

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026647.D
 Acq On : 8 Jan 2016 15:13
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 1/11/2016 4:59:31 PM

Quant Time: Jan 08 22:21:30 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	917540	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2719316	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	3642464m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	2796800	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	2440530	10.00	ppbv	100
3) Chlorodifluoromethane	3.56	51	1159758	10.00	ppbv	100
4) Chloromethane	3.74	50	599001	10.00	ppbv	100
5) Vinyl Chloride	3.87	62	675752	10.00	ppbv	100
6) Bromomethane	4.13	94	505924	10.00	ppbv	100
7) Chloroethane	4.23	64	302329	10.00	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	1861865	10.00	ppbv	100
9) Propene	3.58	41	443344	10.00	ppbv	100
10) Heptane	9.34	43	1610153	10.00	ppbv	100
11) Trichlorofluoromethane	4.68	101	2427839	10.00	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1484992	10.00	ppbv	100
13) Ethanol	4.31	45	93619	10.00	ppbv	100
14) Bromoethene	4.44	108	561022	10.00	ppbv	100
15) Acetone	4.59	43	1341558	10.00	ppbv	100
16) 1,3-Butadiene	3.96	39	600266	10.00	ppbv	100
17) tert-Butyl alcohol	5.10	59	1245974	10.00	ppbv	99
18) 1,1-Dichloroethene	5.07	96	639267	10.00	ppbv	100
19) Isopropyl Alcohol	4.73	45	733495	10.00	ppbv	100
20) Methylene Chloride	5.14	84	581917	10.00	ppbv	100
21) Allyl Chloride	5.21	41	925916	10.00	ppbv	100
22) trans-1,2-Dichloroethene	5.75	96	735546	10.00	ppbv	100
23) Vinyl Acetate	5.96	43	2423194	10.00	ppbv	100
24) 1,1-Dichloroethane	5.89	63	1625788	10.00	ppbv	100
25) Ethyl Acetate	6.65	43	2349073	10.00	ppbv	100
26) Hexane	6.64	57	1175201	10.00	ppbv	100
27) Carbon Disulfide	5.37	76	1866172	10.00	ppbv	99
28) Methyl tert-Butyl Ether	5.93	73	2420520	10.00	ppbv	100
29) Chloroform	6.73	83	2092157	10.00	ppbv	100
30) Cyclohexane	8.26	84	1199612	10.00	ppbv	100
31) cis-1,2-Dichloroethene	6.50	61	1248397	10.00	ppbv	100
32) 1,1,1-Trichloroethane	7.58	97	2258032	10.00	ppbv	100
34) 2-Butanone	6.18	43	1424844	10.00	ppbv	100
35) Carbon Tetrachloride	8.14	117	2240260	10.00	ppbv	100
36) Benzene	8.01	78	2745869	10.00	ppbv	100
37) 1,2-Dichloroethane	7.35	62	1871417	10.00	ppbv	100
38) Trichloroethene	9.04	130	1066765	10.00	ppbv	100
39) 1,2-Dichloropropane	8.81	63	949816	10.00	ppbv	100
40) 1,4-Dioxane	9.10	88	301186	10.00	ppbv	100
41) Tetrahydrofuran	7.10	42	755734	10.00	ppbv	100
42) Bromodichloromethane	9.01	83	2436794	10.00	ppbv	100
43) Methyl Methacrylate	9.24	69	1082504	10.00	ppbv	100

