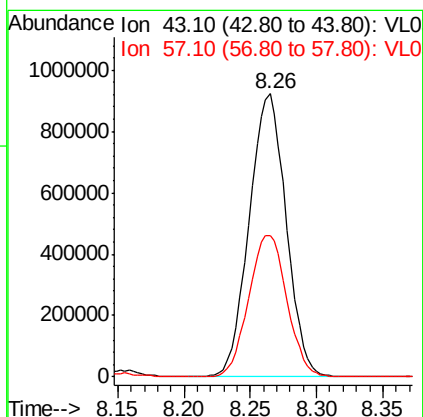
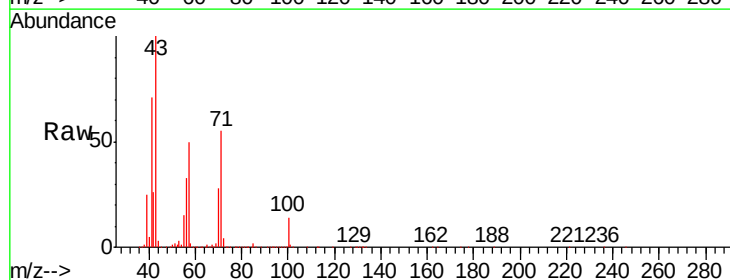
Acq: 28 Nov 2018 12:49

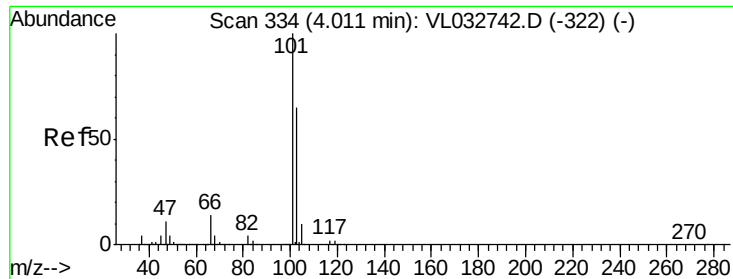
Tgt Ion: 43 Resp: 1791112

Ion Ratio Lower Upper

43 100

57 51.6 41.8 62.8





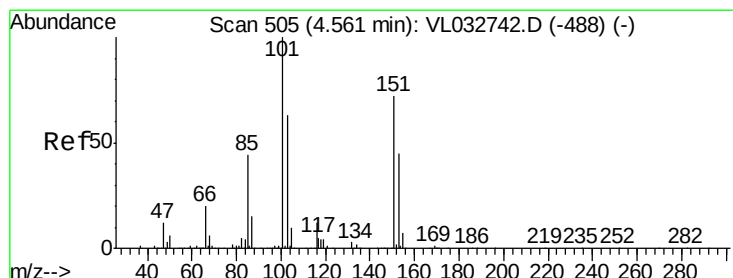
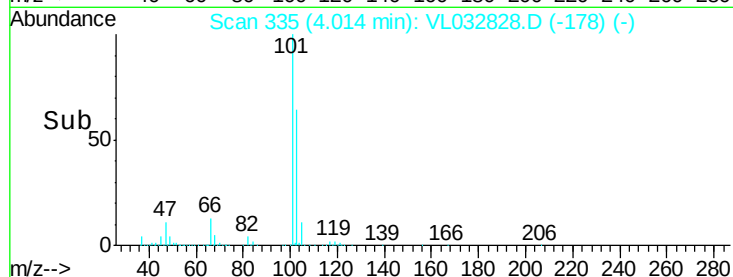
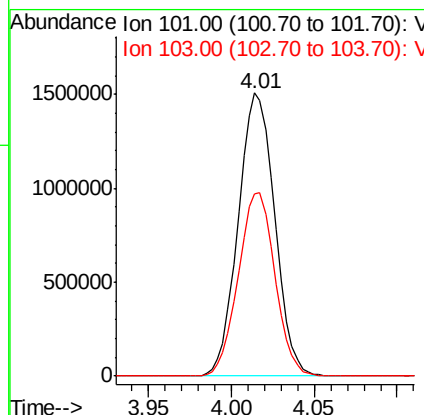
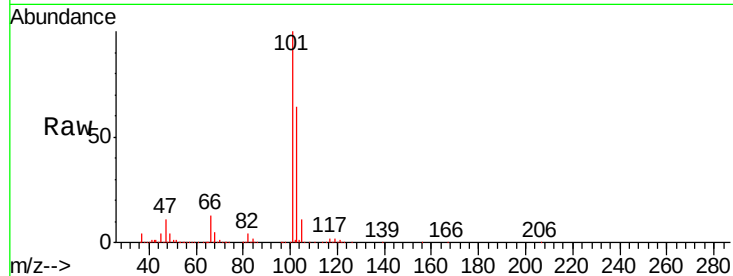
#11
 Trichlorofluoromethane
 Concen: 13.71 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 2306205
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.6 77.4

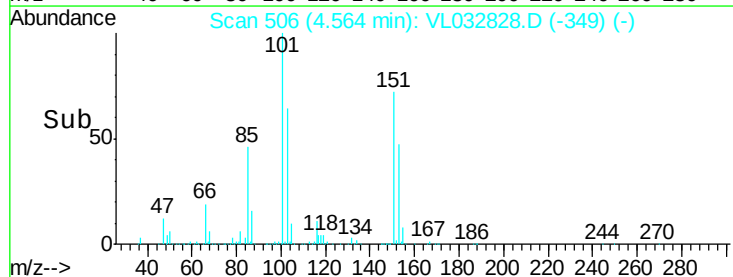
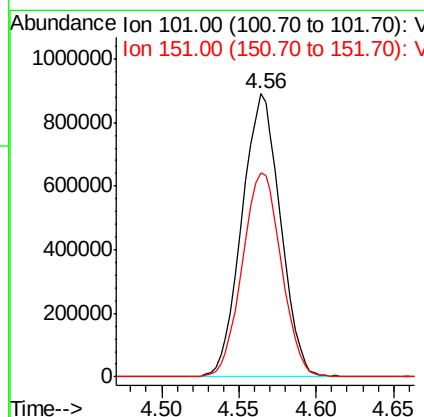
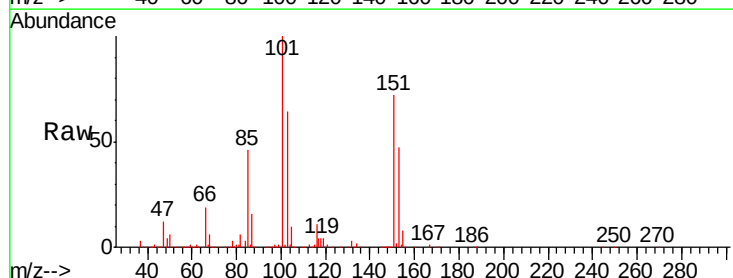
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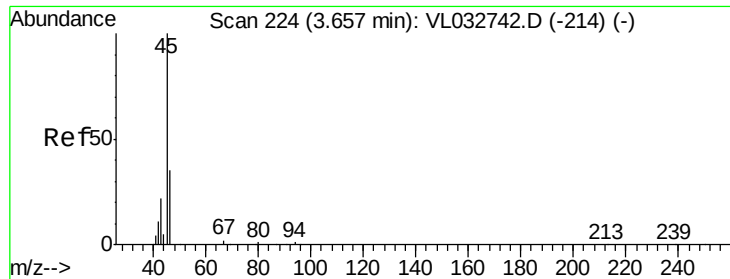
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.24 ppbv
 RT: 4.56 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion:101 Resp: 1543466
 Ion Ratio Lower Upper
 101 100
 151 73.3 56.7 85.1





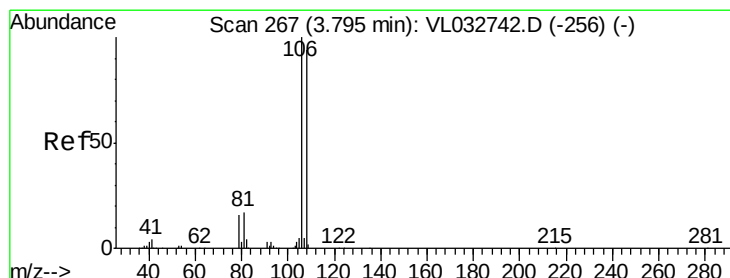
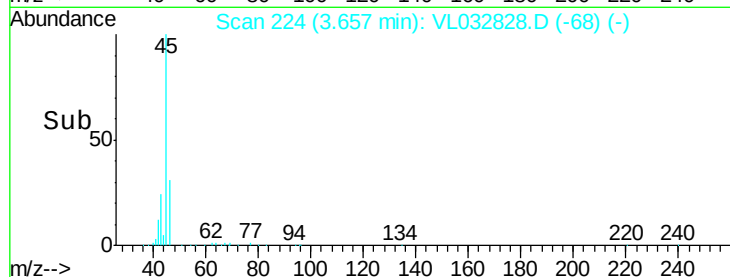
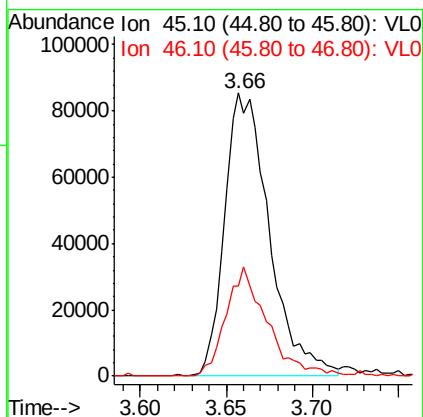
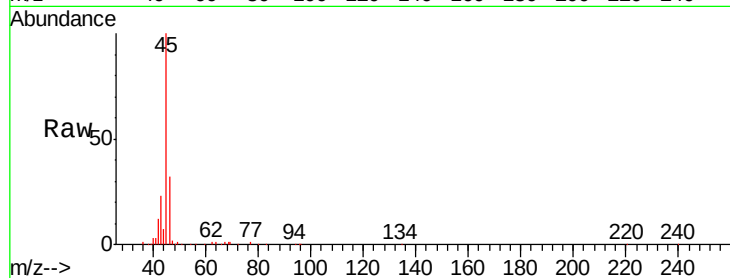
#13
Ethanol
Concen: 11.96 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 154251
Ion Ratio Lower Upper
45 100
46 35.4 14.5 57.9

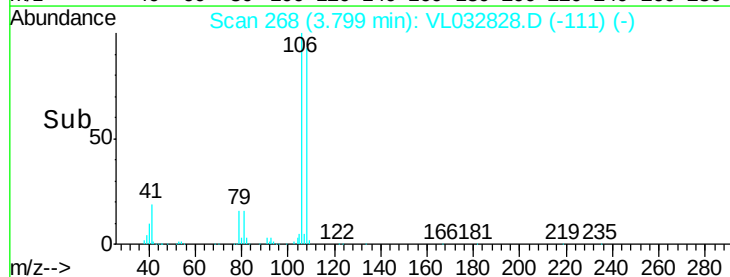
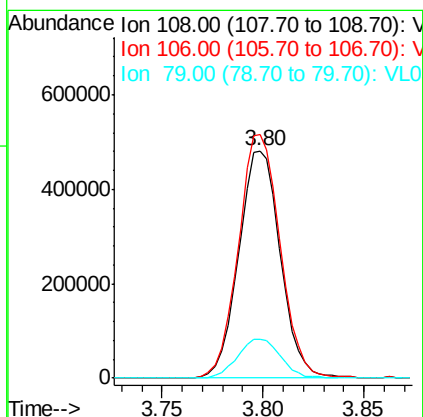
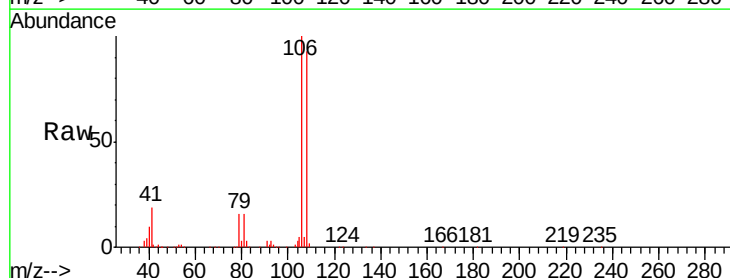
Manual Integrations
APPROVED

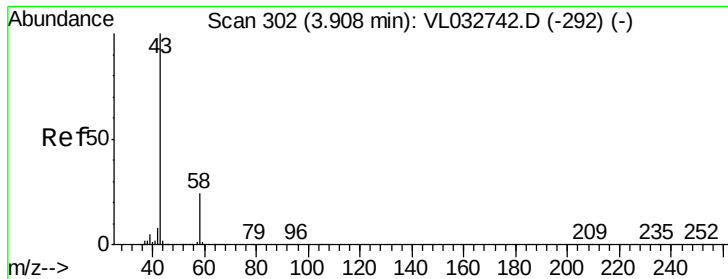
MMDadoda
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#14
Bromoethene
Concen: 15.30 ppbv
RT: 3.80 min Scan# 268
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 108 Resp: 697428
Ion Ratio Lower Upper
108 100
106 108.0 84.9 127.3
79 18.1 14.2 21.4





#15

Acetone

Concen: 13.09 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1483918

Ion Ratio Lower Upper

43 100

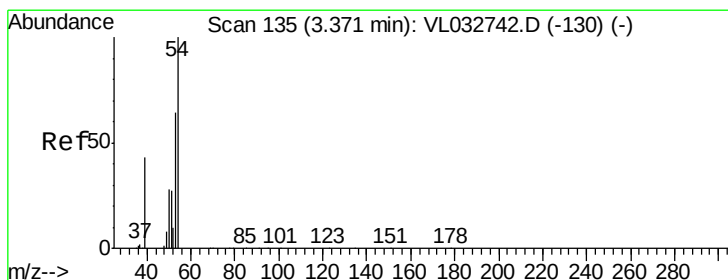
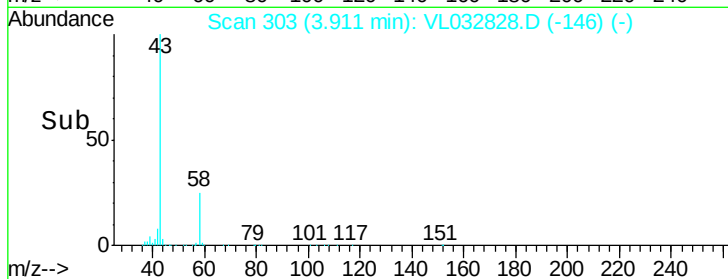
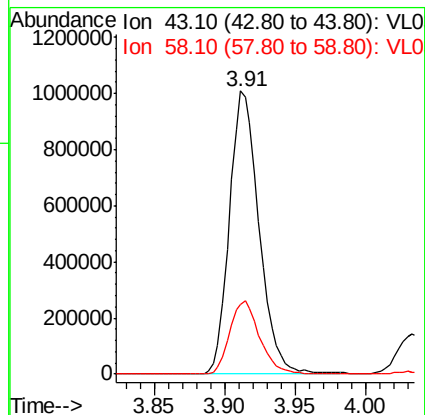
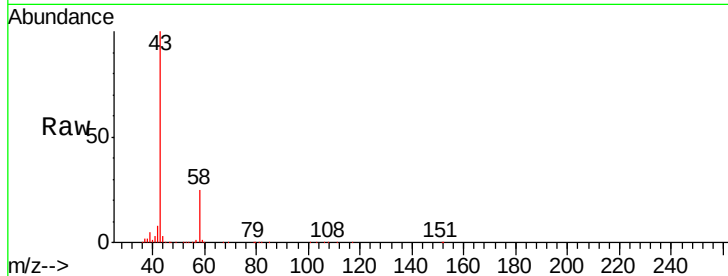
58 26.4 21.1 31.7

Manual Integrations

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#16

1,3-Butadiene

Concen: 11.96 ppbv

RT: 3.37 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL032828.D

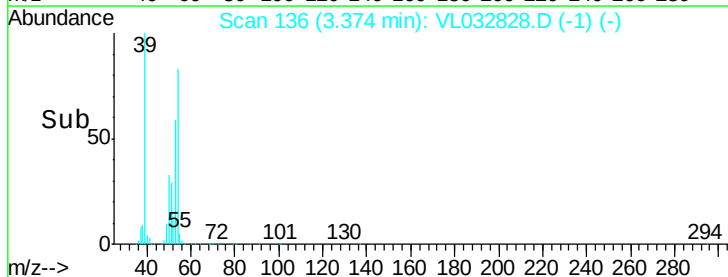
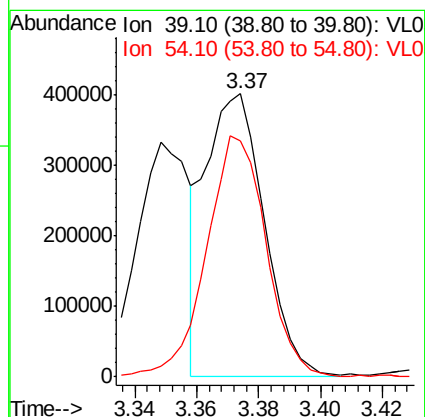
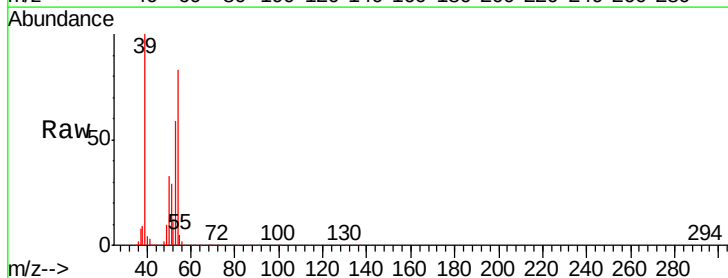
Acq: 28 Nov 2018 12:49

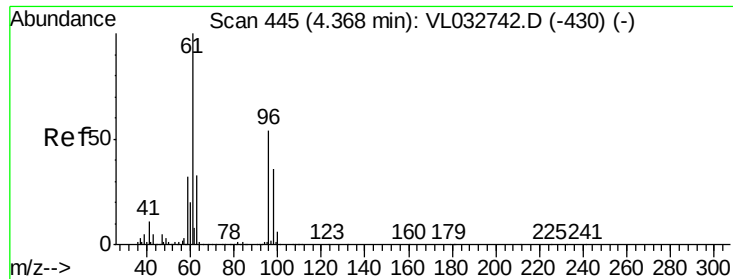
Tgt Ion: 39 Resp: 525190

Ion Ratio Lower Upper

39 100

54 87.9 68.9 103.3





#17

tert-Butyl alcohol

Concen: 11.98 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 426001

Ion Ratio Lower Upper

59 100

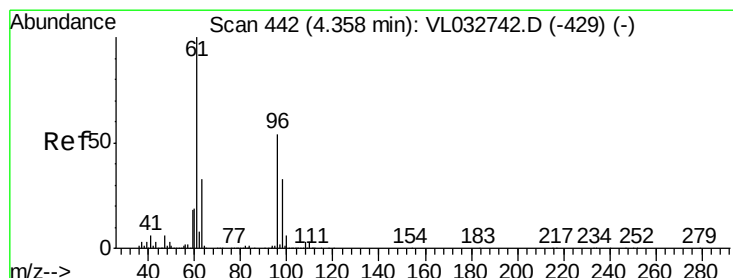
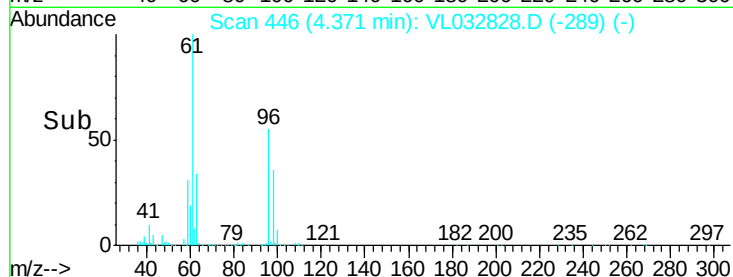
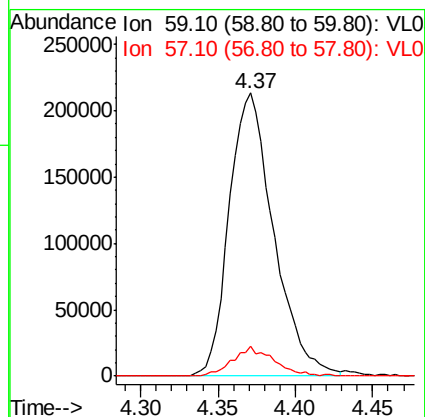
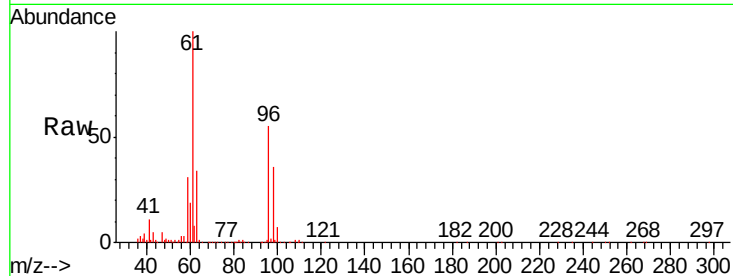
57 9.8 7.8 11.8

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 11.54 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

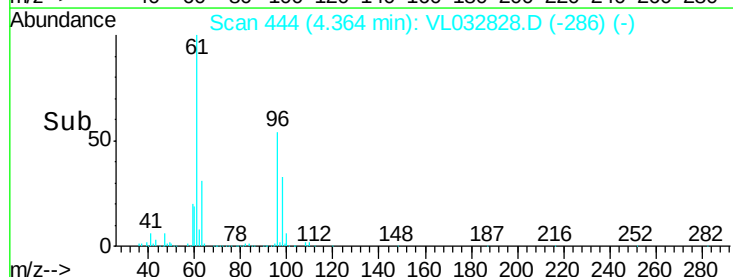
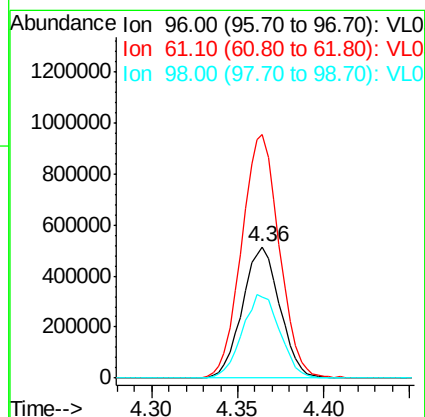
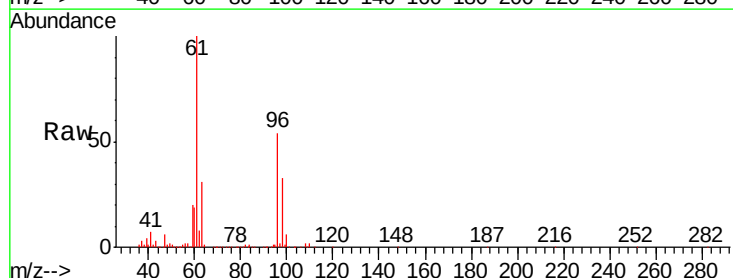
Tgt Ion: 96 Resp: 779482

