

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032625.D
 Acq On : 12 Oct 2018 8:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/12/2018 2:07:49 PM

Quant Time: Oct 12 12:18:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1291303	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2970332	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3207115m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2322848	9.60	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.09	85	1611833	13.495	ppbv 100
3) Chlorodifluoromethane	3.03	51	939329	8.747	ppbv 94
4) Chloromethane	3.19	50	503830	8.046	ppbv 99
5) Vinyl Chloride	3.31	62	517971	8.187	ppbv 98
6) Bromomethane	3.53	94	325850	9.417	ppbv 95
7) Chloroethane	3.62	64	207579	9.208	ppbv 95
8) Dichlorotetrafluoroethane	3.24	85	1264140	9.687	ppbv 97
9) Propene	3.05	41	351915	7.553	ppbv 99
10) Heptane	8.27	43	1585688	9.279	ppbv 95
11) Trichlorofluoromethane	4.02	101	1486859	10.472	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.57	101	995334	8.576	ppbv 99
13) Ethanol	3.67	45	95894	6.847	ppbv 96
14) Bromoethene	3.80	108	417336	10.134	ppbv 98
15) Acetone	3.92	43	1005973	8.875	ppbv 99
16) 1,3-Butadiene	3.38	39	416241	9.055	ppbv 98
17) tert-Butyl alcohol	4.38	59	107895	7.575	ppbv # 100
18) 1,1-Dichloroethene	4.37	96	454524	8.362	ppbv 98
19) Isopropyl Alcohol	4.04	45	647326	8.199	ppbv 100
20) Methylene Chloride	4.43	84	401607	7.317	ppbv 97
21) Allyl Chloride	4.50	41	749762	8.093	ppbv 95
22) trans-1,2-Dichloroethene	4.98	96	503494	9.829	ppbv 100
23) Vinyl Acetate	5.18	43	1838700	9.180	ppbv # 97
24) 1,1-Dichloroethane	5.11	63	1547081	9.276	ppbv 99
25) Ethyl Acetate	5.79	43	2591702	9.423	ppbv 99
26) Hexane	5.80	57	1202962	9.683	ppbv 99
27) Carbon Disulfide	4.64	76	1338617	10.023	ppbv 99
28) Methyl tert-Butyl Ether	5.14	73	1595015	10.307	ppbv 97
29) Chloroform	5.88	83	1990968	10.445	ppbv 99
30) Cyclohexane	7.27	84	1035001	10.232	ppbv 93
31) cis-1,2-Dichloroethene	5.67	61	1103141	9.323	ppbv 99
32) 1,1,1-Trichloroethane	6.65	97	1853379	9.124	ppbv 98
34) 2-Butanone	5.35	43	1568256	8.866	ppbv 98
35) Carbon Tetrachloride	7.16	117	2084079	10.097	ppbv 97
36) Benzene	7.03	78	2420324	10.083	ppbv 98
37) 1,2-Dichloroethane	6.44	62	1555155	10.750	ppbv 97
38) Trichloroethene	7.99	130	969426	10.551	ppbv 98
39) 1,2-Dichloropropane	7.77	63	953241	8.812	ppbv 95
40) 1,4-Dioxane	7.98	88	342759	10.334	ppbv 78
41) Tetrahydrofuran	6.17	42	847070	8.815	ppbv 92
42) Bromodichloromethane	7.95	83	2278427	10.512	ppbv 97
43) Methyl Methacrylate	8.16	69	1050941	10.480	ppbv 95

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 08 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	4457980	9.503	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	1301981	10.438	ppbv	97
46) cis-1,3-Dichloropropene	8.87	75	1559865	10.661	ppbv	98
47) 1,1,2-Trichloroethane	9.64	97	1029697	8.570	ppbv	95
48) Dibromochloromethane	10.48	129	1978070	10.470	ppbv	99
49) Bromoform	13.23	173	1565127	10.842	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2562306	9.216	ppbv	99
51) 2-Hexanone	10.30	43	2200980	9.572	ppbv	99
52) Tetrachloroethene	11.40	164	880718	10.537	ppbv	97
53) Toluene	9.98	91	3117798	10.658	ppbv	100
54) 1,2-Dibromoethane	10.79	107	1724316	10.090	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.31	131	1436871	9.967	ppbv #	60
57) Chlorobenzene	12.33	112	2391938	9.259	ppbv	98
58) Ethyl Benzene	12.89	91	3987092	10.249	ppbv	97
59) m/p-Xylene	13.18	91	6663251m	19.251	ppbv	
60) o-Xylene	13.88	91	3319778	9.851	ppbv	99
61) Styrene	13.71	104	2345617	10.640	ppbv	98
62) Isopropylbenzene	14.86	105	4608148	9.669	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2488974	8.314	ppbv	99
64) n-propylbenzene	15.75	120	1201462	9.813	ppbv	96
65) tert-Butylbenzene	16.94	119	3951259	9.673	ppbv	98
66) Benzyl Chloride	17.19	91	2362450	10.035	ppbv	99
67) sec-Butylbenzene	17.49	105	5793536	9.540	ppbv	99
69) p-Isopropyltoluene	17.85	119	4617908	9.845	ppbv	99
70) n-Butylbenzene	18.74	91	5042232	9.841	ppbv	99
71) 2-Chlorotoluene	15.65	91	3651116	10.059	ppbv	99
72) 4-Ethyltoluene	16.03	105	3790428	10.363	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	3629511	10.210	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	3680301	9.615	ppbv	95
75) 1,3-Dichlorobenzene	17.20	146	2040643	8.640	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2007295	9.282	ppbv	100
77) 1,2-Dichlorobenzene	18.02	146	2027689	9.129	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	1211537	14.534	ppbv	100
79) Naphthalene	22.44	128	3032127	10.984	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	881963	13.609	ppbv	98
81) 1,2,4-Trichlorobenzene	22.17	180	1430581	10.111	ppbv	99

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

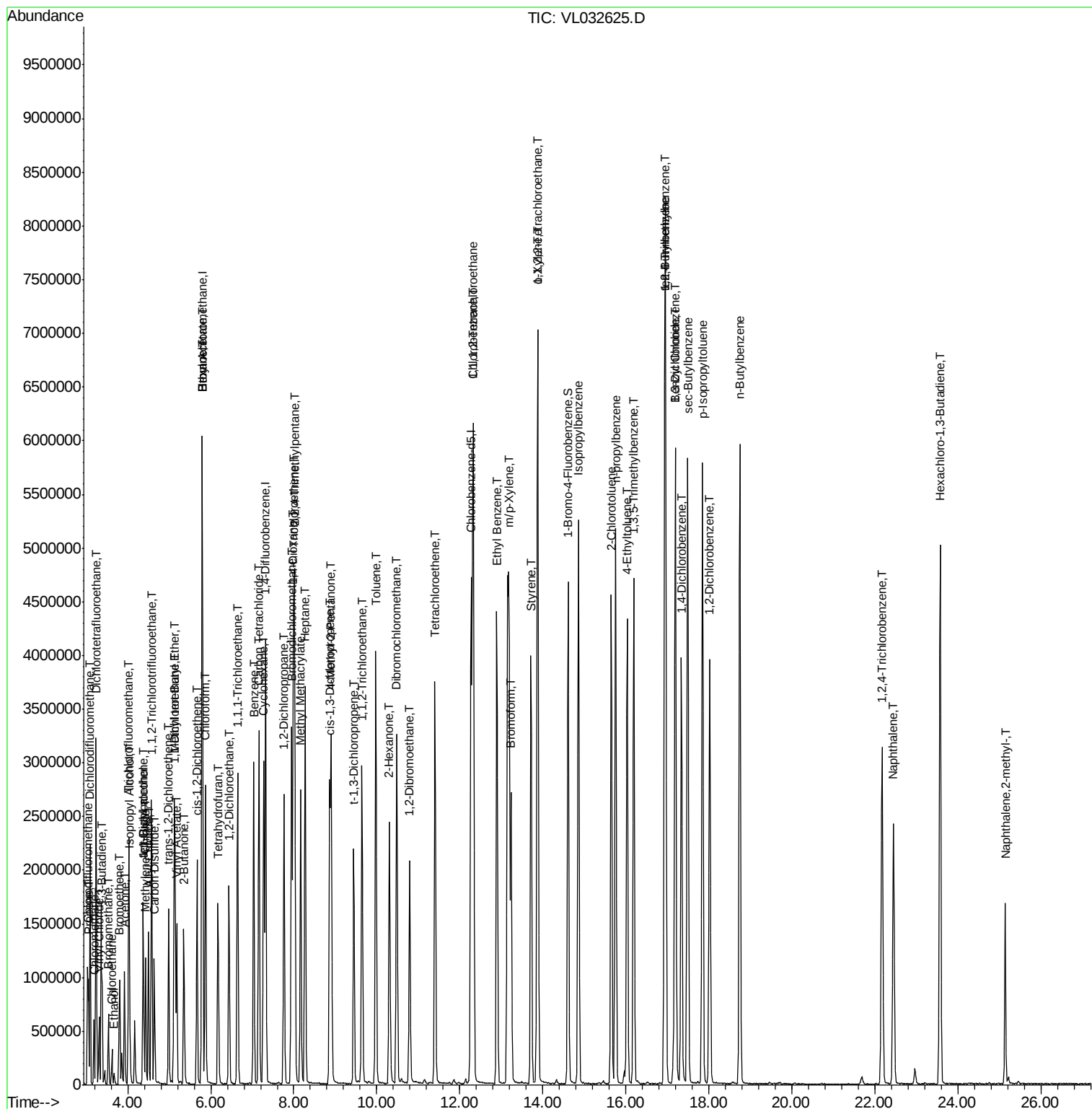
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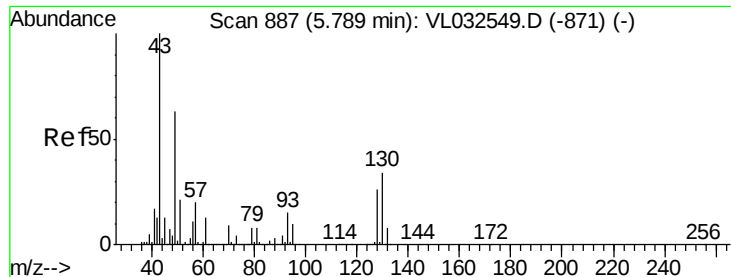
Instrument :
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QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1291303

Ion Ratio Lower Upper

49 100

128 45.4 20.7 62.1

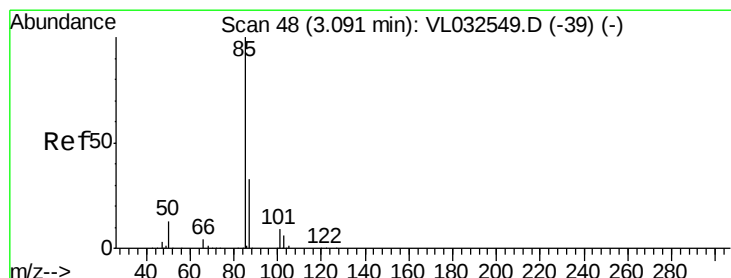
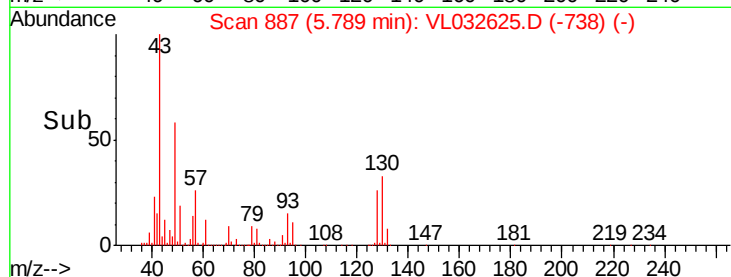
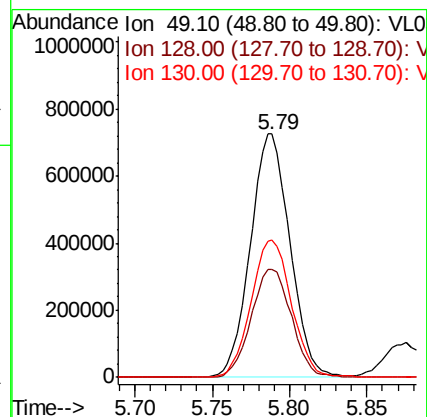
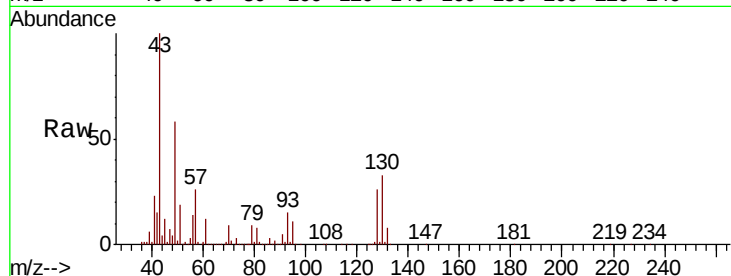
130 57.9 26.6 79.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 13.495 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032625.D

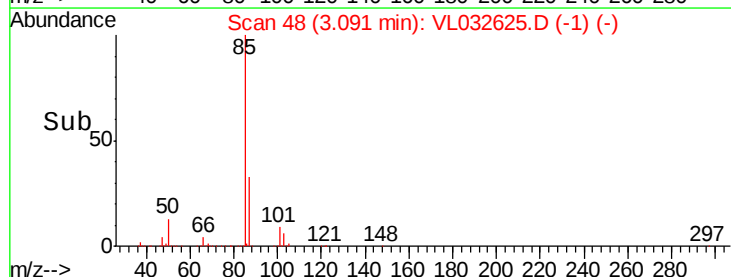
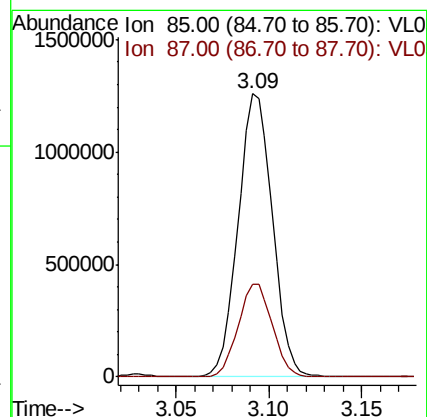
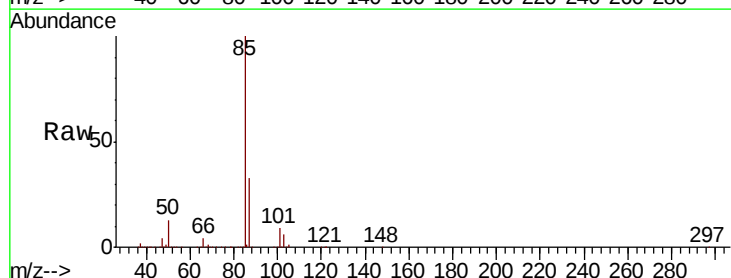
Acq: 12 Oct 2018 8:53

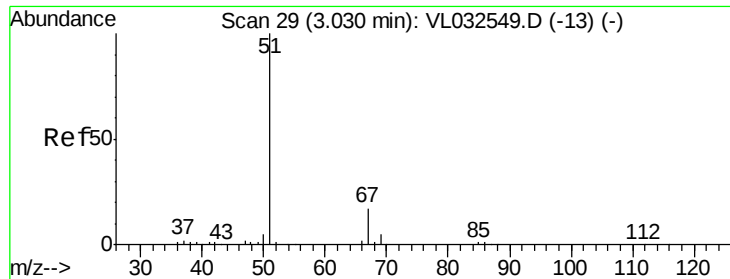
Tgt Ion: 85 Resp: 1611833

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4





#3

Chlorodifluoromethane

Concen: 8.747 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 939329

Ion Ratio Lower Upper

51 100

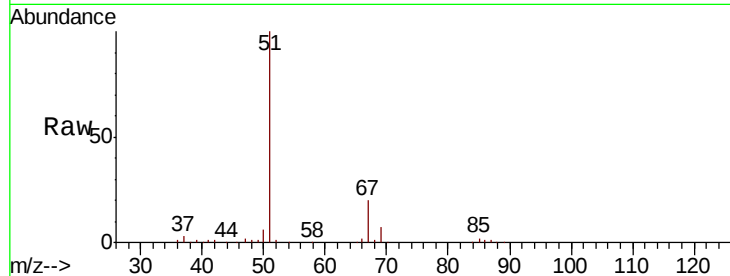
67 19.7 13.8 20.8

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.03

800000

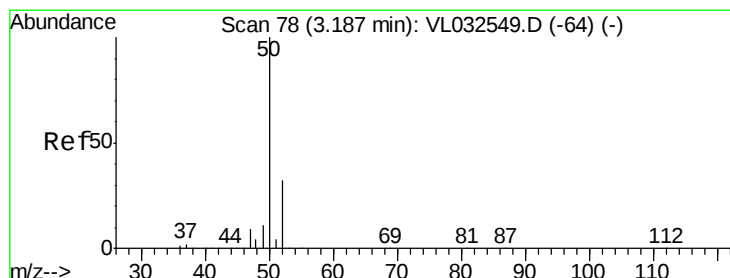
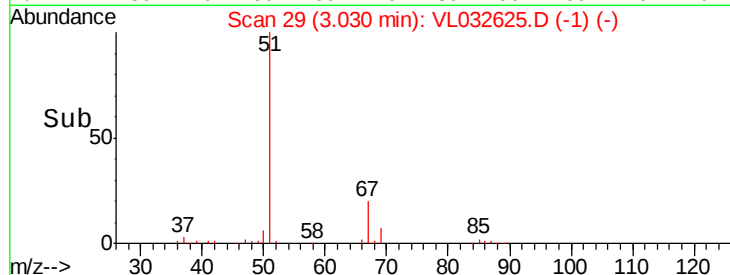
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 8.046 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032625.D

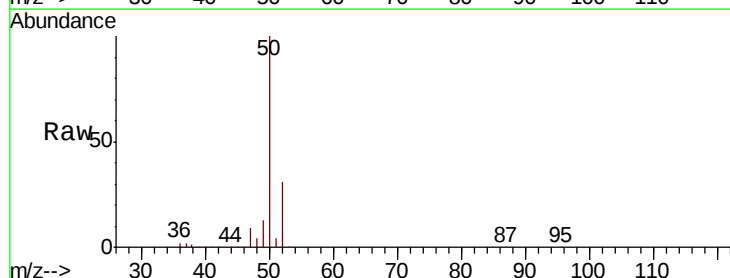
Acq: 12 Oct 2018 8:53

Tgt Ion: 50 Resp: 503830

Ion Ratio Lower Upper

50 100

52 31.4 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.19

400000

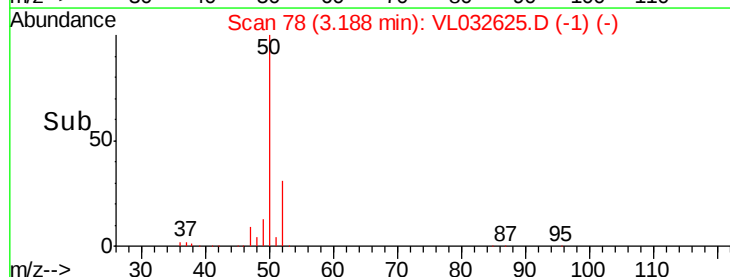
300000

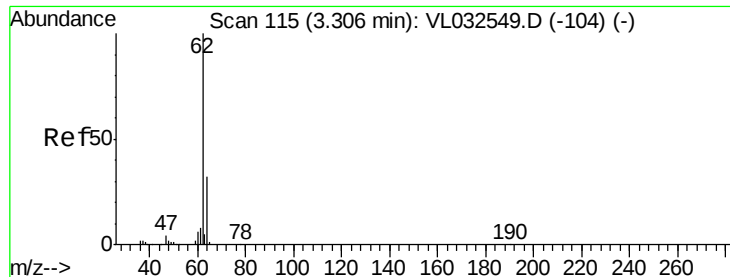
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.187 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 517971

Ion Ratio Lower Upper

62 100

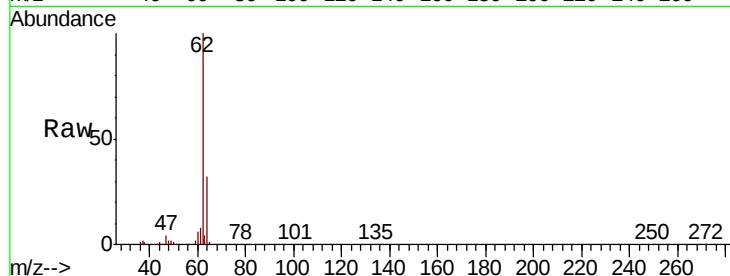
64 32.3 25.0 37.6

Manual Integrations

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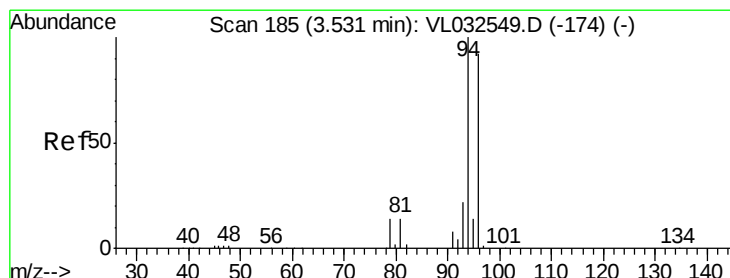
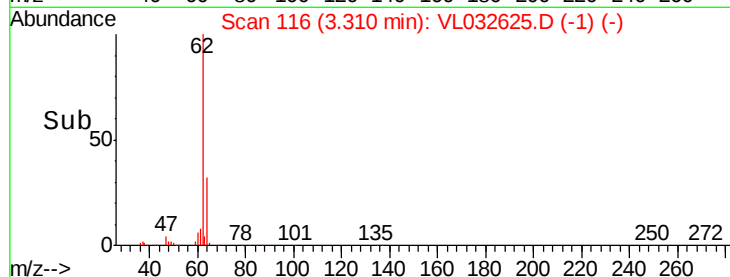
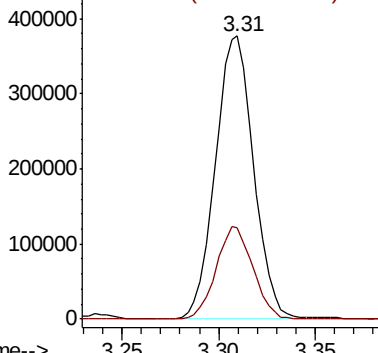
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.417 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032625.D

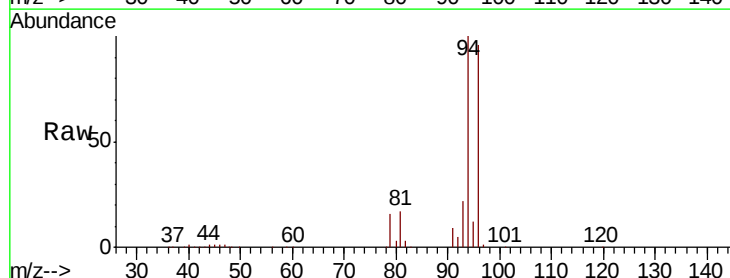
Acq: 12 Oct 2018 8:53

Tgt Ion: 94 Resp: 325850

Ion Ratio Lower Upper

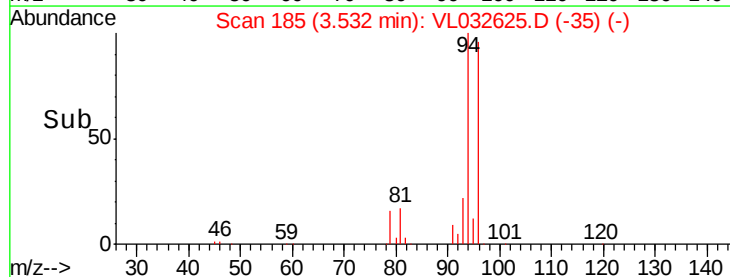
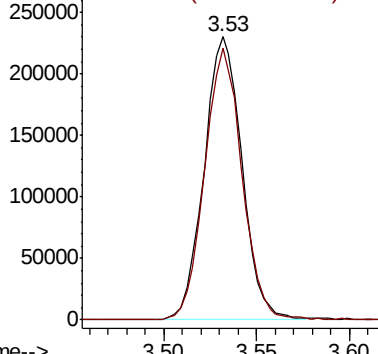
94 100

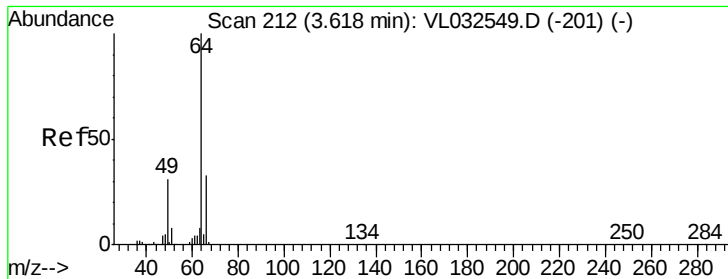
96 96.1 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.208 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 207579

Ion Ratio Lower Upper

64 100

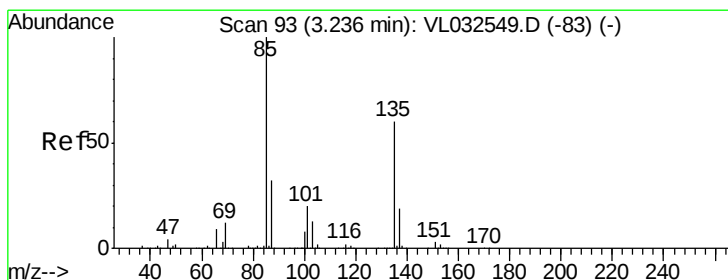
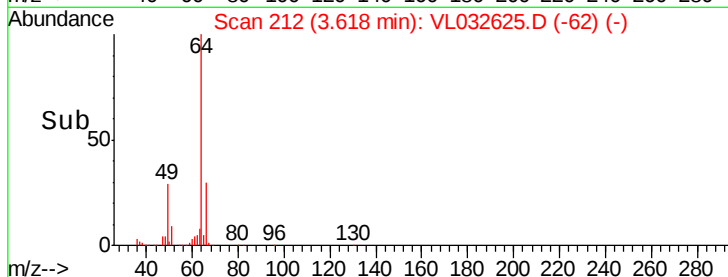
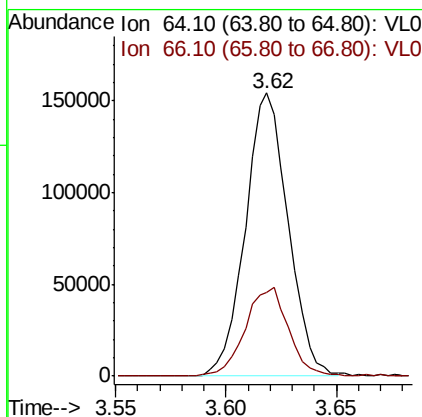
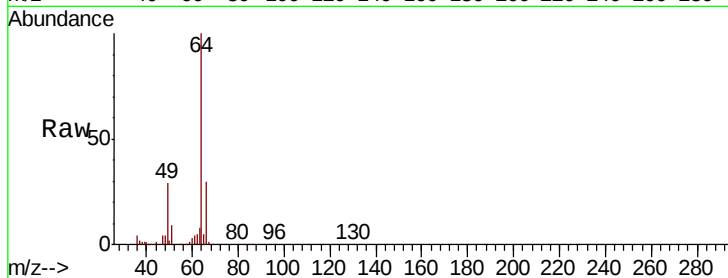
66 29.7 25.8 38.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.687 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032625.D

