

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092718\
 Data File : VL032549.D
 Acq On : 27 Sep 2018 13:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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MMDadoda
 10/1/2018 11:57:35 AM

Quant Time: Sep 28 02:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28 02:22:20 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1491282	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3388237	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3777593m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2632227	9.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1062044	7.700	ppbv	99
3) Chlorodifluoromethane	3.03	51	1138551	9.181	ppbv	99
4) Chloromethane	3.19	50	651222	9.006	ppbv	100
5) Vinyl Chloride	3.31	62	626120	8.569	ppbv	99
6) Bromomethane	3.53	94	363551	9.098	ppbv	99
7) Chloroethane	3.62	64	230165	8.841	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1389557	9.220	ppbv	100
9) Propene	3.05	41	510121	9.481	ppbv	99
10) Heptane	8.28	43	2046374	10.369	ppbv	99
11) Trichlorofluoromethane	4.02	101	1458459	8.895	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1288361	9.612	ppbv	99
13) Ethanol	3.67	45	128215	7.927	ppbv	92
14) Bromoethene	3.80	108	442874	9.312	ppbv	99
15) Acetone	3.92	43	1086412	8.299	ppbv	99
16) 1,3-Butadiene	3.38	39	521101	9.816	ppbv	96
17) tert-Butyl alcohol	4.38	59	141552	8.605	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	606740	9.666	ppbv	99
19) Isopropyl Alcohol	4.04	45	845833	9.277	ppbv #	98
20) Methylene Chloride	4.43	84	539109	8.505	ppbv	97
21) Allyl Chloride	4.50	41	1075008	10.048	ppbv	100
22) trans-1,2-Dichloroethene	4.99	96	598032	10.109	ppbv	96
23) Vinyl Acetate	5.18	43	2375892	10.271	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1811222	9.403	ppbv	99
25) Ethyl Acetate	5.79	43	3052782	9.611	ppbv	99
26) Hexane	5.80	57	1392482	9.706	ppbv	98
27) Carbon Disulfide	4.64	76	1615912	10.477	ppbv	100
28) Methyl tert-Butyl Ether	5.14	73	1868669	10.456	ppbv	99
29) Chloroform	5.88	83	2157457	9.800	ppbv	100
30) Cyclohexane	7.28	84	1213362	10.386	ppbv	98
31) cis-1,2-Dichloroethene	5.67	61	1447198	10.591	ppbv	99
32) 1,1,1-Trichloroethane	6.65	97	2168338	9.243	ppbv	98
34) 2-Butanone	5.35	43	1981417	9.820	ppbv	99
35) Carbon Tetrachloride	7.16	117	2157795	9.165	ppbv	99
36) Benzene	7.04	78	2993937	10.934	ppbv	98
37) 1,2-Dichloroethane	6.44	62	1751405	10.613	ppbv	99
38) Trichloroethene	7.99	130	1083074	10.334	ppbv	99
39) 1,2-Dichloropropane	7.77	63	1207539	9.786	ppbv	98
40) 1,4-Dioxane	7.98	88	376334	9.947	ppbv #	1
41) Tetrahydrofuran	6.17	42	1220007	11.129	ppbv	98
42) Bromodichloromethane	7.95	83	2470503	9.993	ppbv	98
43) Methyl Methacrylate	8.17	69	1261331	11.027	ppbv	100

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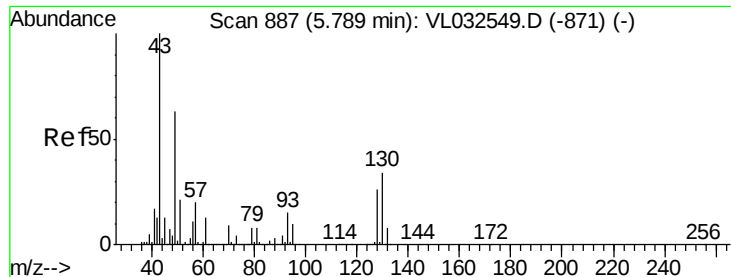
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 28
 QLast Update : Tue Sep 25 05:17:15 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5323773	9.948	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1575702	11.074	ppbv	96
46) cis-1,3-Dichloropropene	8.87	75	1835082	10.995	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1325449	9.671	ppbv	97
48) Dibromochloromethane	10.49	129	2211358	10.261	ppbv	100
49) Bromoform	13.24	173	1695338	10.295	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3105079	9.790	ppbv	100
51) 2-Hexanone	10.30	43	2875106	10.961	ppbv	100
52) Tetrachloroethene	11.41	164	936308	9.821	ppbv	98
53) Toluene	9.98	91	3718110	11.143	ppbv	100
54) 1,2-Dibromoethane	10.79	107	2031657	10.422	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.32	131	1464947	8.627	ppbv #	60
57) Chlorobenzene	12.34	112	2571272	8.450	ppbv	98
58) Ethyl Benzene	12.90	91	4627474	10.099	ppbv	96
59) m/p-Xylene	13.19	91	7629333m	18.713	ppbv	
60) o-Xylene	13.89	91	3737174	9.415	ppbv	100
61) Styrene	13.72	104	2770948	10.672	ppbv	99
62) Isopropylbenzene	14.86	105	5245432	9.344	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2814923	7.982	ppbv	100
64) n-propylbenzene	15.76	120	1344165	9.321	ppbv	96
65) tert-Butylbenzene	16.94	119	4381372	9.106	ppbv	99
66) Benzyl Chloride	17.19	91	2791182	10.065	ppbv	100
67) sec-Butylbenzene	17.50	105	6524267	9.120	ppbv	100
69) p-Isopropyltoluene	17.85	119	5212621	9.434	ppbv	99
70) n-Butylbenzene	18.75	91	5750812	9.529	ppbv	99
71) 2-Chlorotoluene	15.65	91	4152669	9.713	ppbv	99
72) 4-Ethyltoluene	16.04	105	4304183	9.990	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4100685	9.794	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	4142944	9.190	ppbv	98
75) 1,3-Dichlorobenzene	17.20	146	2321428	8.345	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2322658	9.119	ppbv	99
77) 1,2-Dichlorobenzene	18.02	146	2255068	8.620	ppbv	98
78) Hexachloro-1,3-Butadiene	23.58	225	1371457	13.968	ppbv	99
79) Naphthalene	22.45	128	3802029	11.693	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	1438827	18.849	ppbv	99
81) 1,2,4-Trichlorobenzene	22.18	180	1794953	10.771	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

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Tot Ion: 49 Resp: 1491282

Ion Ratio Lower Upper

49 100

128 42.4 20.7 62.1

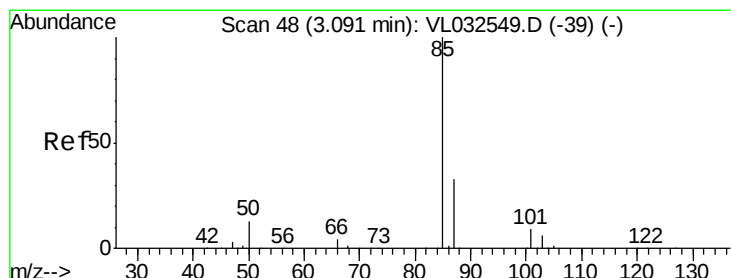
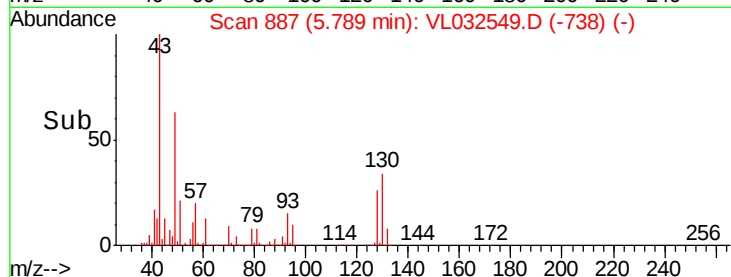
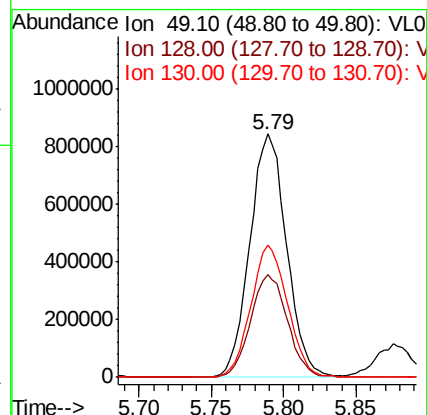
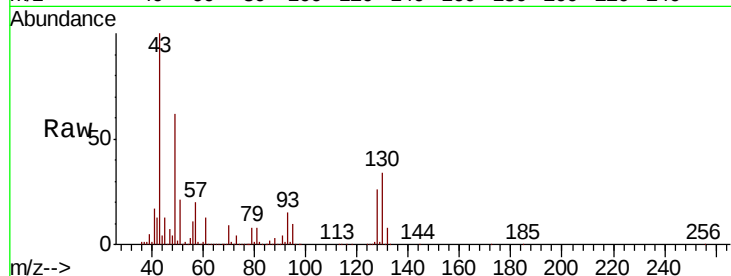
130 54.4 26.6 79.7

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10/1/2018 11:57:35 AM



#2

Dichlorodifluoromethane

Concen: 7.700 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032549.D

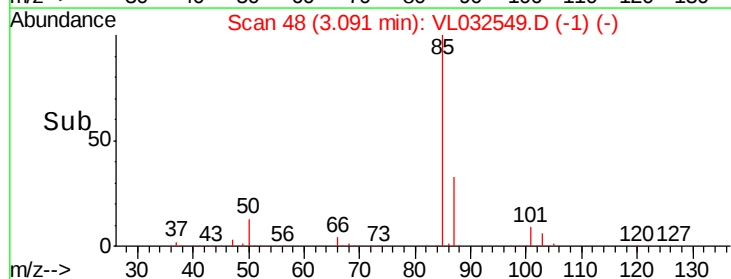
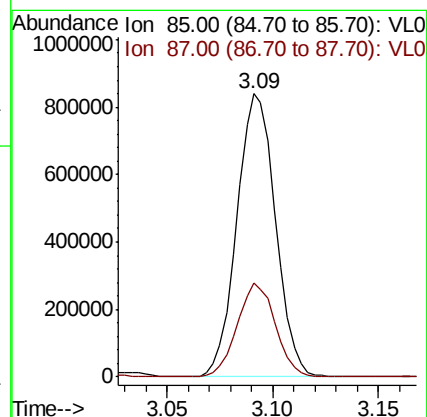
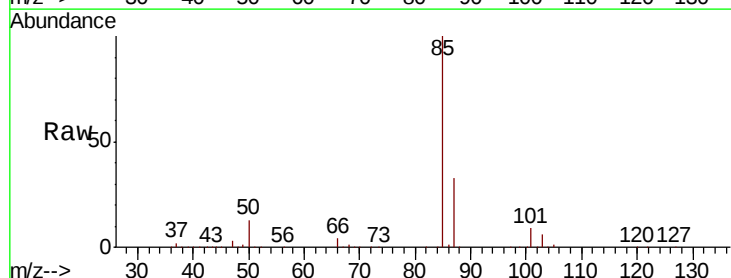
Acq: 27 Sep 2018 13:10

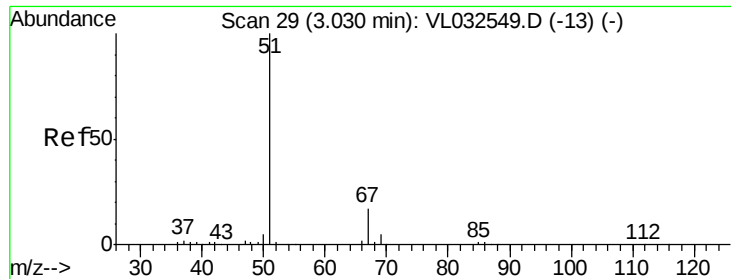
Tgt Ion: 85 Resp: 1062044

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.4





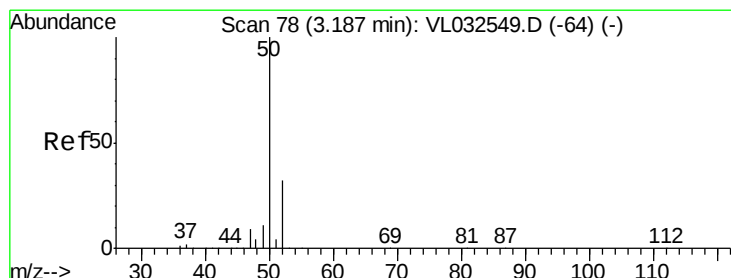
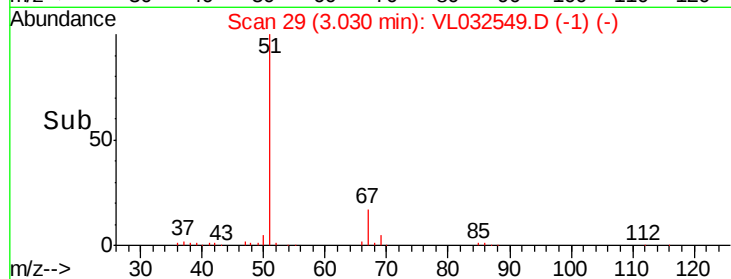
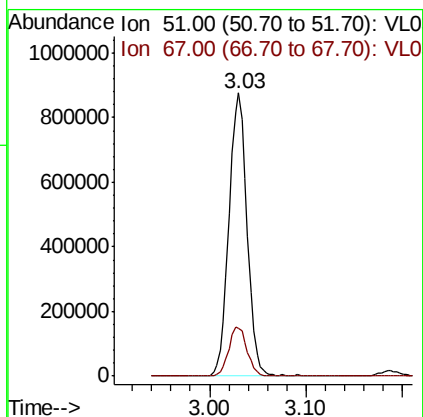
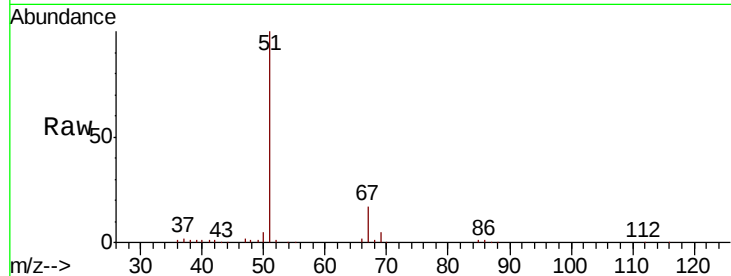
#3
Chlorodifluoromethane
Concen: 9.181 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1138551
Ion Ratio Lower Upper
51 100
67 17.6 13.8 20.8

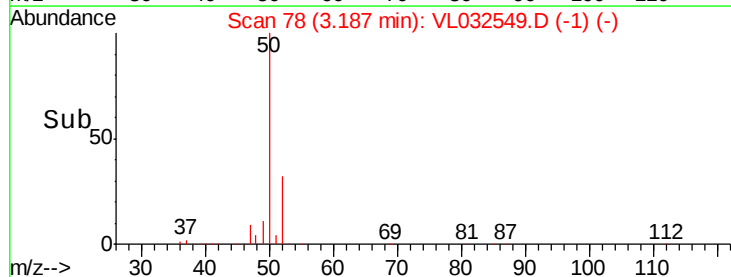
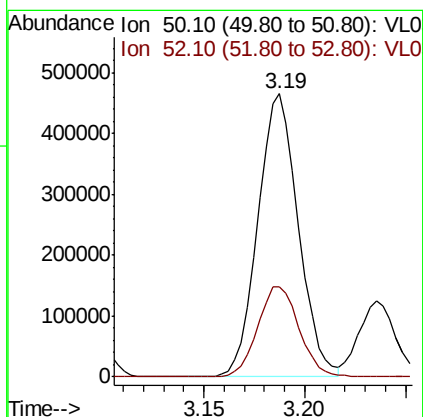
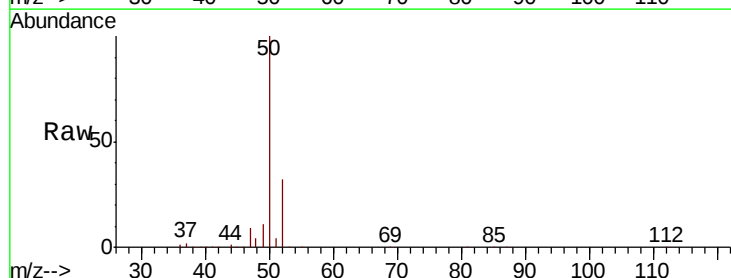
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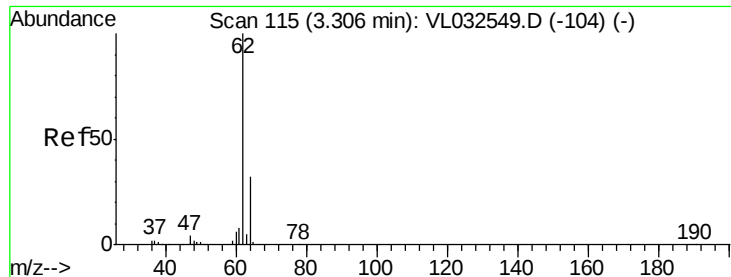
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10/1/2018 11:57:35 AM



#4
Chloromethane
Concen: 9.006 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 50 Resp: 651222
Ion Ratio Lower Upper
50 100
52 31.8 25.6 38.4





#5

Vinyl Chloride

Concen: 8.569 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 62 Resp: 626120

Ion Ratio Lower Upper

62 100

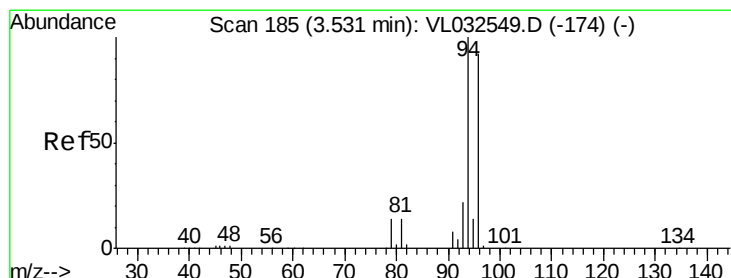
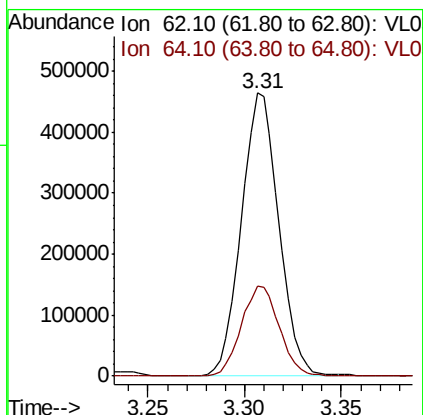
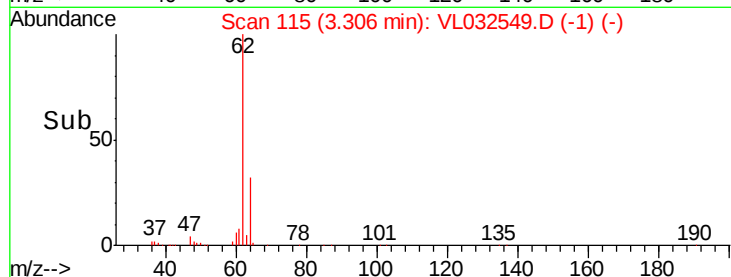
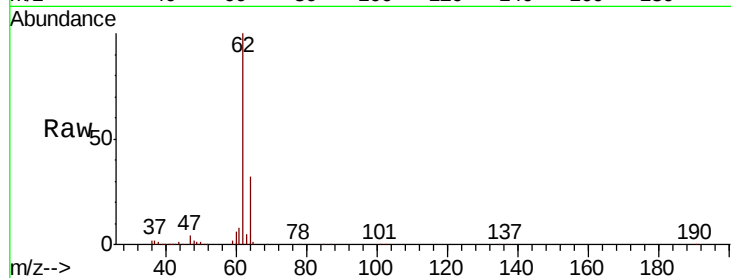
64 31.7 25.0 37.6

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10/1/2018 11:57:35 AM



#6

Bromomethane

Concen: 9.098 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032549.D

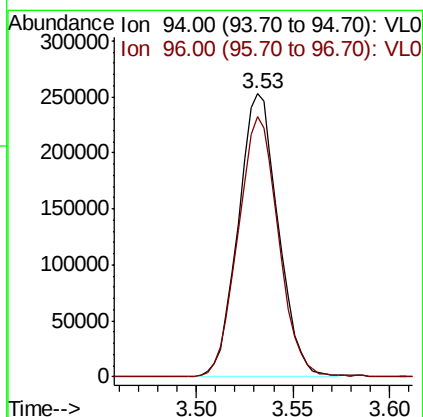
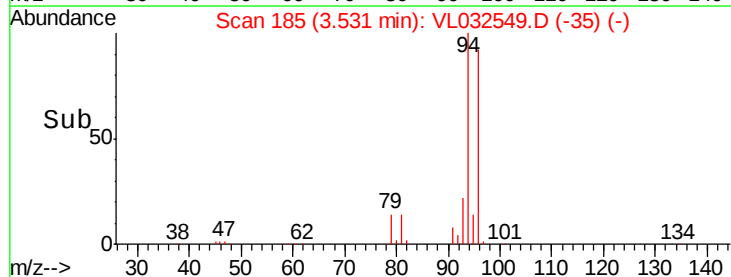
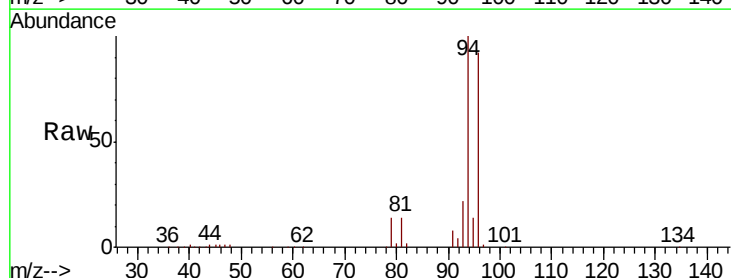
Acq: 27 Sep 2018 13:10

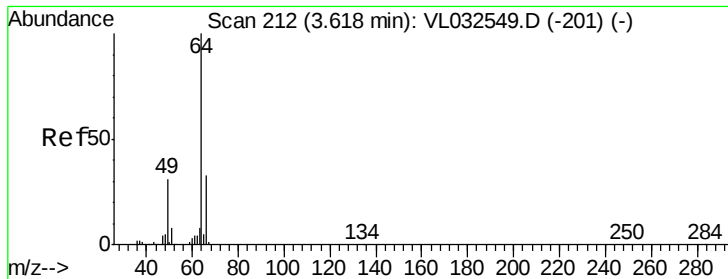
Tgt Ion: 94 Resp: 363551

Ion Ratio Lower Upper

94 100

96 91.8 72.8 109.2





#7

Chloroethane

Concen: 8.841 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 230165

Ion Ratio Lower Upper

64 100

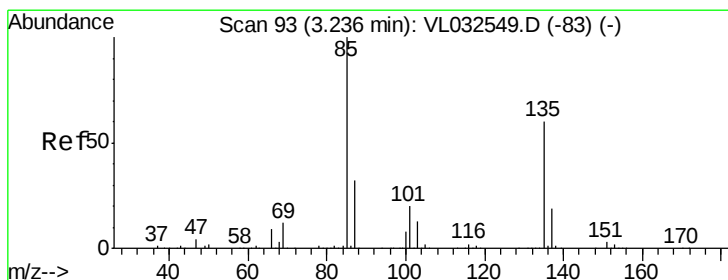
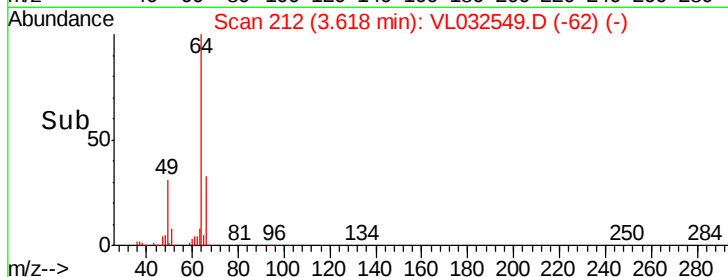
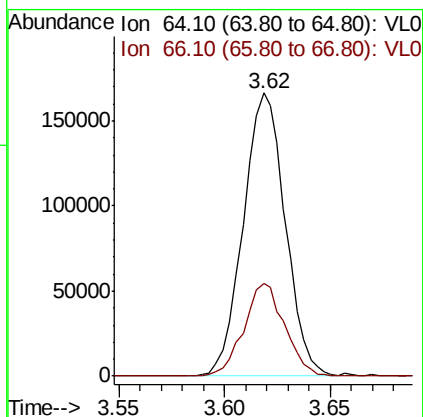
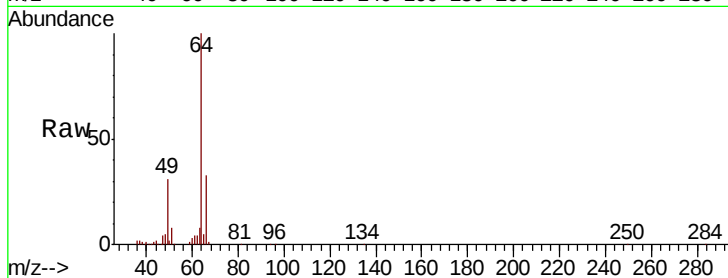
66 32.5 25.8 38.6

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10/1/2018 11:57:35 AM



#8

Dichlorotetrafluoroethane

Concen: 9.220 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032549.D

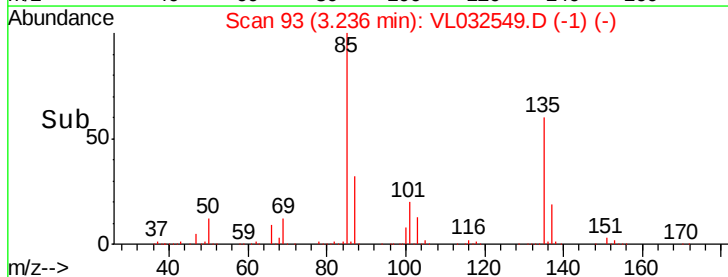
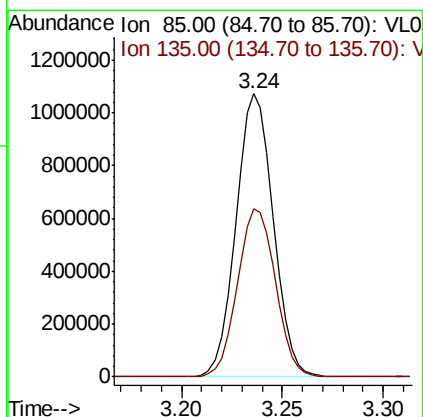
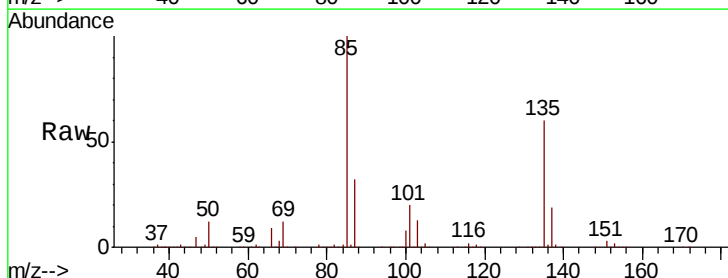
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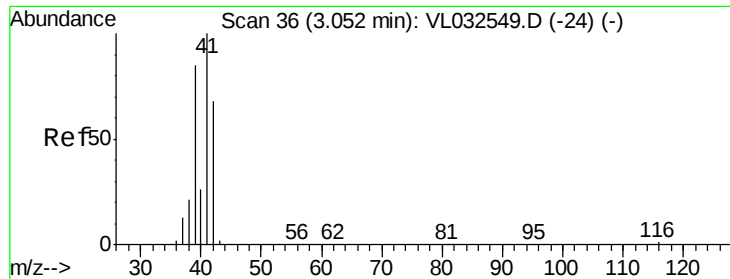
Tgt Ion: 85 Resp: 1389557

