

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
 Data File : VL032597.D
 Acq On : 4 Oct 2018 12:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:11 PM

Quant Time: Oct 04 12:25:28 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	1266885	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2956070	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3193693m	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.61	95	2287366	9.50	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	948205	8.092	ppbv	100
3) Chlorodifluoromethane	3.03	51	1379182	13.091	ppbv	95
4) Chloromethane	3.18	50	571160	9.297	ppbv	97
5) Vinyl Chloride	3.31	62	568281	9.155	ppbv	98
6) Bromomethane	3.53	94	352438	10.382	ppbv	99
7) Chloroethane	3.62	64	213295	9.644	ppbv	97
8) Dichlorotetrafluoroethane	3.24	85	1332828	10.410	ppbv	97
9) Propene	3.05	41	410403	8.978	ppbv	98
10) Heptane	8.27	43	1740613	10.382	ppbv	97
11) Trichlorofluoromethane	4.02	101	1526628	10.959	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1081276	9.496	ppbv	99
13) Ethanol	3.66	45	135037	9.828	ppbv	96
14) Bromoethene	3.80	108	445005	11.014	ppbv	99
15) Acetone	3.92	43	1311154	11.791	ppbv	99
16) 1,3-Butadiene	3.38	39	432394	9.588	ppbv	96
17) tert-Butyl alcohol	4.37	59	124705	8.924	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	473824	8.885	ppbv	99
19) Isopropyl Alcohol	4.04	45	842326	10.875	ppbv	99
20) Methylene Chloride	4.43	84	423173	7.858	ppbv	98
21) Allyl Chloride	4.50	41	823954	9.066	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	505897	10.066	ppbv	95
23) Vinyl Acetate	5.17	43	1994449	10.150	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1624076	9.925	ppbv	100
25) Ethyl Acetate	5.79	43	2717014	10.069	ppbv	99
26) Hexane	5.80	57	1282943	10.526	ppbv	99
27) Carbon Disulfide	4.64	76	1383758	10.561	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	1705205	11.231	ppbv	97
29) Chloroform	5.88	83	2033280	10.872	ppbv	99
30) Cyclohexane	7.27	84	1102598	11.110	ppbv	95
31) cis-1,2-Dichloroethene	5.66	61	1225933	10.561	ppbv	97
32) 1,1,1-Trichloroethane	6.64	97	2058536	10.329	ppbv	98
34) 2-Butanone	5.35	43	1507401	8.563	ppbv	98
35) Carbon Tetrachloride	7.16	117	2138349	10.410	ppbv	99
36) Benzene	7.03	78	2597808	10.874	ppbv	98
37) 1,2-Dichloroethane	6.44	62	1619140	11.246	ppbv	98
38) Trichloroethene	7.99	130	1038367	11.356	ppbv	99
39) 1,2-Dichloropropane	7.76	63	1041047	9.670	ppbv	97
40) 1,4-Dioxane	7.98	88	378297	11.460	ppbv	77
41) Tetrahydrofuran	6.17	42	868928	9.086	ppbv	94
42) Bromodichloromethane	7.95	83	2408958	11.168	ppbv	100
43) Methyl Methacrylate	8.16	69	1123722	11.260	ppbv	97

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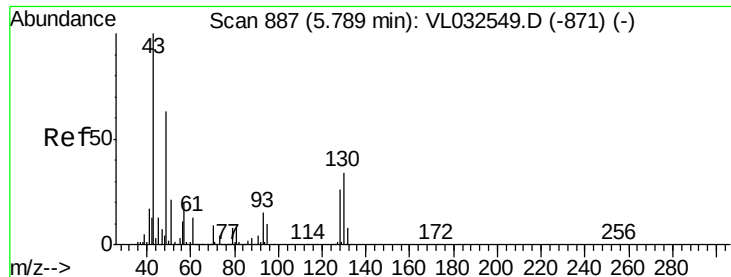
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	4908554	10.513	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	1377266	11.094	ppbv	98
46) cis-1,3-Dichloropropene	8.87	75	1708968	11.737	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1102997	9.225	ppbv	99
48) Dibromochloromethane	10.48	129	2098203	11.160	ppbv	99
49) Bromoform	13.24	173	1634070	11.374	ppbv	99
50) 4-Methyl-2-Pentanone	8.90	43	2775430	10.030	ppbv	99
51) 2-Hexanone	10.30	43	2381211	10.405	ppbv #	100
52) Tetrachloroethene	11.41	164	933265	11.220	ppbv	98
53) Toluene	9.98	91	3336826	11.462	ppbv	100
54) 1,2-Dibromoethane	10.79	107	1857572	10.922	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1518034	10.574	ppbv #	59
57) Chlorobenzene	12.34	112	2542825	9.884	ppbv	98
58) Ethyl Benzene	12.90	91	4210590	10.869	ppbv	97
59) m/p-Xylene	13.18	91	7074375m	20.524	ppbv	
60) o-Xylene	13.88	91	3488536	10.395	ppbv	100
61) Styrene	13.71	104	2470893	11.256	ppbv	99
62) Isopropylbenzene	14.86	105	4870597	10.263	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2637543	8.847	ppbv	99
64) n-propylbenzene	15.75	120	1252819	10.275	ppbv	94
65) tert-Butylbenzene	16.94	119	4140240	10.178	ppbv	98
66) Benzyl Chloride	17.19	91	2520657	10.752	ppbv	100
67) sec-Butylbenzene	17.49	105	6130373	10.137	ppbv	99
69) p-Isopropyltoluene	17.85	119	4870090	10.426	ppbv	99
70) n-Butylbenzene	18.75	91	5325695	10.438	ppbv	99
71) 2-Chlorotoluene	15.65	91	3829906	10.596	ppbv	100
72) 4-Ethyltoluene	16.03	105	3975432	10.914	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	3803135	10.744	ppbv	96
74) 1,2,4-Trimethylbenzene	16.96	105	3872847	10.161	ppbv #	91
75) 1,3-Dichlorobenzene	17.20	146	2155181	9.164	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2144534	9.959	ppbv	100
77) 1,2-Dichlorobenzene	18.02	146	2142721	9.688	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	1273746	15.344	ppbv	100
79) Naphthalene	22.45	128	3199375	11.639	ppbv	100
80) Naphthalene, 2-methyl-	25.14	142	1010758	15.662	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1535112	10.896	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1266885

Ion Ratio Lower Upper

49 100

128 45.6 20.7 62.1

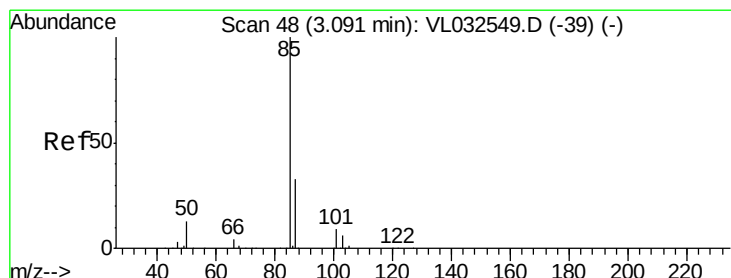
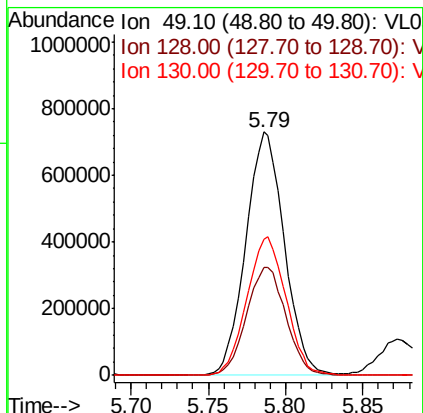
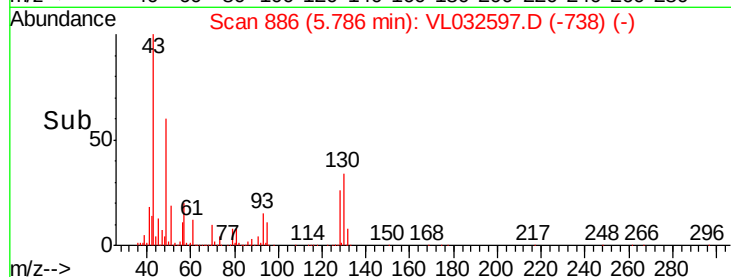
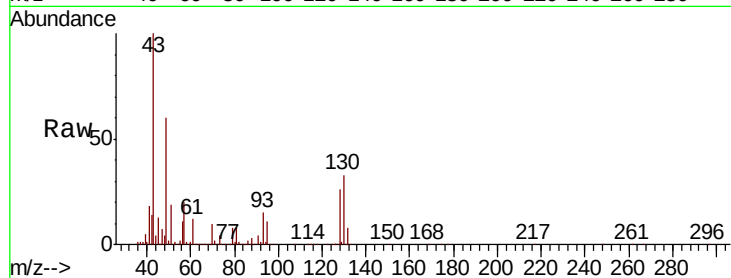
130 57.9 26.6 79.7

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#2

Dichlorodifluoromethane

Concen: 8.092 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032597.D

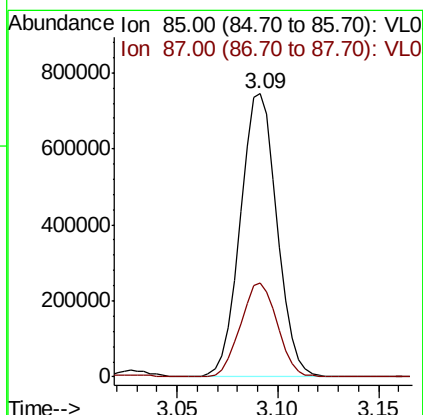
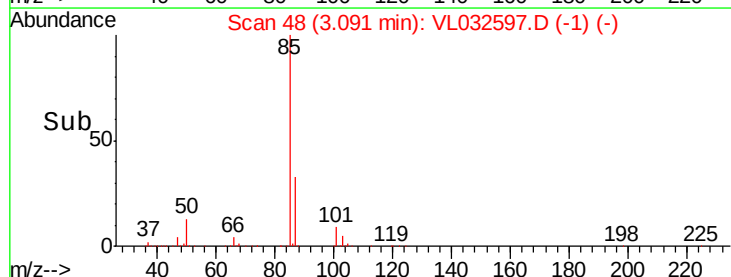
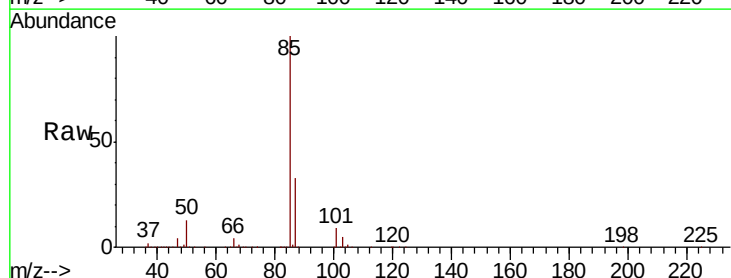
Acq: 4 Oct 2018 12:01

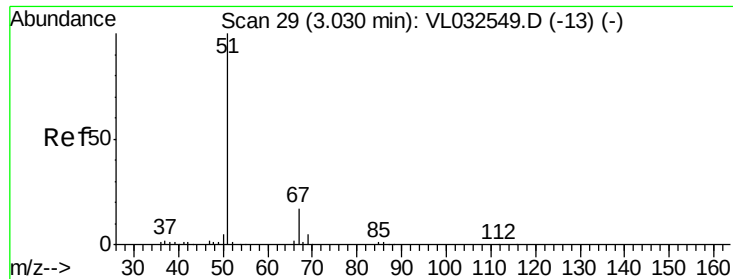
Tgt Ion: 85 Resp: 948205

Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.4





#3

Chlorodifluoromethane

Concen: 13.091 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1379182

Ion Ratio Lower Upper

51 100

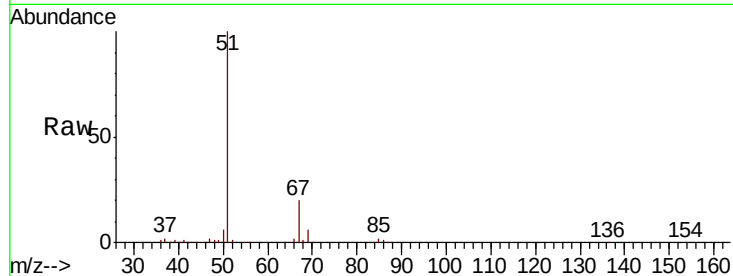
67 19.4 13.8 20.8

Manual Integrations

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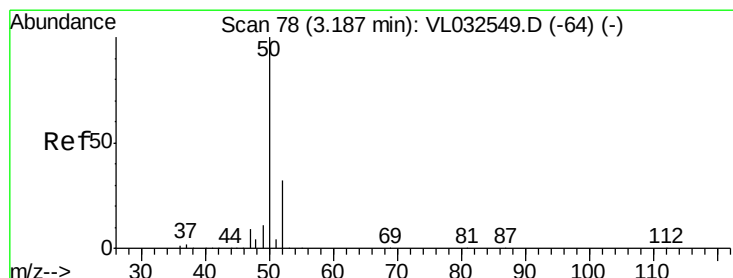
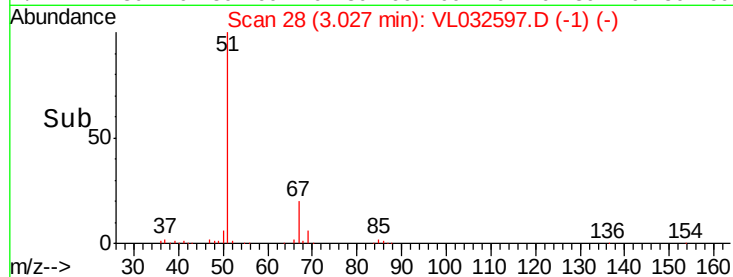
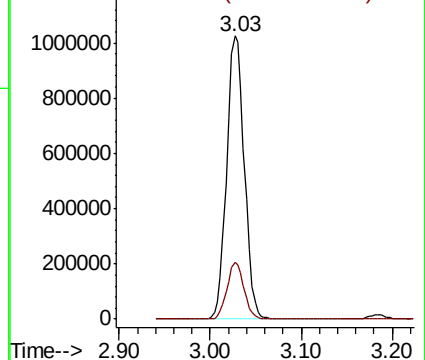
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.297 ppbv

RT: 3.18 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL032597.D

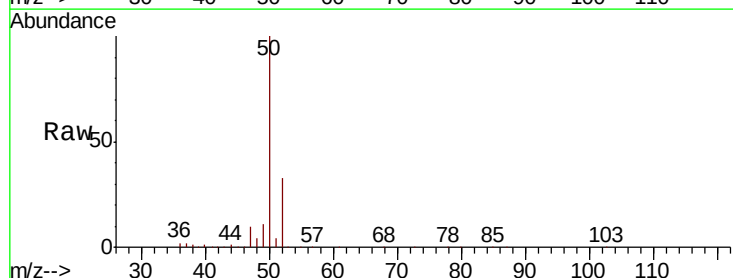
Acq: 4 Oct 2018 12:01

Tgt Ion: 50 Resp: 571160

Ion Ratio Lower Upper

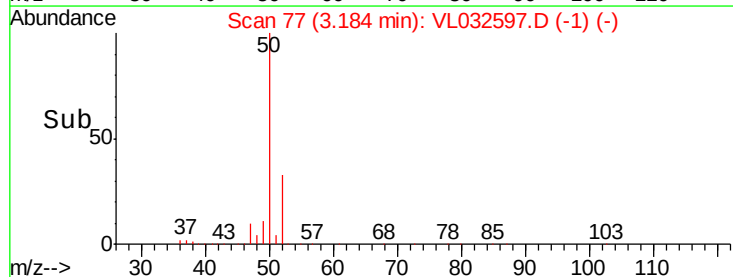
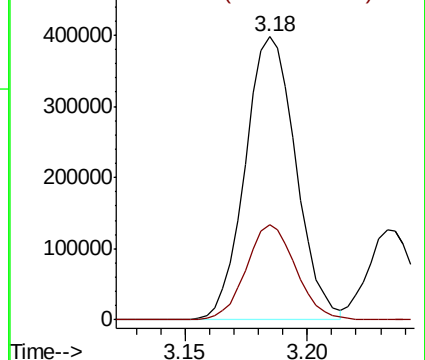
50 100

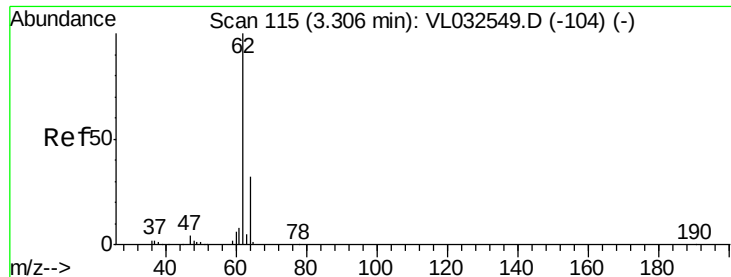
52 33.5 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.155 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 568281

Ion Ratio Lower Upper

62 100

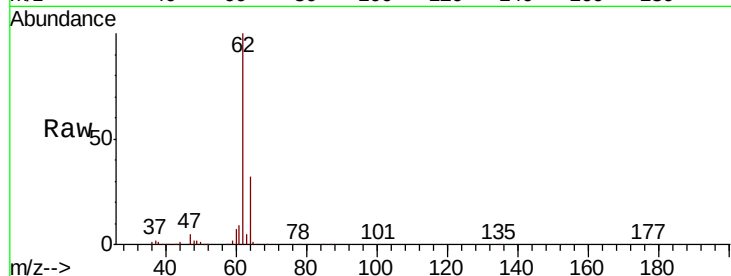
64 32.5 25.0 37.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

500000

400000

300000

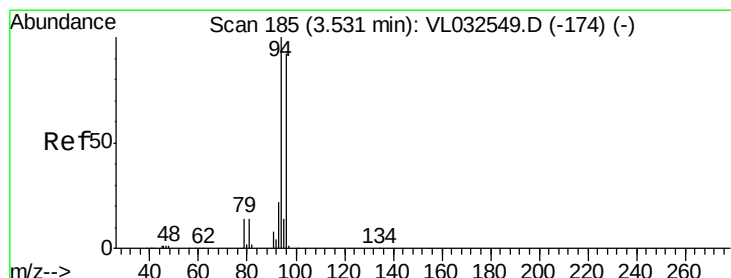
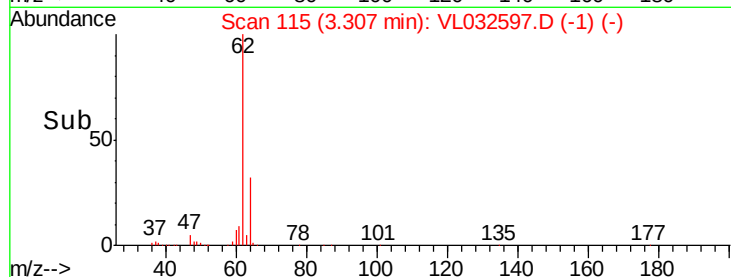
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 10.382 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032597.D

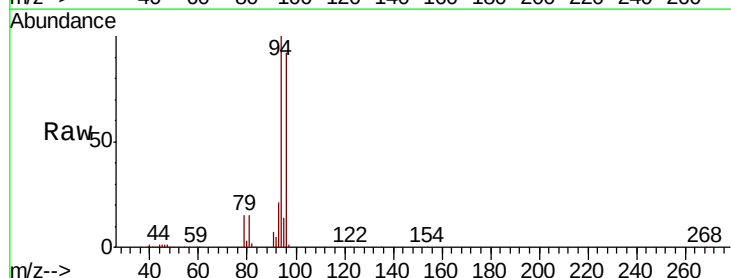
Acq: 4 Oct 2018 12:01

Tgt Ion: 94 Resp: 352438

Ion Ratio Lower Upper

94 100

96 91.5 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

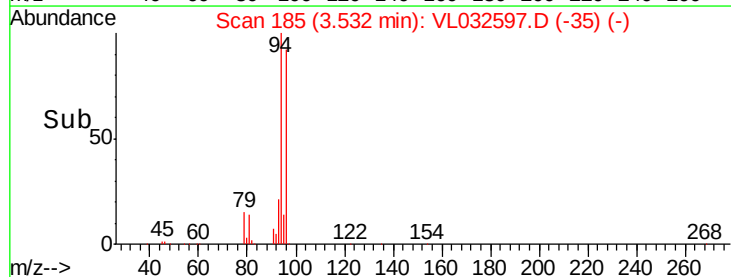
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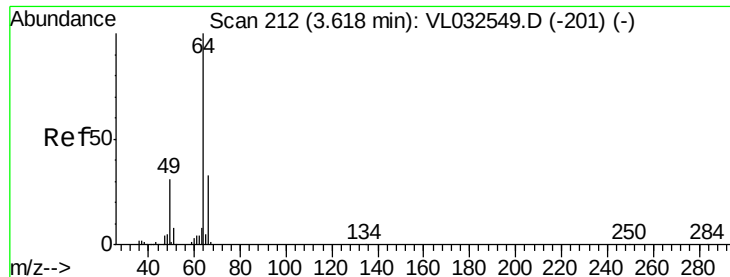
50000

0

3.45 3.50 3.55 3.60

Time-->





#7

Chloroethane

Concen: 9.644 ppbv

RT: 3.62 min Scan# 211

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 213295

Ion Ratio Lower Upper

64 100

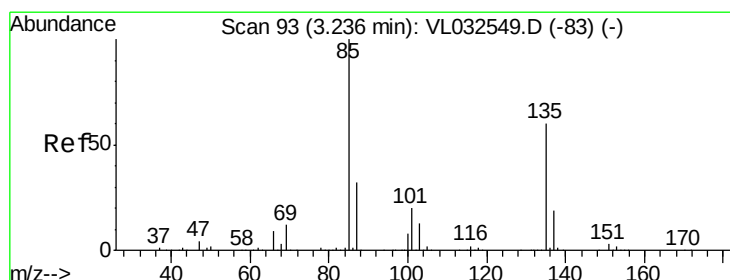
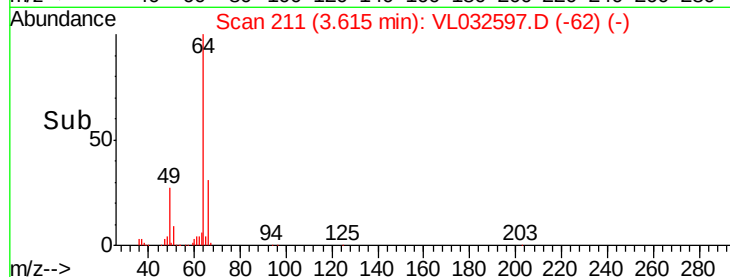
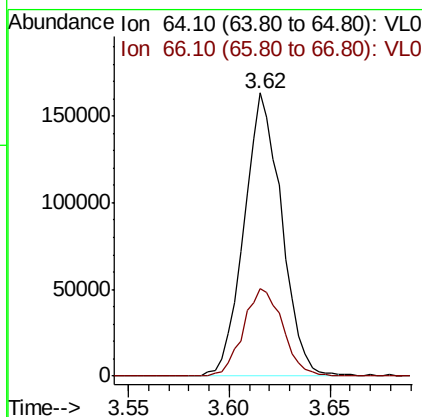
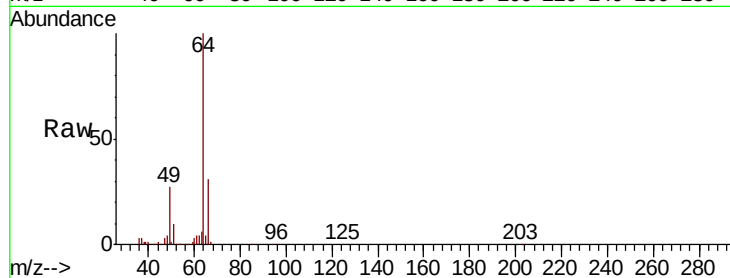
66 30.8 25.8 38.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.410 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032597.D

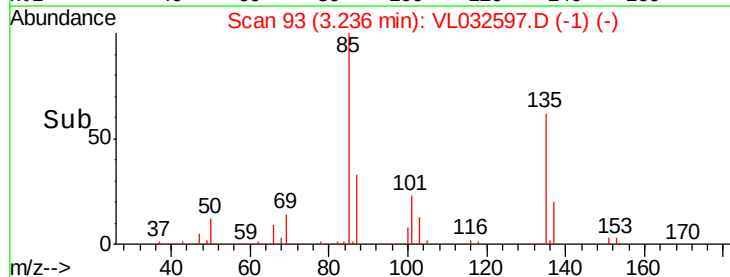
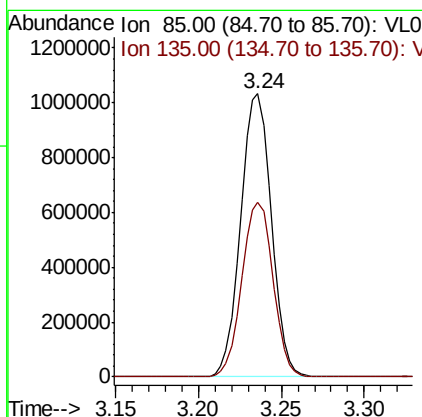
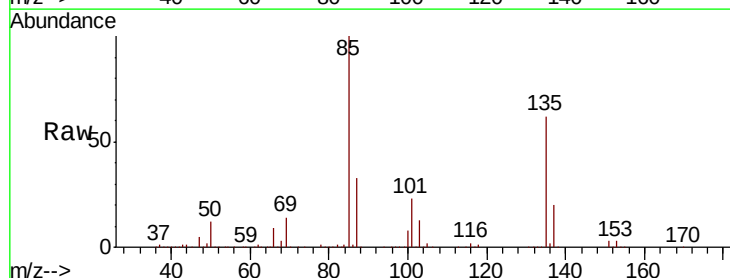
Acq: 4 Oct 2018 12:01

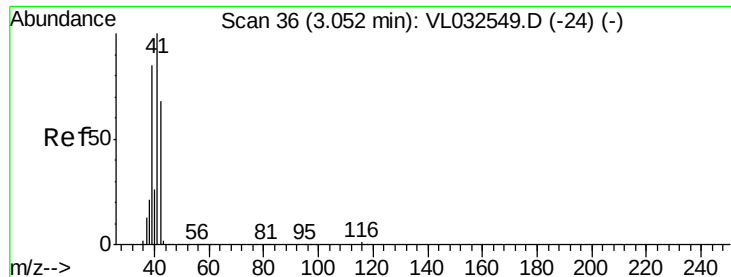
Tgt Ion: 85 Resp: 1332828

Ion Ratio Lower Upper

85 100

135 62.8 48.6 72.8





#9

Propene

Concen: 8.978 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 410403

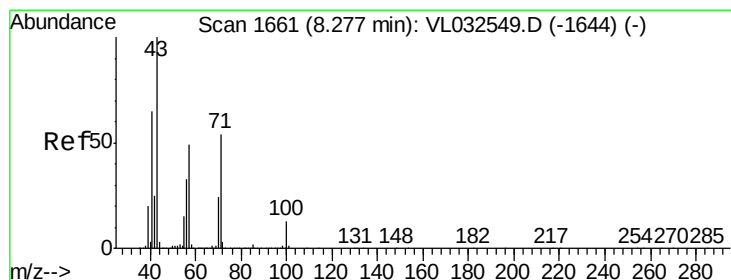
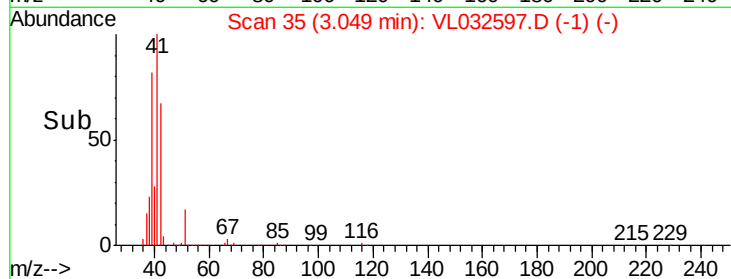
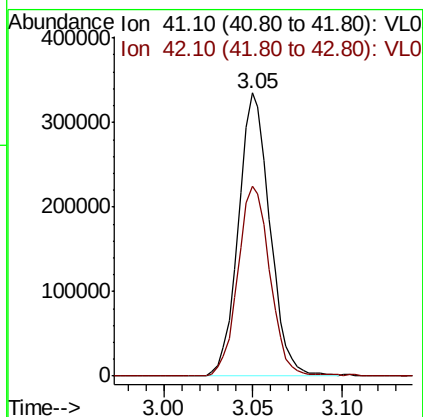
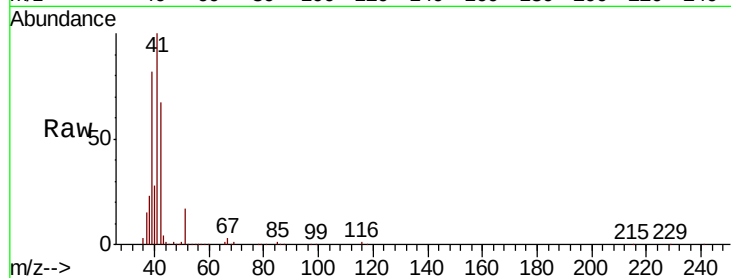
Ion Ratio Lower Upper