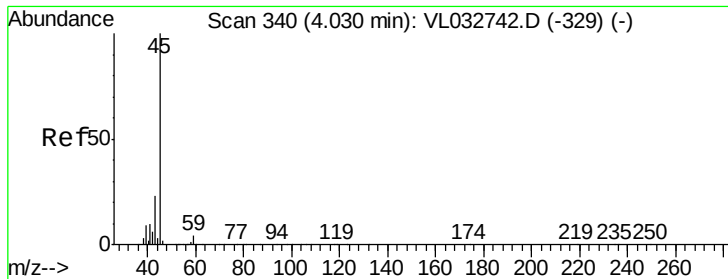
Ion Ratio Lower Upper

96 100

61 185.7 148.5 222.7

98 61.7 48.6 72.8





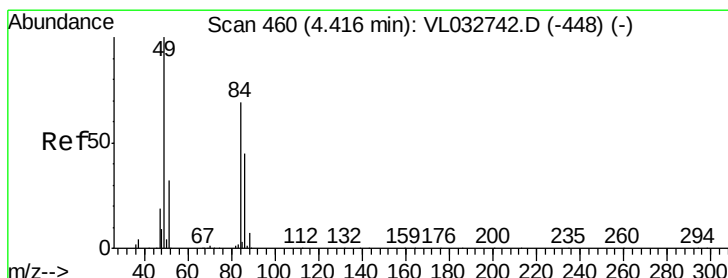
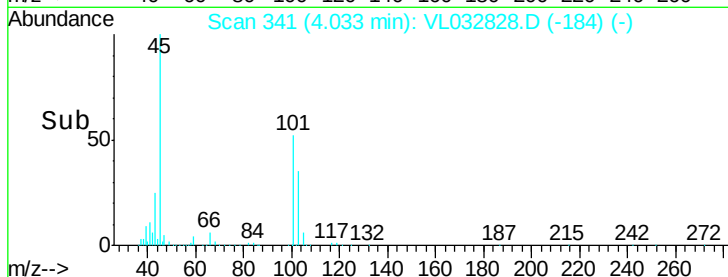
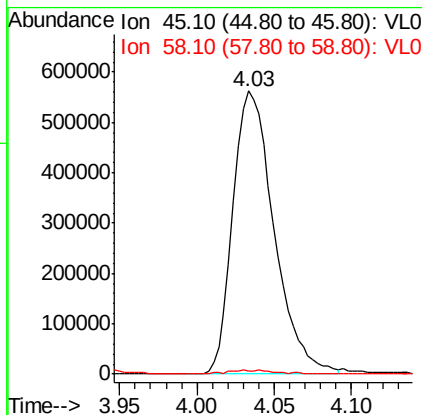
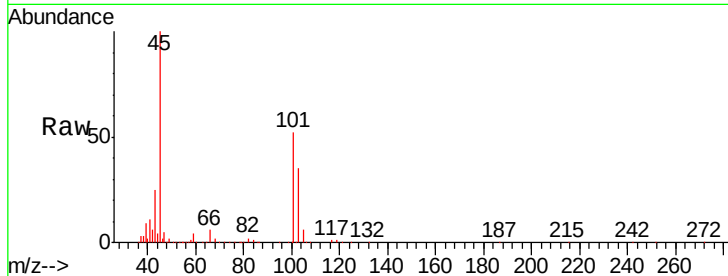
#19
Isopropyl Alcohol
Concen: 13.73 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 1036770
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.0

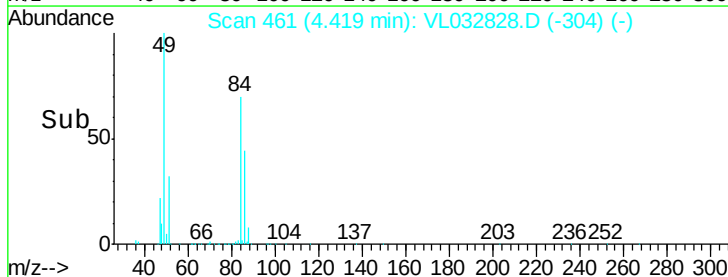
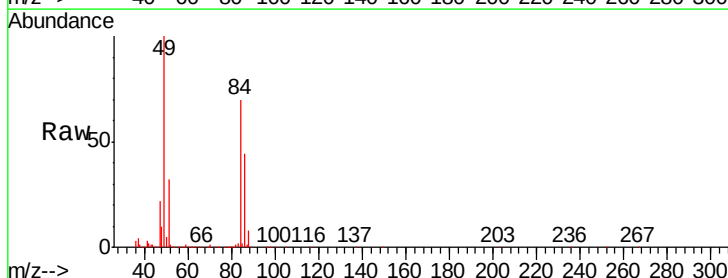
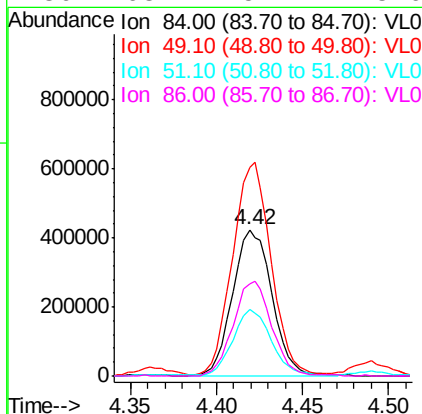
Manual Integrations
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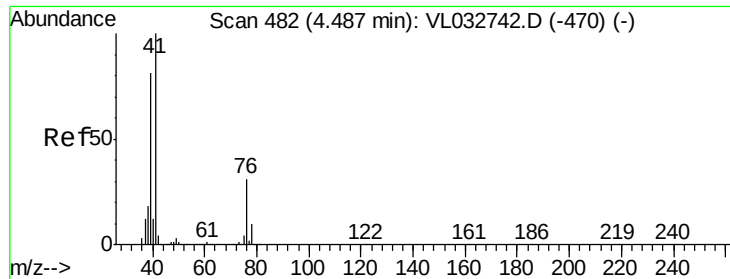
MMDadoda
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#20
Methylene Chloride
Concen: 11.39 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 84 Resp: 668665
Ion Ratio Lower Upper
84 100
49 142.5 115.8 173.6
51 45.1 36.9 55.3
86 63.1 52.4 78.6





#21

Allyl Chloride

Concen: 12.64 ppbv

RT: 4.49 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

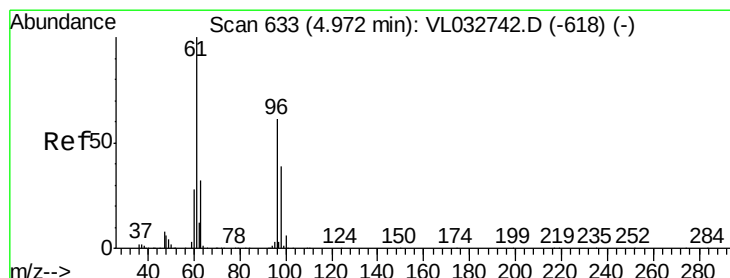
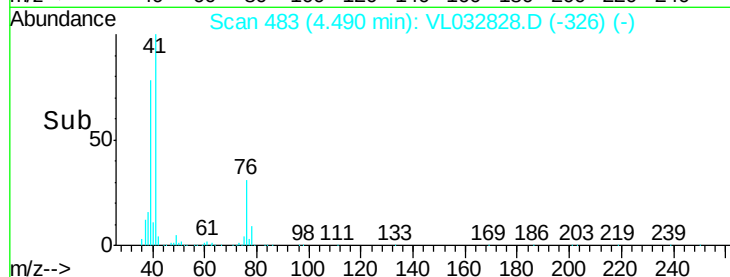
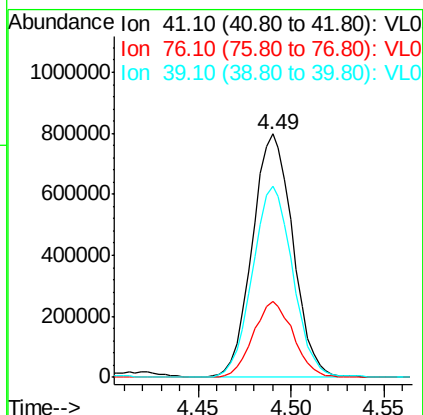
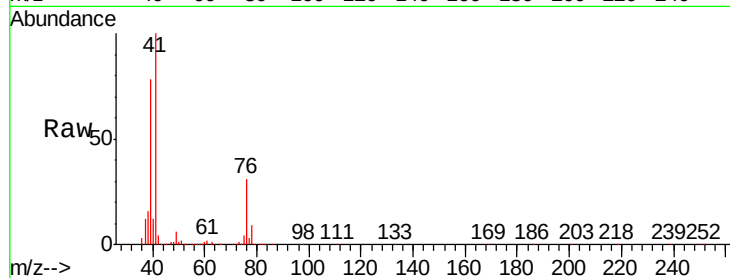
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	1204480
Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.4	36.6
39	78.8	63.5	95.3

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#22

trans-1,2-Dichloroethene

Concen: 12.54 ppbv

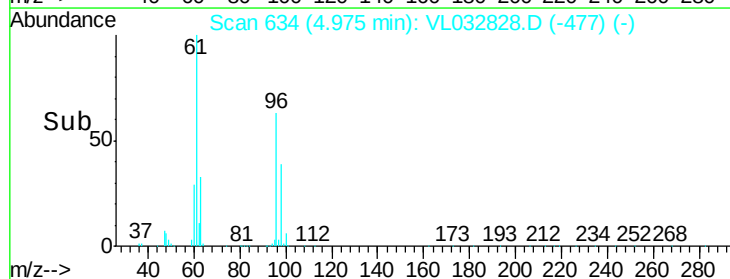
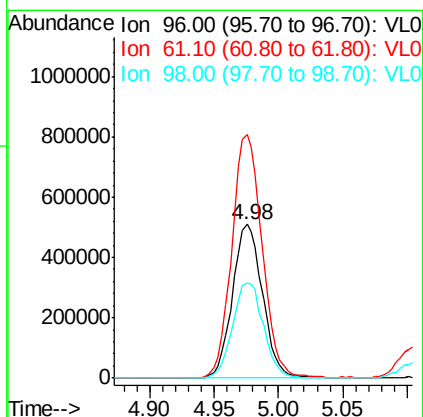
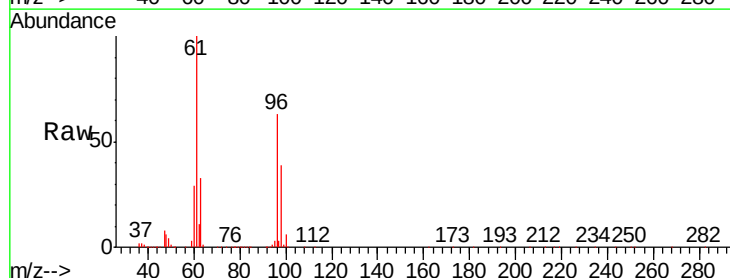
RT: 4.98 min Scan# 634

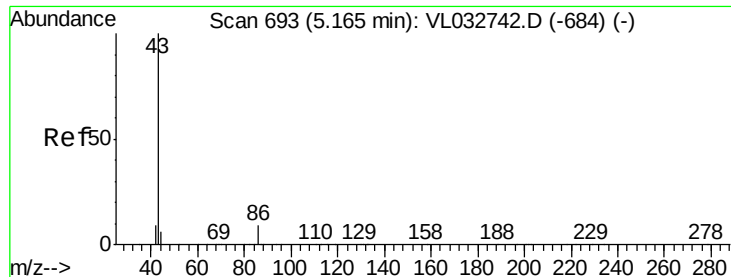
Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Tgt Ion:	96	Resp:	826836
Ion	Ratio	Lower	Upper
96	100		
61	158.6	130.2	195.2
98	62.0	50.2	75.2





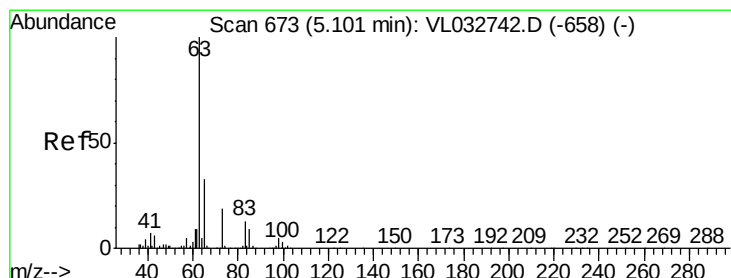
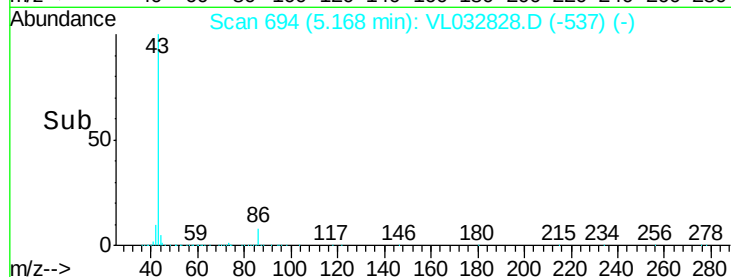
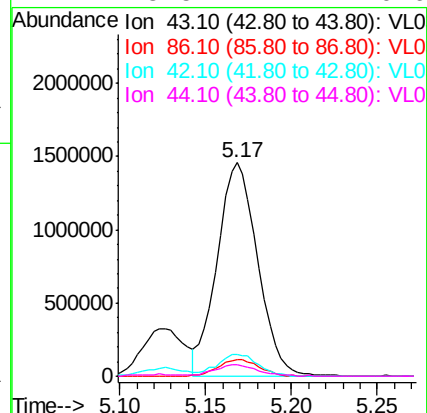
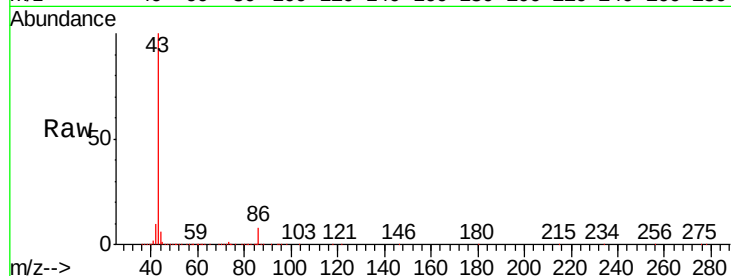
#23
 Vinyl Acetate
 Concen: 11.57 ppbv
 RT: 5.17 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.4
42	10.1	7.8	11.6
44	5.5	4.4	6.6

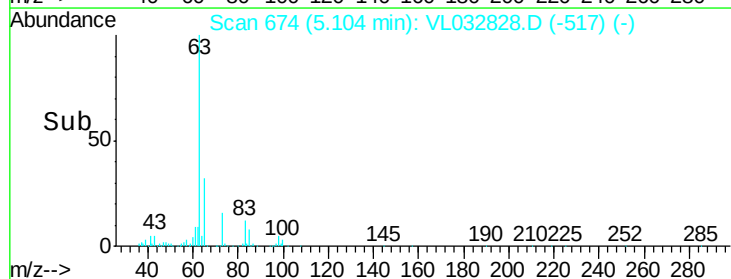
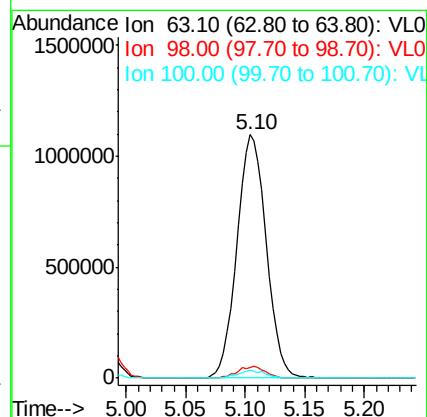
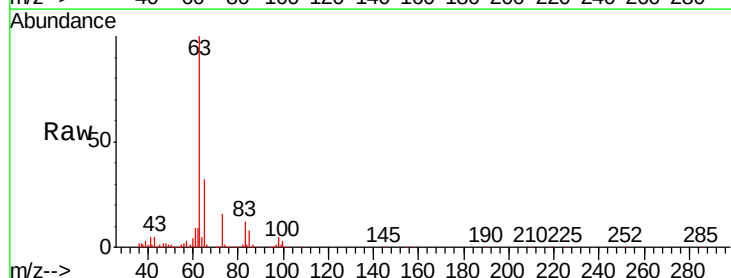
Manual Integrations
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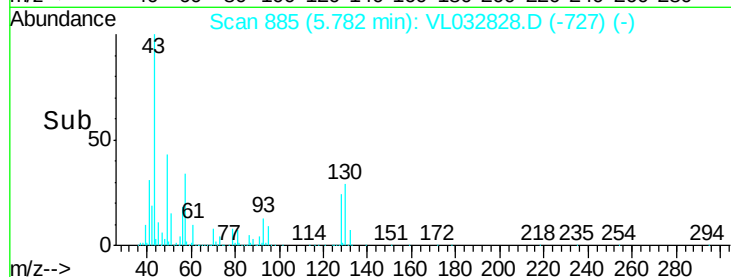
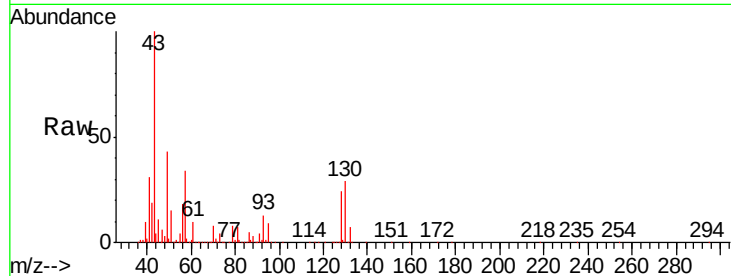
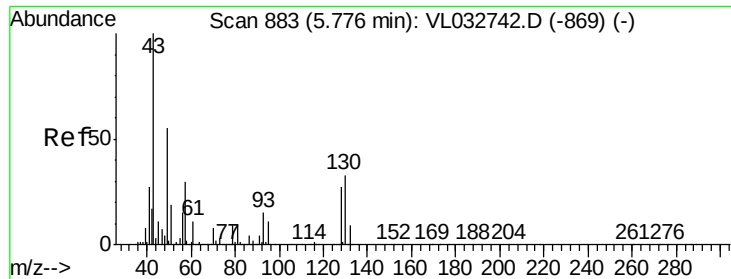
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#24
 1,1-Dichloroethane
 Concen: 11.40 ppbv
 RT: 5.10 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

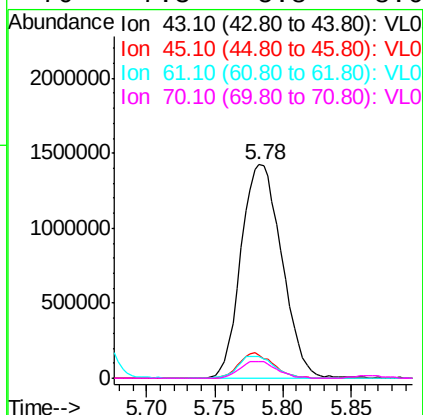
Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.2	1.4	4.2





#25
Ethyl Acetate
Concen: 11.16 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

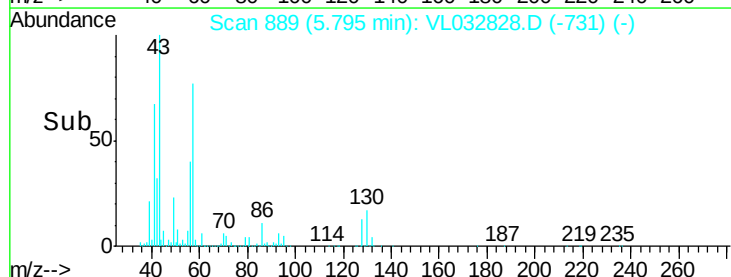
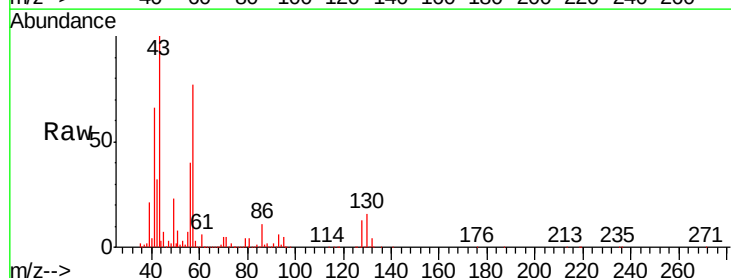
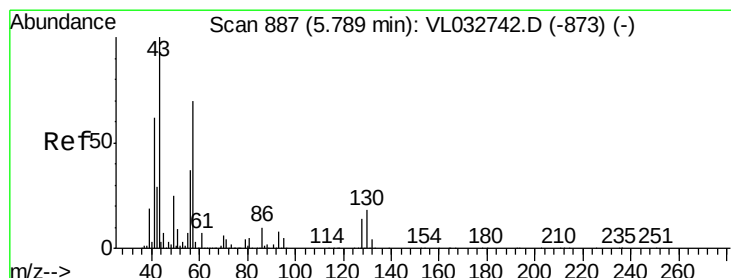
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.2	7.8	11.6
70	7.3	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

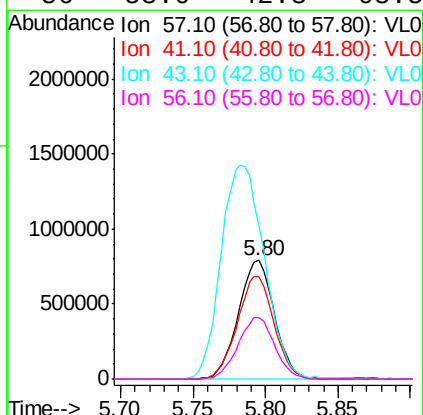
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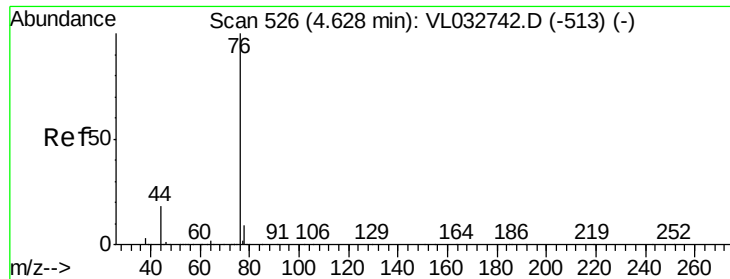
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#26
Hexane
Concen: 11.59 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.2	70.3	105.5
43	217.6	174.0	261.0
56	53.0	42.3	63.5





#27

Carbon Disulfide

Concen: 12.75 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1901325

Ion Ratio Lower Upper

76 100

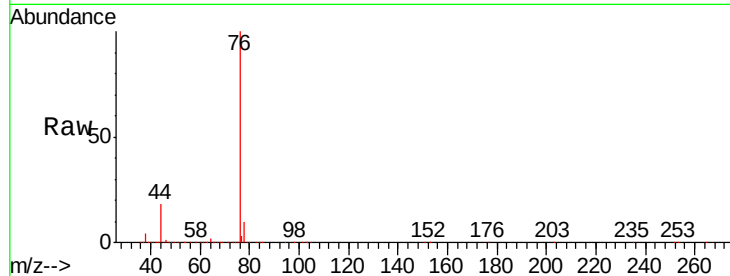
44 18.2 14.4 21.6

78 9.4 7.7 11.5

Manual Integrations
APPROVED

MMDadoda

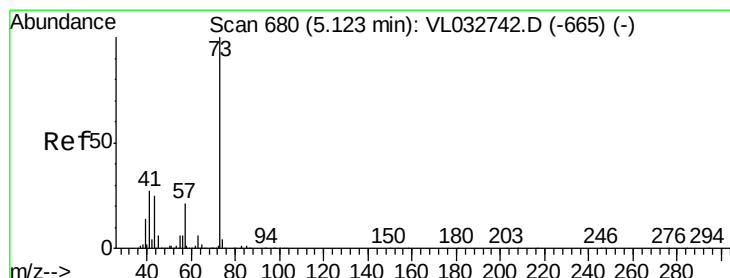
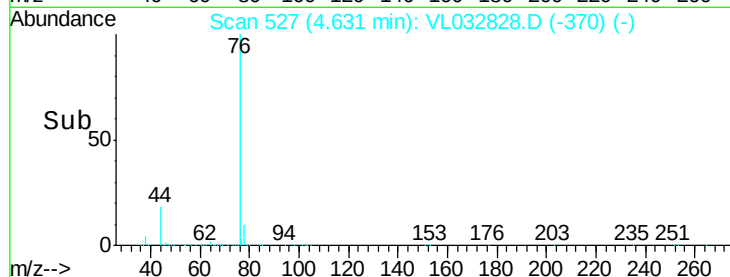
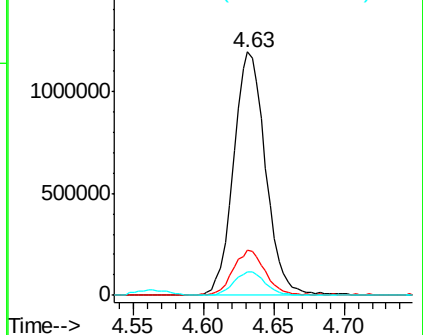
11/28/2018 4:21:43 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.14 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032828.D