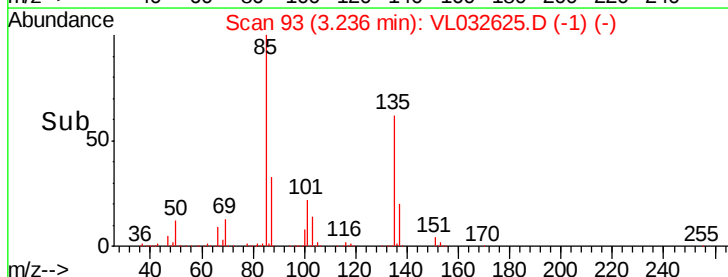
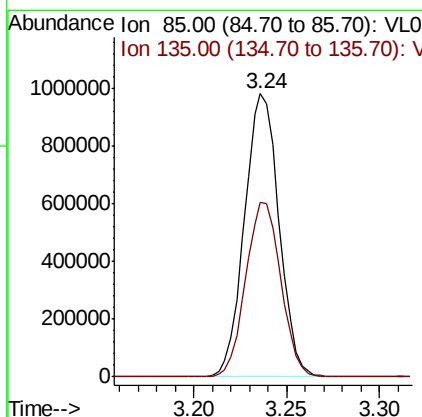
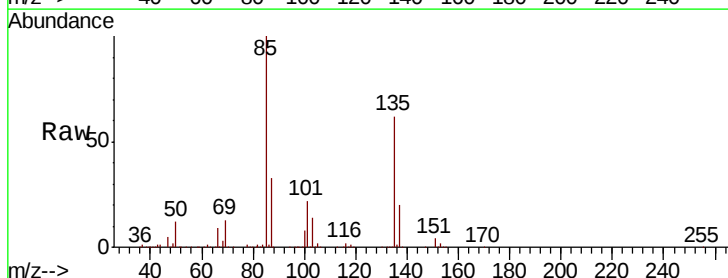
Acq: 12 Oct 2018 8:53

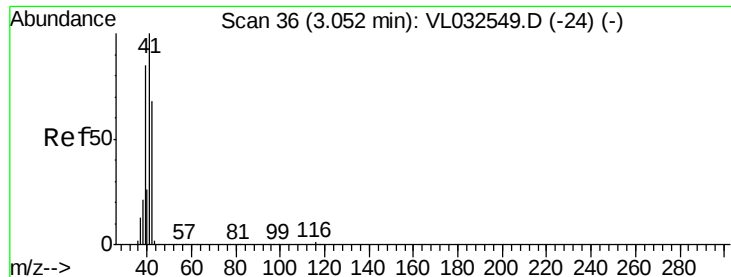
Tgt Ion: 85 Resp: 1264140

Ion Ratio Lower Upper

85 100

135 63.1 48.6 72.8





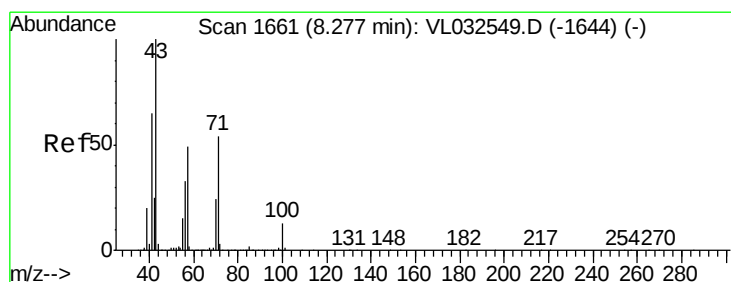
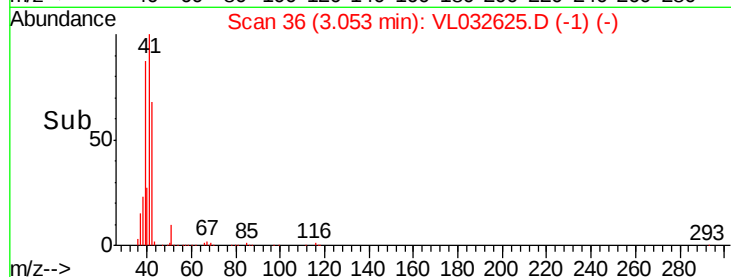
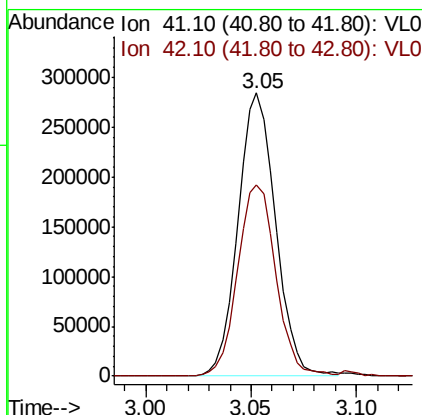
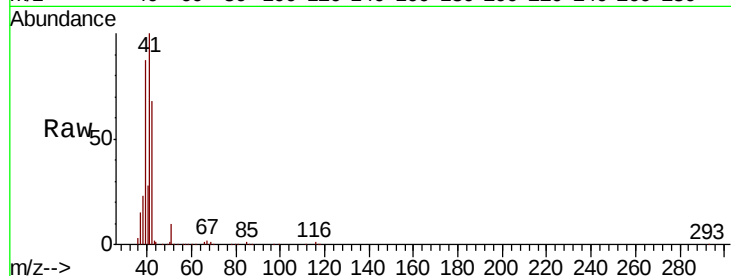
#9
 Propene
 Concen: 7.553 ppbv
 RT: 3.05 min Scan# 36
 Delta R.T. -0.01 min
 Lab File: VL032625.D
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Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 351915
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.6 84.8

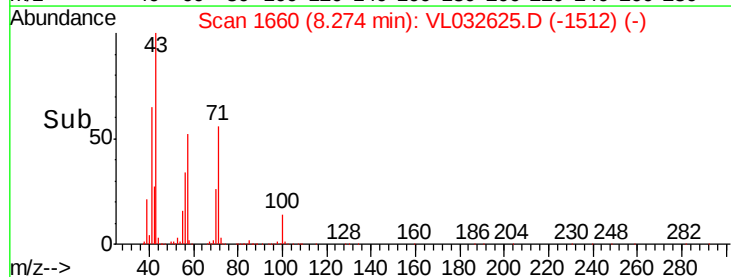
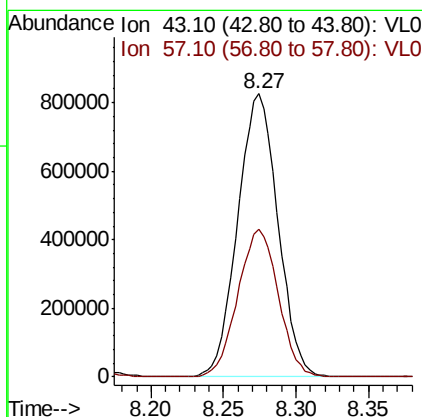
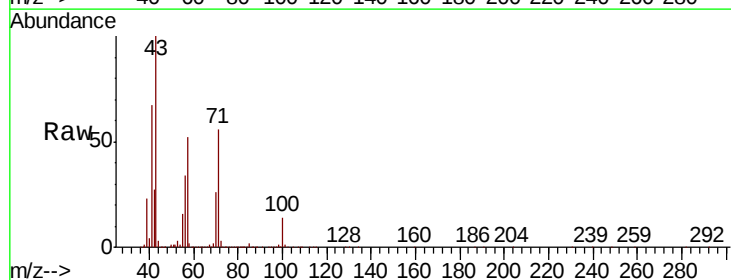
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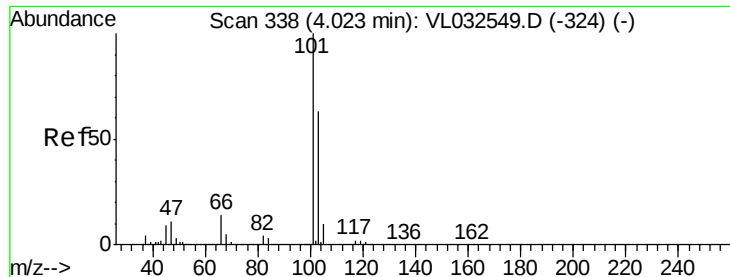
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#10
 Heptane
 Concen: 9.279 ppbv
 RT: 8.27 min Scan# 1660
 Delta R.T. -0.02 min
 Lab File: VL032625.D
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Tgt Ion: 43 Resp: 1585688
 Ion Ratio Lower Upper
 43 100
 57 52.7 39.6 59.4





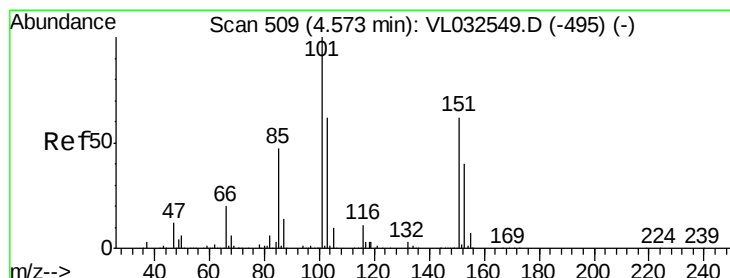
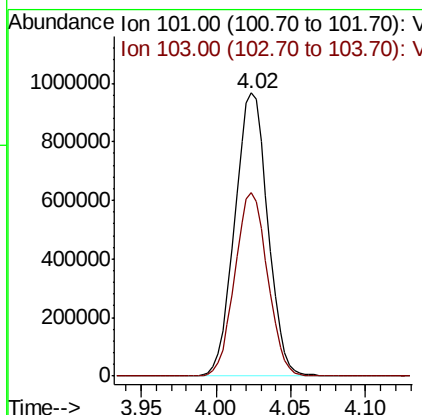
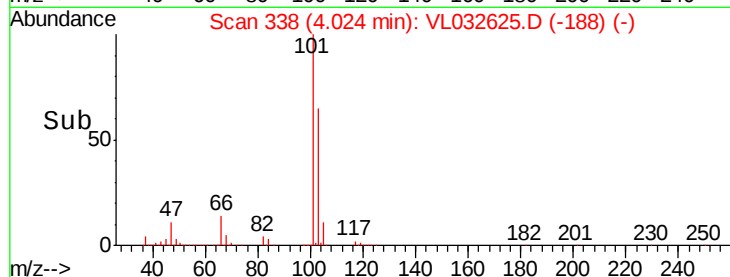
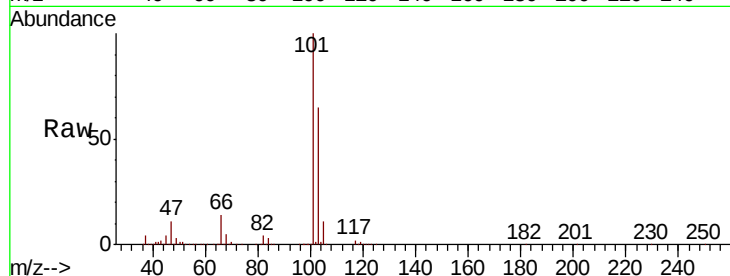
#11
 Trichlorofluoromethane
 Concen: 10.472 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1486859
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.8 79.2

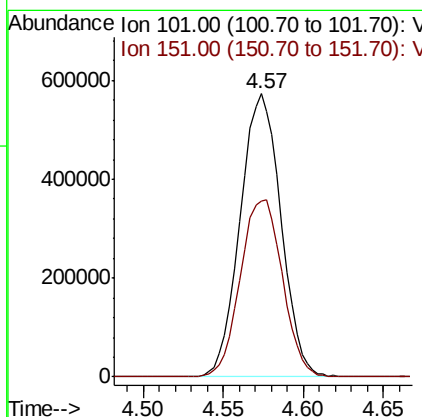
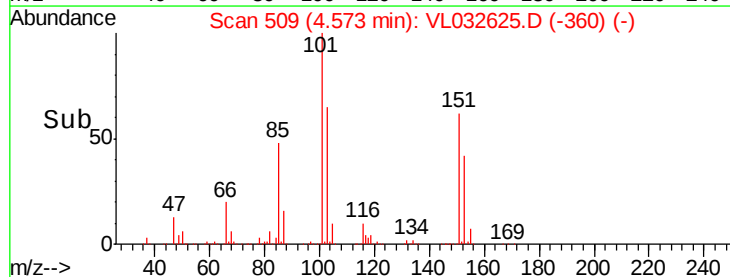
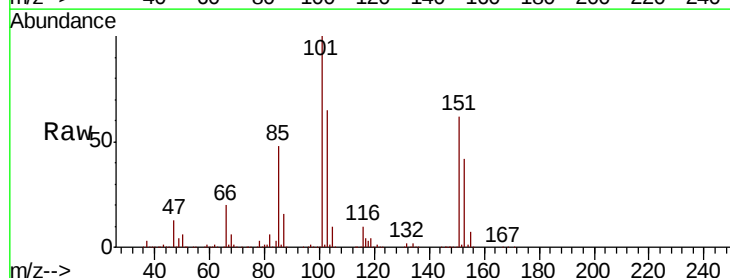
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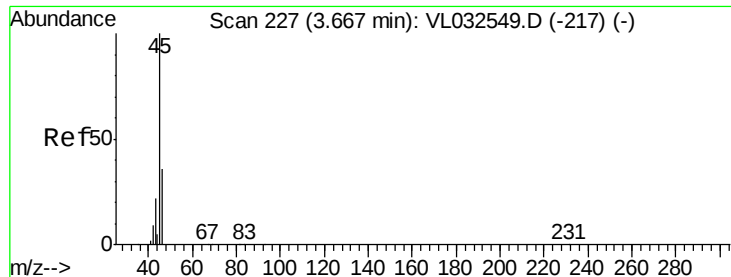
MMDadoda
 10/12/2018 2:07:49 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.576 ppbv
 RT: 4.57 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion:101 Resp: 995334
 Ion Ratio Lower Upper
 101 100
 151 64.8 52.6 78.8





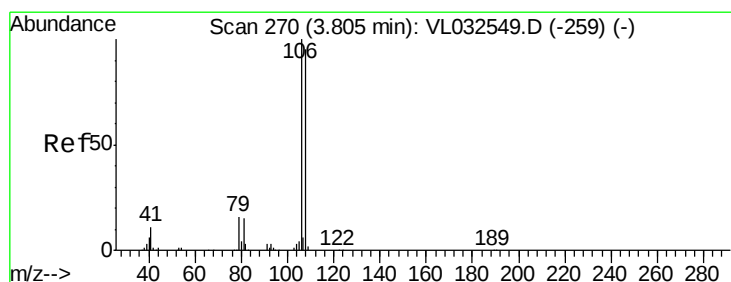
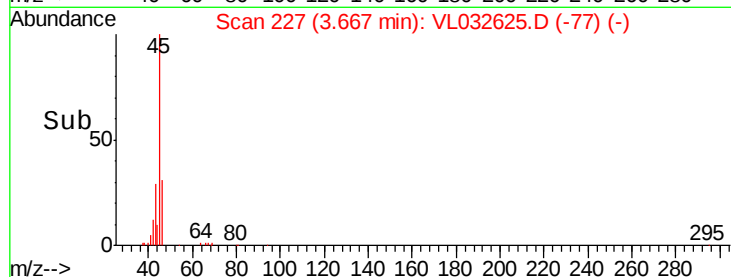
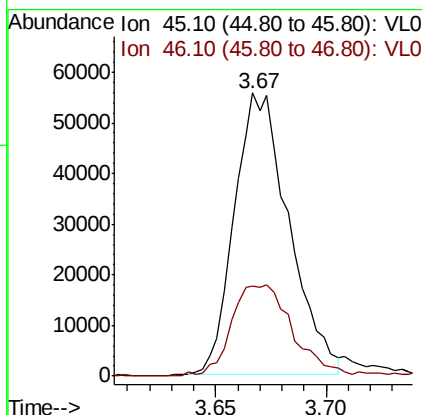
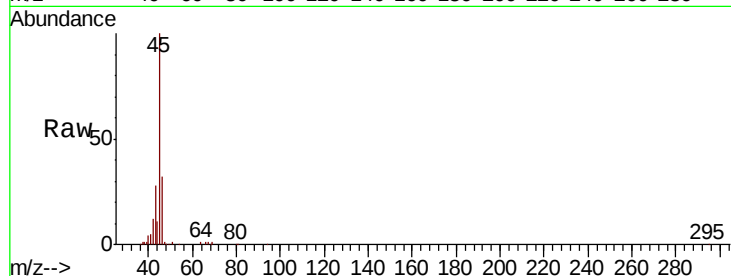
#13
Ethanol
Concen: 6.847 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	95894
Ion Ratio	100	Lower	Upper
45	100		
46	37.7	14.2	56.8

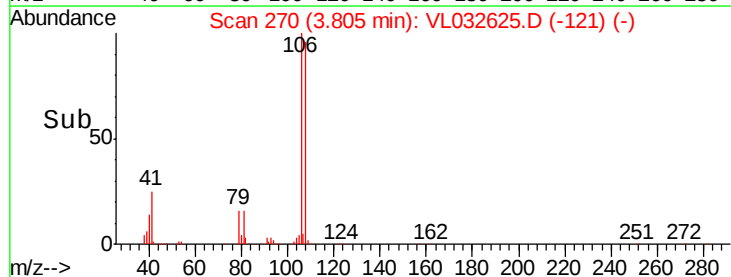
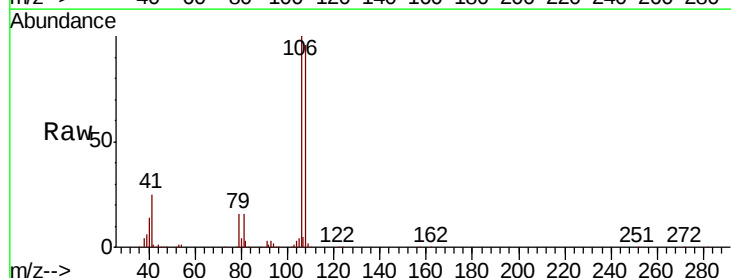
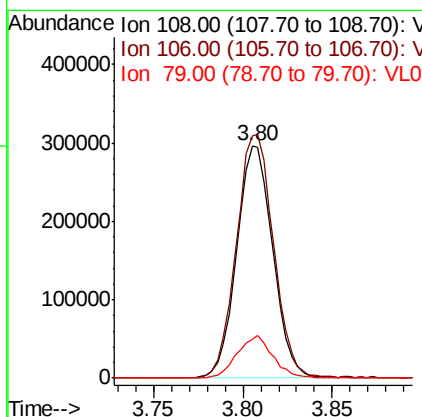
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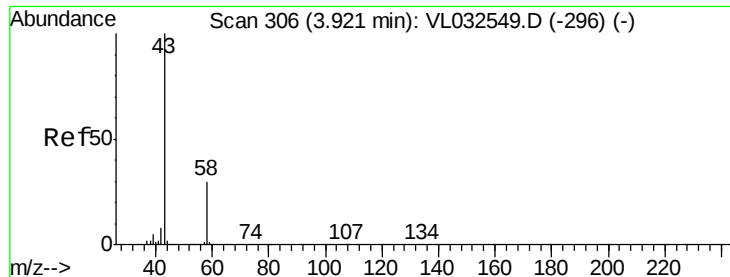
MMDadoda
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#14
Bromoethene
Concen: 10.134 ppbv
RT: 3.80 min Scan# 270
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	108	Resp	417336
Ion Ratio	100	Lower	Upper
108	100		
106	108.6	85.5	128.3
79	18.5	13.0	19.6





#15

Acetone

Concen: 8.875 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1005973

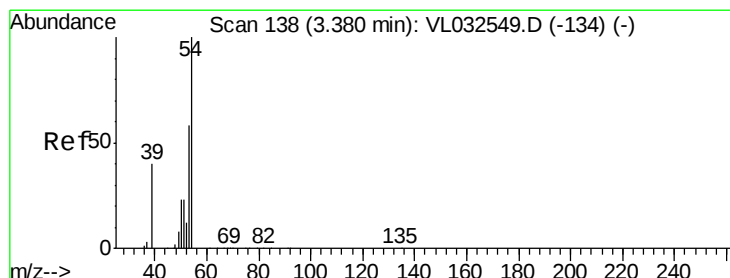
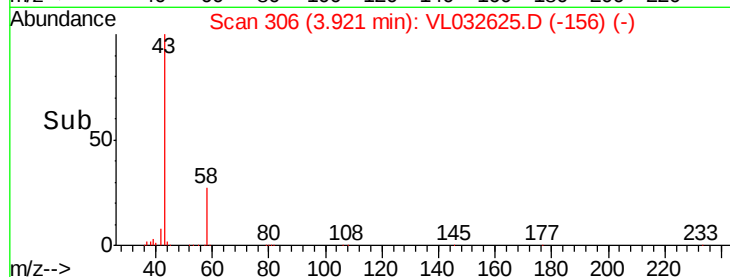
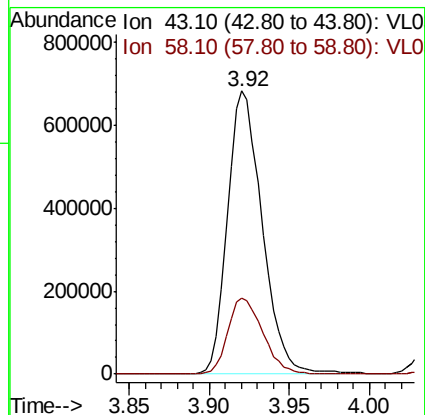
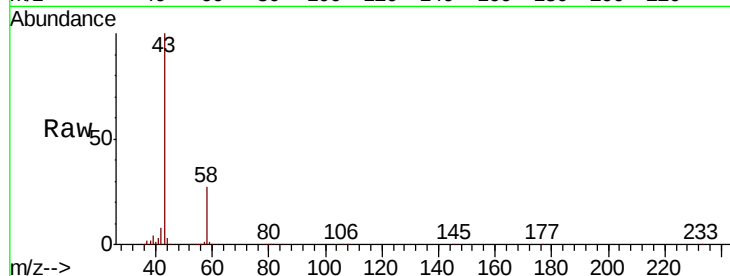
Ion Ratio Lower Upper

43 100

58 27.4 22.6 33.8

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#16

1,3-Butadiene

Concen: 9.055 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032625.D

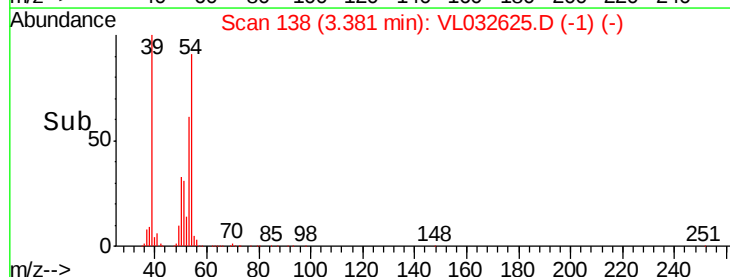
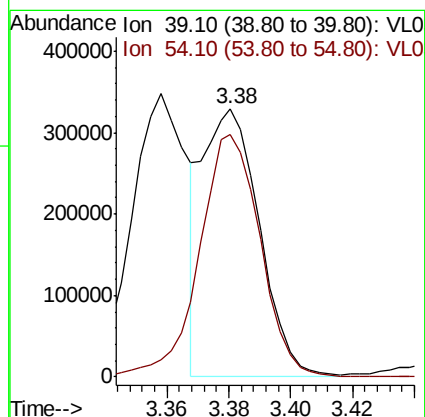
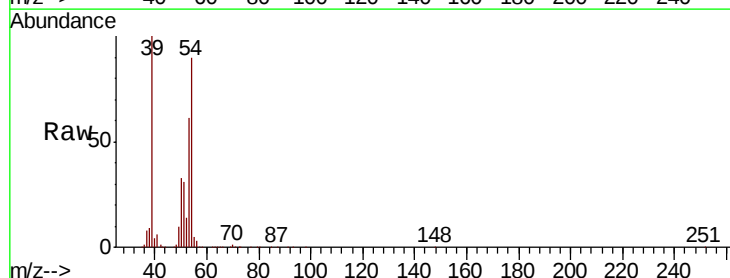
Acq: 12 Oct 2018 8:53

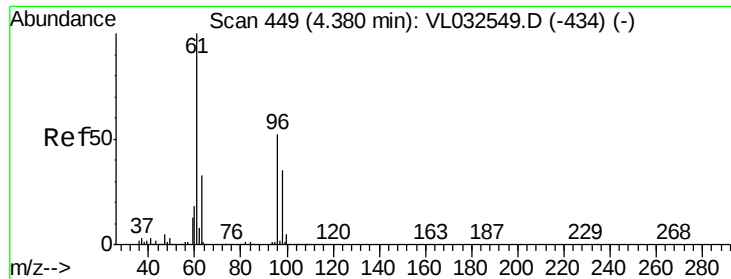
Tgt Ion: 39 Resp: 416241

Ion Ratio Lower Upper

39 100

54 98.7 80.8 121.2





#17

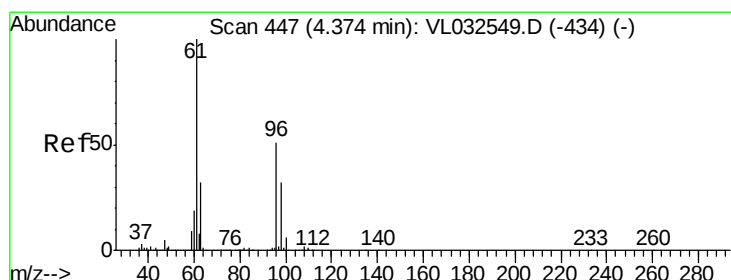
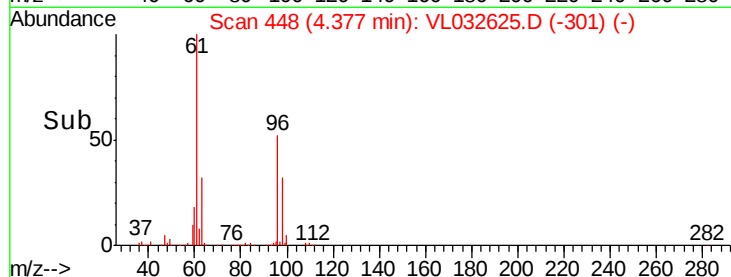
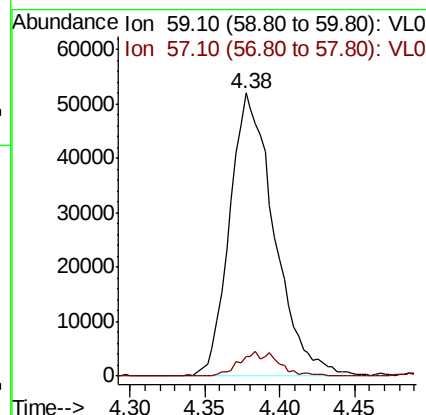
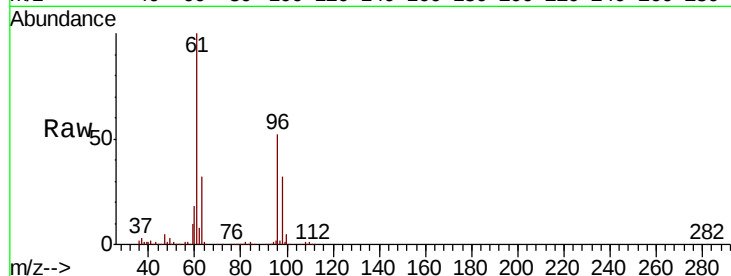
tert-Butyl alcohol
Concen: 7.575 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	0.0	0.0#

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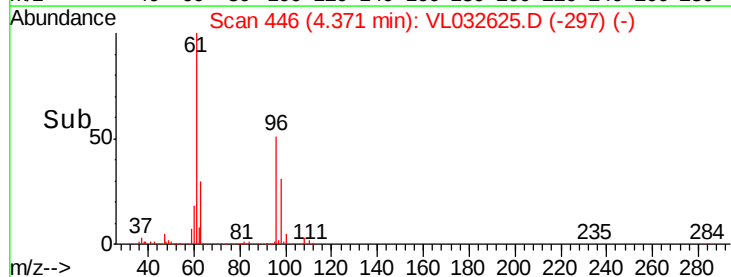
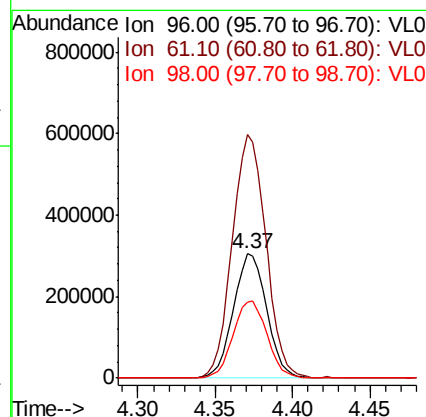
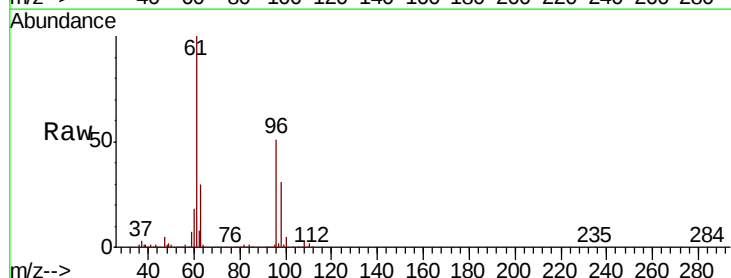
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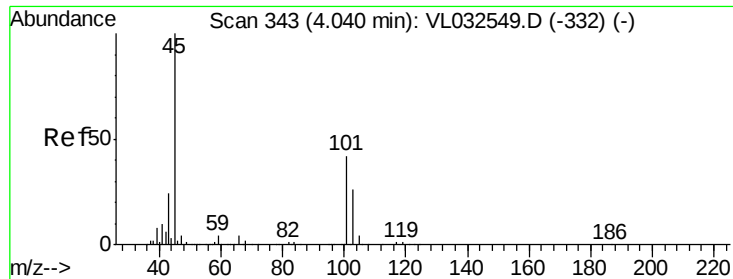