41 100

42 69.0 56.6 84.8

Manual Integrations
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#10

Heptane

Concen: 10.382 ppbv

RT: 8.27 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL032597.D

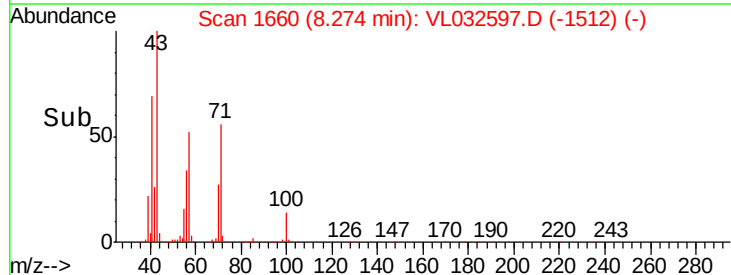
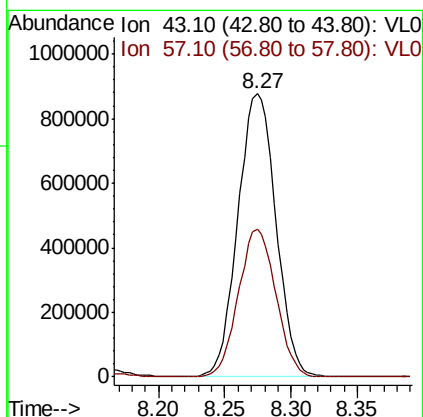
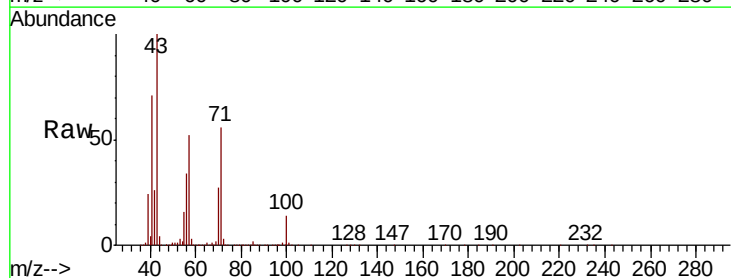
Acq: 4 Oct 2018 12:01

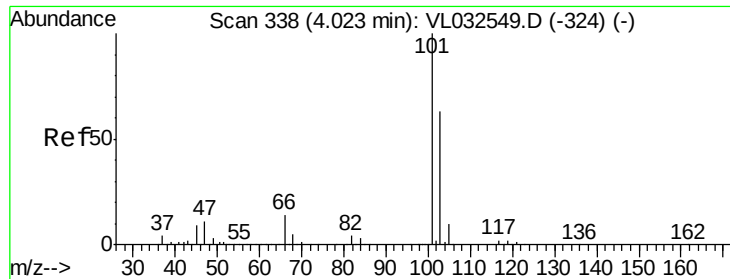
Tgt Ion: 43 Resp: 1740613

Ion Ratio Lower Upper

43 100

57 51.7 39.6 59.4





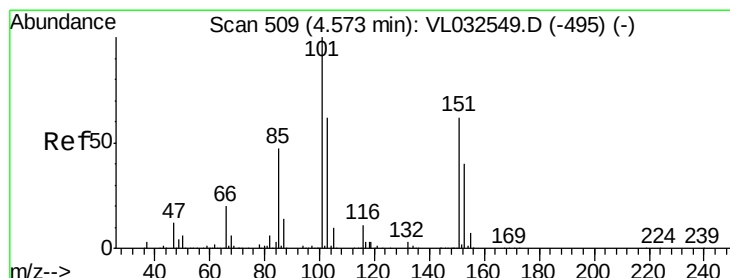
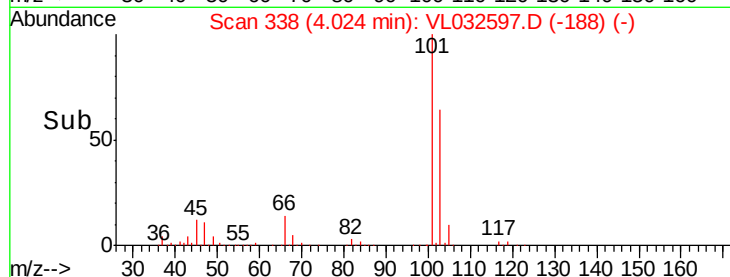
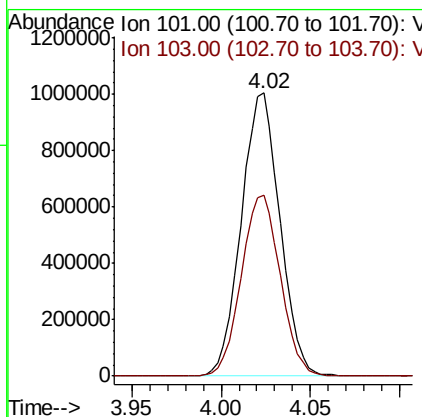
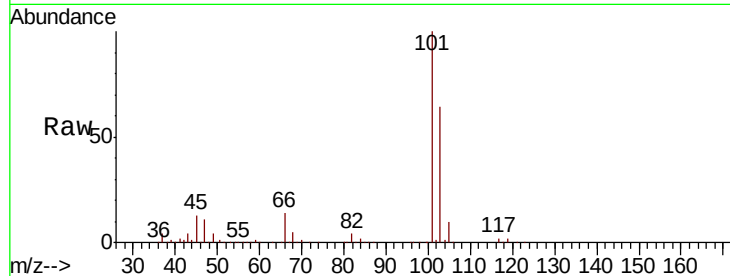
#11
 Trichlorofluoromethane
 Concen: 10.959 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1526628
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.8 79.2

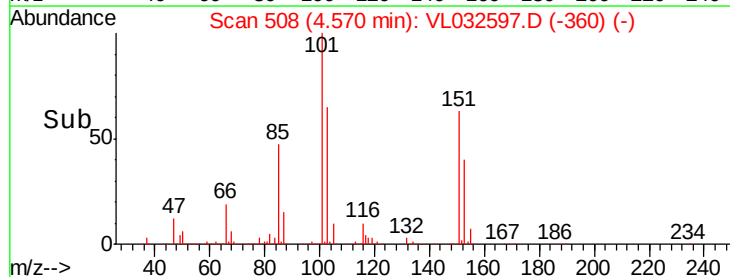
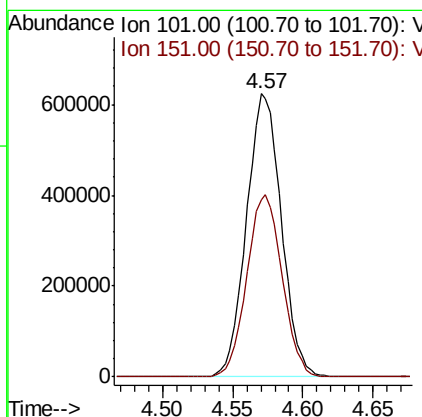
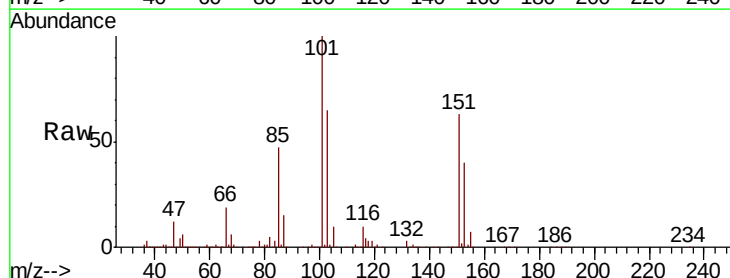
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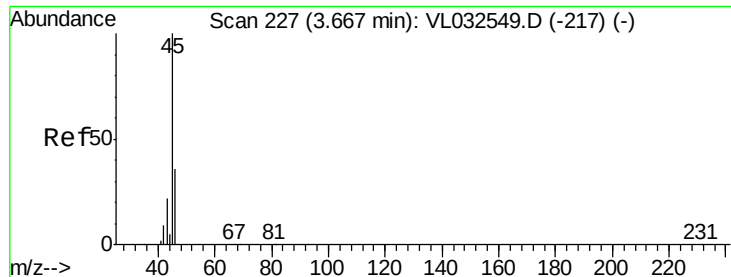
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.496 ppbv
 RT: 4.57 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion:101 Resp: 1081276
 Ion Ratio Lower Upper
 101 100
 151 65.2 52.6 78.8





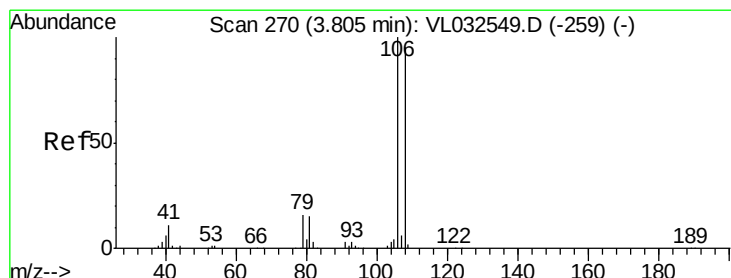
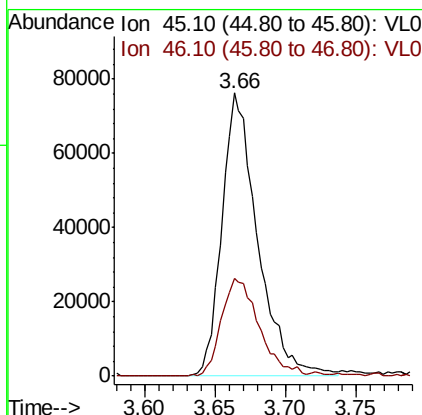
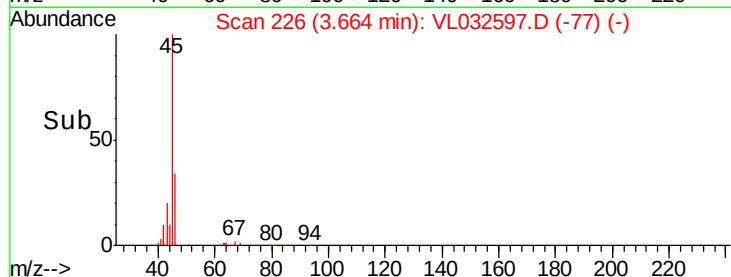
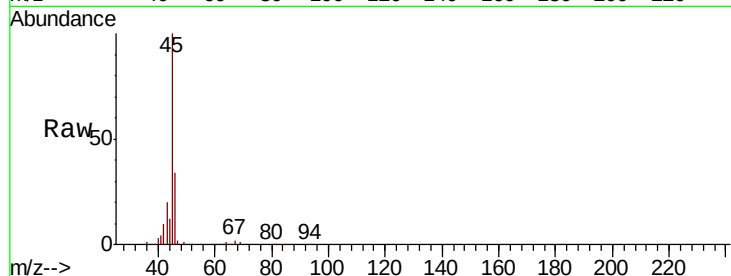
#13
Ethanol
Concen: 9.828 ppbv
RT: 3.66 min Scan# 226
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	135037
Ion Ratio	100	Lower	Upper
45	100		
46	37.6	14.2	56.8

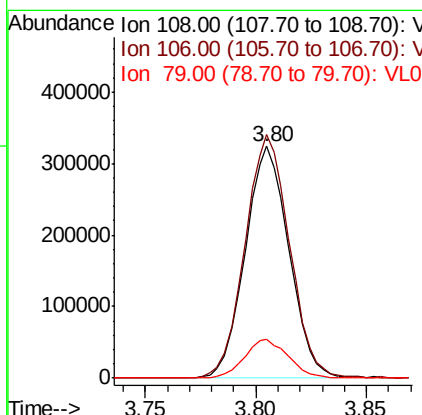
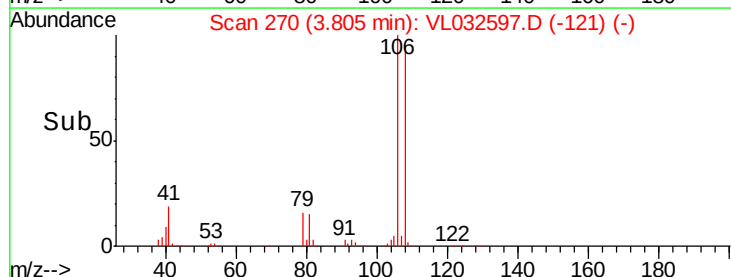
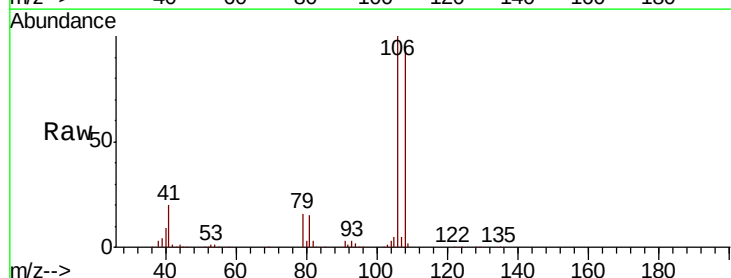
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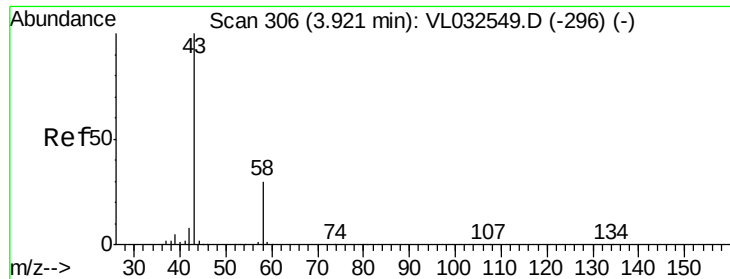
MMDadoda
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#14
Bromoethene
Concen: 11.014 ppbv
RT: 3.80 min Scan# 270
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion	108	Resp	445005
Ion Ratio	100	Lower	Upper
108	100		
106	107.3	85.5	128.3
79	17.0	13.0	19.6





#15

Acetone

Concen: 11.791 ppbv

RT: 3.92 min Scan# 305

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1311154

Ion Ratio Lower Upper

43 100

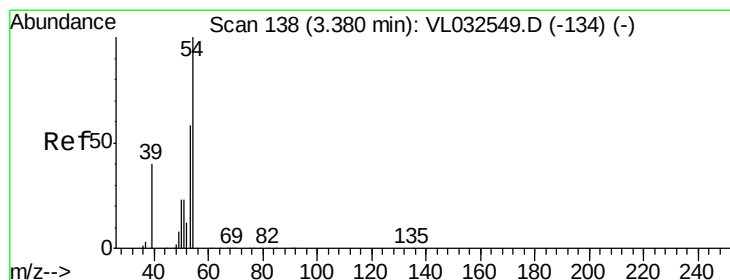
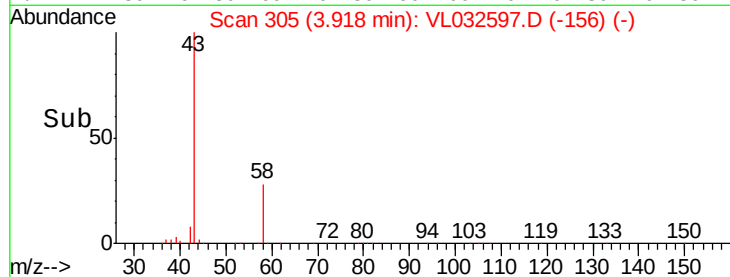
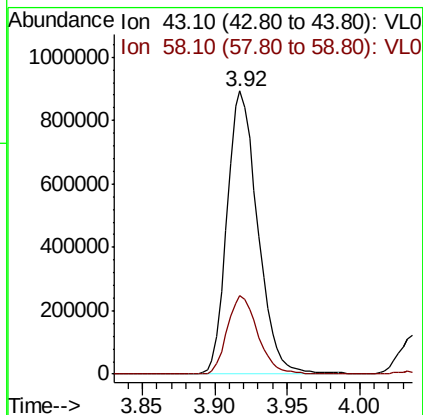
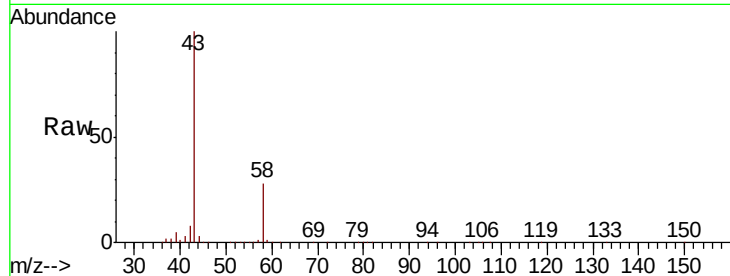
58 27.8 22.6 33.8

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#16

1,3-Butadiene

Concen: 9.588 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032597.D

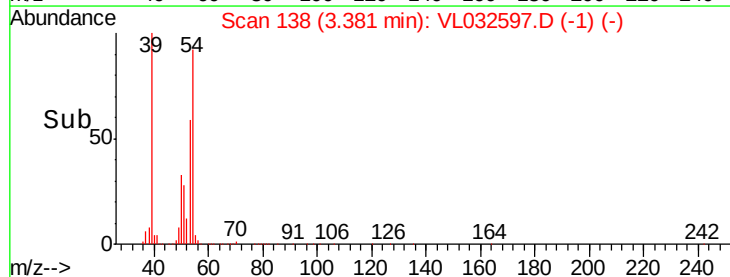
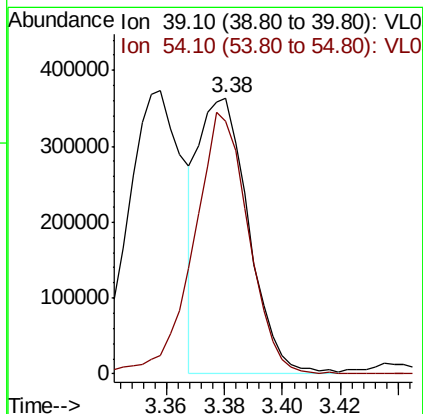
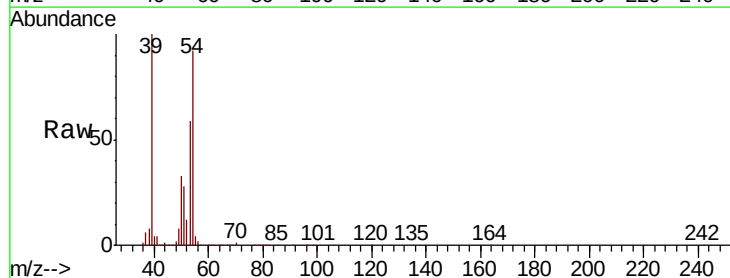
Acq: 4 Oct 2018 12:01

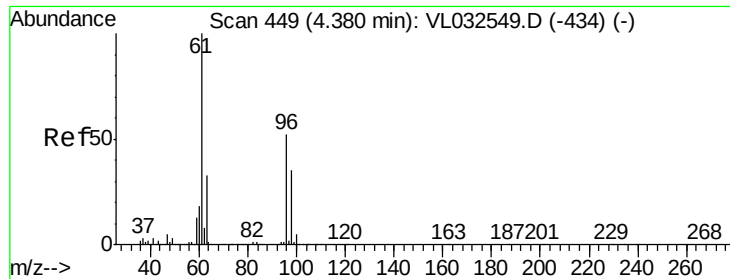
Tgt Ion: 39 Resp: 432394

Ion Ratio Lower Upper

39 100

54 105.5 80.8 121.2





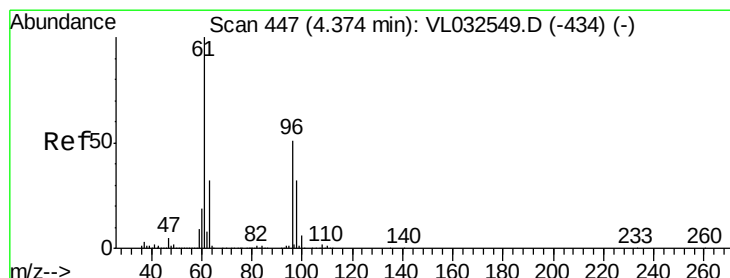
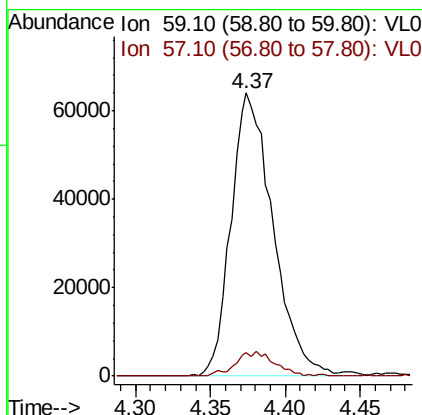
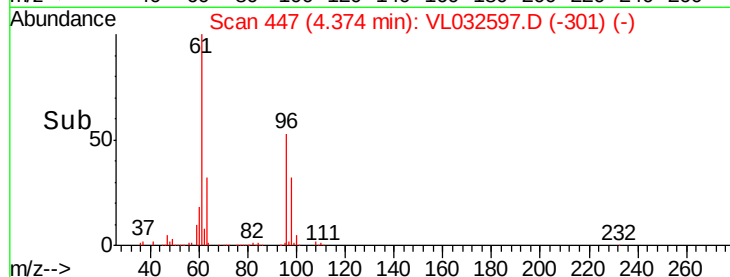
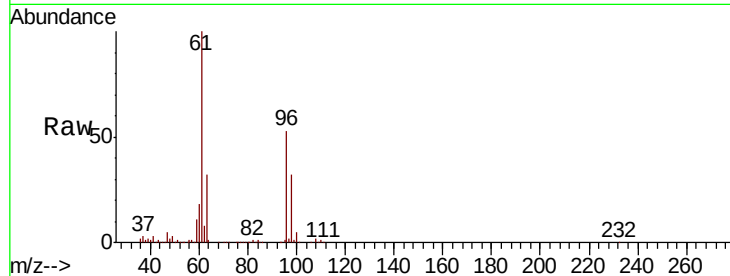
#17
tert-Butyl alcohol
Concen: 8.924 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 124705
Ion Ratio Lower Upper
59 100
57 8.2 0.0 0.0#

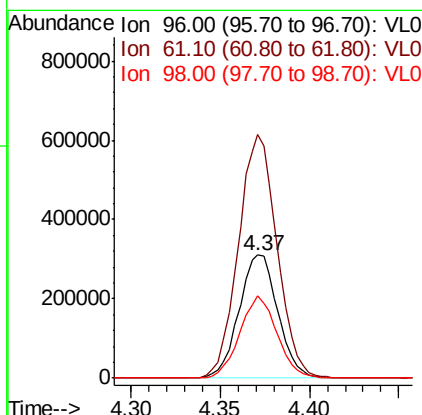
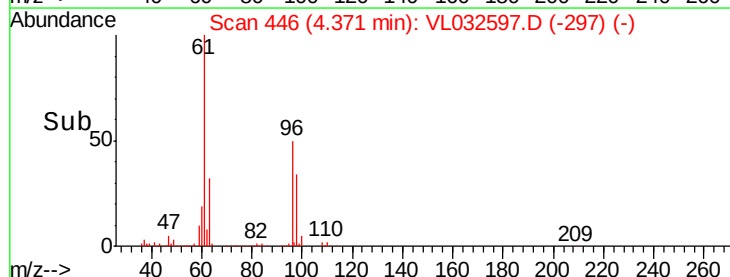
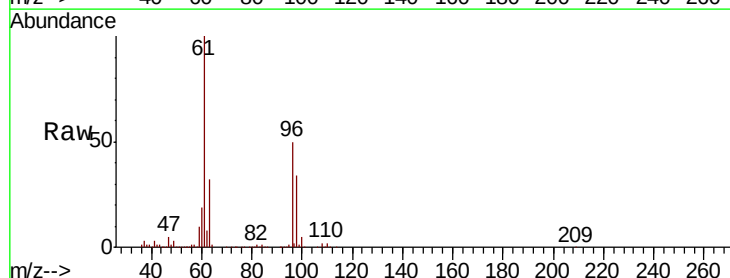
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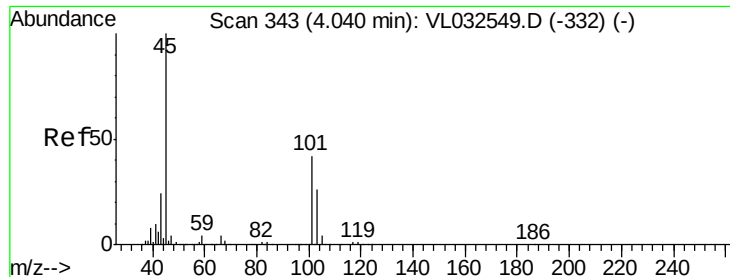
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#18
1,1-Dichloroethene
Concen: 8.885 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 96 Resp: 473824
Ion Ratio Lower Upper
96 100
61 198.0 159.2 238.8
98 66.8 51.0 76.4





#19

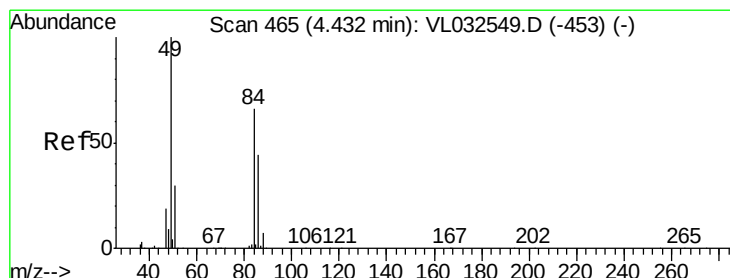
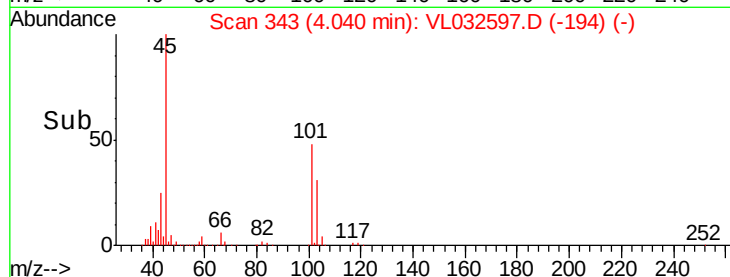
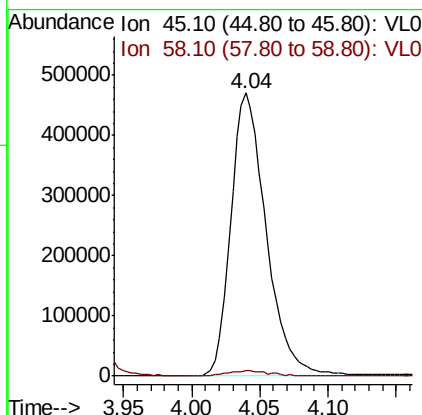
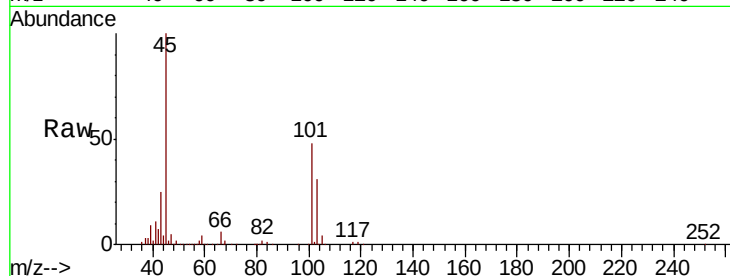
Isopropyl Alcohol
 Concen: 10.875 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	45	Resp	842326
Ion Ratio	100	Lower	Upper
45	100		
58	2.8	2.0	3.0