Ion Ratio Lower Upper

85 100

135 60.9 48.6 72.8





#9

Propene

Concen: 9.481 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 510121

Ion Ratio Lower Upper

41 100

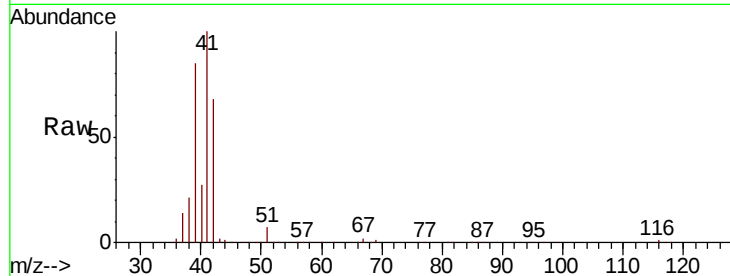
42 69.7 56.6 84.8

Manual Integrations

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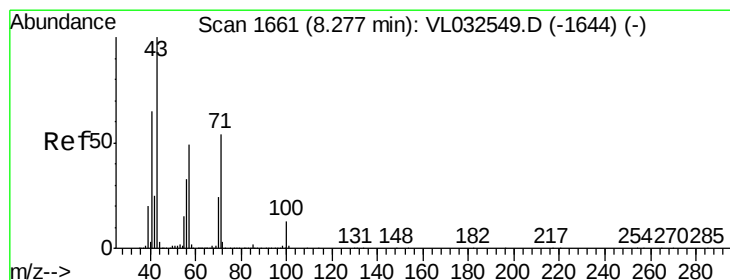
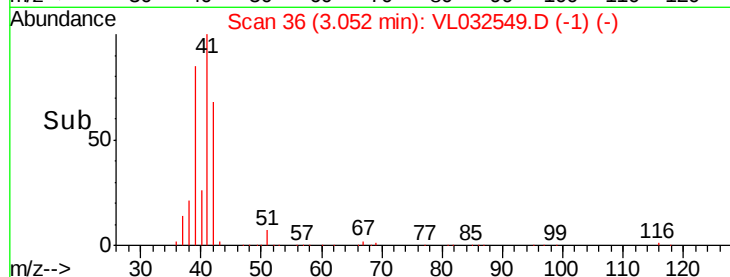
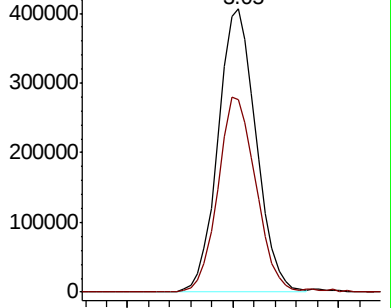
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10/1/2018 11:57:35 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.369 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032549.D

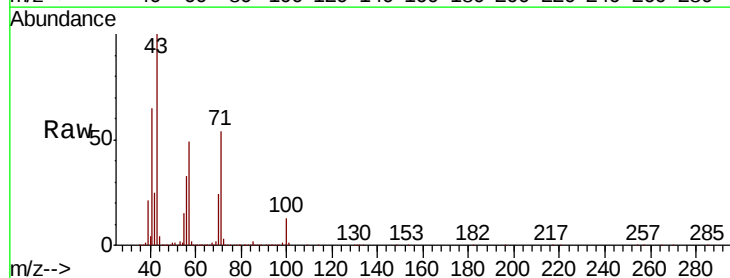
Acq: 27 Sep 2018 13:10

Tgt Ion: 43 Resp: 2046374

Ion Ratio Lower Upper

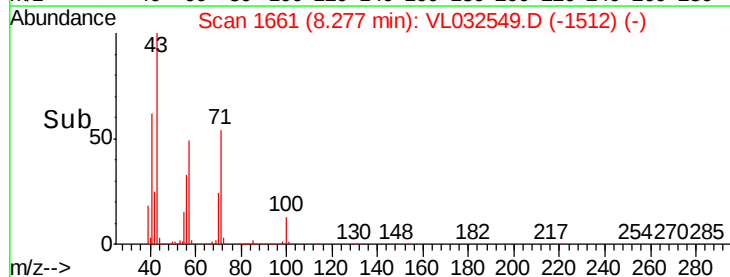
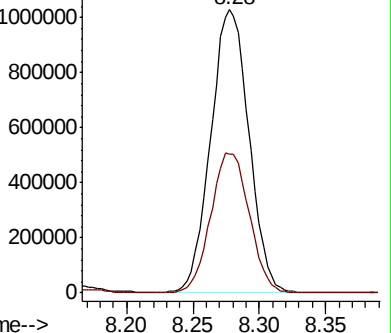
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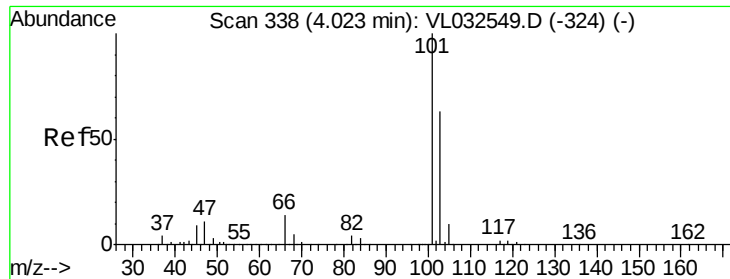
57 50.3 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.895 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 1458459

Ion Ratio Lower Upper

101 100

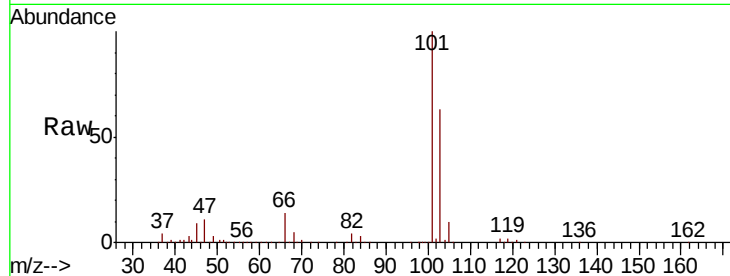
103 62.8 52.8 79.2

Manual Integrations

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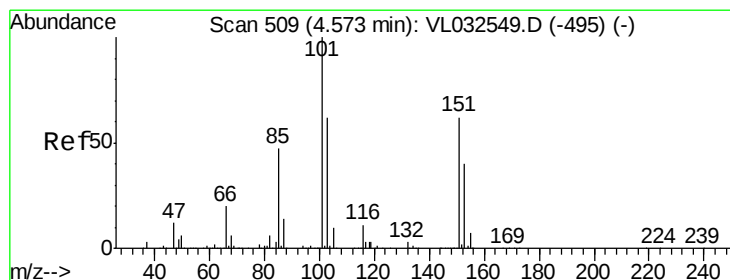
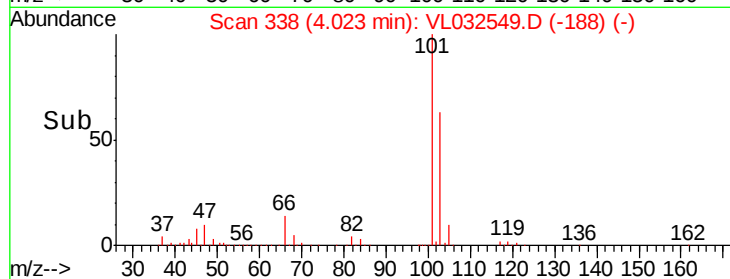
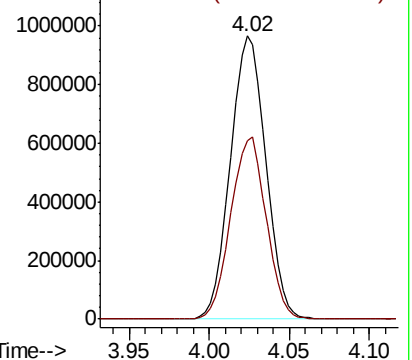
MMDadoda

10/1/2018 11:57:35 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.612 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032549.D

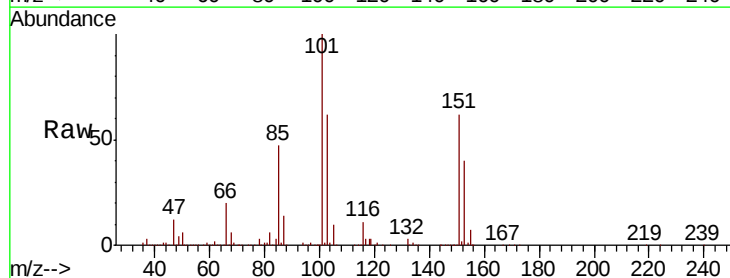
Acq: 27 Sep 2018 13:10

Tgt Ion:101 Resp: 1288361

Ion Ratio Lower Upper

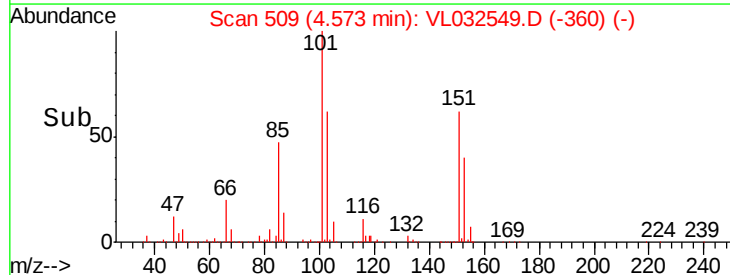
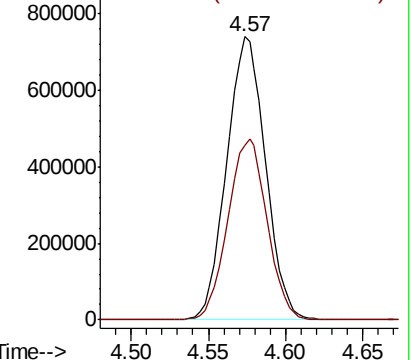
101 100

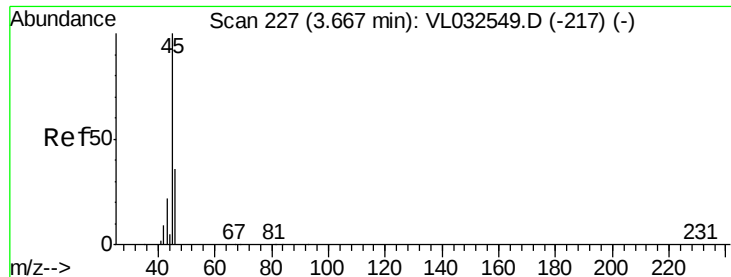
151 64.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





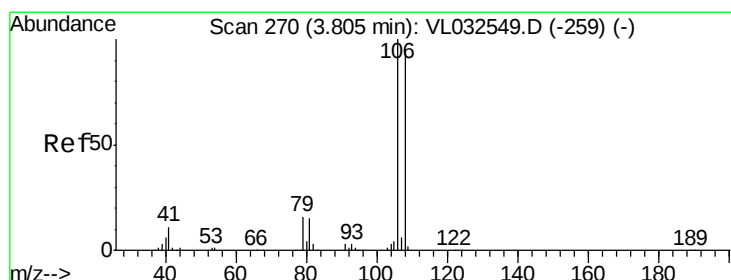
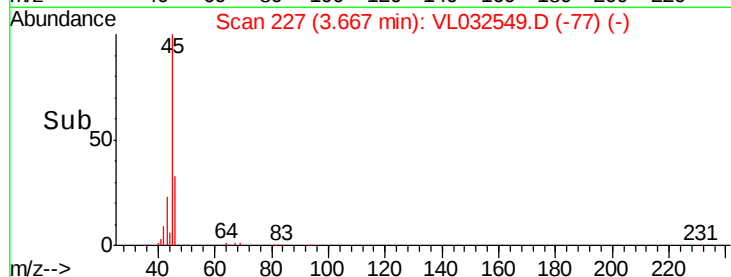
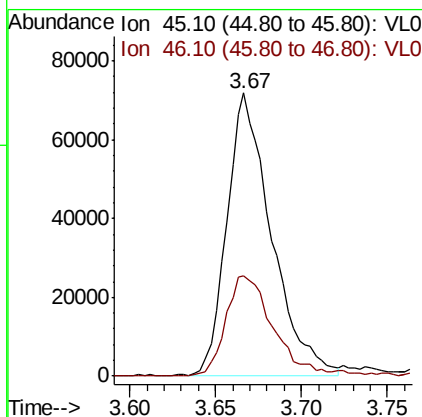
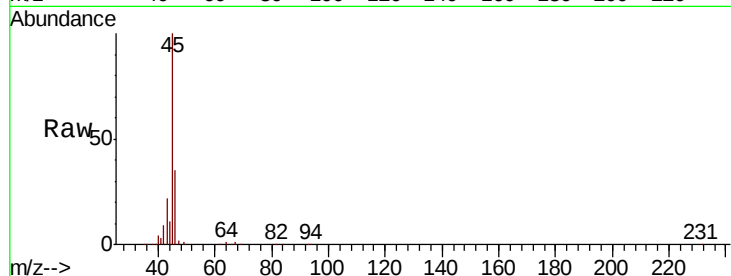
#13
Ethanol
Concen: 7.927 ppbv
RT: 3.67 min Scan# 227
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	128215
Ion Ratio	100	Lower	Upper
45	100		
46	40.0	14.2	56.8

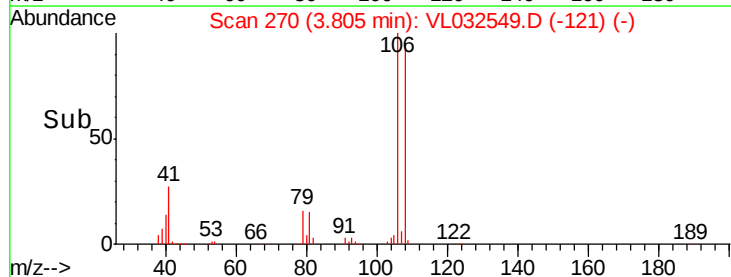
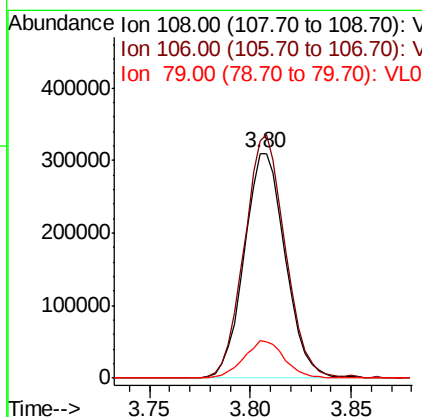
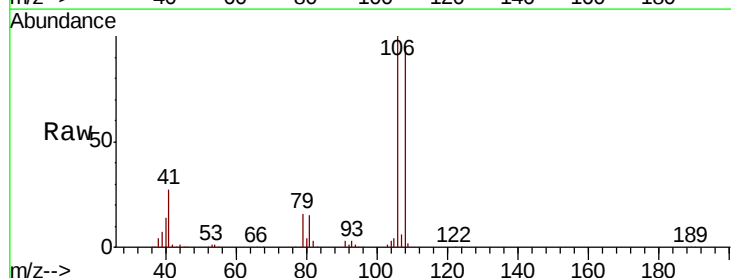
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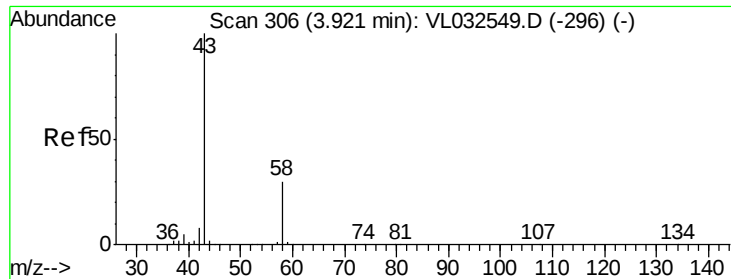
MMDadoda
10/1/2018 11:57:35 AM



#14
Bromoethene
Concen: 9.312 ppbv
RT: 3.80 min Scan# 270
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion	108	Resp	442874
Ion Ratio	100	Lower	Upper
108	100		
106	108.0	85.5	128.3
79	16.6	13.0	19.6





#15

Acetone

Concen: 8.299 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1086412

Ion Ratio Lower Upper

43 100

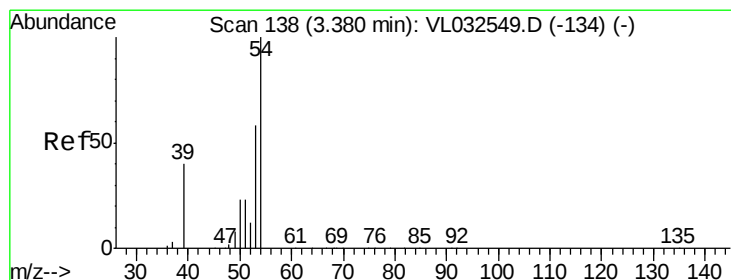
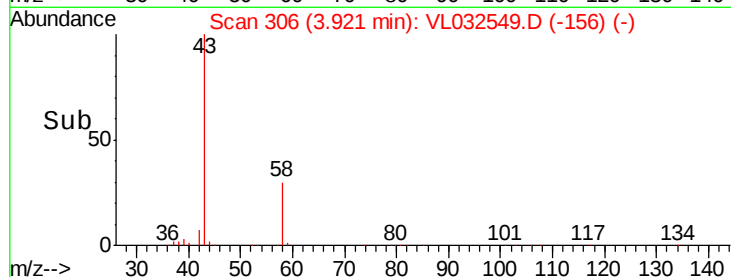
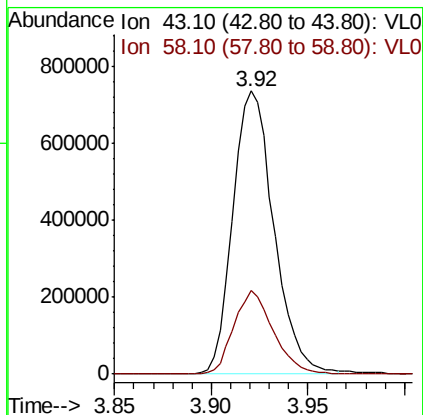
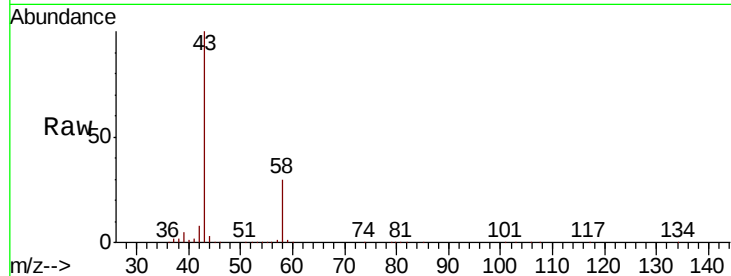
58 28.6 22.6 33.8

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10/1/2018 11:57:35 AM



#16

1,3-Butadiene

Concen: 9.816 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032549.D

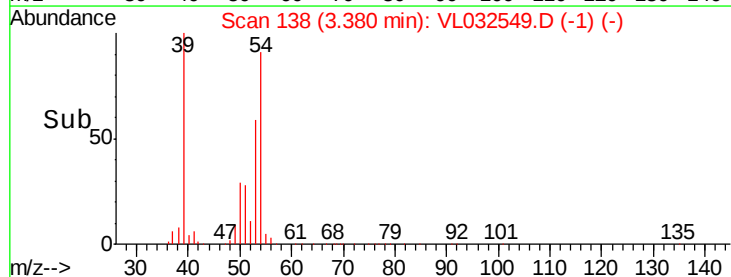
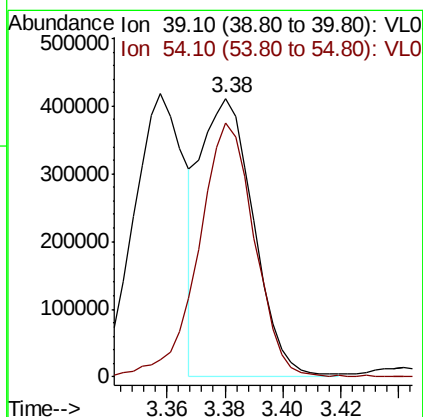
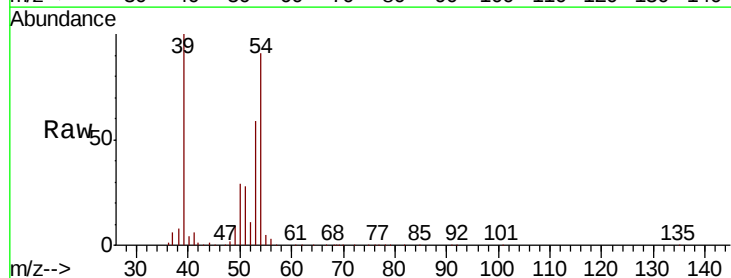
Acq: 27 Sep 2018 13:10

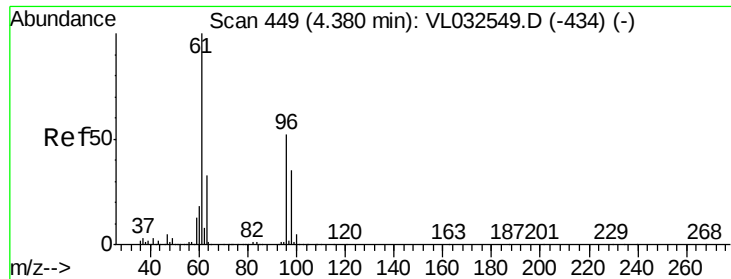
Tgt Ion: 39 Resp: 521101

Ion Ratio Lower Upper

39 100

54 97.0 80.8 121.2





#17

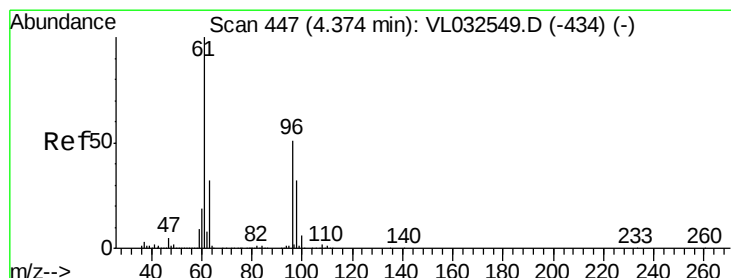
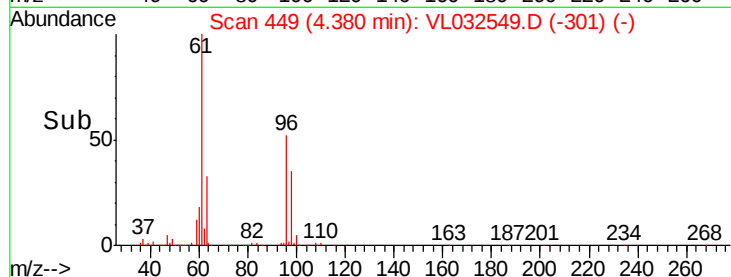
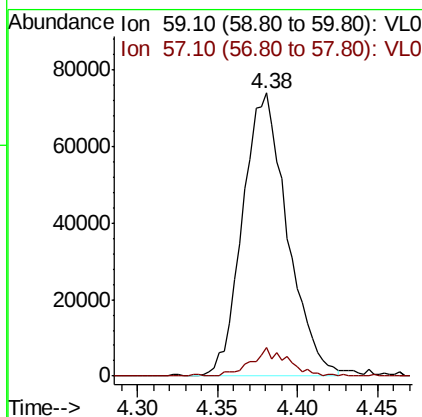
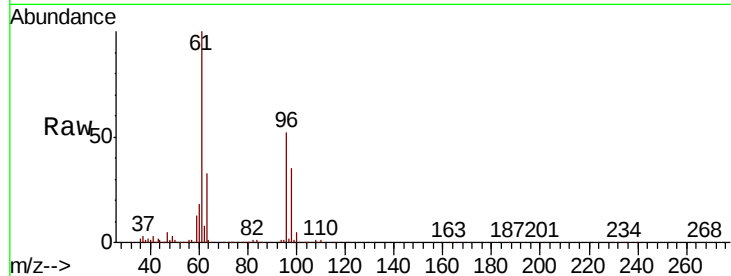
tert-Butyl alcohol
Concen: 8.605 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	0.0	0.0#

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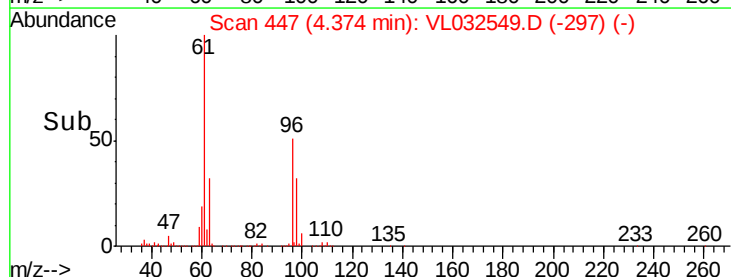
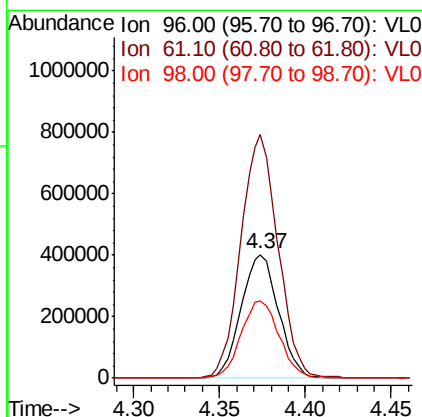
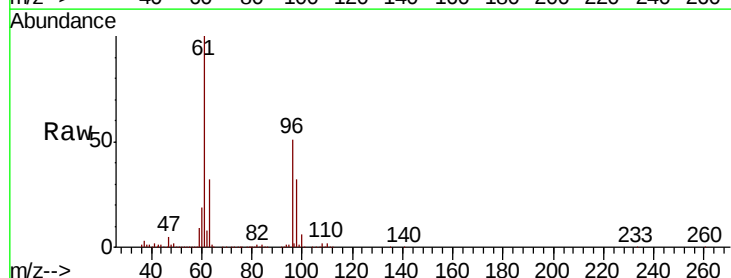
MMDadoda
10/1/2018 11:57:35 AM

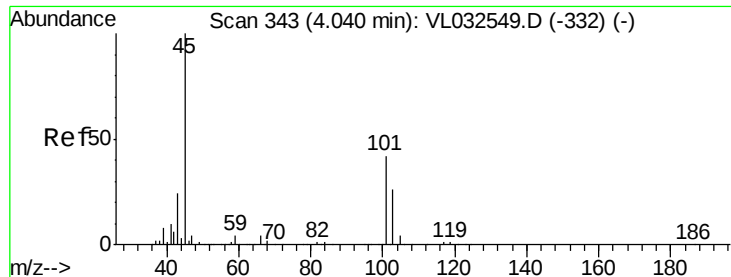


#18

1,1-Dichloroethene
Concen: 9.666 ppbv
RT: 4.37 min Scan# 447
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.2	159.2	238.8
98	62.4	51.0	76.4