#18

1,1-Dichloroethene
Concen: 8.362 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.1	159.2	238.8
98	60.9	51.0	76.4





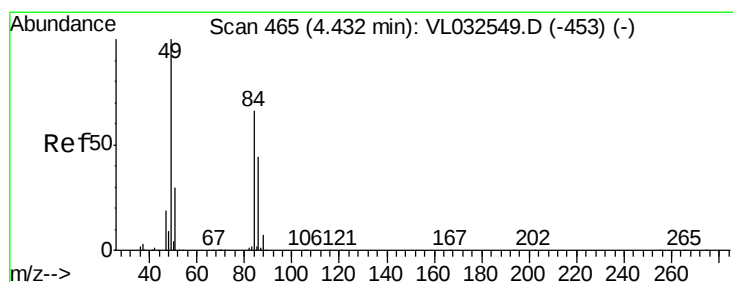
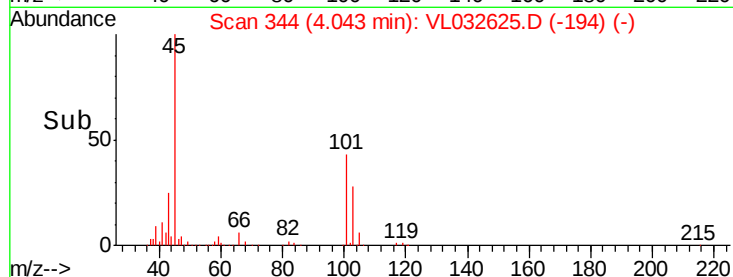
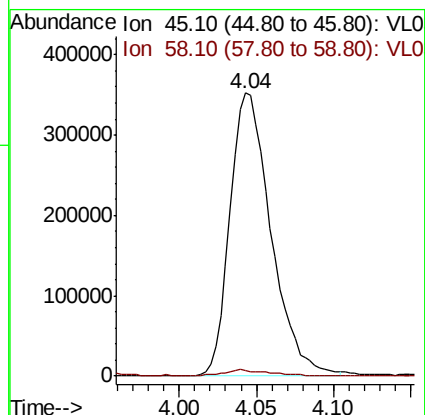
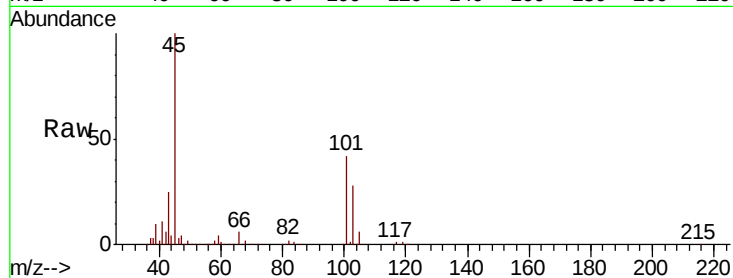
#19
Isopropyl Alcohol
Concen: 8.199 ppbv
RT: 4.04 min Scan# 344
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 647326
Ion Ratio Lower Upper
45 100
58 2.5 2.0 3.0

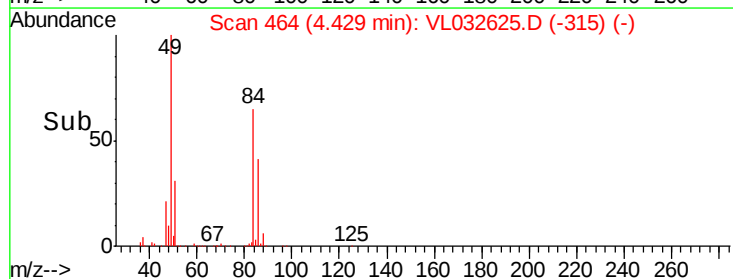
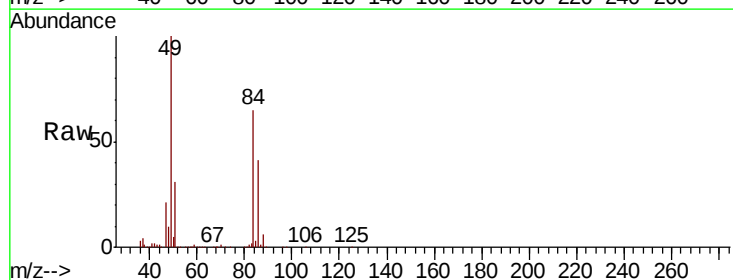
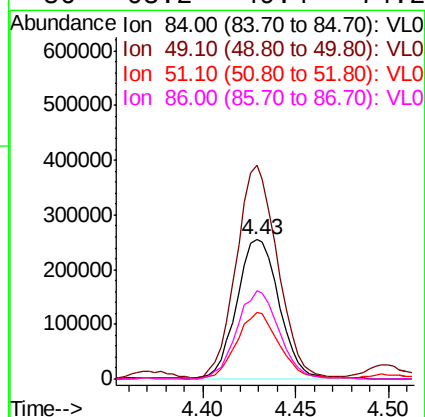
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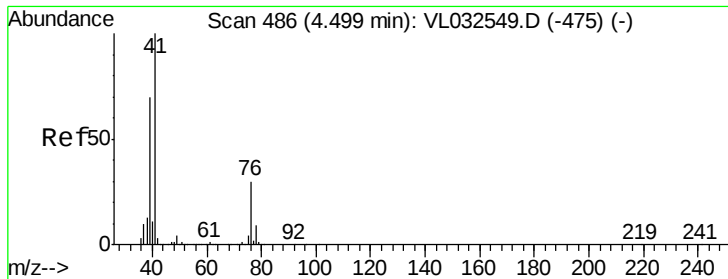
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#20
Methylene Chloride
Concen: 7.317 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion: 84 Resp: 401607
Ion Ratio Lower Upper
84 100
49 152.5 119.1 178.7
51 46.9 35.2 52.8
86 63.2 49.4 74.2





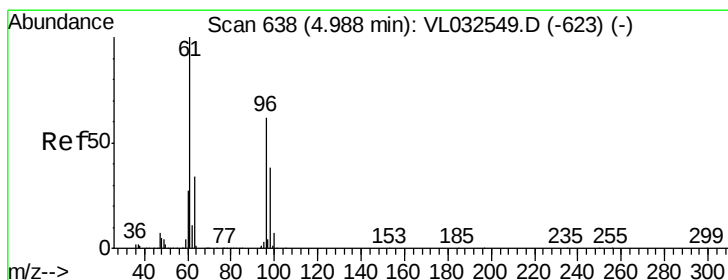
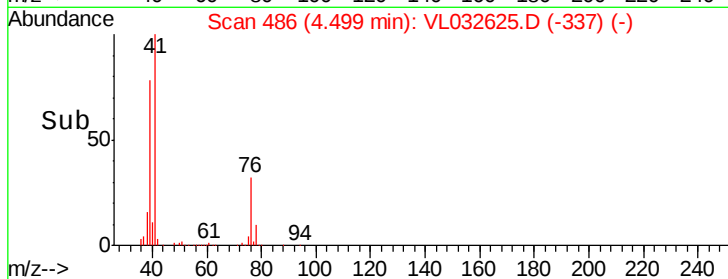
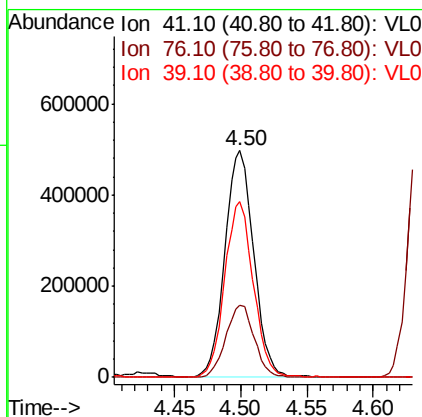
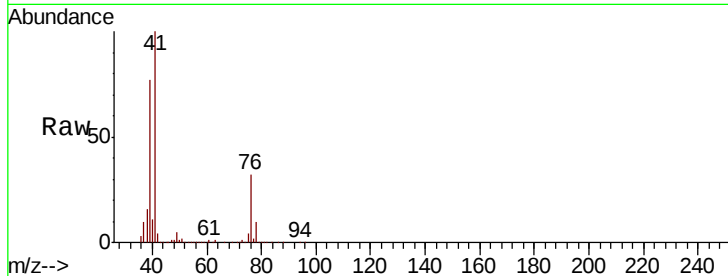
#21
Allvl Chloride
Concen: 8.093 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.4	23.6	35.4
39	77.2	57.7	86.5

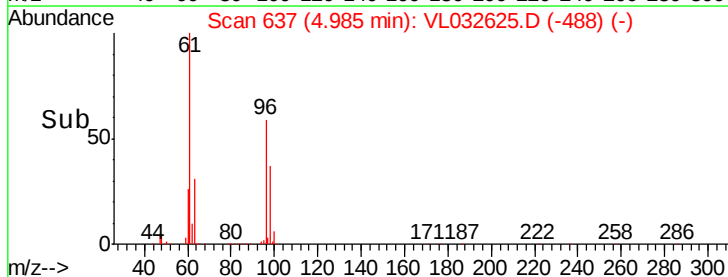
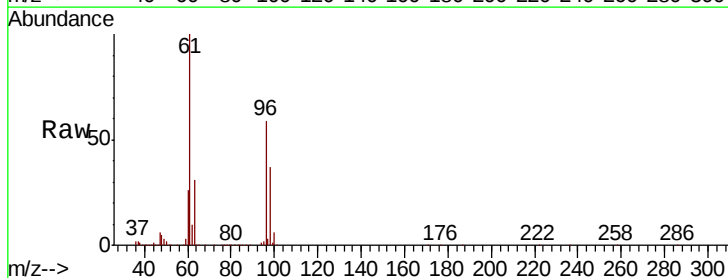
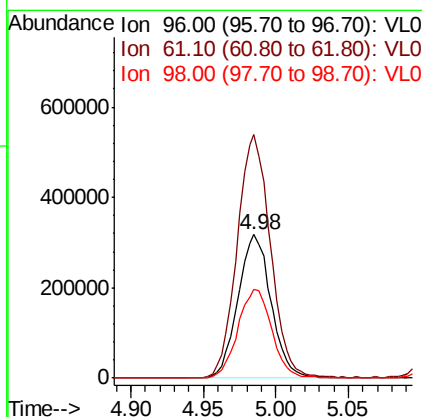
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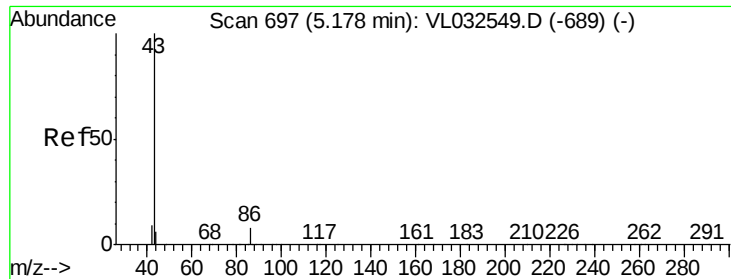
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#22
trans-1,2-Dichloroethene
Concen: 9.829 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	136.2	204.4
98	62.1	50.4	75.6





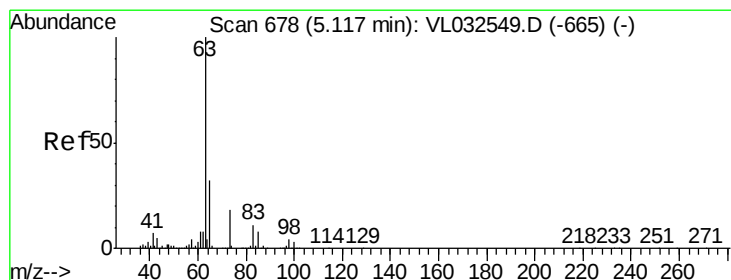
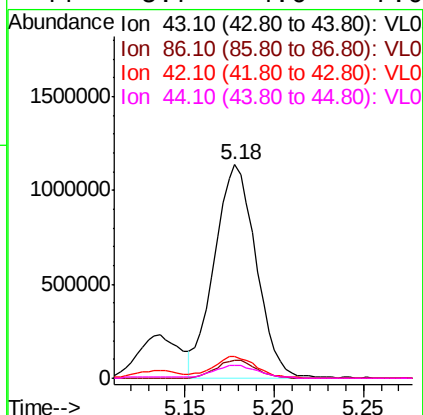
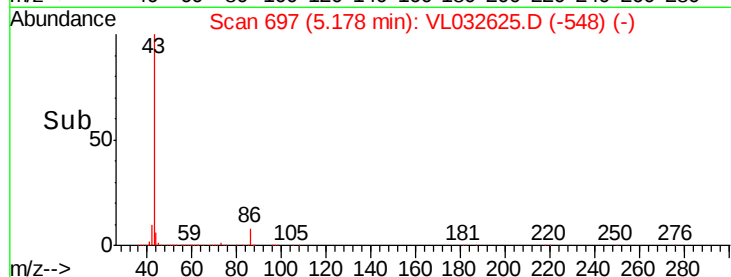
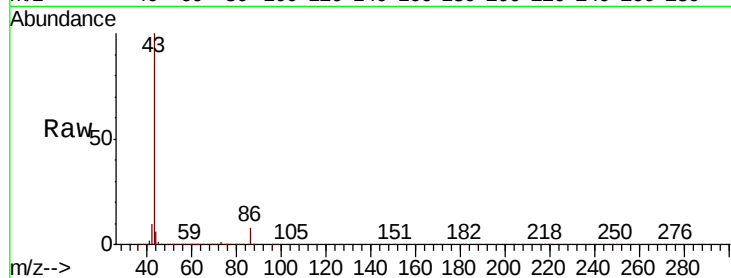
#23
 Vinyl Acetate
 Concen: 9.180 ppbv
 RT: 5.18 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	43	Resp	1838700
Ion	Ratio	Lower	Upper
43	100		
86	8.4	5.9	8.9
42	10.4	6.9	10.3#
44	5.7	4.6	7.0

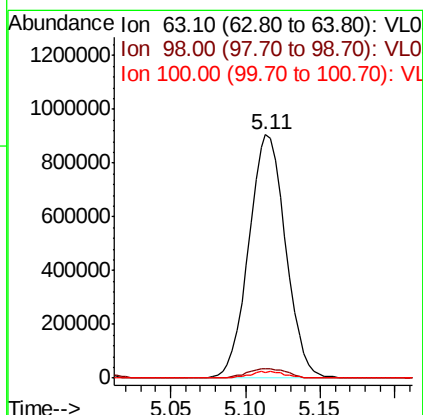
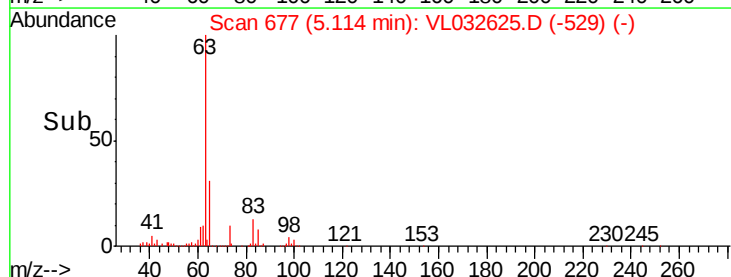
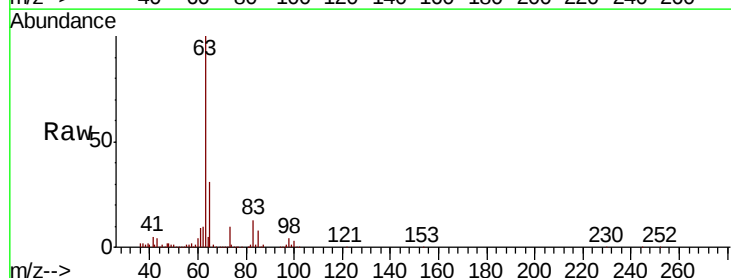
Manual Integrations
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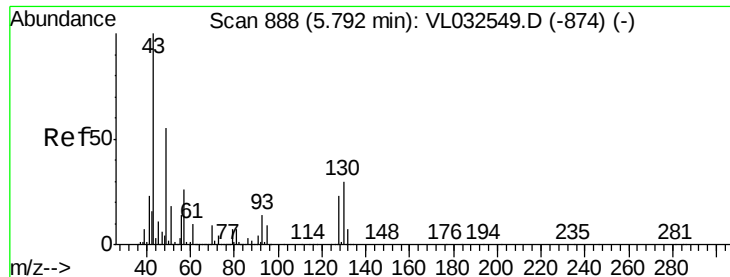
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#24
 1,1-Dichloroethane
 Concen: 9.276 ppbv
 RT: 5.11 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion	63	Resp	1547081
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.5
100	2.5	1.5	4.4





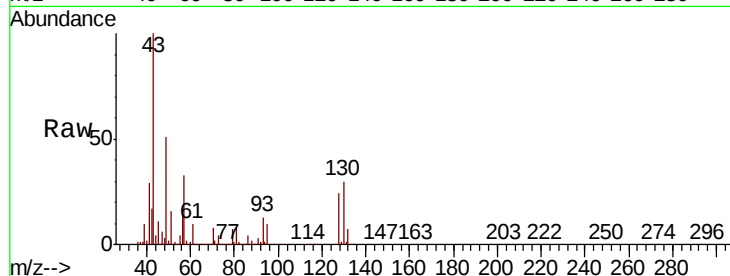
#25
Ethyl Acetate
Concen: 9.423 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.8	7.6	11.4
70	7.4	5.8	8.8

Manual Integrations
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MMDadoda
10/12/2018 2:07:49 PM



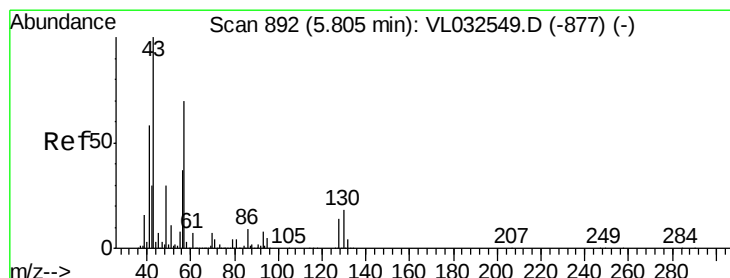
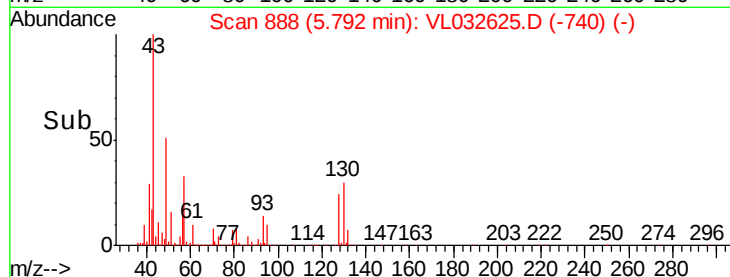
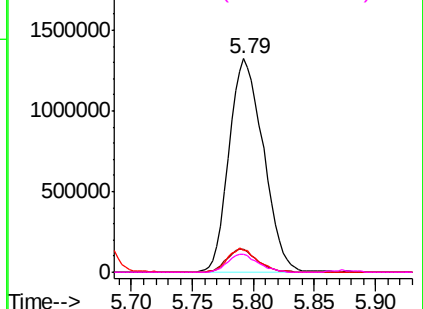
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.683 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.9	69.0	103.4
43	216.1	172.1	258.1
56	54.0	42.2	63.2

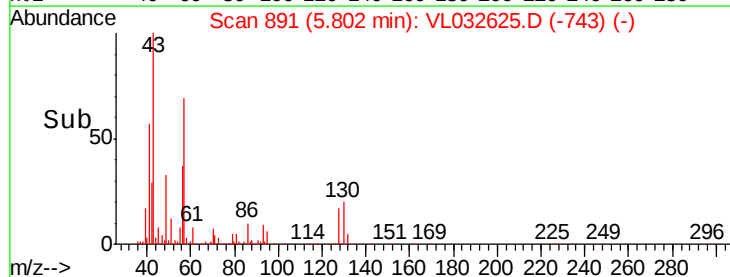
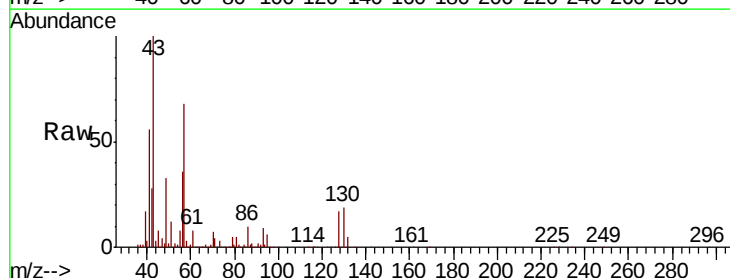
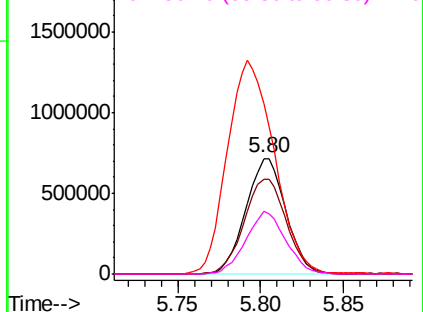
Abundance

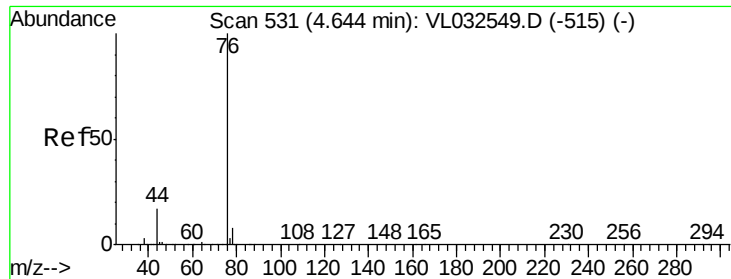
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





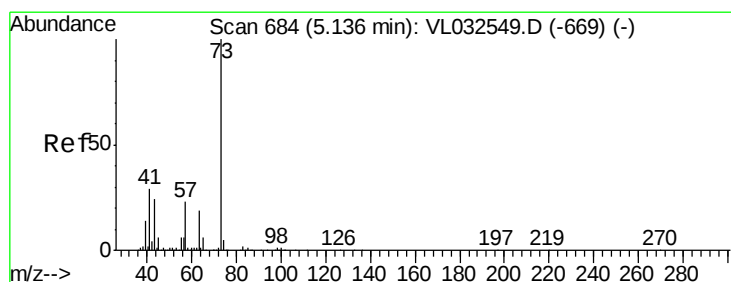
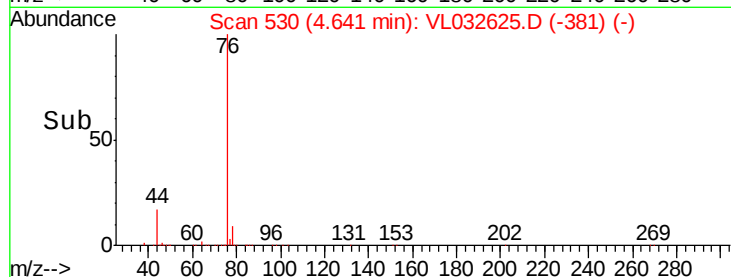
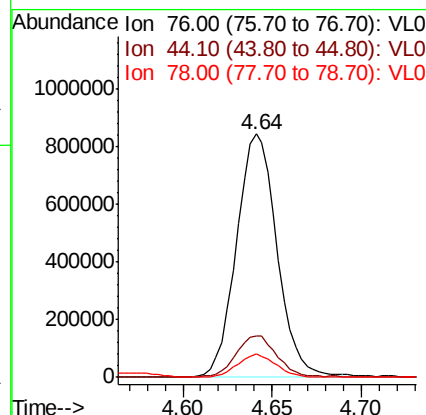
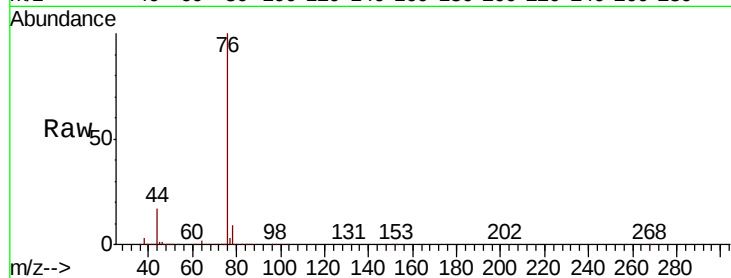
#27
Carbon Disulfide
Concen: 10.023 ppbv
RT: 4.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.3	14.0	21.0
78	9.1	7.5	11.3

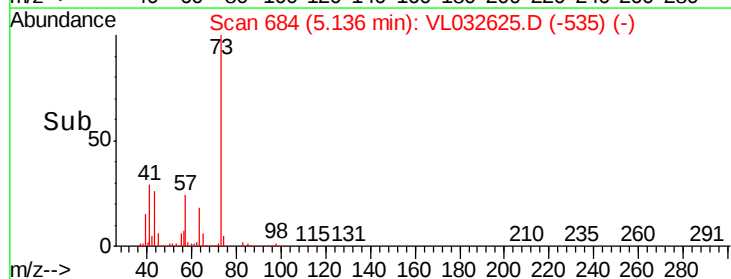
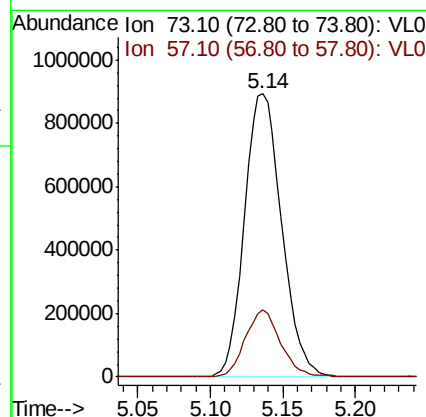
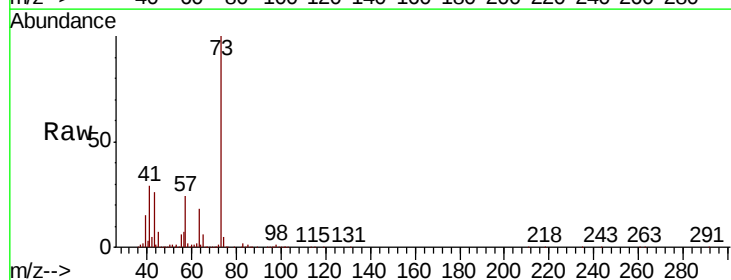
Manual Integrations
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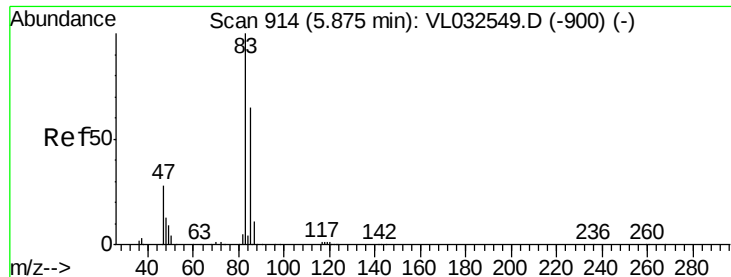
MMDadoda
10/12/2018 2:07:49 PM



#28
Methyl tert-Butyl Ether
Concen: 10.307 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.3	28.9