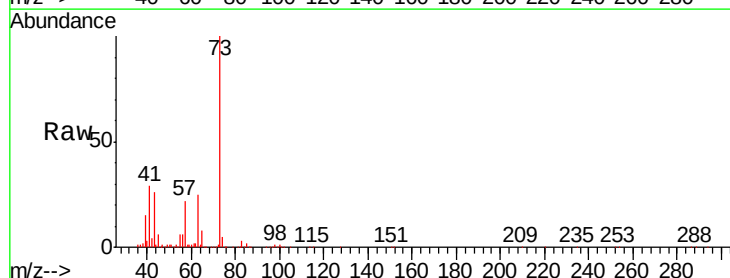
Acq: 28 Nov 2018 12:49

Tgt Ion: 73 Resp: 2276422

Ion Ratio Lower Upper

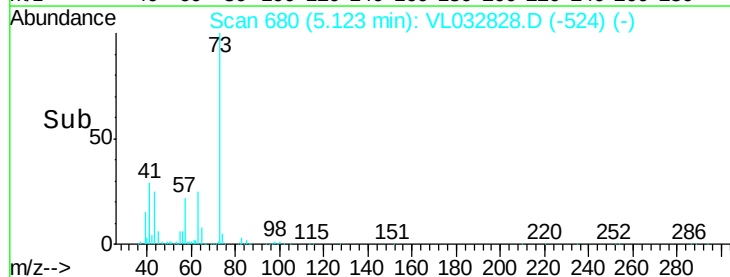
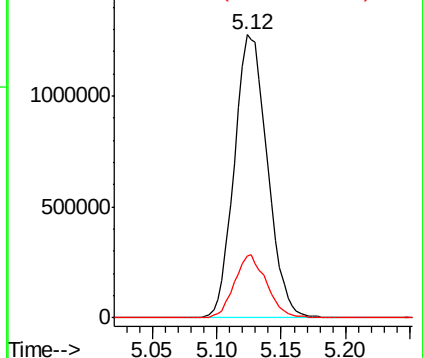
73 100

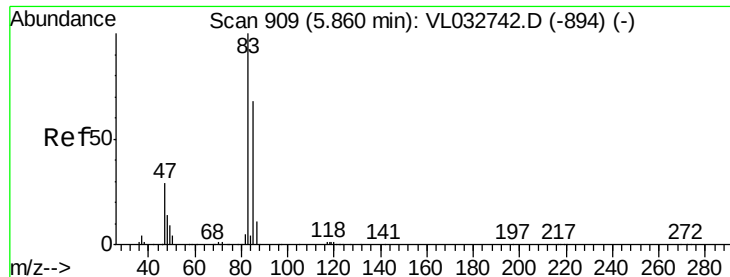
57 21.8 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





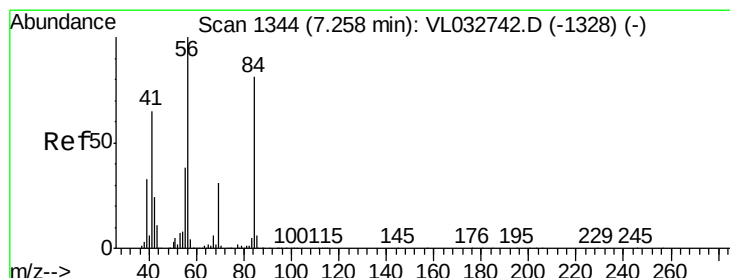
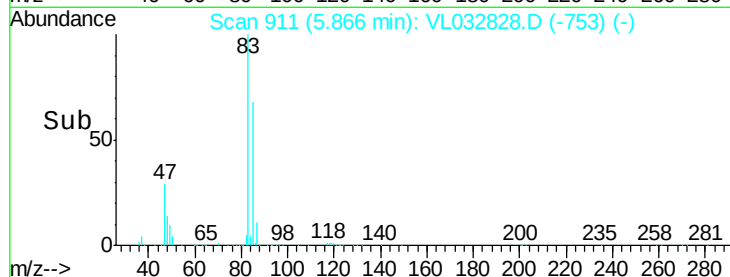
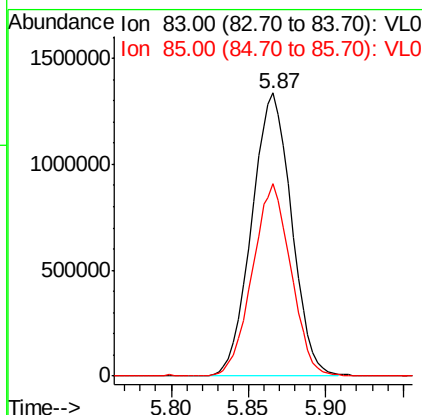
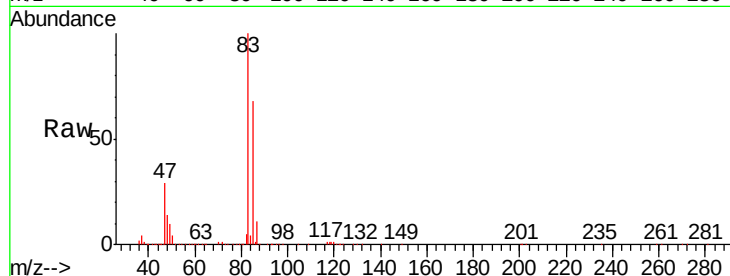
#29
Chloroform
Concen: 11.41 ppbv
RT: 5.87 min Scan# 911
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2391440
Ion Ratio Lower Upper
83 100
85 67.8 54.2 81.4

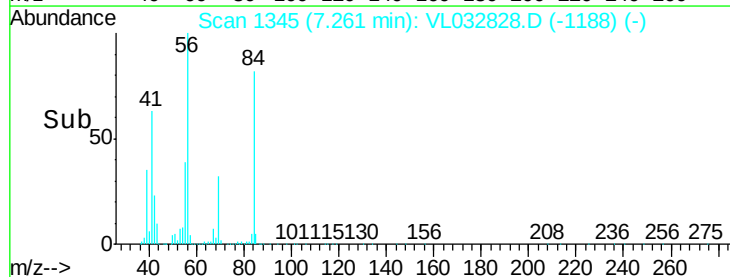
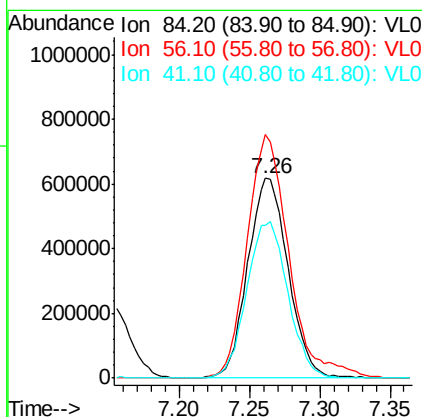
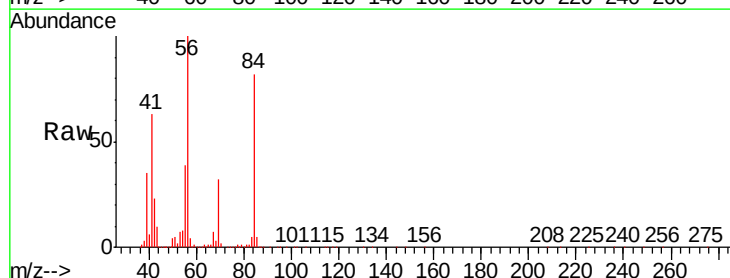
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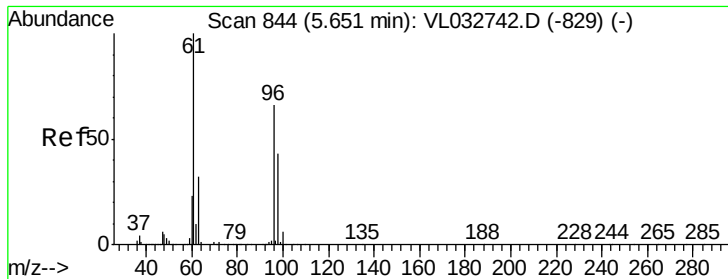
MMDadoda
11/28/2018 4:21:43 PM



#30
Cyclohexane
Concen: 12.01 ppbv
RT: 7.26 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 84 Resp: 1235769
Ion Ratio Lower Upper
84 100
56 127.1 105.0 157.4
41 80.2 65.3 97.9





#31

cis-1,2-Dichloroethene

Concen: 12.02 ppbv

RT: 5.66 min Scan# 846

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 61 Resp: 1421295

Ion Ratio Lower Upper

61 100

96 66.8 53.2 79.8

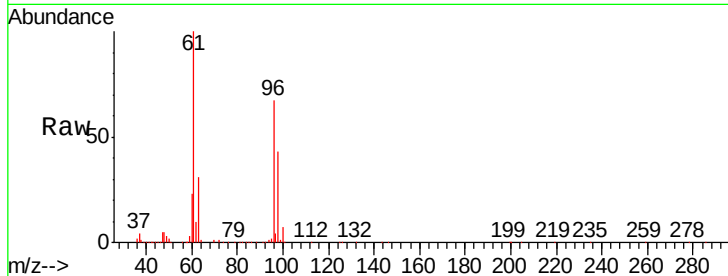
98 43.0 34.4 51.6

Manual Integrations

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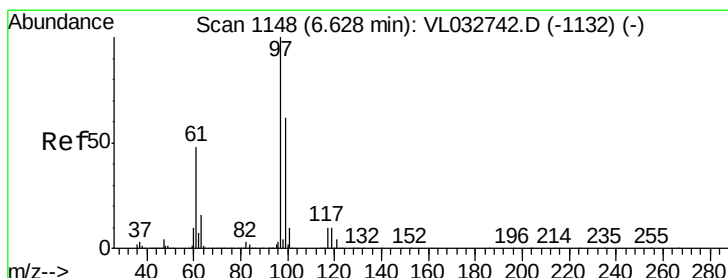
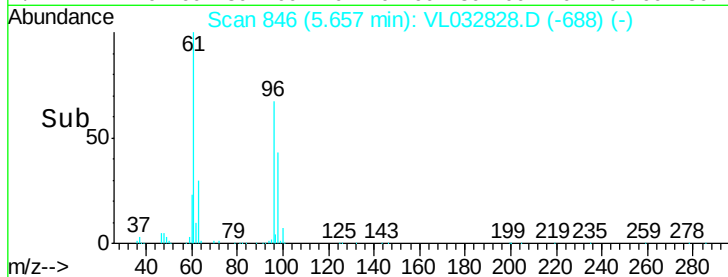
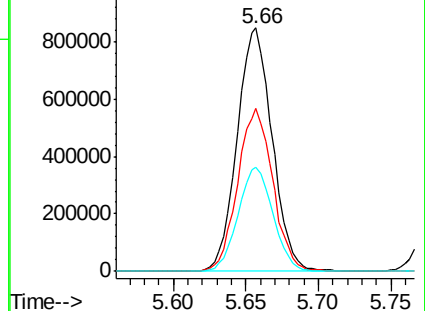
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.91 ppbv

RT: 6.64 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

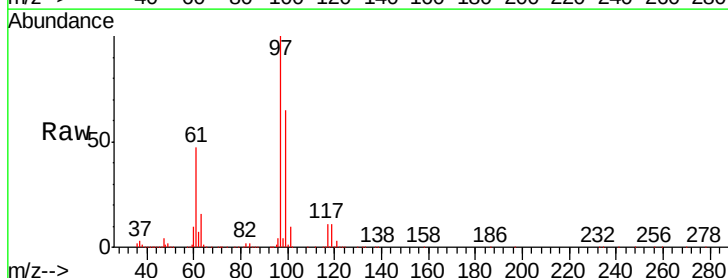
Tgt Ion: 97 Resp: 2506763

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

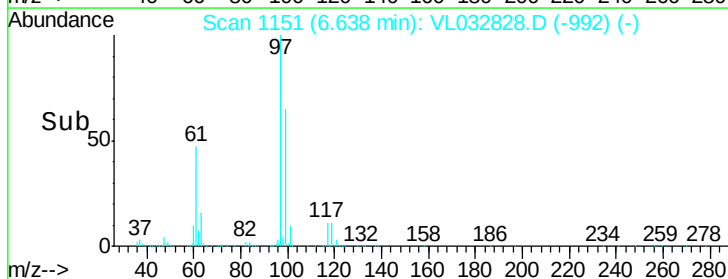
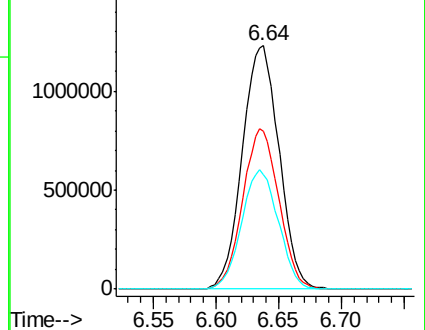
61 48.8 39.7 59.5

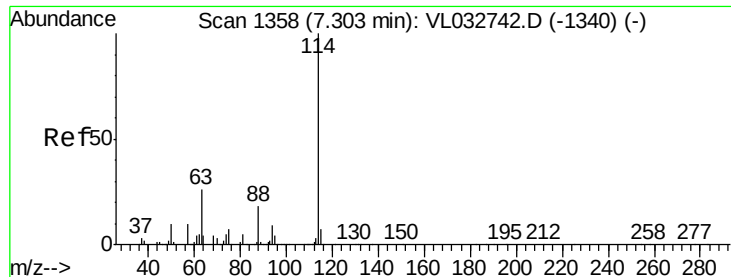


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





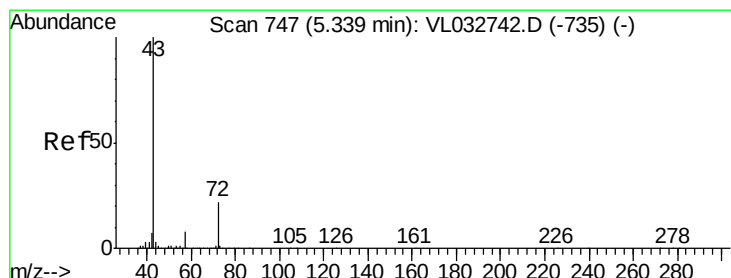
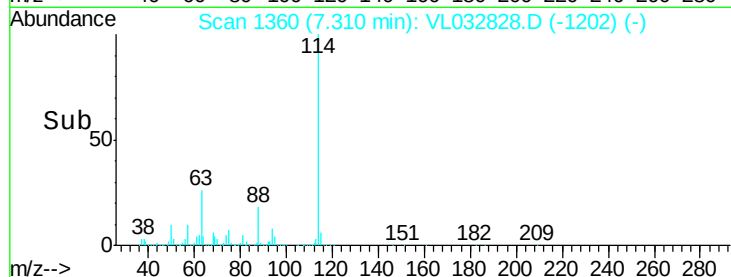
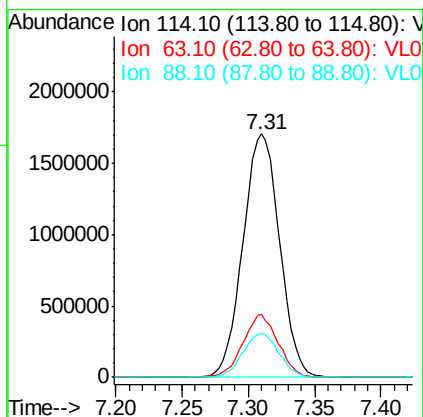
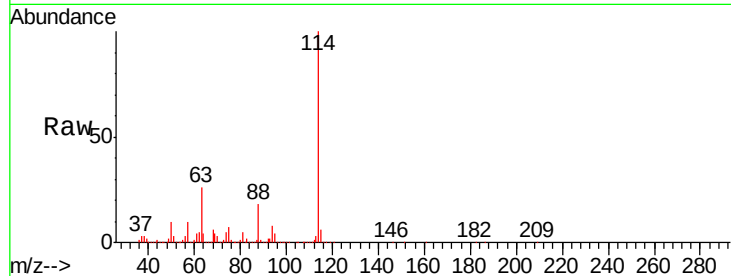
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 3278048
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.9 31.3
 88 17.7 14.4 21.6

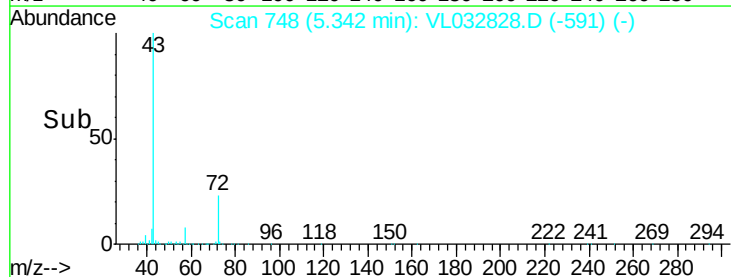
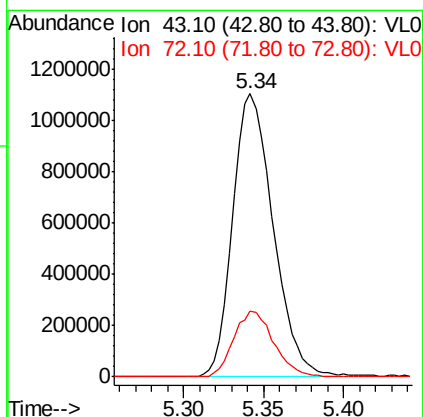
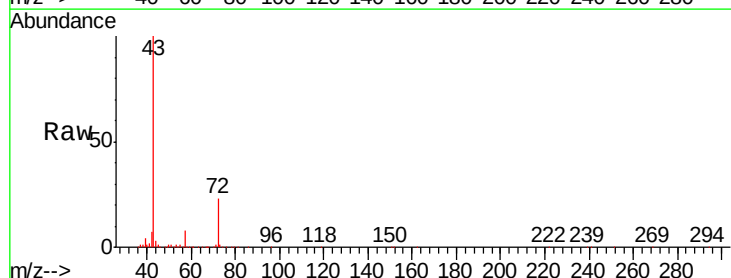
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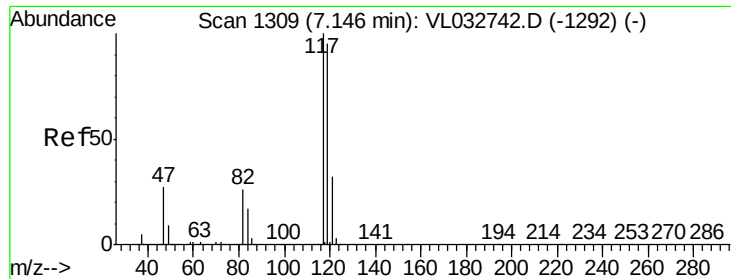
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#34
 2-Butanone
 Concen: 11.16 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 43 Resp: 1896791
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.45 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 2753435

Ion Ratio Lower Upper

117 100

119 94.0 76.1 114.1

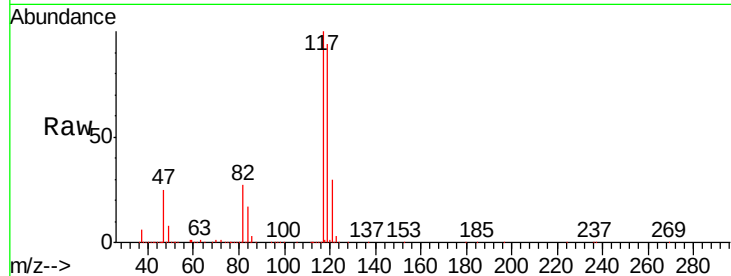
121 30.4 25.4 38.0

Manual Integrations

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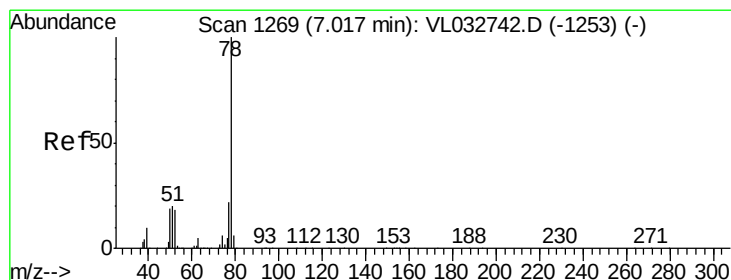
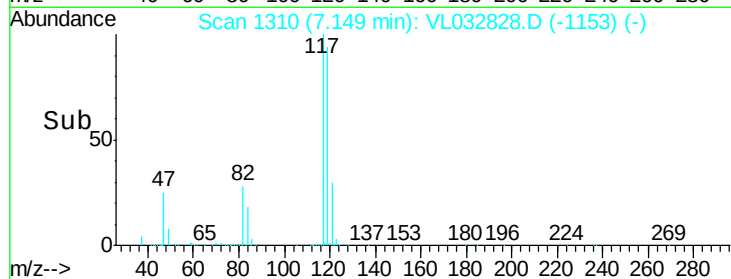
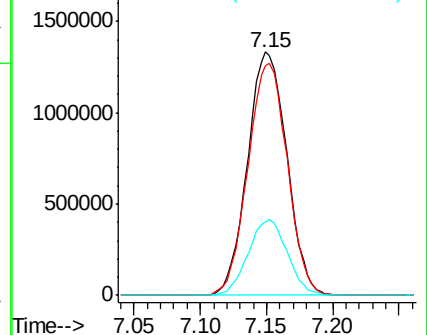
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.32 ppbv

RT: 7.02 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

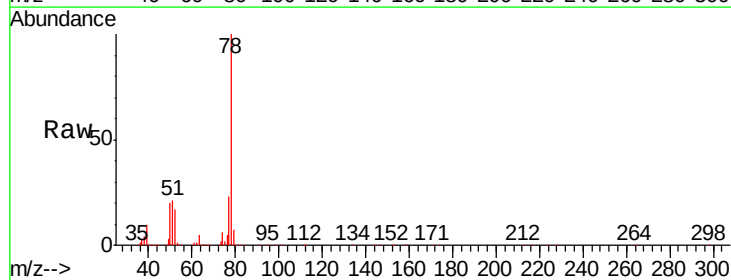
Tgt Ion: 78 Resp: 2955965

Ion Ratio Lower Upper

78 100

77 23.3 17.8 26.8

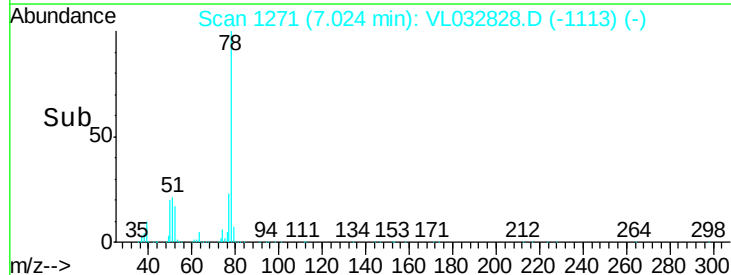
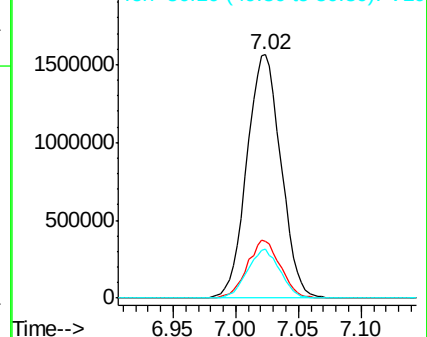
50 20.3 15.4 23.0