#19

Isopropyl Alcohol

Concen: 9.277 ppbv

RT: 4.04 min Scan# 343

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 845833

Ion Ratio Lower Upper

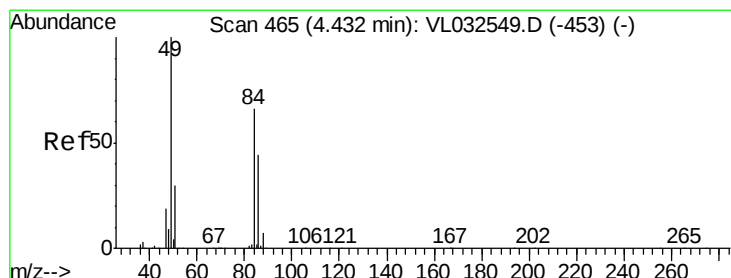
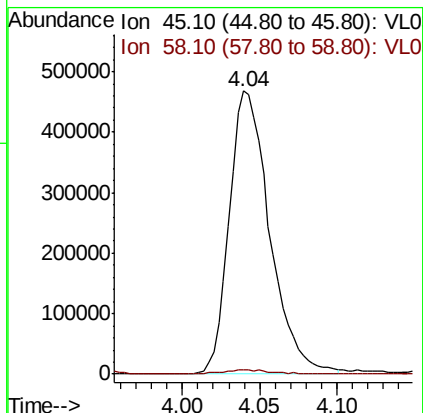
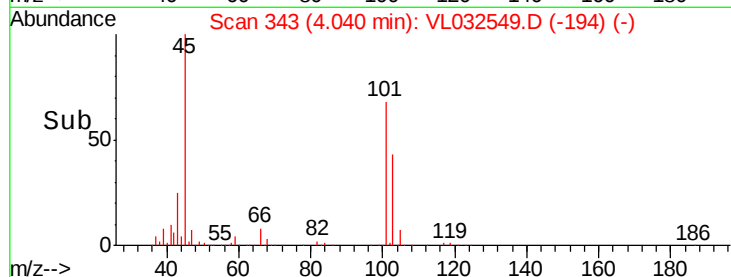
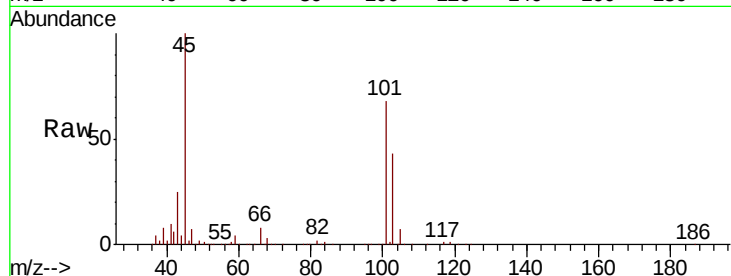
45 100

58 1.9 2.0 3.0#

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#20

Methylene Chloride

Concen: 8.505 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Tgt Ion: 84 Resp: 539109

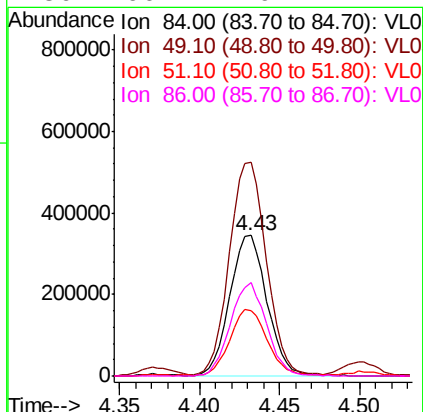
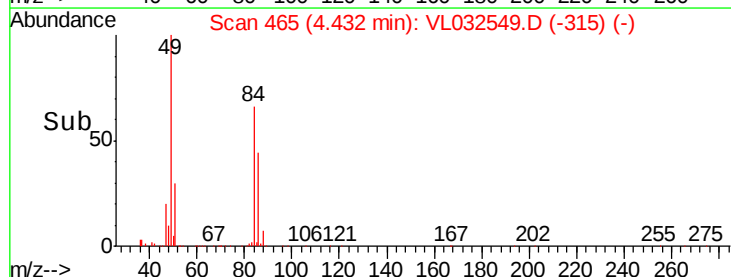
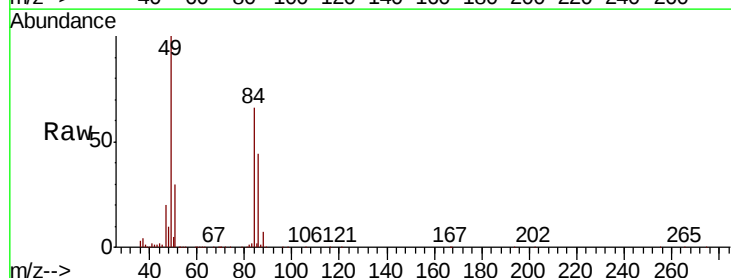
Ion Ratio Lower Upper

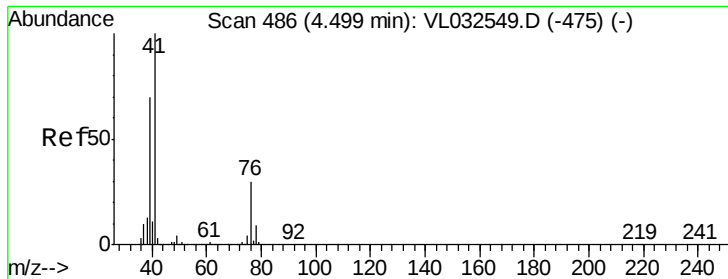
84 100

49 151.4 119.1 178.7

51 45.8 35.2 52.8

86 66.4 49.4 74.2





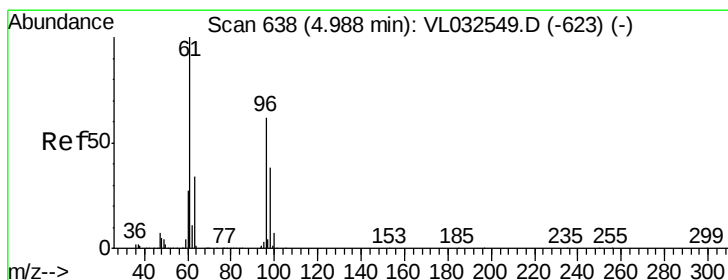
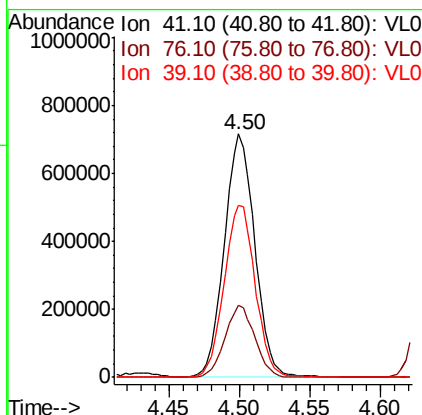
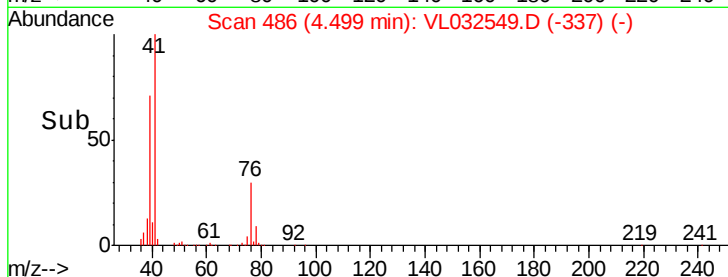
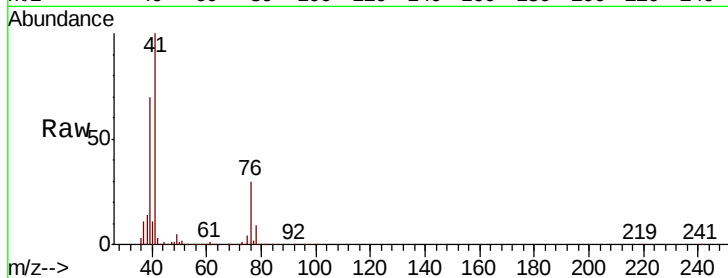
#21
Allvl Chloride
Concen: 10.048 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1075008
Ion Ratio Lower Upper
41 100
76 29.3 23.6 35.4
39 72.2 57.7 86.5

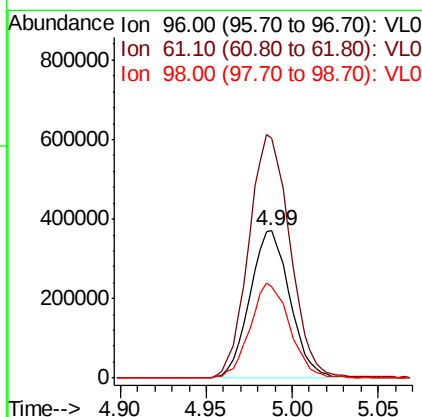
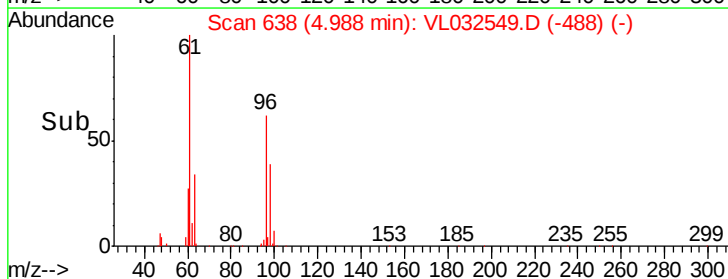
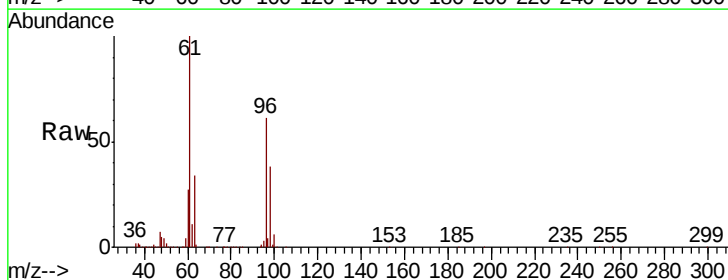
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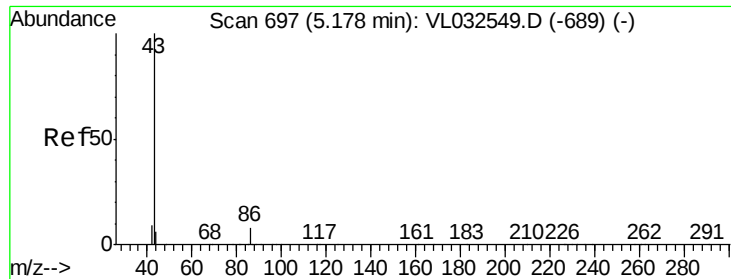
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#22
trans-1,2-Dichloroethene
Concen: 10.109 ppbv
RT: 4.99 min Scan# 638
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 96 Resp: 598032
Ion Ratio Lower Upper
96 100
61 162.6 136.2 204.4
98 62.2 50.4 75.6





#23

Vinyl Acetate

Concen: 10.271 ppbv

RT: 5.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2375892

Ion Ratio Lower Upper

43 100

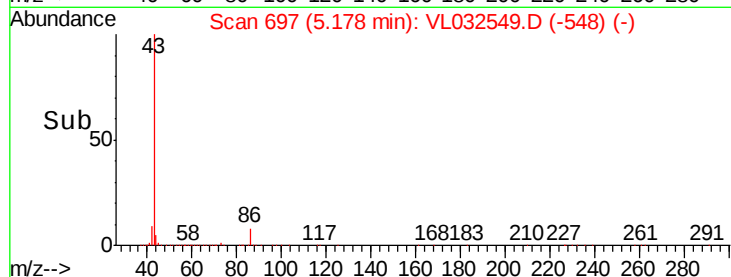
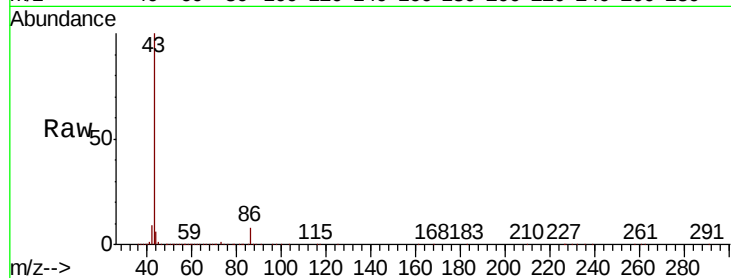
86 7.7 5.9 8.9

42 9.3 6.9 10.3

44 5.5 4.6 7.0

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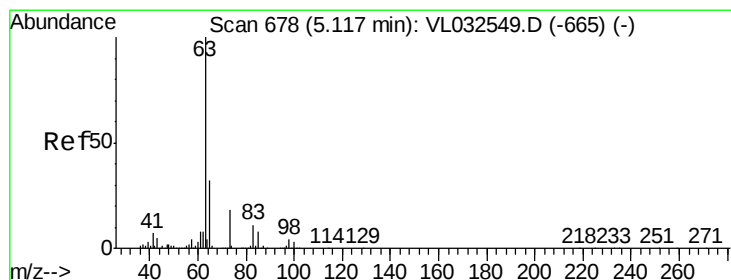
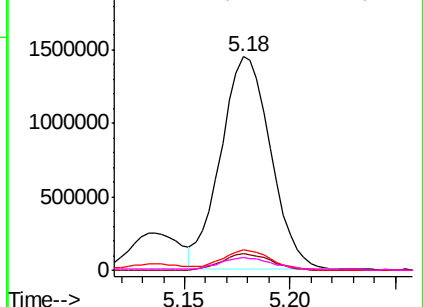


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.403 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

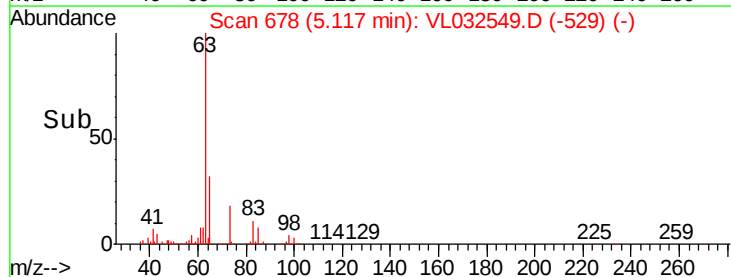
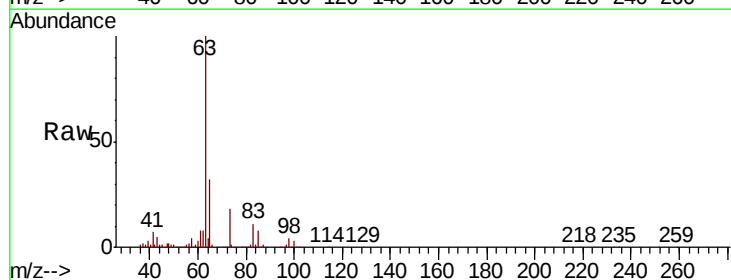
Tgt Ion: 63 Resp: 1811222

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

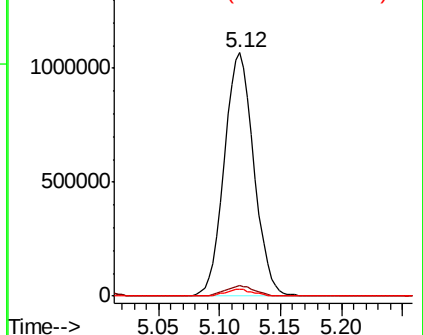
100 2.7 1.5 4.4

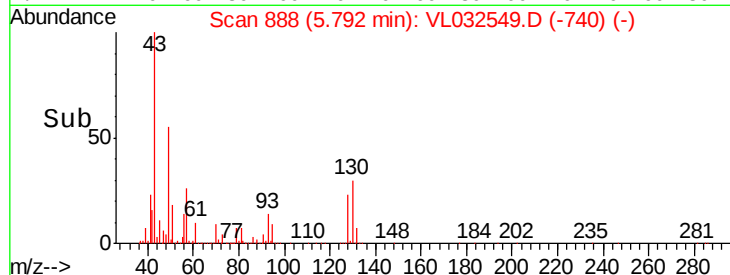
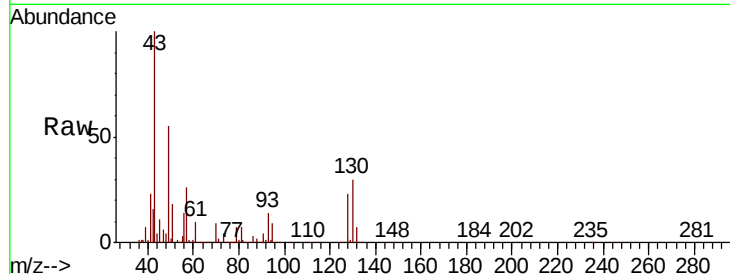
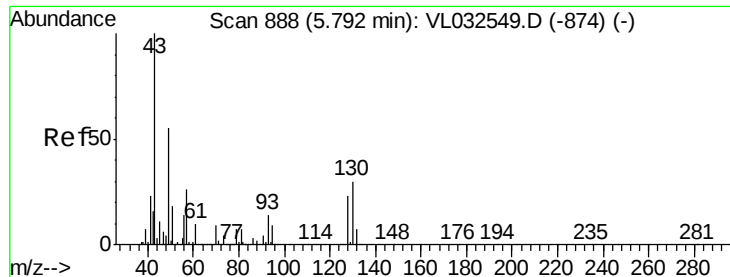


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





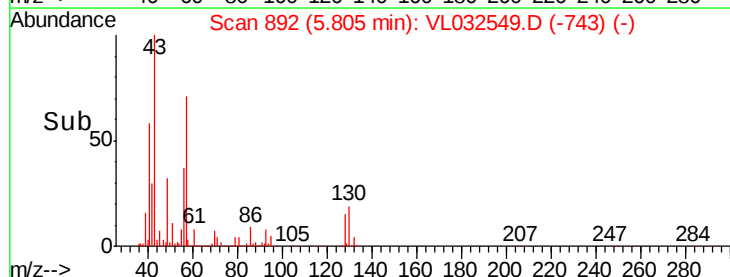
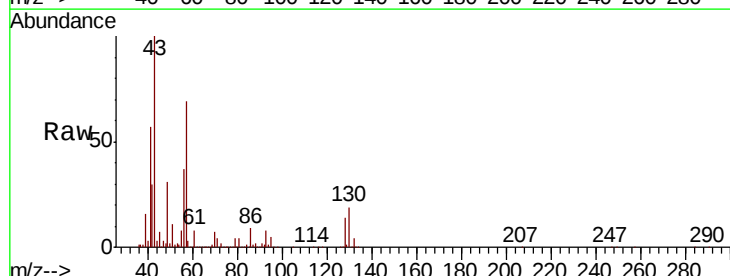
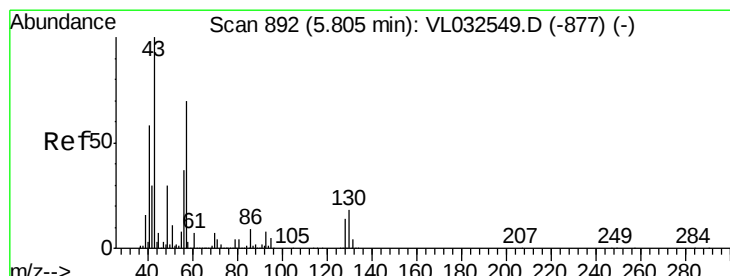
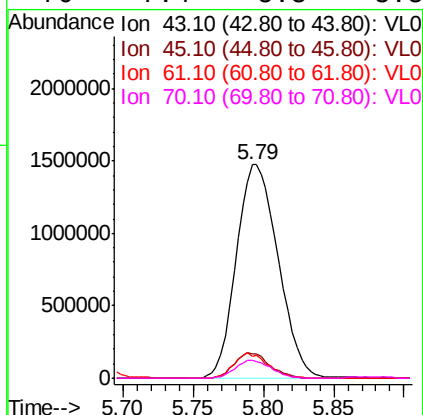
#25
Ethyl Acetate
Concen: 9.611 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	9.9	7.6	11.4
70	7.4	5.8	8.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

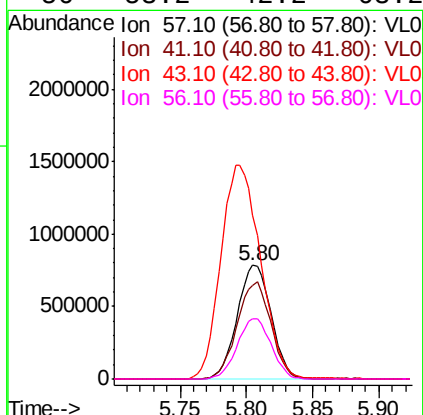
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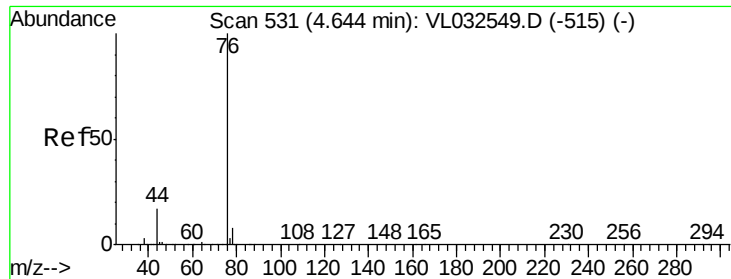
MMDadoda
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#26
Hexane
Concen: 9.706 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.6	69.0	103.4
43	220.3	172.1	258.1
56	53.2	42.2	63.2





#27

Carbon Disulfide

Concen: 10.477 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1615912

Ion Ratio Lower Upper

76 100

44 17.6 14.0 21.0

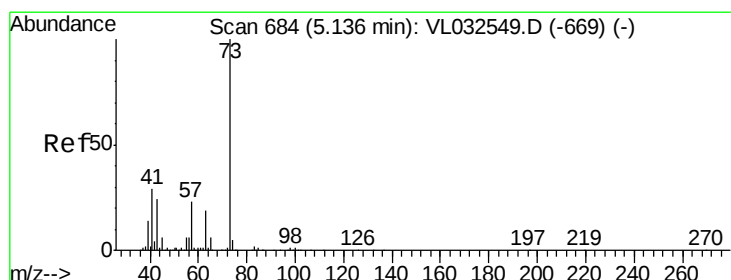
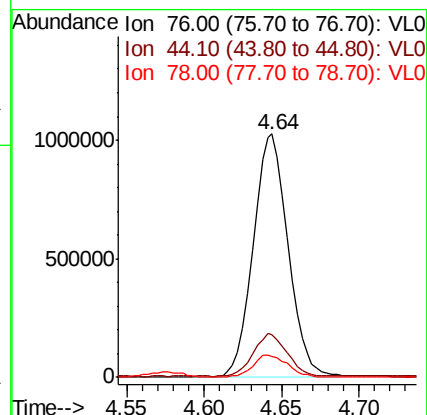
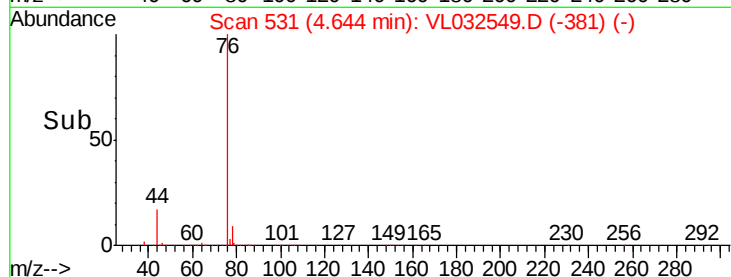
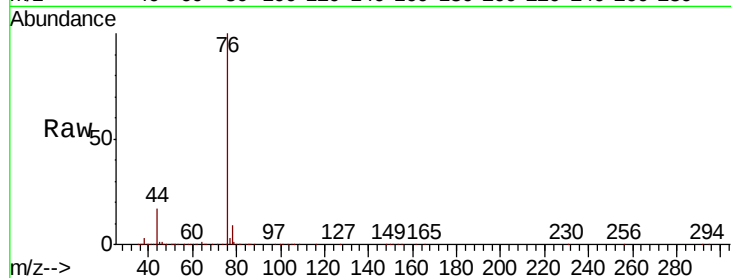
78 9.5 7.5 11.3

Manual Integrations

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10/1/2018 11:57:35 AM



#28

Methyl tert-Butyl Ether

Concen: 10.456 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.02 min

Lab File: VL032549.D

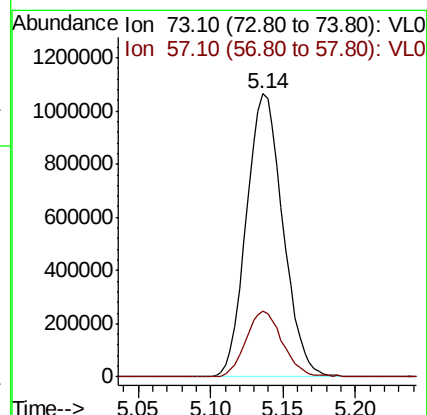
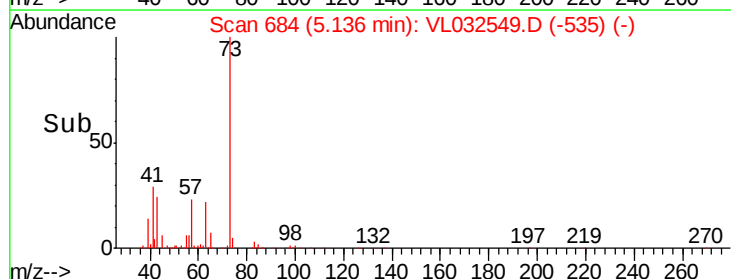
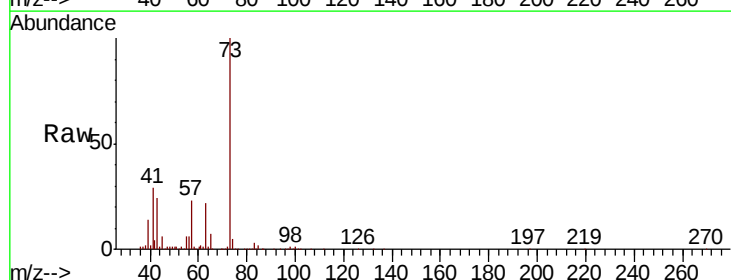
Acq: 27 Sep 2018 13:10

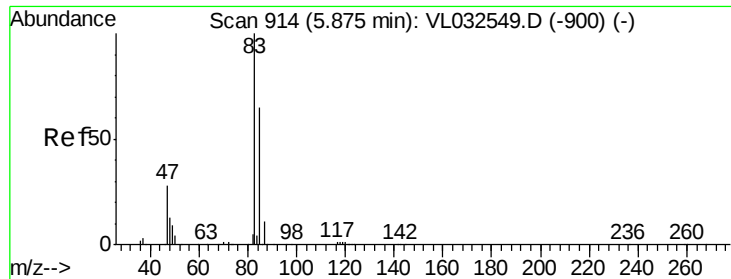
Tgt Ion: 73 Resp: 1868669

Ion Ratio Lower Upper

73 100

57 23.5 19.3 28.9





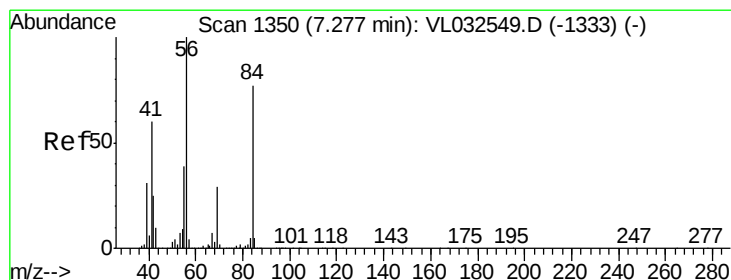
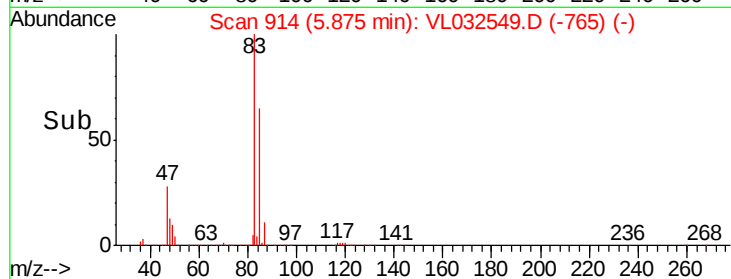
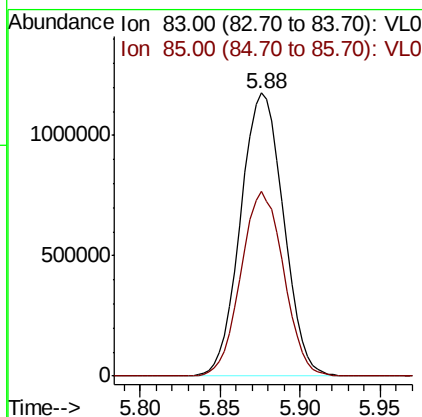
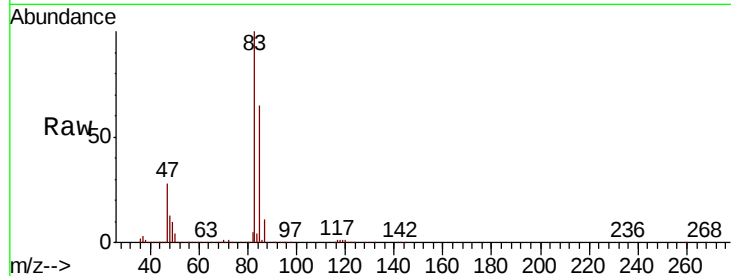
#29
Chloroform
Concen: 9.800 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2157457
Ion Ratio Lower Upper
83 100
85 65.3 52.5 78.7