#29

Chloroform

Concen: 10.445 ppbv

RT: 5.88 min Scan# 914

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1990968

Ion Ratio Lower Upper

83 100

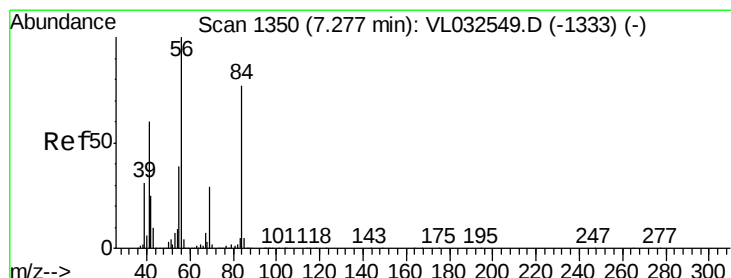
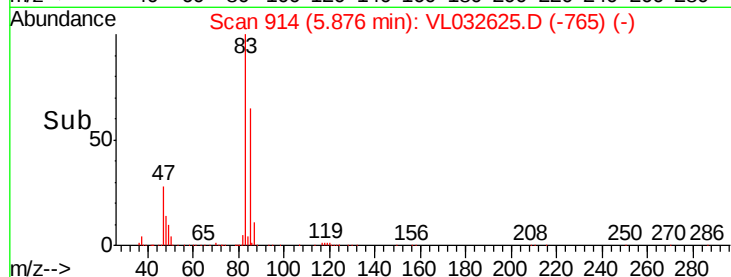
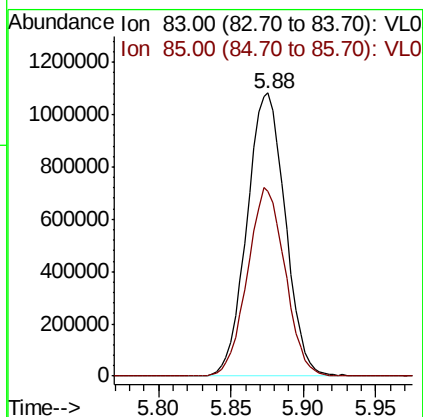
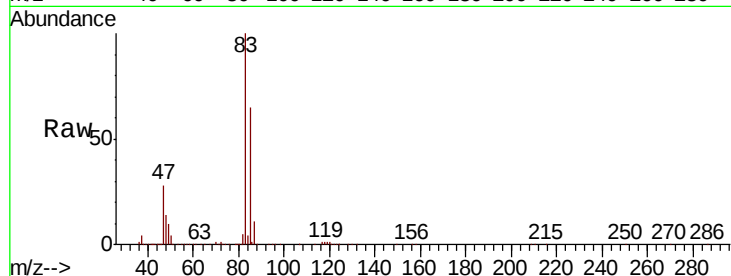
85 65.0 52.5 78.7

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#30

Cyclohexane

Concen: 10.232 ppbv

RT: 7.27 min Scan# 1348

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

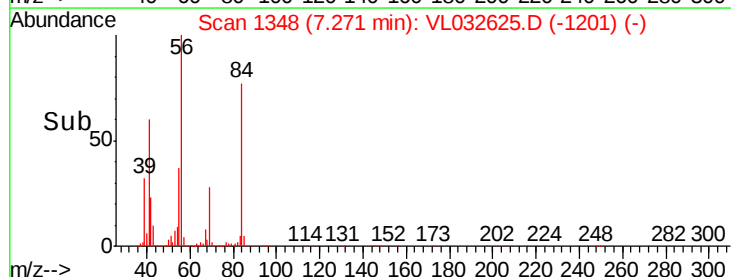
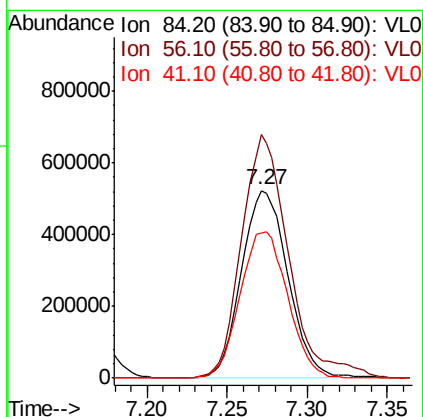
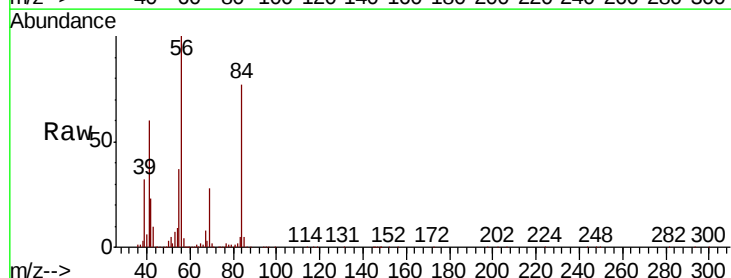
Tgt Ion: 84 Resp: 1035001

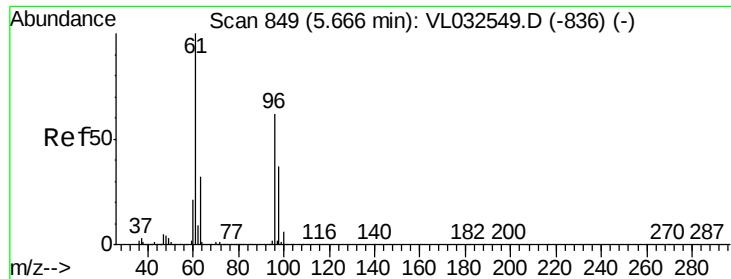
Ion Ratio Lower Upper

84 100

56 132.9 113.5 170.3

41 80.4 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 9.323 ppbv

RT: 5.67 min Scan# 849

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

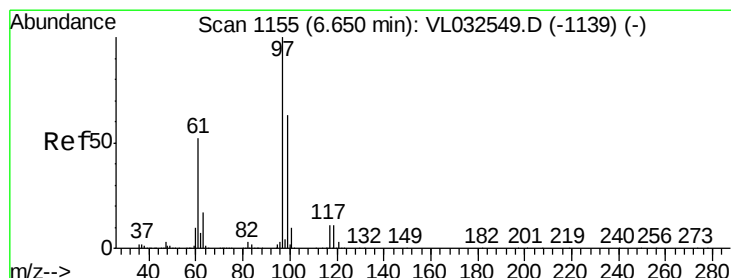
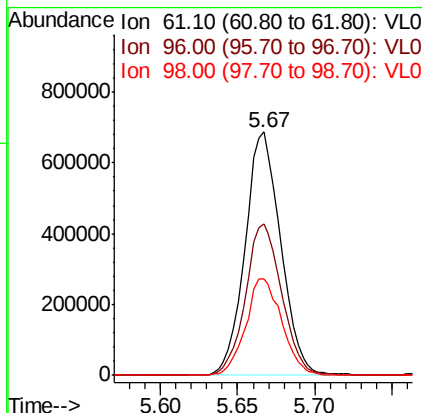
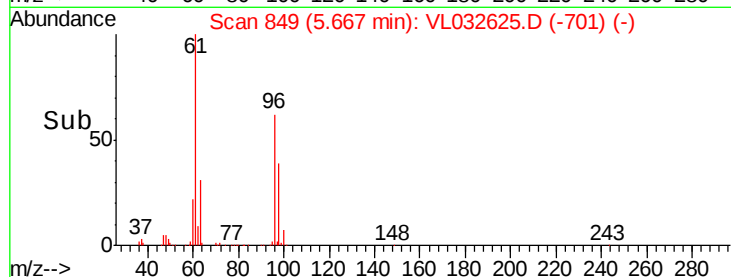
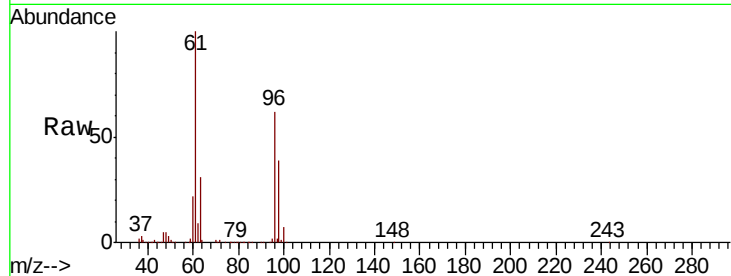
ClientSampleId :

VSTDCCC010EC

Tot Ion:	61	Resp:	1103141
Ion	Ratio	Lower	Upper
61	100		
96	62.1	49.2	73.8
98	39.4	30.7	46.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.124 ppbv

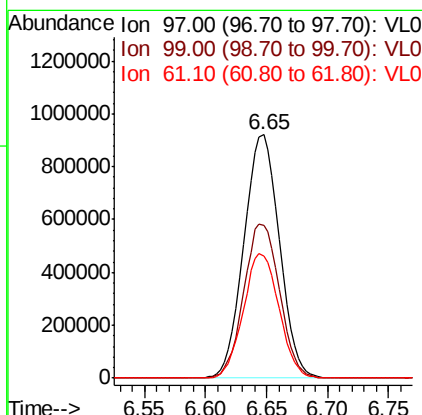
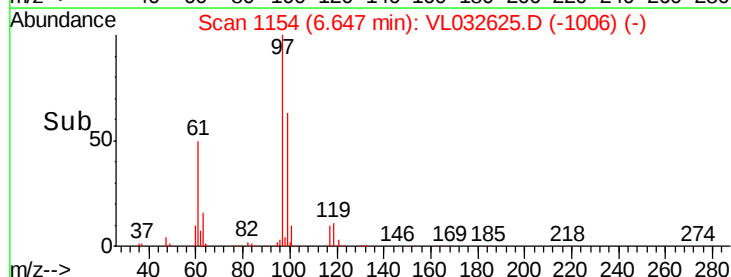
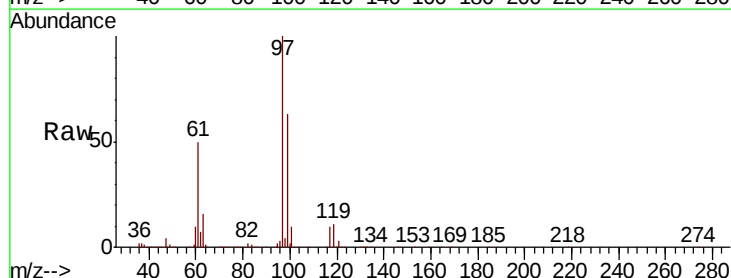
RT: 6.65 min Scan# 1154

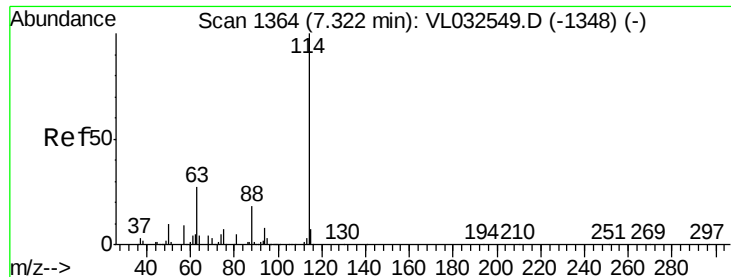
Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Tgt Ion:	97	Resp:	1853379
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	51.4	42.5	63.7





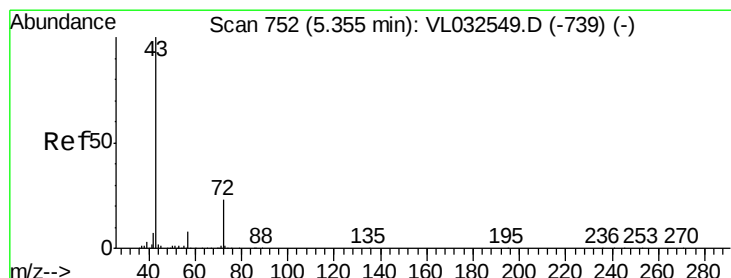
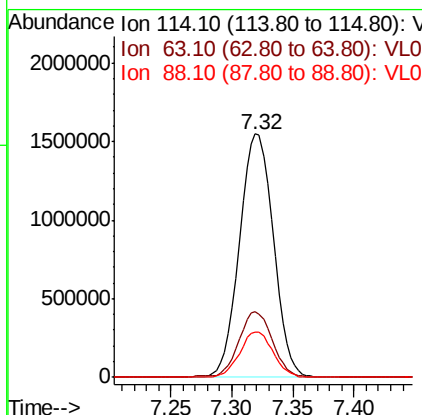
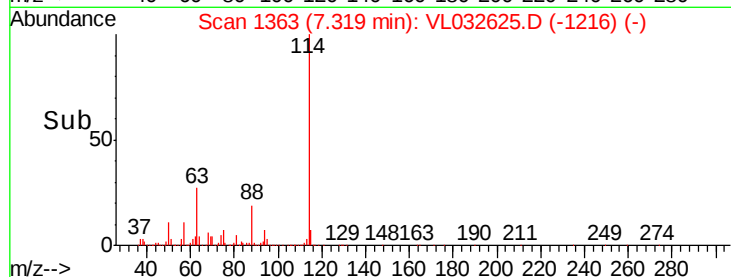
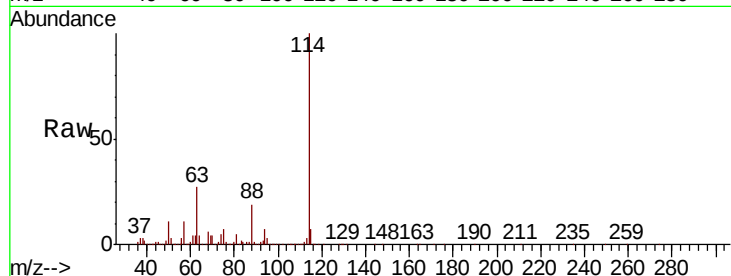
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	18.3	15.0	22.4

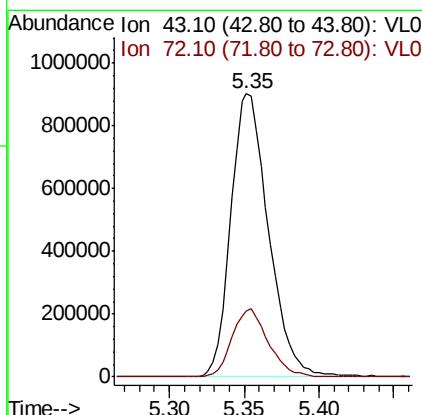
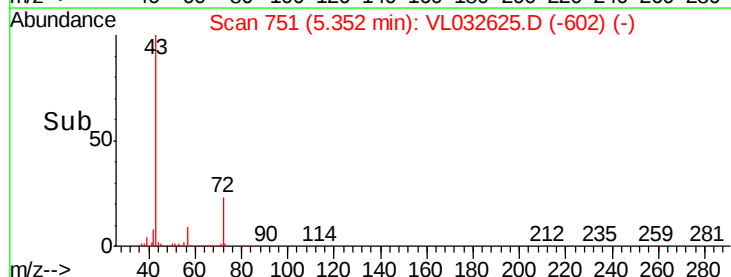
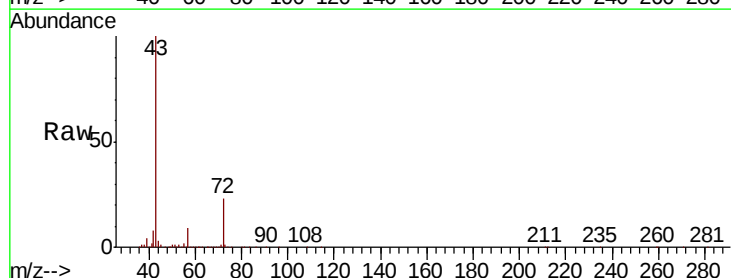
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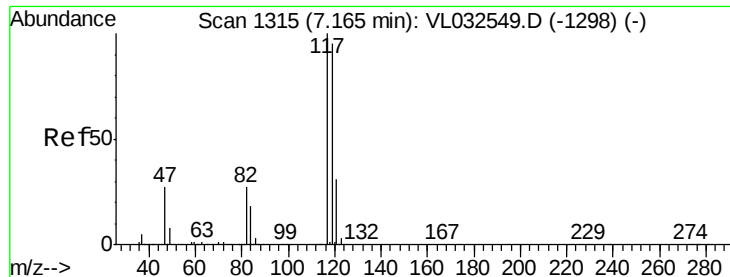
MMDadoda
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#34
 2-Butanone
 Concen: 8.866 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.8	26.6





#35

Carbon Tetrachloride

Concen: 10.097 ppbv

RT: 7.16 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2084079

Ion Ratio Lower Upper

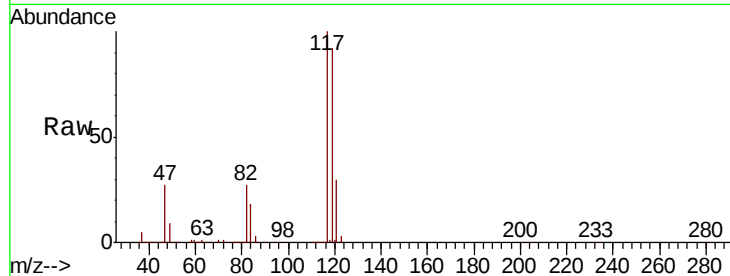
117 100

119 92.2 76.6 115.0

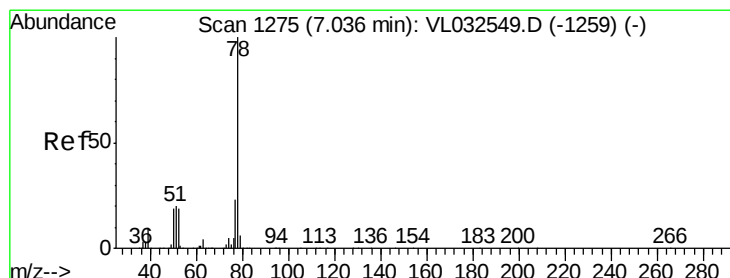
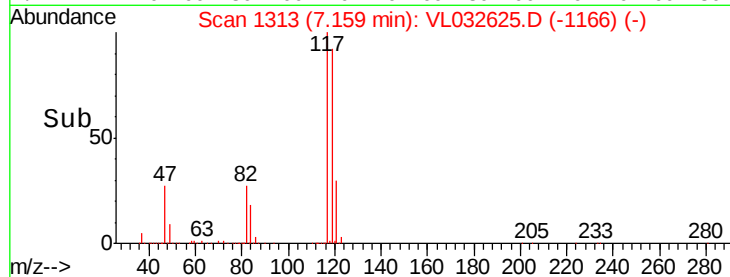
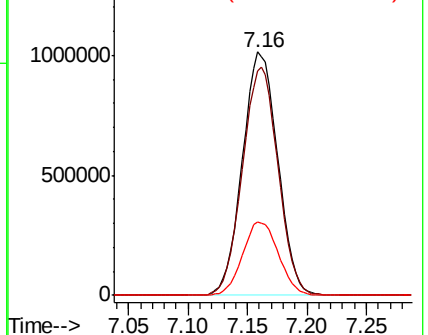
121 30.2 24.6 36.8

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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: 10.083 ppbv

RT: 7.03 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

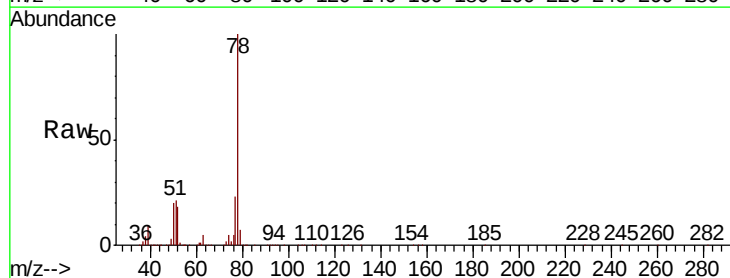
Tgt Ion: 78 Resp: 2420324

Ion Ratio Lower Upper

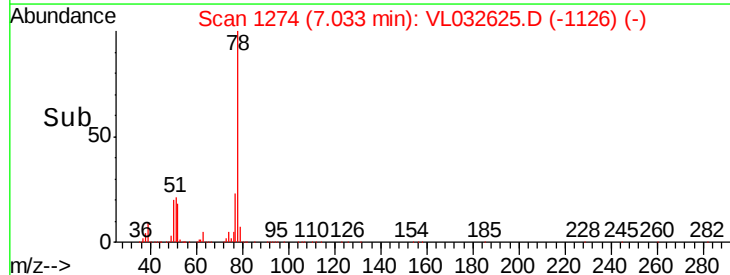
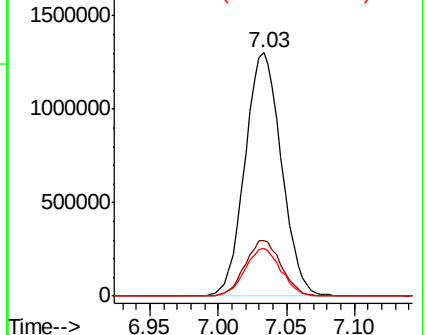
78 100

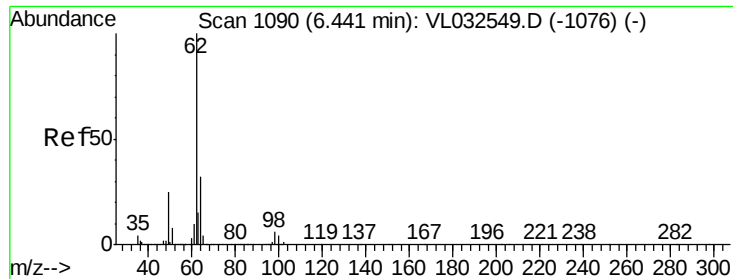
77 23.0 18.4 27.6

50 19.7 14.4 21.6



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





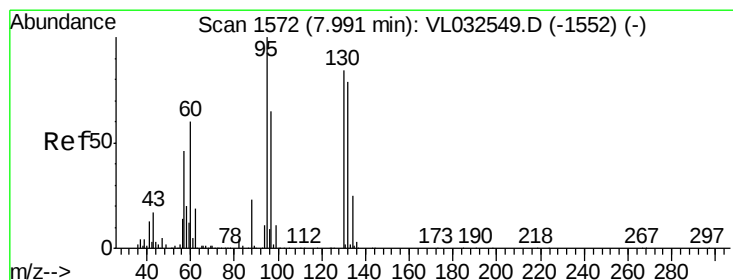
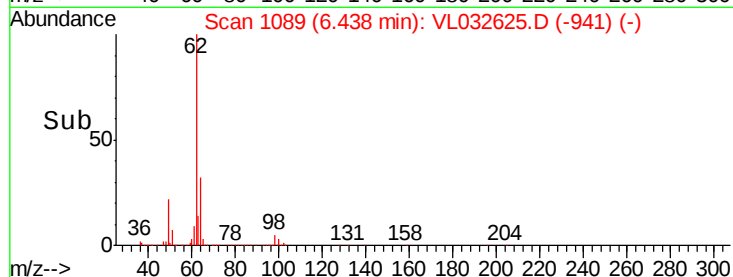
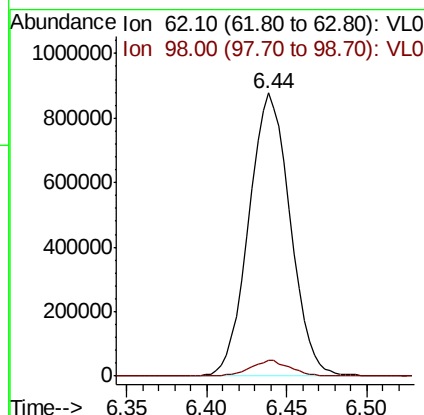
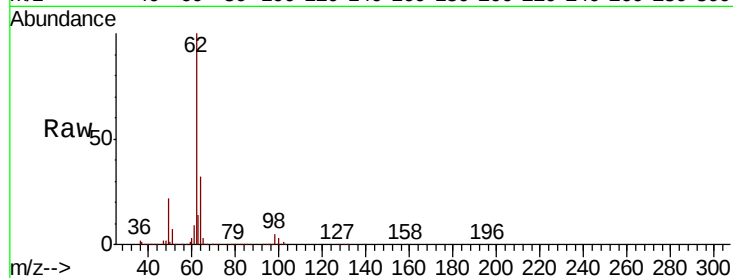
#37
 1,2-Dichloroethane
 Concen: 10.750 ppbv
 RT: 6.44 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	5.0	7.6

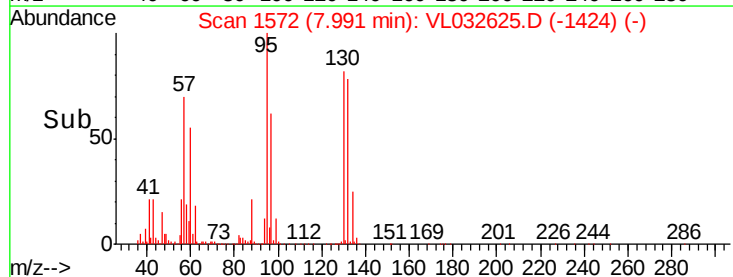
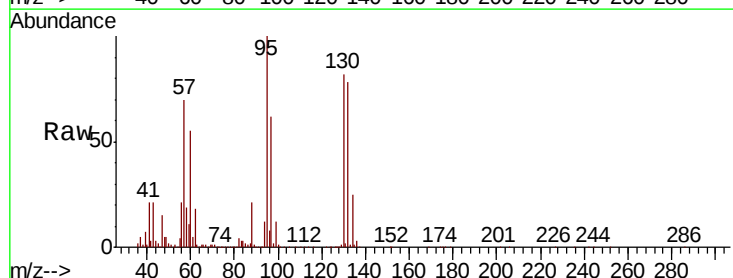
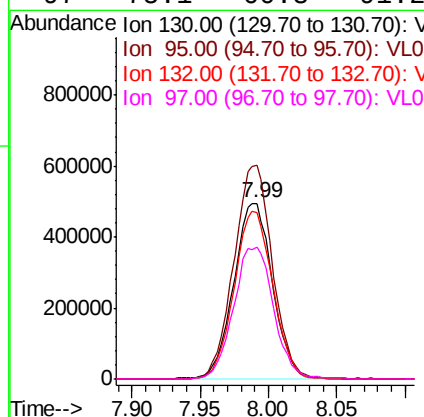
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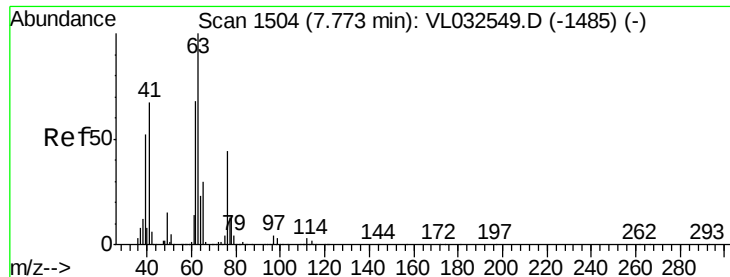
MMDadoda
 10/12/2018 2:07:49 PM



#38
 Trichloroethene
 Concen: 10.551 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.5	94.2	141.4
132	94.4	76.2	114.4
97	75.1	60.8	91.2