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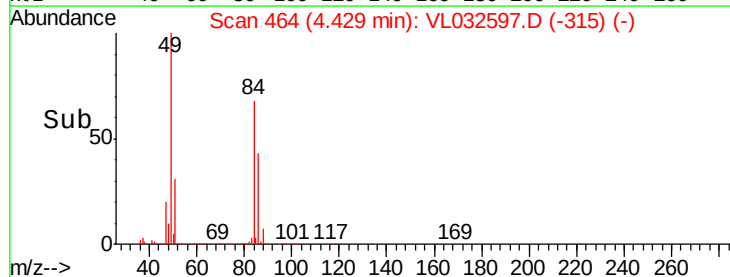
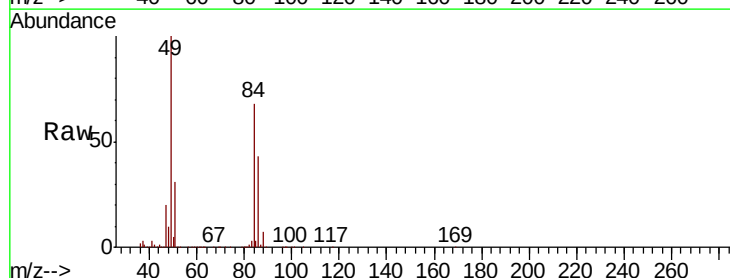
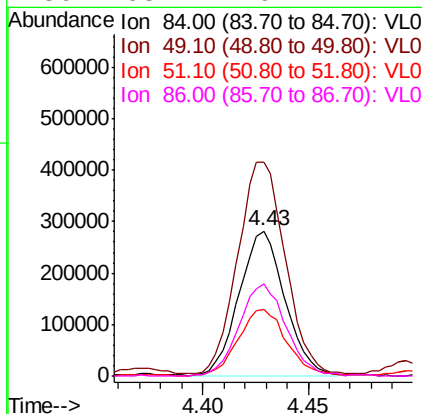
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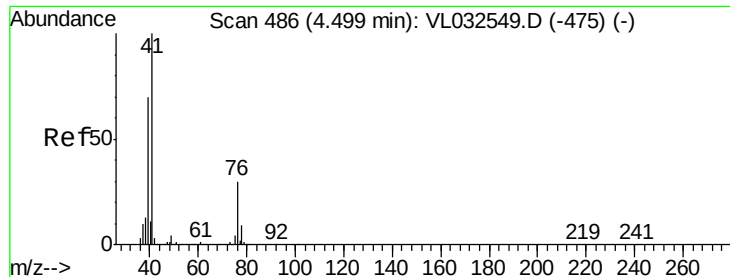


#20

Methylene Chloride
 Concen: 7.858 ppbv
 RT: 4.43 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion	84	Resp	423173
Ion Ratio	100	Lower	Upper
84	100		
49	146.4	119.1	178.7
51	46.1	35.2	52.8
86	63.2	49.4	74.2





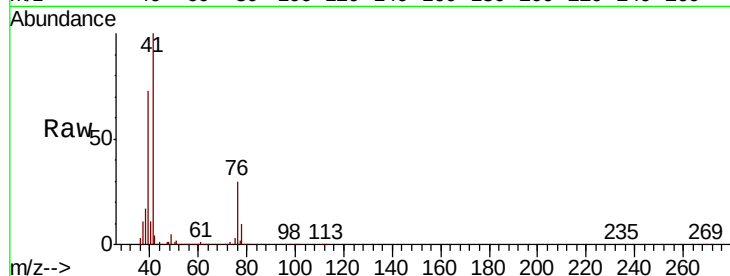
#21
Allvl Chloride
Concen: 9.066 ppbv
RT: 4.50 min Scan# 485
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

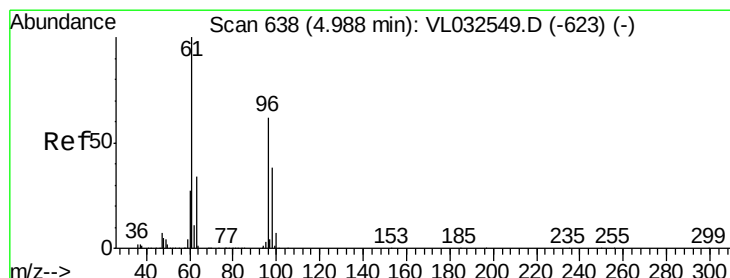
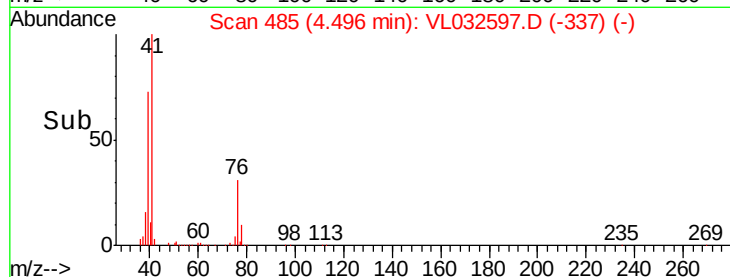
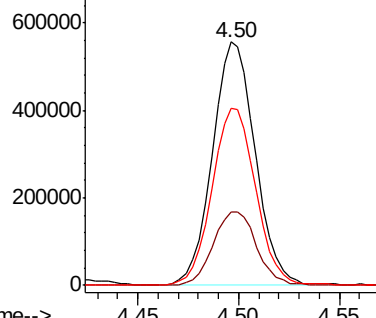
Tot Ion:	41	Resp:	823954
Ion Ratio	Lower	Upper	
41	100		
76	31.0	23.6	35.4
39	74.5	57.7	86.5

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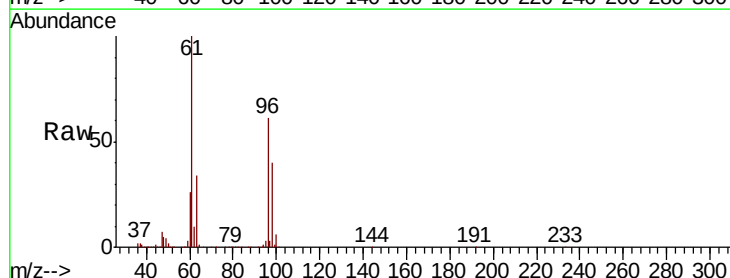


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

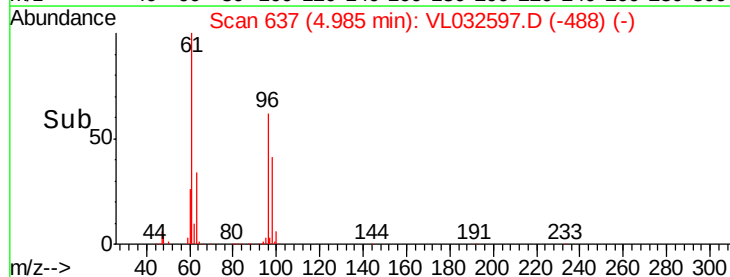
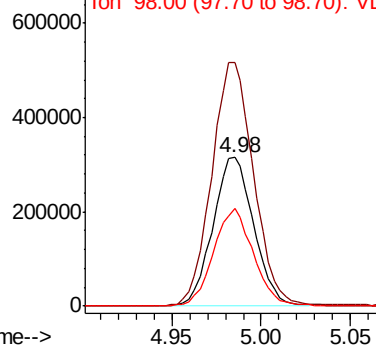


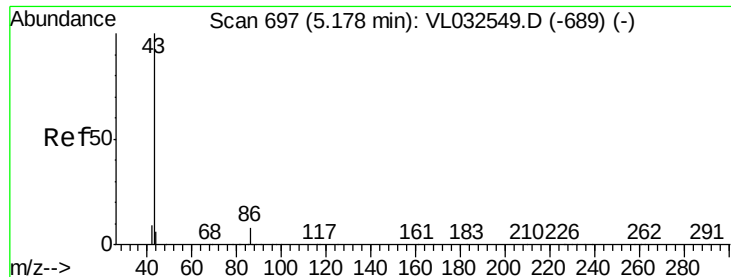
#22
trans-1,2-Dichloroethene
Concen: 10.066 ppbv
RT: 4.98 min Scan# 637
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:	96	Resp:	505897
Ion Ratio	Lower	Upper	
96	100		
61	163.3	136.2	204.4
98	65.6	50.4	75.6



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





#23

Vinyl Acetate

Concen: 10.150 ppbv

RT: 5.17 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1994449

Ion Ratio Lower Upper

43 100

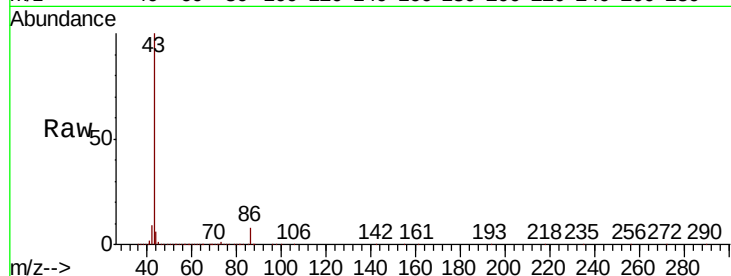
86 7.9 5.9 8.9

42 9.3 6.9 10.3

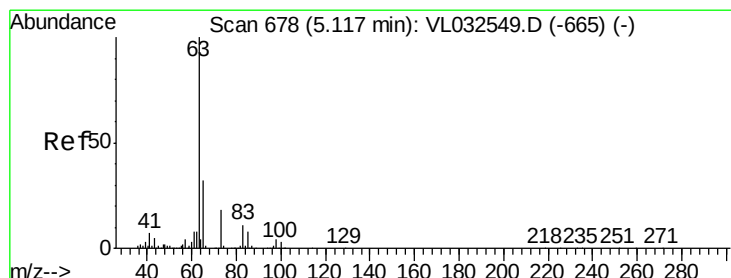
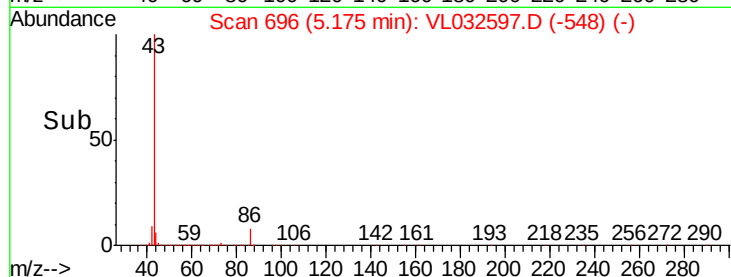
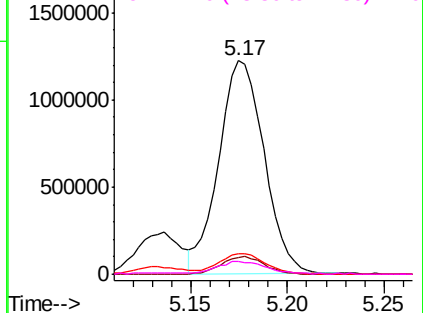
44 5.7 4.6 7.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.925 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

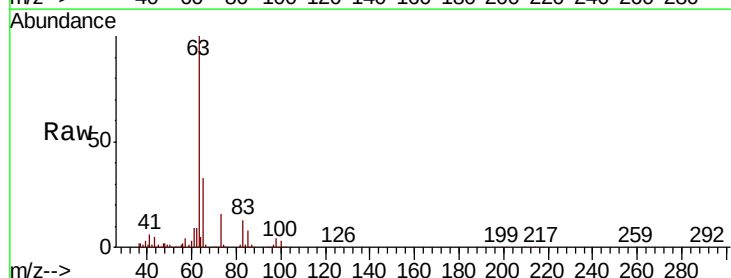
Tgt Ion: 63 Resp: 1624076

Ion Ratio Lower Upper

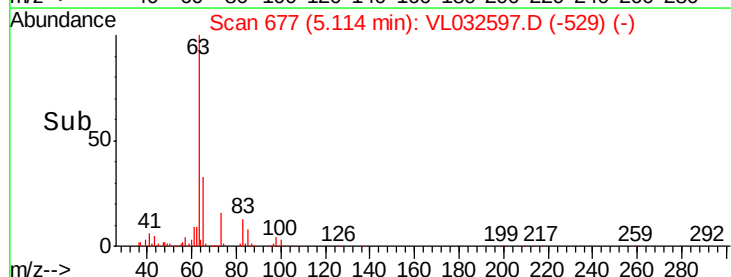
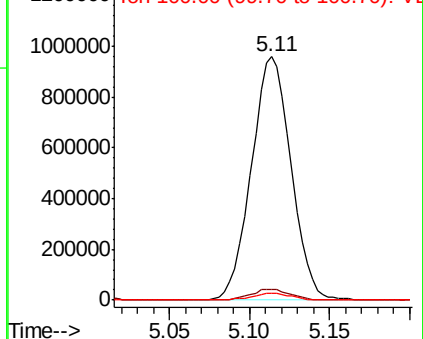
63 100

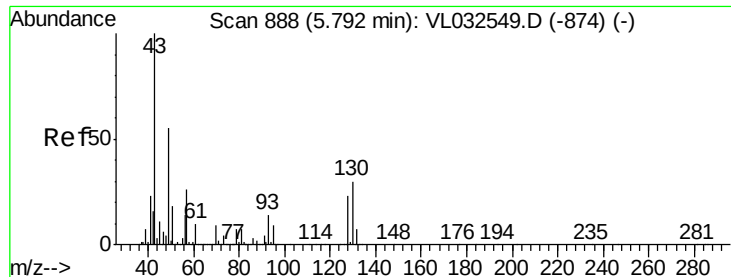
98 4.4 2.1 6.5

100 2.8 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





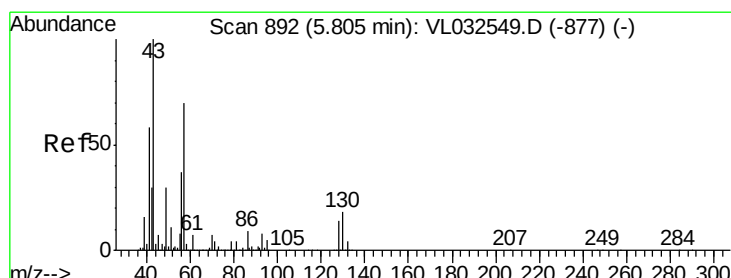
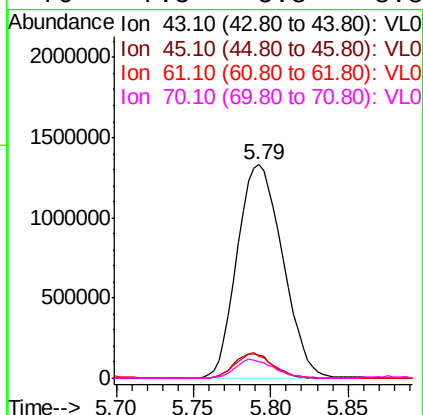
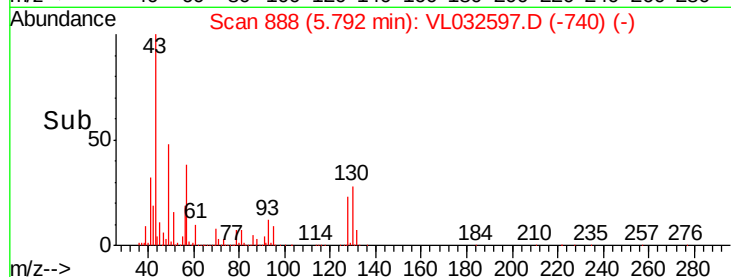
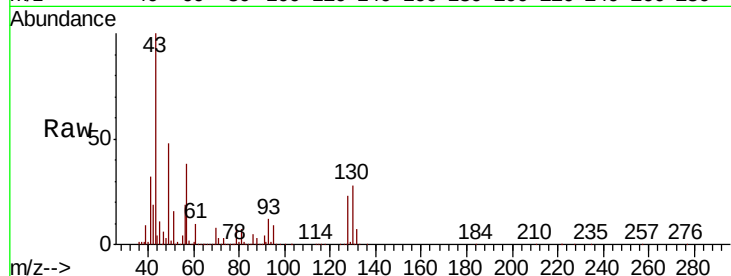
#25
Ethyl Acetate
Concen: 10.069 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	8.0	12.0	
61	9.9	7.6	11.4	
70	7.5	5.8	8.8	

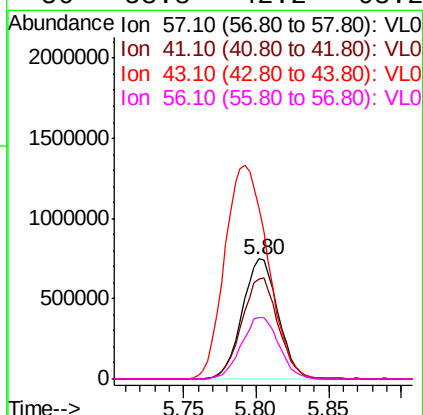
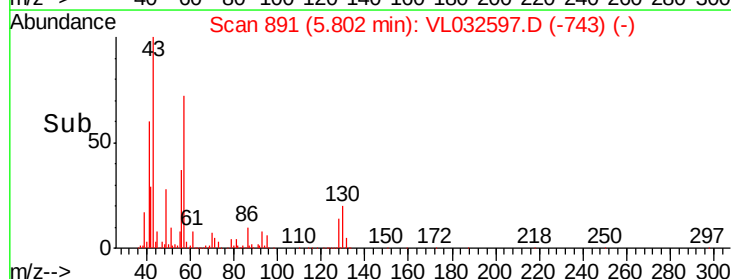
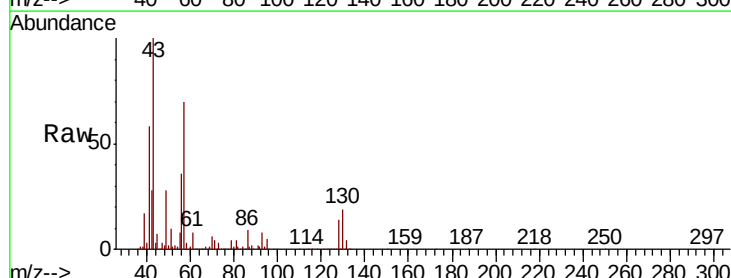
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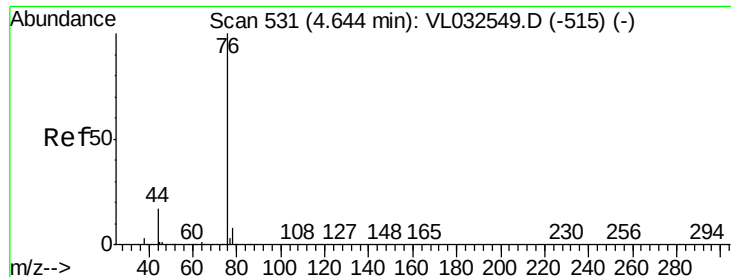
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#26
Hexane
Concen: 10.526 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	86.1	69.0	103.4	
43	212.6	172.1	258.1	
56	53.8	42.2	63.2	





#27

Carbon Disulfide

Concen: 10.561 ppbv

RT: 4.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1383758

Ion Ratio Lower Upper

76 100

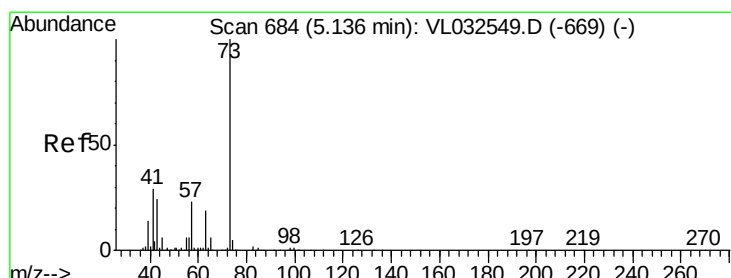
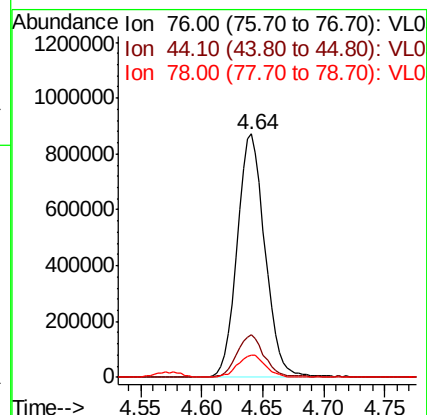
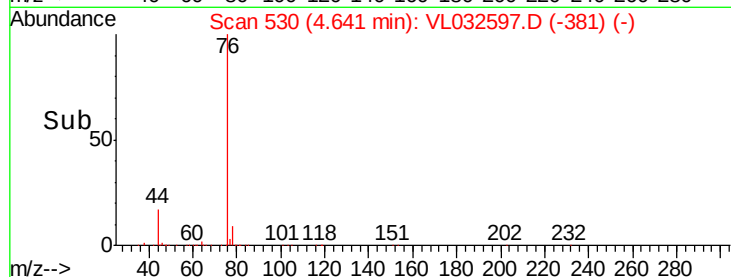
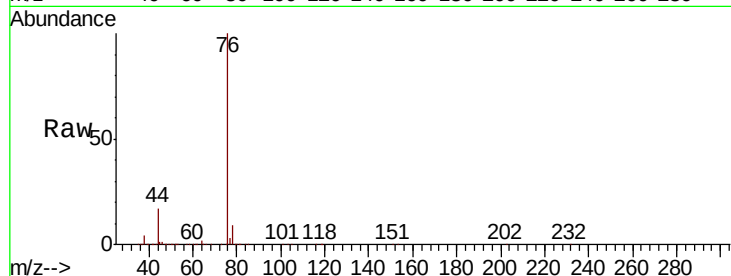
44 17.0 14.0 21.0

78 9.1 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 11.231 ppbv

RT: 5.13 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL032597.D

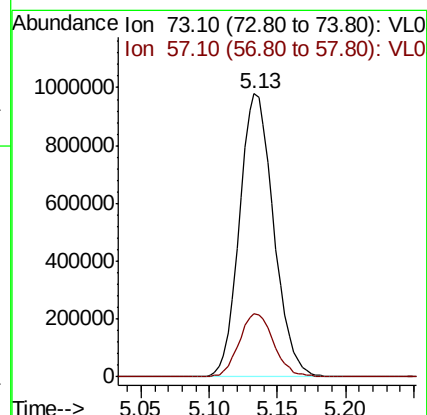
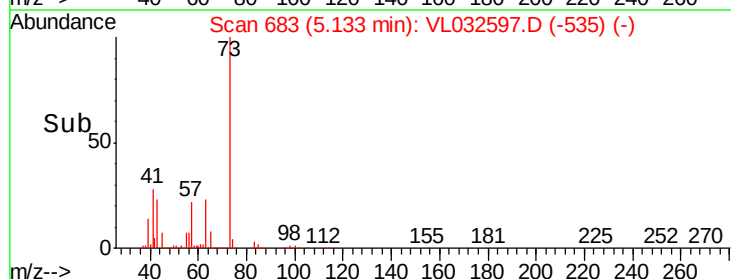
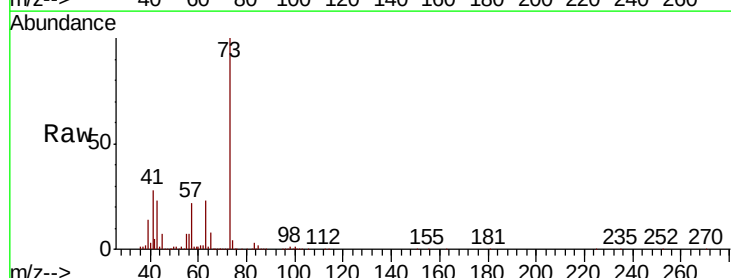
Acq: 4 Oct 2018 12:01

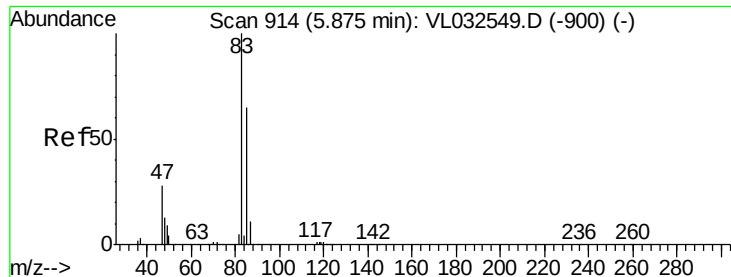
Tgt Ion: 73 Resp: 1705205

Ion Ratio Lower Upper

73 100

57 22.7 19.3 28.9





#29

Chloroform

Concen: 10.872 ppbv

RT: 5.88 min Scan# 914

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2033280

Ion Ratio Lower Upper

83 100

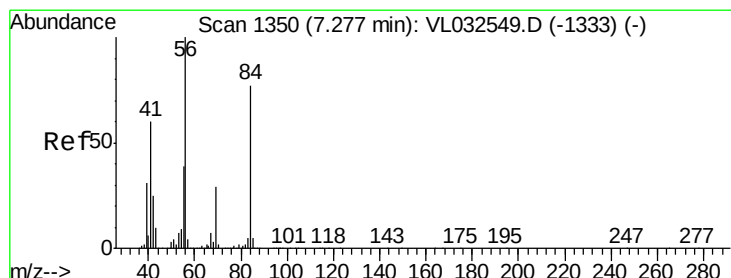
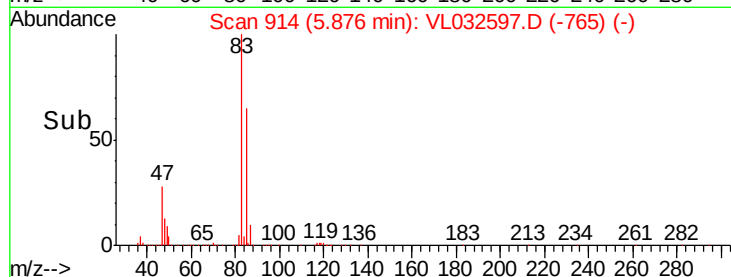
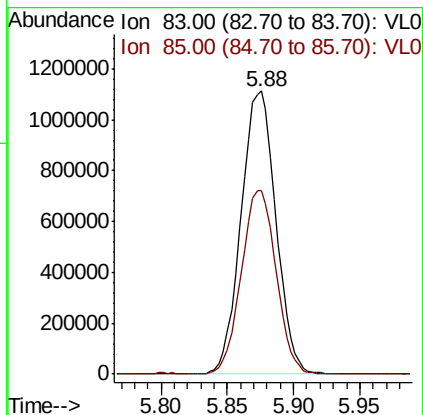
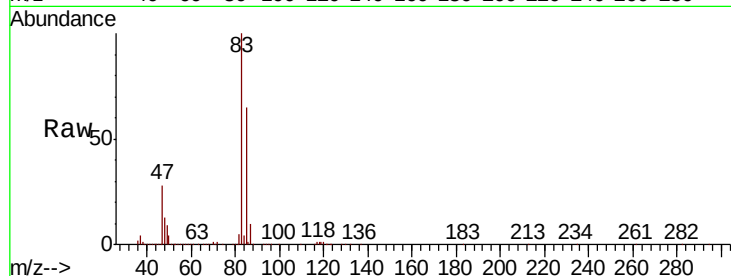
85 64.8 52.5 78.7