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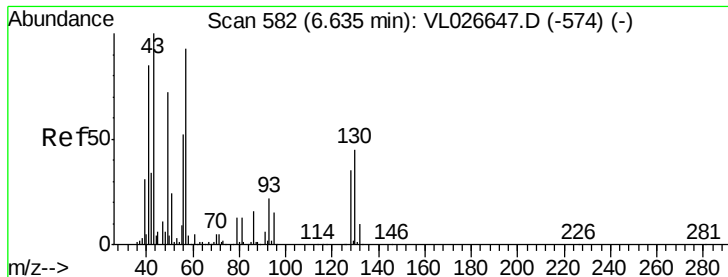
Manual Integrations
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Quant Time: Jan 08 22:21:30 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08 2016
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	4306519	10.00	ppbv	100
45) t-1,3-Dichloropropene	10.63	75	1863419	10.00	ppbv	100
46) cis-1,3-Dichloropropene	10.00	75	2017330	10.00	ppbv	100
47) 1,1,2-Trichloroethane	10.86	97	1321925	10.00	ppbv	100
48) Dibromochloromethane	11.78	129	2095386	10.00	ppbv	100
49) Bromoform	14.80	173	1751468	10.00	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	2106920	10.00	ppbv	100
51) 2-Hexanone	11.59	43	2057028	10.00	ppbv	100
52) Tetrachloroethene	12.77	164	1201407	10.00	ppbv	100
53) Toluene	11.22	91	3916986	10.00	ppbv	100
54) 1,2-Dibromoethane	12.12	107	2083715	10.00	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.77	131	1531527	9.52	ppbv	100
57) Chlorobenzene	13.79	112	3238048	9.52	ppbv	100
58) Ethyl Benzene	14.39	91	6189581	9.52	ppbv	100
59) m/p-Xylene	14.70	91	9602433	19.05	ppbv	100
60) o-Xylene	15.47	91	4972456	9.52	ppbv	100
61) Styrene	15.29	104	2366606	9.52	ppbv	100
62) Isopropylbenzene	16.52	105	6924473	9.52	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	3185141	9.52	ppbv	100
64) n-propylbenzene	17.50	120	1835052	9.52	ppbv	98
65) tert-Butylbenzene	18.79	119	5765505	9.52	ppbv	100
66) Benzyl Chloride	19.08	91	2677167	9.52	ppbv	100
67) sec-Butylbenzene	19.39	105	8968229	9.52	ppbv	100
69) p-Isopropyltoluene	19.77	119	7056926	9.52	ppbv	100
70) n-Butylbenzene	20.74	91	7434518	9.52	ppbv	100
71) 2-Chlorotoluene	17.40	91	5634751	9.52	ppbv	100
72) 4-Ethyltoluene	17.80	105	6053110	9.52	ppbv	100
73) 1,3,5-Trimethylbenzene	17.97	105	5562502	9.52	ppbv	100
74) 1,2,4-Trimethylbenzene	18.82	105	5419317	9.52	ppbv	100
75) 1,3-Dichlorobenzene	19.10	146	3376513	9.52	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	3554027	9.52	ppbv	100
77) 1,2-Dichlorobenzene	20.00	146	3526427	9.52	ppbv	100
78) Hexachloro-1,3-Butadiene	24.66	225	1406603	9.52	ppbv	100
79) Naphthalene	23.91	128	4242887	9.52	ppbv	100
80) Naphthalene, 2-methyl-	26.03	142	1084827	9.54	ppbv	100
81) 1,2,4-Trichlorobenzene	23.71	180	1831194	9.52	ppbv	100

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



#1

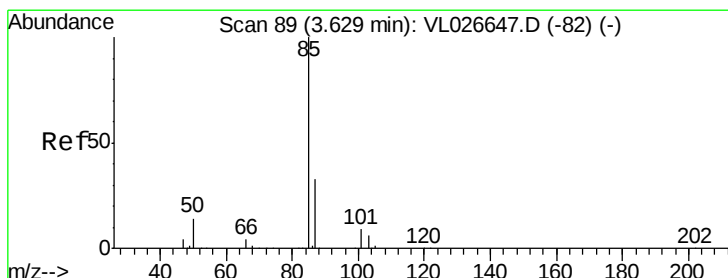
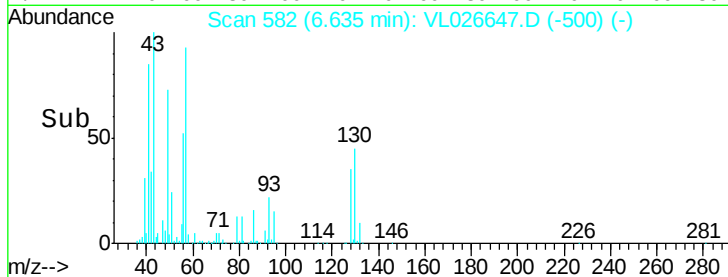
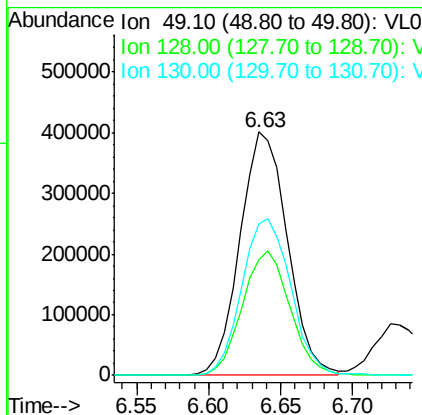
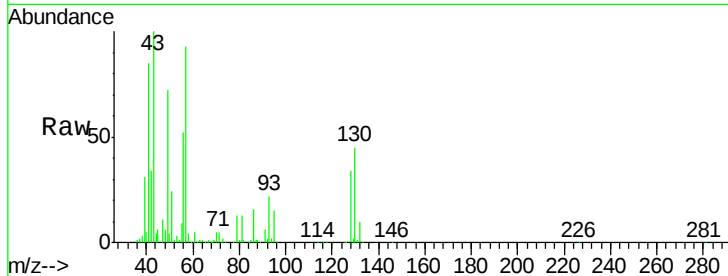
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.63 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tot Ion: 49 Resp: 917540
 Ion Ratio Lower Upper
 49 100
 128 51.8 25.9 77.7
 130 67.2 33.6 100.8