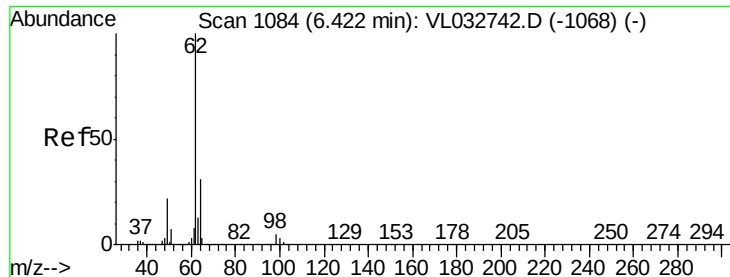


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





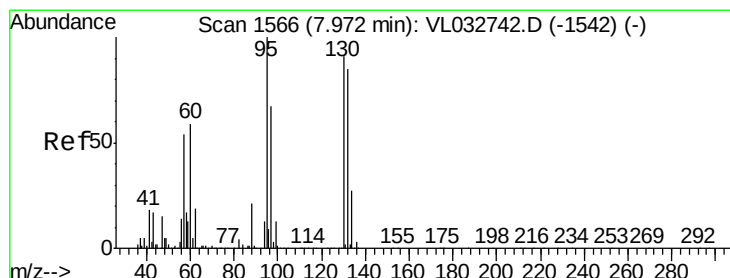
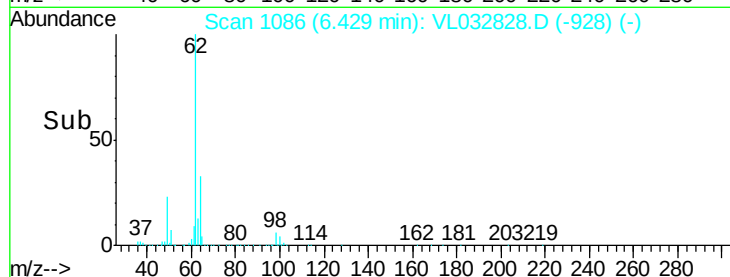
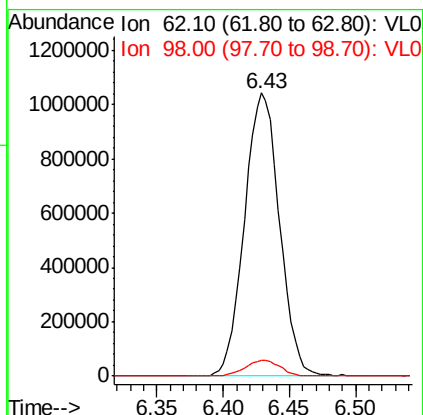
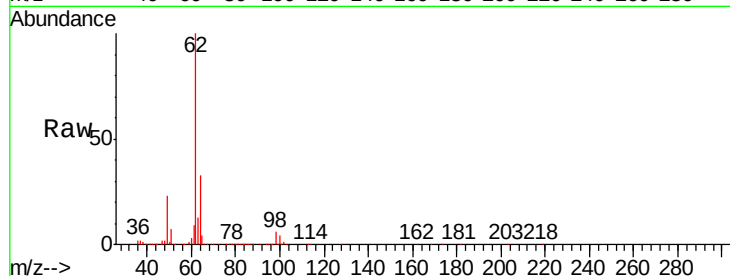
#37
 1,2-Dichloroethane
 Concen: 10.90 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1914678
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7

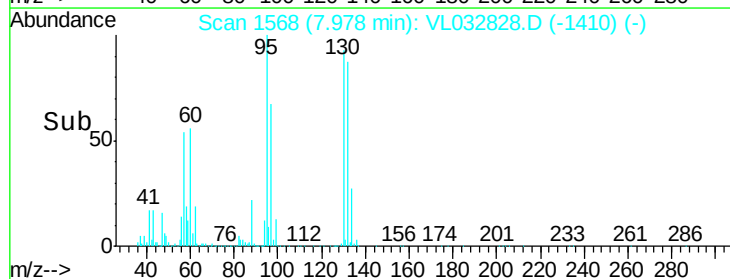
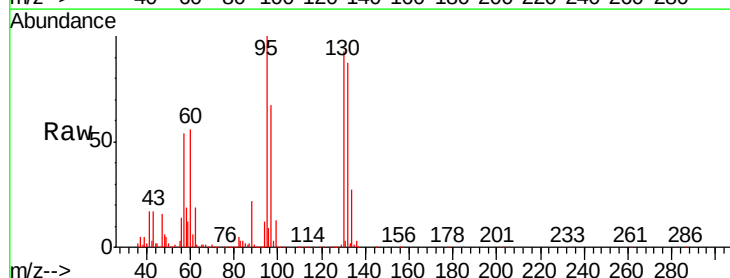
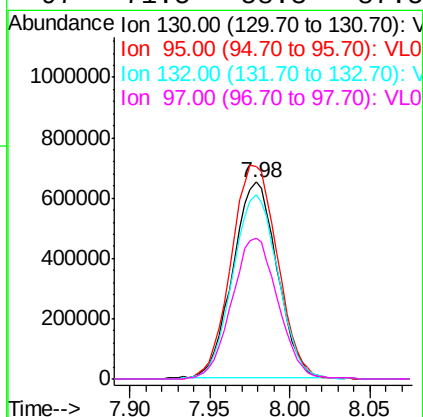
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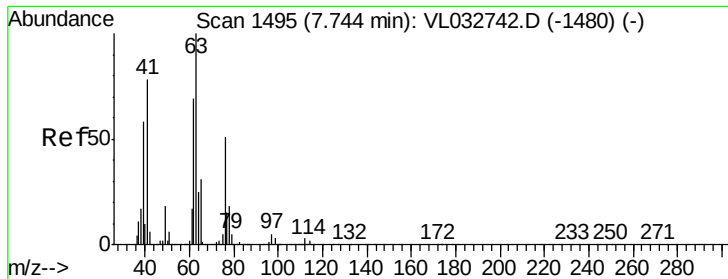
MMDadoda
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#38
 Trichloroethene
 Concen: 11.67 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 130 Resp: 1233281
 Ion Ratio Lower Upper
 130 100
 95 107.5 87.7 131.5
 132 93.4 74.6 111.8
 97 71.5 58.3 87.5





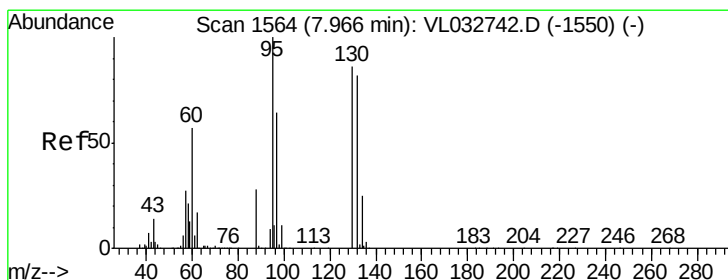
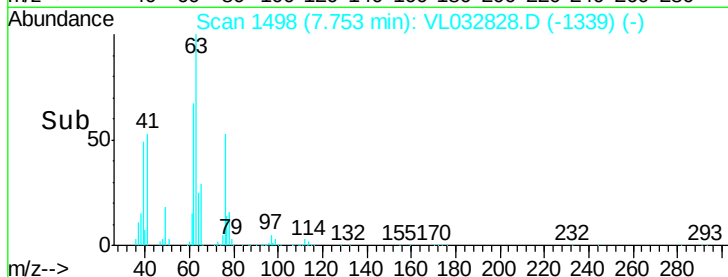
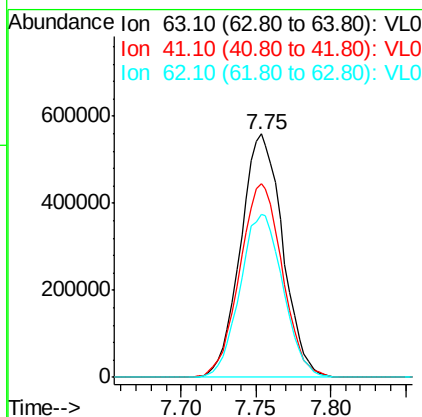
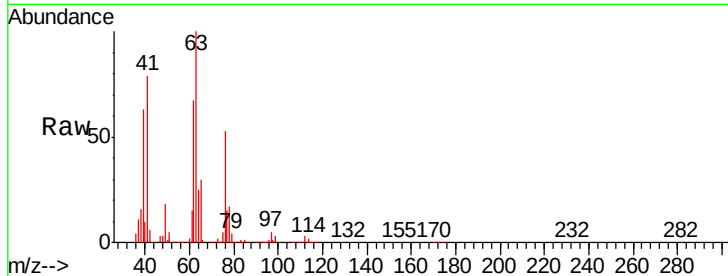
#39
 1,2-Dichloropropane
 Concen: 11.01 ppbv
 RT: 7.75 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 1094713
 Ion Ratio Lower Upper
 63 100
 41 79.3 62.0 93.0
 62 66.8 55.4 83.2

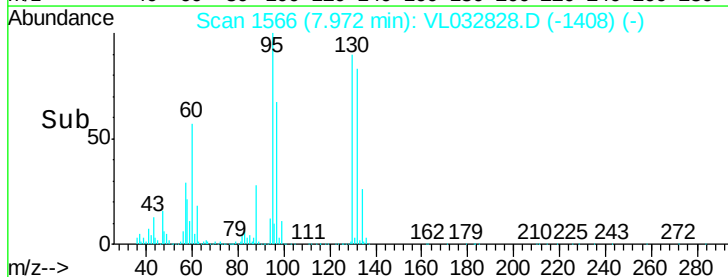
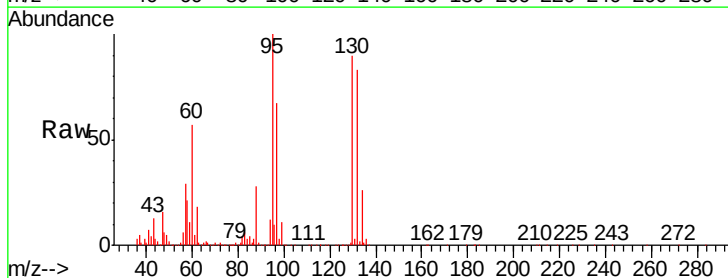
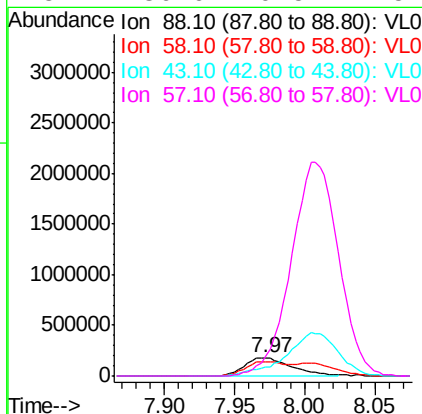
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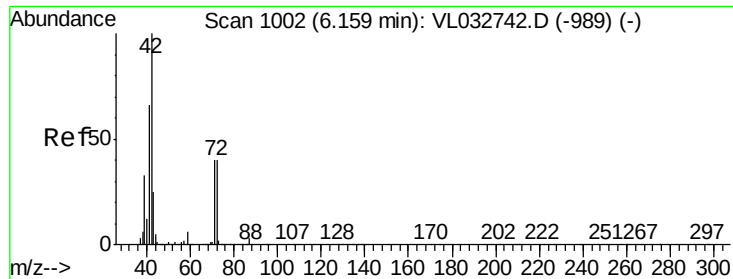
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#40
 1,4-Dioxane
 Concen: 11.81 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 88 Resp: 419510
 Ion Ratio Lower Upper
 88 100
 58 128.1 105.3 157.9
 43 261.3 226.1 339.1
 57 1186.0 1015.2 1522.8





#41

Tetrahydrofuran

Concen: 11.68 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

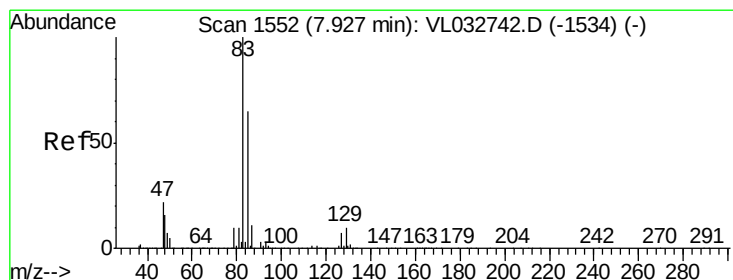
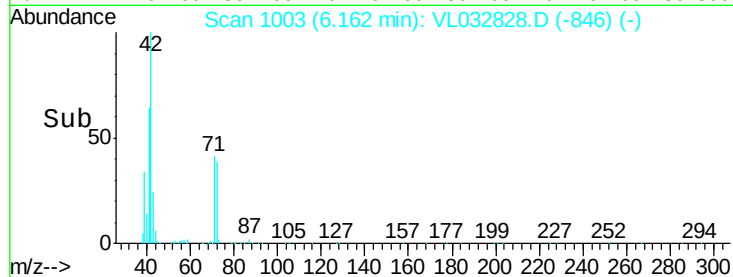
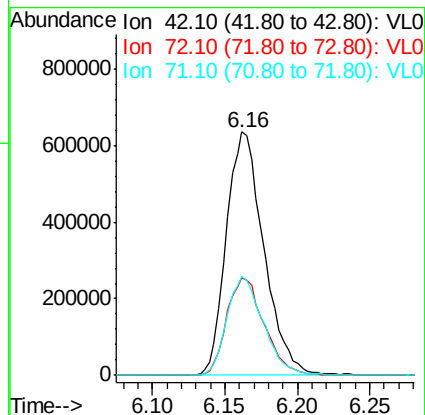
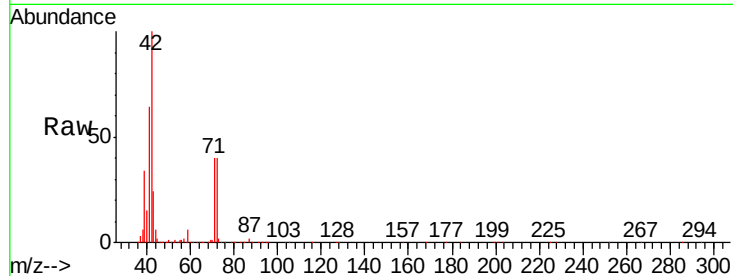
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	42	Resp:	1138656
Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.4	48.6
71	39.8	31.6	47.4

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#42

Bromodichloromethane

Concen: 11.09 ppbv

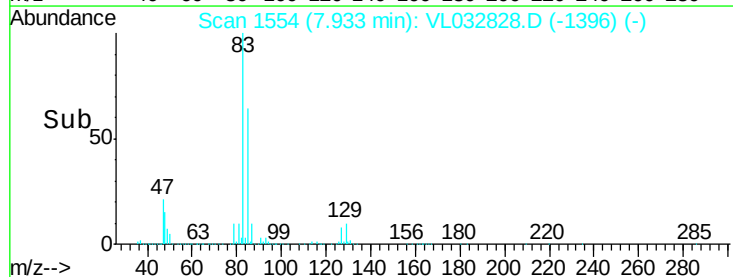
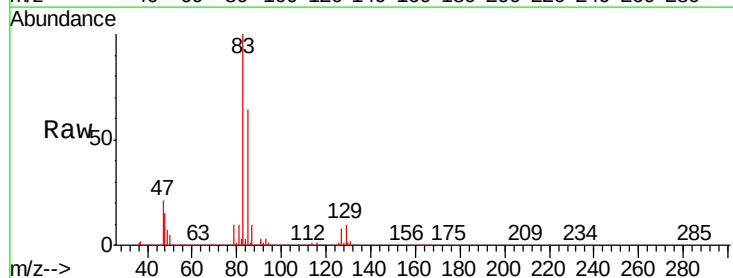
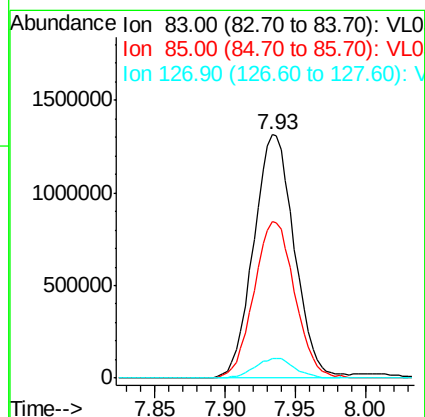
RT: 7.93 min Scan# 1554

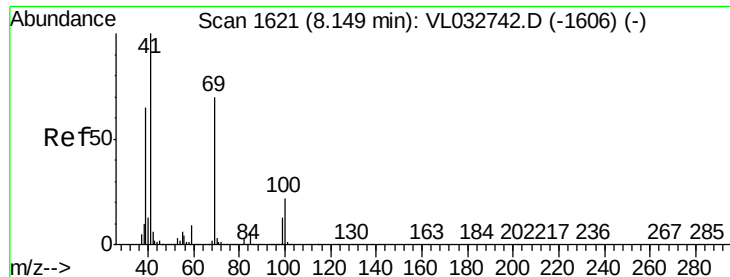
Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Tgt Ion:	83	Resp:	2641539
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8
127	8.2	5.9	8.9





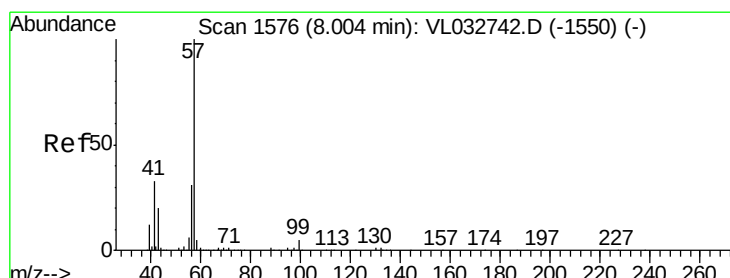
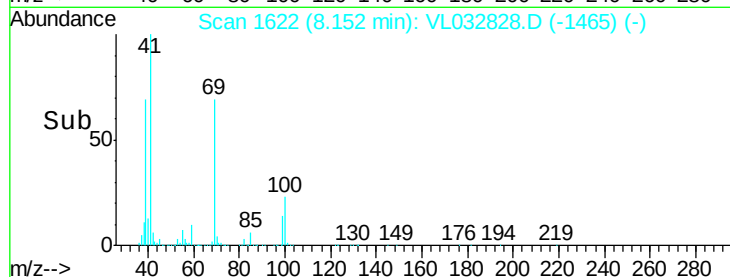
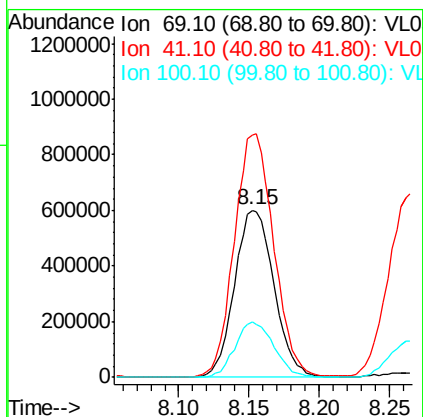
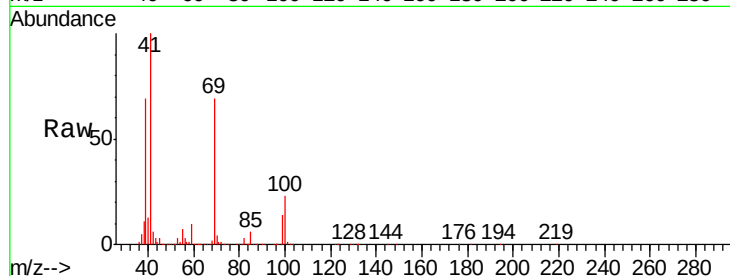
#43
Methyl Methacrylate
Concen: 12.08 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1177250
Ion Ratio Lower Upper
69 100
41 145.5 115.0 172.4
100 32.6 25.4 38.0

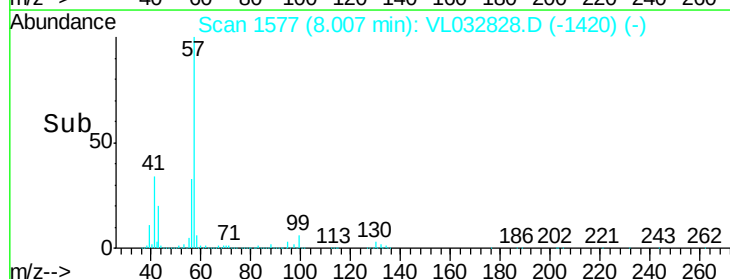
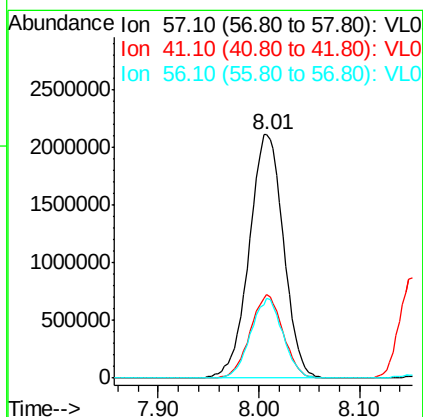
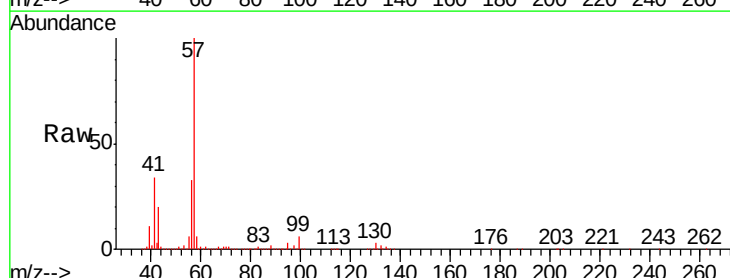
Manual Integrations
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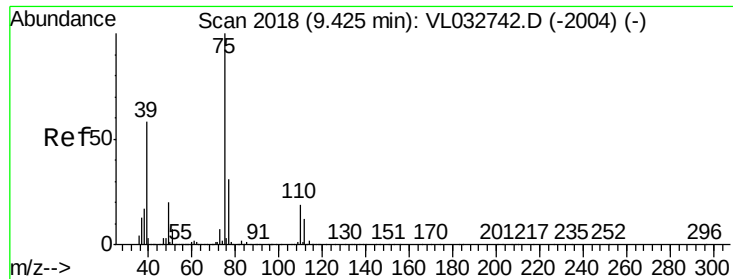
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#44
2,2,4-Trimethylpentane
Concen: 11.40 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 57 Resp: 4973146
Ion Ratio Lower Upper
57 100
41 32.8 26.6 39.8
56 30.8 24.8 37.2





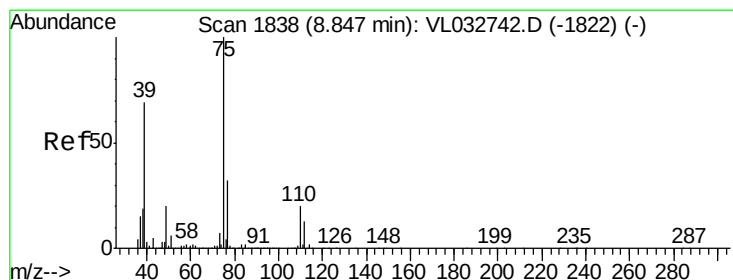
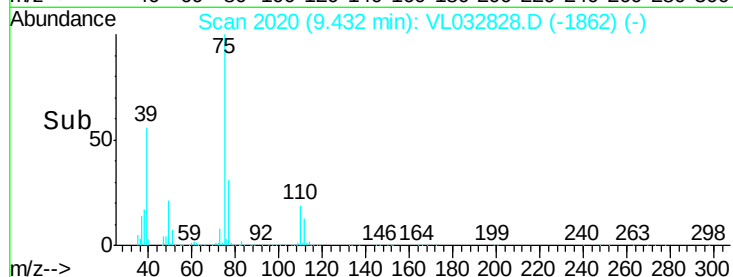
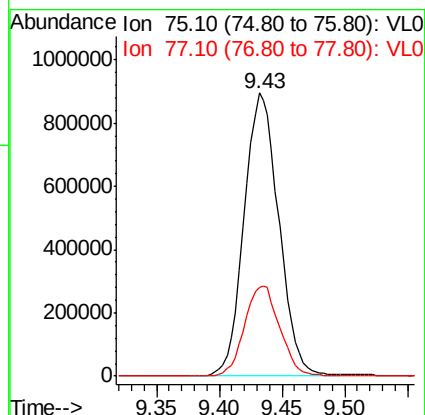
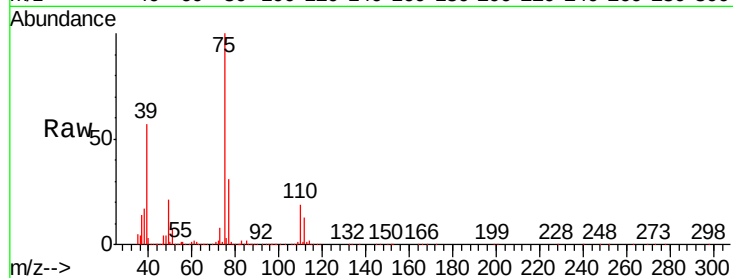
#45
t-1,3-Dichloropropene
Concen: 13.16 ppbv
RT: 9.43 min Scan# 2020
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1720768
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8