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#30

Cyclohexane

Concen: 11.110 ppbv

RT: 7.27 min Scan# 1348

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

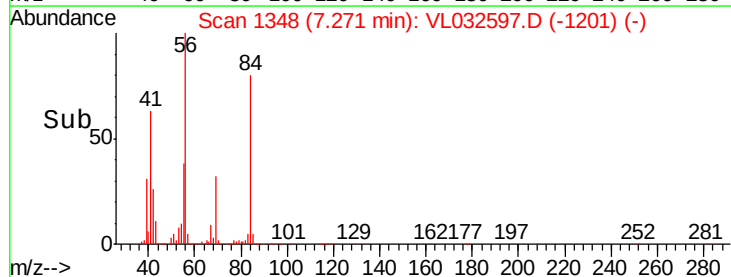
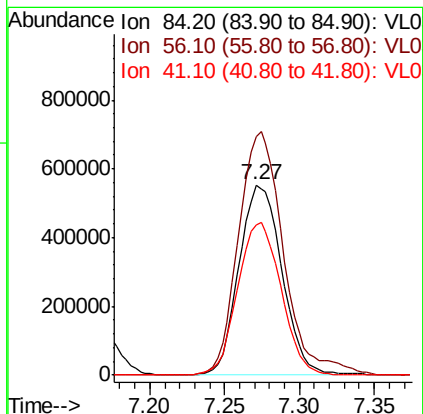
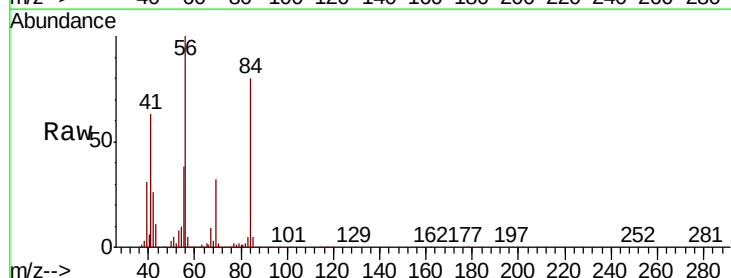
Tgt Ion: 84 Resp: 1102598

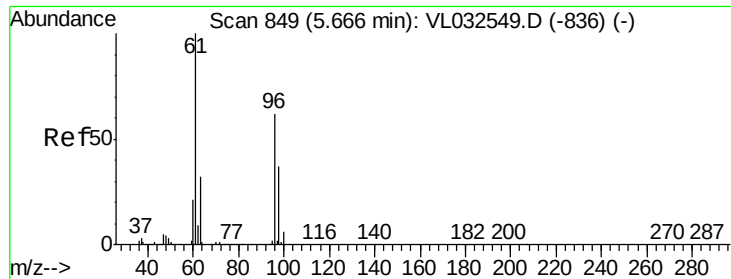
Ion Ratio Lower Upper

84 100

56 135.3 113.5 170.3

41 81.6 68.1 102.1





#31

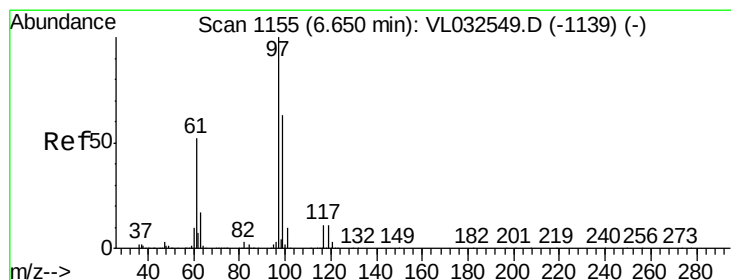
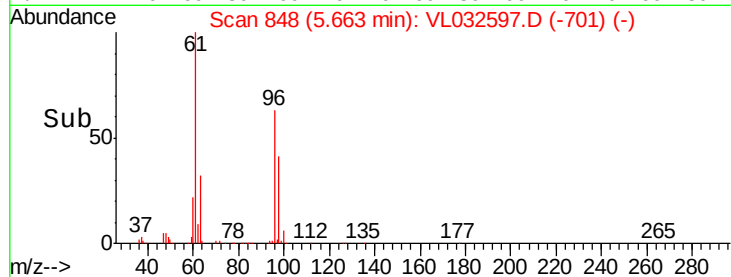
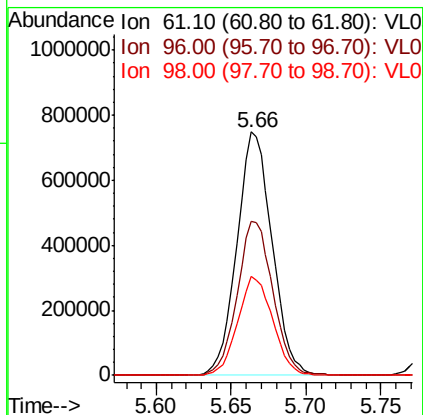
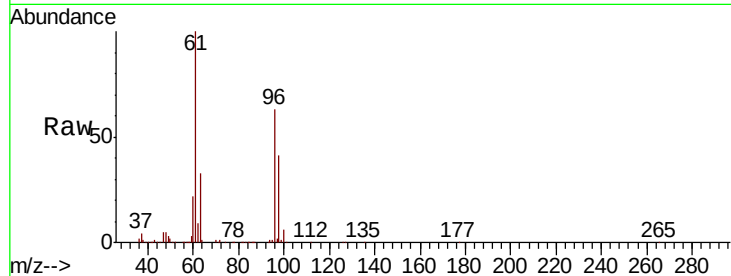
cis-1,2-Dichloroethene
 Concen: 10.561 ppbv
 RT: 5.66 min Scan# 848
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	49.2	73.8
98	40.6	30.7	46.1

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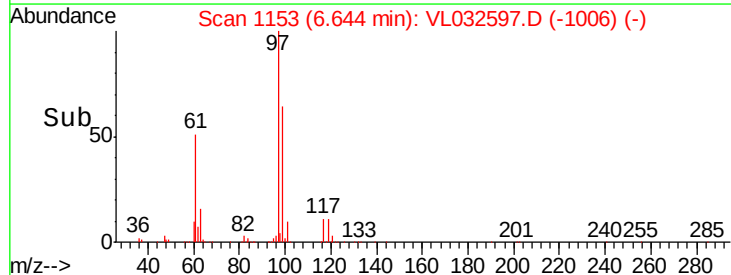
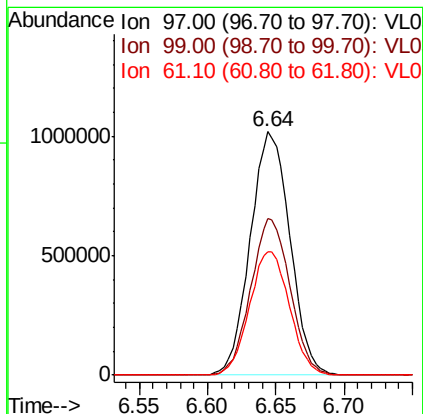
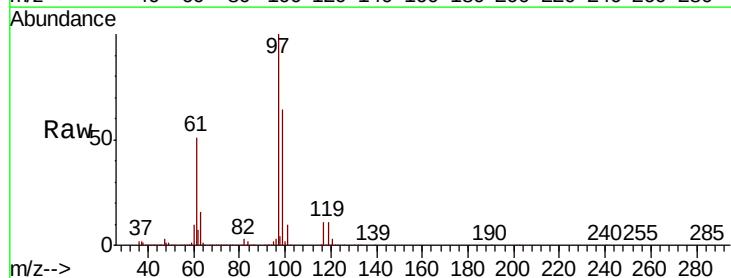
MMDadoda
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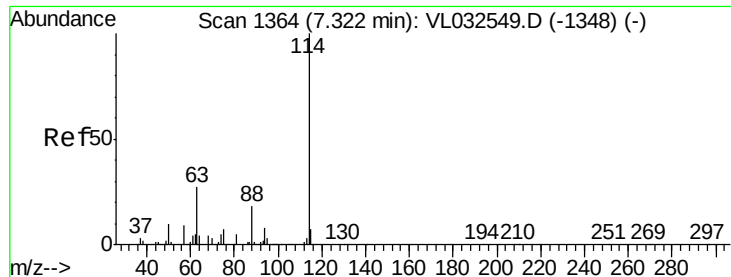


#32

1,1,1-Trichloroethane
 Concen: 10.329 ppbv
 RT: 6.64 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	51.2	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: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 2956070

Ion Ratio Lower Upper

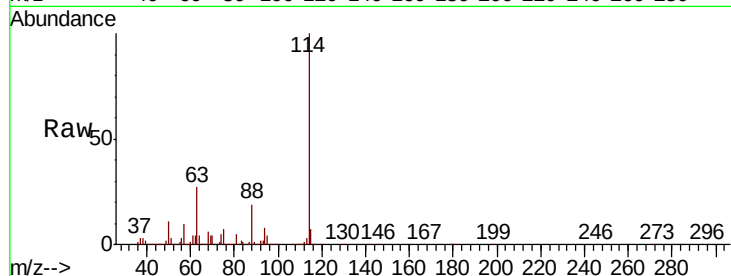
114 100

63 27.2 22.2 33.4

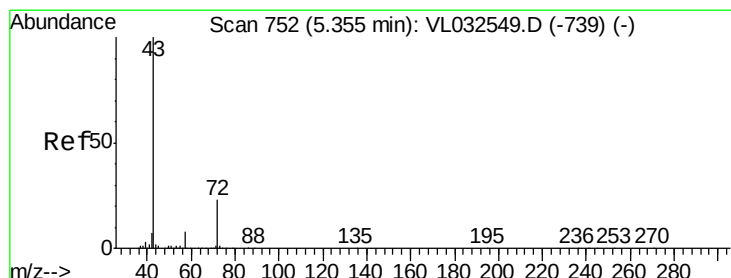
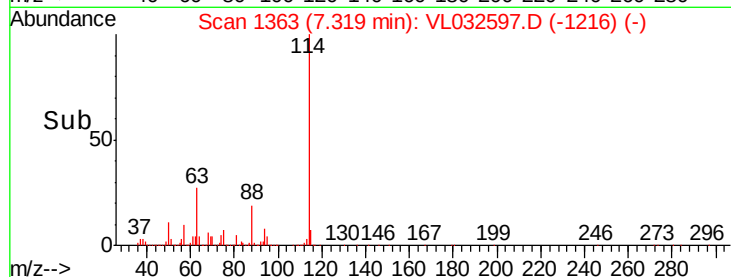
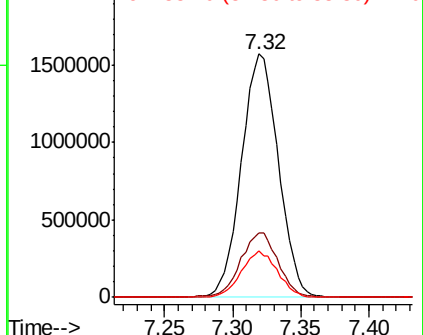
88 18.6 15.0 22.4

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Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.563 ppbv

RT: 5.35 min Scan# 750

Delta R.T. -0.02 min

Lab File: VL032597.D

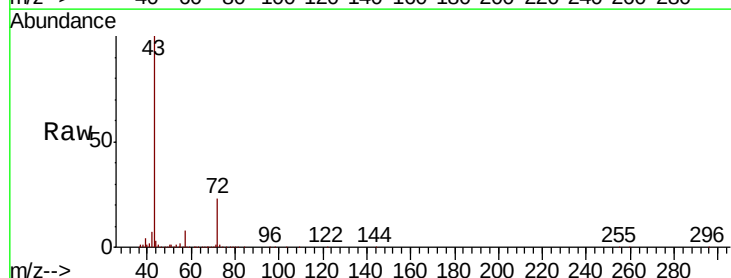
Acq: 4 Oct 2018 12:01

Tgt Ion: 43 Resp: 1507401

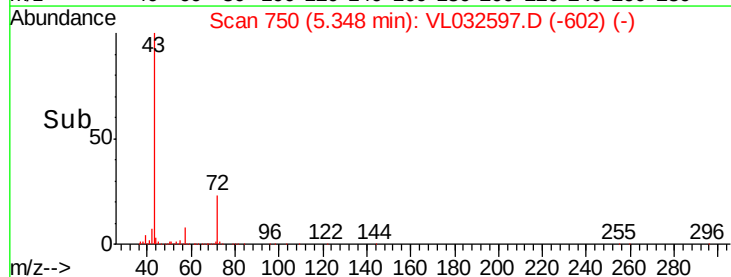
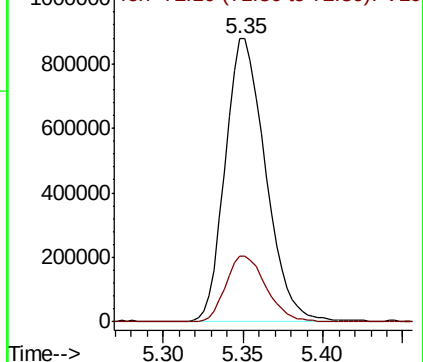
Ion Ratio Lower Upper

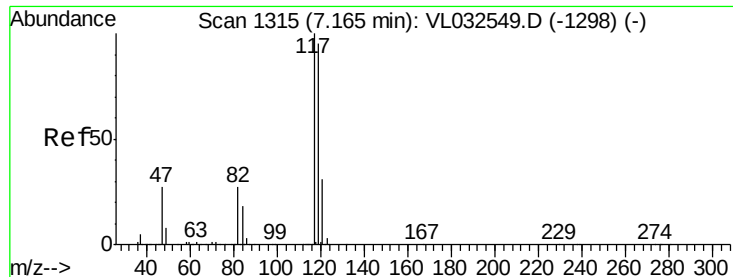
43 100

72 23.3 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





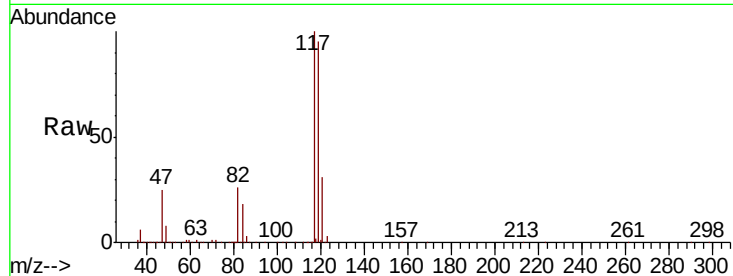
#35
Carbon Tetrachloride
Concen: 10.410 ppbv
RT: 7.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

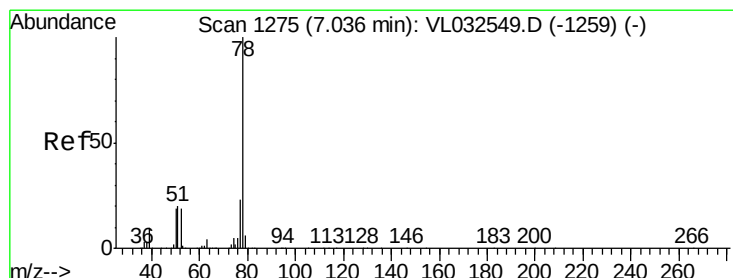
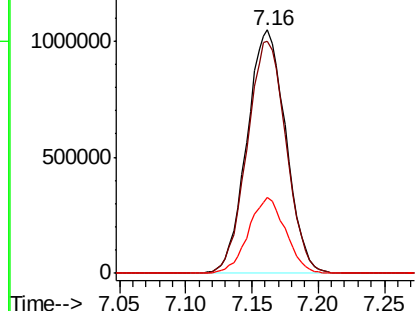
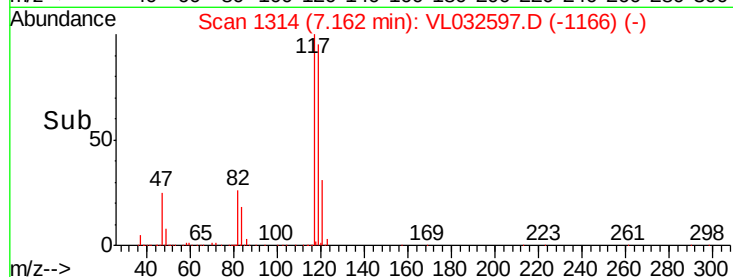
Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	115.0
121	31.2	24.6	36.8

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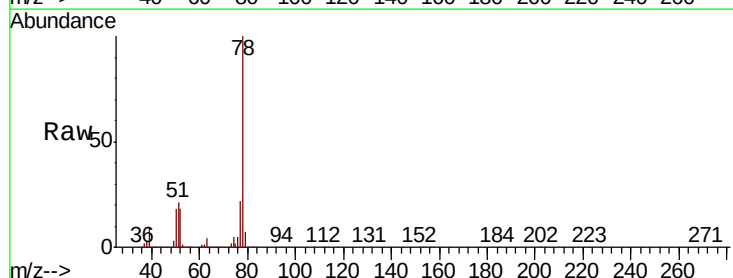


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

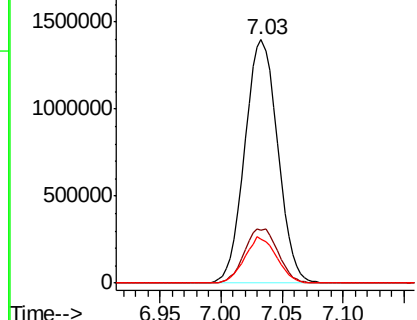
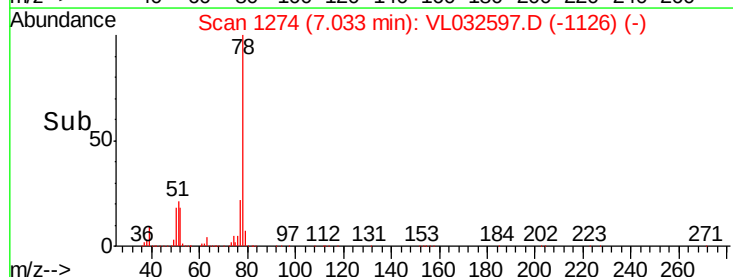


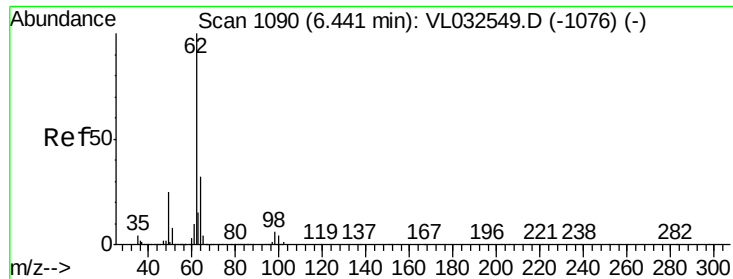
#36
Benzene
Concen: 10.874 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.4	27.6
50	18.0	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





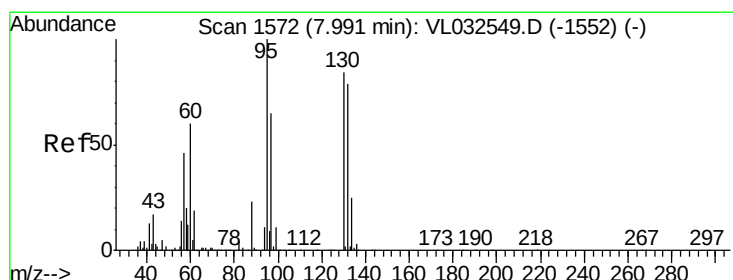
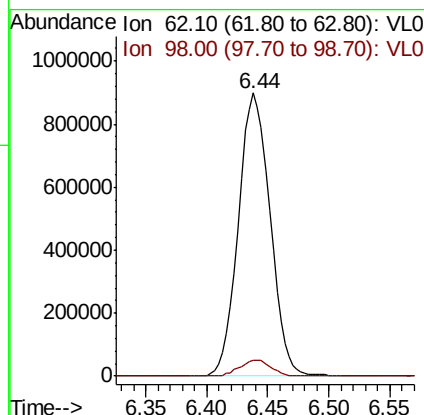
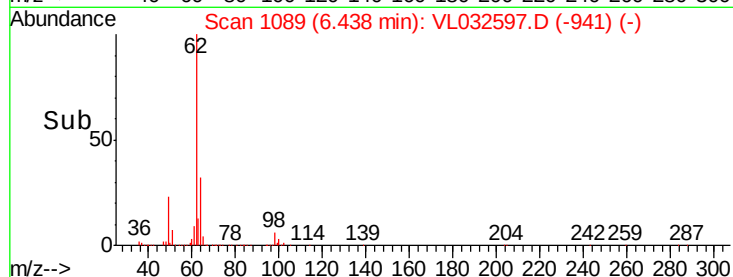
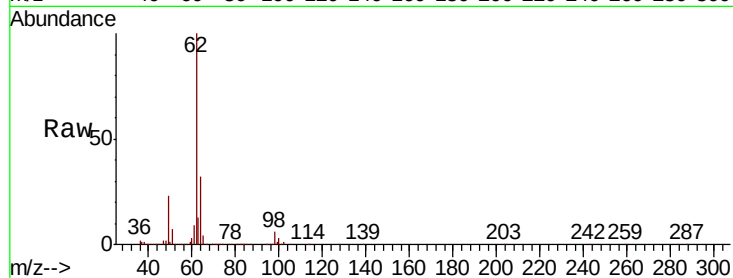
#37
 1,2-Dichloroethane
 Concen: 11.246 ppbv
 RT: 6.44 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1619140
 Ion Ratio Lower Upper
 62 100
 98 5.7 5.0 7.6

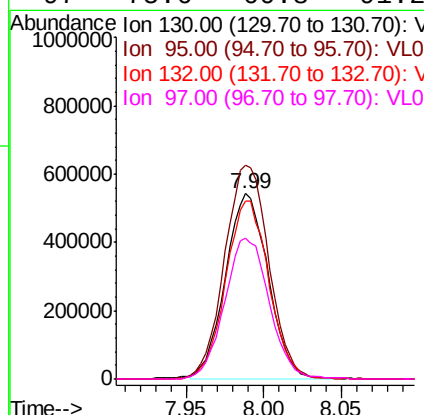
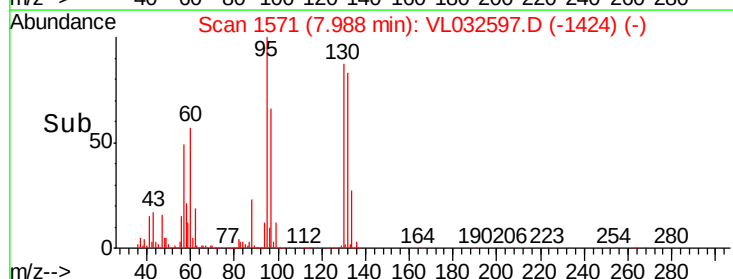
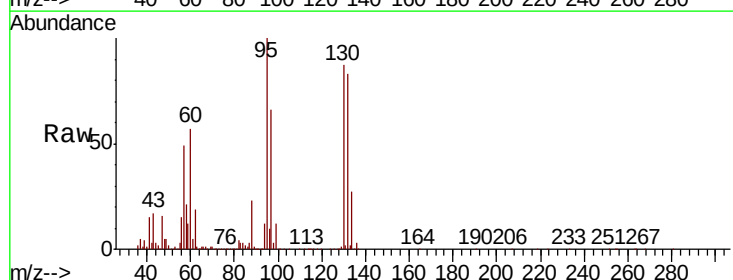
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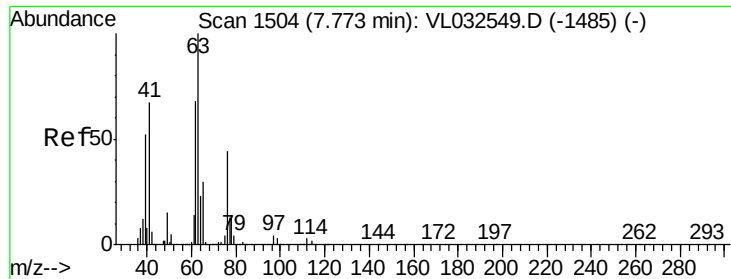
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#38
 Trichloroethene
 Concen: 11.356 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion: 130 Resp: 1038367
 Ion Ratio Lower Upper
 130 100
 95 114.7 94.2 141.4
 132 95.7 76.2 114.4
 97 75.6 60.8 91.2





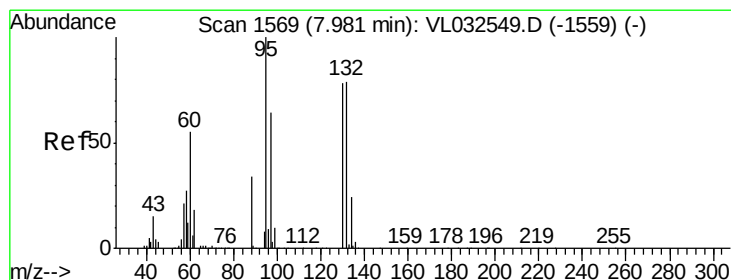
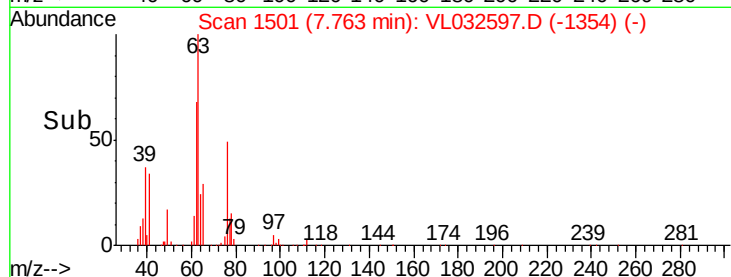
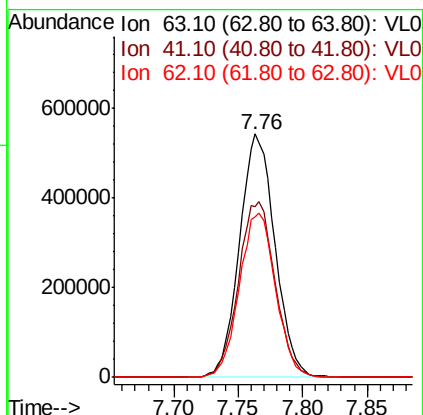
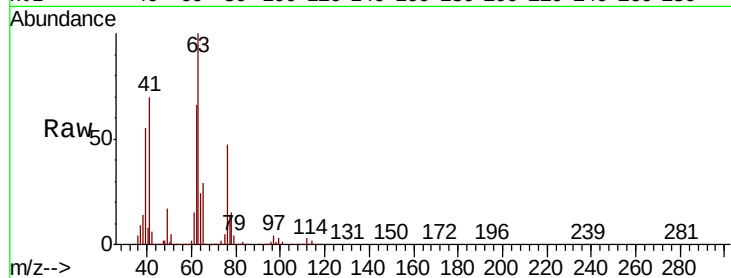
#39
 1,2-Dichloropropane
 Concen: 9.670 ppbv
 RT: 7.76 min Scan# 1501
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.1	55.4	83.0
62	65.7	55.4	83.0