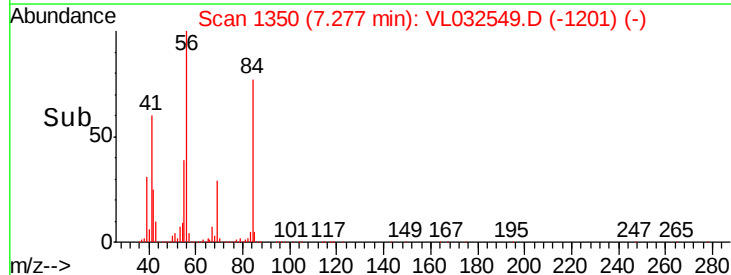
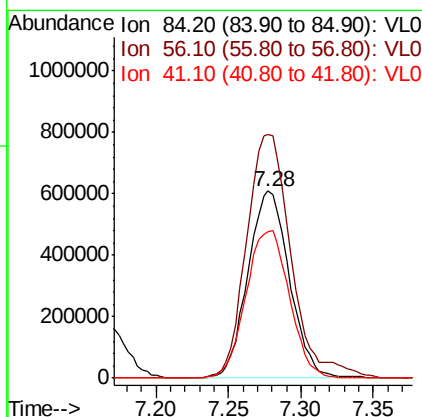
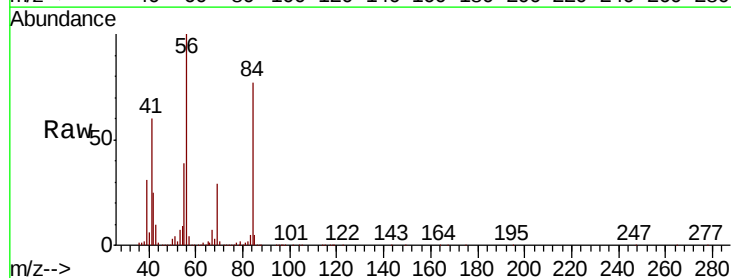
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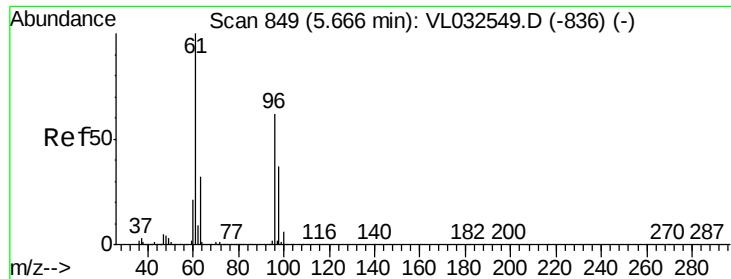
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#30
Cyclohexane
Concen: 10.386 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 84 Resp: 1213362
Ion Ratio Lower Upper
84 100
56 140.3 113.5 170.3
41 82.8 68.1 102.1





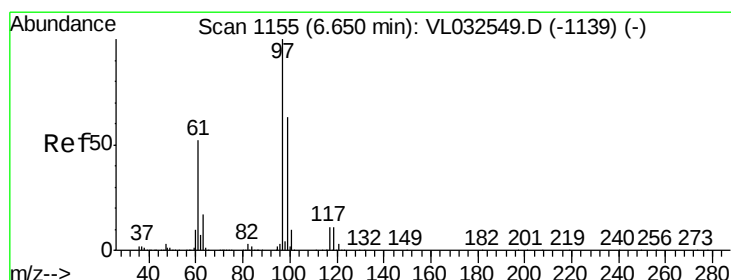
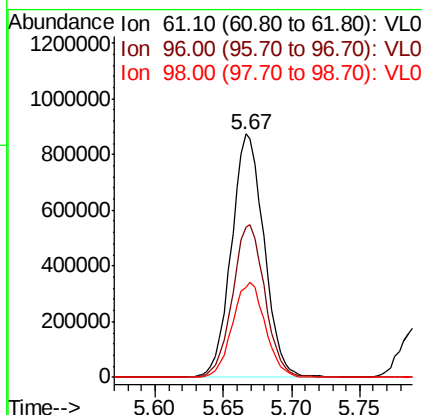
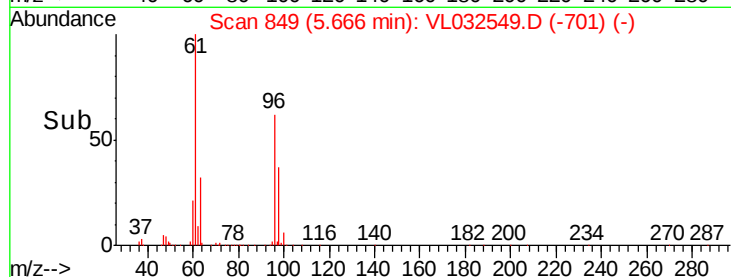
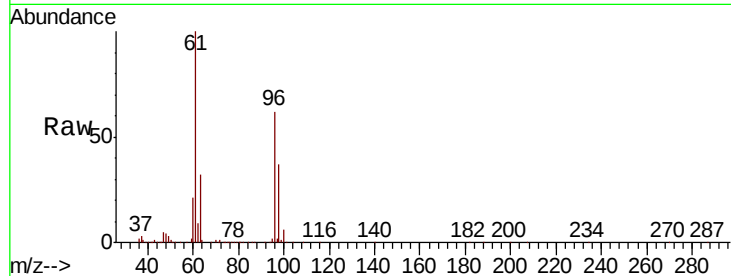
#31
 cis-1,2-Dichloroethene
 Concen: 10.591 ppbv
 RT: 5.67 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.8	49.2	73.8
98	37.0	30.7	46.1

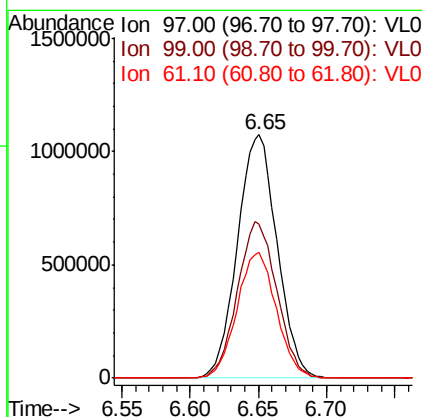
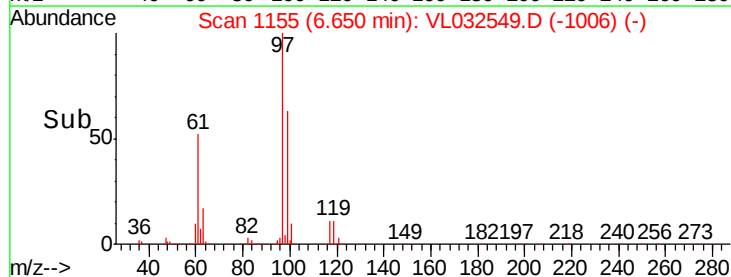
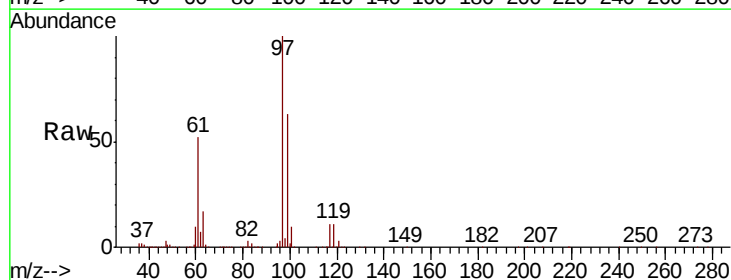
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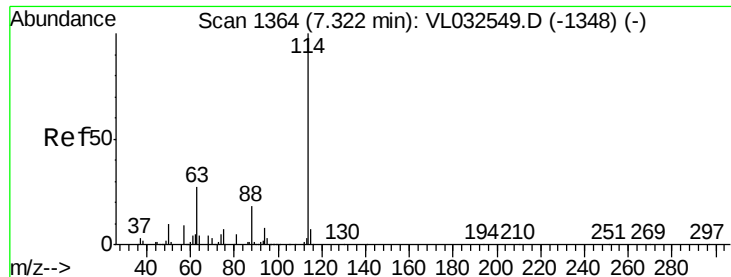
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#32
 1,1,1-Trichloroethane
 Concen: 9.243 ppbv
 RT: 6.65 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	51.3	42.5	63.7





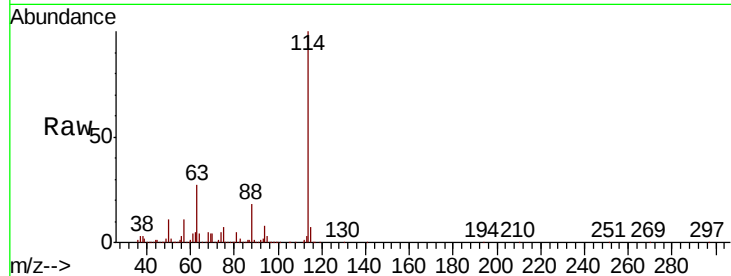
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

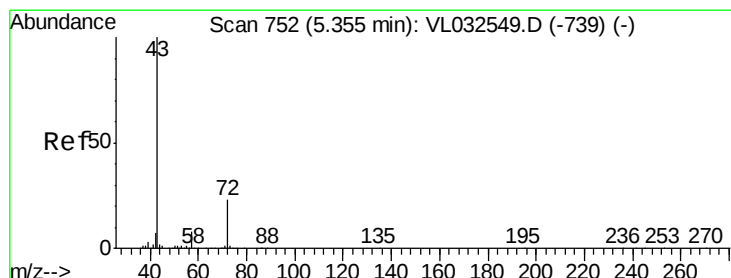
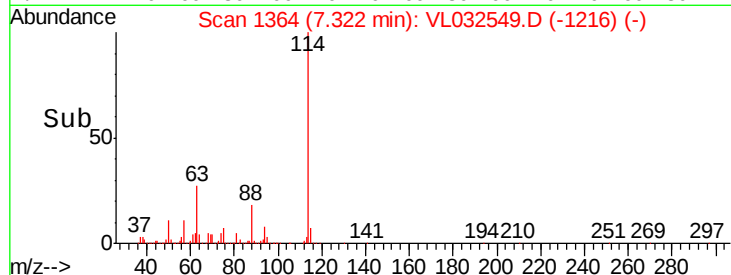
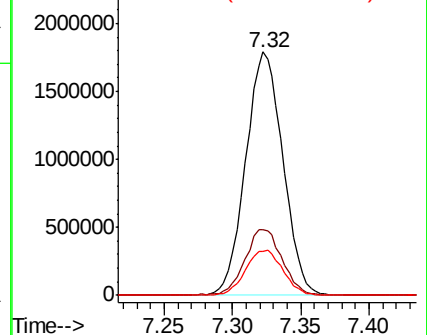
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.7	15.0	22.4

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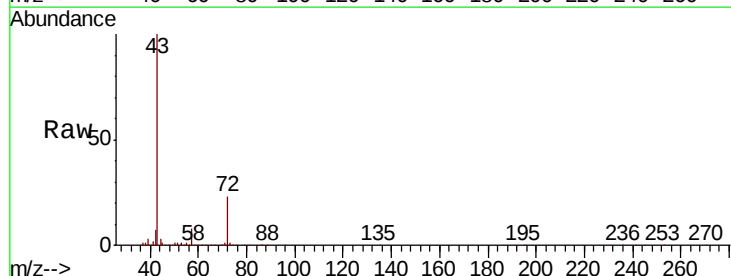


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

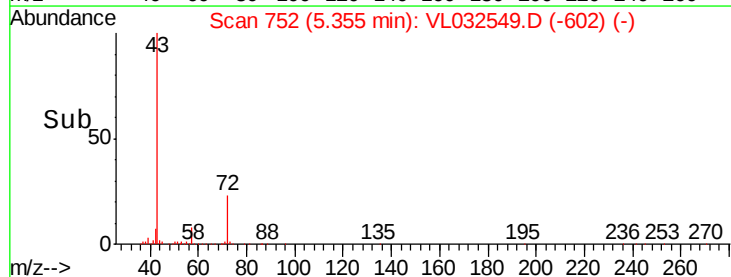
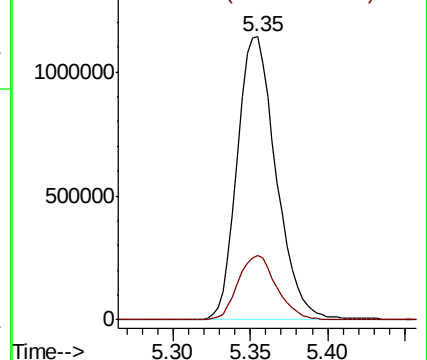


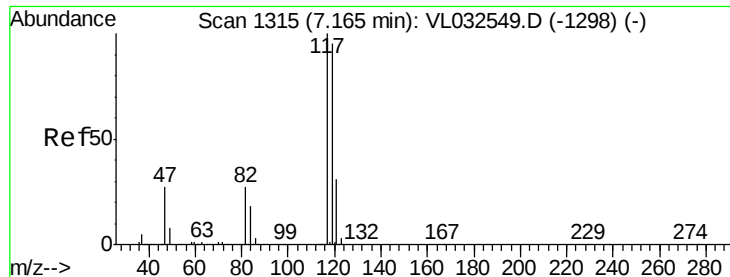
#34
 2-Butanone
 Concen: 9.820 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	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: 9.165 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2157795

Ion Ratio Lower Upper

117 100

119 95.1 76.6 115.0

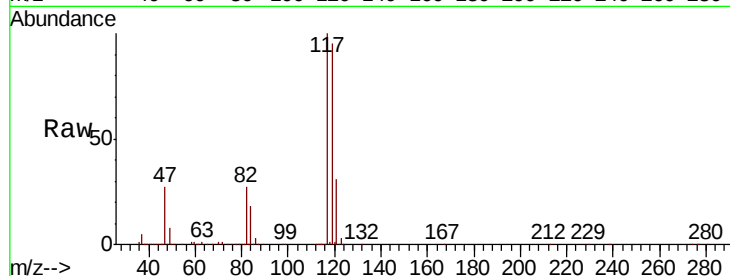
121 30.9 24.6 36.8

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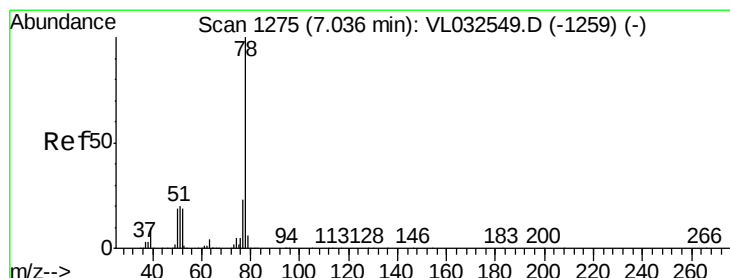
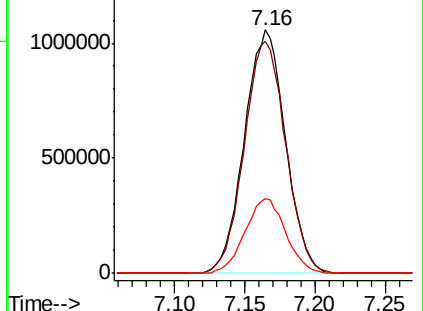
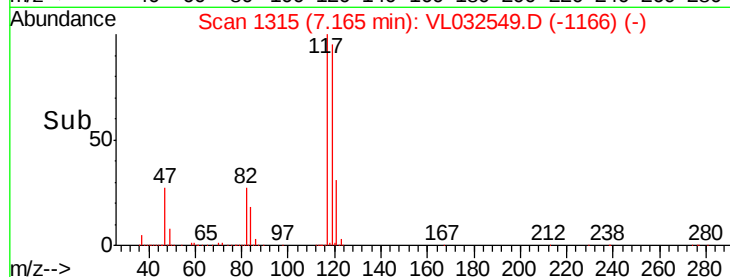
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.934 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

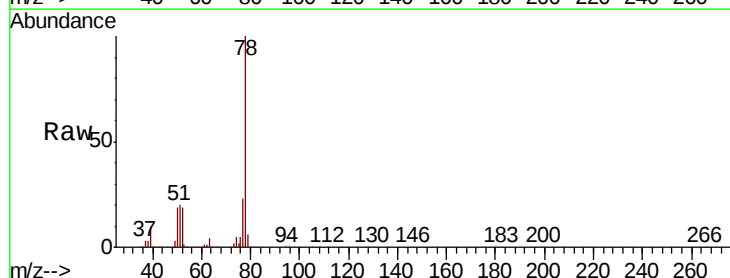
Tgt Ion: 78 Resp: 2993937

Ion Ratio Lower Upper

78 100

77 22.6 18.4 27.6

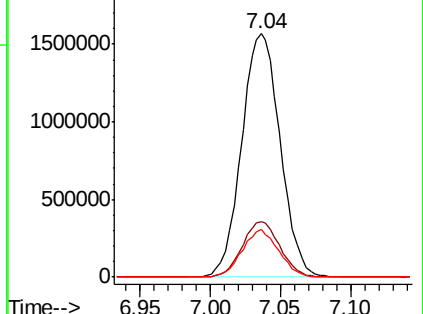
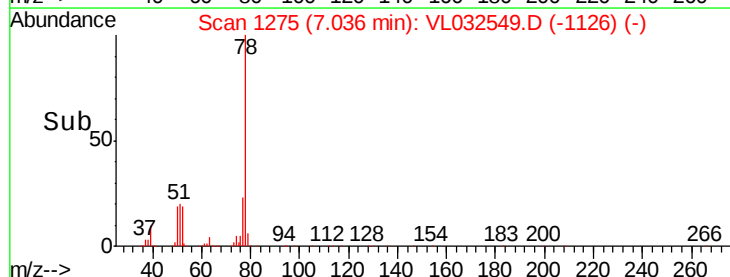
50 19.4 14.4 21.6

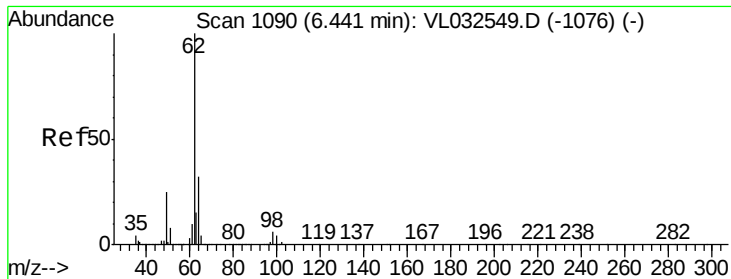


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.613 ppbv

RT: 6.44 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1751405

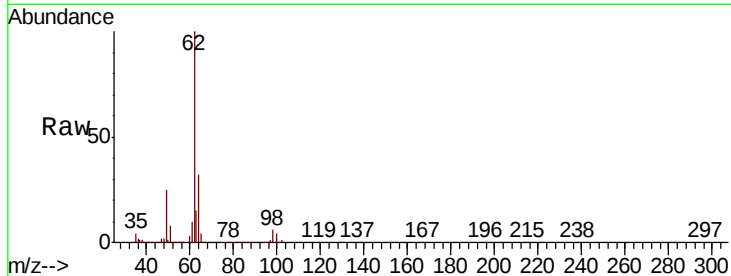
Ion Ratio Lower Upper

62 100

98 5.9 5.0 7.6

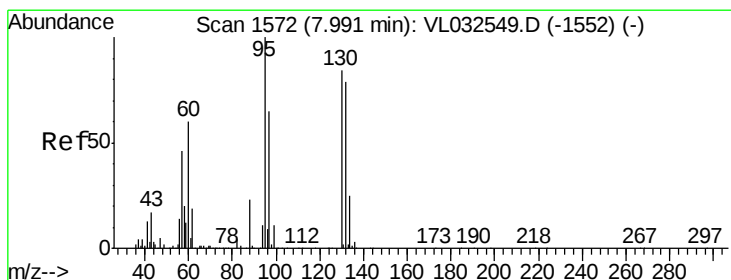
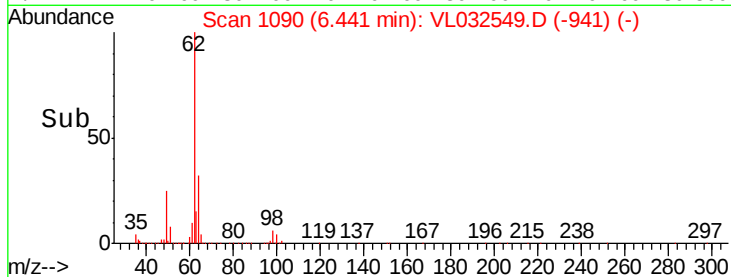
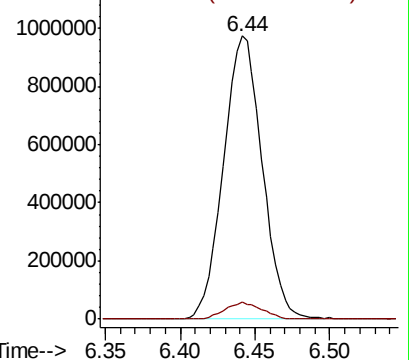
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.334 ppbv

RT: 7.99 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Tgt Ion:130 Resp: 1083074

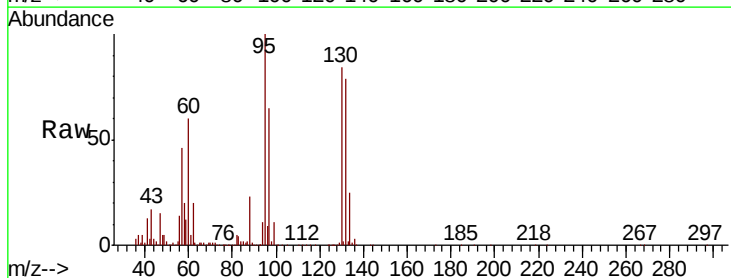
Ion Ratio Lower Upper

130 100

95 119.2 94.2 141.4

132 94.0 76.2 114.4

97 77.0 60.8 91.2

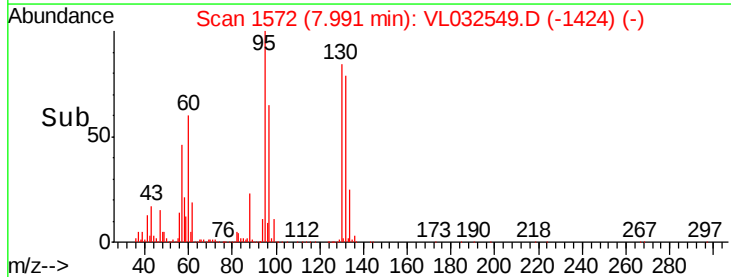
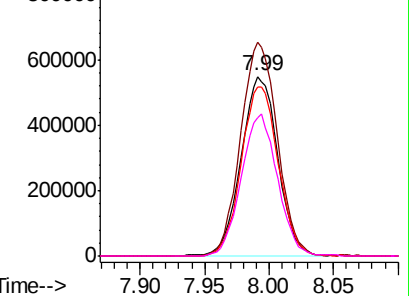


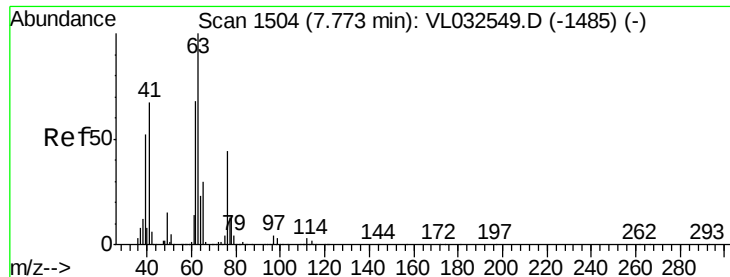
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





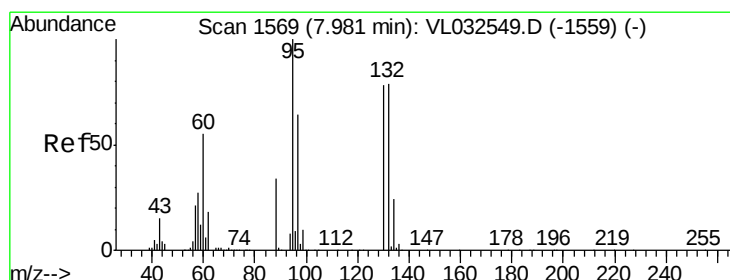
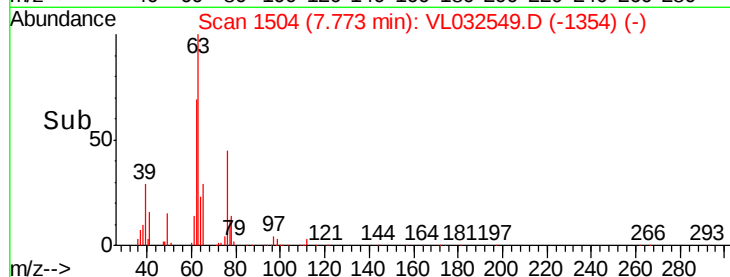
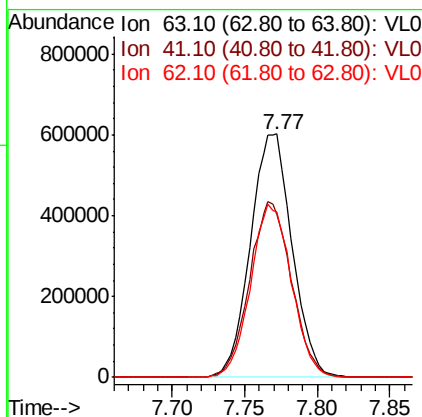
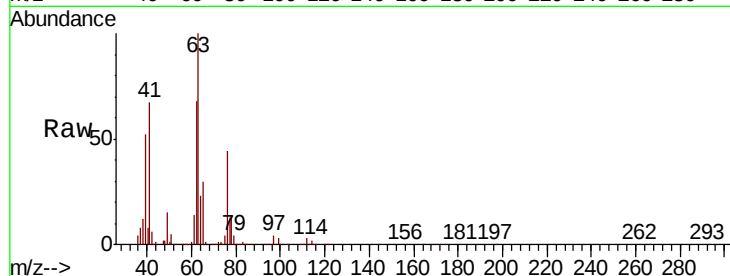
#39
 1,2-Dichloropropane
 Concen: 9.786 ppbv
 RT: 7.77 min Scan# 1504
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.1	55.4	83.0
62	68.2	55.4	83.0