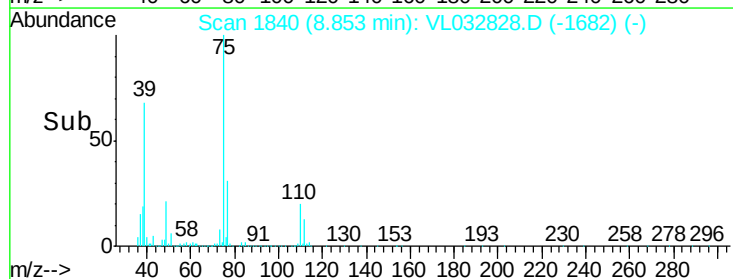
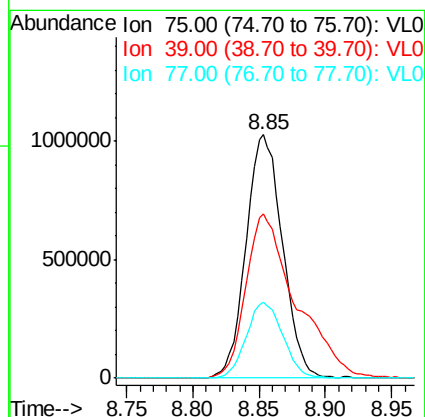
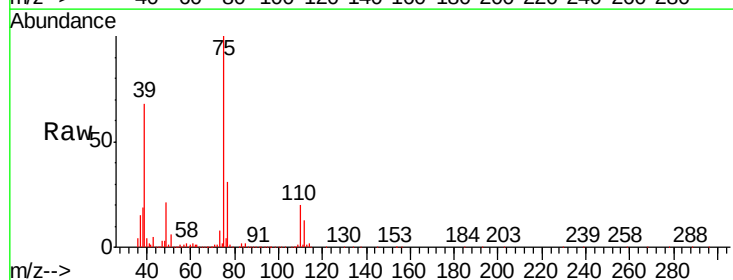
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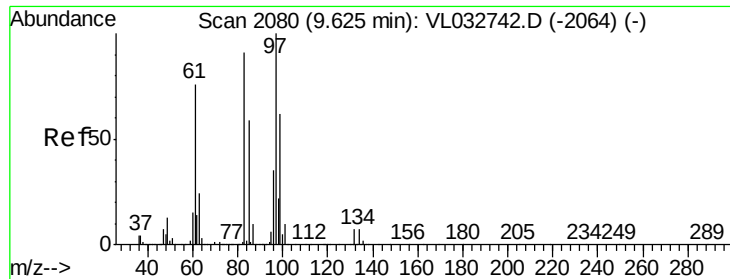
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 12.45 ppbv
RT: 8.85 min Scan# 1840
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 75 Resp: 1967627
Ion Ratio Lower Upper
75 100
39 67.6 55.2 82.8
77 31.1 25.8 38.6





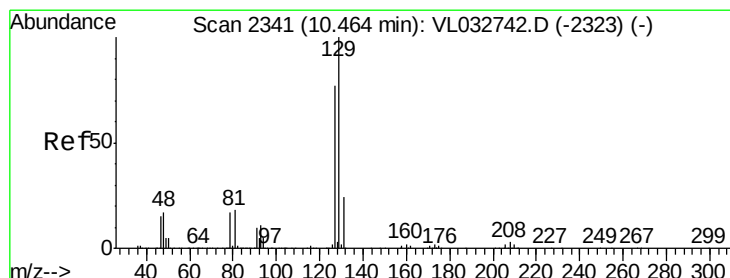
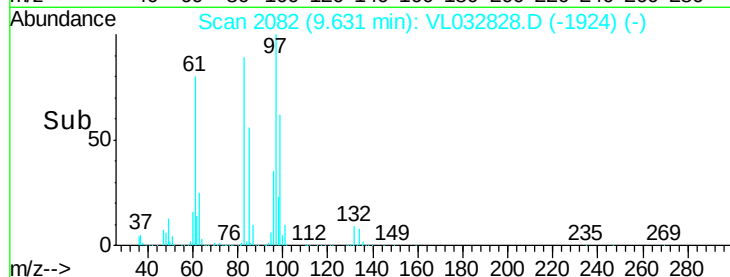
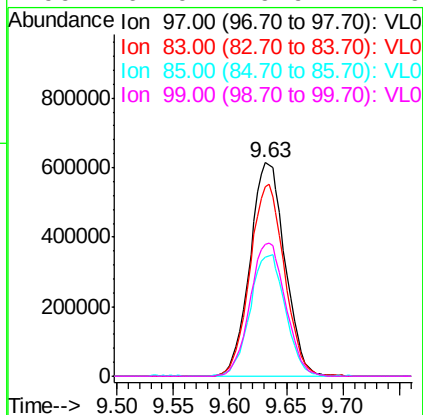
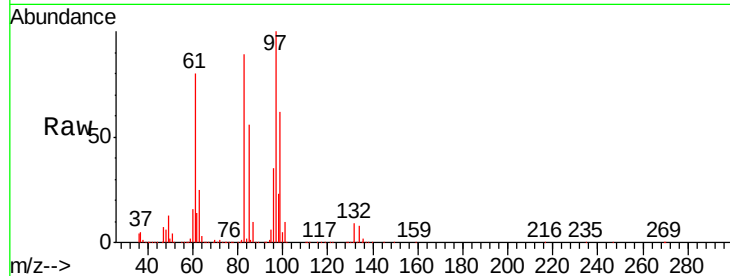
#47
 1,1,2-Trichloroethane
 Concen: 11.23 ppbv
 RT: 9.63 min Scan# 2082
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1320679
 Ion Ratio Lower Upper
 97 100
 83 88.5 73.0 109.4
 85 55.6 47.0 70.4
 99 62.0 49.9 74.9

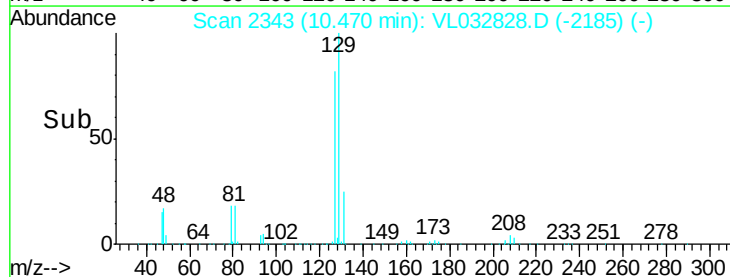
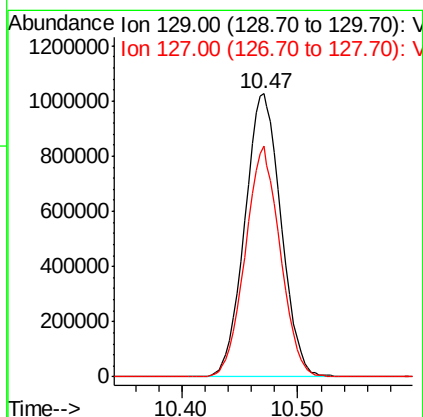
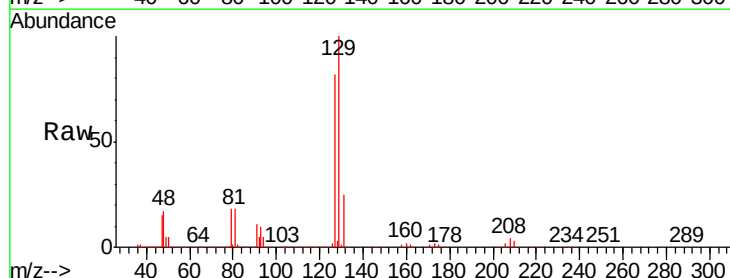
Manual Integrations
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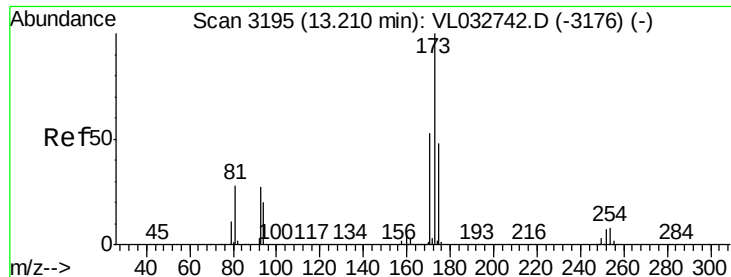
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.18 ppbv
 RT: 10.47 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 129 Resp: 2233743
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.0 117.0





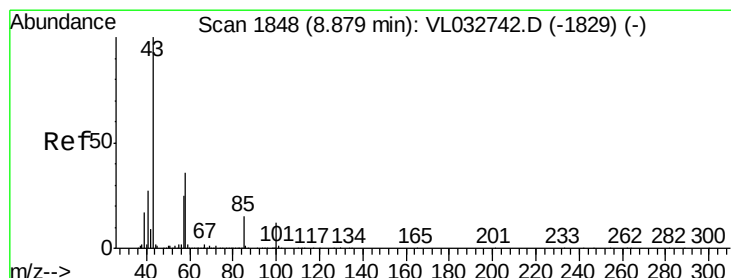
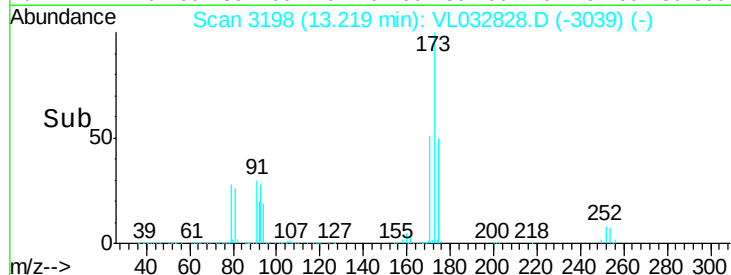
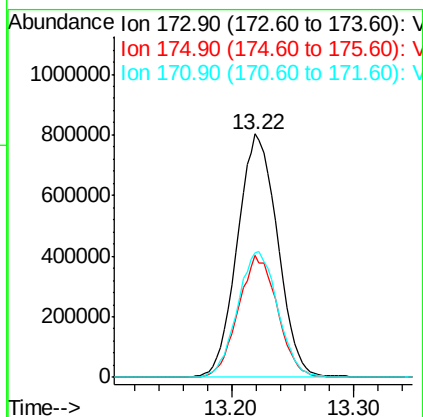
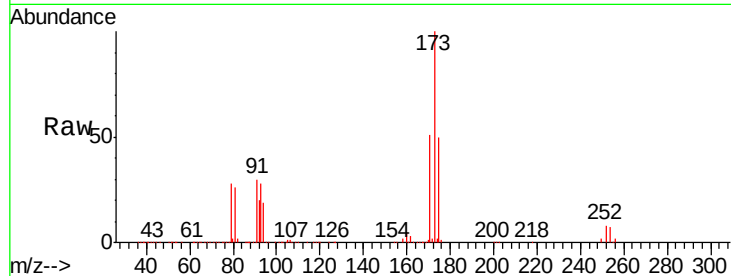
#49
Bromoform
Concen: 11.09 ppbv
RT: 13.22 min Scan# 3198
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1830286
Ion Ratio Lower Upper
173 100
175 48.7 39.4 59.0
171 51.9 42.0 63.0

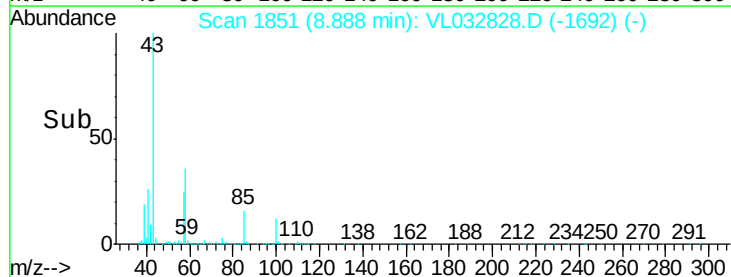
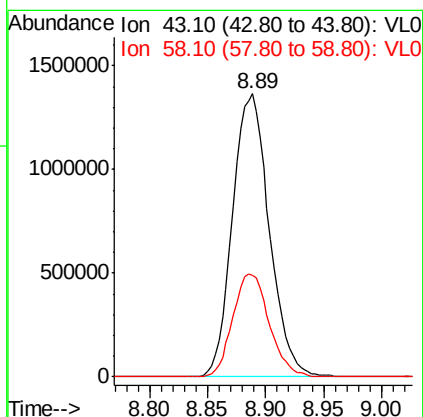
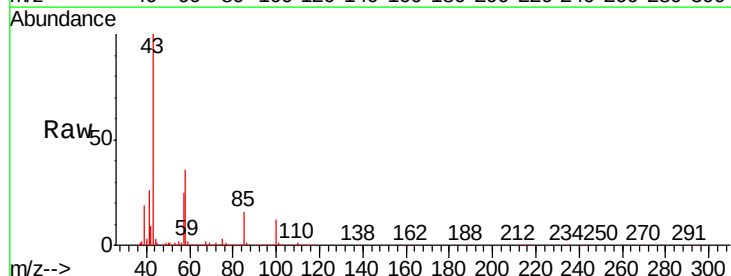
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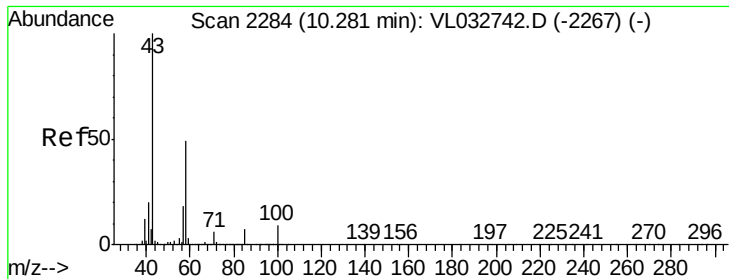
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.32 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 43 Resp: 3006967
Ion Ratio Lower Upper
43 100
58 36.3 28.8 43.2





#51

2-Hexanone

Concen: 12.08 ppbv

RT: 10.29 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

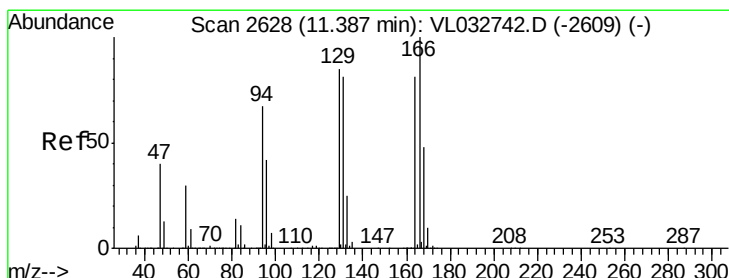
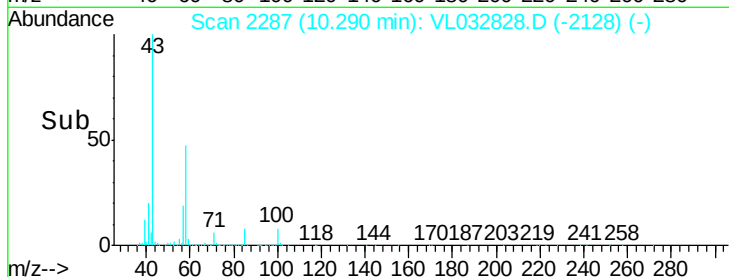
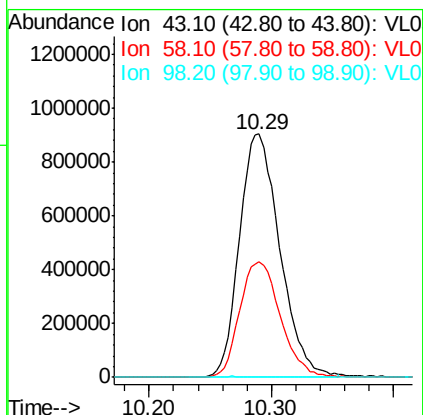
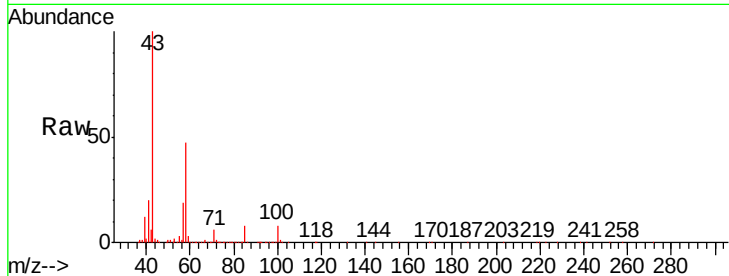
VSTDCCC010EC

Tgt Ion: 43 Resp: 2067341

Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.9	58.3
98	0.5	0.2	0.4

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#52

Tetrachloroethene

Concen: 11.85 ppbv

RT: 11.39 min Scan# 2630

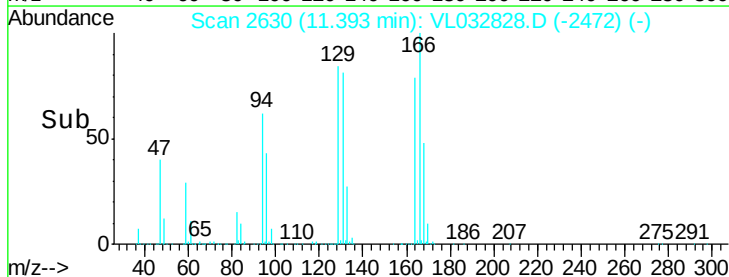
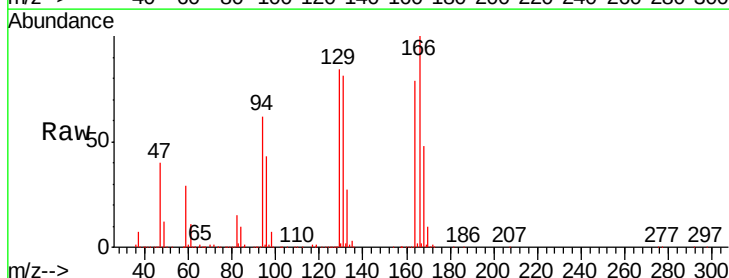
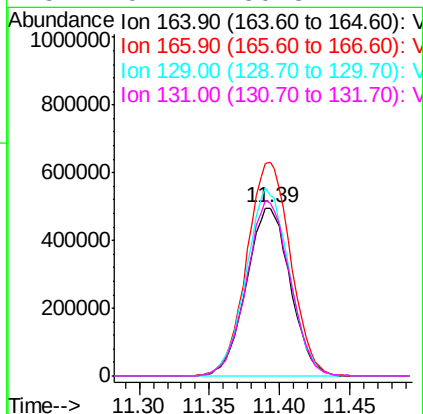
Delta R.T. 0.01 min

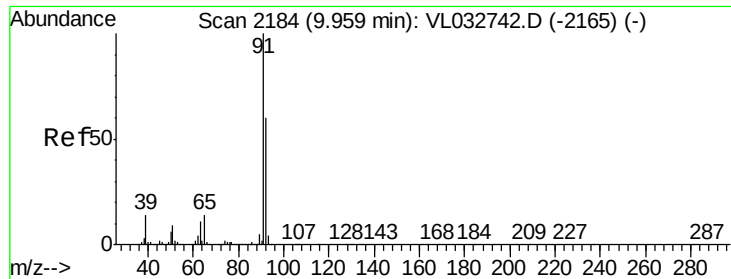
Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Tgt Ion: 164 Resp: 1076242

Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.3	148.9
129	107.1	83.9	125.9
131	102.7	80.8	121.2





#53

Toluene

Concen: 12.65 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3445471

Ion Ratio Lower Upper

91 100

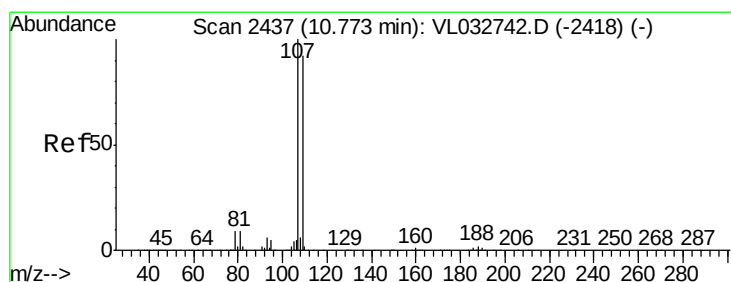
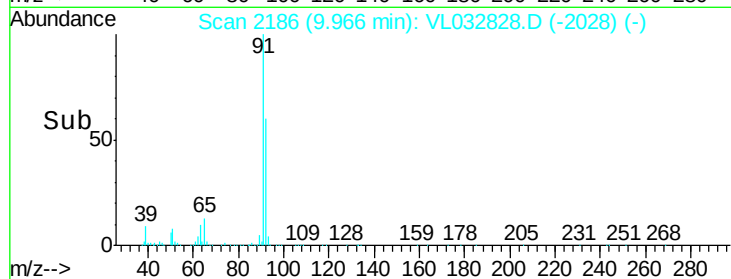
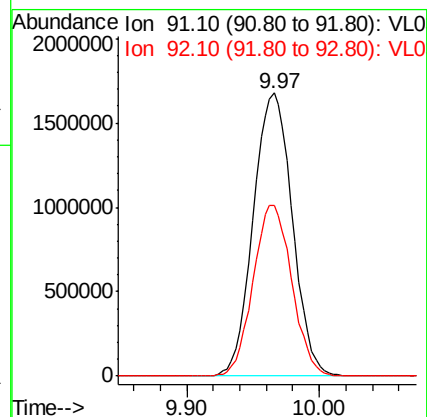
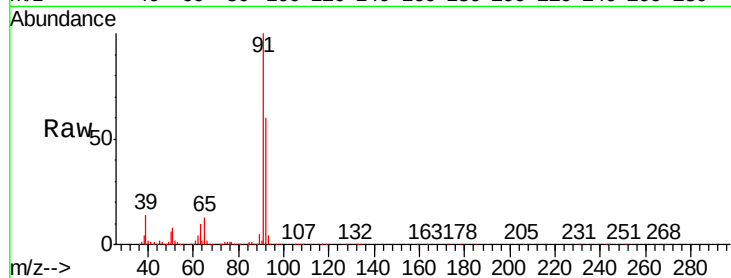
92 59.8 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 11.50 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032828.D

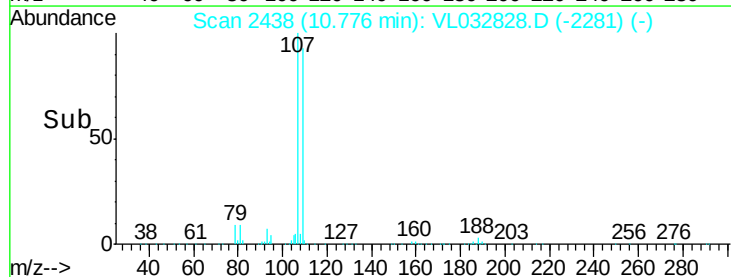
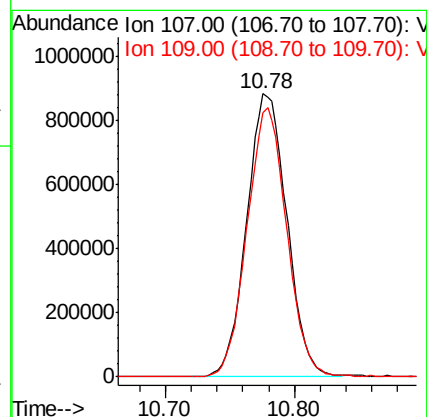
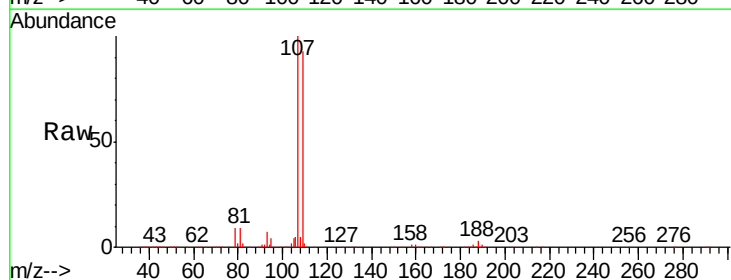
Acq: 28 Nov 2018 12:49