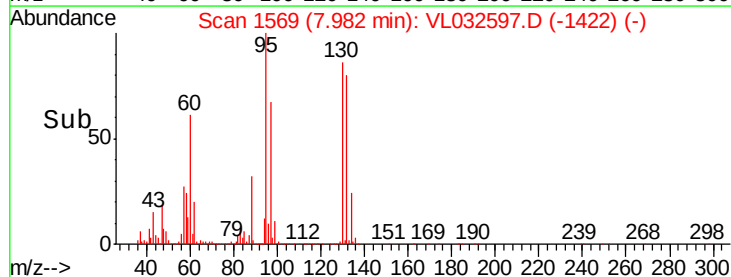
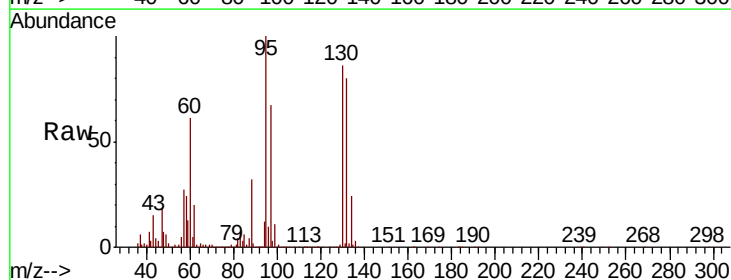
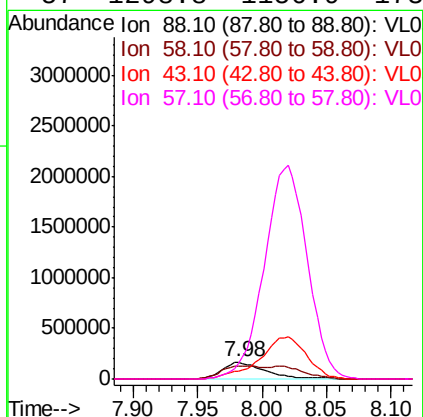
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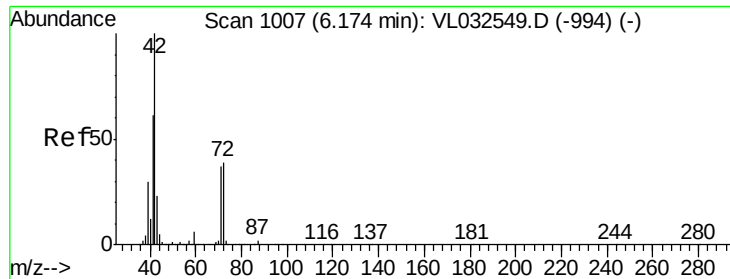
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#40
 1,4-Dioxane
 Concen: 11.460 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	141.2	119.7	179.5
43	278.8	253.0	379.4
57	1298.8	1156.9	1735.3





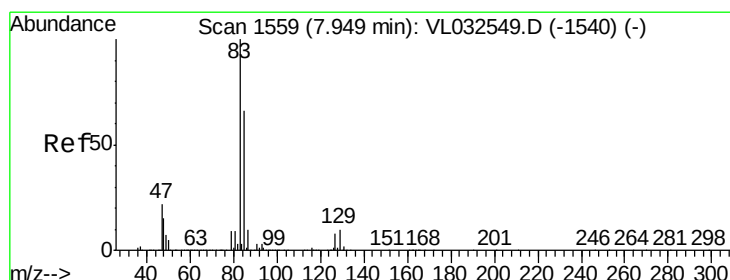
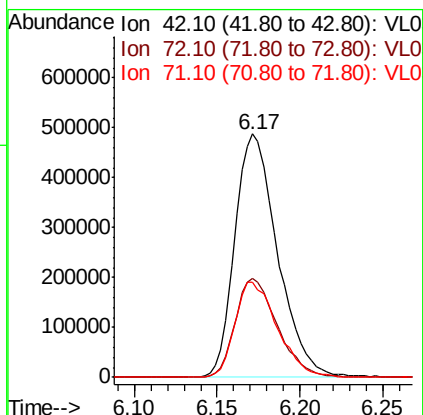
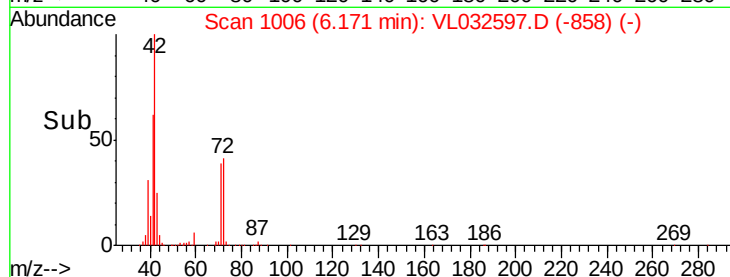
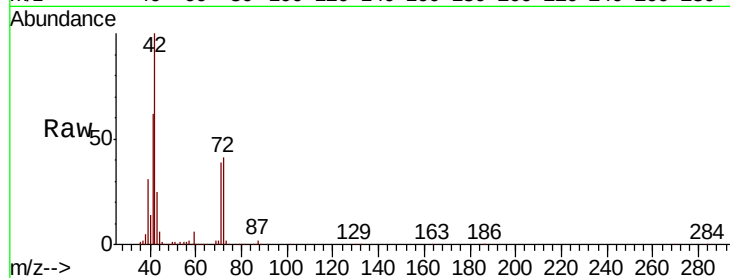
#41
Tetrahydrofuran
Concen: 9.086 ppbv
RT: 6.17 min Scan# 1006
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	29.5	44.3
71	39.2	28.3	42.5

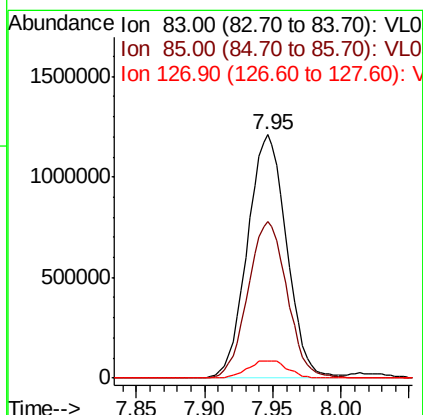
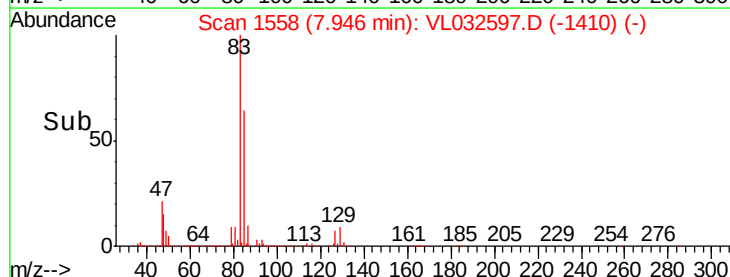
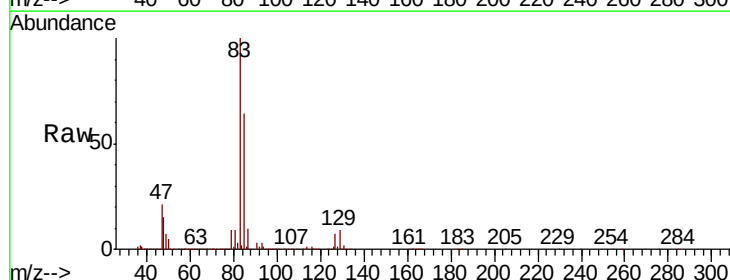
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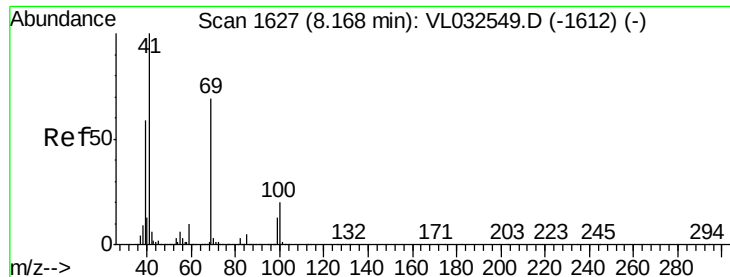
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#42
Bromodichloromethane
Concen: 11.168 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	7.1	5.8	8.8





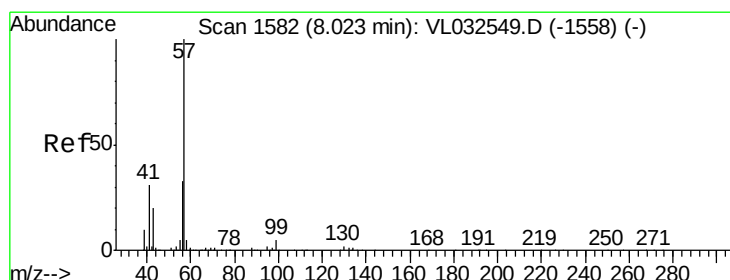
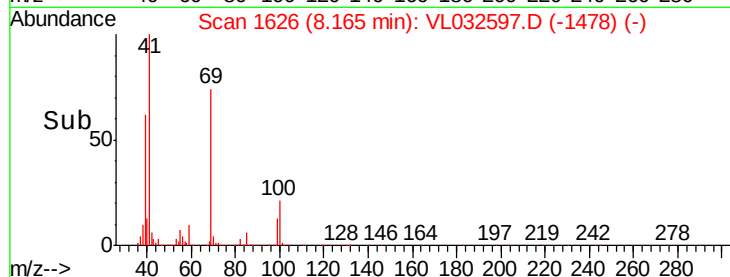
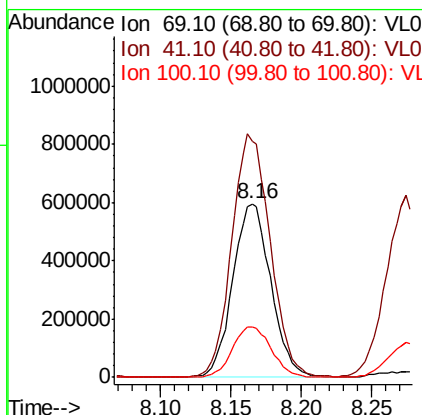
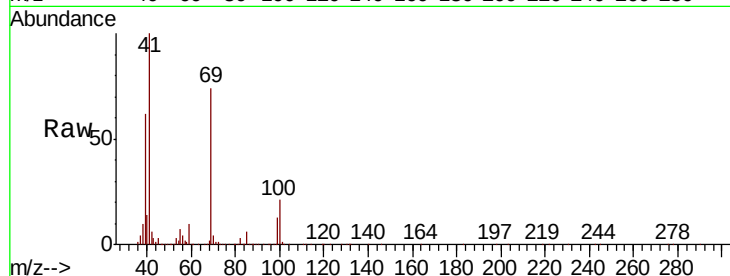
#43
Methyl Methacrylate
Concen: 11.260 ppbv
RT: 8.16 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1123722
Ion Ratio Lower Upper
69 100
41 141.6 117.1 175.7
100 30.1 23.4 35.2

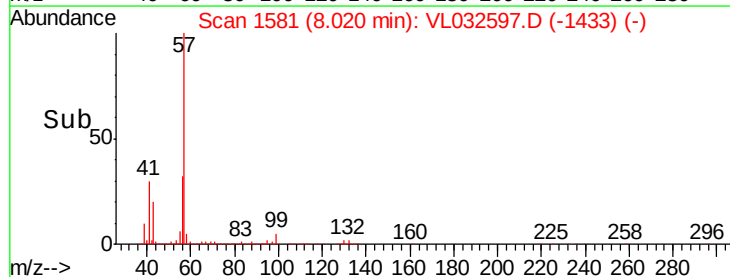
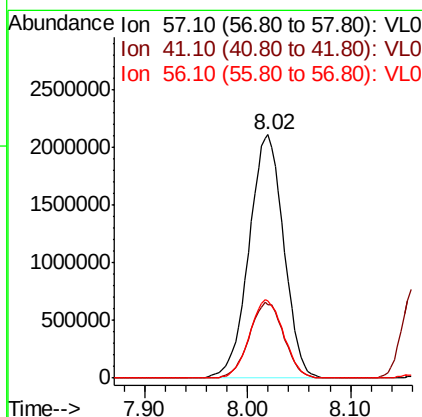
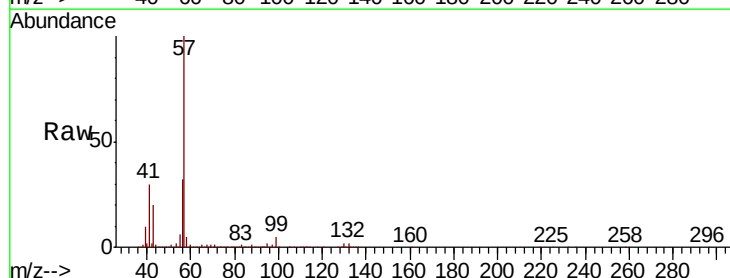
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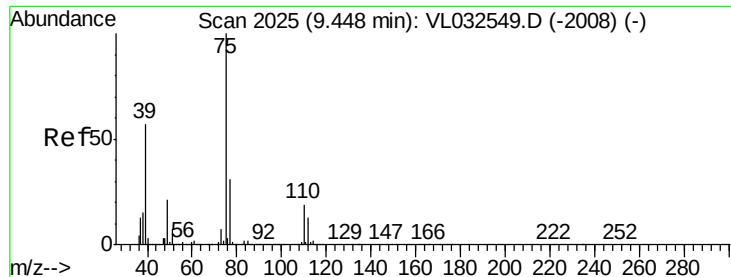
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#44
2,2,4-Trimethylpentane
Concen: 10.513 ppbv
RT: 8.02 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 57 Resp: 4908554
Ion Ratio Lower Upper
57 100
41 31.0 24.4 36.6
56 31.5 25.7 38.5





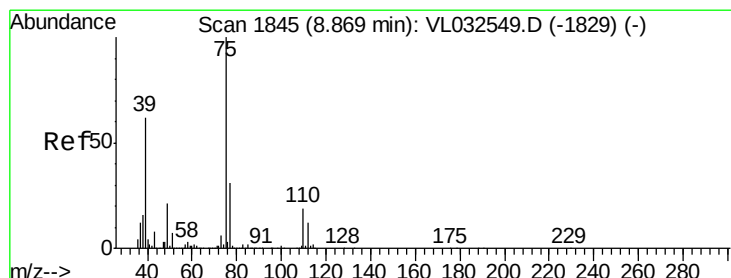
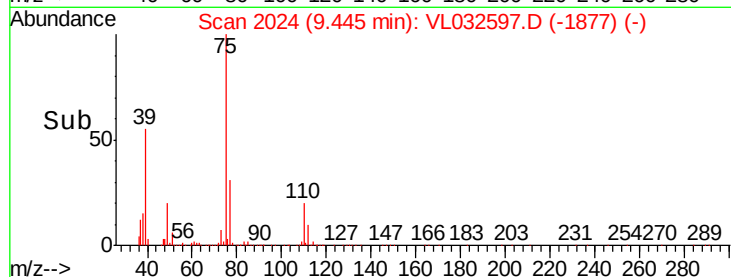
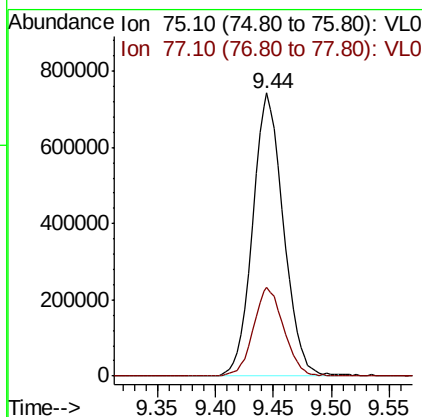
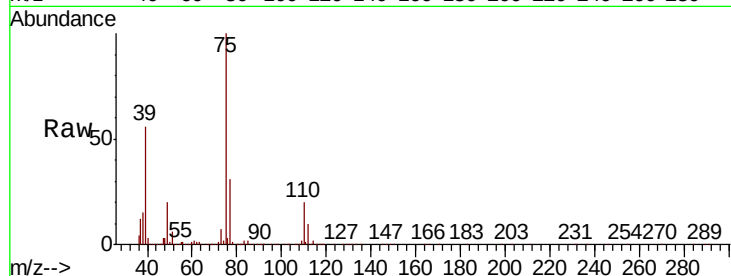
#45
t-1,3-Dichloropropene
Concen: 11.094 ppbv
RT: 9.44 min Scan# 2024
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1377266
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2

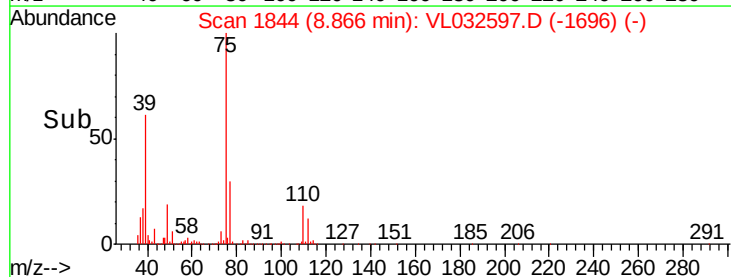
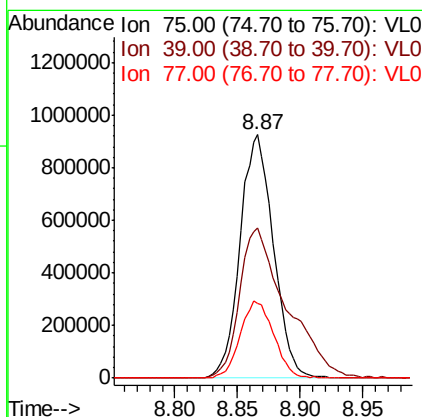
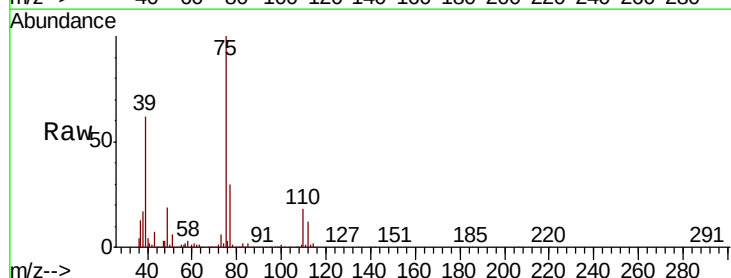
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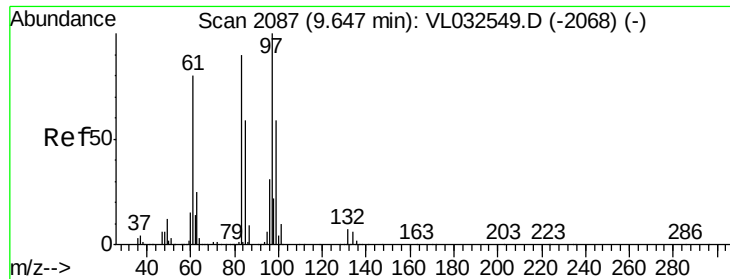
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.737 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 75 Resp: 1708968
Ion Ratio Lower Upper
75 100
39 61.5 48.9 73.3
77 30.4 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.225 ppbv

RT: 9.65 min Scan# 2087

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1102997

Ion Ratio Lower Upper

97 100

83 92.3 75.0 112.4

85 59.7 47.5 71.3

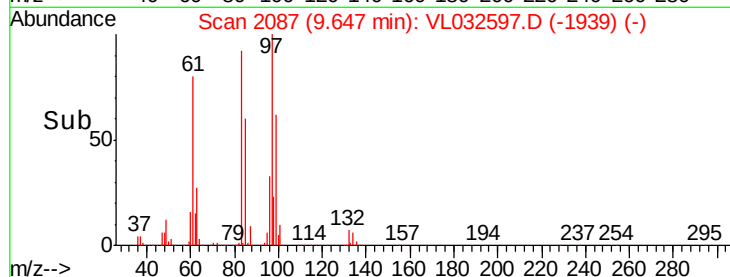
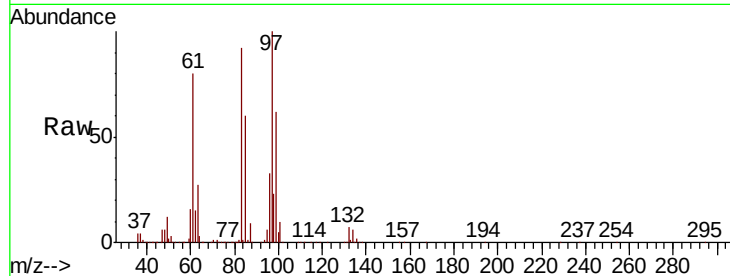
99 62.3 49.0 73.6

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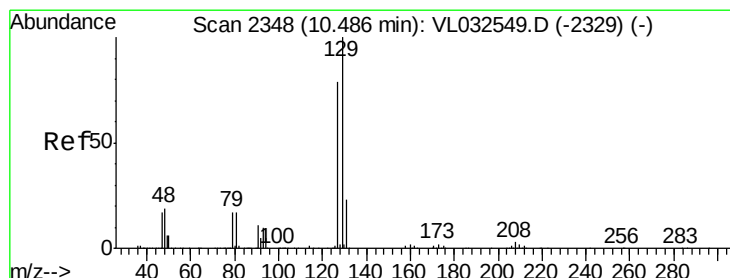
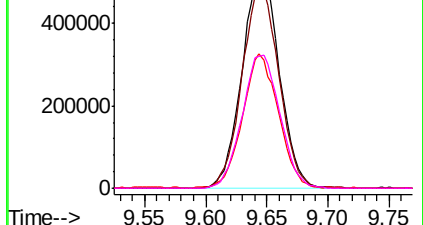


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.160 ppbv

RT: 10.48 min Scan# 2346

Delta R.T. -0.03 min

Lab File: VL032597.D

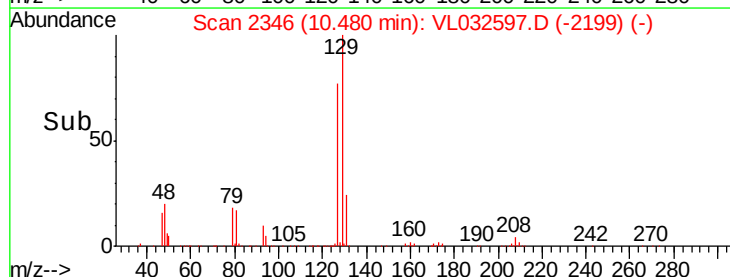
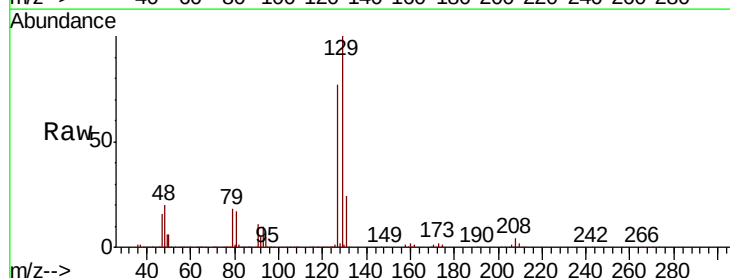
Acq: 4 Oct 2018 12:01

Tgt Ion: 129 Resp: 2098203

Ion Ratio Lower Upper

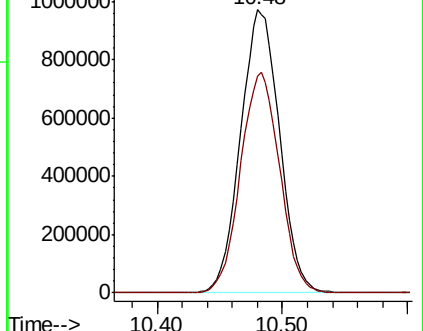
129 100

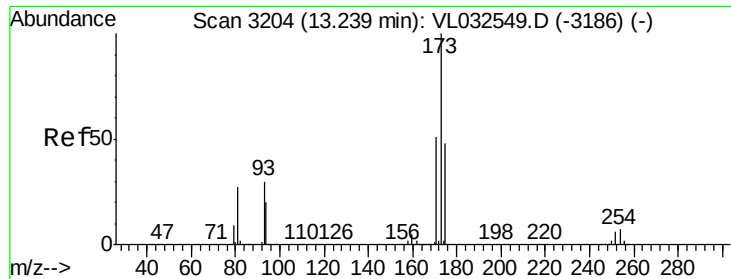
127 78.2 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





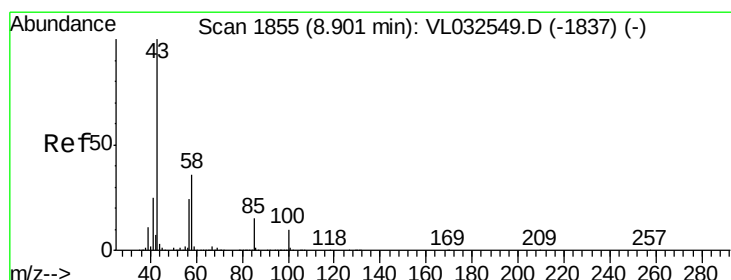
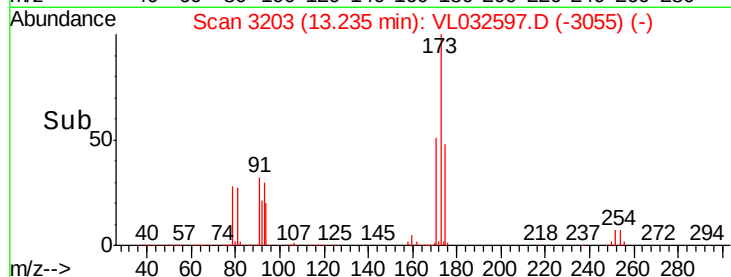
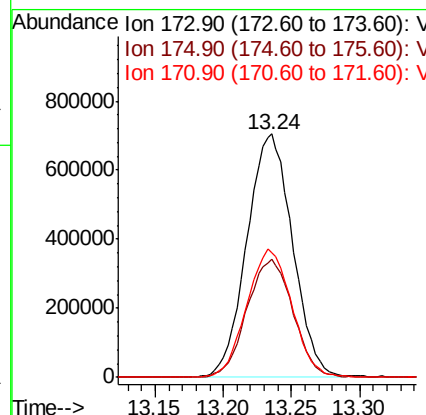
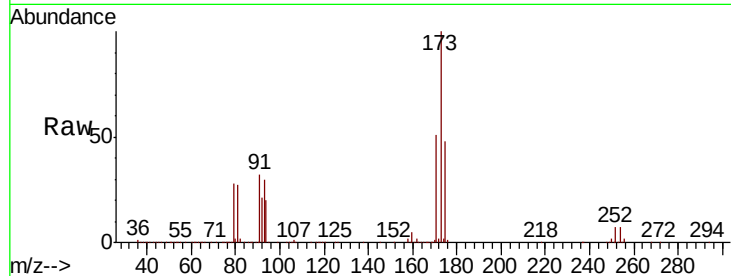
#49
Bromoform
Concen: 11.374 ppbv
RT: 13.24 min Scan# 3203
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1634070
Ion Ratio Lower Upper
173 100
175 49.2 38.9 58.3
171 52.2 41.6 62.4