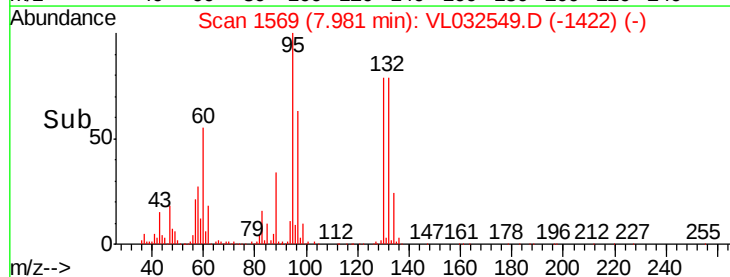
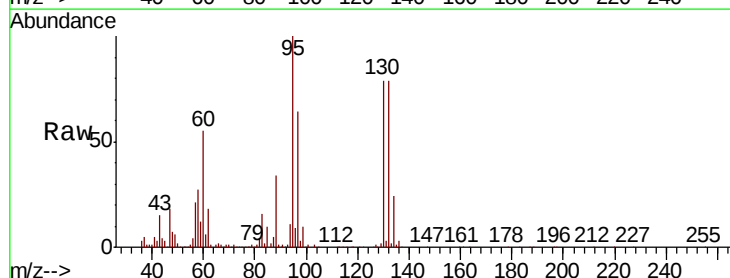
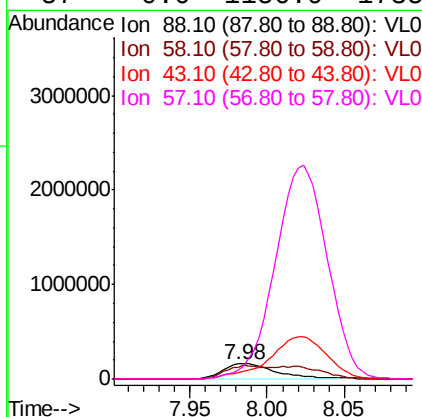
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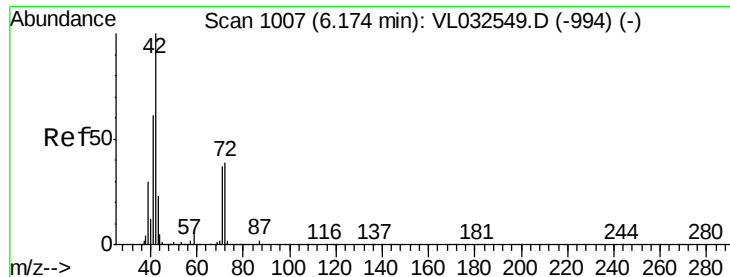
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#40
 1,4-Dioxane
 Concen: 9.947 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	147.6	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





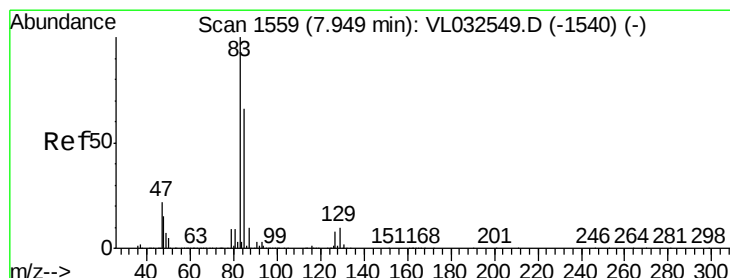
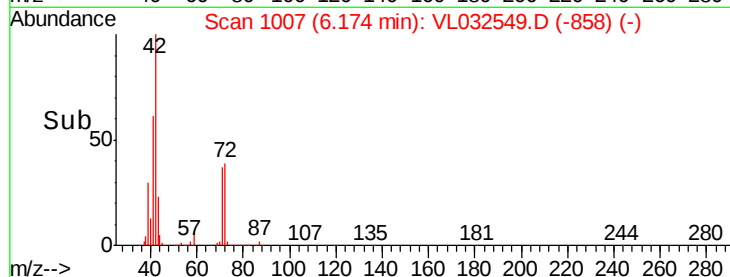
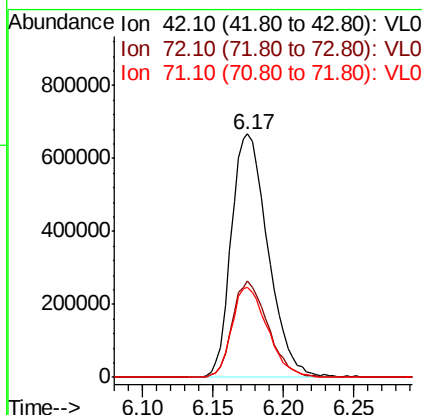
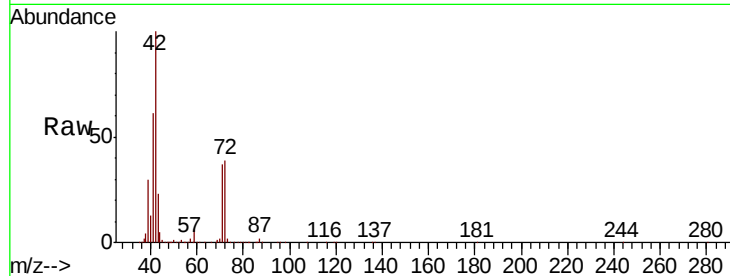
#41
Tetrahydrofuran
Concen: 11.129 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	29.5	44.3
71	36.2	28.3	42.5

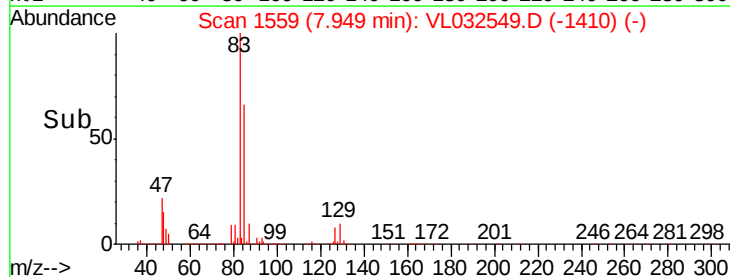
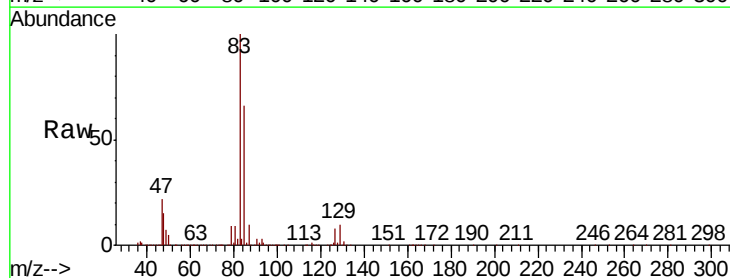
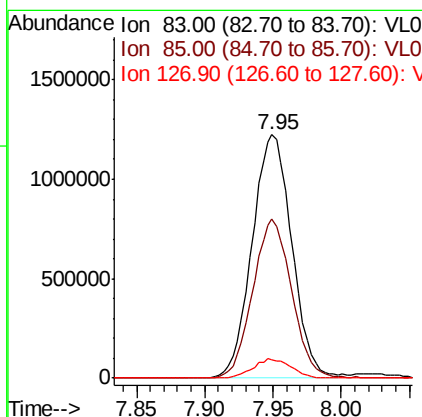
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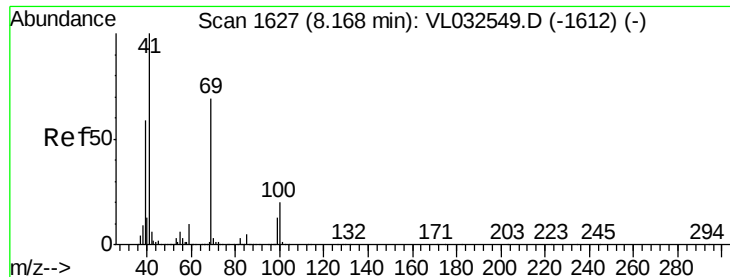
MMDadoda
10/1/2018 11:57:35 AM



#42
Bromodichloromethane
Concen: 9.993 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	7.7	5.8	8.8





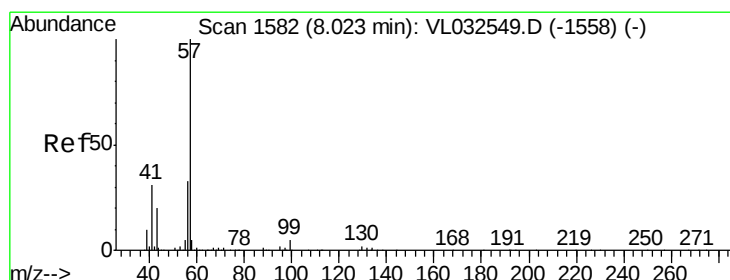
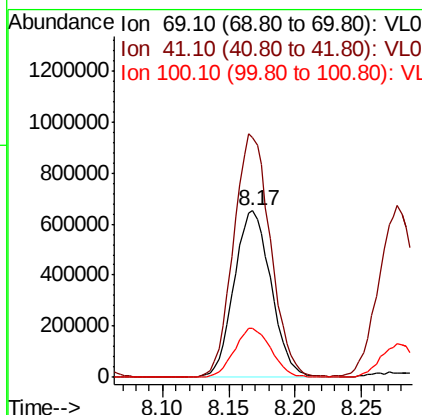
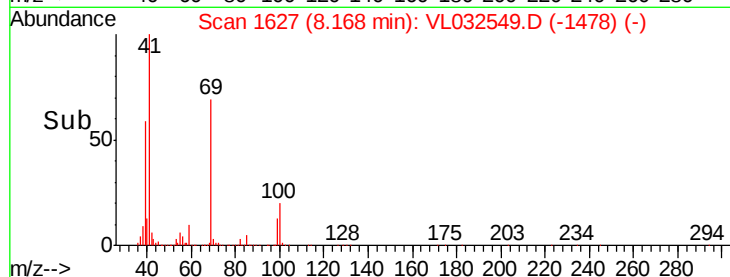
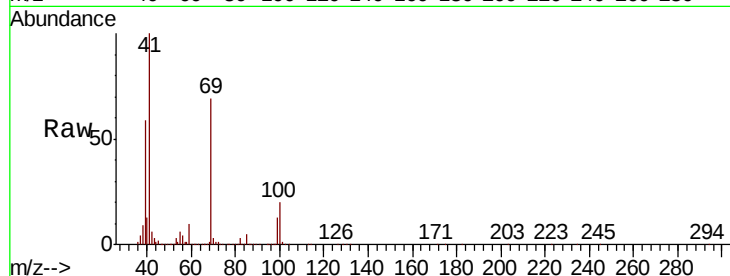
#43
Methvl Methacrylate
Concen: 11.027 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1261331
Ion Ratio Lower Upper
69 100
41 146.3 117.1 175.7
100 29.4 23.4 35.2

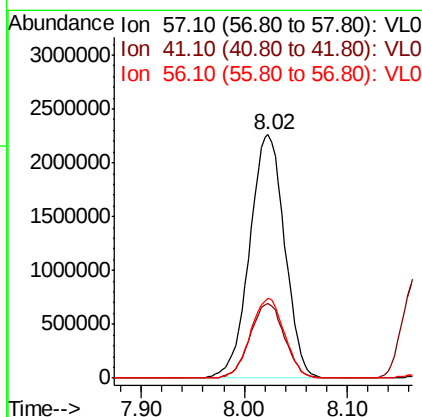
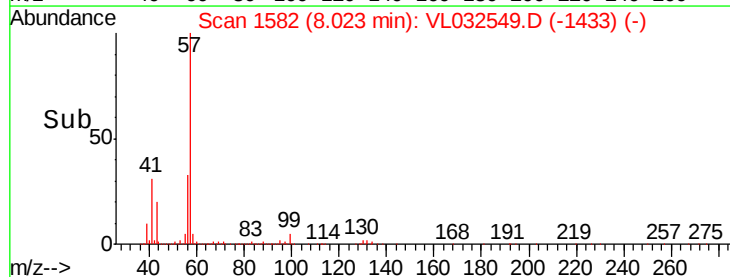
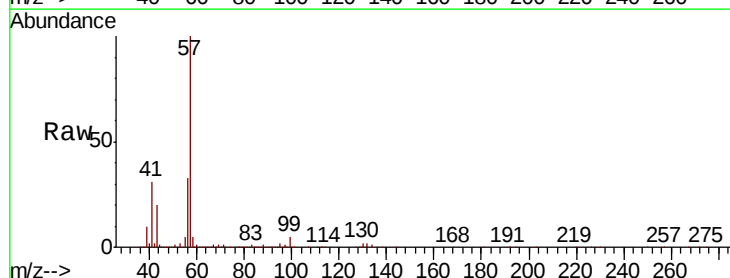
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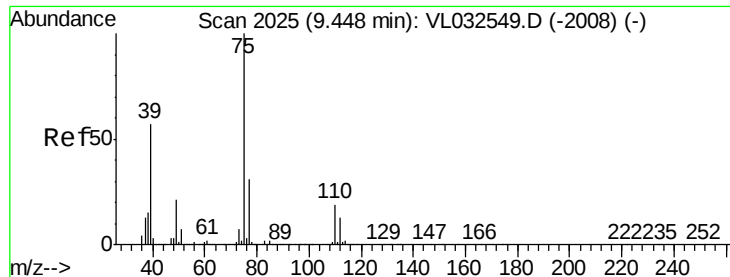
MMDadoda
10/1/2018 11:57:35 AM



#44
2,2,4-Trimethylpentane
Concen: 9.948 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 57 Resp: 5323773
Ion Ratio Lower Upper
57 100
41 30.3 24.4 36.6
56 31.8 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.074 ppbv

RT: 9.45 min Scan# 2025

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1575702

Ion Ratio Lower Upper

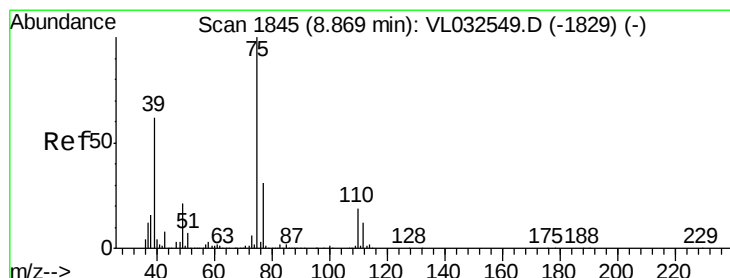
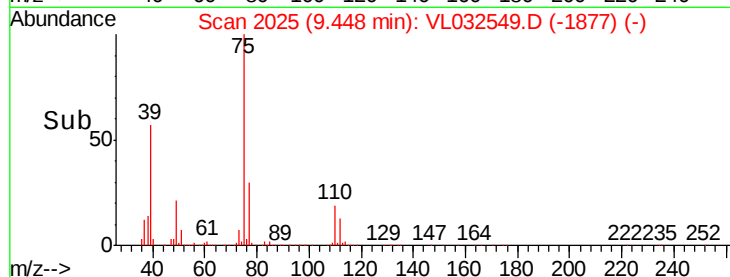
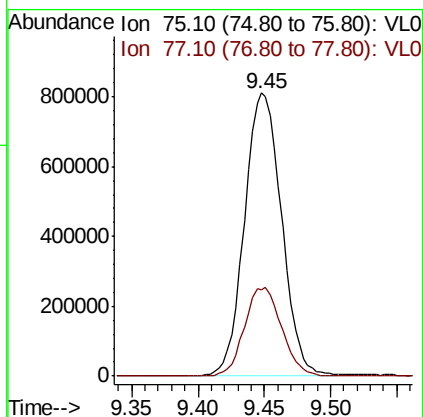
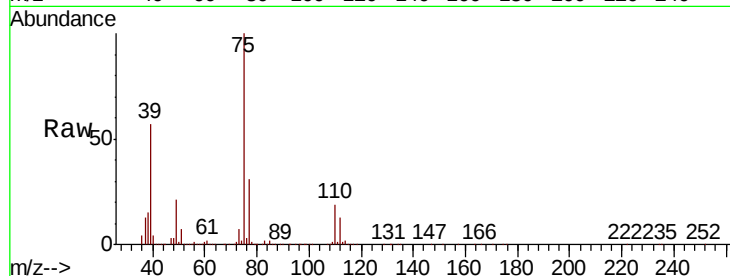
75 100

77 30.5 26.2 39.2

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10/1/2018 11:57:35 AM



#46

cis-1,3-Dichloropropene

Concen: 10.995 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

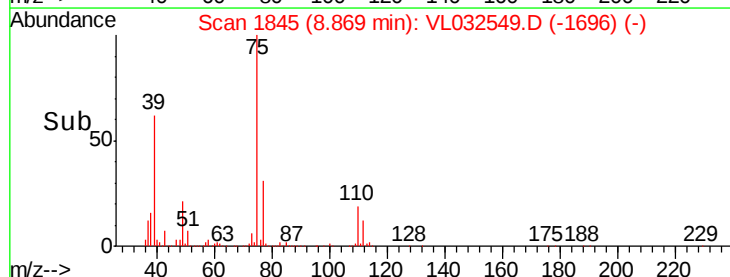
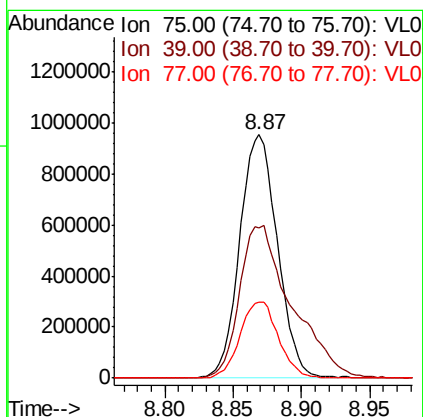
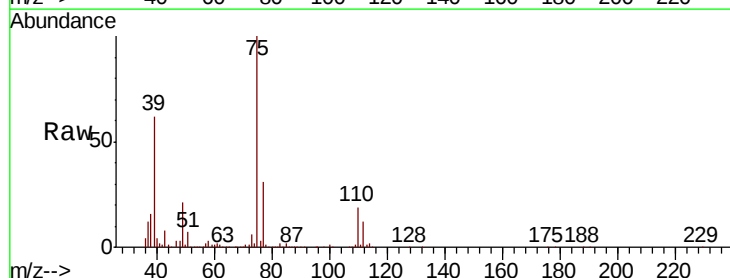
Tgt Ion: 75 Resp: 1835082

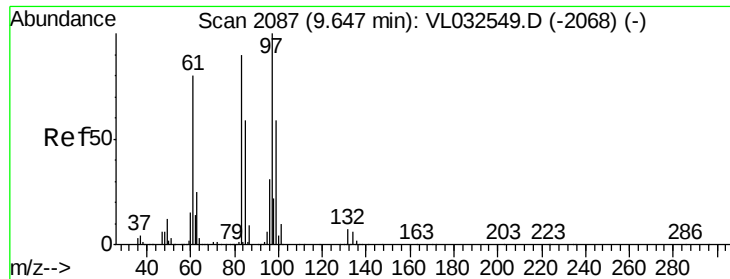
Ion Ratio Lower Upper

75 100

39 61.8 48.9 73.3

77 31.4 25.4 38.0





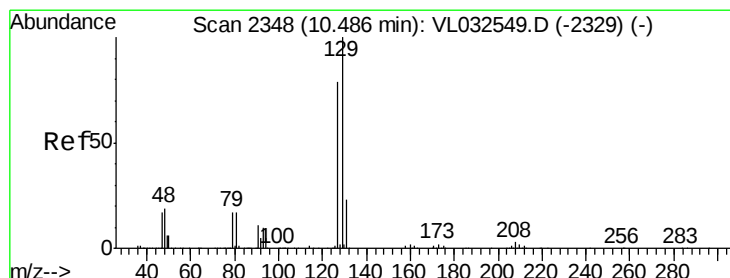
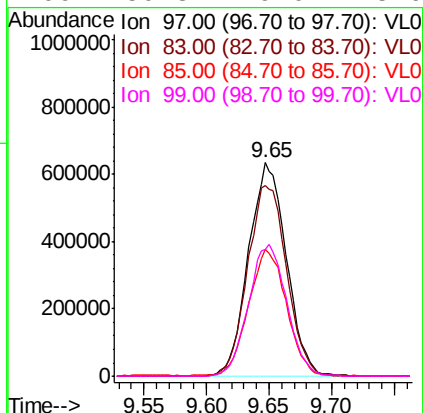
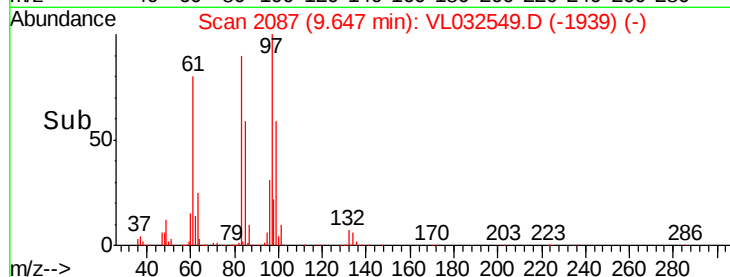
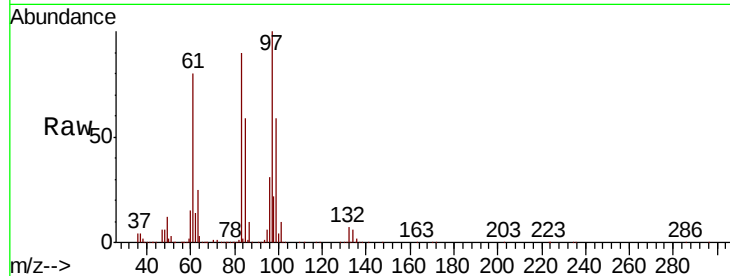
#47
 1,1,2-Trichloroethane
 Concen: 9.671 ppbv
 RT: 9.65 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.6	75.0	112.4	
85	58.8	47.5	71.3	
99	59.3	49.0	73.6	

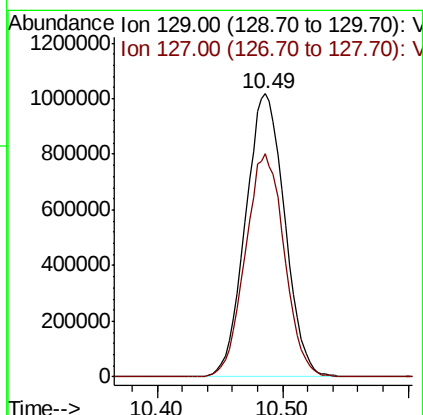
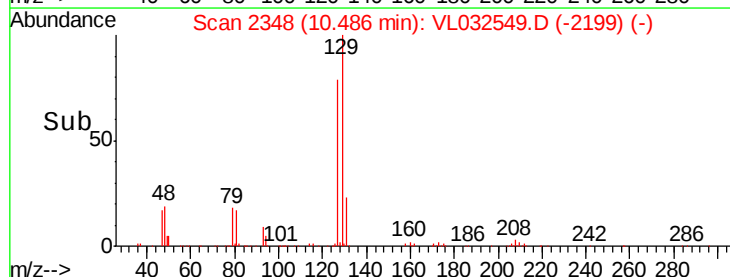
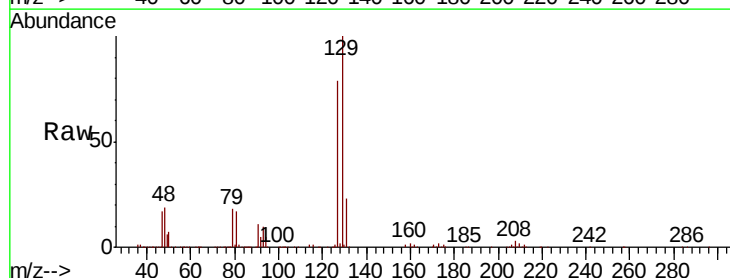
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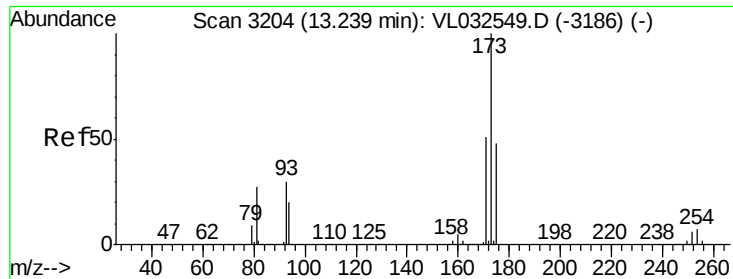
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 10/1/2018 11:57:35 AM



#48
 Dibromochloromethane
 Concen: 10.261 ppbv
 RT: 10.49 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.5	118.3	





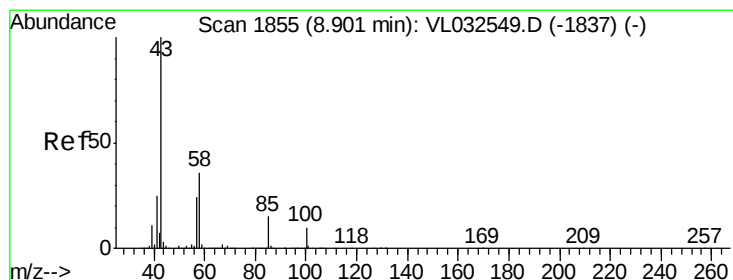
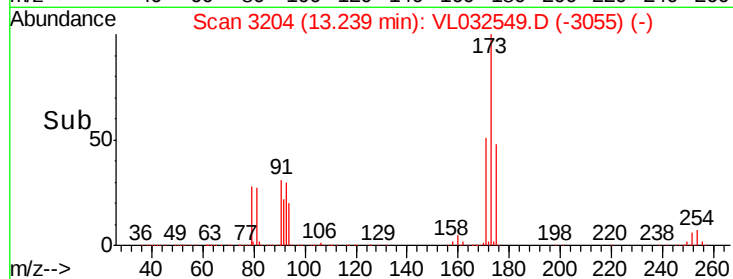
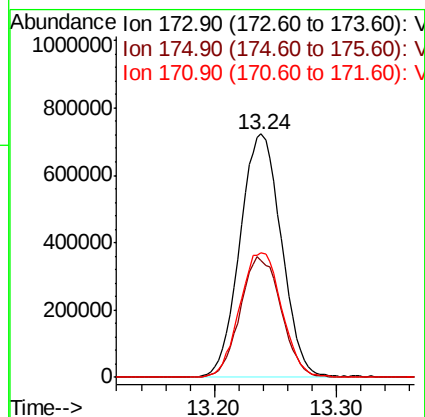
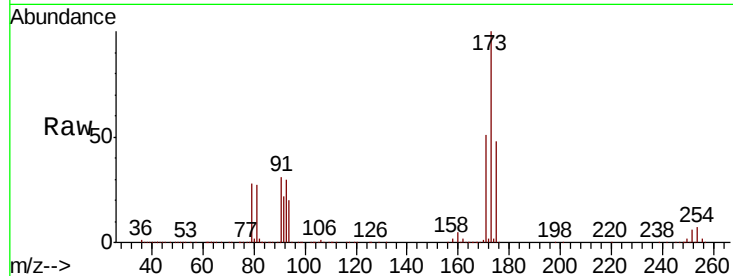
#49
Bromoform
Concen: 10.295 ppbv
RT: 13.24 min Scan# 3204
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1695338
Ion Ratio Lower Upper
173 100
175 49.1 38.9 58.3
171 52.0 41.6 62.4