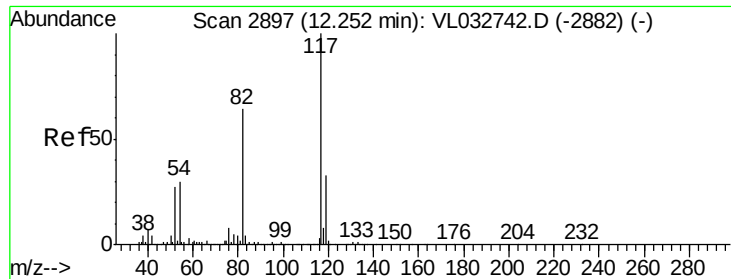
Tgt Ion: 107 Resp: 1912066

Ion Ratio Lower Upper

107 100

109 93.4 73.8 110.8





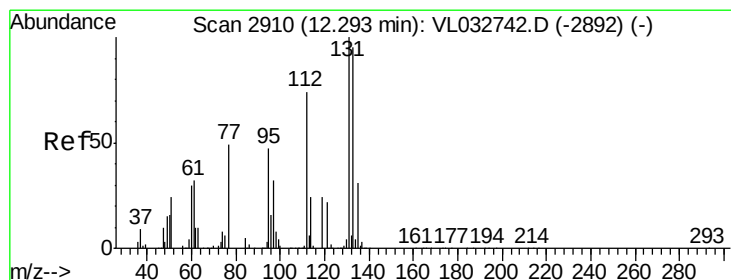
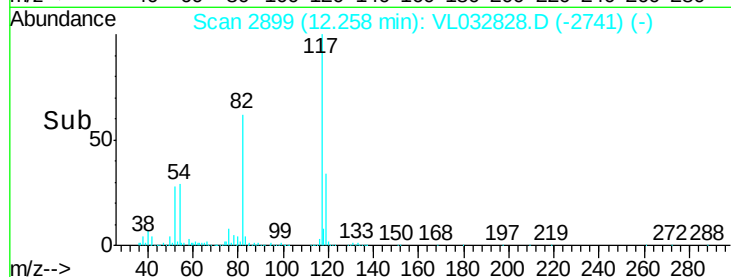
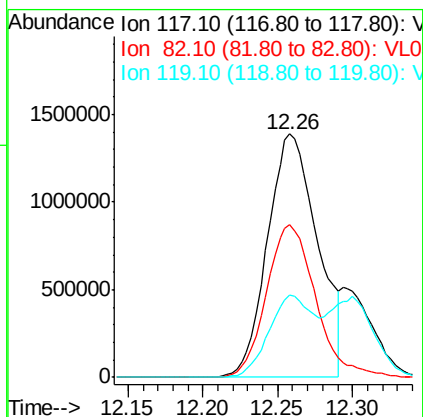
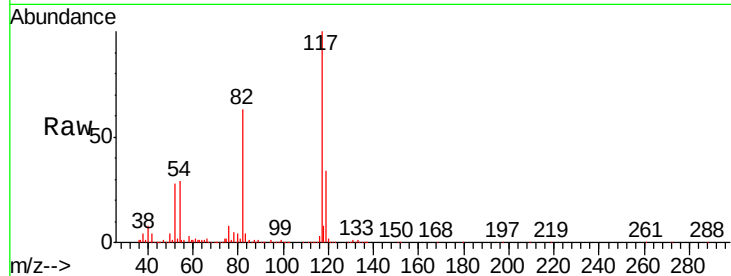
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3231747
Ion Ratio Lower Upper
117 100
82 62.0 51.0 76.6
119 27.7 28.0 42.0#

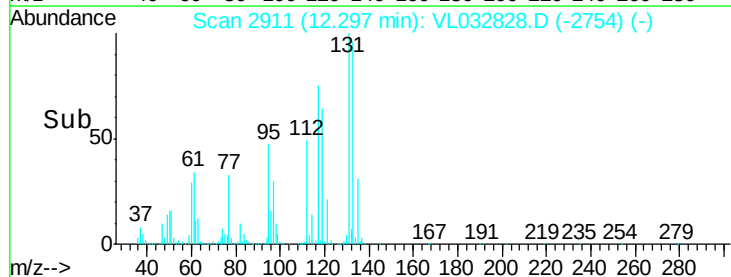
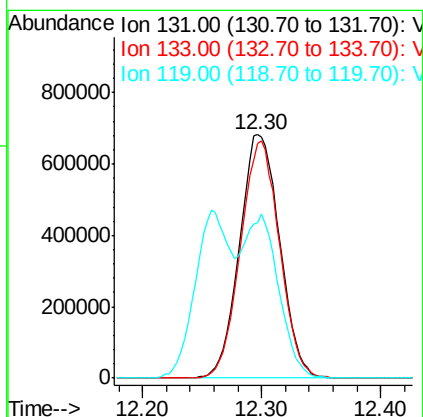
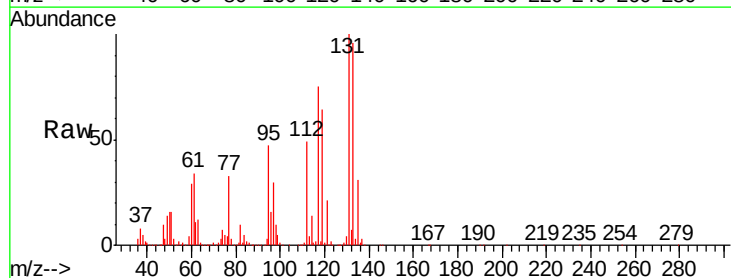
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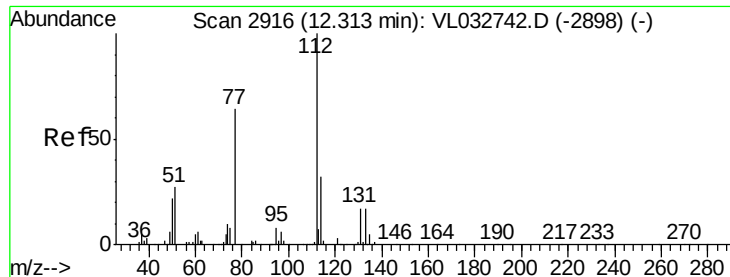
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.54 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion:131 Resp: 1589245
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.6
119 57.6 45.2 67.8





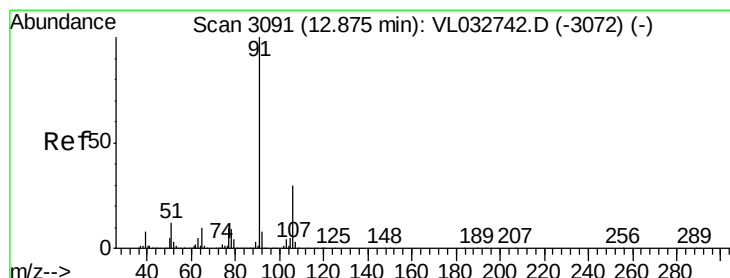
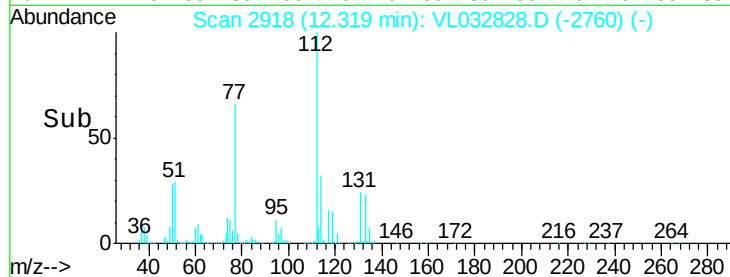
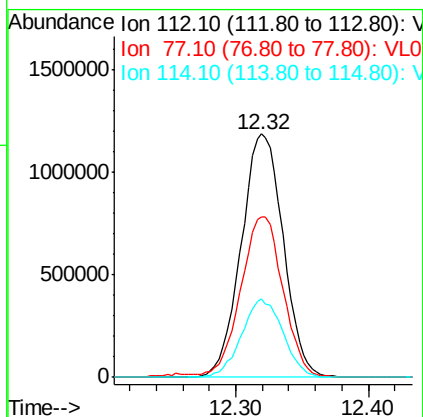
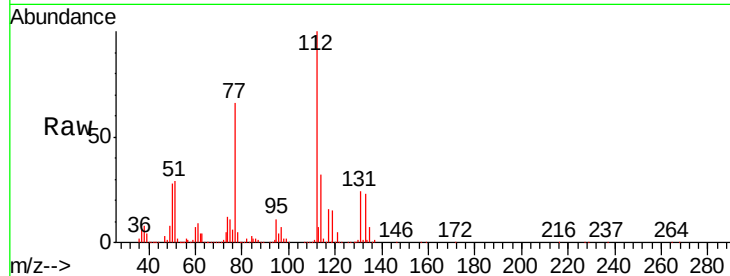
#57
Chlorobenzene
Concen: 10.58 ppbv
RT: 12.32 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2616699
Ion Ratio Lower Upper
112 100
77 65.9 52.3 78.5
114 31.9 28.4 34.8

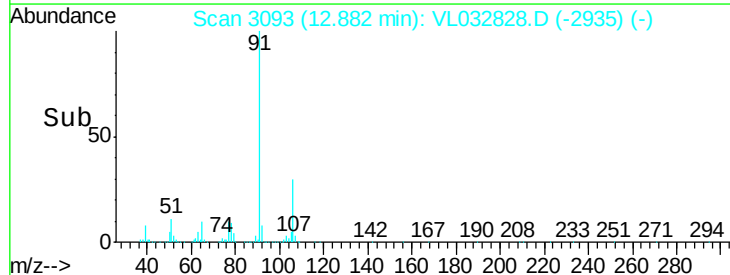
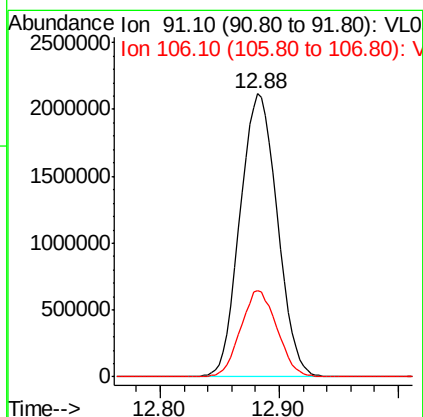
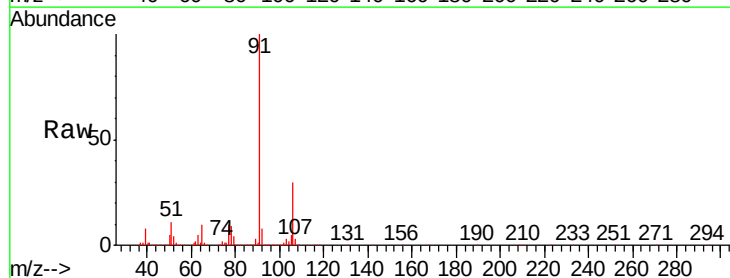
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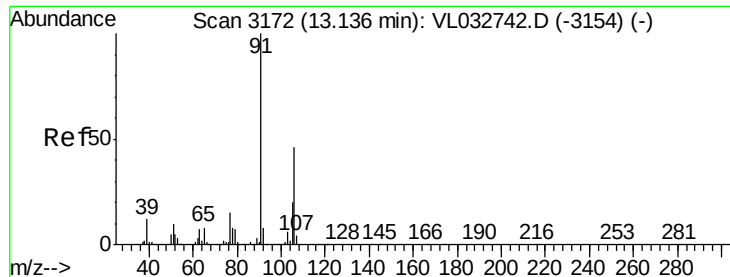
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#58
Ethyl Benzene
Concen: 11.81 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 4594543
Ion Ratio Lower Upper
91 100
106 30.4 23.6 35.4





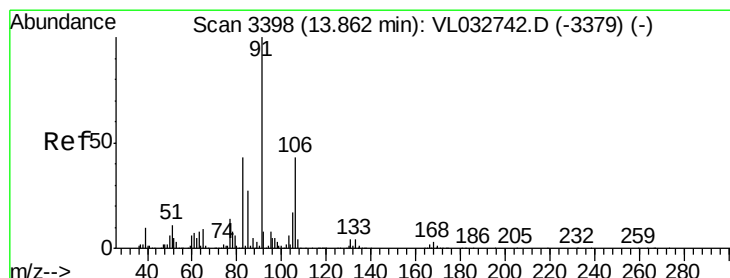
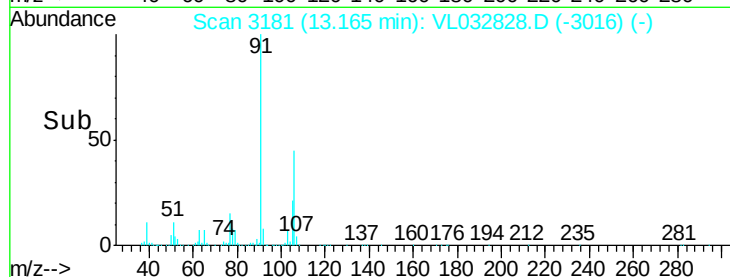
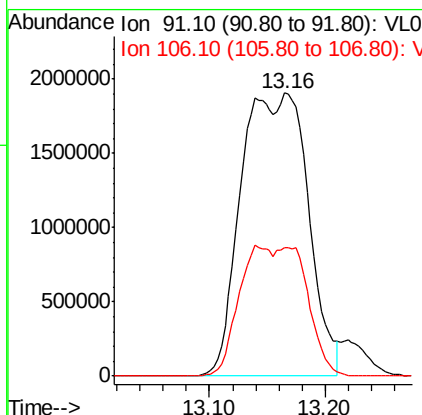
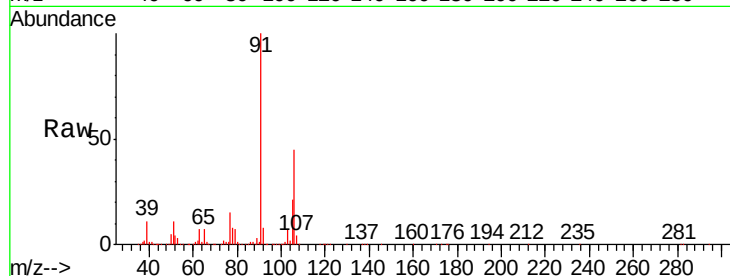
#59
m/p-Xylene
Concen: 22.06 ppbv m
RT: 13.16 min Scan# 3181
Delta R.T. 0.03 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 7639444
Ion Ratio Lower Upper
91 100
106 45.6 36.1 54.1

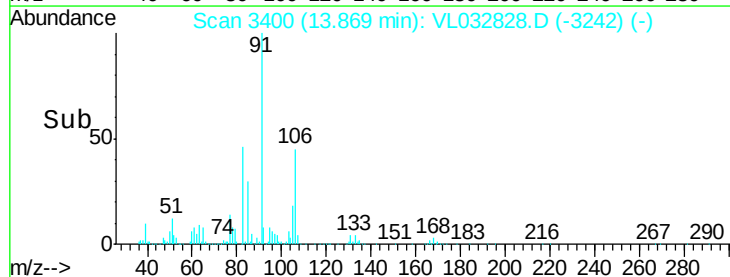
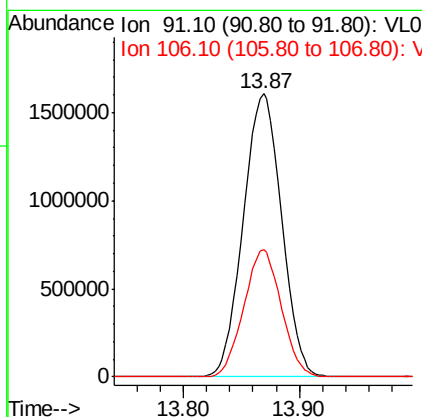
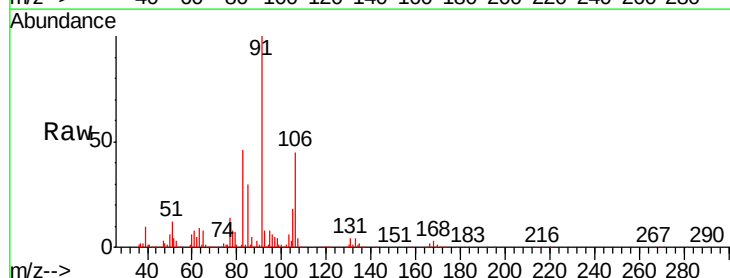
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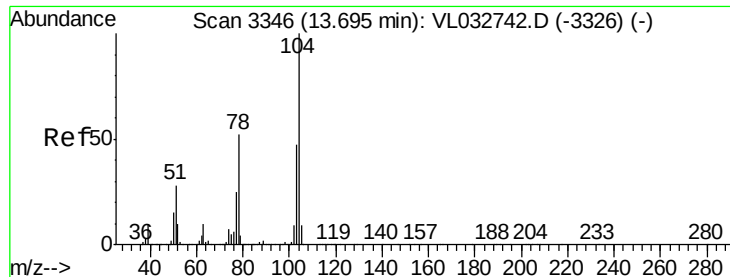
MMDadoda
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#60
o-Xylene
Concen: 10.64 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 3703279
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.7





#61

Styrene

Concen: 12.12 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 2746192

Ion Ratio Lower Upper

104 100

78 51.7 42.2 63.4

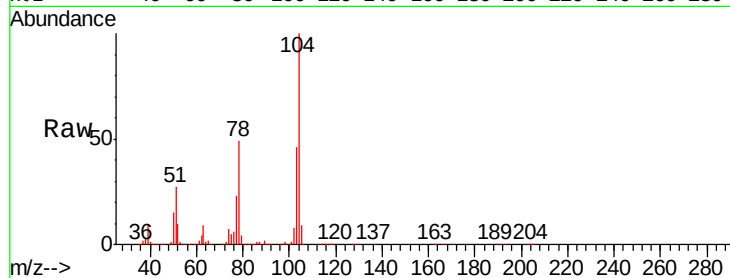
103 48.0 38.2 57.2

Manual Integrations

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MMDadoda

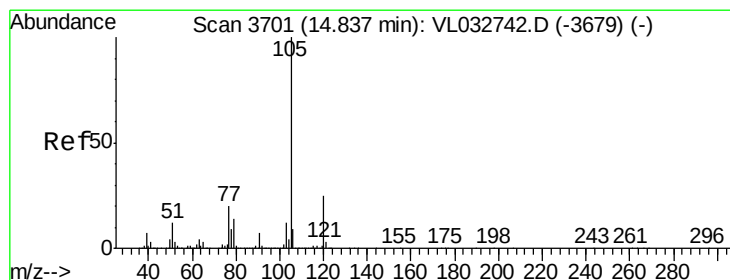
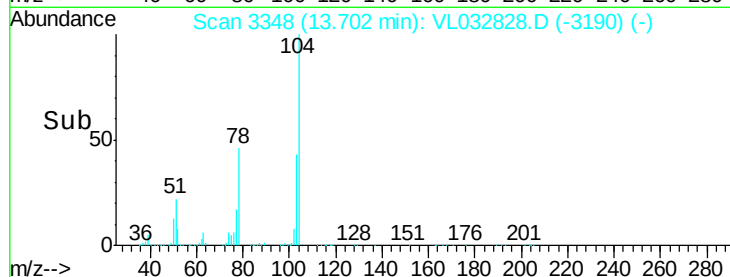
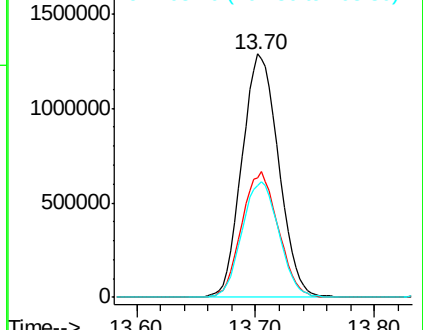
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 11.03 ppbv

RT: 14.84 min Scan# 3703

Delta R.T. 0.01 min

Lab File: VL032828.D

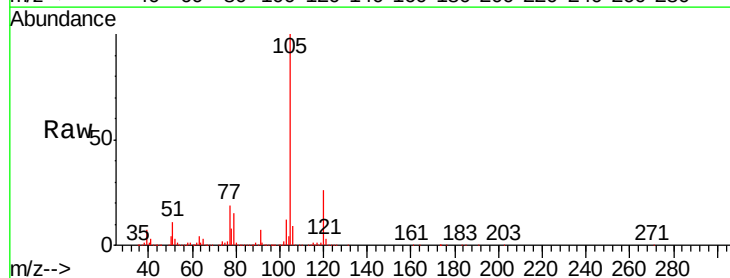
Acq: 28 Nov 2018 12:49

Tgt Ion:105 Resp: 5191247

Ion Ratio Lower Upper

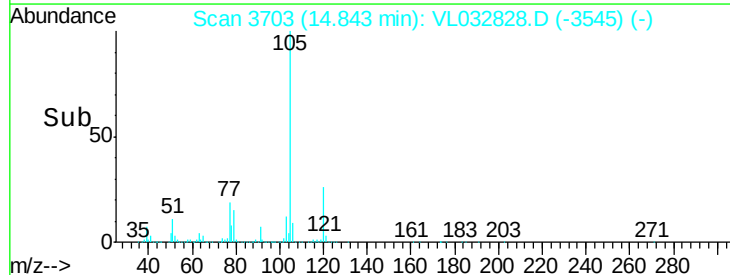
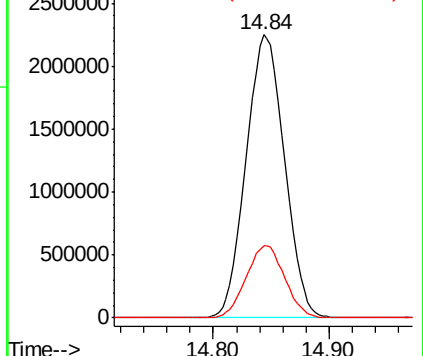
105 100

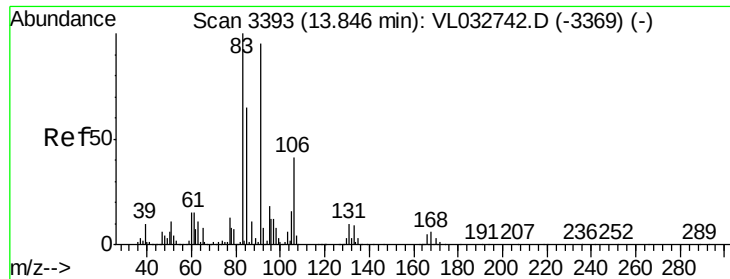
120 25.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