Manual Integrations
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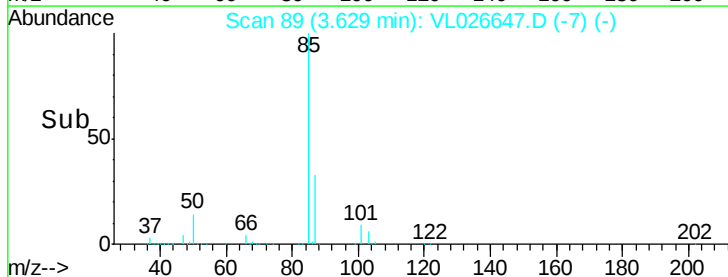
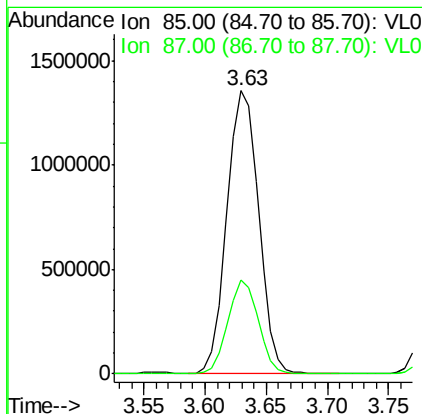
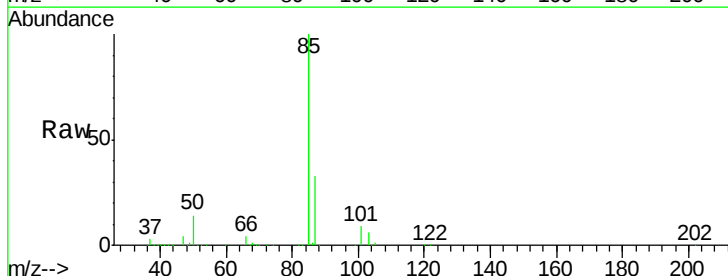
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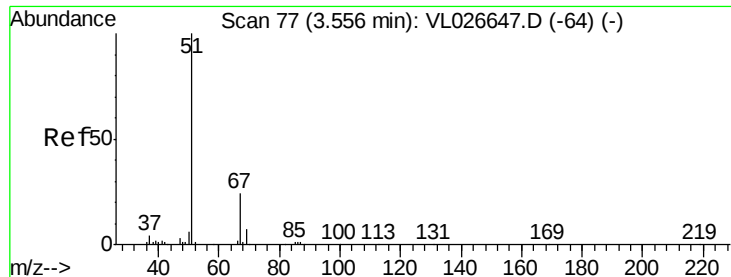


#2

Dichlorodifluoromethane
 Concen: 10.00 ppbv
 RT: 3.63 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion: 85 Resp: 2440530
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.4 39.6