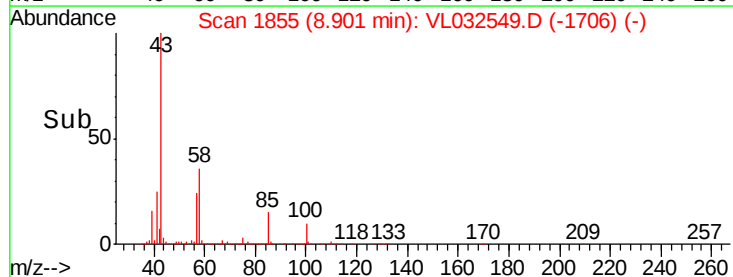
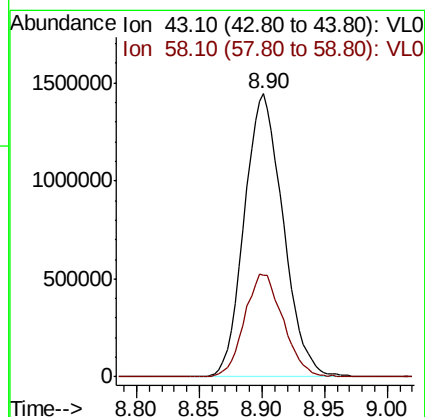
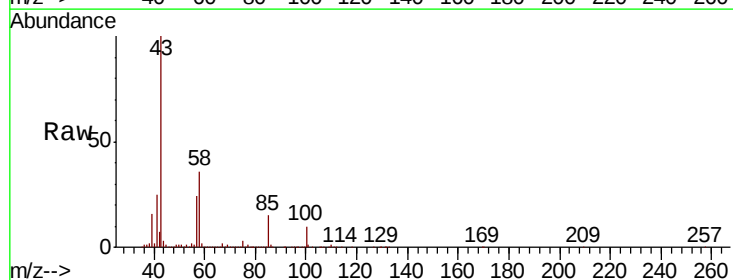
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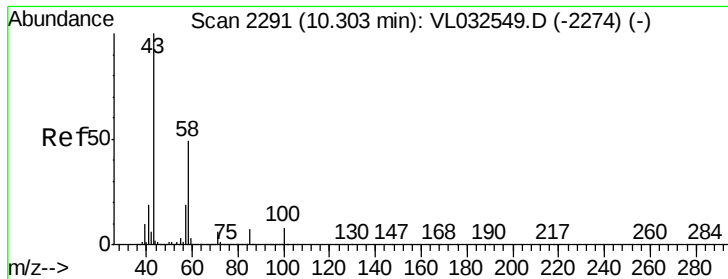
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#50
4-Methyl-2-Pentanone
Concen: 9.790 ppbv
RT: 8.90 min Scan# 1855
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 43 Resp: 3105079
Ion Ratio Lower Upper
43 100
58 36.4 29.0 43.4





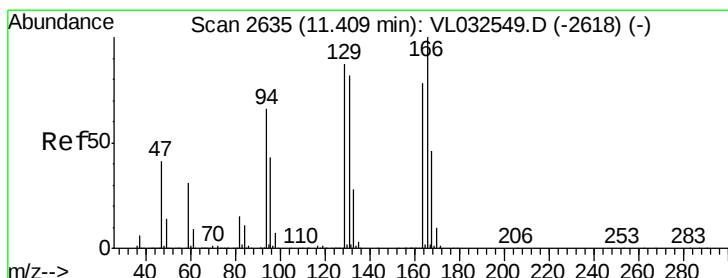
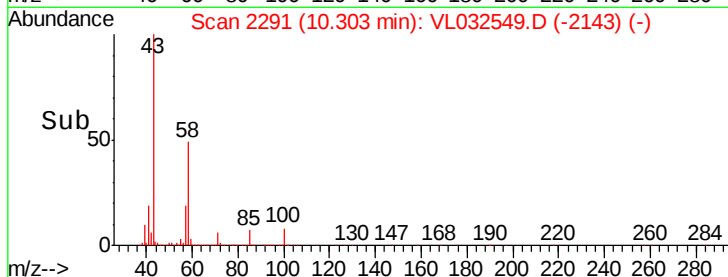
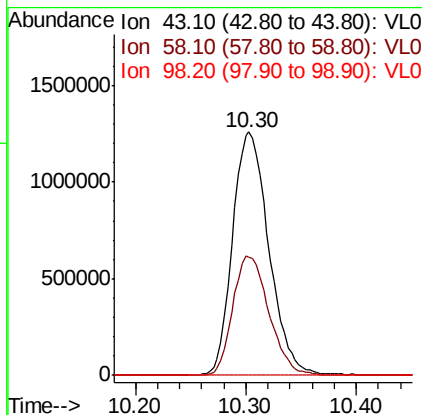
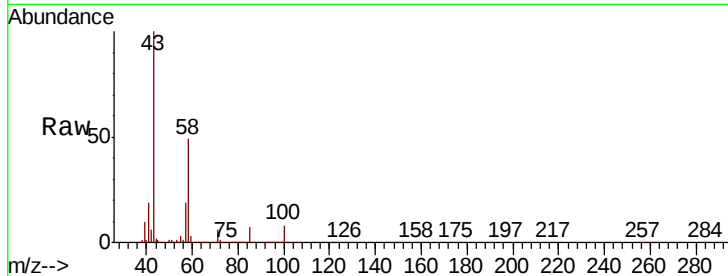
#51
2-Hexanone
Concen: 10.961 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2875106
Ion Ratio Lower Upper
43 100
58 49.2 39.2 58.8
98 0.5 0.4 0.6

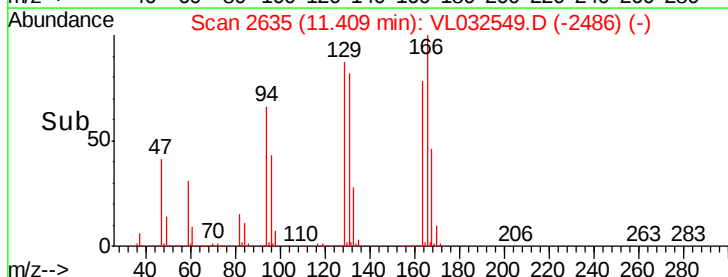
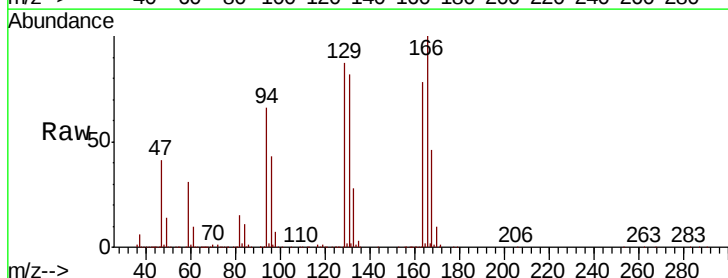
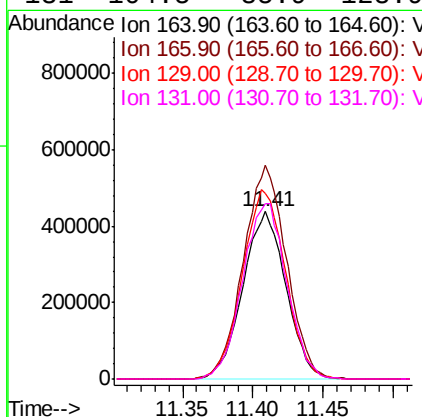
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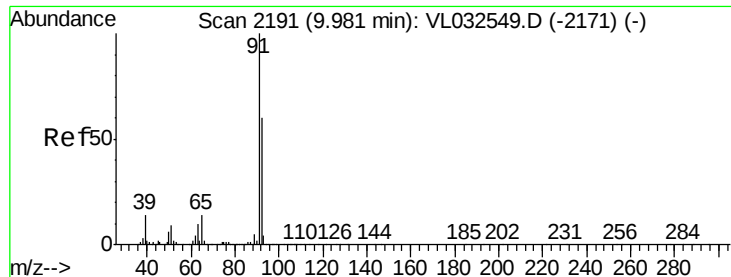
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10/1/2018 11:57:35 AM



#52
Tetrachloroethene
Concen: 9.821 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 164 Resp: 936308
Ion Ratio Lower Upper
164 100
166 127.5 100.6 150.8
129 111.0 89.9 134.9
131 104.5 85.9 128.9





#53

Toluene

Concen: 11.143 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3718110

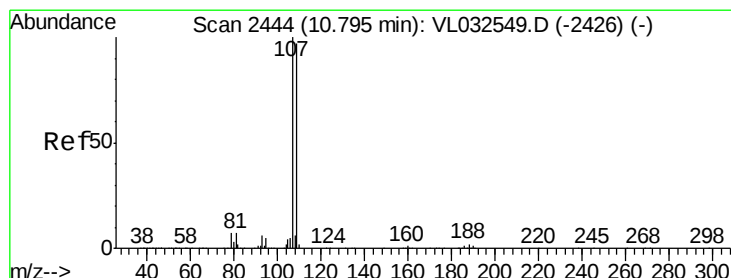
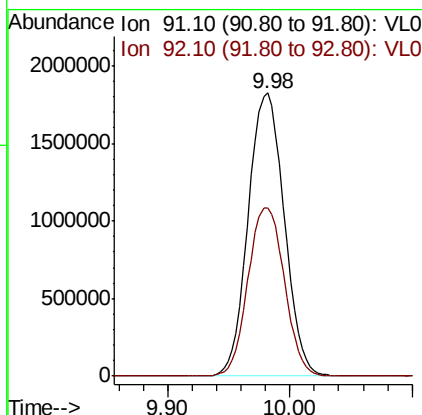
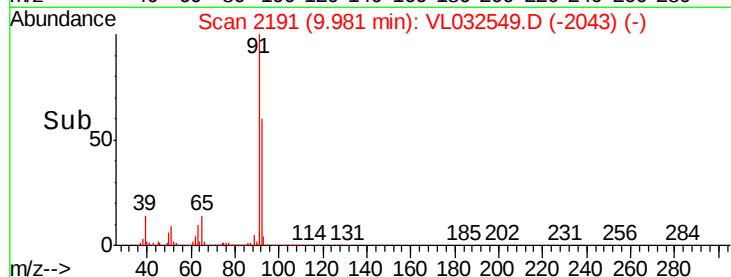
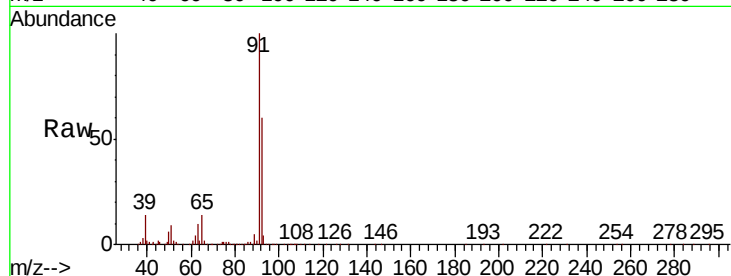
Ion Ratio Lower Upper

91 100

92 60.2 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.422 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032549.D

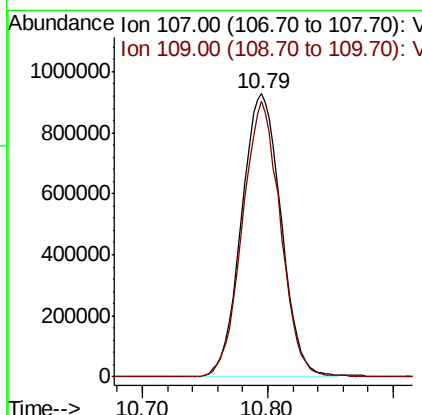
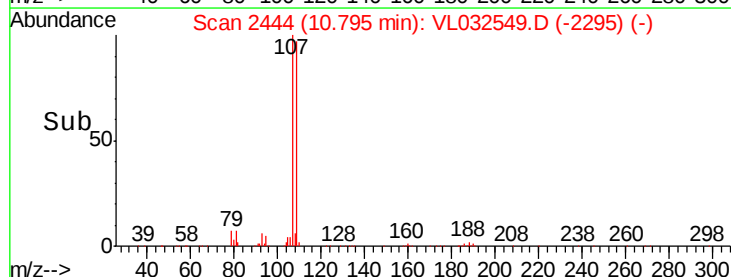
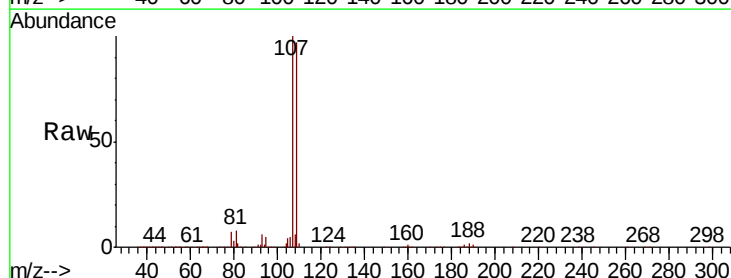
Acq: 27 Sep 2018 13:10

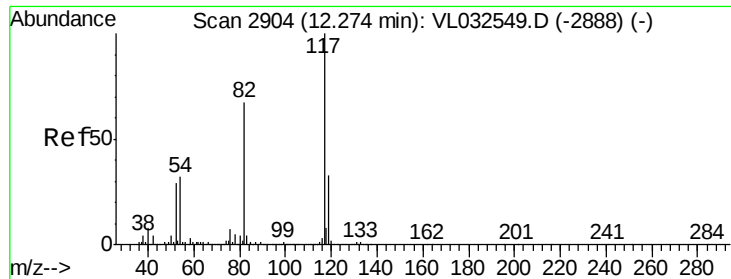
Tgt Ion: 107 Resp: 2031657

Ion Ratio Lower Upper

107 100

109 97.3 73.9 110.9





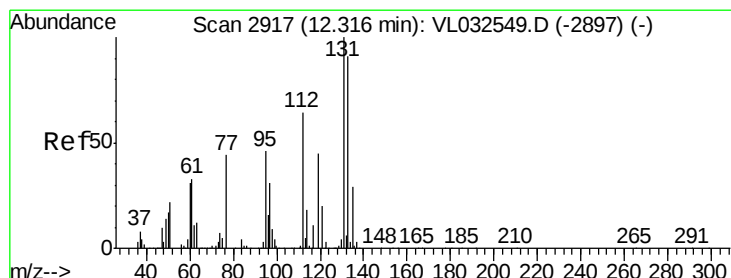
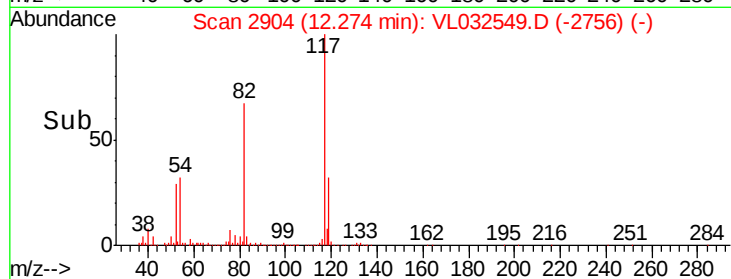
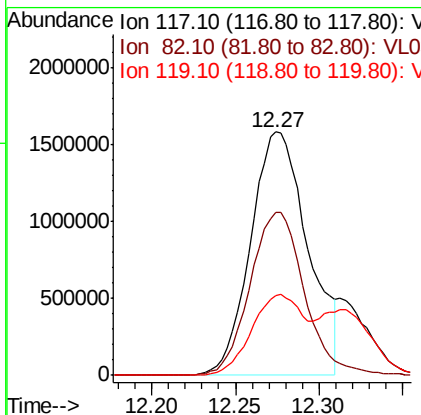
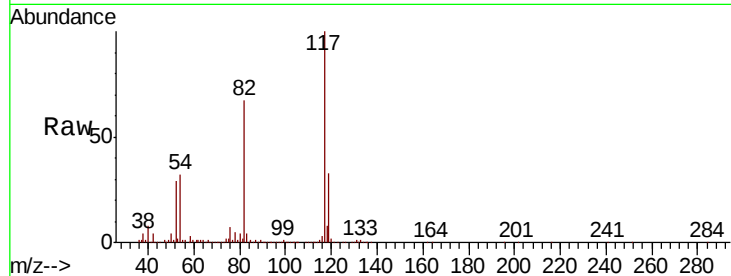
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3777593
Ion Ratio Lower Upper
117 100
82 63.9 53.0 79.6
119 32.7 45.9 68.9#

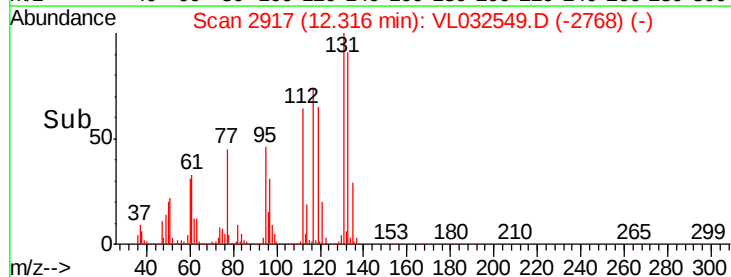
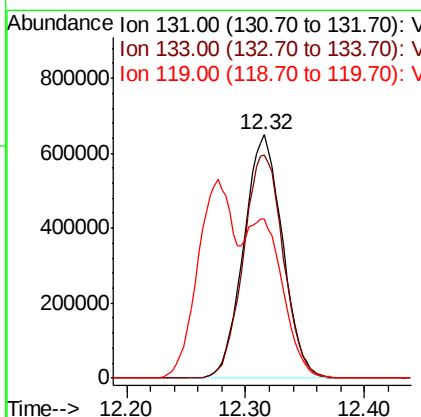
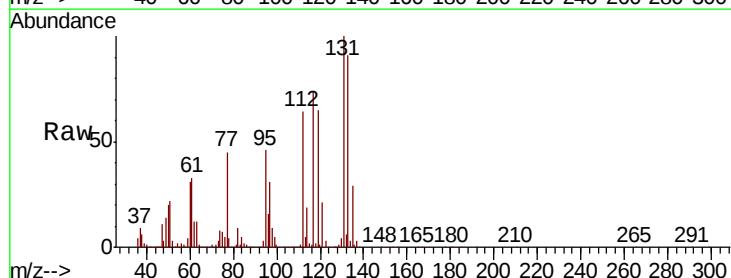
Manual Integrations
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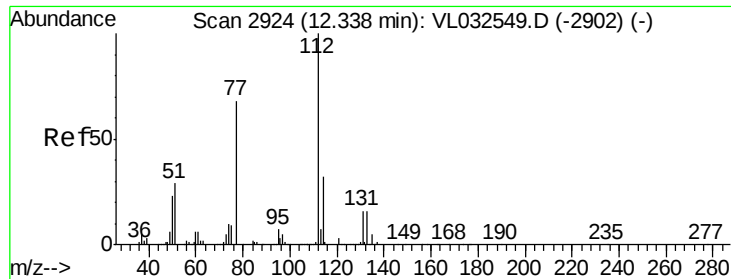
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.627 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:131 Resp: 1464947
Ion Ratio Lower Upper
131 100
133 94.6 77.0 115.4
119 61.8 114.2 171.2#





#57

Chlorobenzene

Concen: 8.450 ppbv

RT: 12.34 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDC010

Tot Ion: 112 Resp: 2571272

Ion Ratio Lower Upper

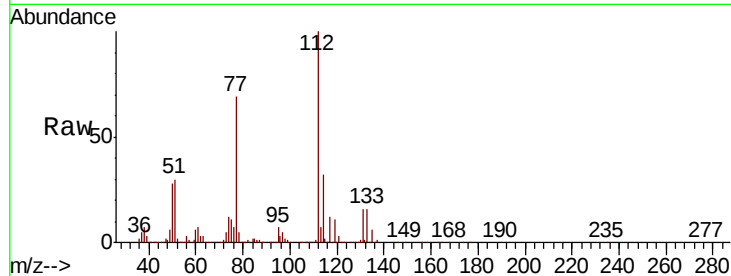
112 100

77 69.2 56.1 84.1

114 32.5 27.8 34.0

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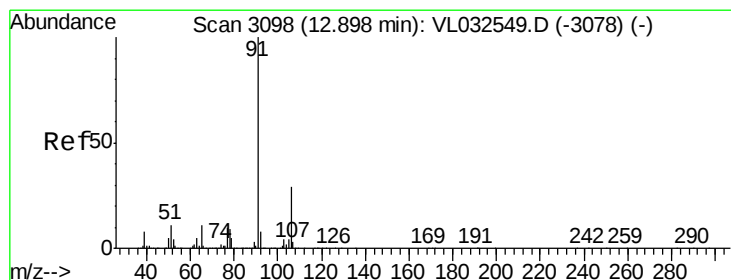
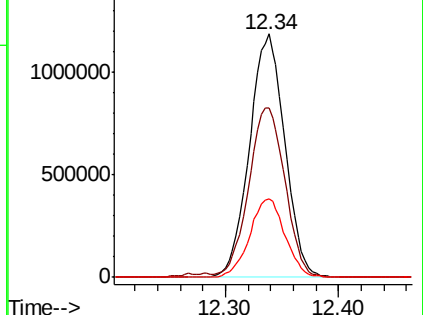
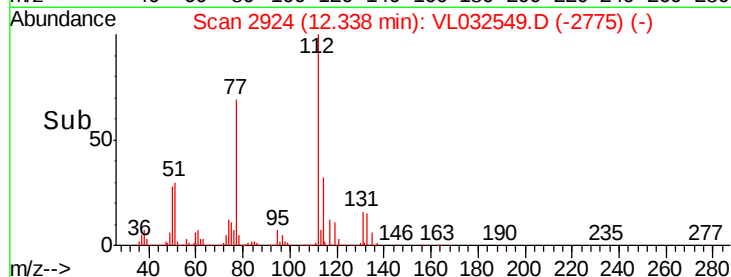
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.099 ppbv

RT: 12.90 min Scan# 3098

Delta R.T. -0.02 min

Lab File: VL032549.D

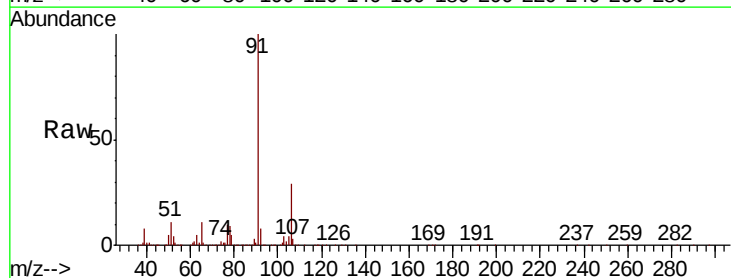
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 4627474

Ion Ratio Lower Upper

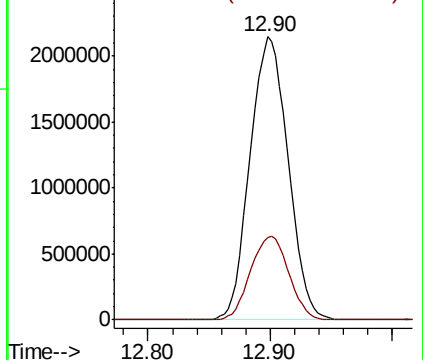
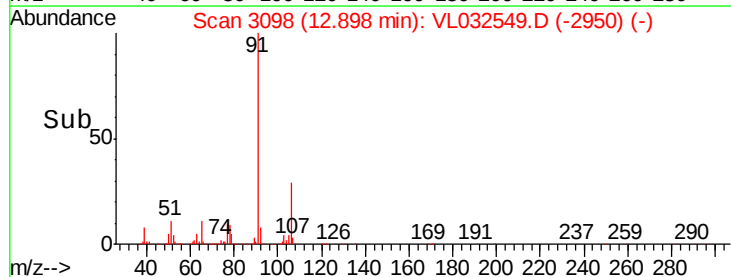
91 100

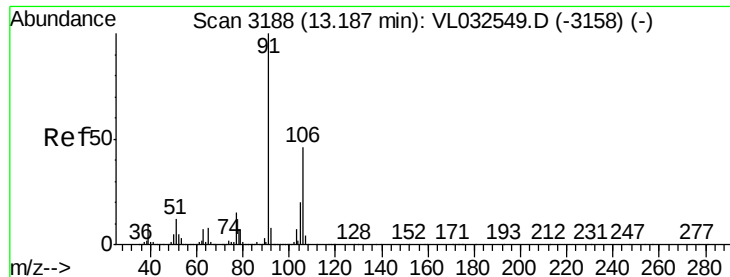
106 28.9 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 18.713 ppbv m

RT: 13.19 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 7629333

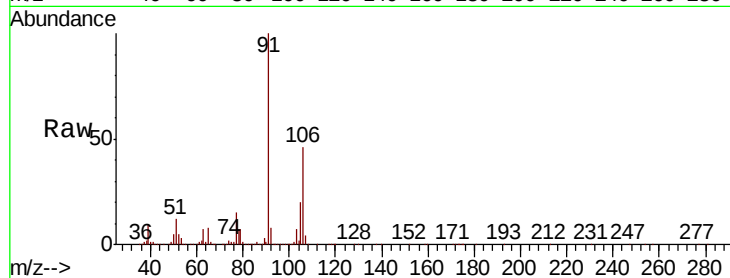
Ion Ratio Lower Upper

91 100

106 45.3 36.6 55.0

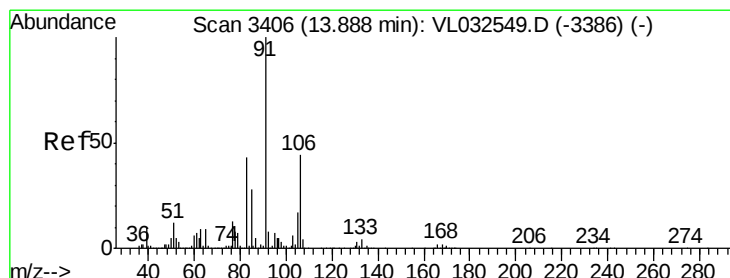
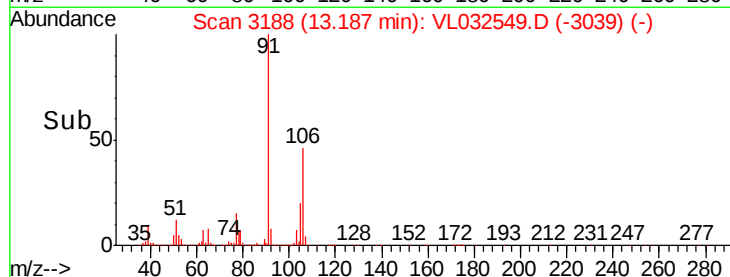
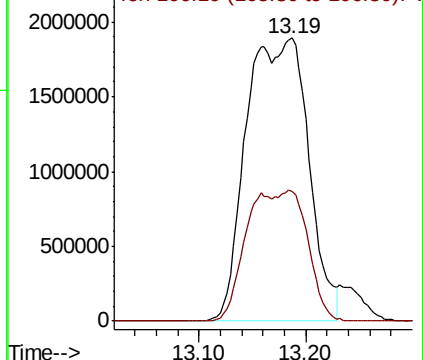
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.415 ppbv

RT: 13.89 min Scan# 3406

Delta R.T. -0.02 min

Lab File: VL032549.D

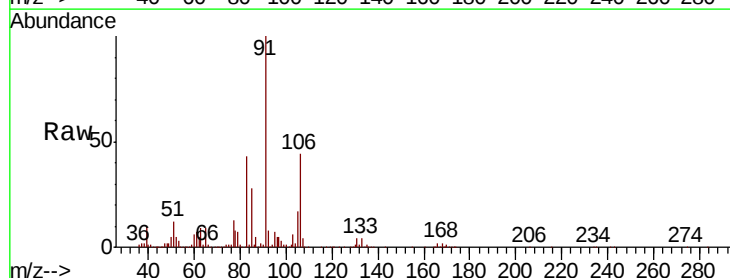
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 3737174