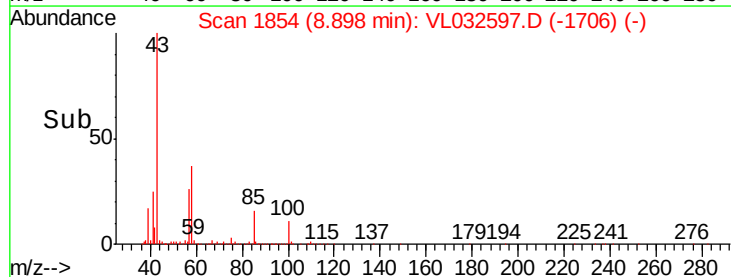
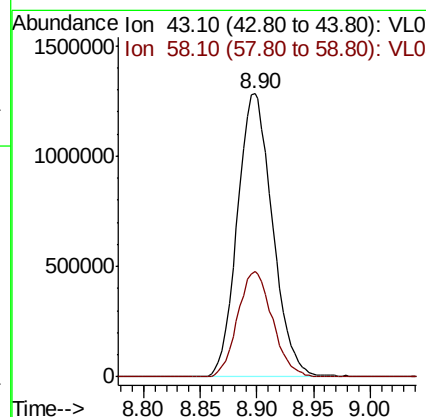
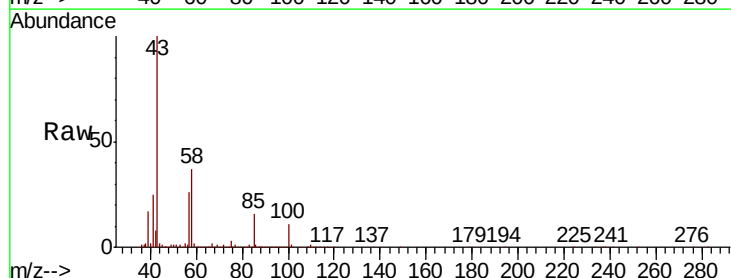
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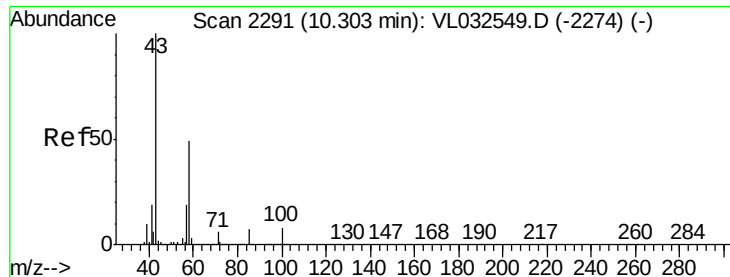
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#50
4-Methyl-2-Pentanone
Concen: 10.030 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 43 Resp: 2775430
Ion Ratio Lower Upper
43 100
58 36.9 29.0 43.4





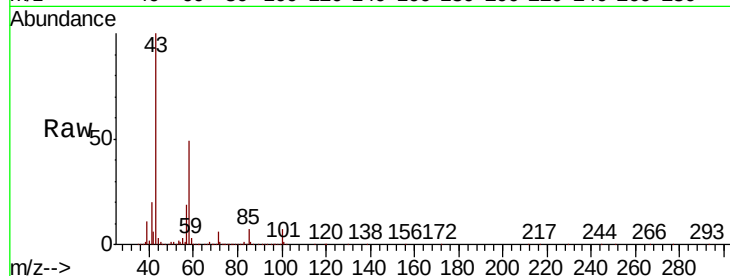
#51
2-Hexanone
Concen: 10.405 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.2	58.8
98	0.6	0.4	0.6#

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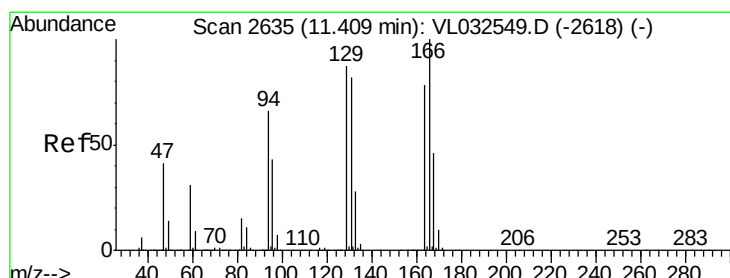
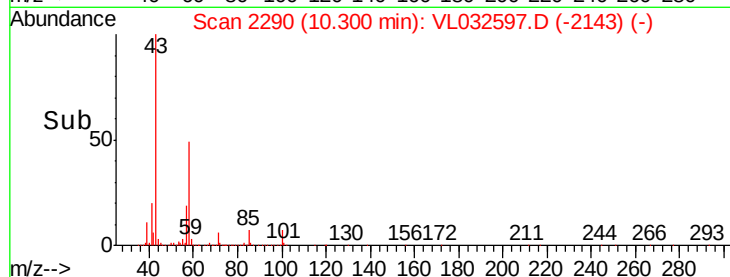
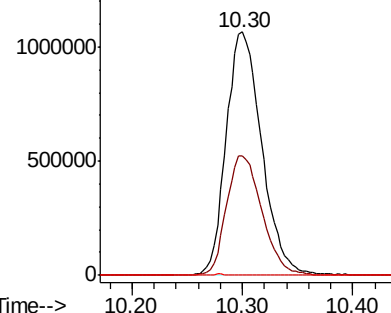


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 11.220 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.6	150.8
129	112.0	89.9	134.9
131	105.8	85.9	128.9

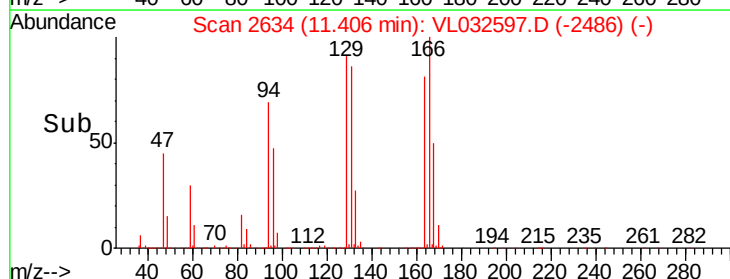
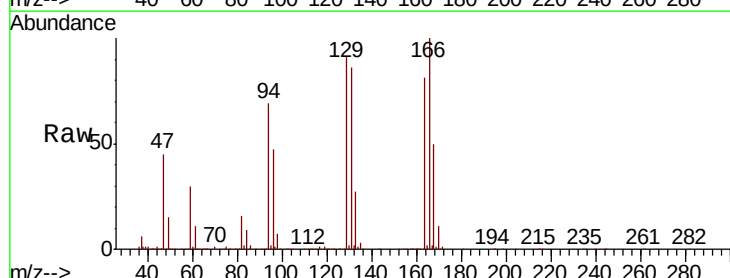
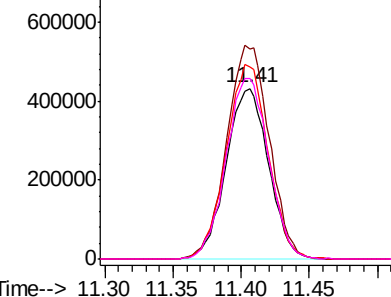
Abundance

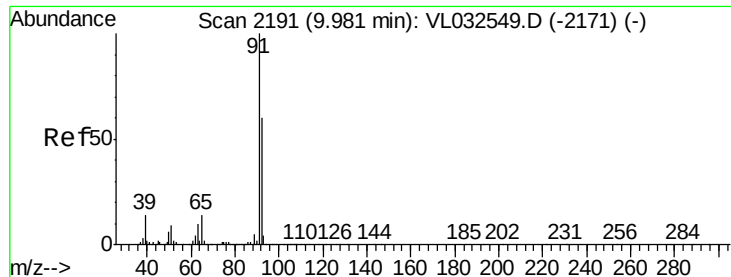
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.462 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3336826

Ion Ratio Lower Upper

91 100

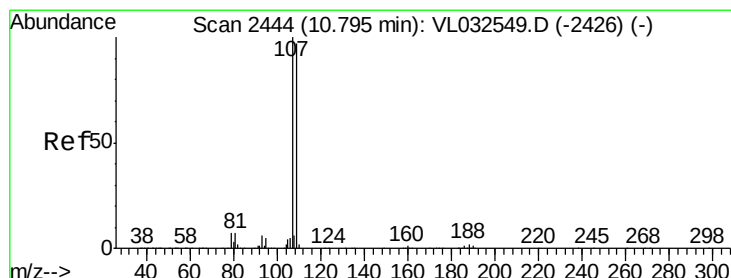
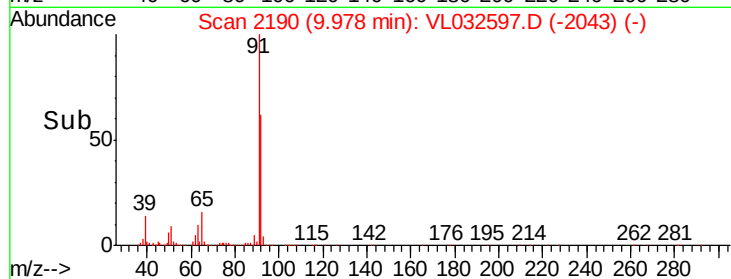
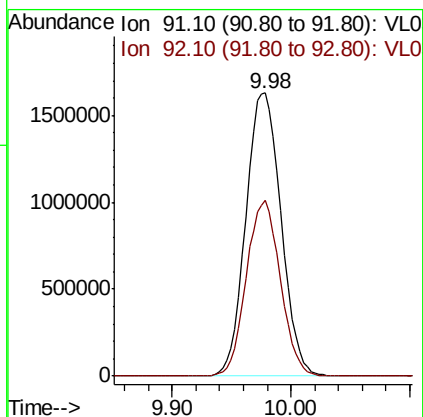
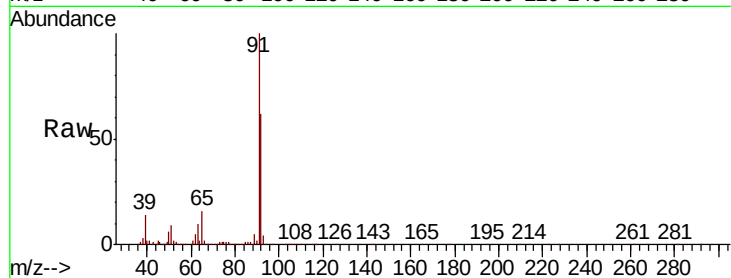
92 60.0 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.922 ppbv

RT: 10.79 min Scan# 2442

Delta R.T. -0.03 min

Lab File: VL032597.D

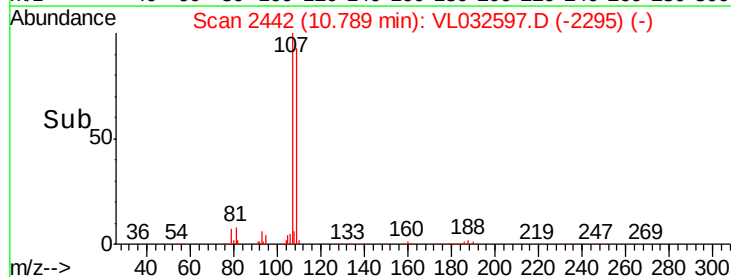
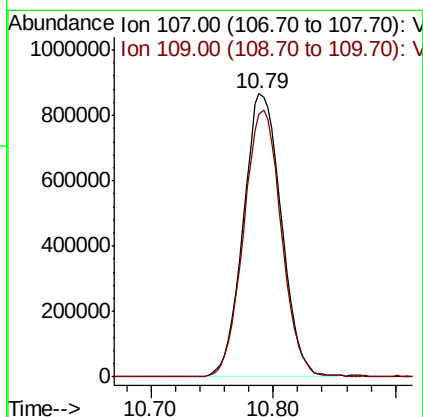
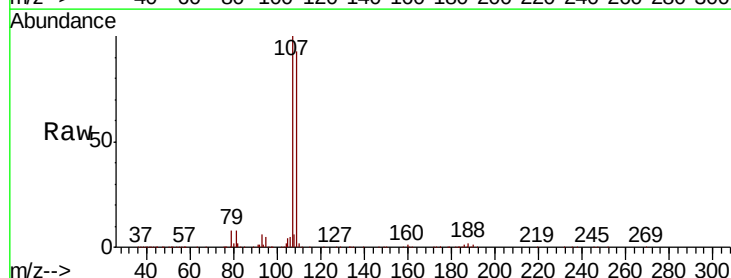
Acq: 4 Oct 2018 12:01

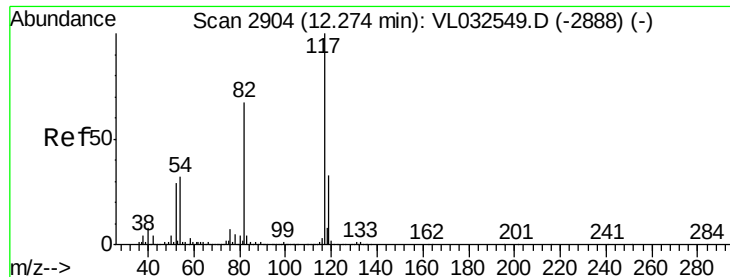
Tgt Ion: 107 Resp: 1857572

Ion Ratio Lower Upper

107 100

109 93.0 73.9 110.9





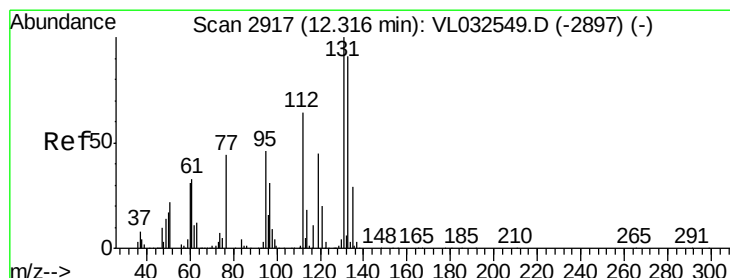
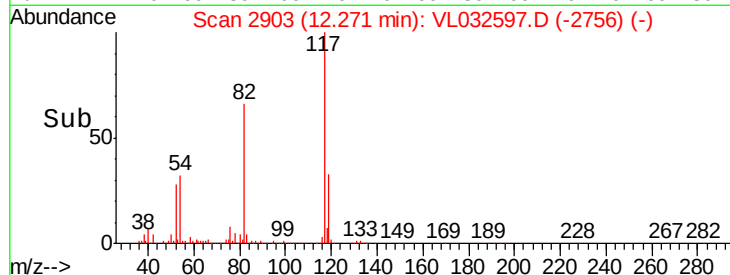
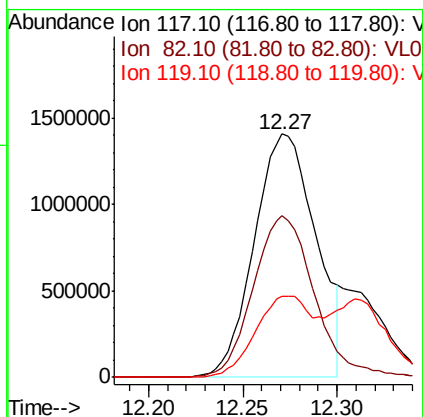
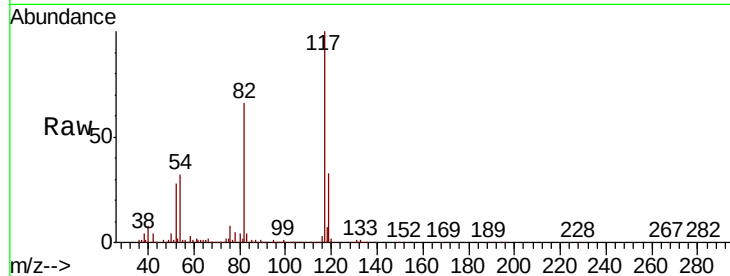
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3193693
Ion Ratio Lower Upper
117 100
82 66.1 53.0 79.6
119 33.0 45.9 68.9#

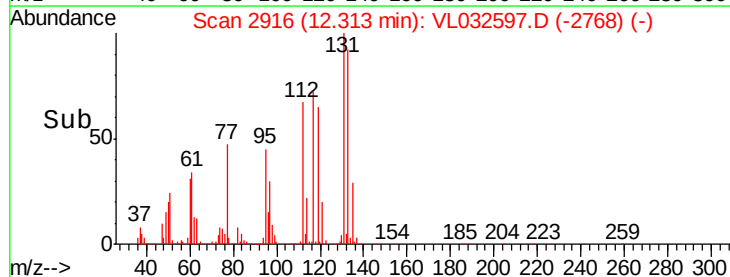
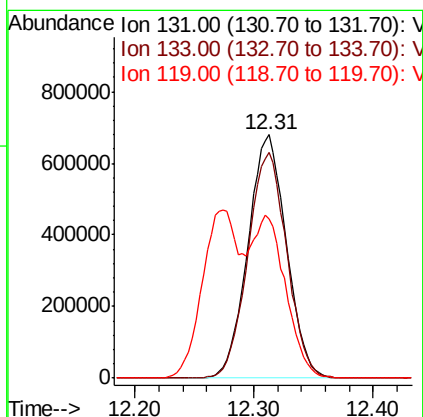
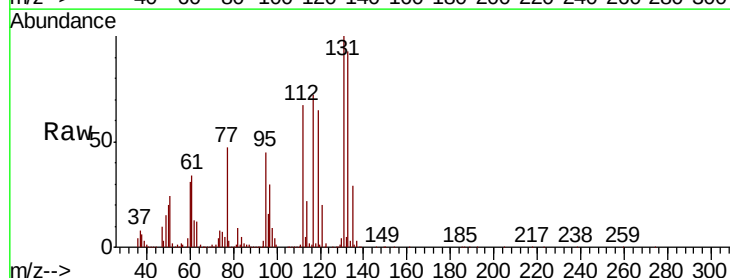
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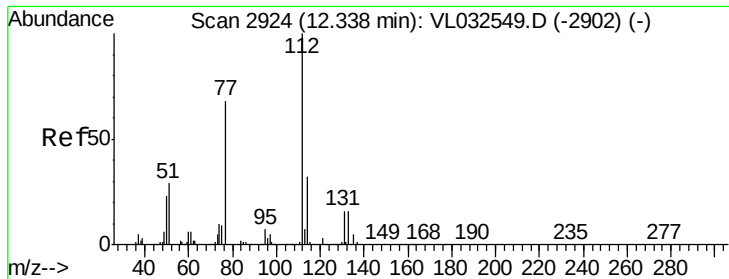
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.574 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion:131 Resp: 1518034
Ion Ratio Lower Upper
131 100
133 94.4 77.0 115.4
119 58.7 114.2 171.2#





#57

Chlorobenzene

Concen: 9.884 ppbv

RT: 12.34 min Scan# 2923

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2542825

Ion Ratio Lower Upper

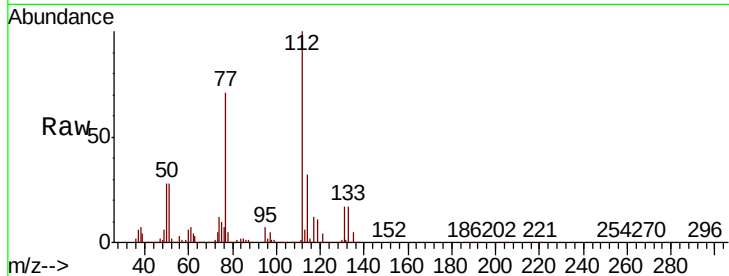
112 100

77 71.3 56.1 84.1

114 32.3 27.8 34.0

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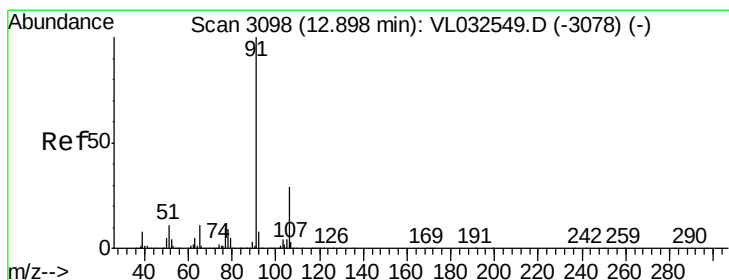
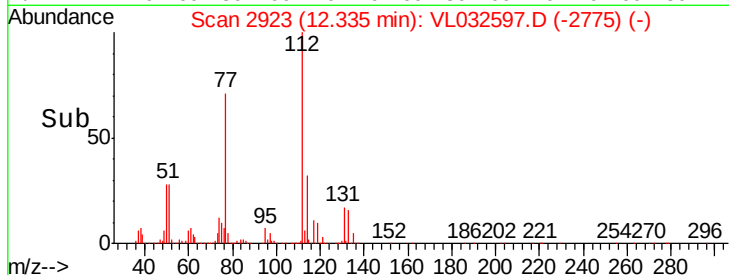
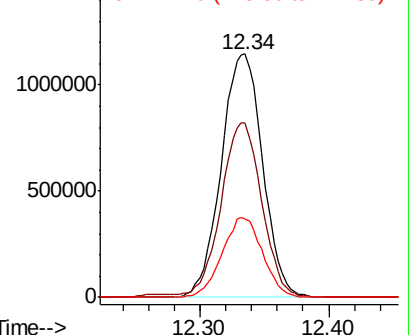
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.869 ppbv

RT: 12.90 min Scan# 3098

Delta R.T. -0.02 min

Lab File: VL032597.D

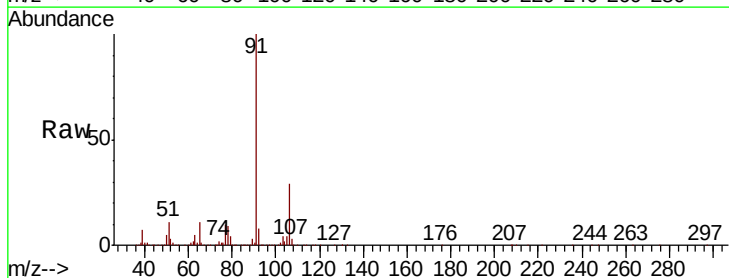
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 4210590

Ion Ratio Lower Upper

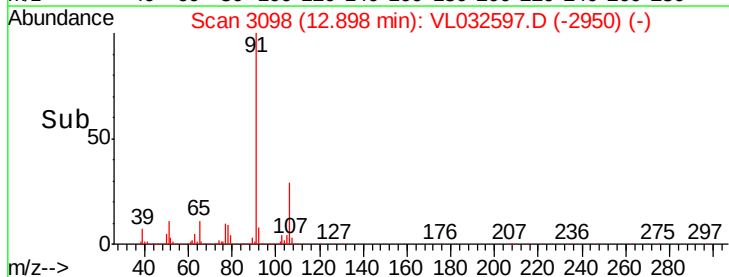
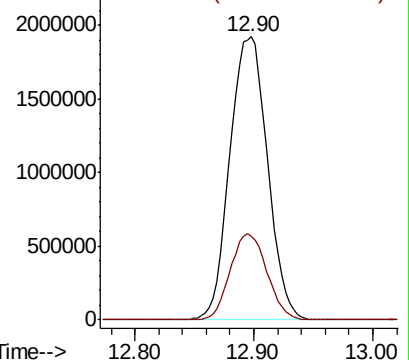
91 100

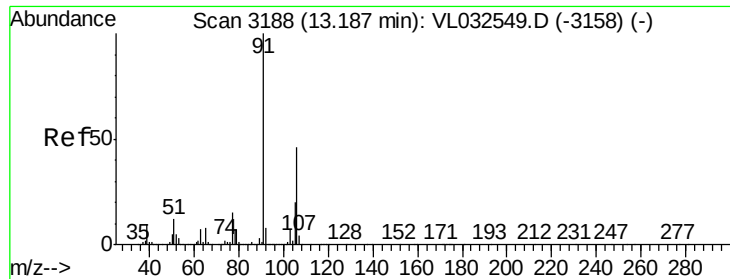
106 29.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





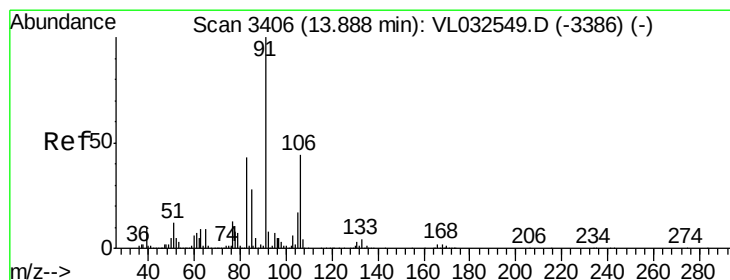
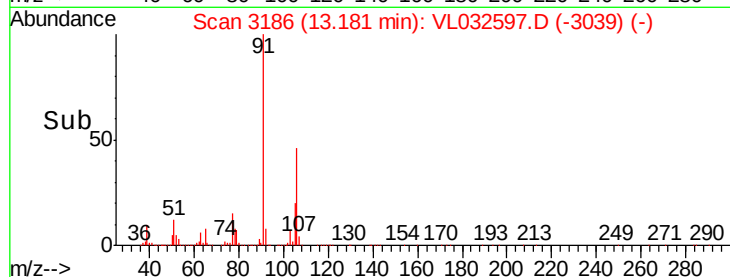
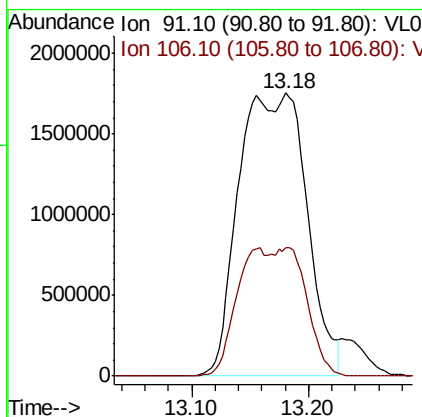
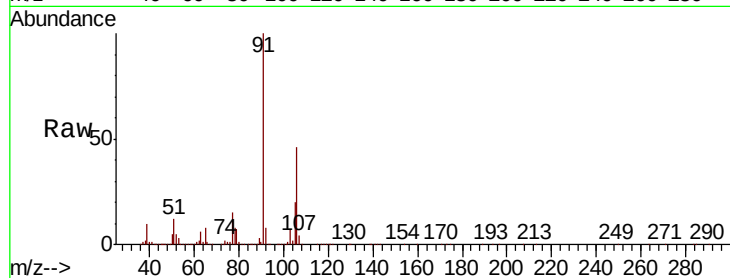
#59
m/p-Xylene
Concen: 20.524 ppbv m
RT: 13.18 min Scan# 3186
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7074375
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

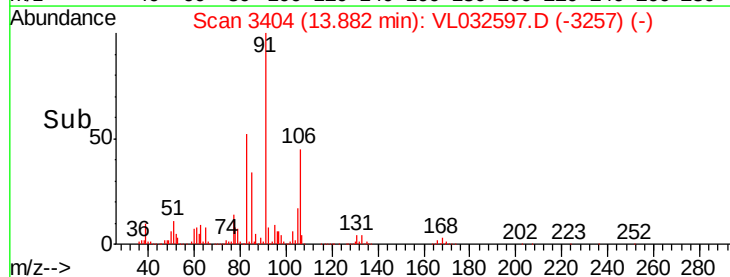
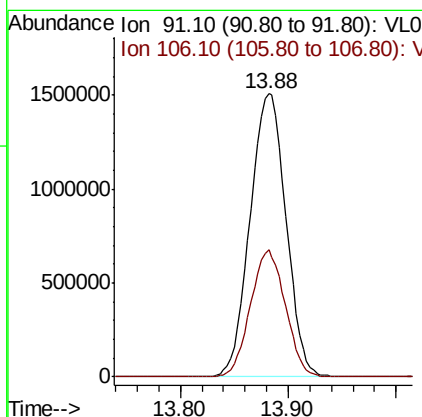
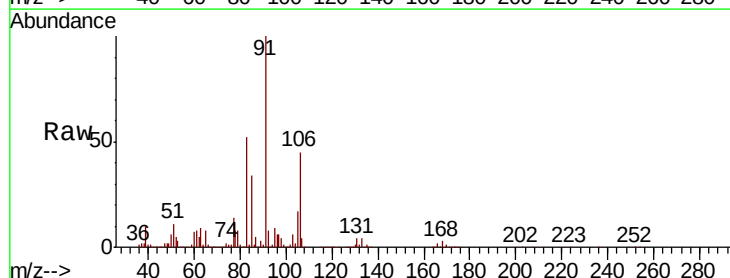
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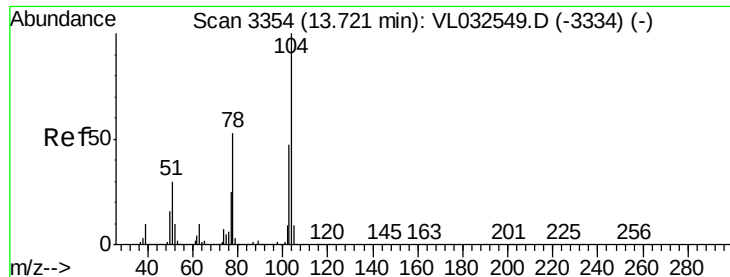
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#60
o-Xylene
Concen: 10.395 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 3488536
Ion Ratio Lower Upper
91 100
106 43.7 21.9 65.7