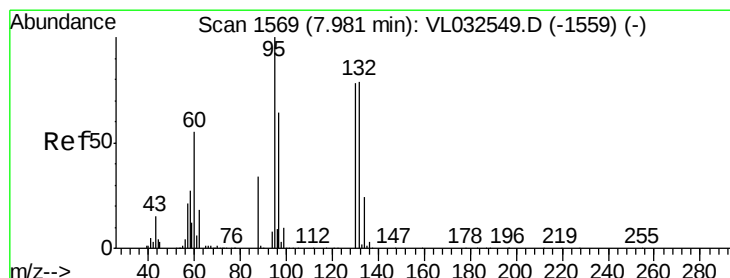
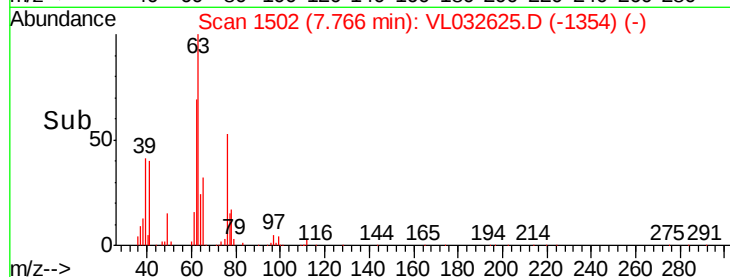
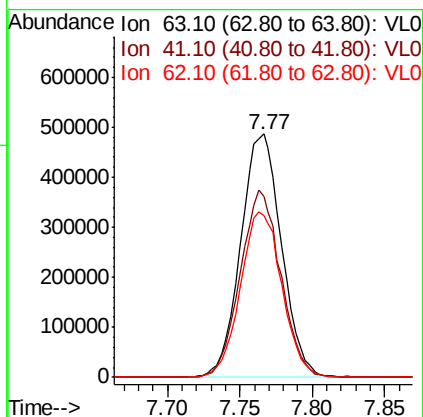
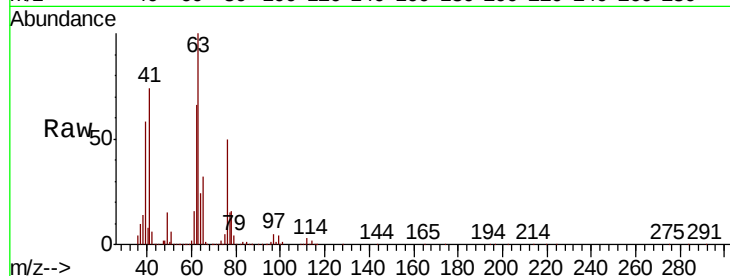
#39
 1,2-Dichloropropane
 Concen: 8.812 ppbv
 RT: 7.77 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.3	55.4	83.0
62	66.1	55.4	83.0

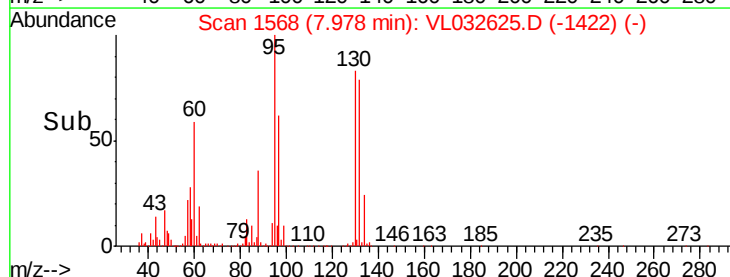
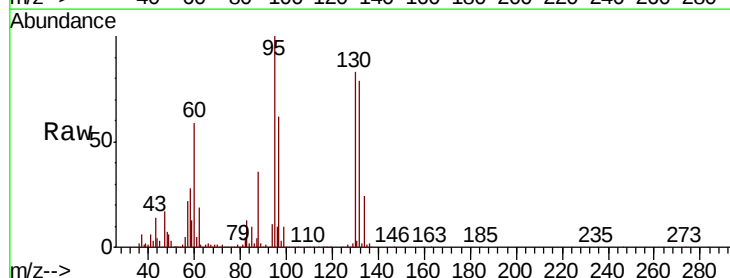
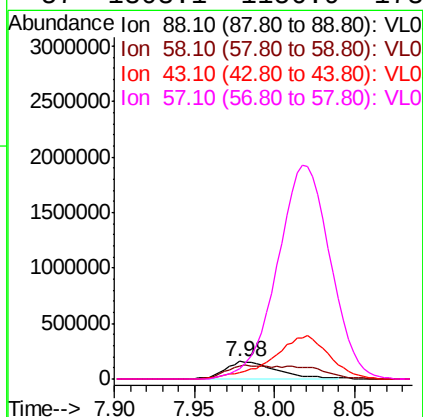
Manual Integrations
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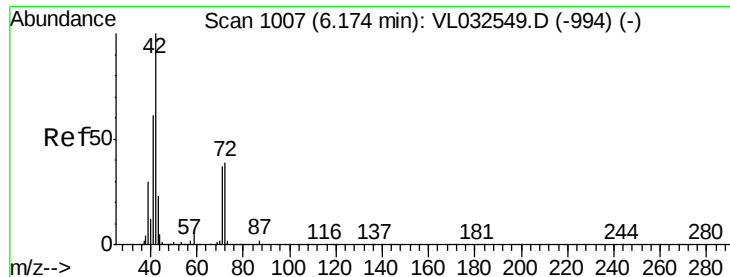
MMDadoda
 10/12/2018 2:07:49 PM



#40
 1,4-Dioxane
 Concen: 10.334 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	138.1	119.7	179.5
43	282.7	253.0	379.4
57	1303.1	1156.9	1735.3





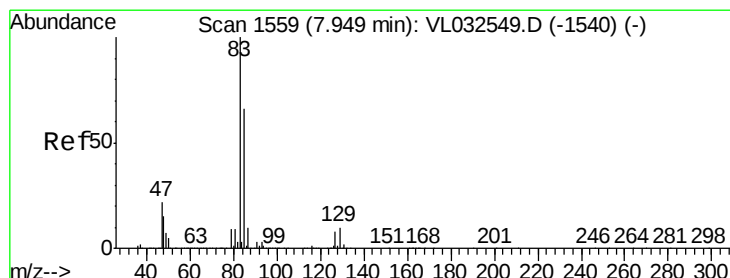
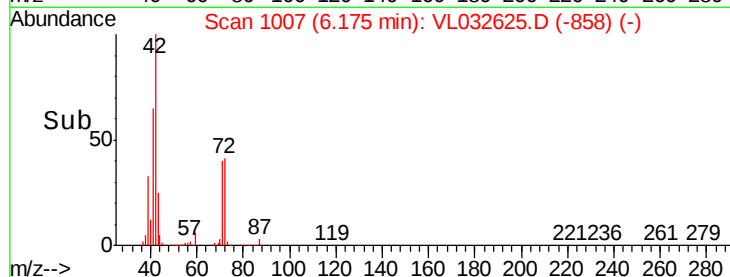
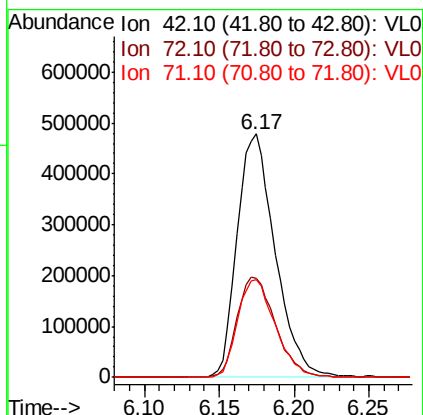
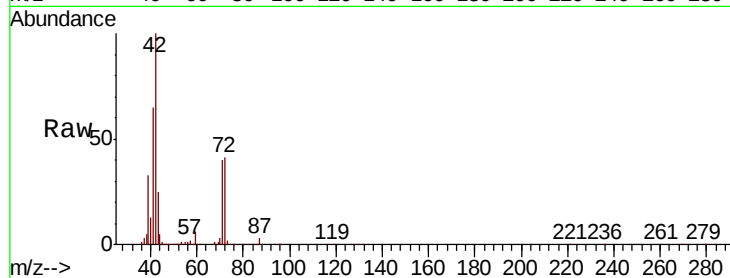
#41
Tetrahydrofuran
Concen: 8.815 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	29.5	44.3
71	40.2	28.3	42.5

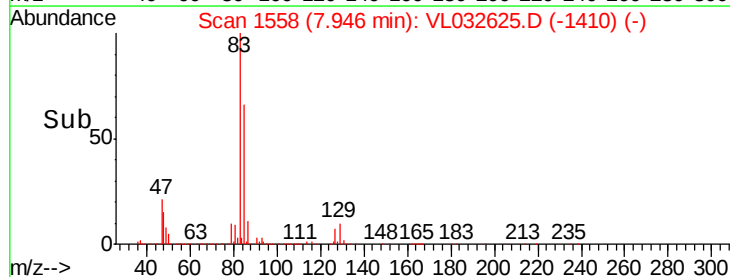
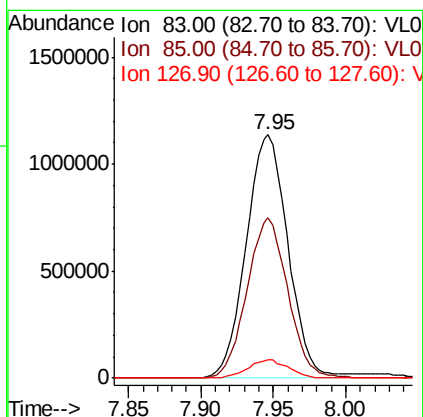
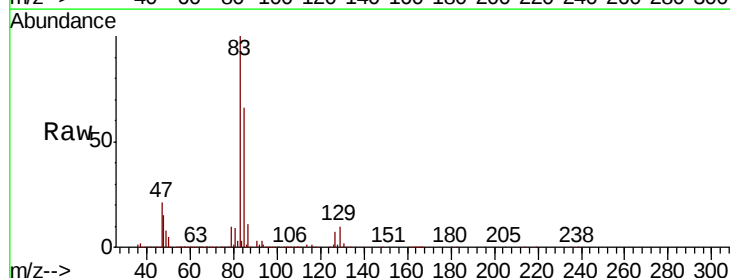
Manual Integrations
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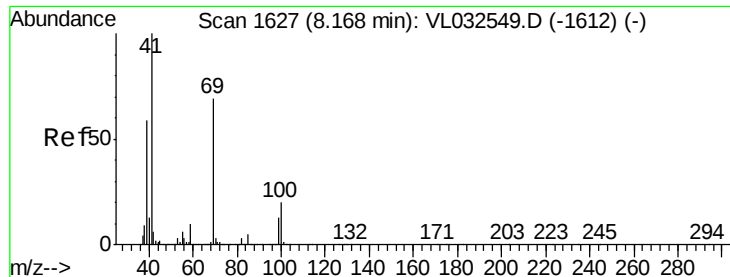
MMDadoda
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#42
Bromodichloromethane
Concen: 10.512 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.1	76.7
127	7.5	5.8	8.8





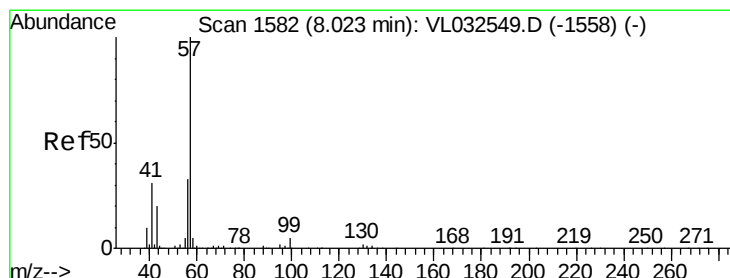
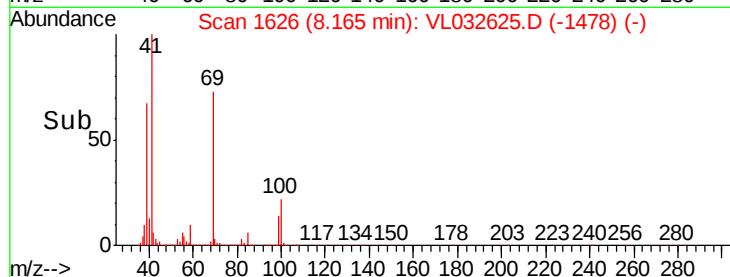
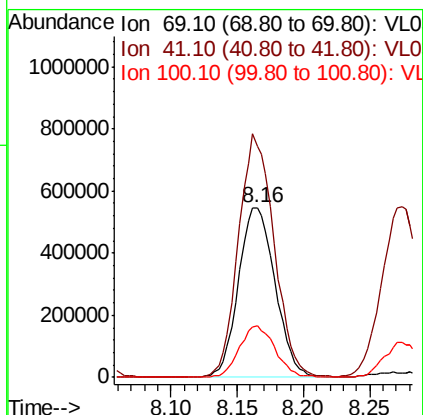
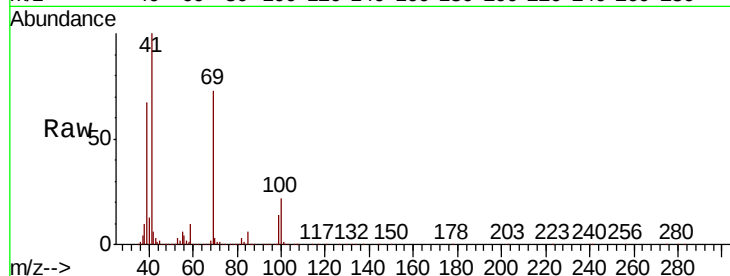
#43
Methvl Methacrvlate
Concen: 10.480 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1050941
Ion Ratio Lower Upper
69 100
41 139.3 117.1 175.7
100 29.7 23.4 35.2

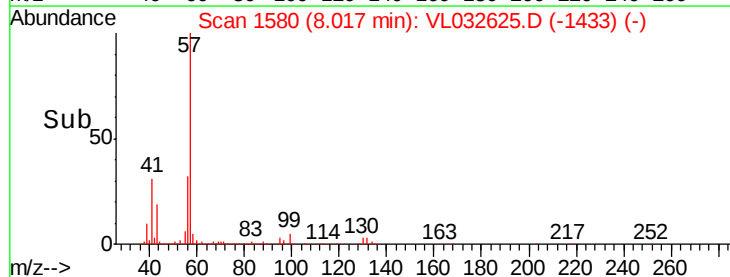
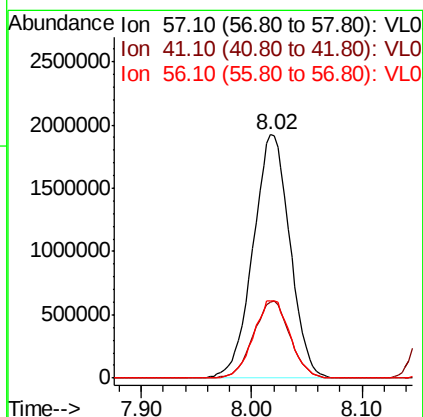
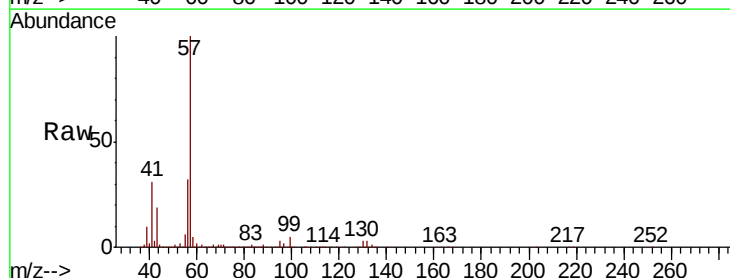
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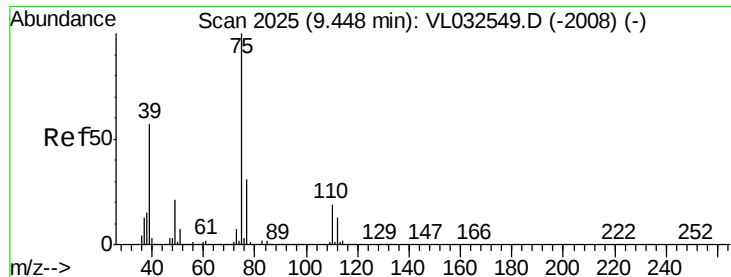
MMDadoda
10/12/2018 2:07:49 PM



#44
2,2,4-Trimethylpentane
Concen: 9.503 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion: 57 Resp: 4457980
Ion Ratio Lower Upper
57 100
41 31.6 24.4 36.6
56 31.6 25.7 38.5





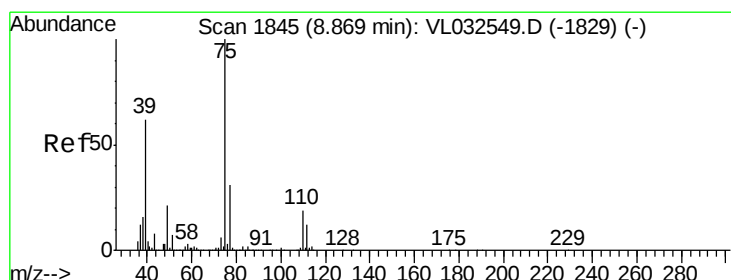
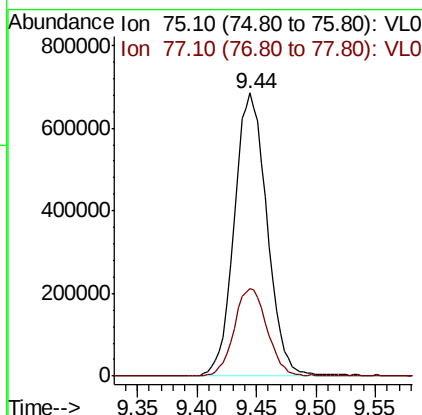
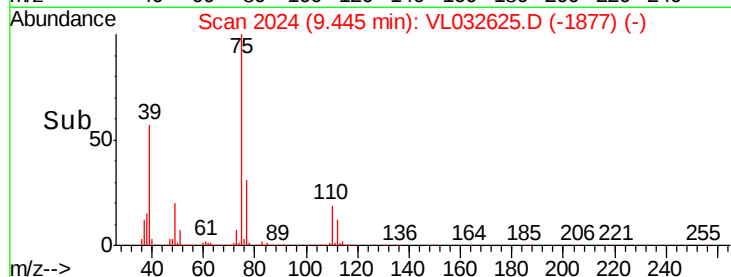
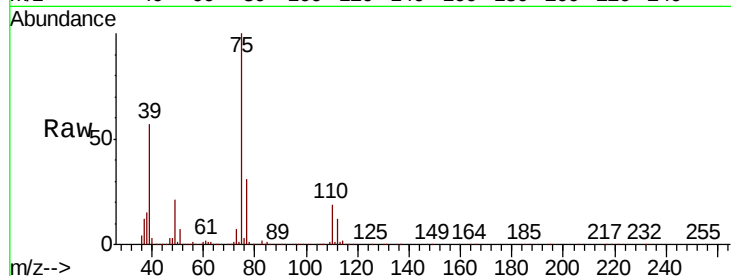
#45
t-1,3-Dichloropropene
Concen: 10.438 ppbv
RT: 9.44 min Scan# 2024
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1301981
Ion Ratio Lower Upper
75 100
77 30.8 26.2 39.2

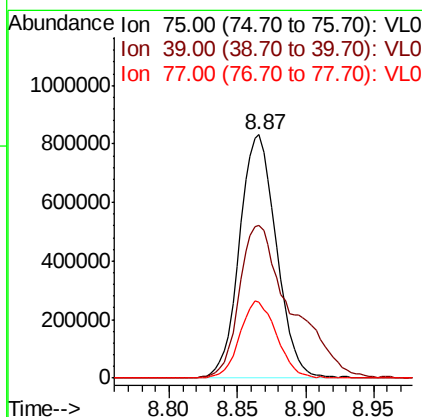
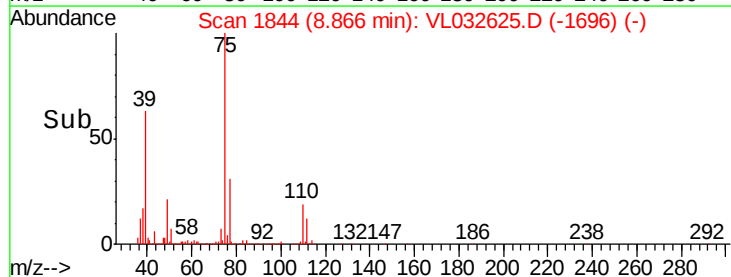
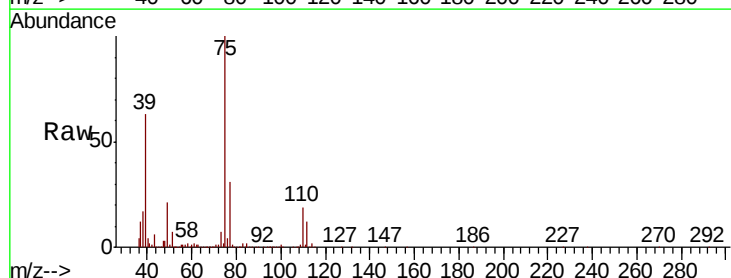
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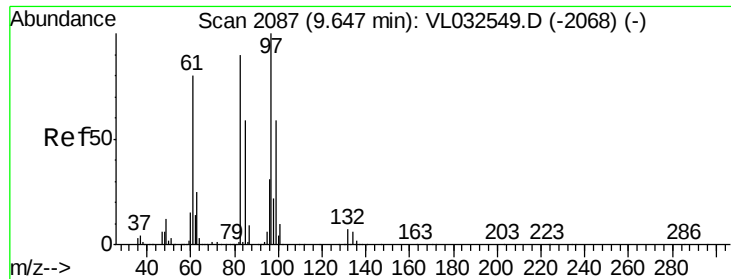
MMDadoda
10/12/2018 2:07:49 PM



#46
cis-1,3-Dichloropropene
Concen: 10.661 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion: 75 Resp: 1559865
Ion Ratio Lower Upper
75 100
39 62.6 48.9 73.3
77 30.9 25.4 38.0





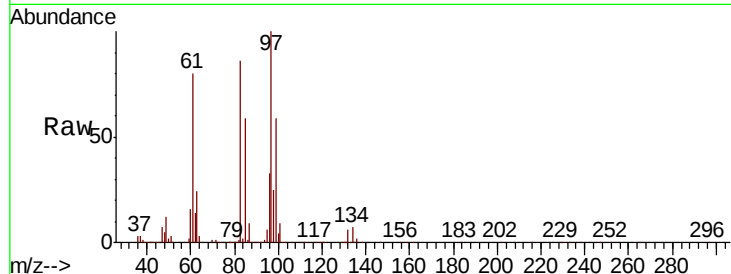
#47
 1,1,2-Trichloroethane
 Concen: 8.570 ppbv
 RT: 9.64 min Scan# 2086
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	75.0	112.4
85	58.5	47.5	71.3
99	59.4	49.0	73.6

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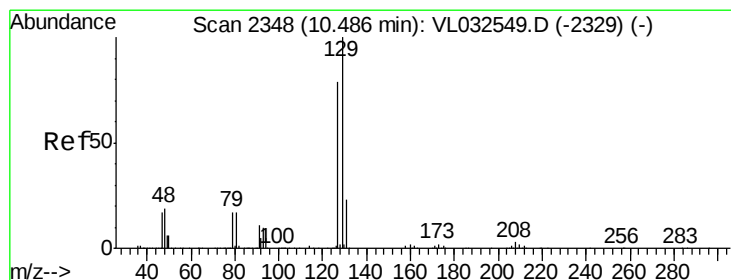
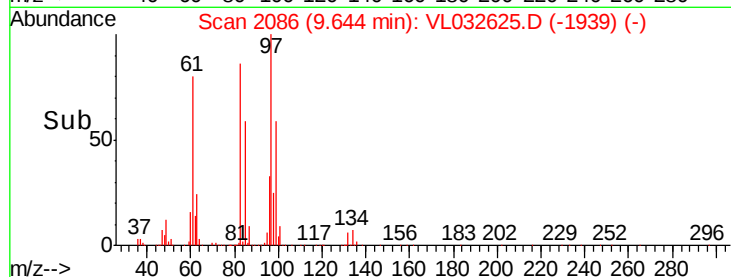
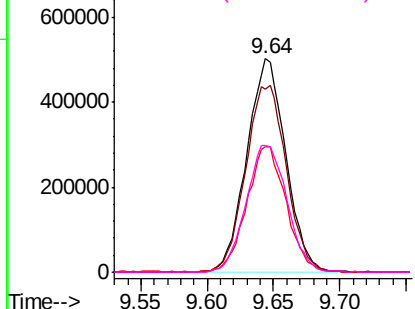
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

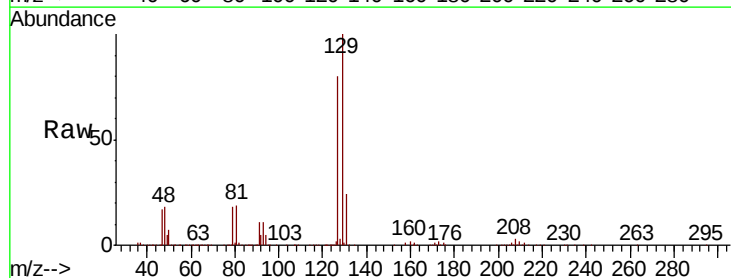
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.470 ppbv
 RT: 10.48 min Scan# 2346
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

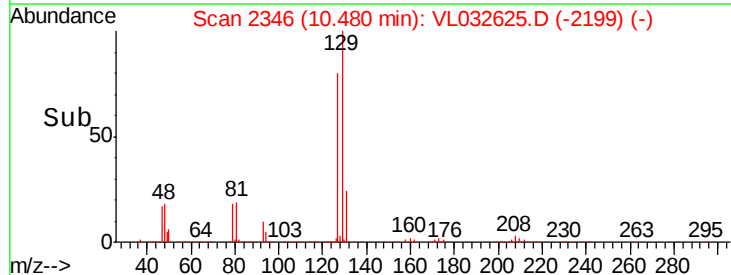
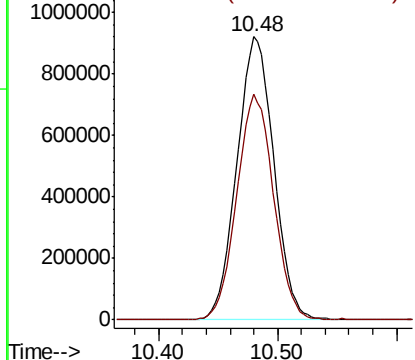
Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.5	118.3

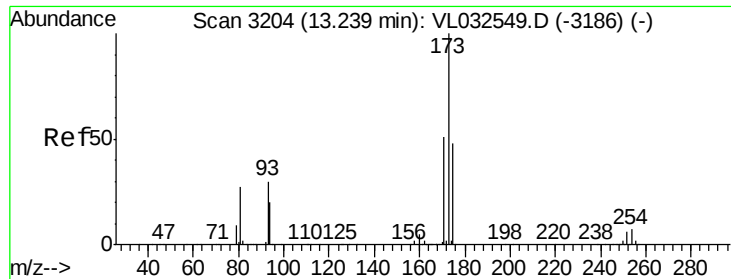


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





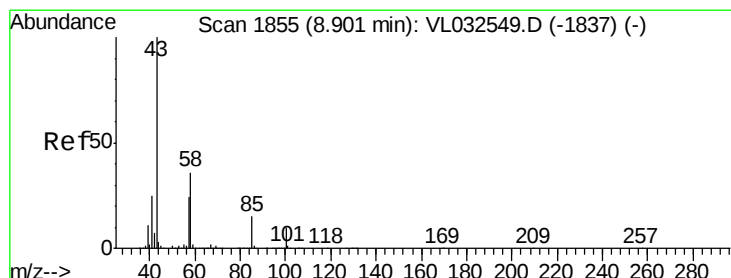
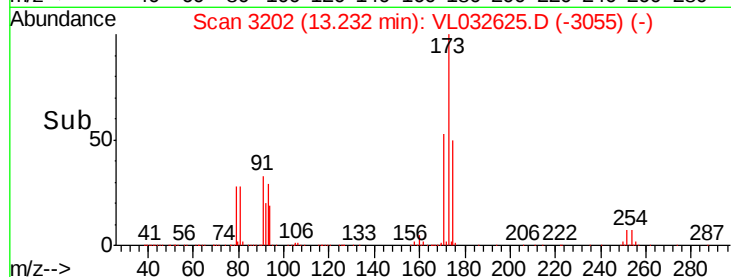
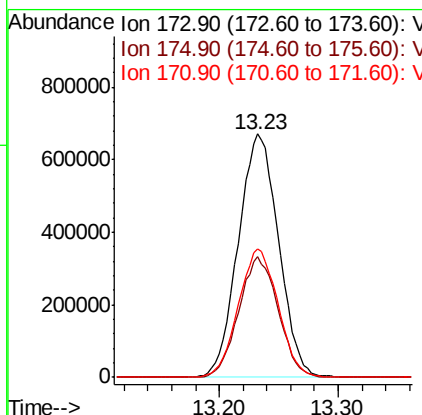
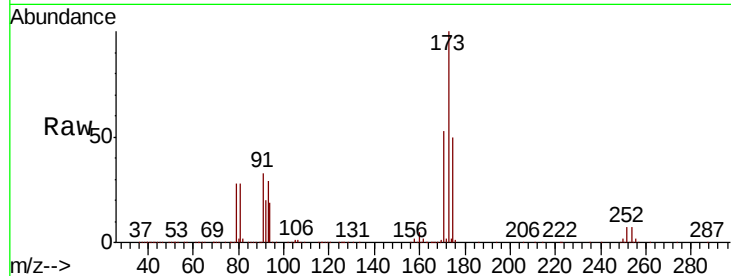
#49
Bromoform
Concen: 10.842 ppbv
RT: 13.23 min Scan# 3202
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1565127
Ion Ratio Lower Upper
173 100
175 48.8 38.9 58.3
171 52.2 41.6 62.4