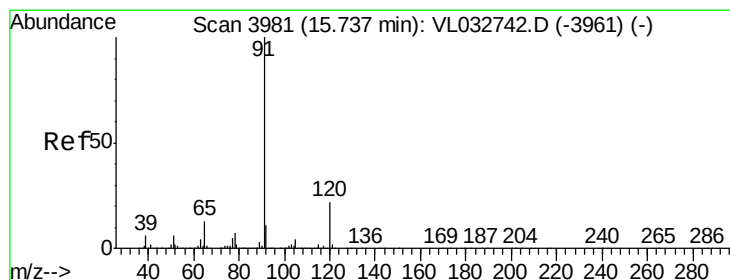
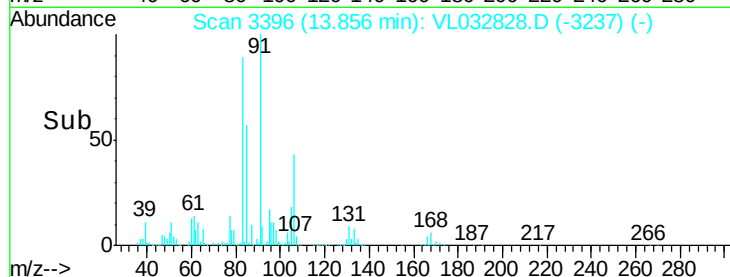
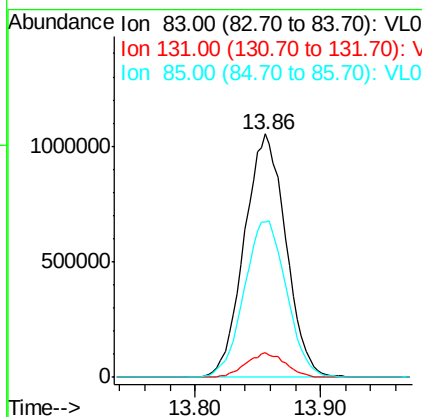
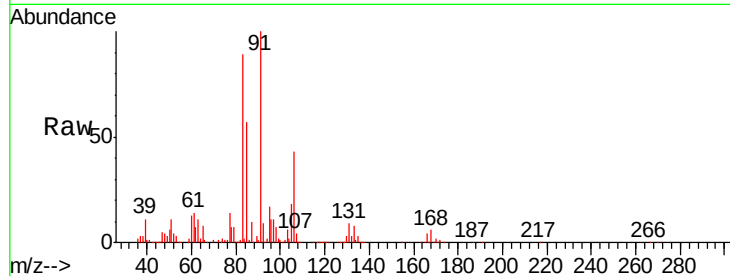
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.93 ppbv
 RT: 13.86 min Scan# 3396
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 2424391
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.7 14.1
 85 65.8 32.5 97.4

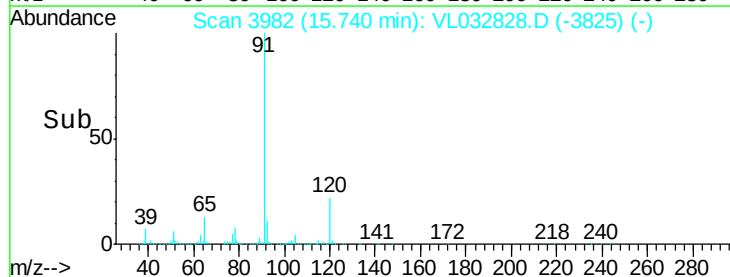
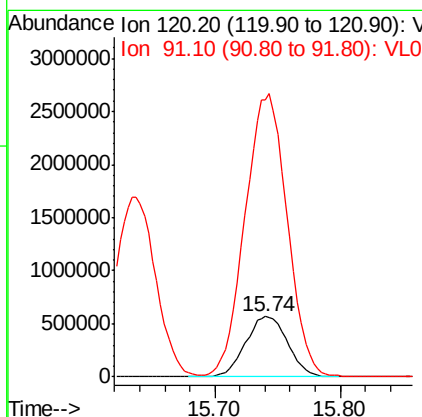
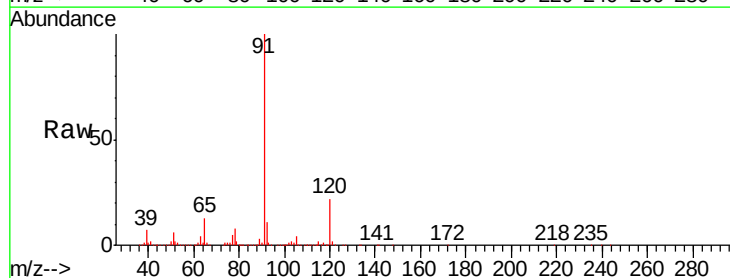
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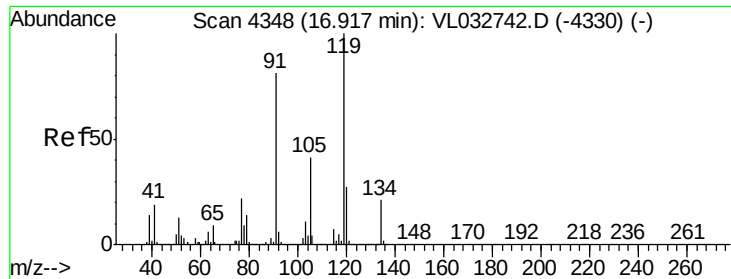
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.74 ppbv
 RT: 15.74 min Scan# 3982
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 120 Resp: 1329076
 Ion Ratio Lower Upper
 120 100
 91 469.9 381.7 572.5





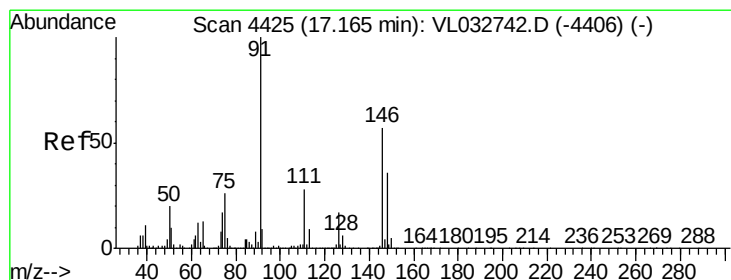
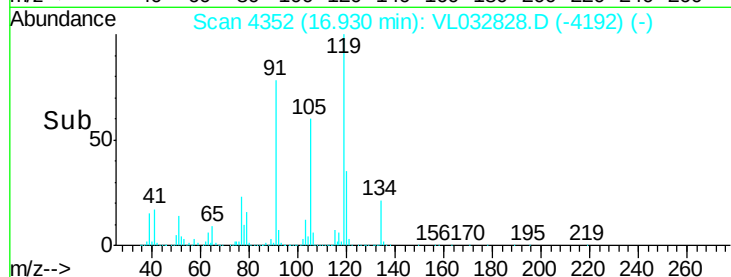
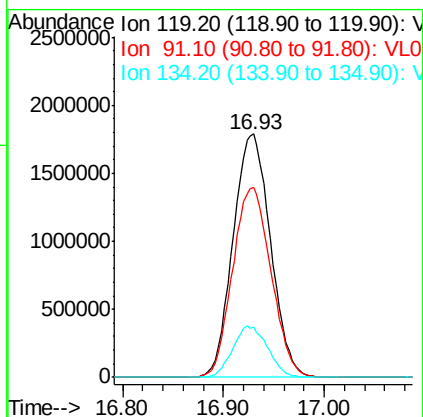
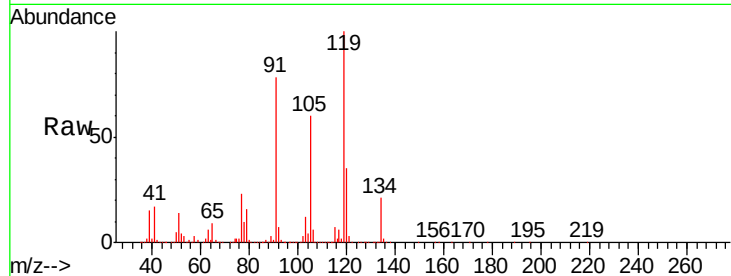
#65
 tert-Butylbenzene
 Concen: 10.90 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4598323
 Ion Ratio Lower Upper
 119 100
 91 80.2 65.6 98.4
 134 19.8 15.9 23.9

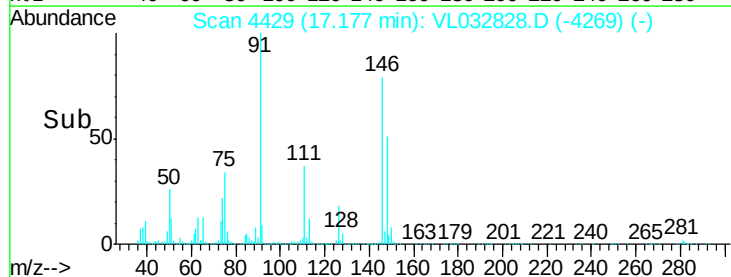
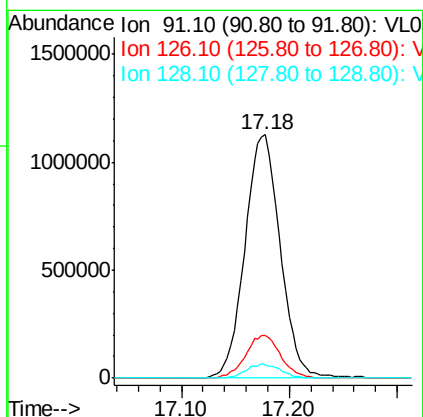
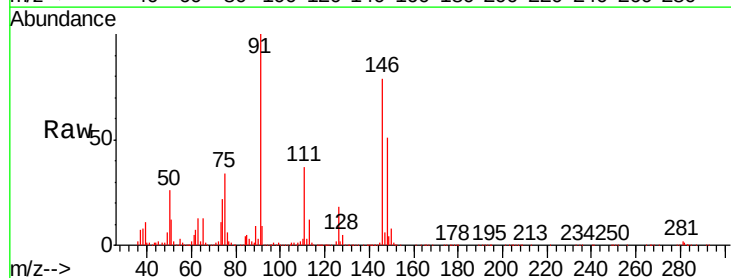
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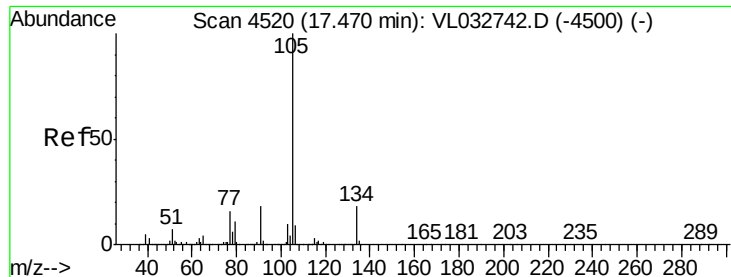
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#66
 Benzyl Chloride
 Concen: 10.96 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 2556612
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.2 21.2
 128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.53 ppbv

RT: 17.48 min Scan# 4523

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 6399578

Ion Ratio Lower Upper

105 100

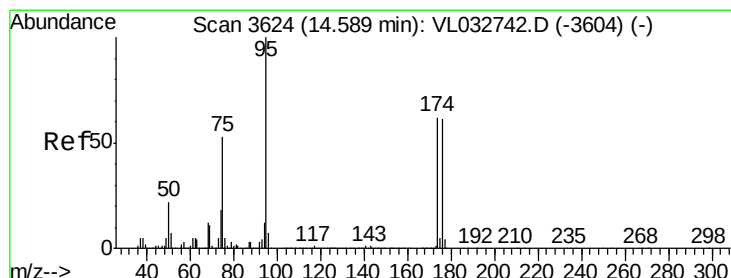
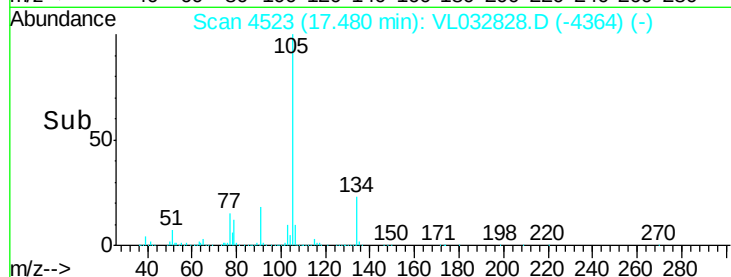
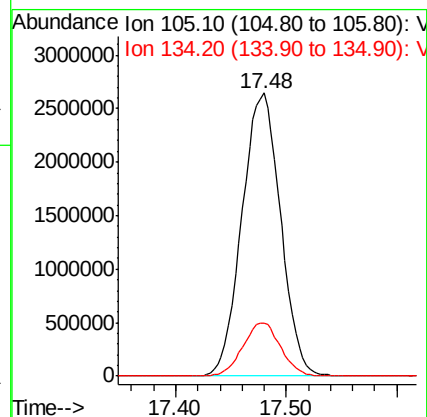
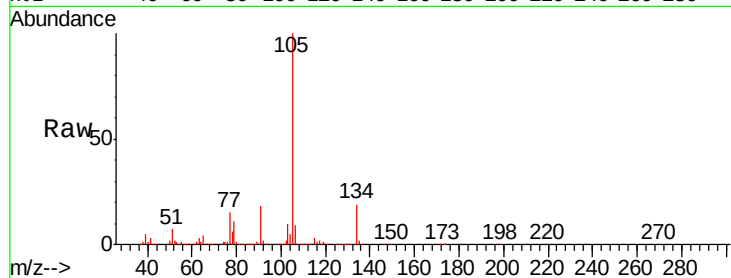
134 18.5 14.6 21.8

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.62 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

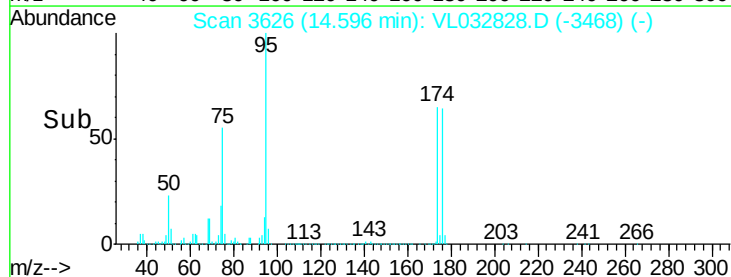
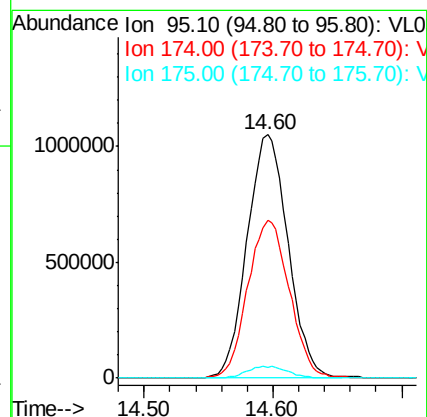
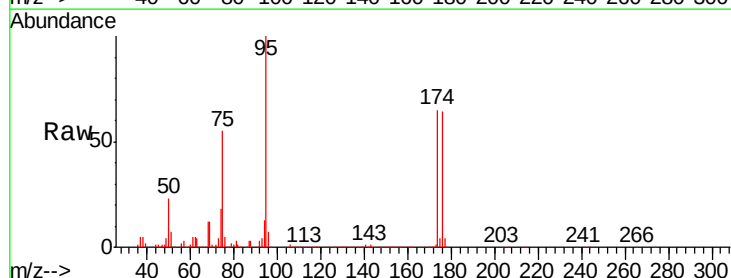
Tgt Ion: 95 Resp: 2325161

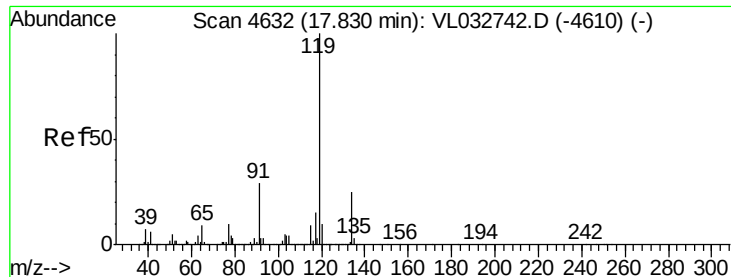
Ion Ratio Lower Upper

95 100

174 66.3 50.7 76.1

175 4.9 3.8 5.6





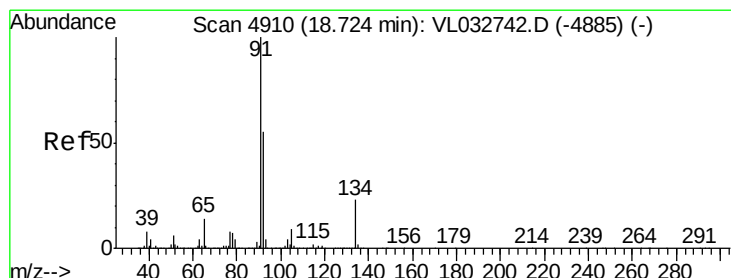
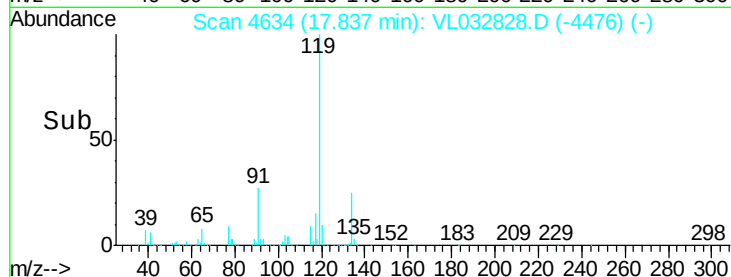
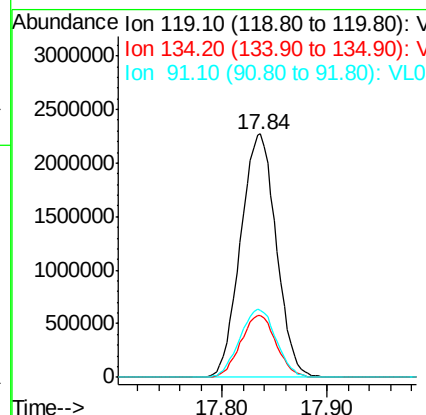
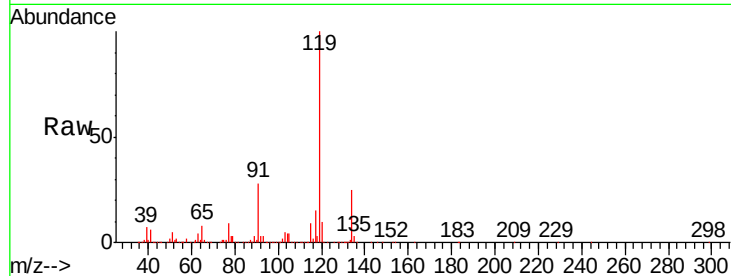
#69
 p-Isopropyltoluene
 Concen: 11.03 ppbv
 RT: 17.84 min Scan# 4634
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 5332275
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.4
 91 28.8 23.5 35.3

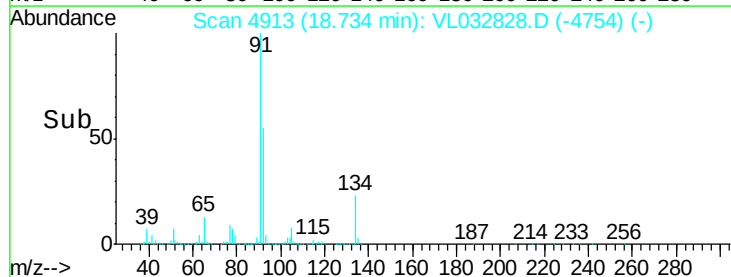
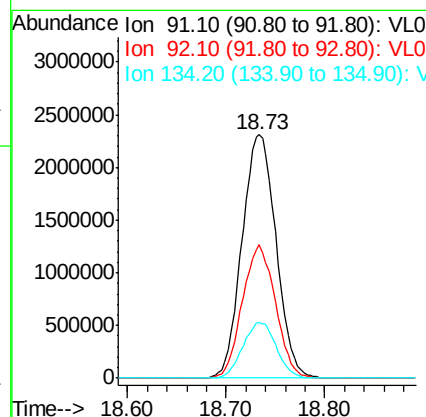
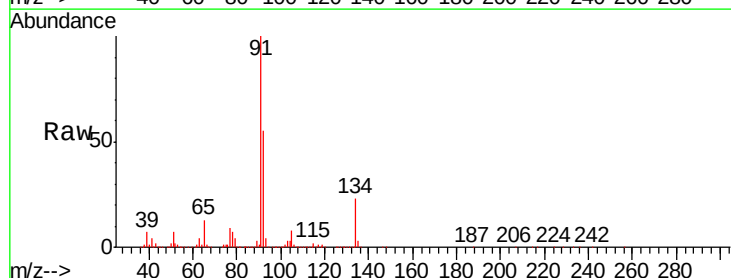
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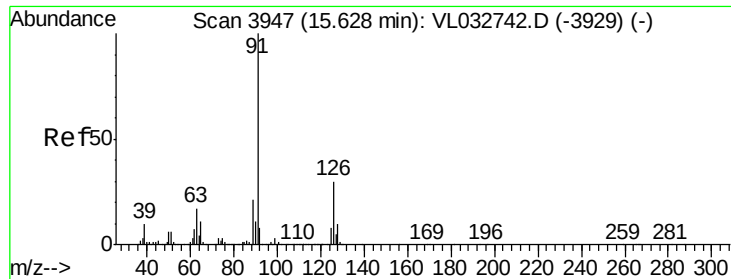
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#70
 n-Butylbenzene
 Concen: 11.23 ppbv
 RT: 18.73 min Scan# 4913
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 5509672
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.9 64.3
 134 22.5 17.8 26.8





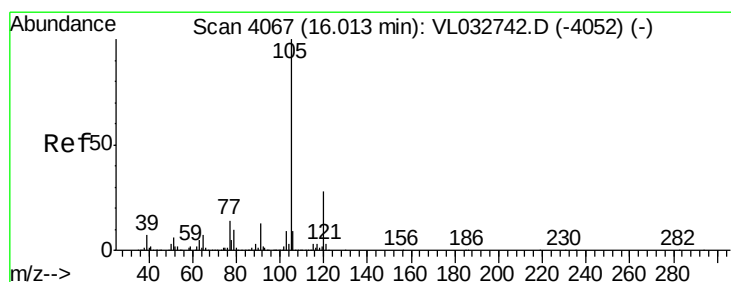
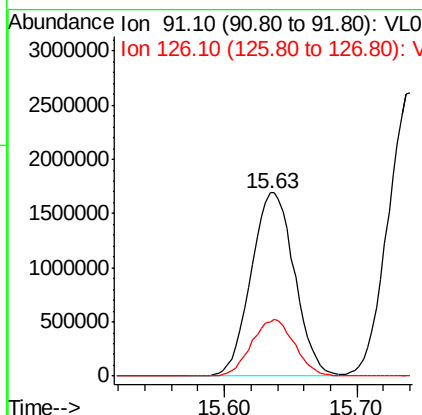
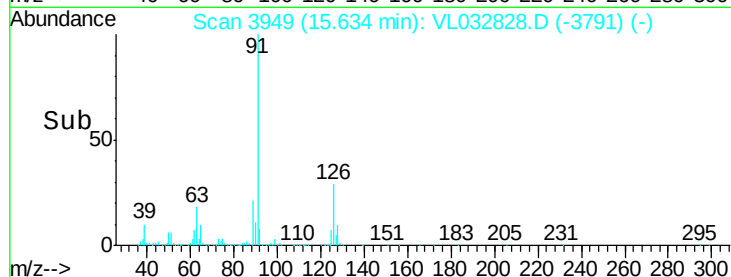
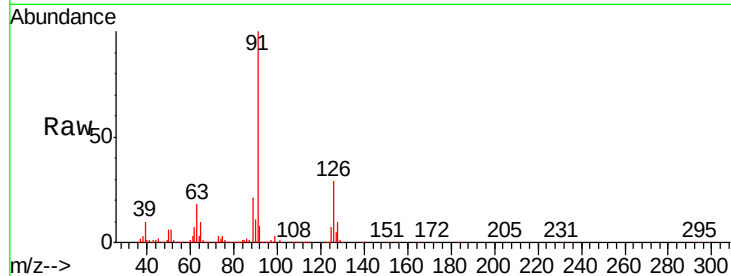
#71
 2-Chlorotoluene
 Concen: 10.99 ppbv
 RT: 15.63 min Scan# 3949
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 3855568
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.1 48.5