#61

Stvrene

Concen: 11.256 ppbv

RT: 13.71 min Scan# 3352

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2470893

Ion Ratio Lower Upper

104 100

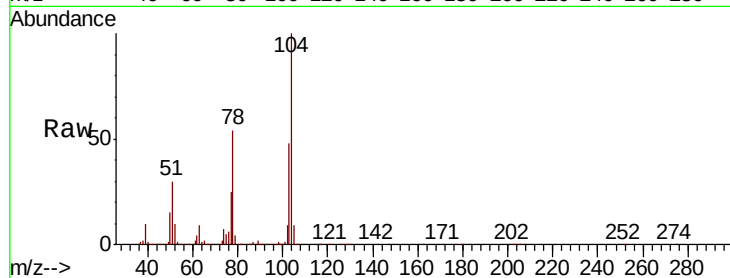
78 53.8 41.8 62.8

103 47.8 38.0 57.0

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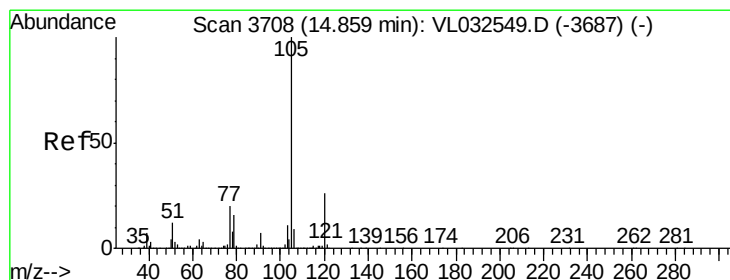
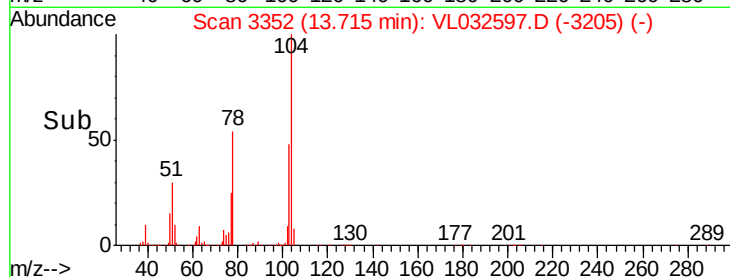
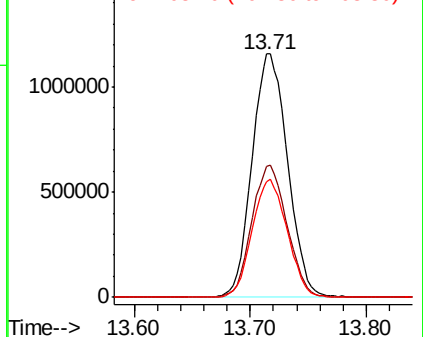


Abundance

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: 10.263 ppbv

RT: 14.86 min Scan# 3708

Delta R.T. -0.03 min

Lab File: VL032597.D

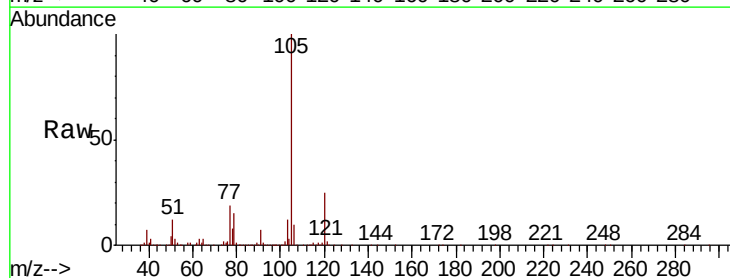
Acq: 4 Oct 2018 12:01

Tgt Ion:105 Resp: 4870597

Ion Ratio Lower Upper

105 100

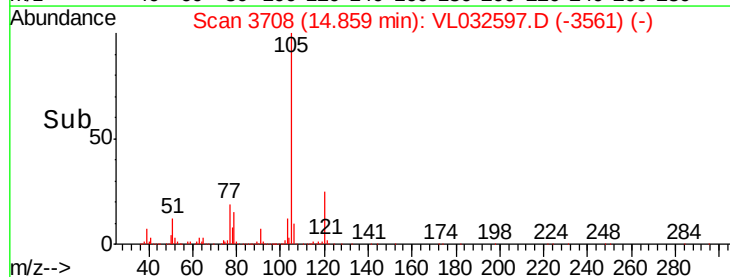
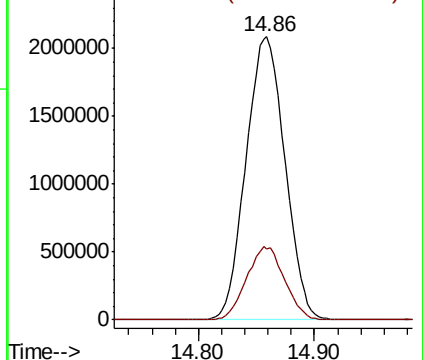
120 25.3 20.6 31.0

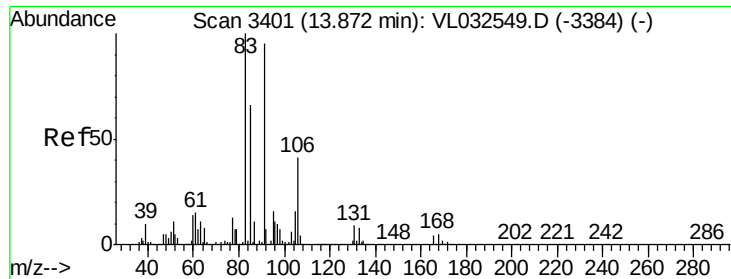


Abundance

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: 8.847 ppbv

RT: 13.87 min Scan# 3400

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2637543

Ion Ratio Lower Upper

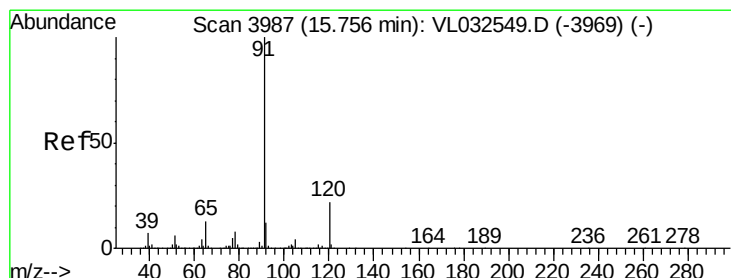
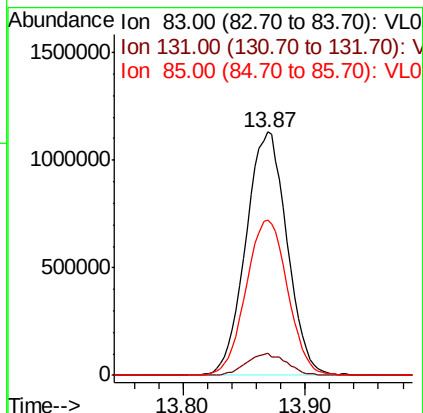
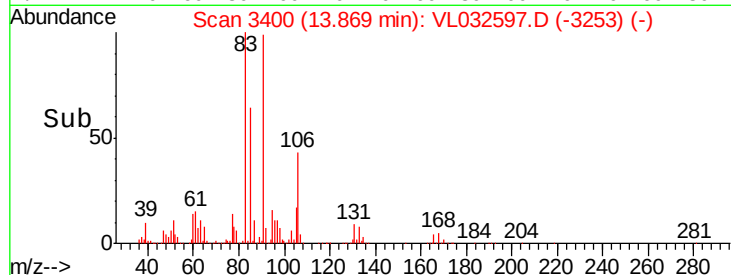
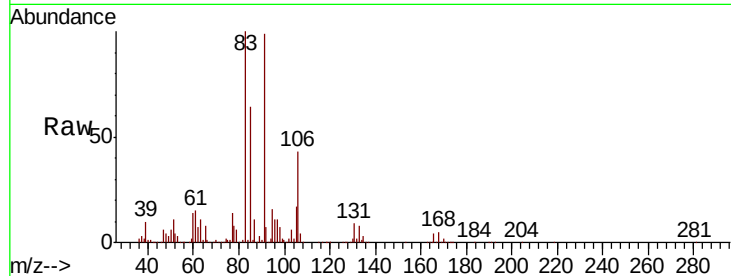
83 100

131 8.8 4.3 12.8

85 64.9 32.3 96.8

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#64

n-propylbenzene

Concen: 10.275 ppbv

RT: 15.75 min Scan# 3986

Delta R.T. -0.03 min

Lab File: VL032597.D

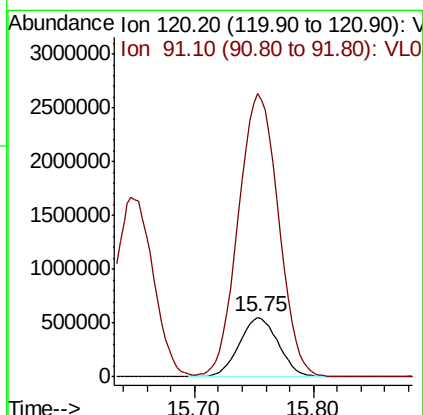
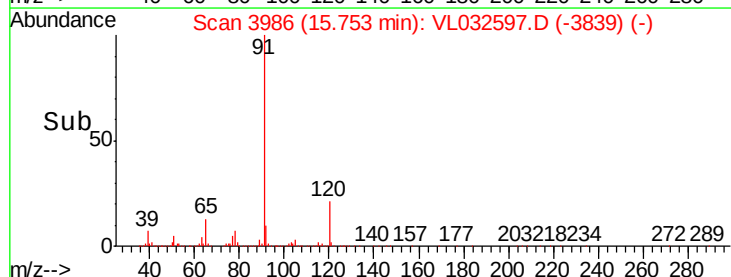
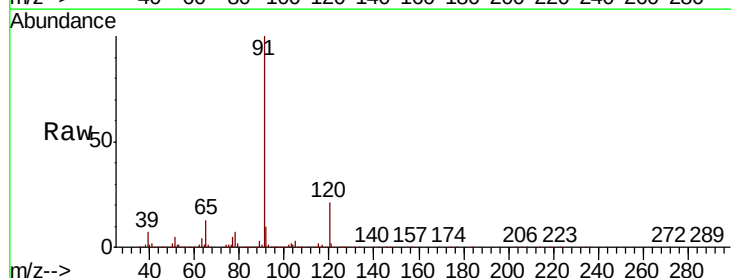
Acq: 4 Oct 2018 12:01

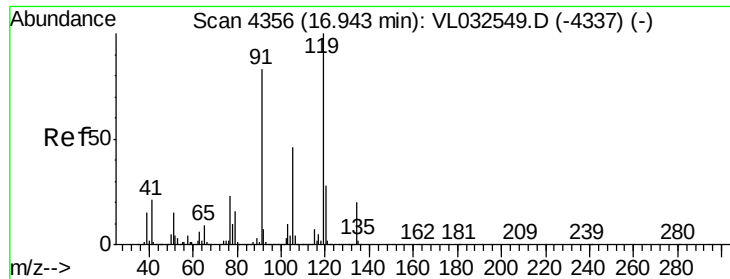
Tgt Ion: 120 Resp: 1252819

Ion Ratio Lower Upper

120 100

91 492.9 381.8 572.6





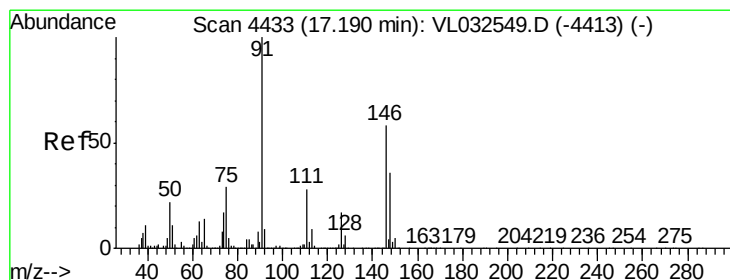
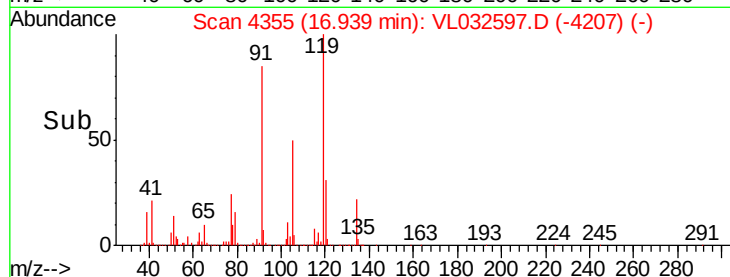
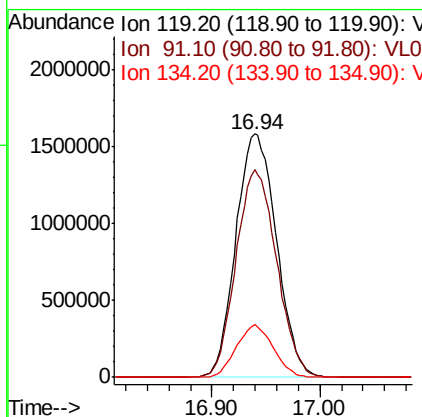
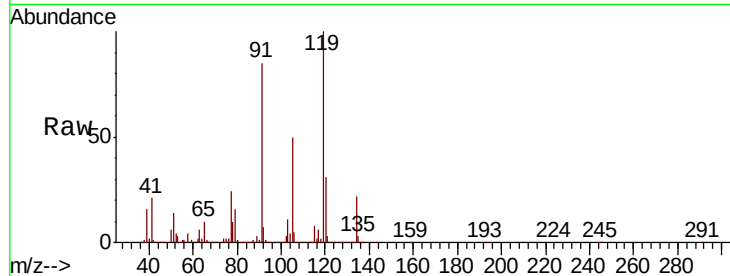
#65
tert-Butylbenzene
Concen: 10.178 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 4140240
Ion Ratio Lower Upper
119 100
91 85.5 66.5 99.7
134 19.7 16.0 24.0

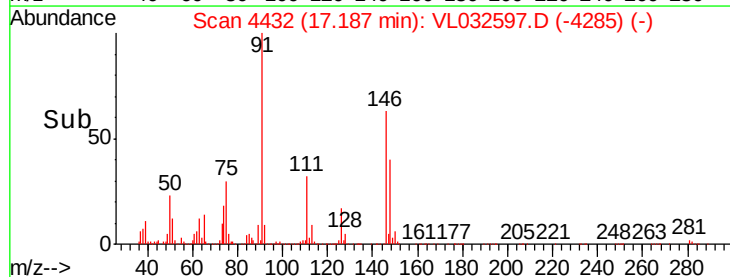
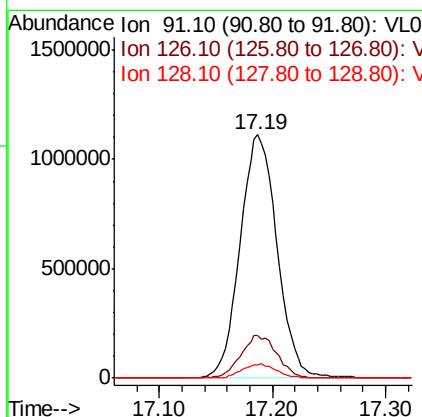
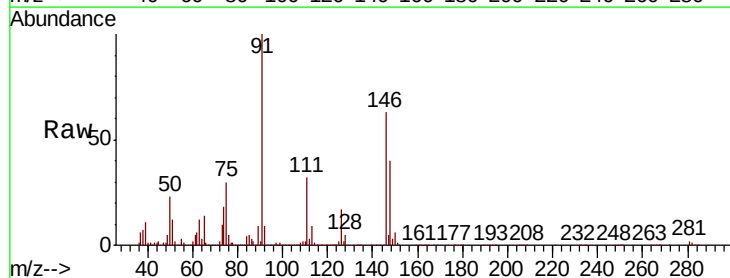
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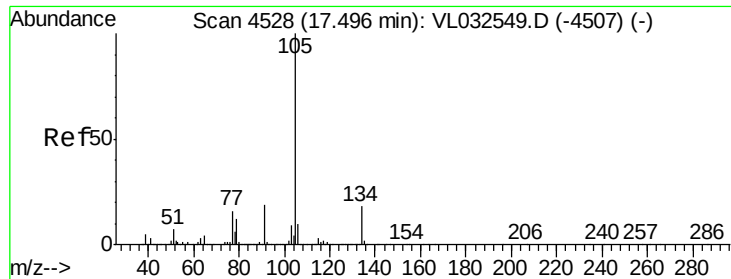
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#66
Benzyl Chloride
Concen: 10.752 ppbv
RT: 17.19 min Scan# 4432
Delta R.T. -0.03 min
Lab File: VL032597.D
Acq: 4 Oct 2018 12:01

Tgt Ion: 91 Resp: 2520657
Ion Ratio Lower Upper
91 100
126 17.4 13.8 20.8
128 5.5 4.4 6.6





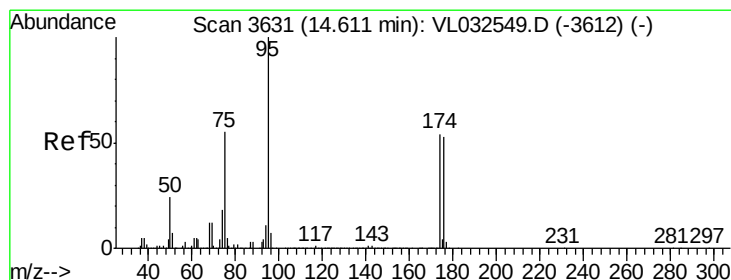
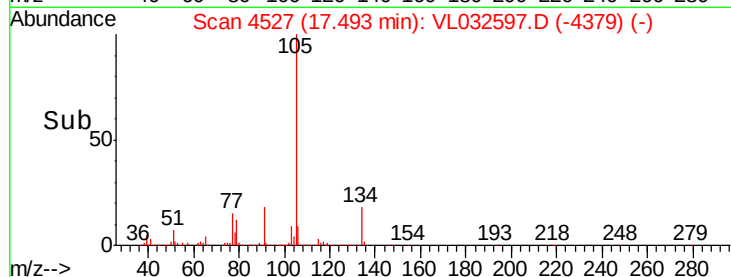
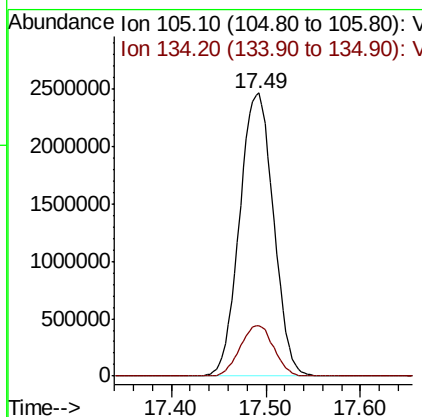
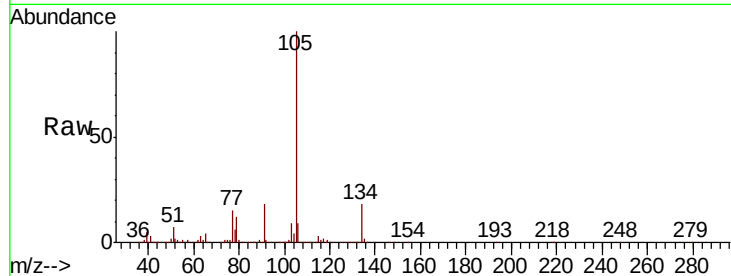
#67
 sec-Butylbenzene
 Concen: 10.137 ppbv
 RT: 17.49 min Scan# 4527
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6130373
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.4 21.6

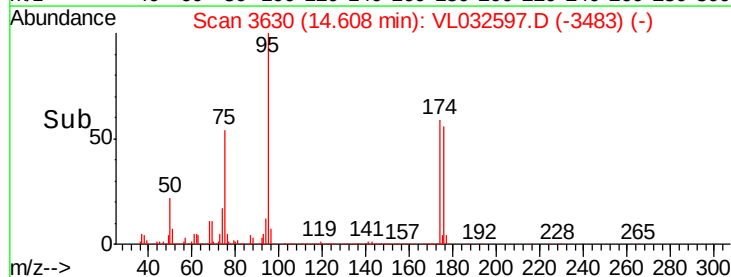
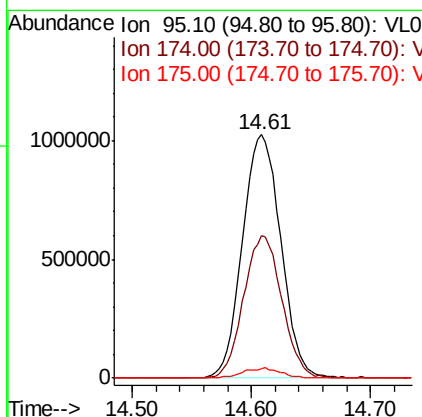
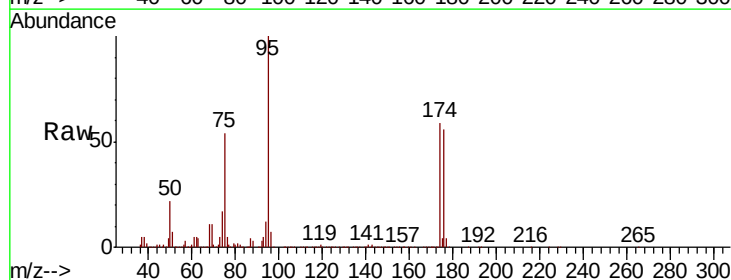
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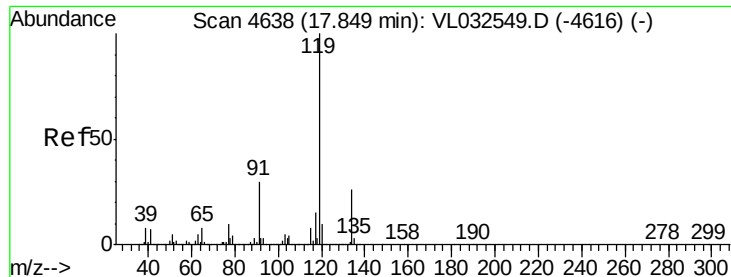
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.497 ppbv
 RT: 14.61 min Scan# 3630
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion: 95 Resp: 2287366
 Ion Ratio Lower Upper
 95 100
 174 58.7 46.3 69.5
 175 4.1 3.4 5.0





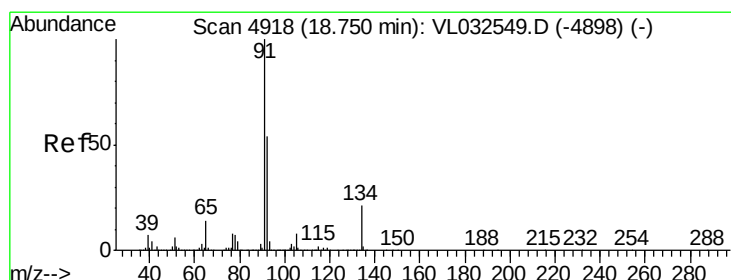
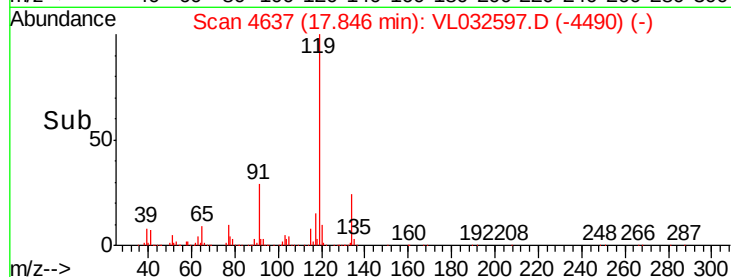
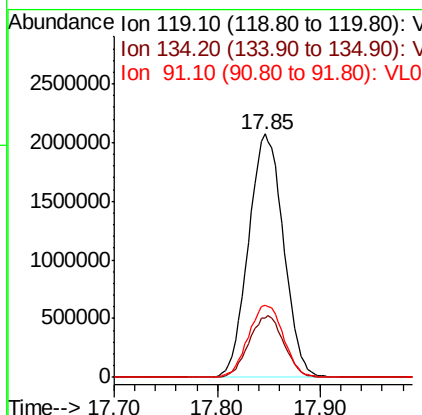
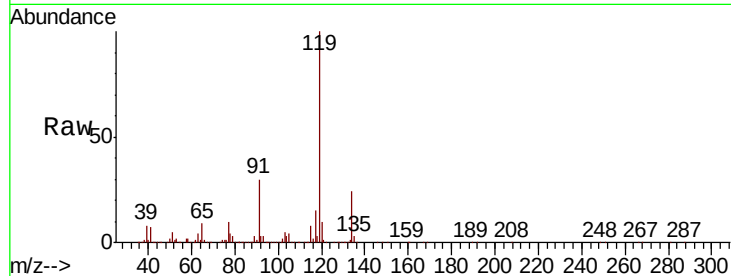
#69
 p-Isopropyltoluene
 Concen: 10.426 ppbv
 RT: 17.85 min Scan# 4637
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.9	23.4	35.2

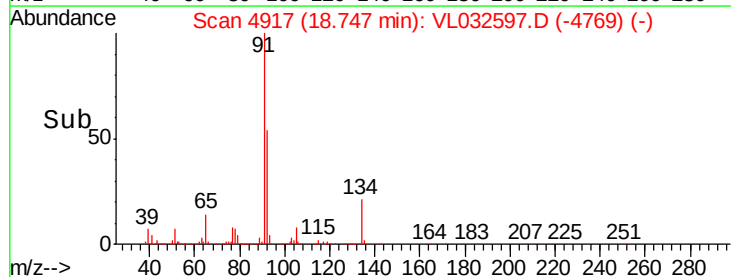
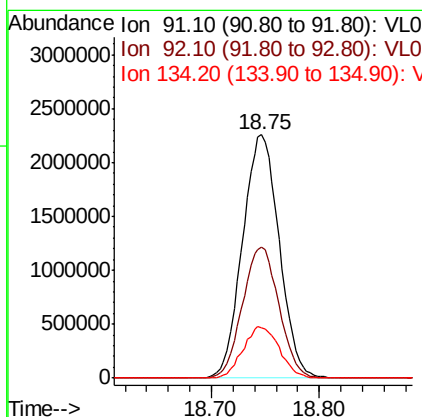
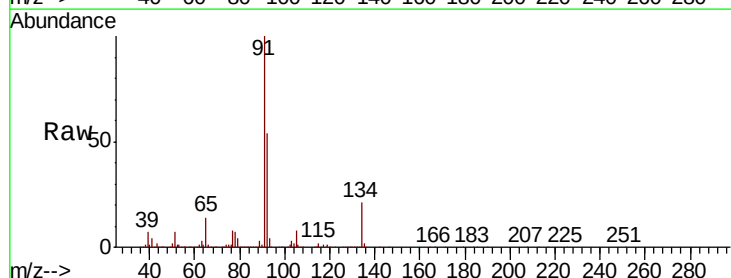
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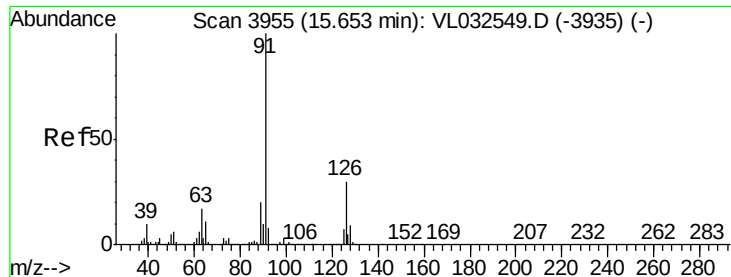
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#70
 n-Butylbenzene
 Concen: 10.438 ppbv
 RT: 18.75 min Scan# 4917
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.8	65.8
134	21.1	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.596 ppbv