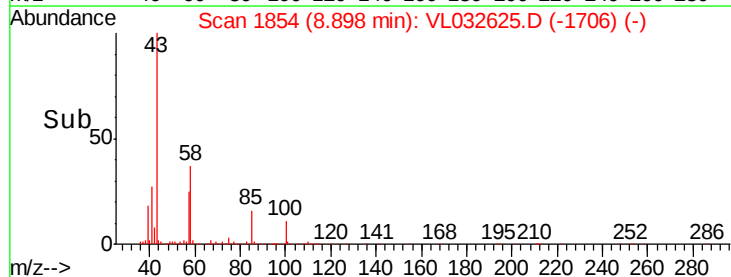
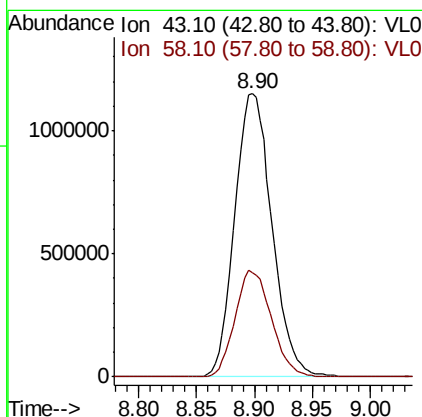
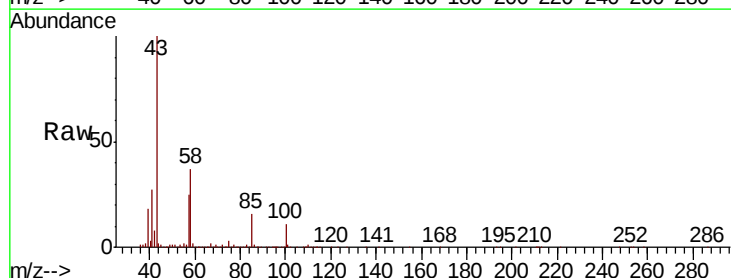
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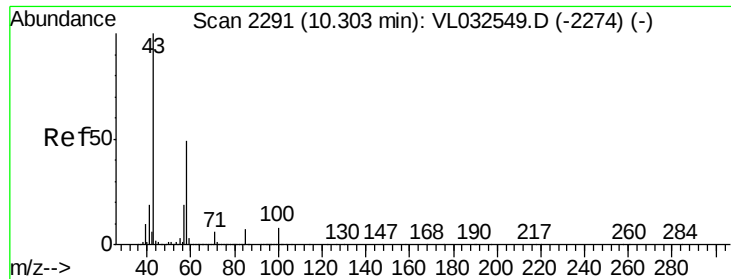
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.216 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. -0.02 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion: 43 Resp: 2562306
Ion Ratio Lower Upper
43 100
58 36.9 29.0 43.4





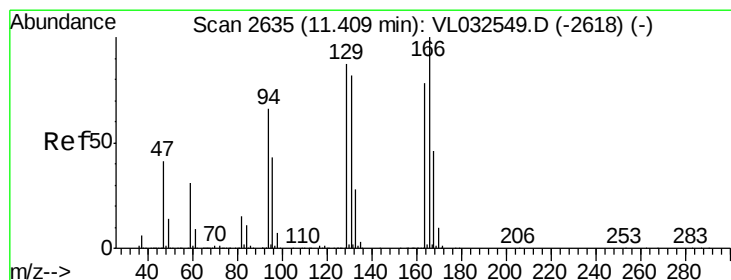
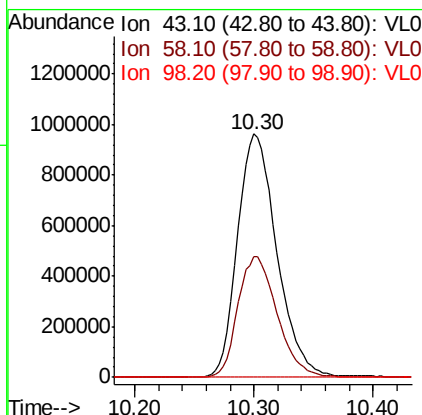
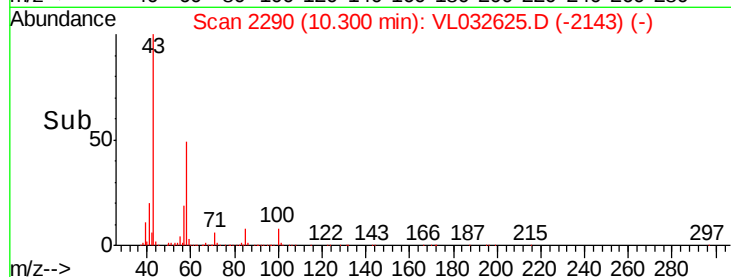
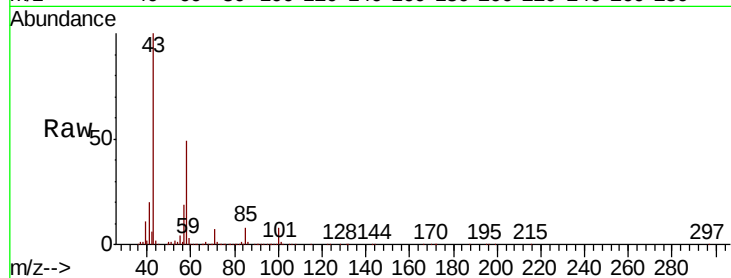
#51
2-Hexanone
Concen: 9.572 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.2	58.8
98	0.6	0.4	0.6

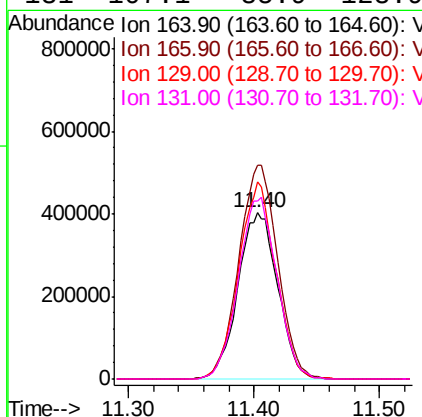
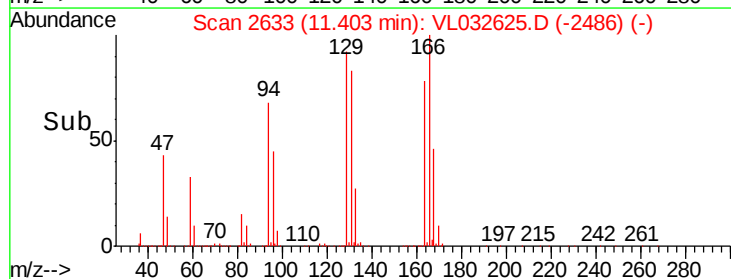
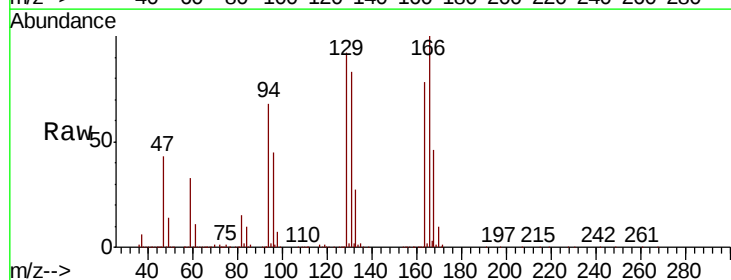
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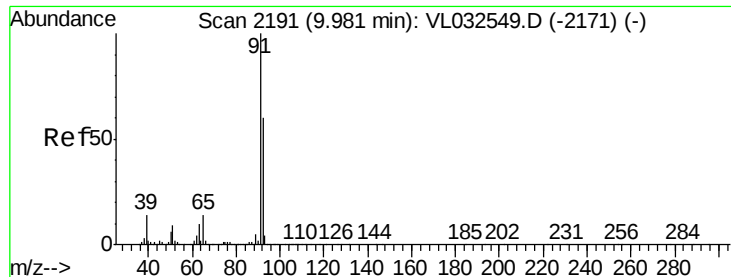
MMDadoda
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#52
Tetrachloroethene
Concen: 10.537 ppbv
RT: 11.40 min Scan# 2633
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.6	150.8
129	118.4	89.9	134.9
131	107.1	85.9	128.9





#53

Toluene

Concen: 10.658 ppbv

RT: 9.98 min Scan# 2189

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3117798

Ion Ratio Lower Upper

91 100

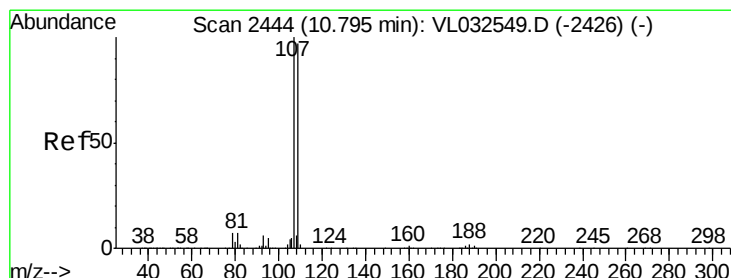
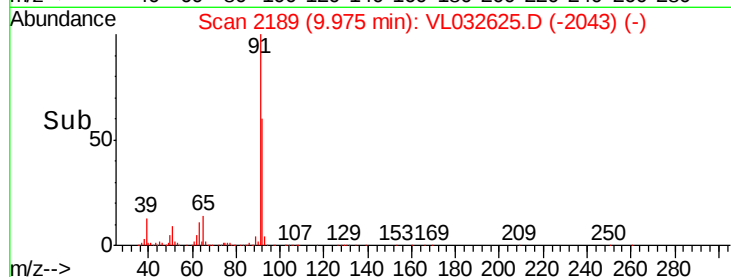
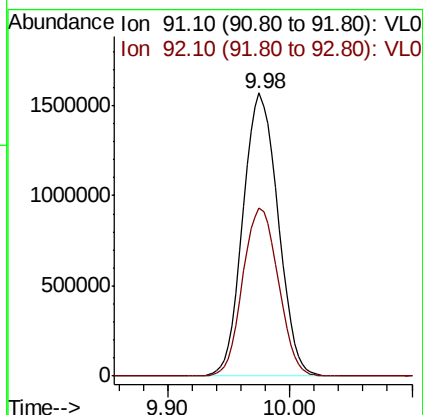
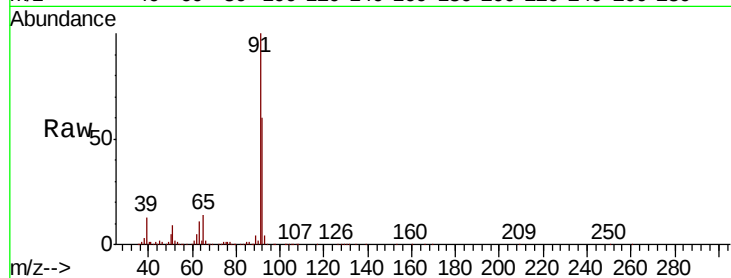
92 60.1 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.090 ppbv

RT: 10.79 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL032625.D

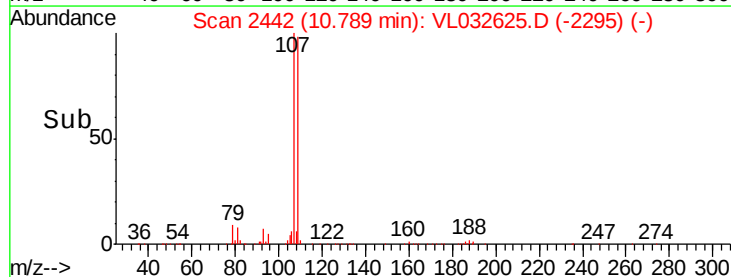
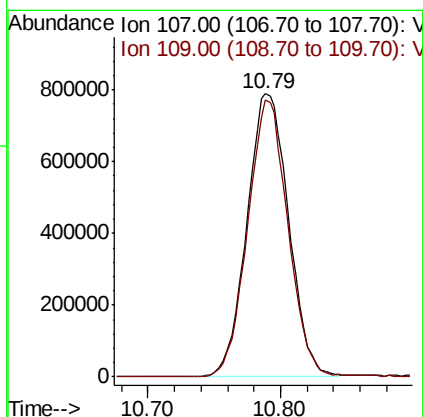
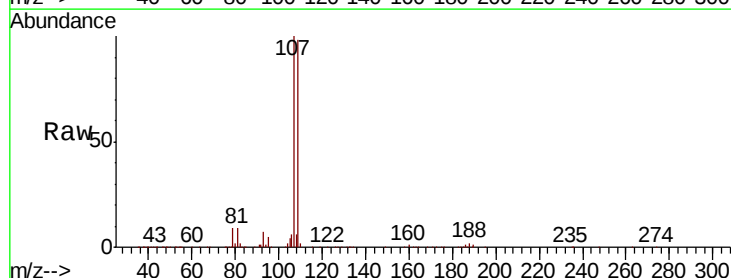
Acq: 12 Oct 2018 8:53

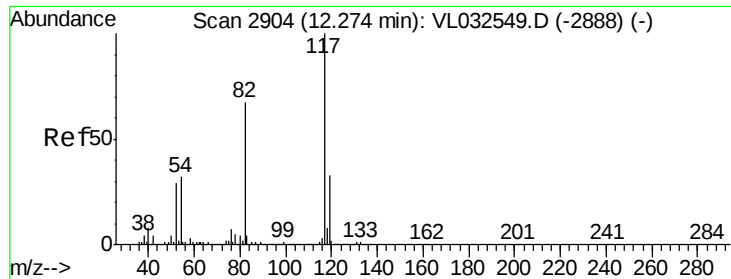
Tgt Ion: 107 Resp: 1724316

Ion Ratio Lower Upper

107 100

109 97.9 73.9 110.9





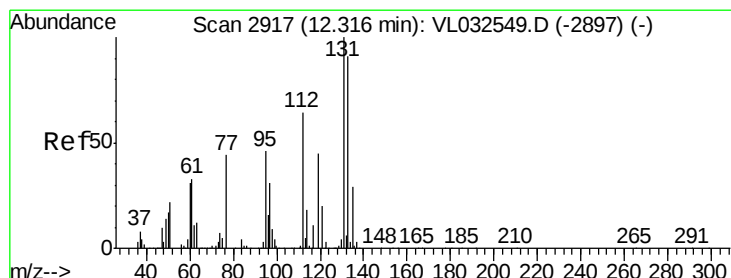
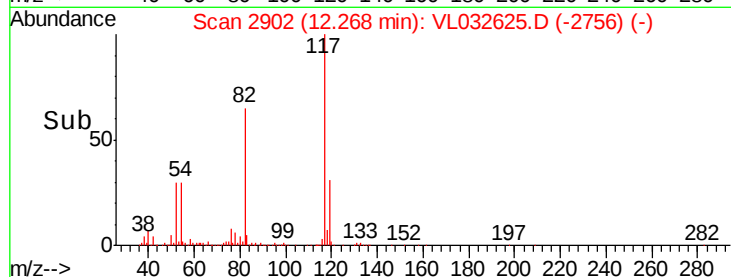
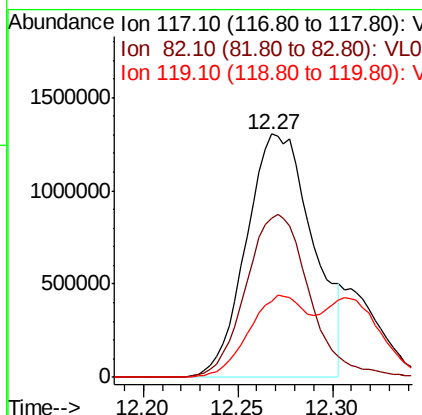
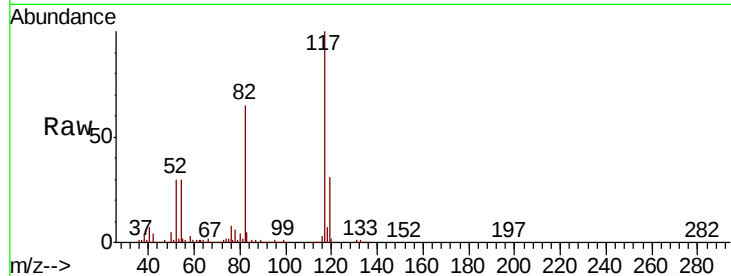
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	53.0	79.6
119	31.7	45.9	68.9#

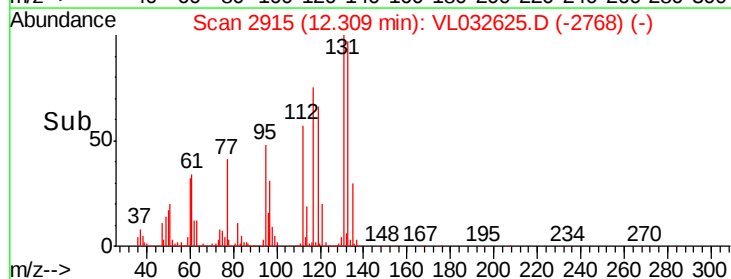
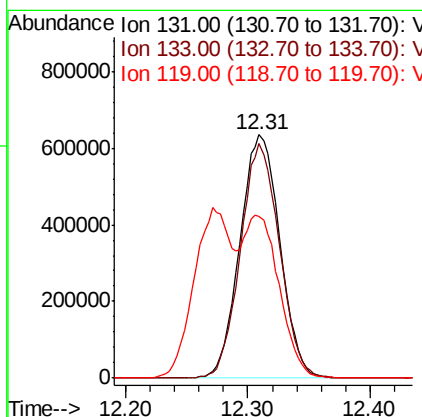
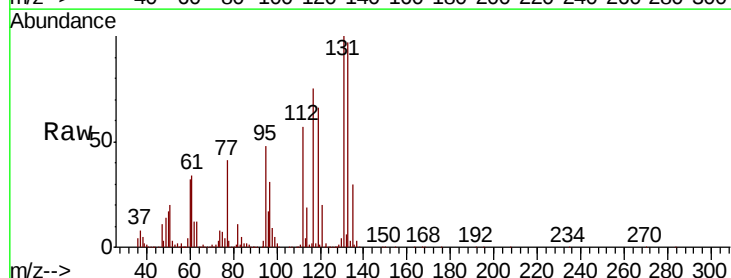
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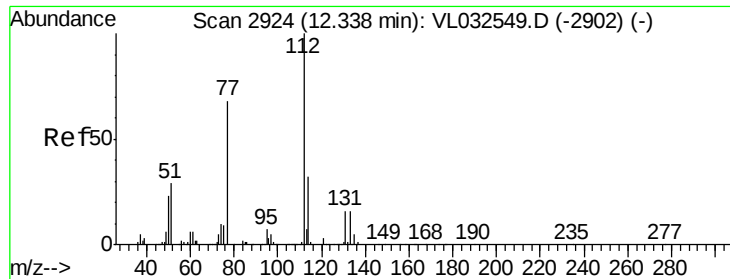
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.967 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	77.0	115.4
119	62.6	114.2	171.2#





#57

Chlorobenzene

Concen: 9.259 ppbv

RT: 12.33 min Scan# 2922

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2391938

Ion Ratio Lower Upper

112 100

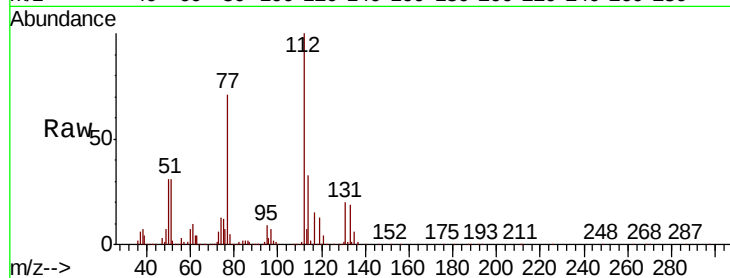
77 70.5 56.1 84.1

114 33.3 27.8 34.0

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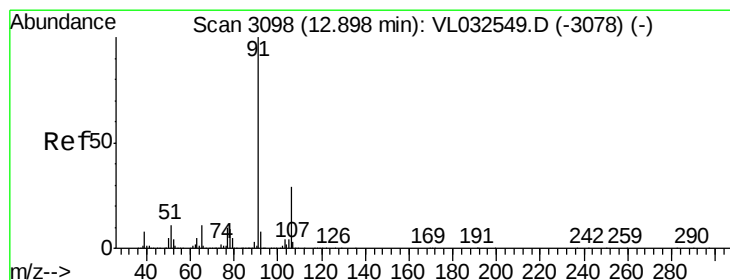
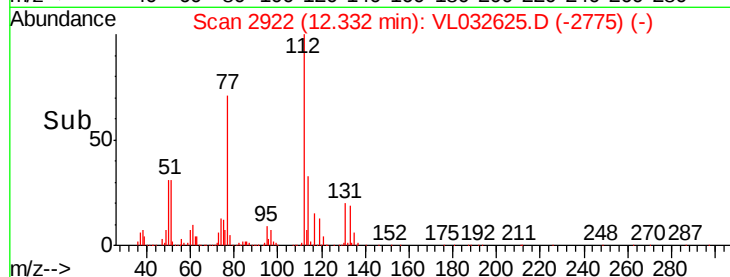
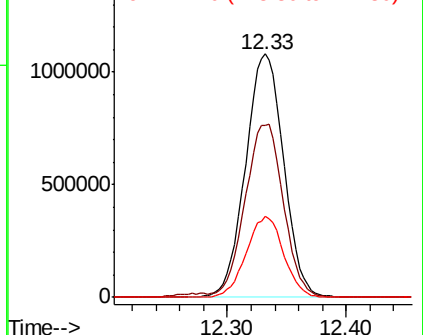
10/12/2018 2:07:49 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.249 ppbv

RT: 12.89 min Scan# 3096

Delta R.T. -0.03 min

Lab File: VL032625.D

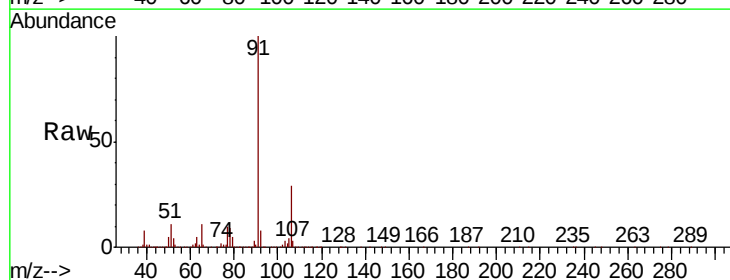
Acq: 12 Oct 2018 8:53

Tgt Ion: 91 Resp: 3987092

Ion Ratio Lower Upper

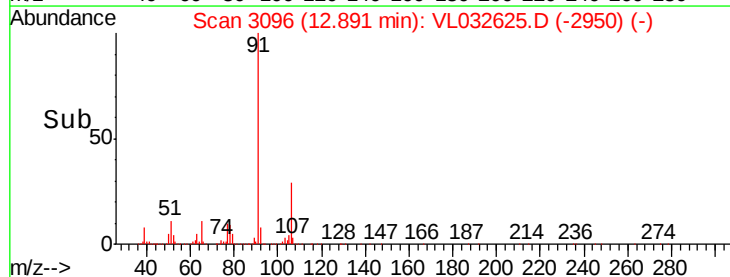
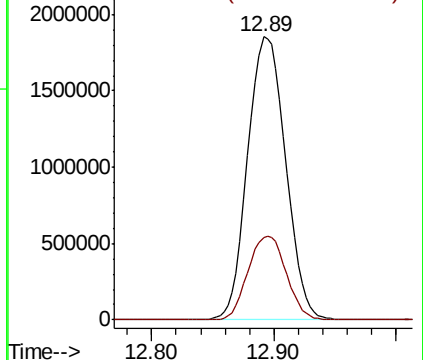
91 100

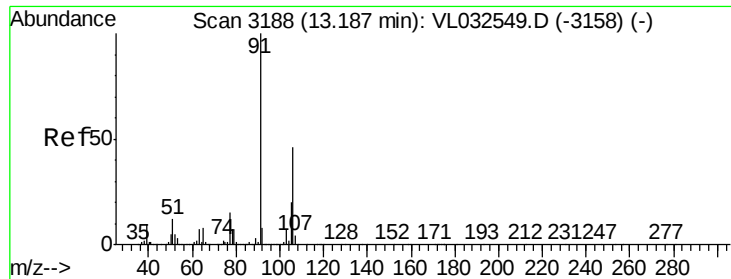
106 29.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





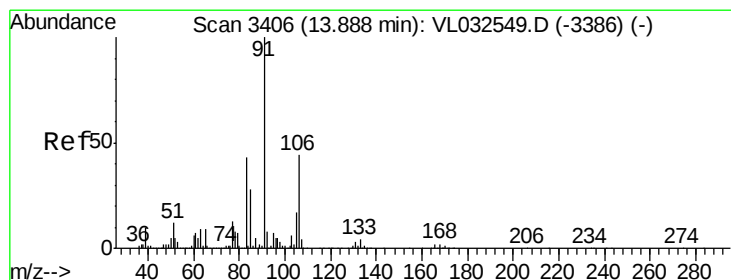
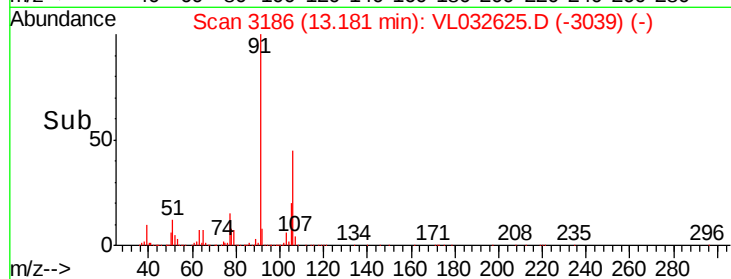
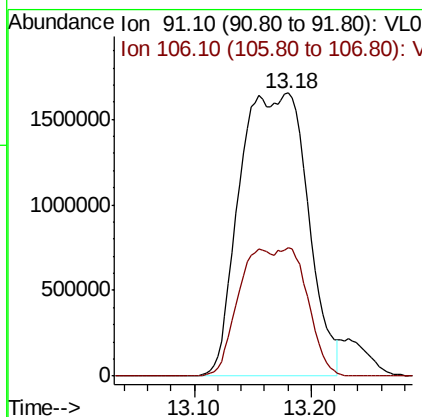
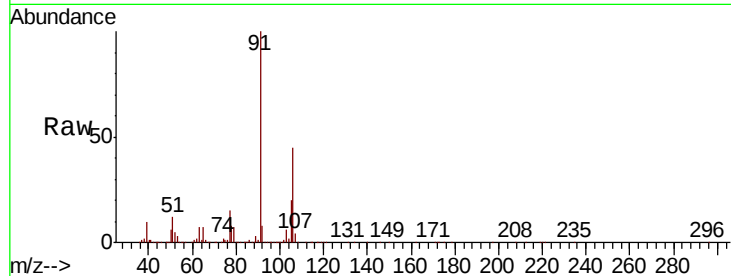
#59
m/p-Xylene
Concen: 19.251 ppbv m
RT: 13.18 min Scan# 3186
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 6663251
Ion Ratio Lower Upper
91 100
106 44.4 36.6 55.0