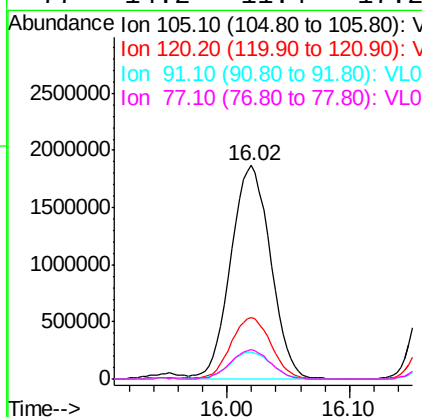
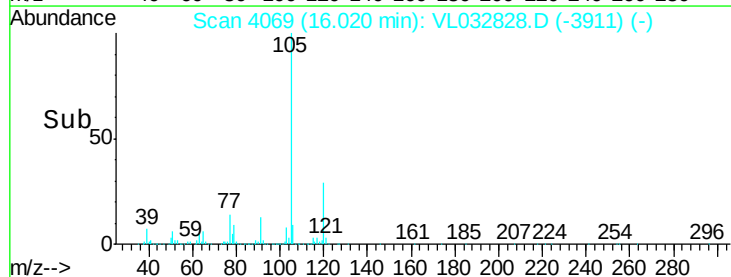
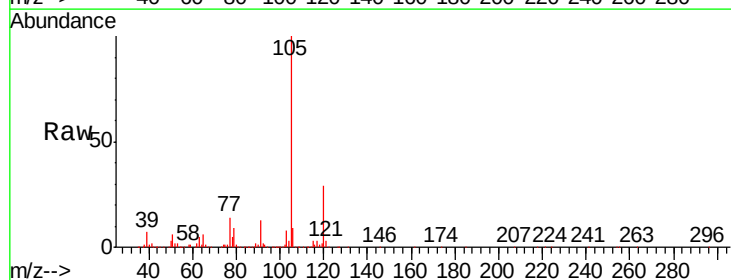
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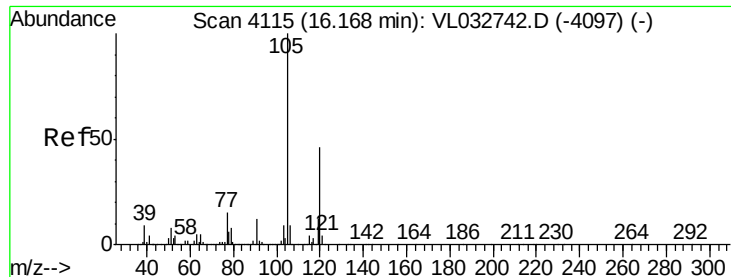
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#72
 4-Ethyltoluene
 Concen: 11.05 ppbv
 RT: 16.02 min Scan# 4069
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 105 Resp: 4217127
 Ion Ratio Lower Upper
 105 100
 120 29.0 22.9 34.3
 91 13.4 10.6 15.8
 77 14.2 11.4 17.2





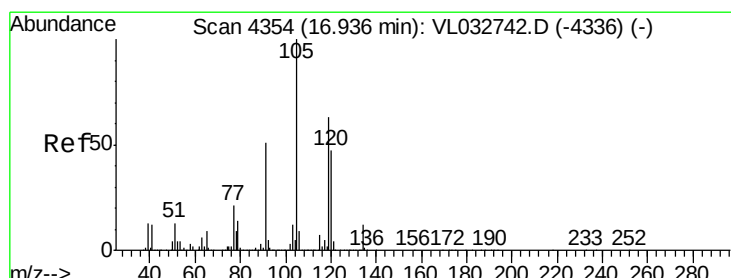
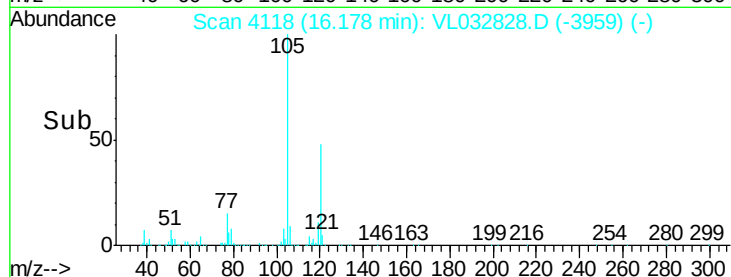
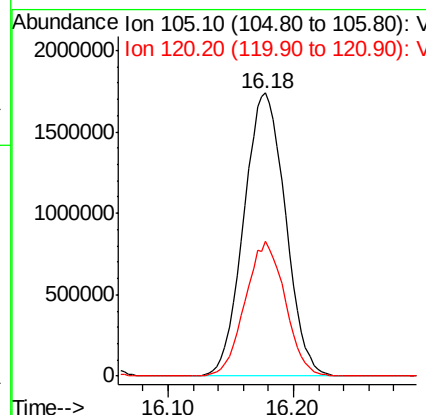
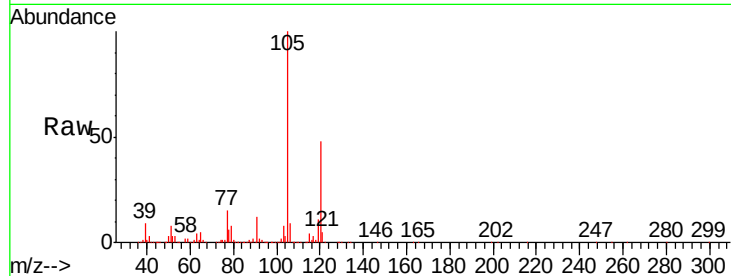
#73
 1,3,5-Trimethylbenzene
 Concen: 10.72 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 3999257
 Ion Ratio Lower Upper
 105 100
 120 47.8 36.6 55.0

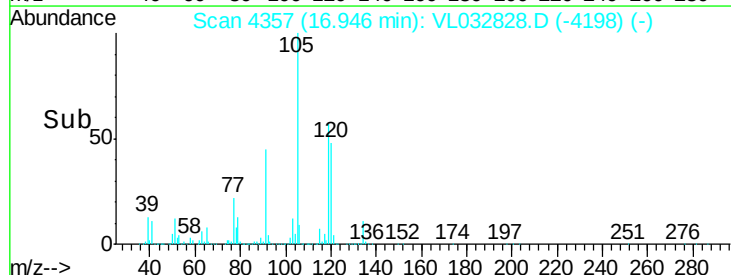
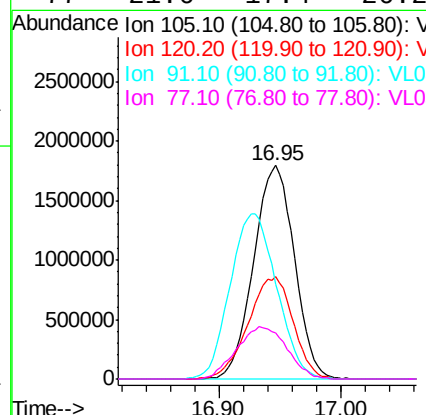
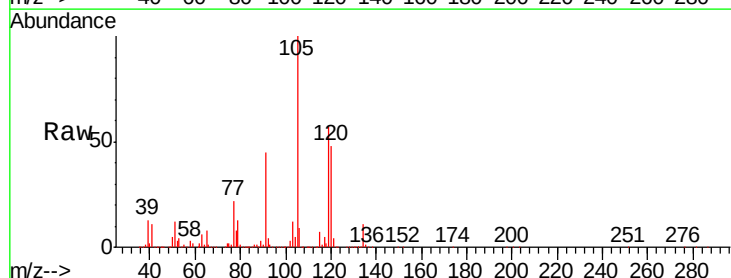
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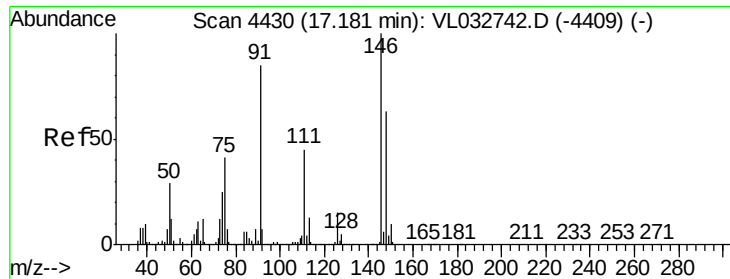
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.40 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion:105 Resp: 4153182
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.6 56.4
 91 44.3 42.5 63.7
 77 21.6 17.4 26.2





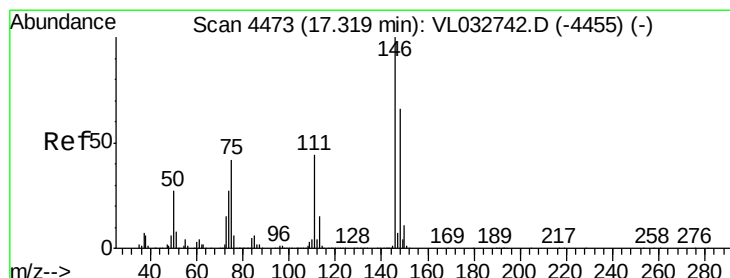
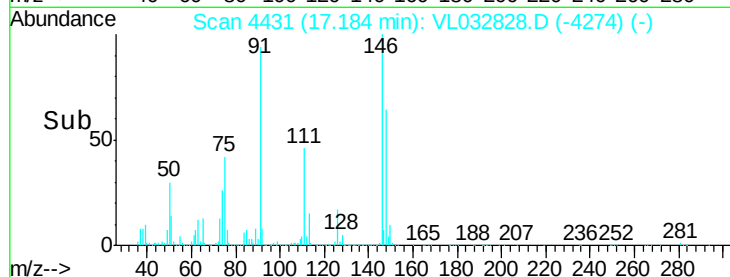
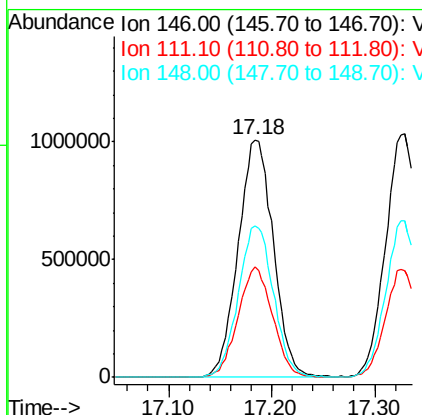
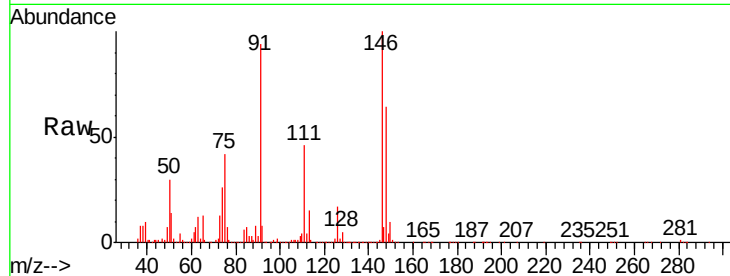
#75
 1,3-Dichlorobenzene
 Concen: 10.48 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2399111
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.5 70.6
 148 63.7 31.8 95.3

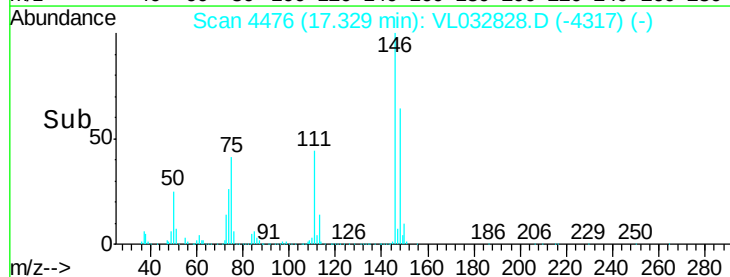
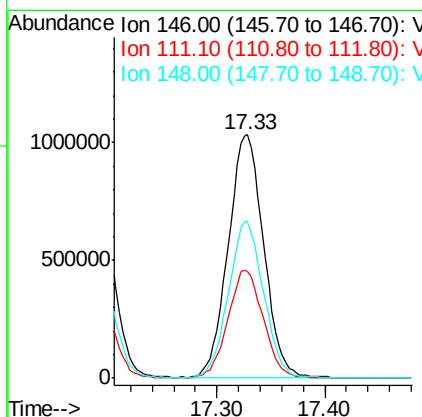
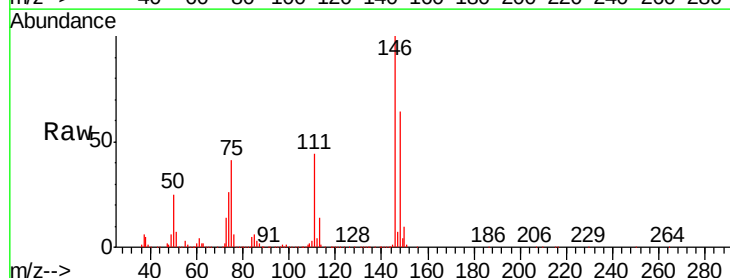
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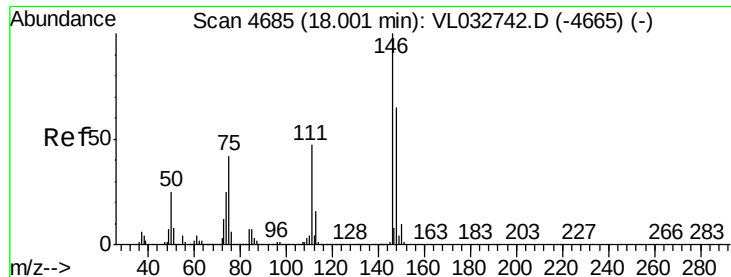
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#76
 1,4-Dichlorobenzene
 Concen: 11.04 ppbv
 RT: 17.33 min Scan# 4476
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion:146 Resp: 2361923
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.5 67.5
 148 64.3 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 10.93 ppbv

RT: 18.01 min Scan# 4687

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 2316714

Ion Ratio Lower Upper

146 100

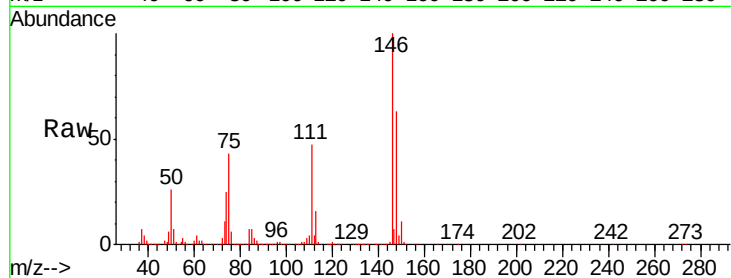
111 47.6 24.4 73.2

148 63.5 32.2 96.6

Manual Integrations
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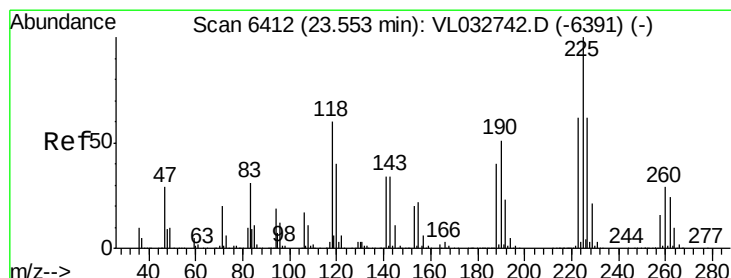
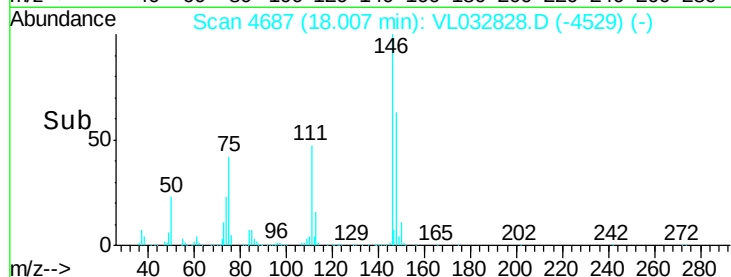
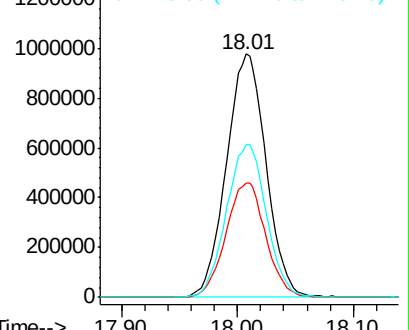
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 16.25 ppbv

RT: 23.56 min Scan# 6415

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

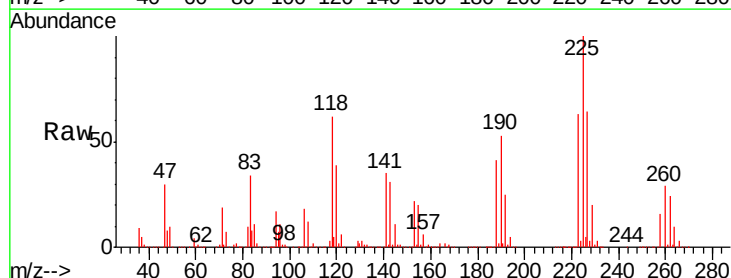
Tgt Ion:225 Resp: 1857828

Ion Ratio Lower Upper

225 100

223 64.3 50.3 75.5

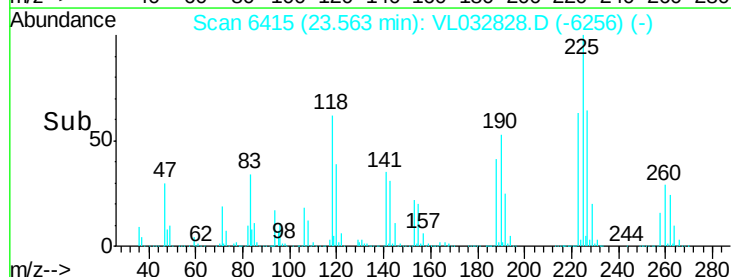
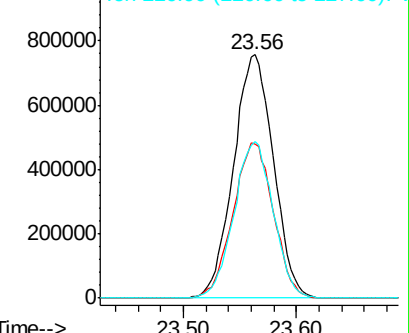
227 63.2 50.2 75.4

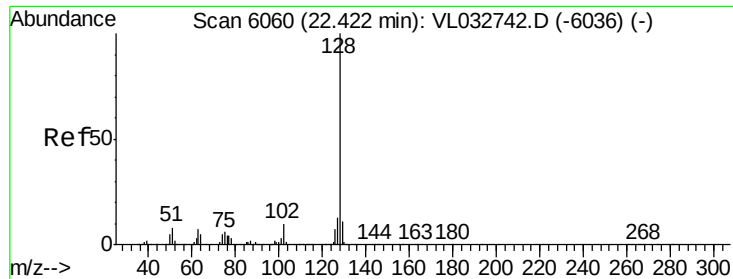


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





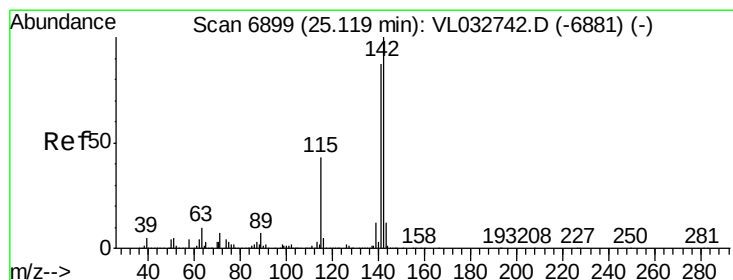
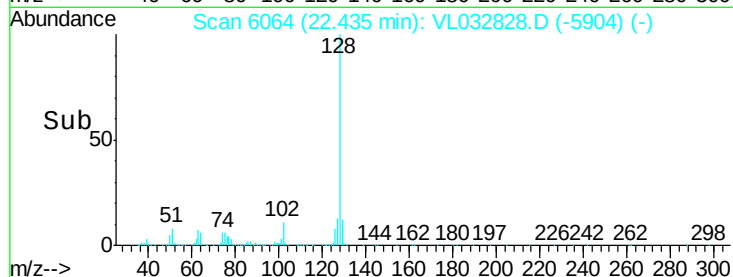
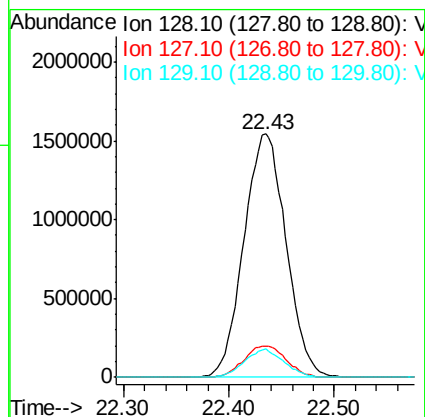
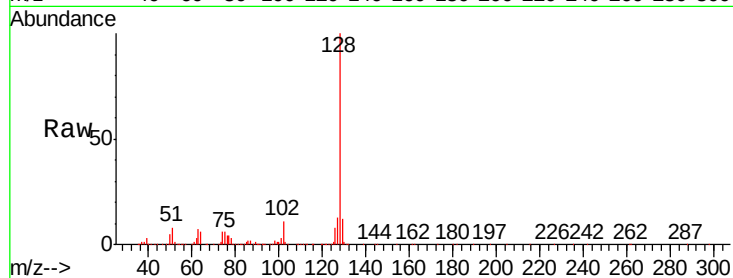
#79
Naphthalene
Concen: 16.35 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 4287725
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.5 8.9 13.3

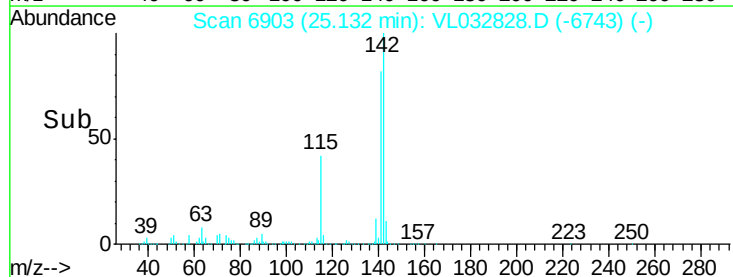
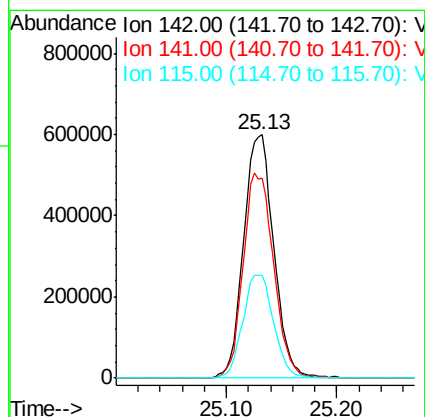
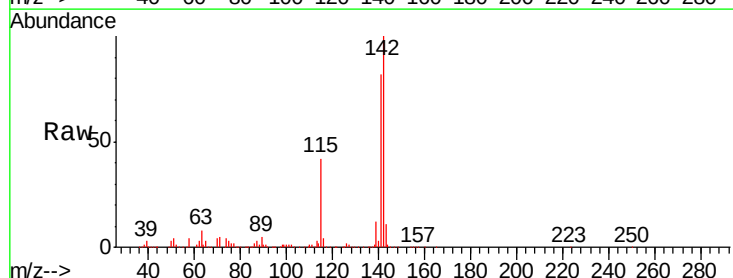
Manual Integrations
APPROVED

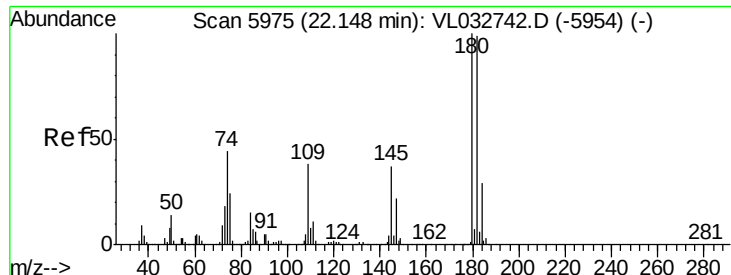
MMDadoda
11/28/2018 4:21:43 PM



#80
Naphthalene, 2-methyl-
Concen: 17.32 ppbv
RT: 25.13 min Scan# 6903
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion:142 Resp: 1137526
Ion Ratio Lower Upper
142 100
141 85.5 68.7 103.1
115 43.6 35.5 53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 15.62 ppbv
 RT: 22.16 min Scan# 5978
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.3	115.9
184	30.1	24.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 4:21:43 PM