Ion Ratio Lower Upper

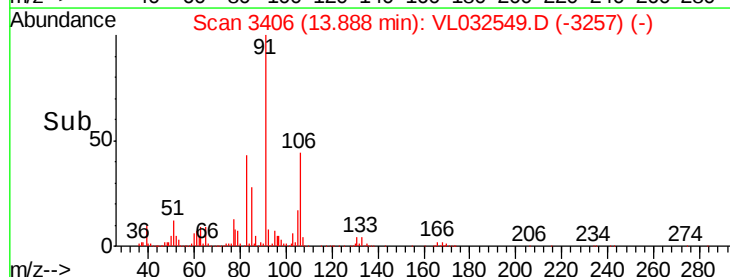
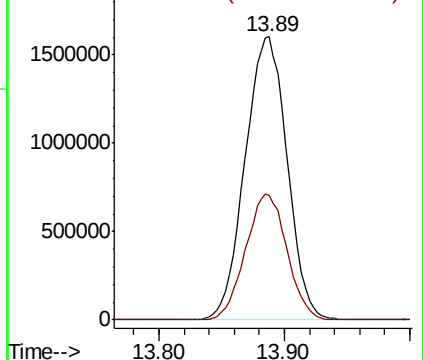
91 100

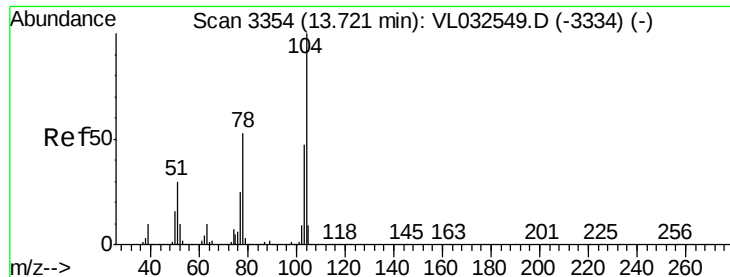
106 43.8 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





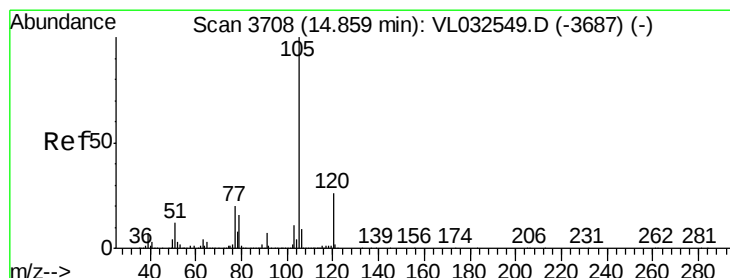
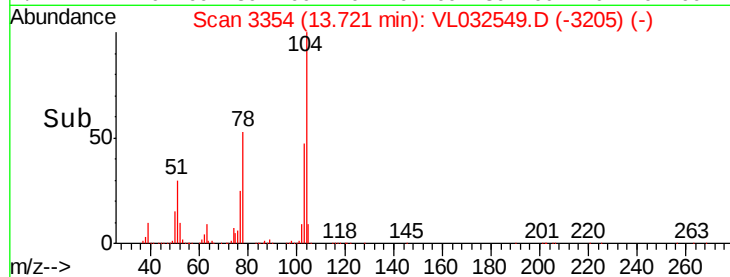
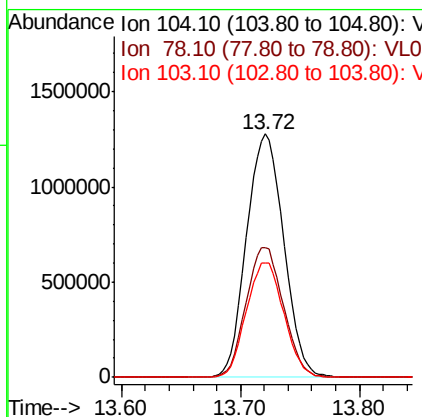
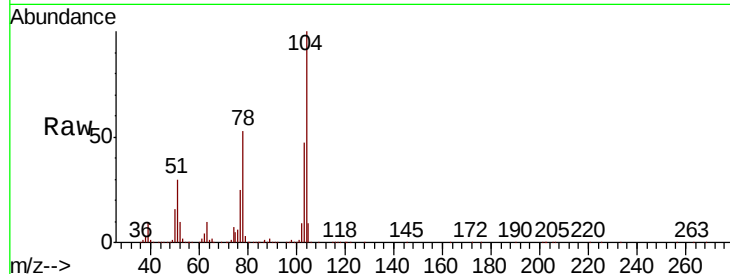
#61
Stvrene
Concen: 10.672 ppbv
RT: 13.72 min Scan# 3354
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 2770948
Ion Ratio Lower Upper
104 100
78 53.7 41.8 62.8
103 47.6 38.0 57.0

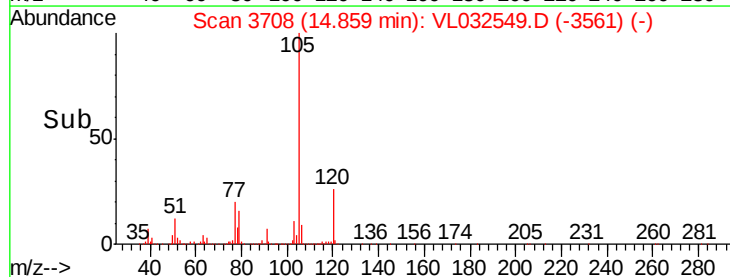
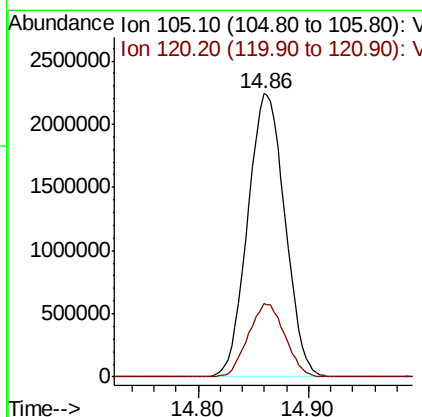
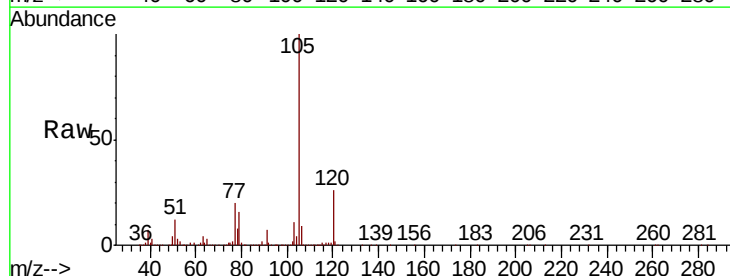
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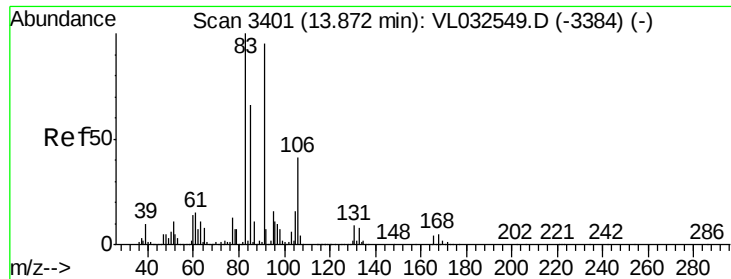
MMDadoda
10/1/2018 11:57:35 AM



#62
Isopropylbenzene
Concen: 9.344 ppbv
RT: 14.86 min Scan# 3708
Delta R.T. -0.03 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:105 Resp: 5245432
Ion Ratio Lower Upper
105 100
120 25.4 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.982 ppbv

RT: 13.87 min Scan# 3401

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2814923

Ion Ratio Lower Upper

83 100

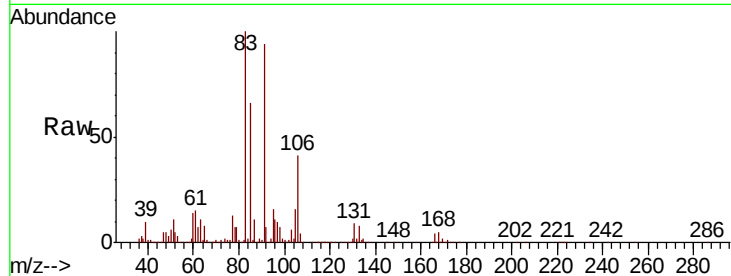
131 8.3 4.3 12.8

85 64.7 32.3 96.8

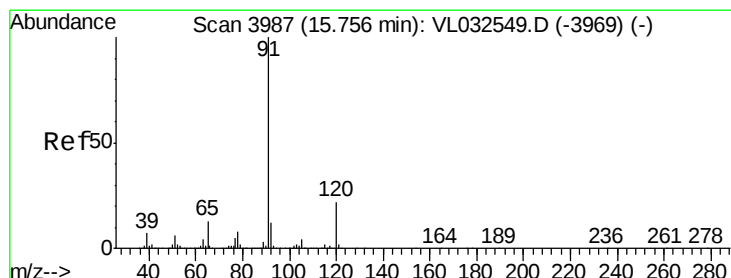
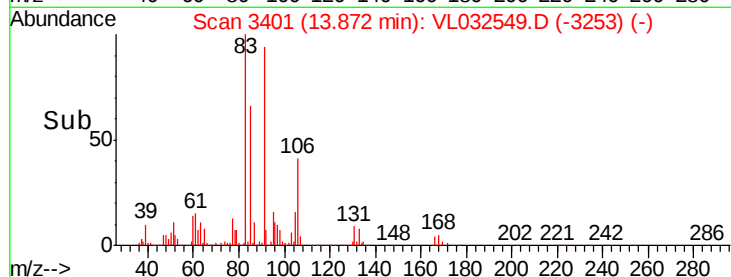
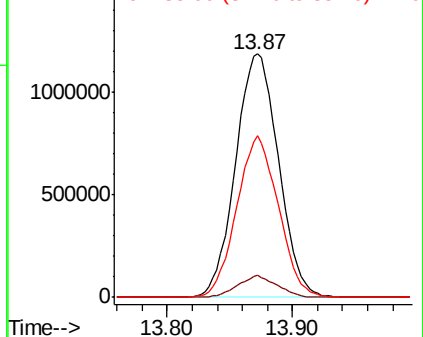
Manual Integrations
APPROVED

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10/1/2018 11:57:35 AM



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



#64

n-propylbenzene

Concen: 9.321 ppbv

RT: 15.76 min Scan# 3987

Delta R.T. -0.02 min

Lab File: VL032549.D

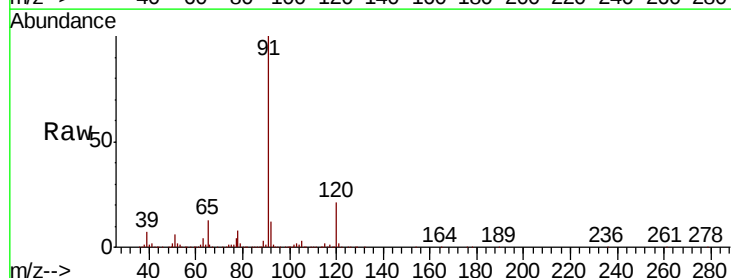
Acq: 27 Sep 2018 13:10

Tgt Ion: 120 Resp: 1344165

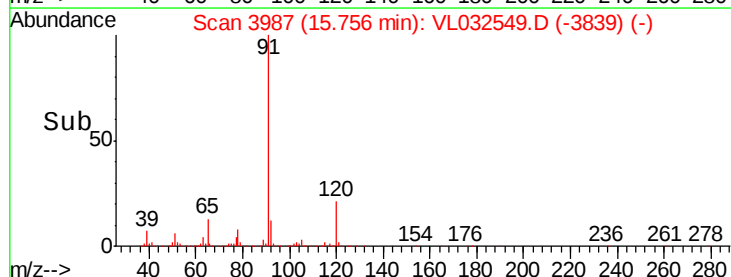
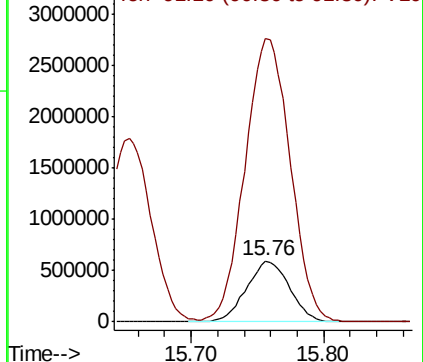
Ion Ratio Lower Upper

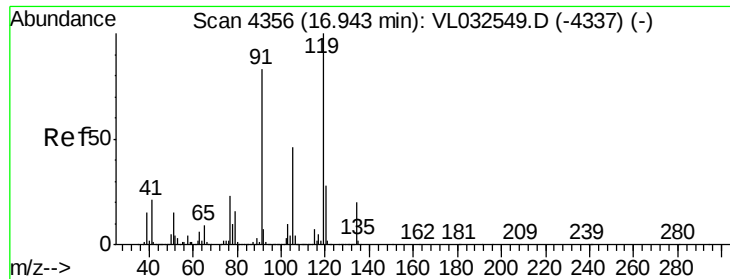
120 100

91 487.7 381.8 572.6



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





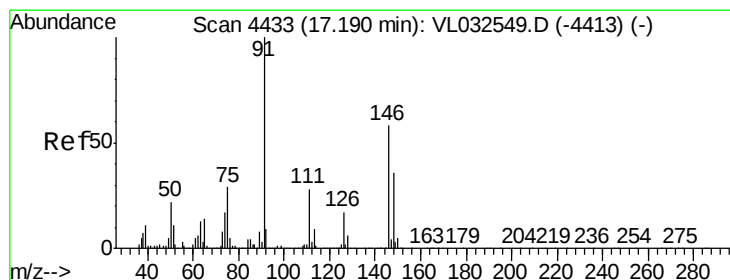
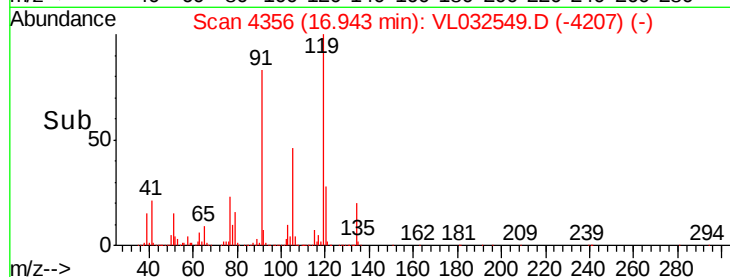
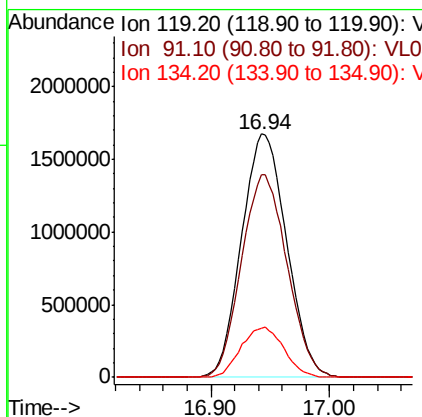
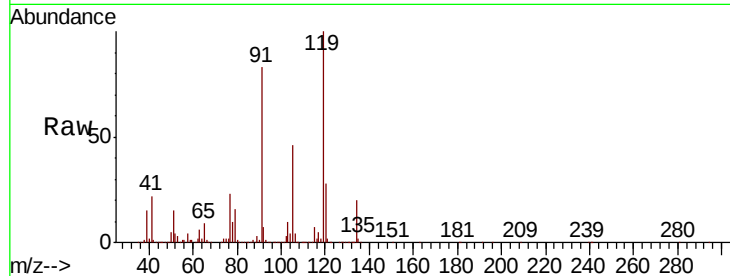
#65
tert-Butylbenzene
Concen: 9.106 ppbv
RT: 16.94 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 4381372
Ion Ratio Lower Upper
119 100
91 84.5 66.5 99.7
134 19.7 16.0 24.0

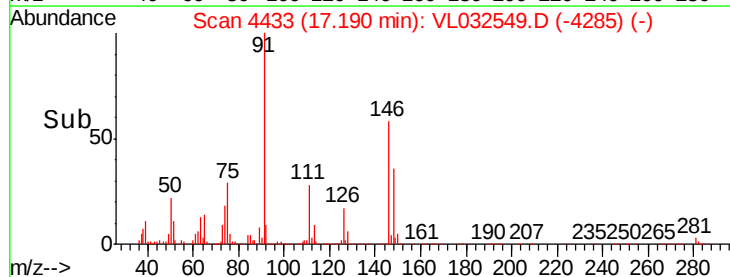
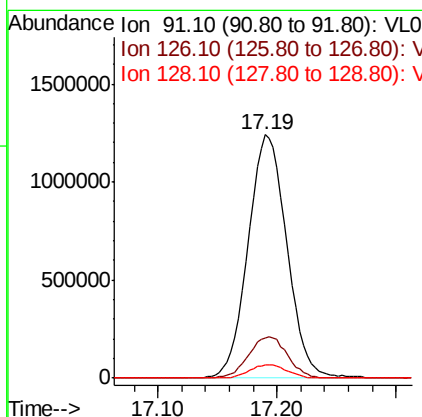
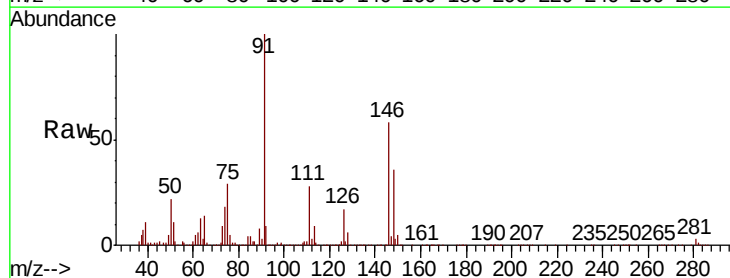
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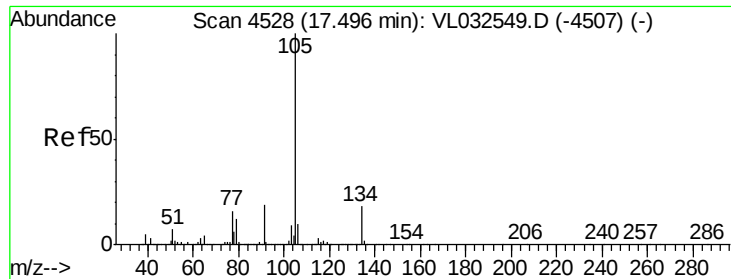
MMDadoda
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#66
Benzyl Chloride
Concen: 10.065 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion: 91 Resp: 2791182
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.8
128 5.5 4.4 6.6





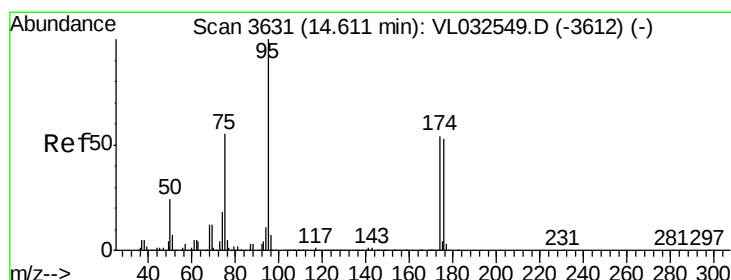
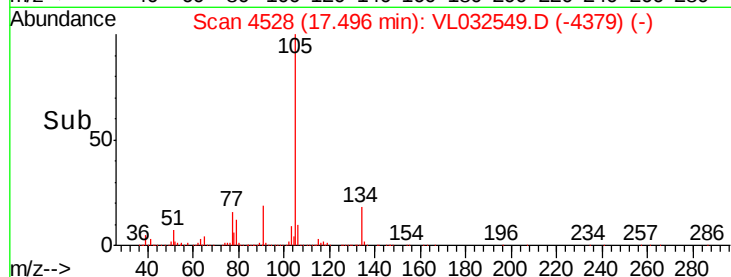
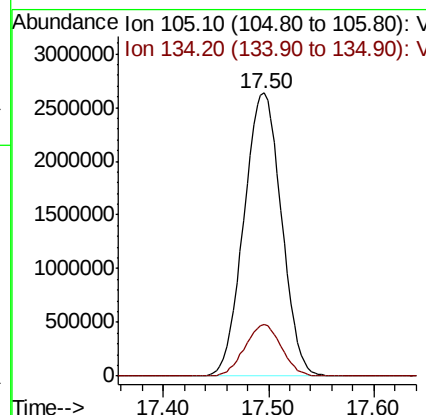
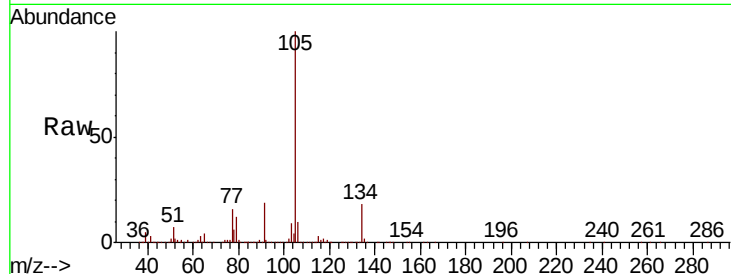
#67
 sec-Butylbenzene
 Concen: 9.120 ppbv
 RT: 17.50 min Scan# 4528
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 6524267
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.4 21.6

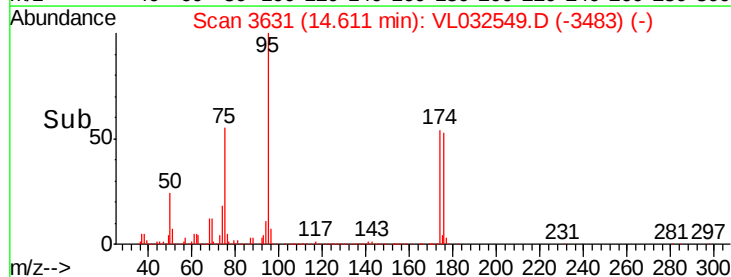
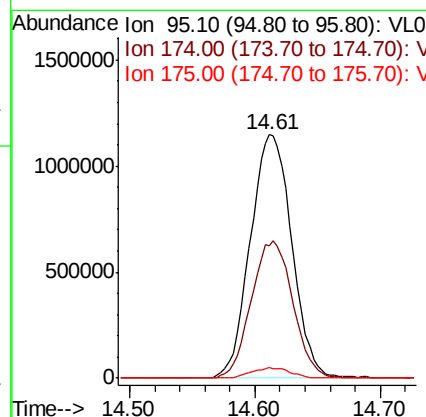
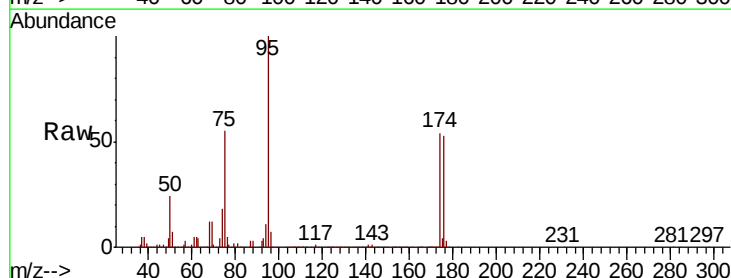
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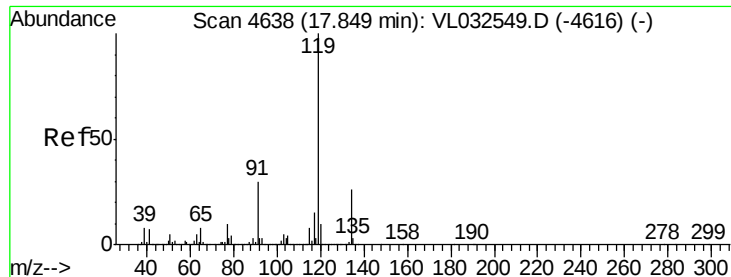
MMDadoda
 10/1/2018 11:57:35 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.240 ppbv
 RT: 14.61 min Scan# 3631
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion: 95 Resp: 2632227
 Ion Ratio Lower Upper
 95 100
 174 56.9 46.3 69.5
 175 4.1 3.4 5.0





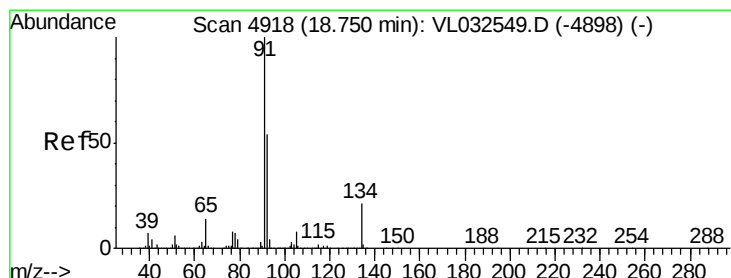
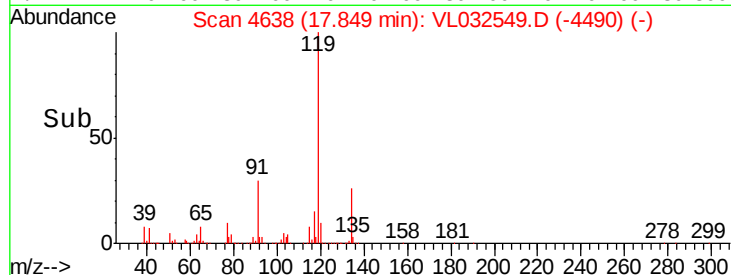
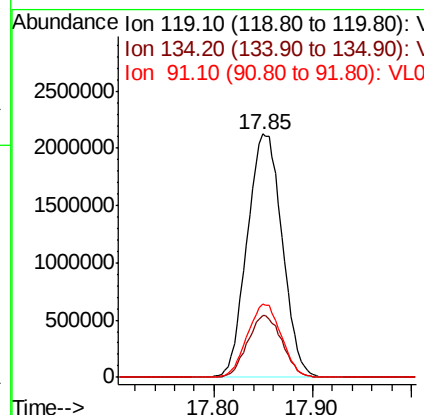
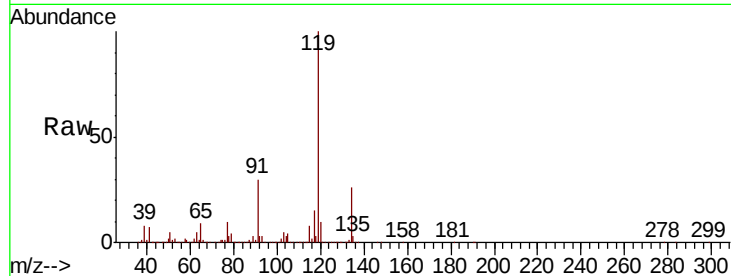
#69
 p-Isopropyltoluene
 Concen: 9.434 ppbv
 RT: 17.85 min Scan# 4638
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.5	23.4	35.2

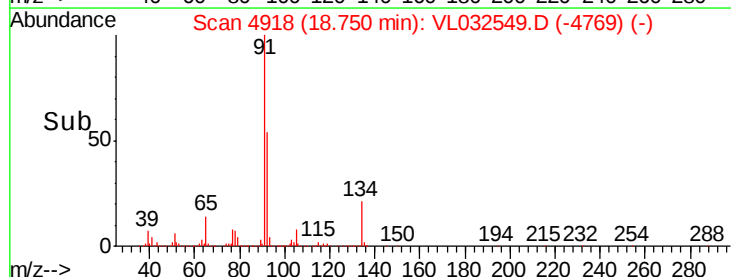
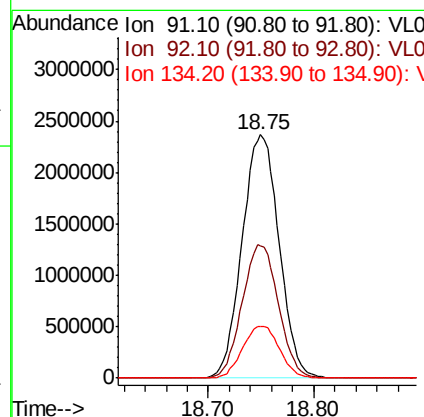
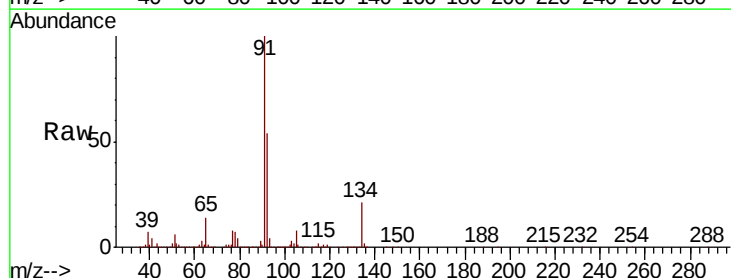
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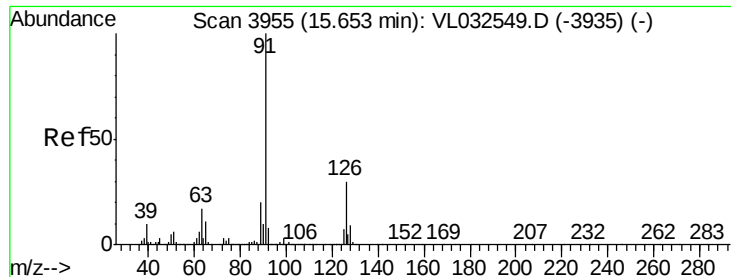
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.529 ppbv
 RT: 18.75 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	21.5	17.4	26.0