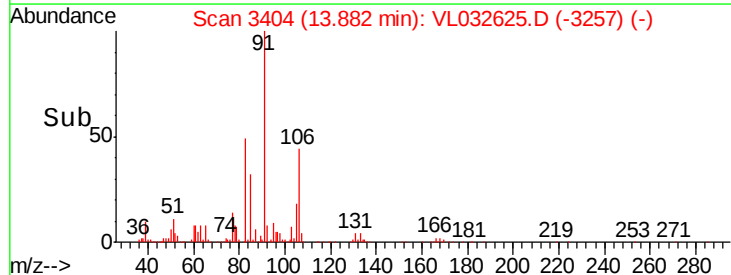
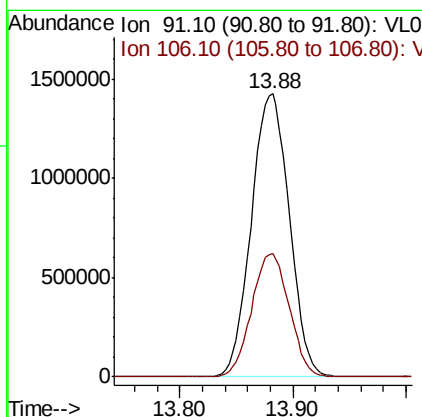
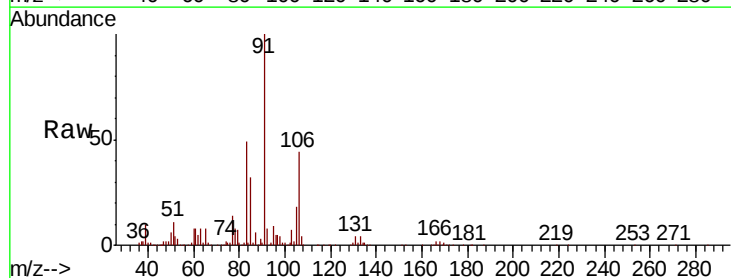
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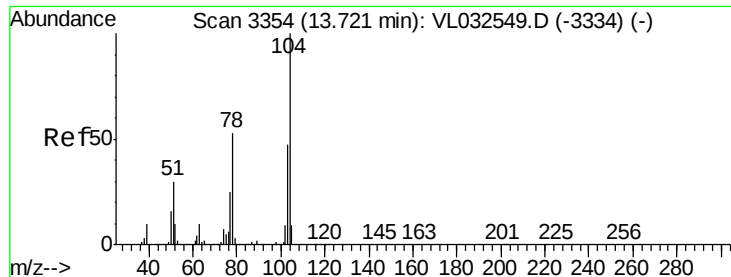
MMDadoda
10/12/2018 2:07:49 PM



#60
o-Xylene
Concen: 9.851 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion: 91 Resp: 3319778
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.7





#61

Stvrene

Concen: 10.640 ppbv

RT: 13.71 min Scan# 3352

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

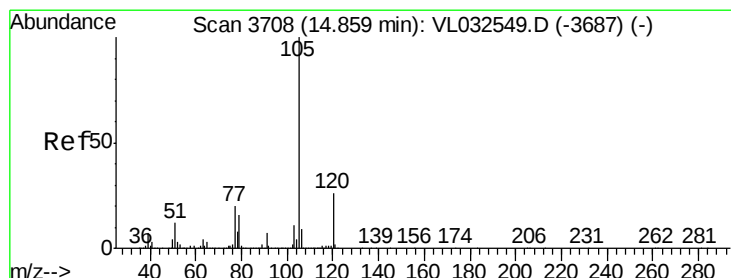
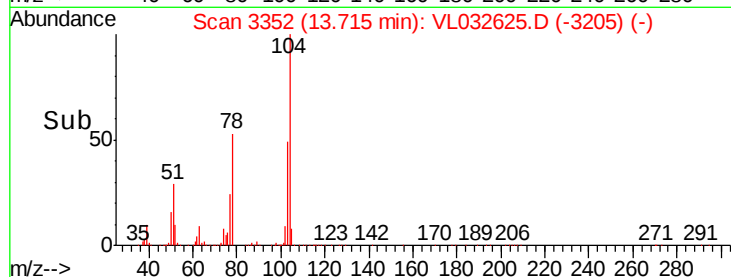
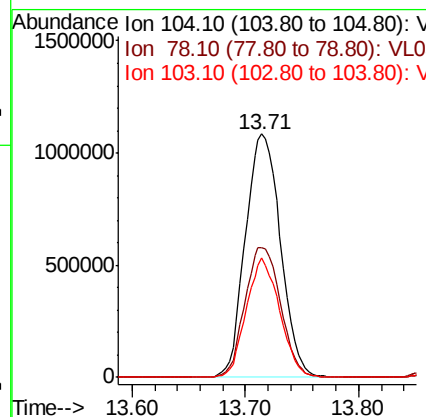
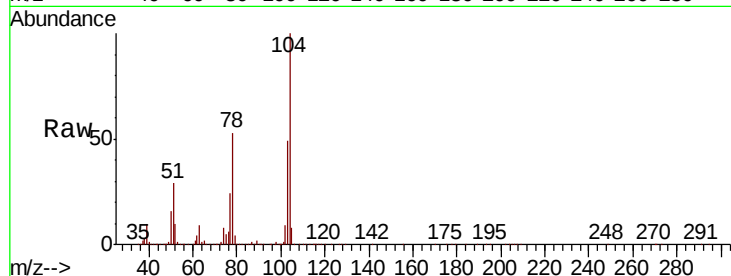
ClientSampleId :

VSTDCCC010EC

Tot Ion:	104	Resp:	2345617
Ion	Ratio	Lower	Upper
104	100		
78	54.4	41.8	62.8
103	46.7	38.0	57.0

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#62

Isopropylbenzene

Concen: 9.669 ppbv

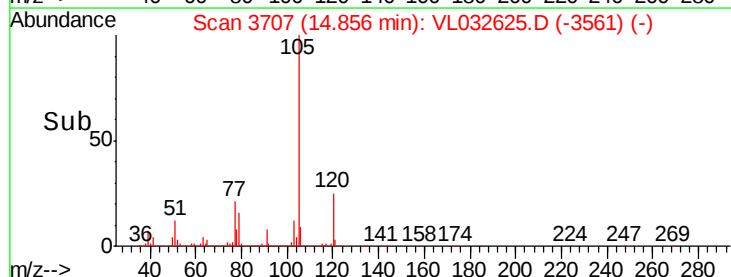
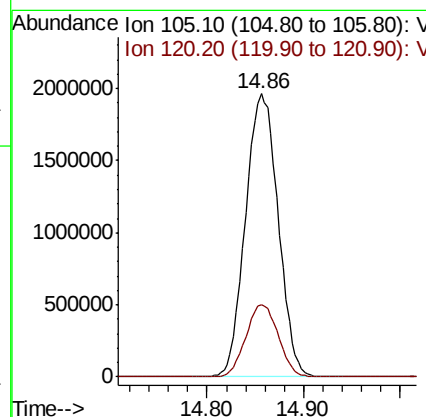
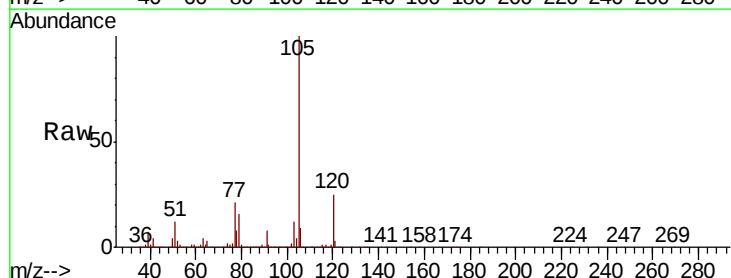
RT: 14.86 min Scan# 3707

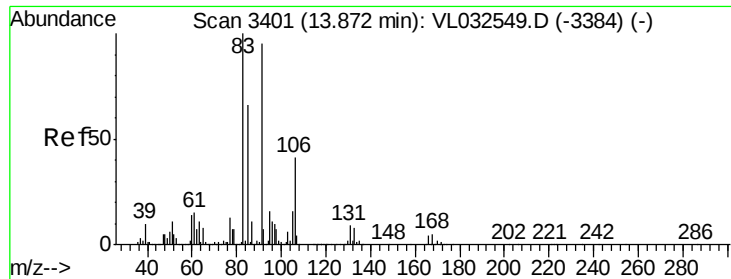
Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Tgt Ion:	105	Resp:	4608148
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0





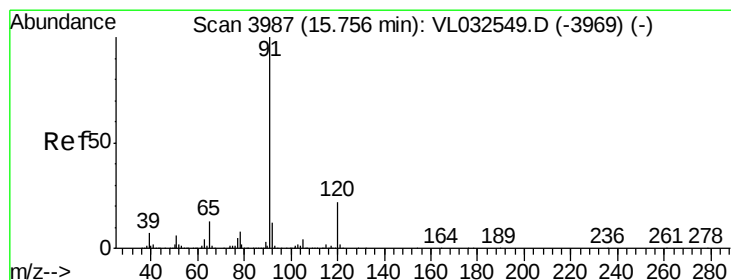
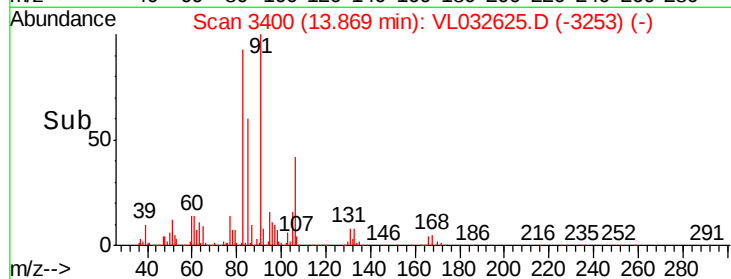
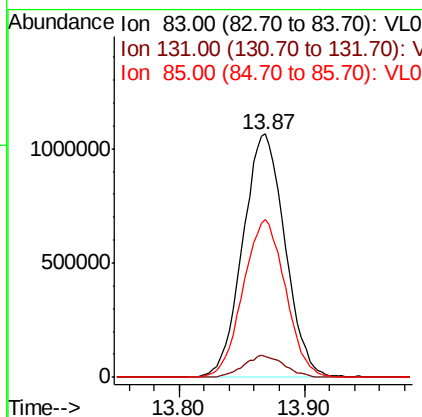
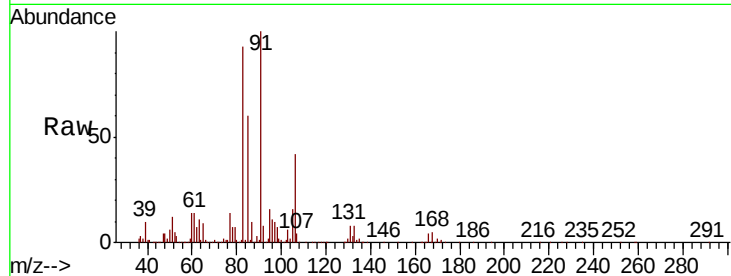
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.314 ppbv
 RT: 13.87 min Scan# 3400
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2488974
Ion Ratio	100	Lower	Upper
83	100		
131	8.8	4.3	12.8
85	65.2	32.3	96.8

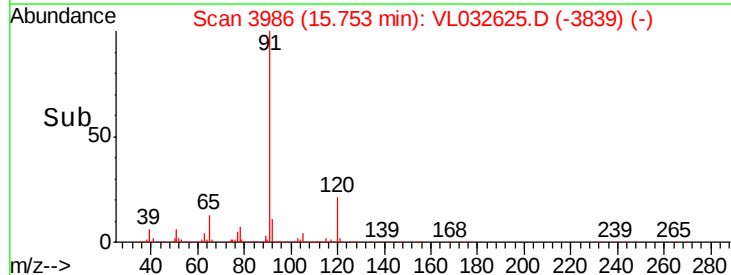
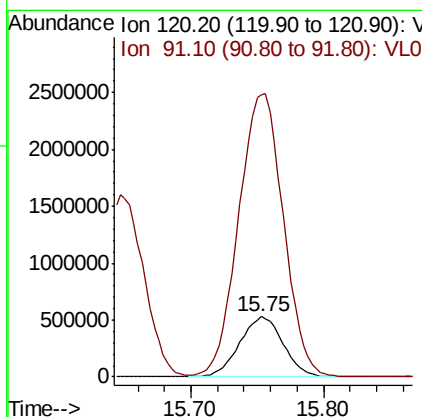
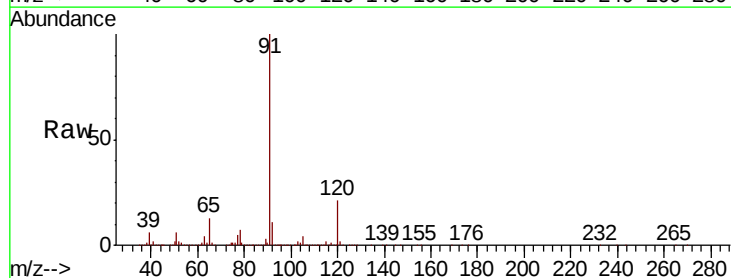
Manual Integrations
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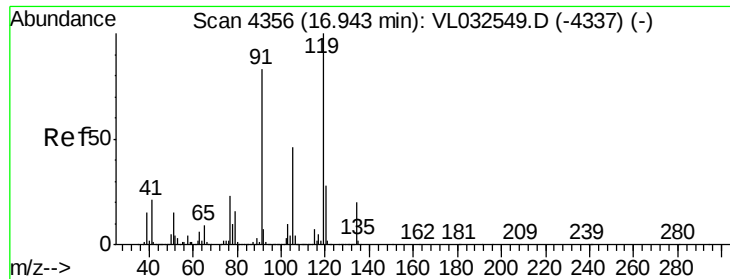
MMDadoda
 10/12/2018 2:07:49 PM



#64
 n-propylbenzene
 Concen: 9.813 ppbv
 RT: 15.75 min Scan# 3986
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion	120	Resp	1201462
Ion Ratio	100	Lower	Upper
120	100		
91	487.4	381.8	572.6





#65

tert-Butylbenzene

Concen: 9.673 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 3951259

Ion Ratio Lower Upper

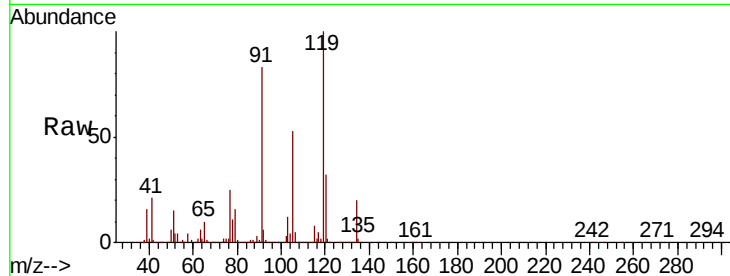
119 100

91 85.0 66.5 99.7

134 19.6 16.0 24.0

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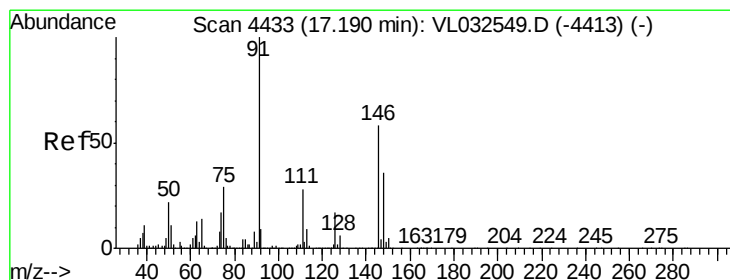
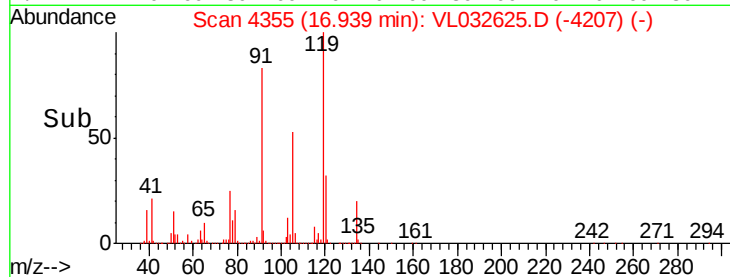
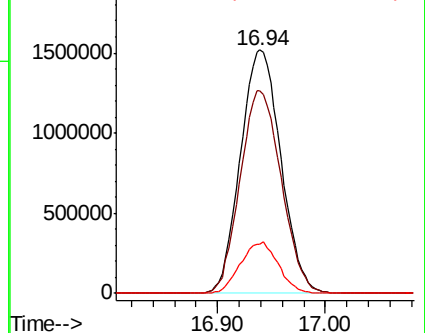
MMDadoda
10/12/2018 2:07:49 PM



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: 10.035 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

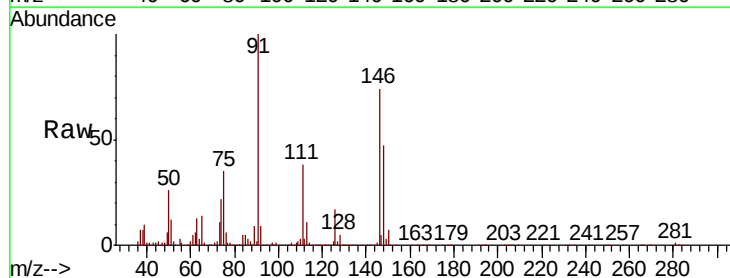
Tgt Ion: 91 Resp: 2362450

Ion Ratio Lower Upper

91 100

126 16.8 13.8 20.8

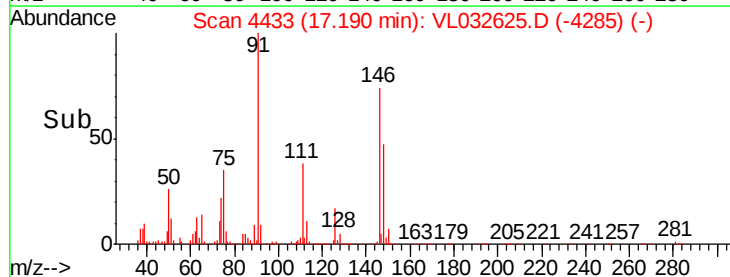
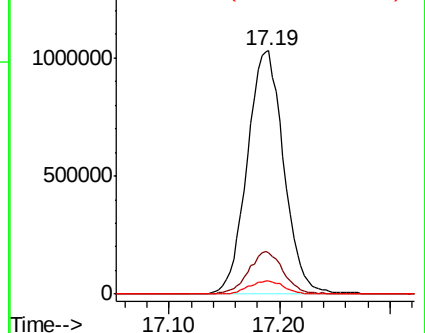
128 5.3 4.4 6.6

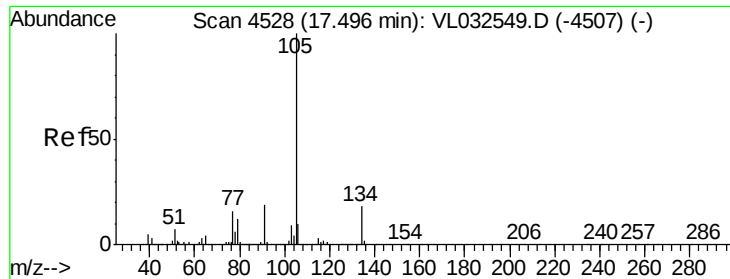


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.540 ppbv

RT: 17.49 min Scan# 4527

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 5793536

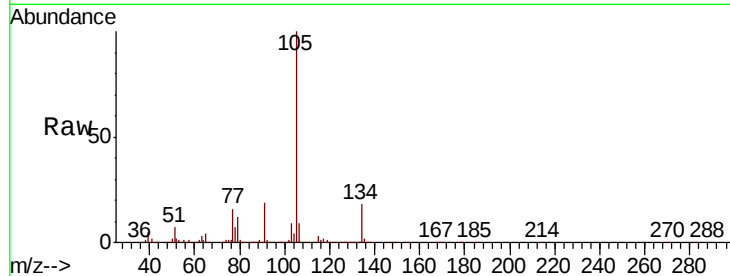
Ion Ratio Lower Upper

105 100

134 17.8 14.4 21.6

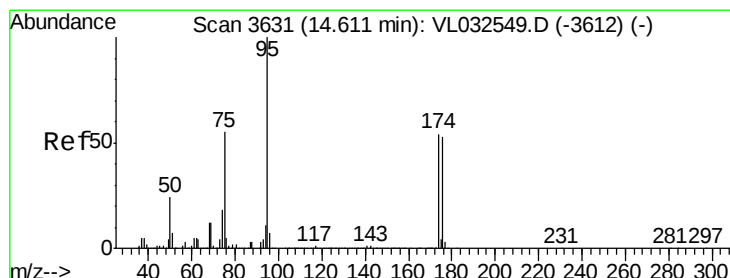
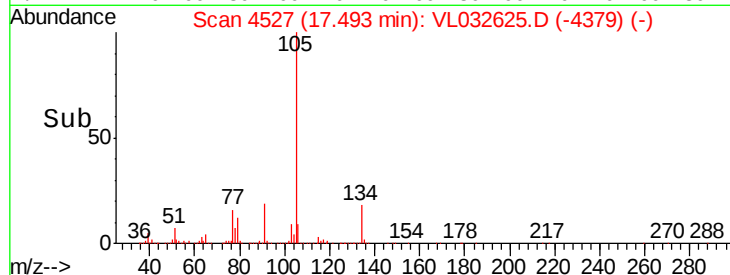
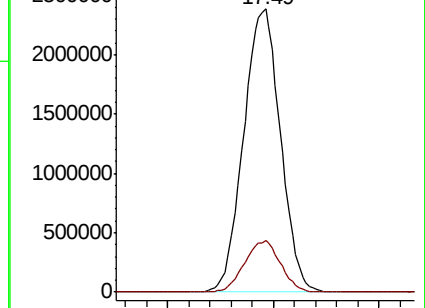
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.604 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

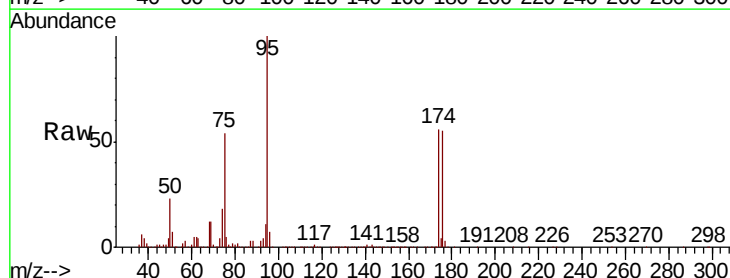
Tgt Ion: 95 Resp: 2322848

Ion Ratio Lower Upper

95 100

174 58.8 46.3 69.5

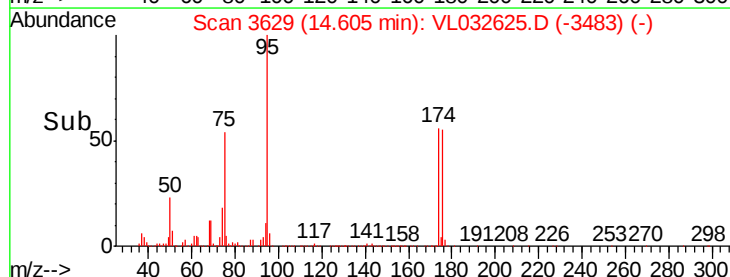
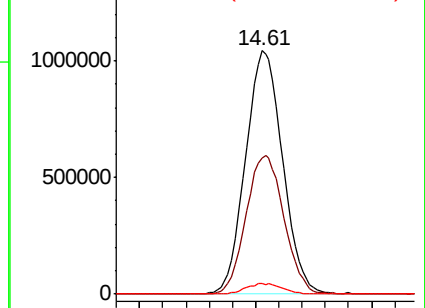
175 4.2 3.4 5.0

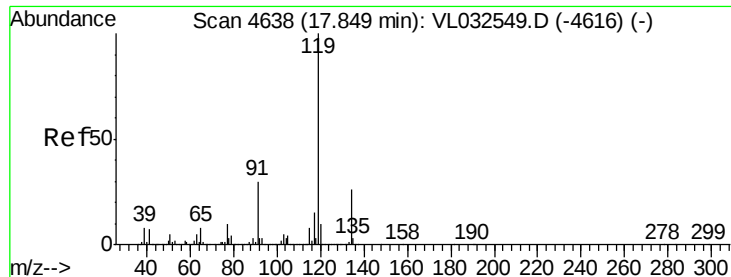


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





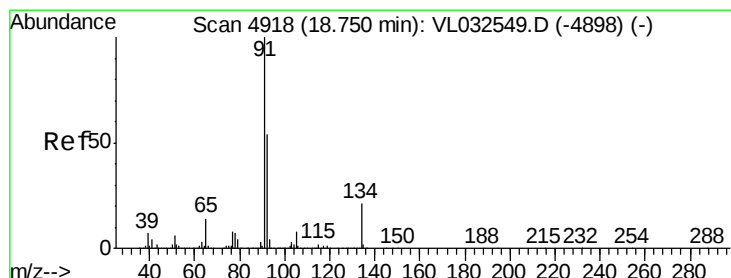
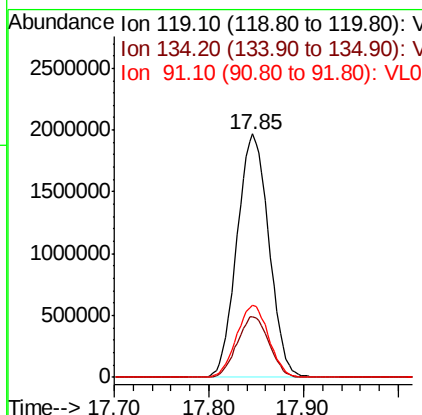
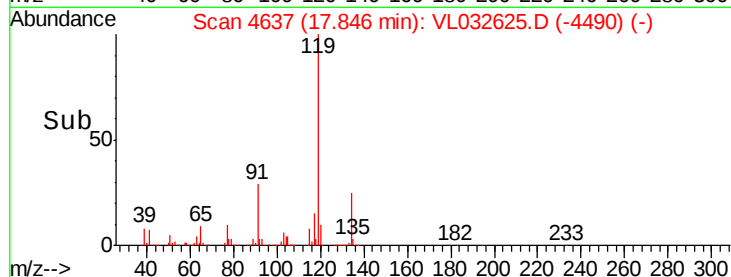
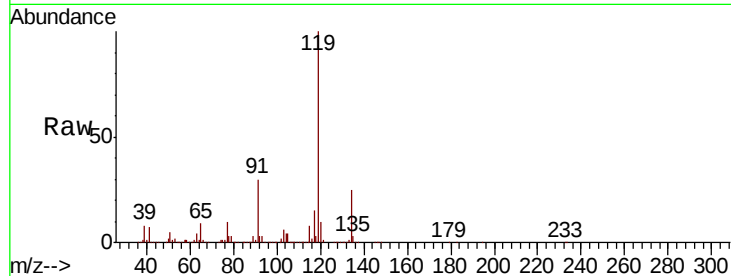
#69
 p-Isopropyltoluene
 Concen: 9.845 ppbv
 RT: 17.85 min Scan# 4637
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6
91	29.9	23.4	35.2

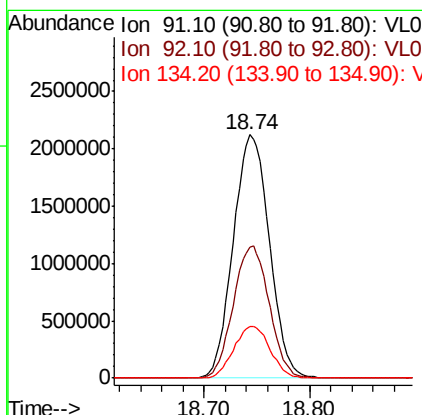
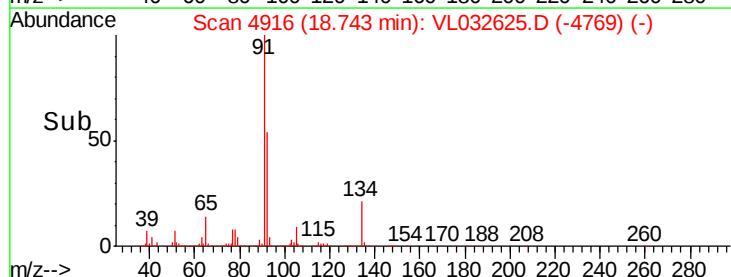
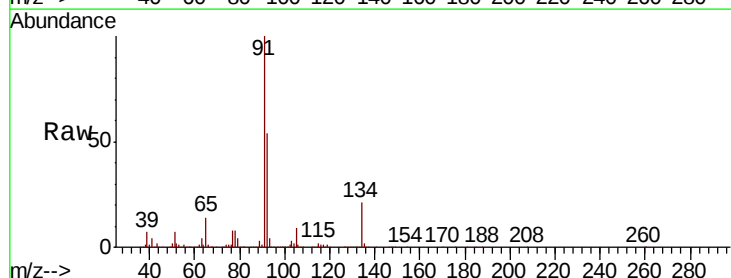
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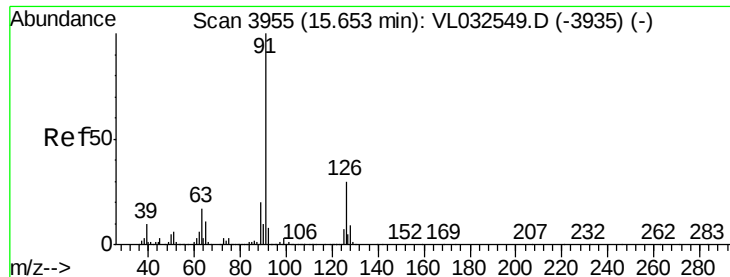
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#70
 n-Butylbenzene
 Concen: 9.841 ppbv
 RT: 18.74 min Scan# 4916
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
134	21.4	17.4	26.0