RT: 15.65 min Scan# 3953

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3829906

Ion Ratio Lower Upper

91 100

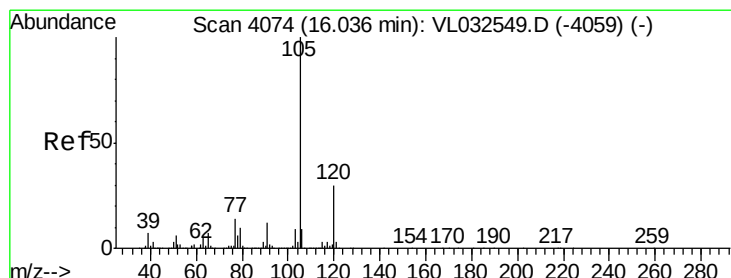
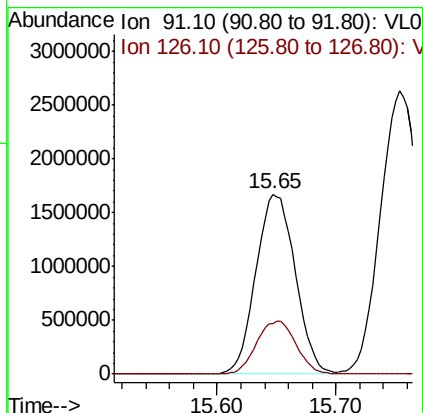
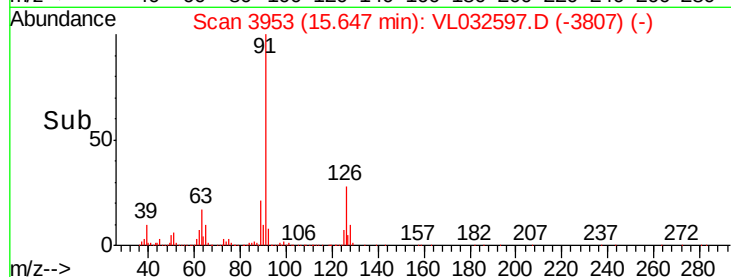
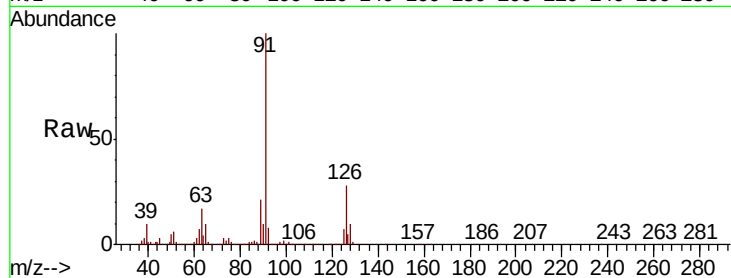
126 29.7 11.9 47.7

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#72

4-Ethyltoluene

Concen: 10.914 ppbv

RT: 16.03 min Scan# 4072

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Tgt Ion: 105 Resp: 3975432

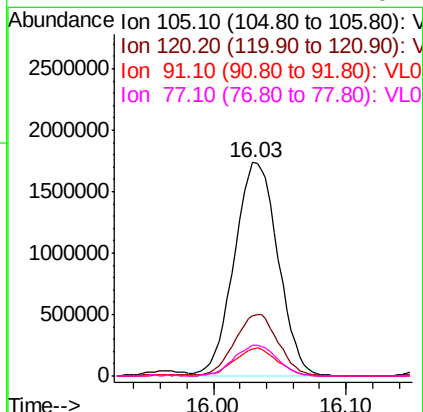
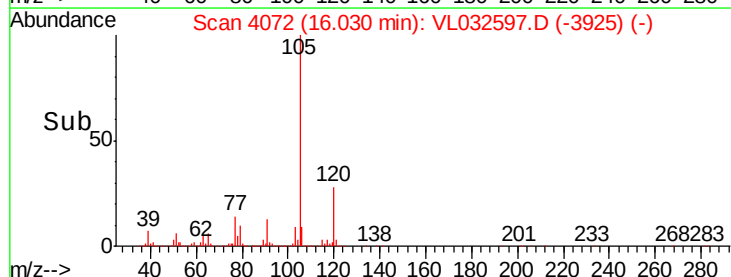
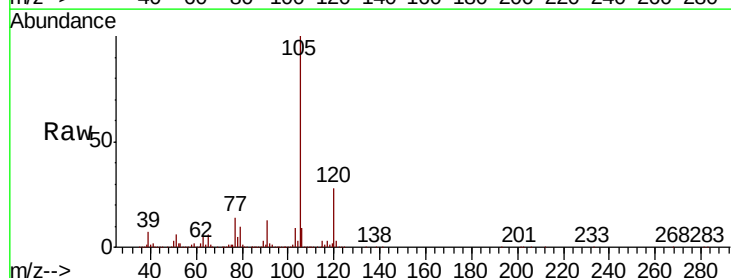
Ion Ratio Lower Upper

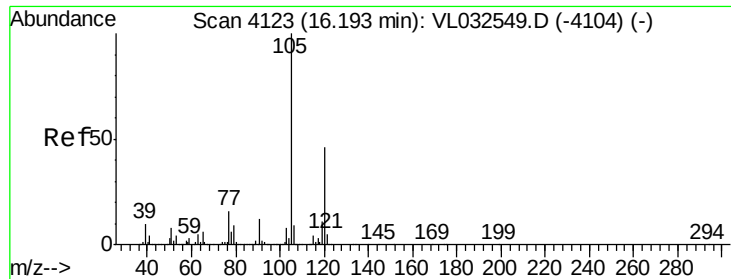
105 100

120 28.7 23.5 35.3

91 13.0 10.2 15.2

77 14.4 11.1 16.7





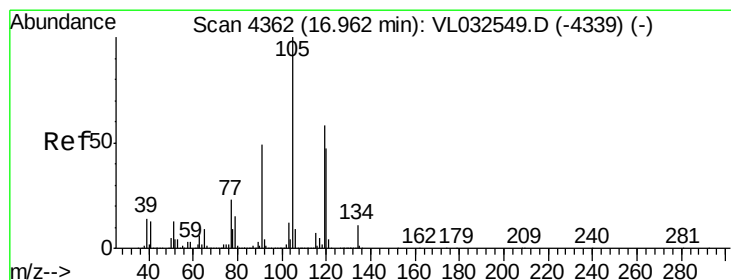
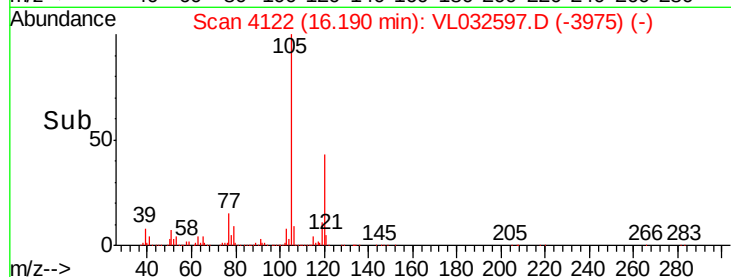
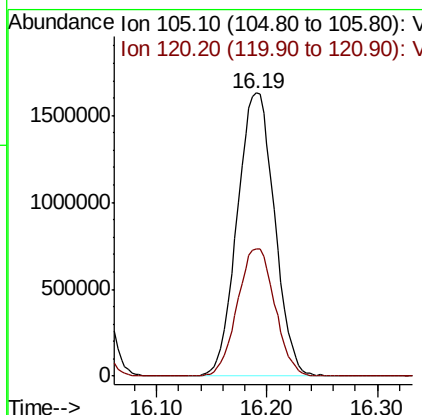
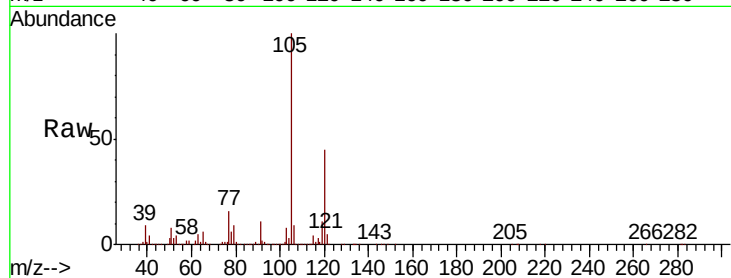
#73
 1,3,5-Trimethylbenzene
 Concen: 10.744 ppbv
 RT: 16.19 min Scan# 4122
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 3803135
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.9 56.9

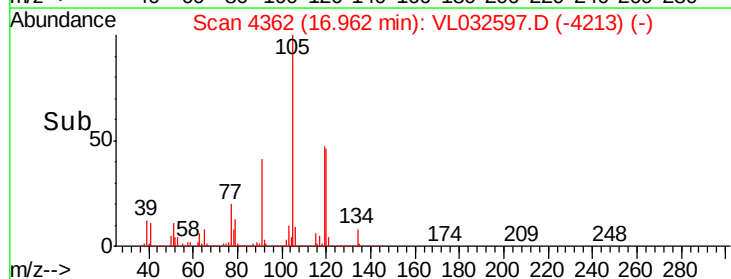
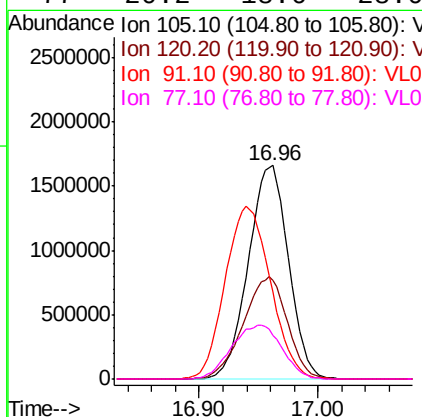
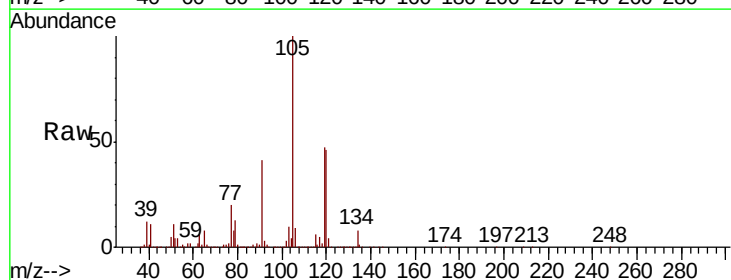
Manual Integrations
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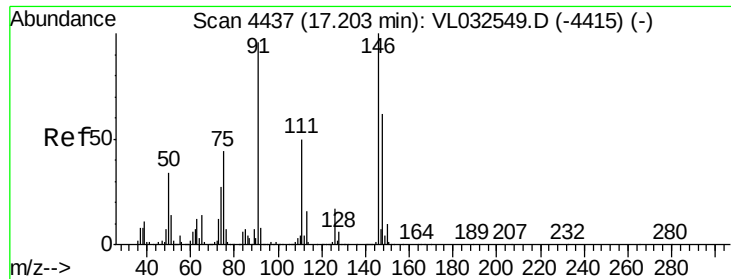
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.161 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion:105 Resp: 3872847
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.8 56.8
 91 40.6 41.4 62.0#
 77 20.2 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 9.164 ppbv

RT: 17.20 min Scan# 4436

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

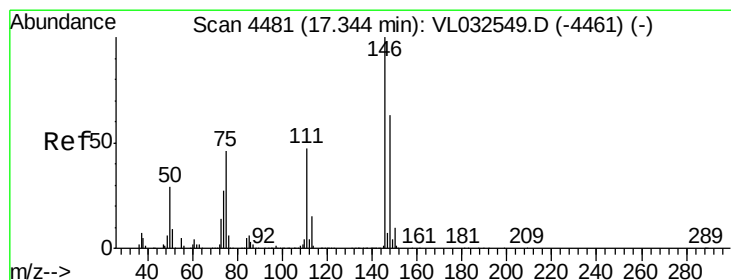
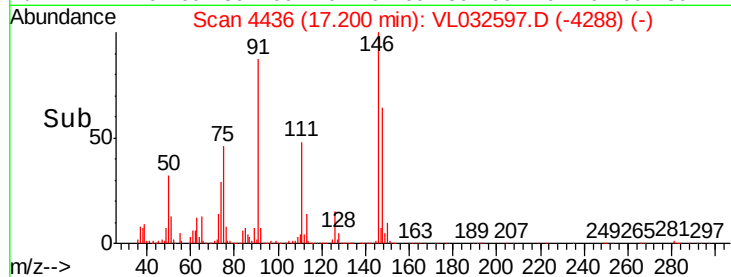
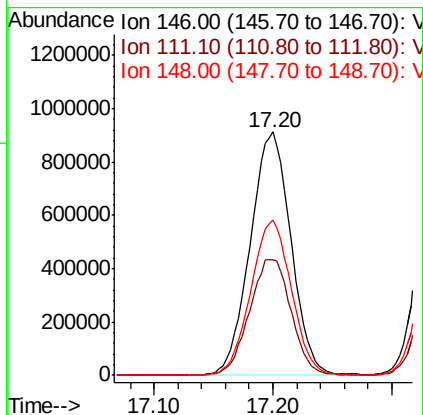
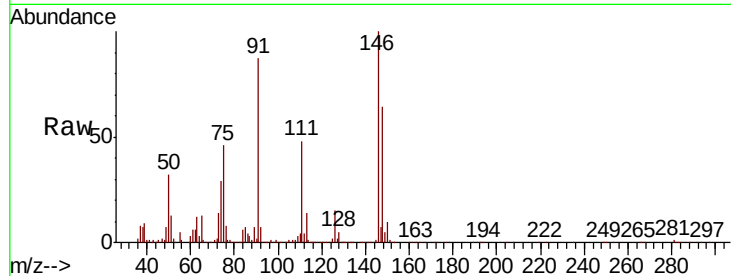
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.5	73.5
148	64.0	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 9.959 ppbv

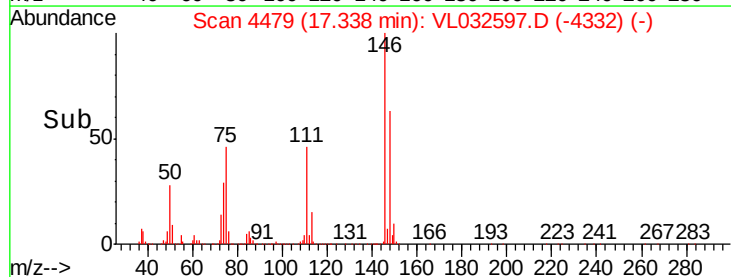
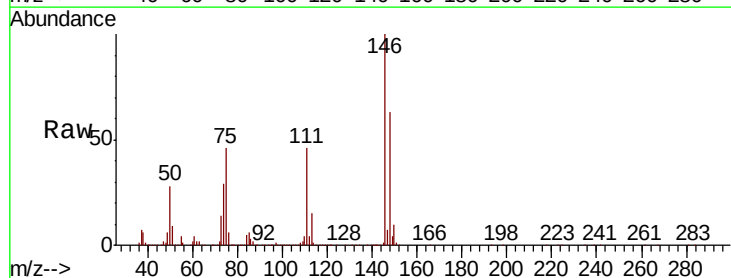
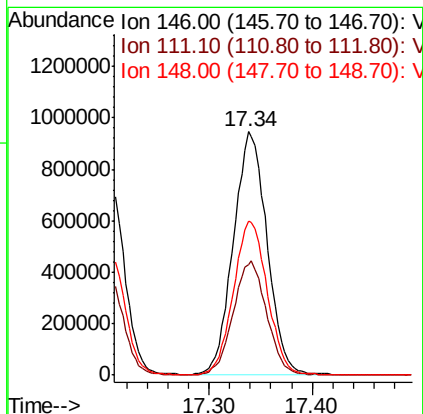
RT: 17.34 min Scan# 4479

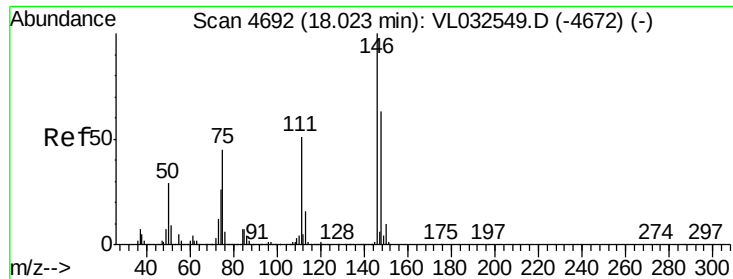
Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.4	70.2
148	64.0	32.0	96.2





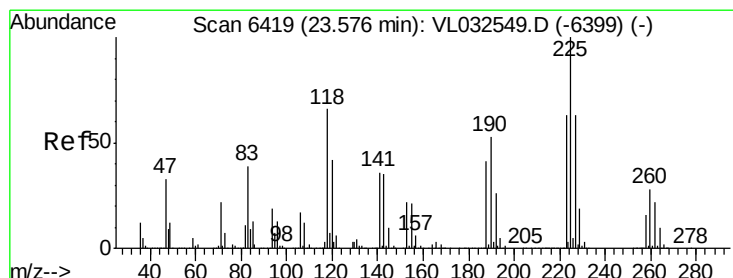
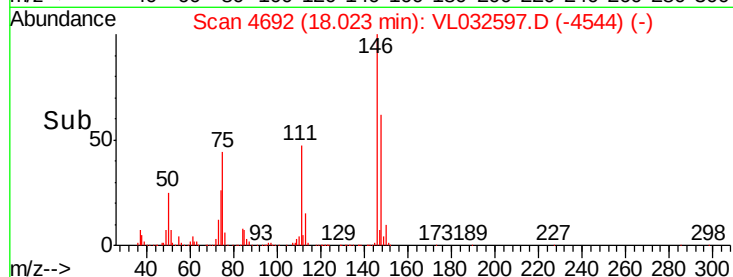
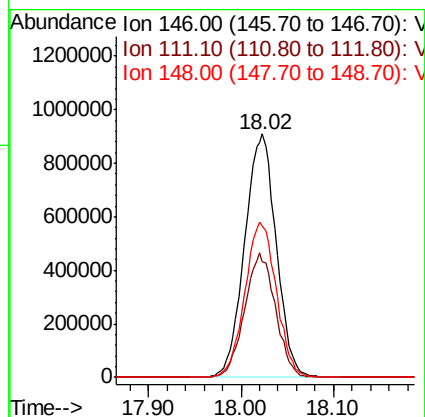
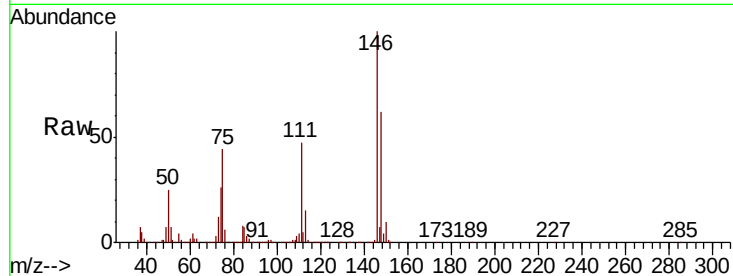
#77
 1,2-Dichlorobenzene
 Concen: 9.688 ppbv
 RT: 18.02 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.8
148	64.0	32.0	96.0

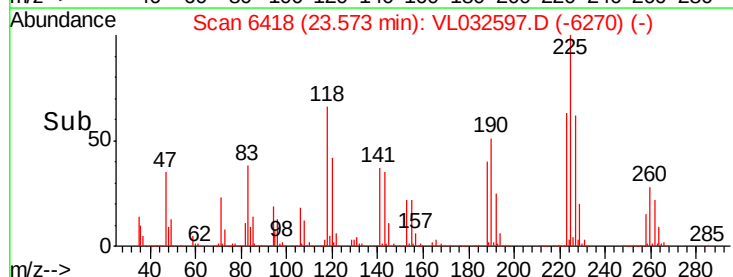
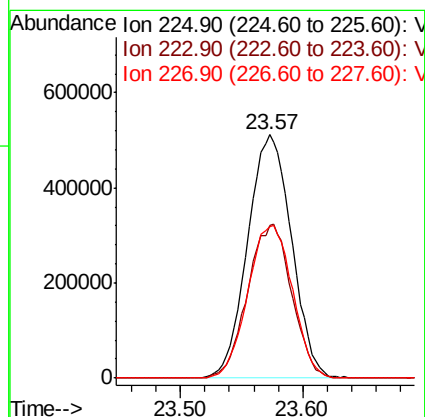
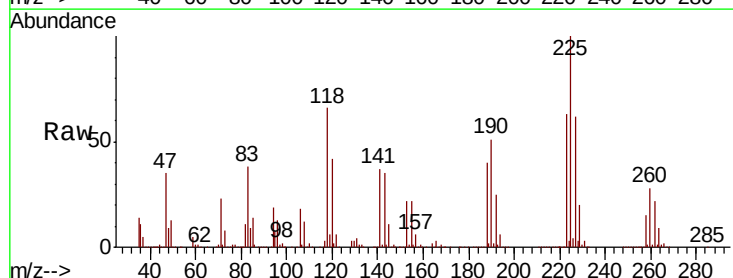
Manual Integrations
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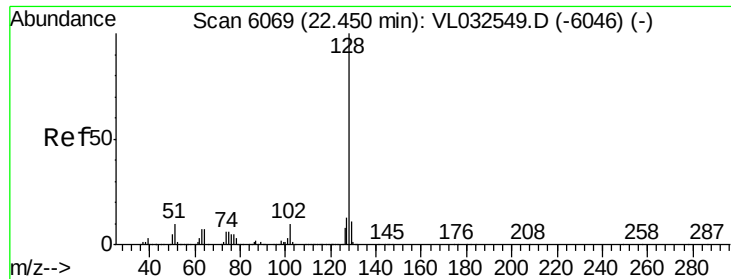
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 15.344 ppbv
 RT: 23.57 min Scan# 6418
 Delta R.T. -0.02 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.0	51.2	76.8





#79

Naphthalene

Concen: 11.639 ppbv

RT: 22.45 min Scan# 6068

Delta R.T. -0.03 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

Instrument :

MSVOA_L

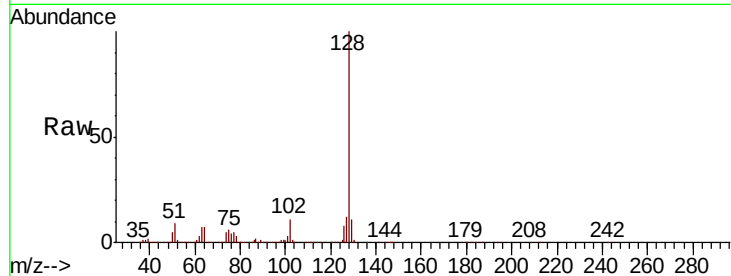
ClientSampleId :

VSTDCCC010EC

Tot Ion:	128	Resp:	3199375
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.6	8.5	12.7

Manual Integrations
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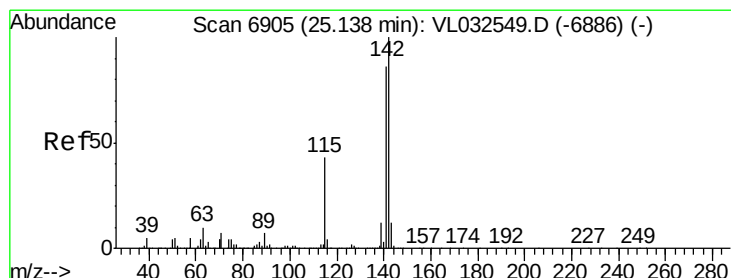
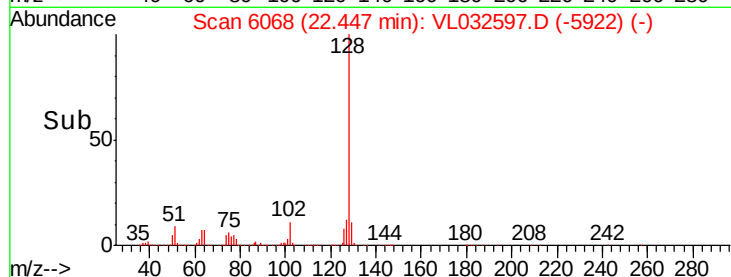
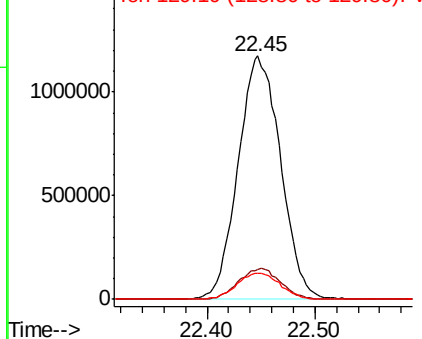


Abundance

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: 15.662 ppbv

RT: 25.14 min Scan# 6904

Delta R.T. -0.02 min

Lab File: VL032597.D

Acq: 4 Oct 2018 12:01

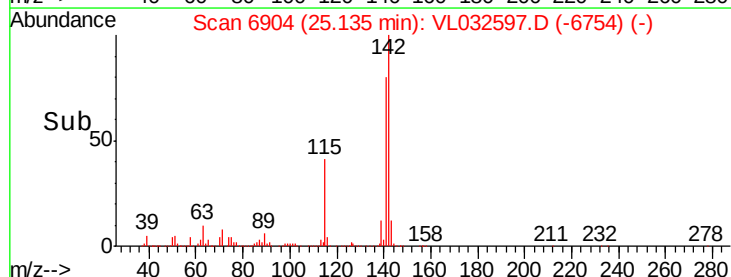
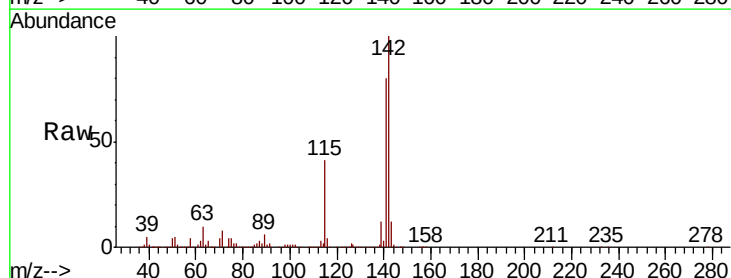
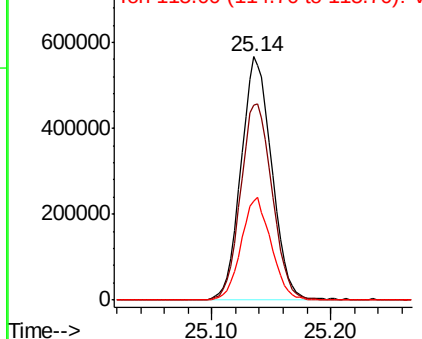
Tgt Ion:	142	Resp:	1010758
Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.0	100.6
115	41.2	31.3	46.9

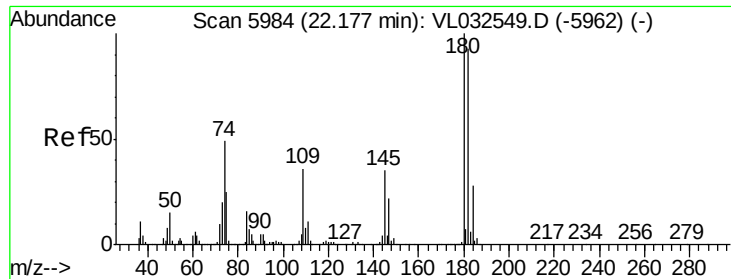
Abundance

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: 10.896 ppbv
 RT: 22.17 min Scan# 5982
 Delta R.T. -0.03 min
 Lab File: VL032597.D
 Acq: 4 Oct 2018 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	30.4	23.8	35.8

Manual Integrations
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