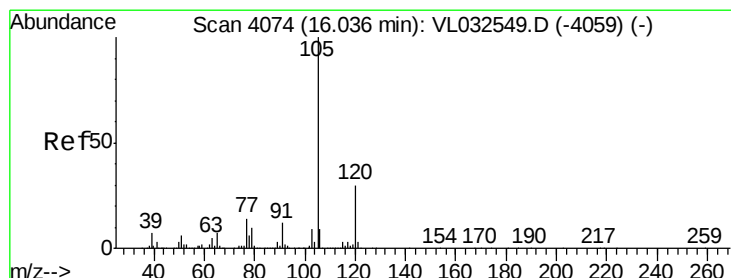
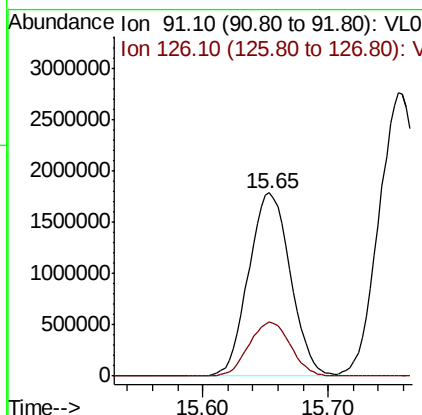
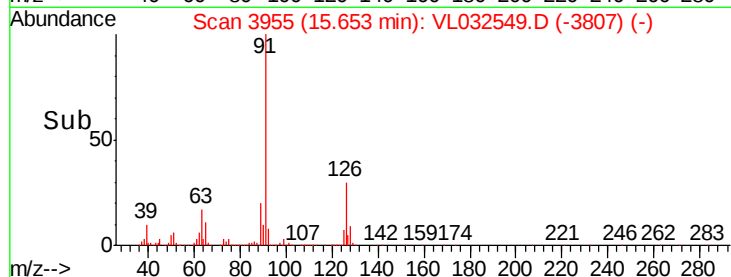
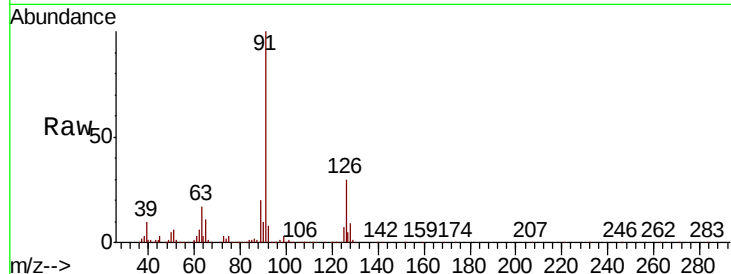
#71
2-Chlorotoluene
Concen: 9.713 ppbv
RT: 15.65 min Scan# 3955
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4152669
Ion Ratio Lower Upper
91 100
126 29.5 11.9 47.7

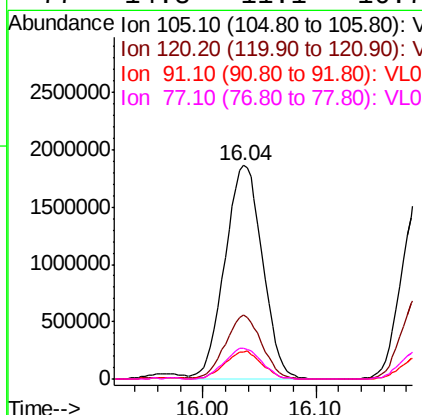
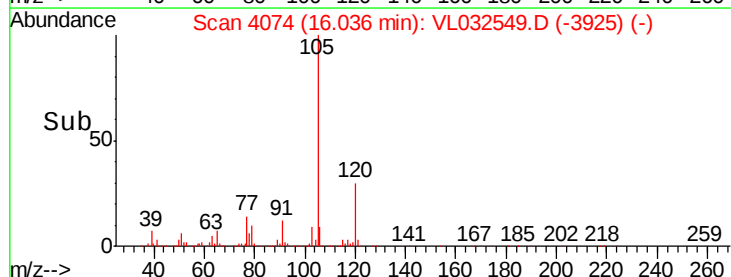
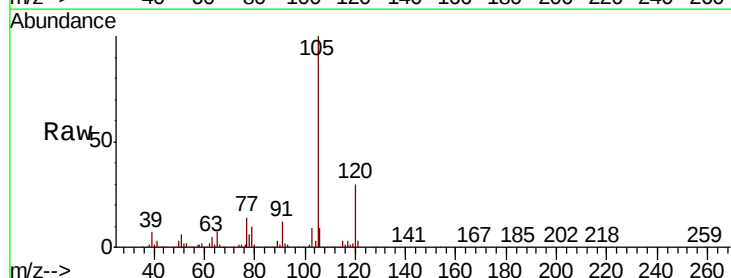
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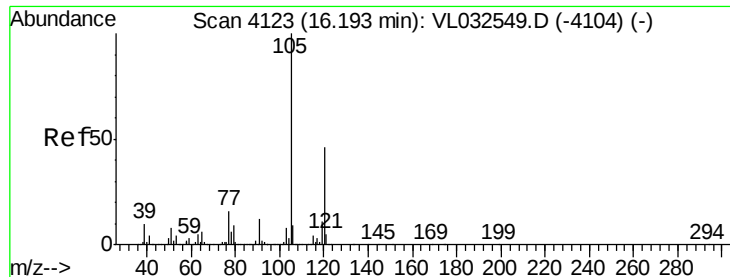
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.990 ppbv
RT: 16.04 min Scan# 4074
Delta R.T. -0.02 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:105 Resp: 4304183
Ion Ratio Lower Upper
105 100
120 28.9 23.5 35.3
91 12.8 10.2 15.2
77 14.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.794 ppbv

RT: 16.19 min Scan# 4123

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4100685

Ion Ratio Lower Upper

105 100

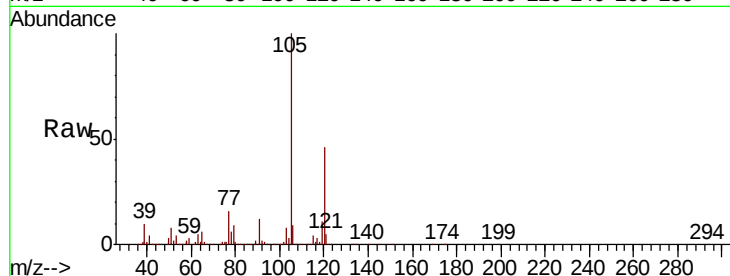
120 46.4 37.9 56.9

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

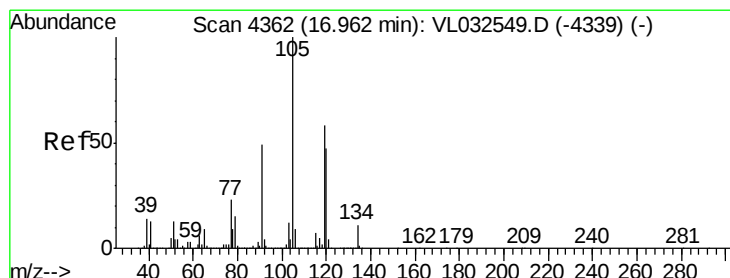
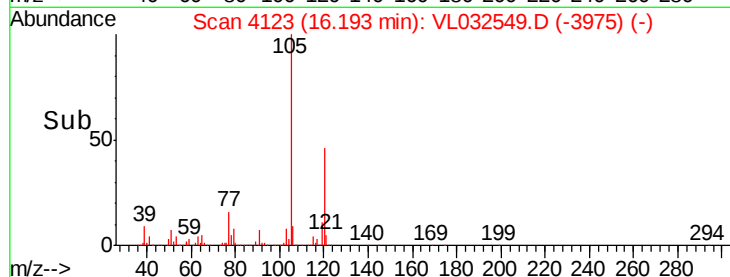
1000000

500000

0

16.10 16.20 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.190 ppbv

RT: 16.96 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Tgt Ion:105 Resp: 4142944

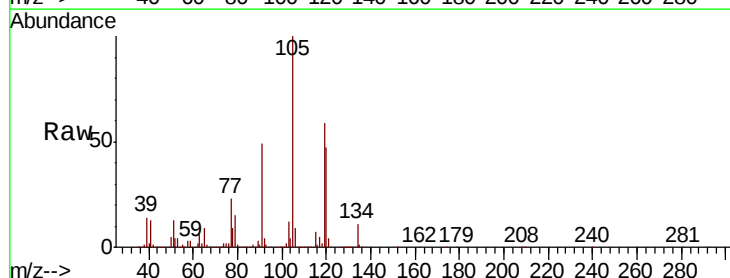
Ion Ratio Lower Upper

105 100

120 47.1 37.8 56.8

91 48.6 41.4 62.0

77 23.0 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

2500000

2000000

1500000

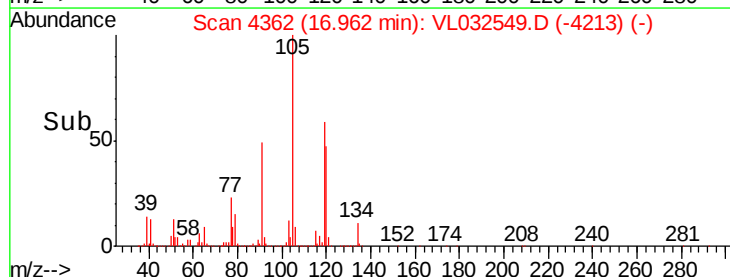
1000000

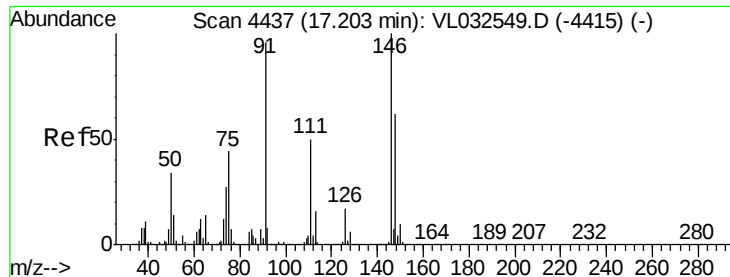
500000

0

16.90 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.345 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2321428

Ion Ratio Lower Upper

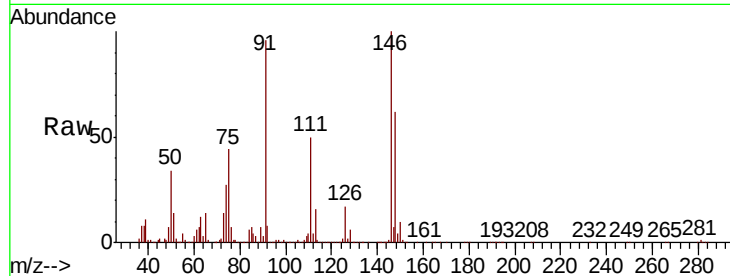
146 100

111 49.2 24.5 73.5

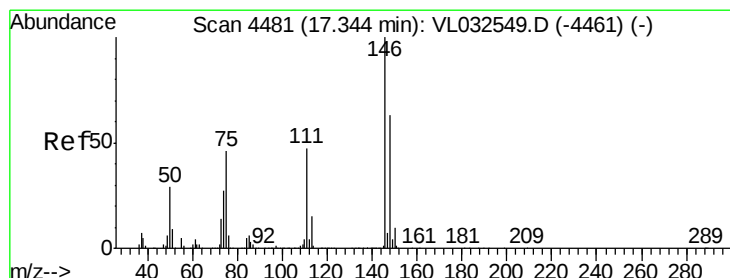
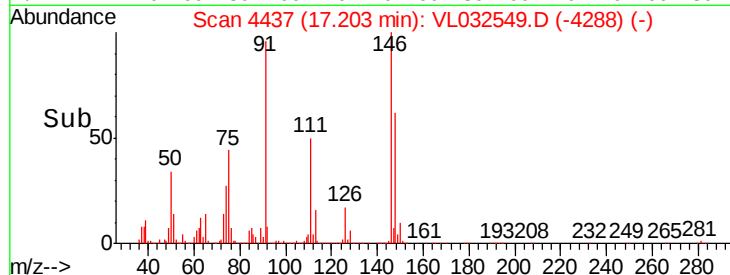
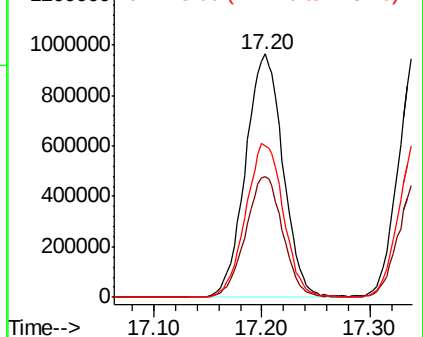
148 63.8 32.0 96.2

Manual Integrations
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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



#76

1,4-Dichlorobenzene

Concen: 9.119 ppbv

RT: 17.34 min Scan# 4481

Delta R.T. -0.02 min

Lab File: VL032549.D

Acq: 27 Sep 2018 13:10

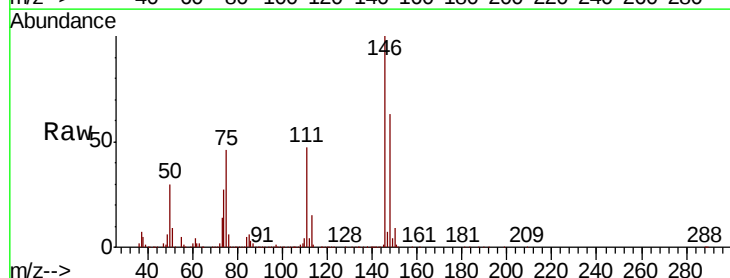
Tgt Ion:146 Resp: 2322658

Ion Ratio Lower Upper

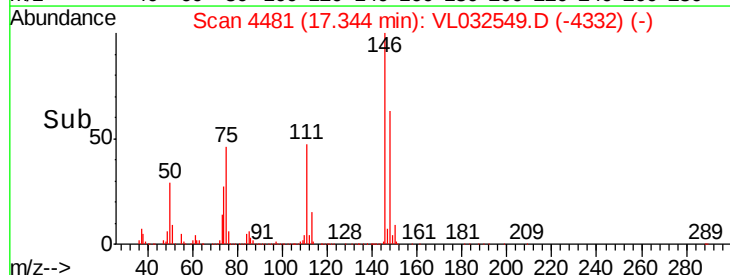
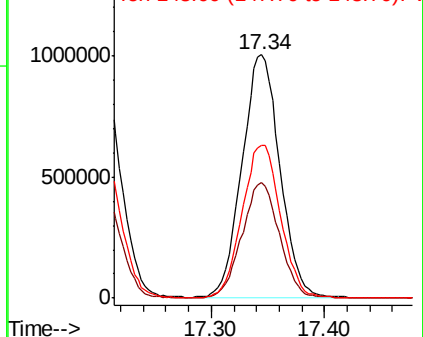
146 100

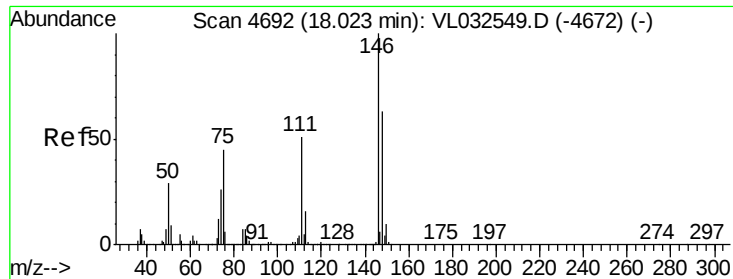
111 47.4 23.4 70.2

148 64.4 32.0 96.2



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





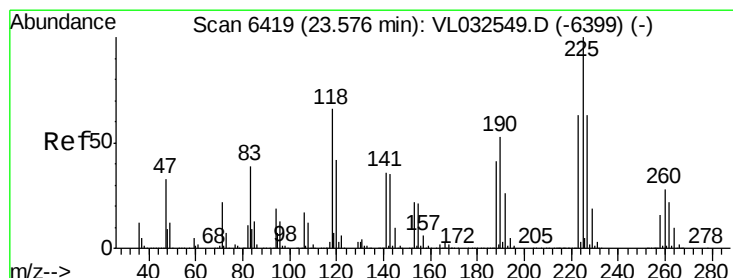
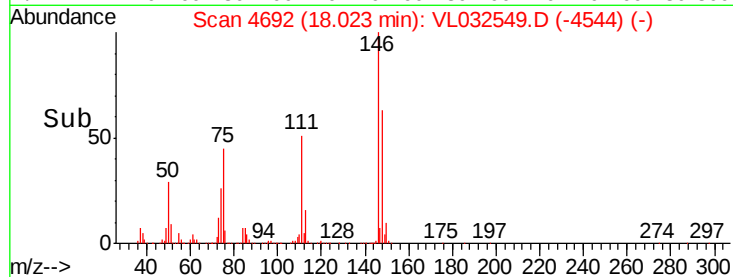
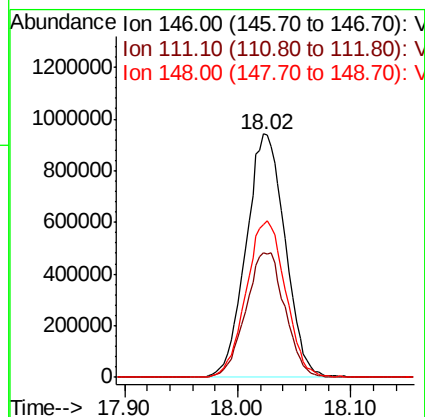
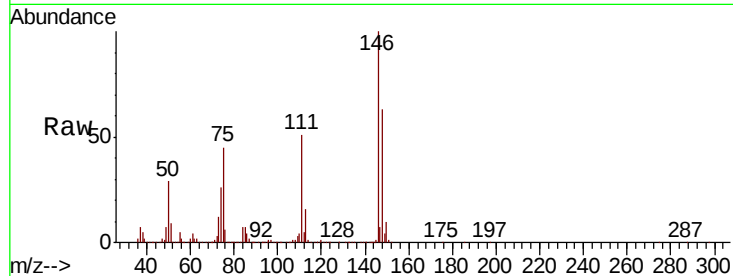
#77
 1,2-Dichlorobenzene
 Concen: 8.620 ppbv
 RT: 18.02 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.5	24.9	74.8
148	65.0	32.0	96.0

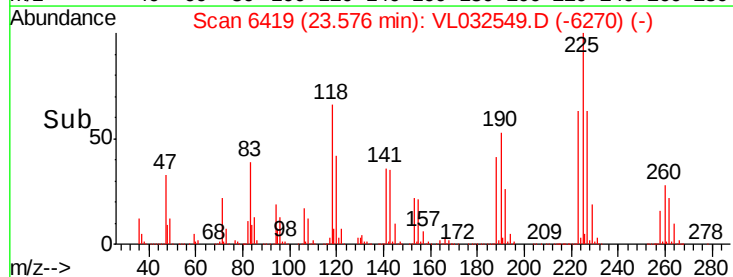
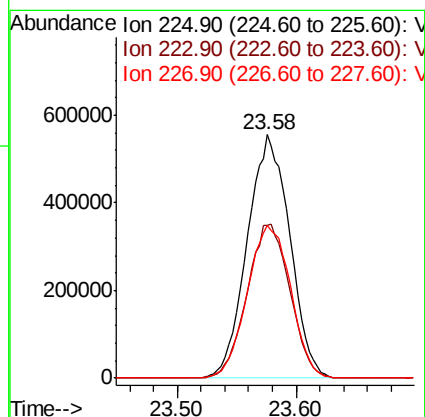
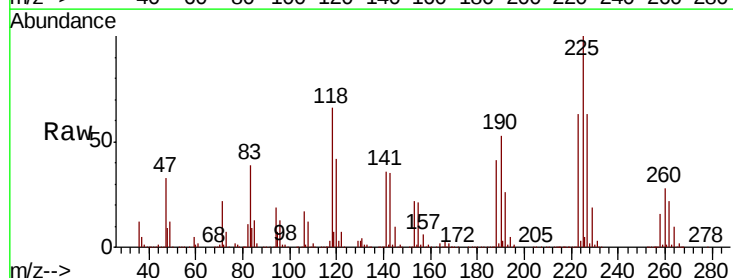
Manual Integrations
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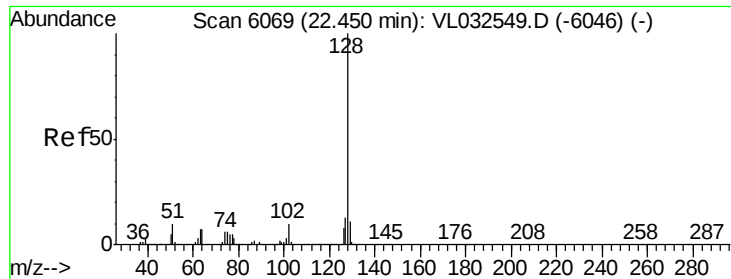
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 10/1/2018 11:57:35 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 13.968 ppbv
 RT: 23.58 min Scan# 6419
 Delta R.T. -0.02 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.6	76.0
227	64.2	51.2	76.8





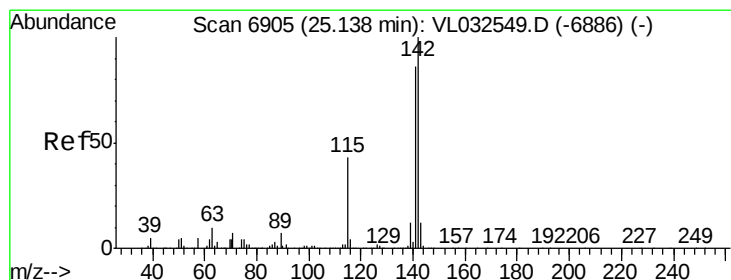
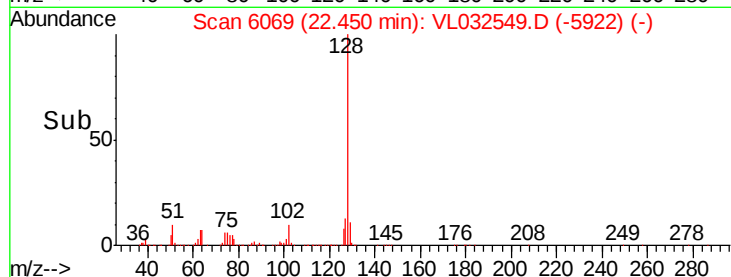
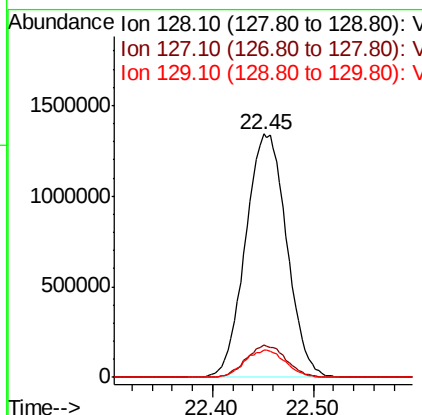
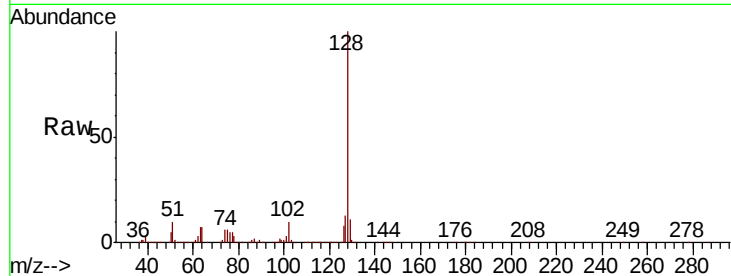
#79
Naphthalene
Concen: 11.693 ppbv
RT: 22.45 min Scan# 6069
Delta R.T. -0.03 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:128 Resp: 3802029
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.3 8.5 12.7

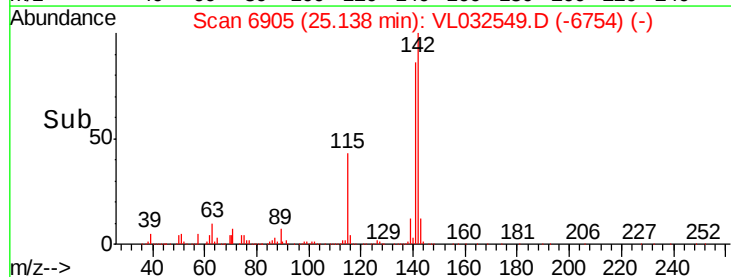
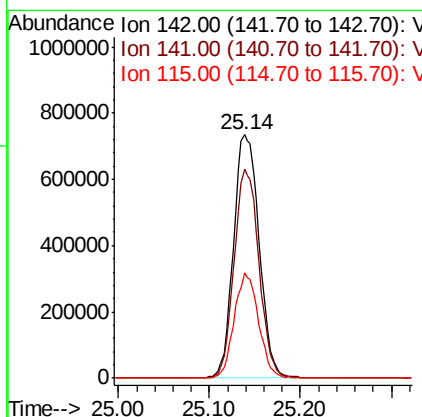
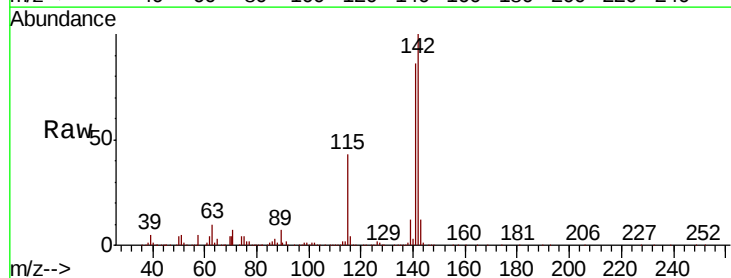
Manual Integrations
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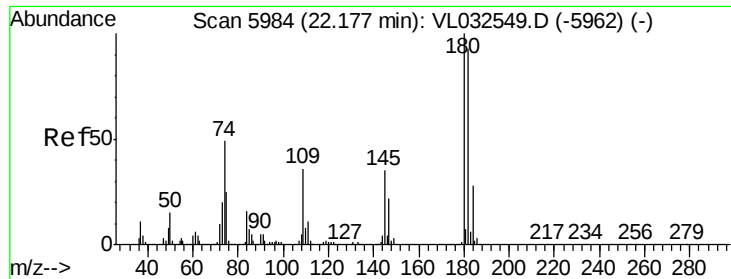
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10/1/2018 11:57:35 AM



#80
Naphthalene, 2-methyl-
Concen: 18.849 ppbv
RT: 25.14 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL032549.D
Acq: 27 Sep 2018 13:10

Tgt Ion:142 Resp: 1438827
Ion Ratio Lower Upper
142 100
141 83.2 67.0 100.6
115 41.1 31.3 46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 10.771 ppbv
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032549.D
 Acq: 27 Sep 2018 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.3	23.8	35.8

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:57:35 AM