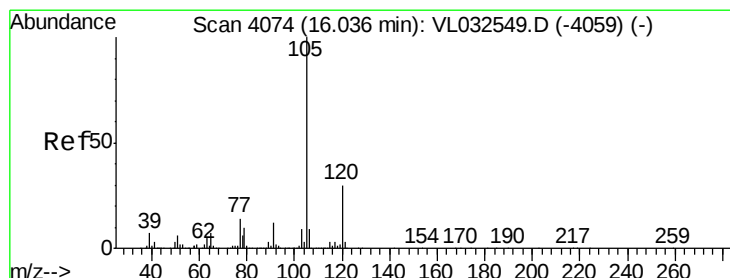
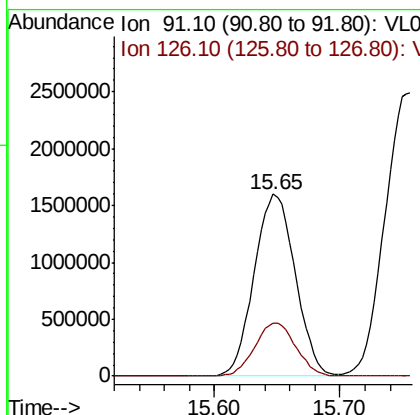
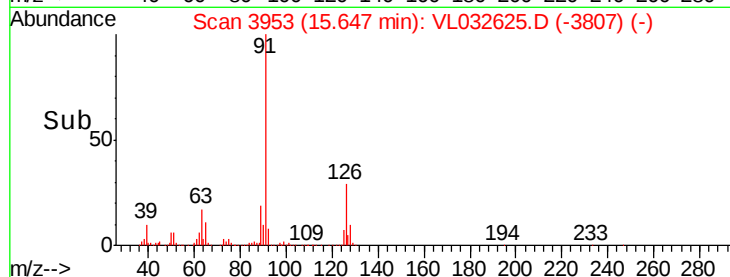
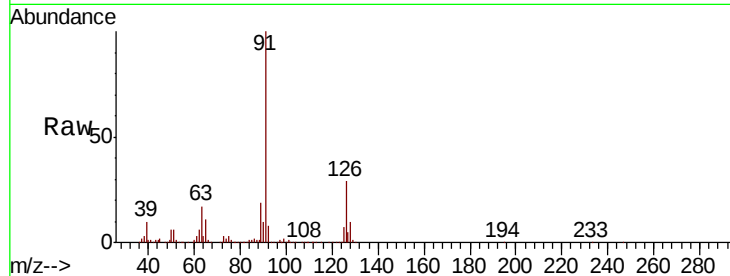
#71
2-Chlorotoluene
Concen: 10.059 ppbv
RT: 15.65 min Scan# 3953
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3651116
Ion Ratio Lower Upper
91 100
126 29.2 11.9 47.7

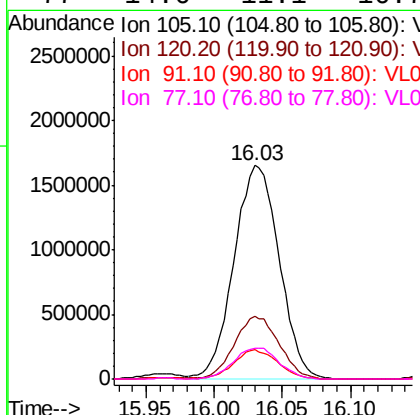
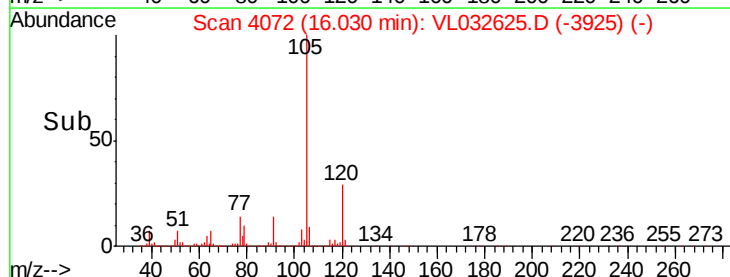
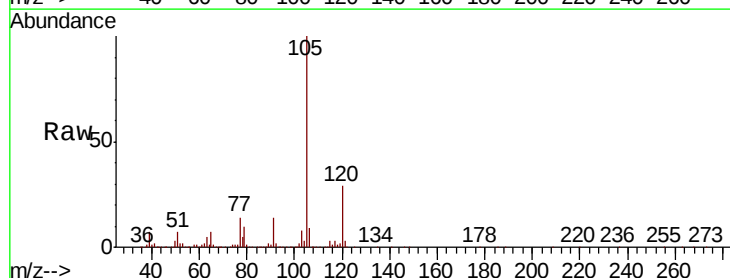
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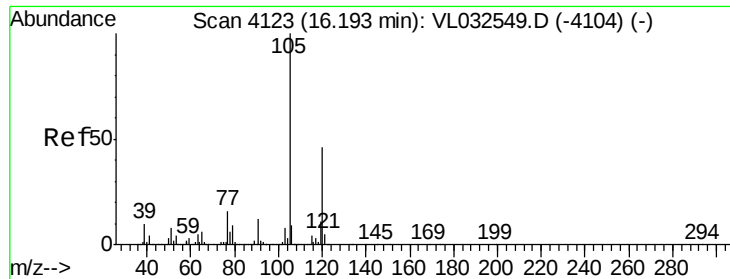
MMDadoda
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#72
4-Ethyltoluene
Concen: 10.363 ppbv
RT: 16.03 min Scan# 4072
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion: 105 Resp: 3790428
Ion Ratio Lower Upper
105 100
120 29.0 23.5 35.3
91 13.4 10.2 15.2
77 14.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.210 ppbv

RT: 16.19 min Scan# 4121

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3629511

Ion Ratio Lower Upper

105 100

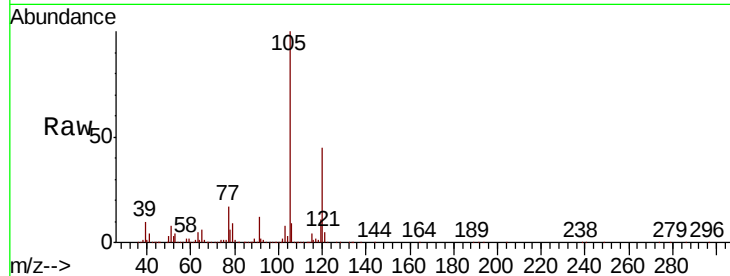
120 45.1 37.9 56.9

Manual Integrations

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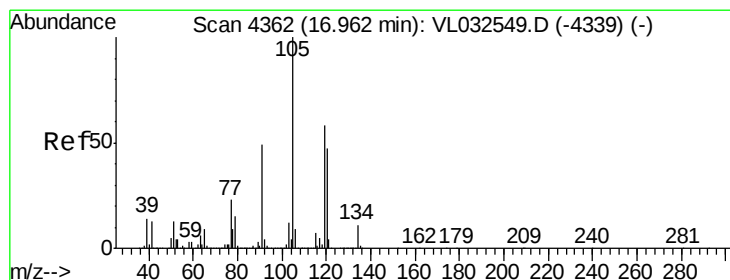
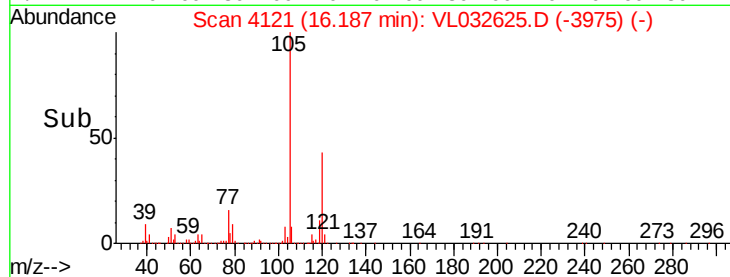
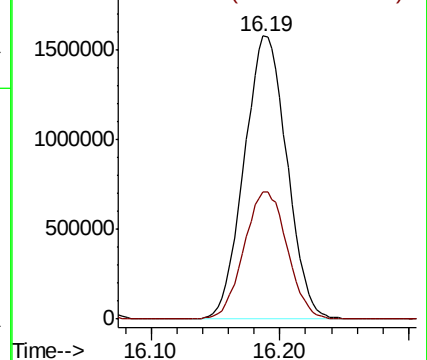
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.615 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Tgt Ion:105 Resp: 3680301

Ion Ratio Lower Upper

105 100

120 46.3 37.8 56.8

91 45.3 41.4 62.0

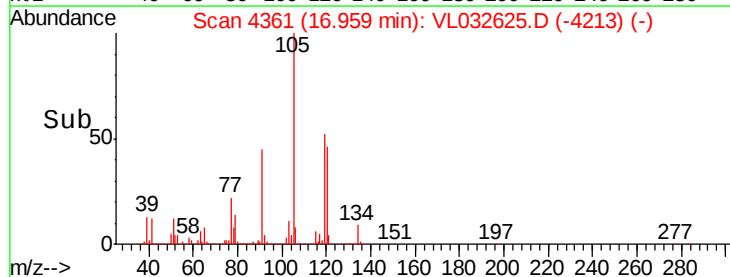
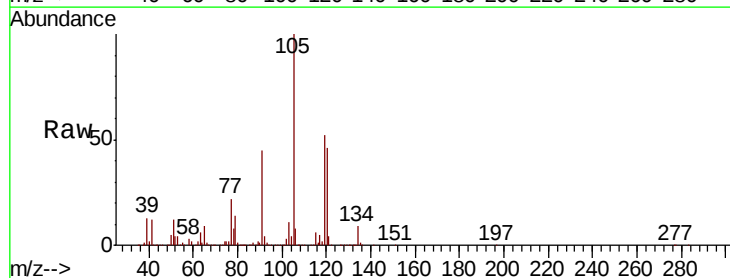
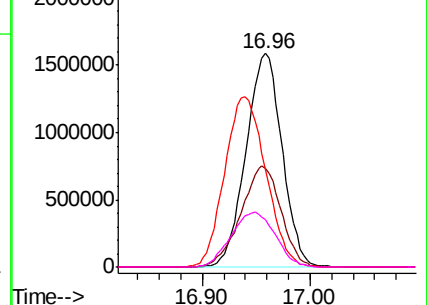
77 22.1 18.6 28.0

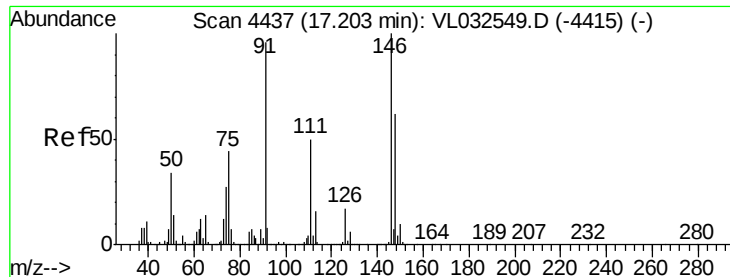
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.640 ppbv

RT: 17.20 min Scan# 4435

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2040643

Ion Ratio Lower Upper

146 100

111 49.1 24.5 73.5

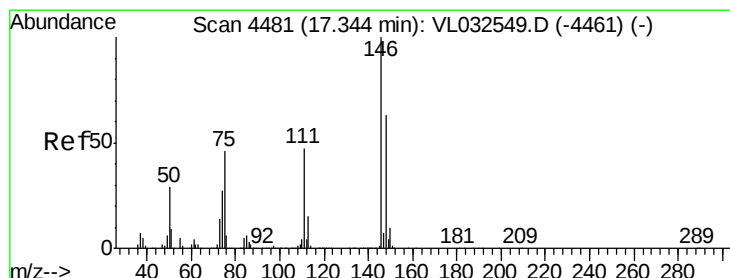
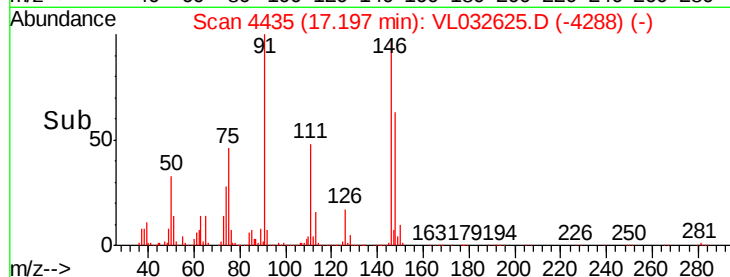
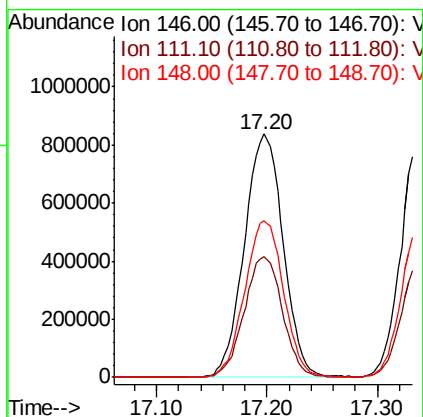
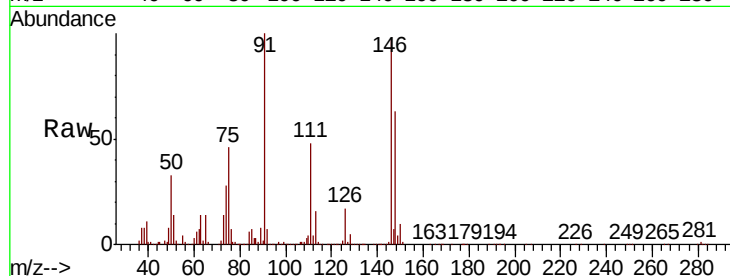
148 64.5 32.0 96.2

Manual Integrations

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#76

1,4-Dichlorobenzene

Concen: 9.282 ppbv

RT: 17.34 min Scan# 4479

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

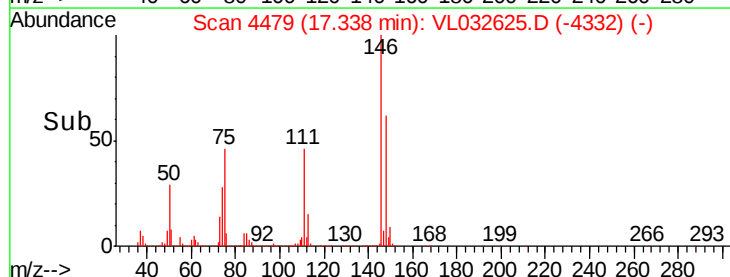
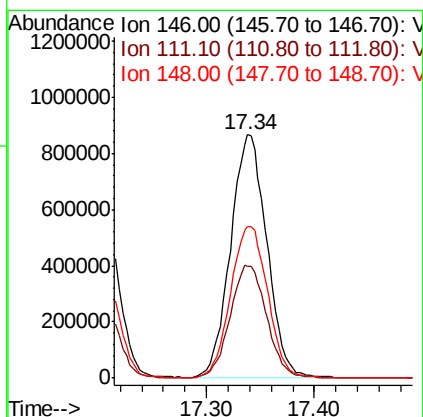
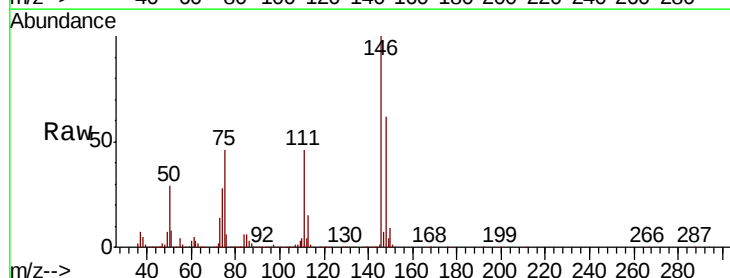
Tgt Ion:146 Resp: 2007295

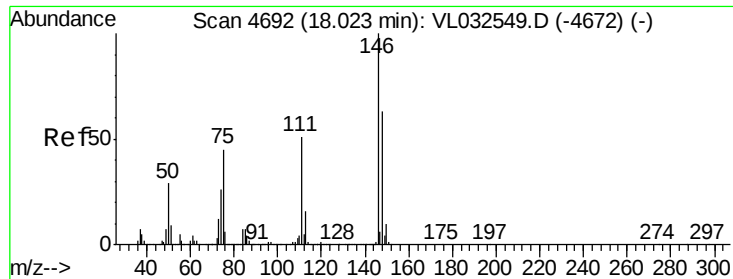
Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.2

148 64.4 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 9.129 ppbv

RT: 18.02 min Scan# 4690

Delta R.T. -0.03 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2027689

Ion Ratio Lower Upper

146 100

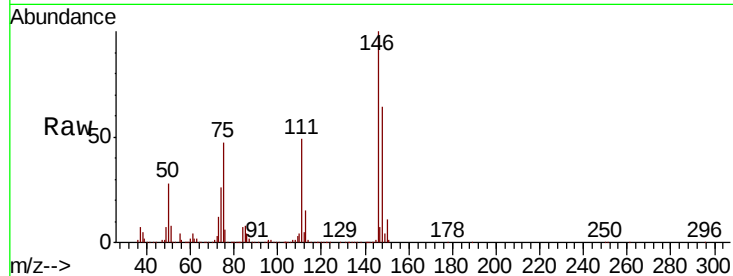
111 49.9 24.9 74.8

148 64.2 32.0 96.0

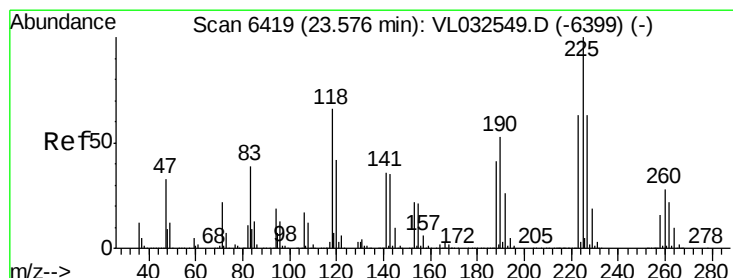
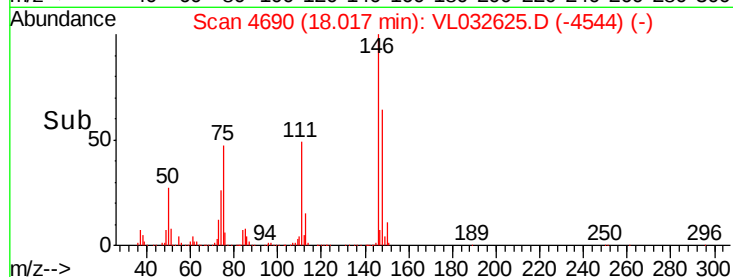
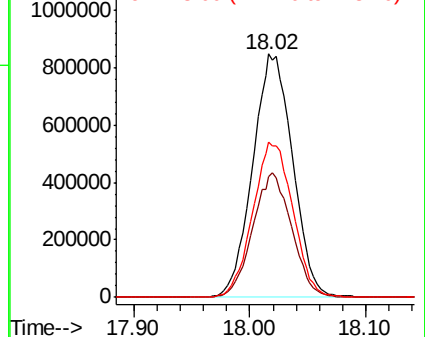
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 14.534 ppbv

RT: 23.57 min Scan# 6418

Delta R.T. -0.02 min

Lab File: VL032625.D

Acq: 12 Oct 2018 8:53

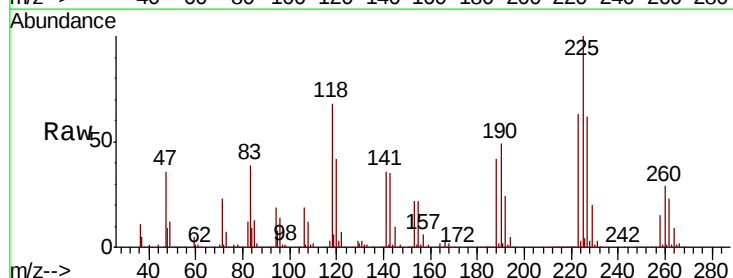
Tgt Ion:225 Resp: 1211537

Ion Ratio Lower Upper

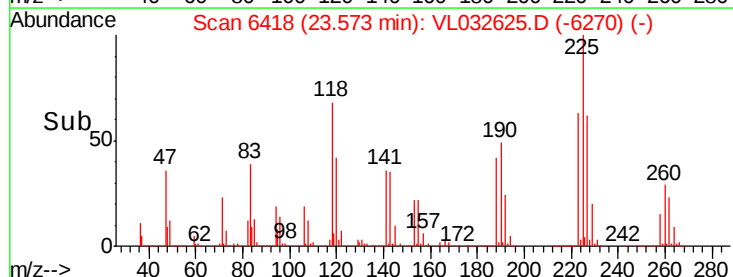
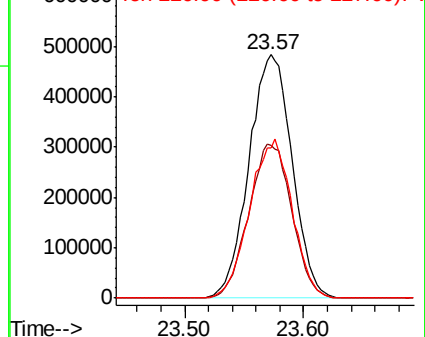
225 100

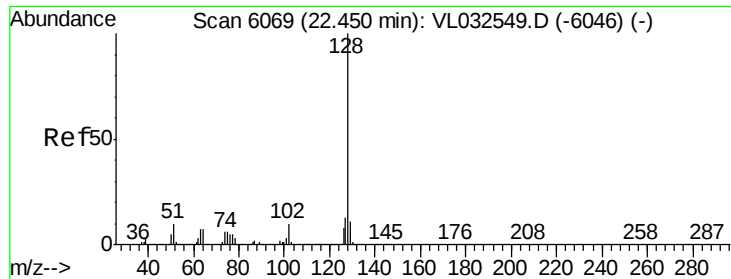
223 63.4 50.6 76.0

227 64.3 51.2 76.8



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





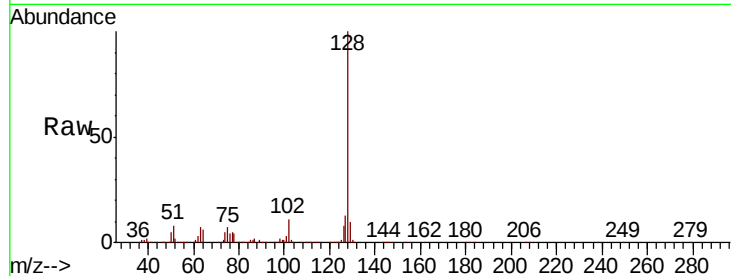
#79
Naphthalene
Concen: 10.984 ppbv
RT: 22.44 min Scan# 6067
Delta R.T. -0.03 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

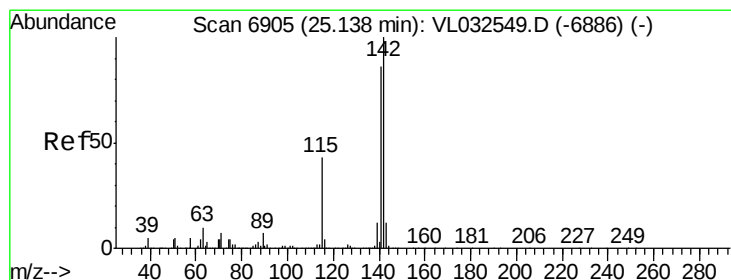
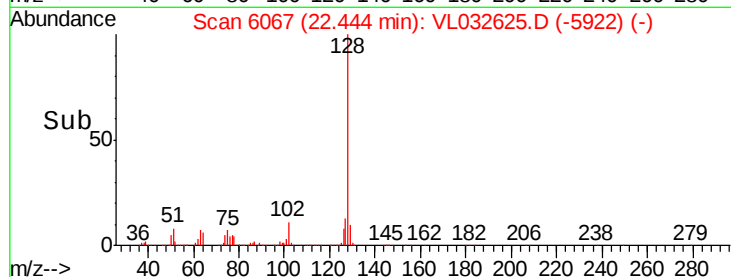
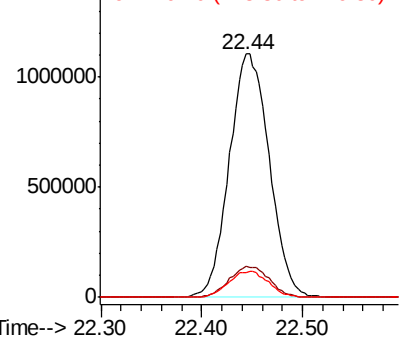
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.3	8.5	12.7

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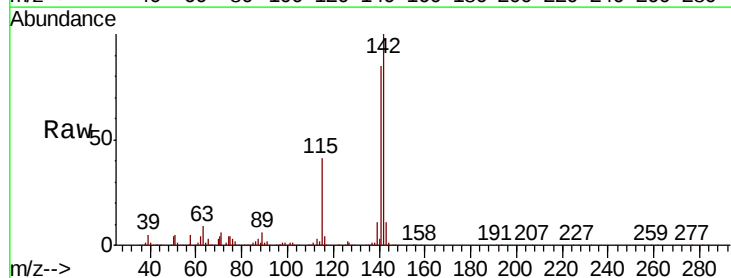


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

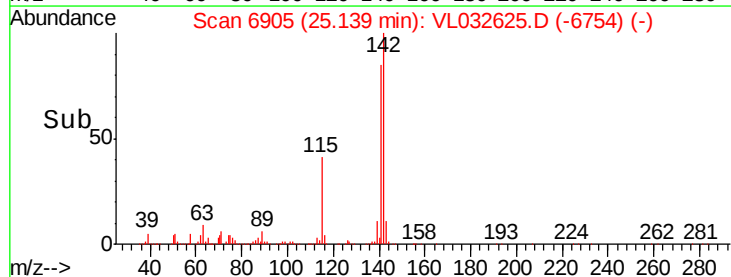
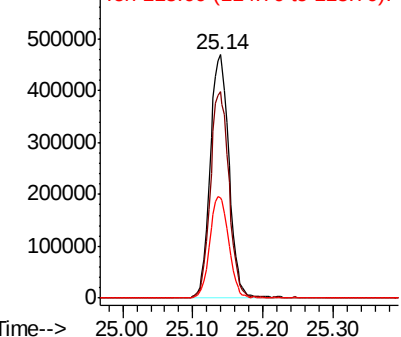


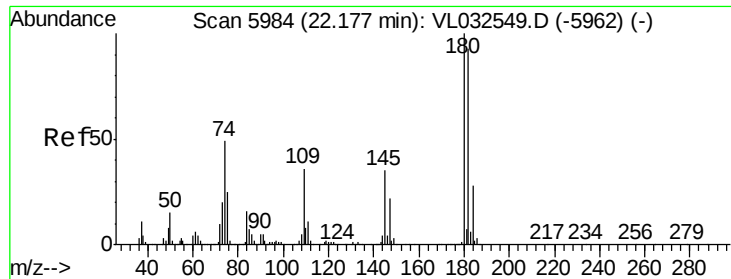
#80
Naphthalene, 2-methyl-
Concen: 13.609 ppbv
RT: 25.14 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL032625.D
Acq: 12 Oct 2018 8:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	67.0	100.6
115	41.8	31.3	46.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.111 ppbv
 RT: 22.17 min Scan# 5982
 Delta R.T. -0.03 min
 Lab File: VL032625.D
 Acq: 12 Oct 2018 8:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	30.5	23.8	35.8

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