#3

Chlorodifluoromethane

Concen: 10.00 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1159758

Ion Ratio Lower Upper

51 100

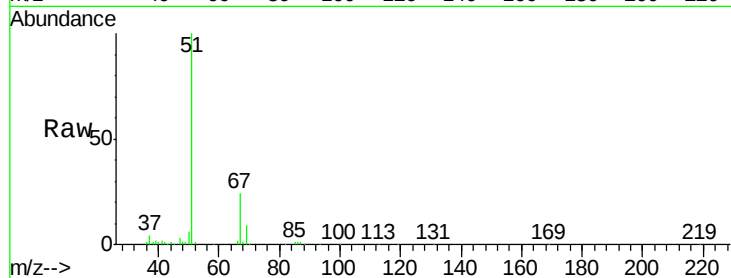
67 23.3 18.6 28.0

Manual Integrations

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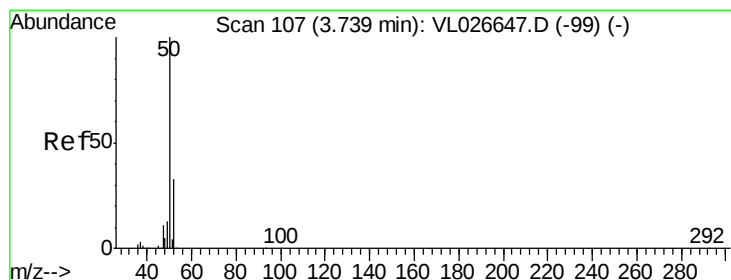
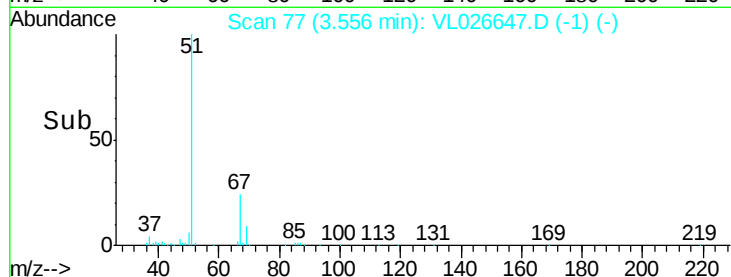
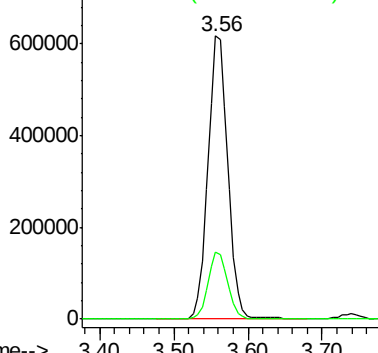
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.00 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026647.D

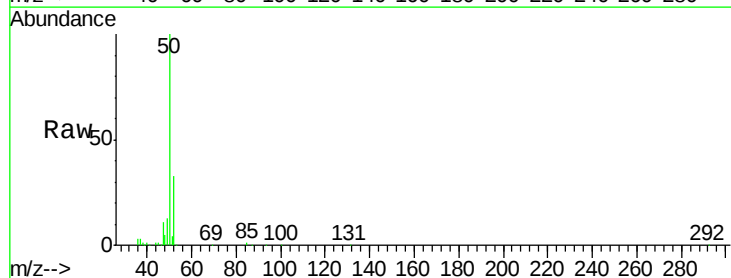
Acq: 8 Jan 2016 15:13

Tgt Ion: 50 Resp: 599001

Ion Ratio Lower Upper

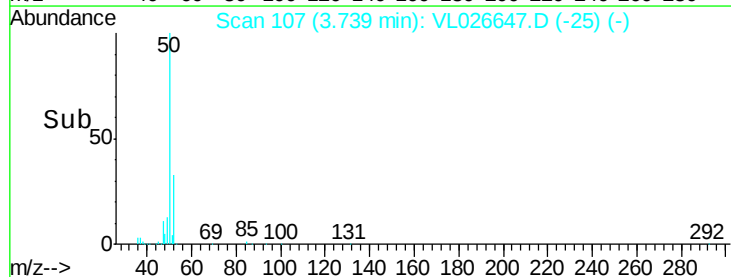
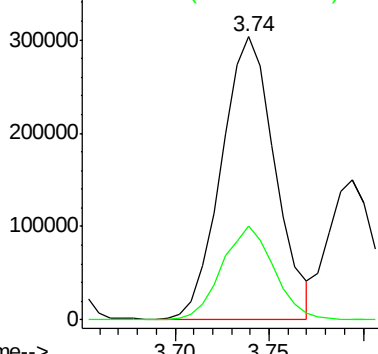
50 100

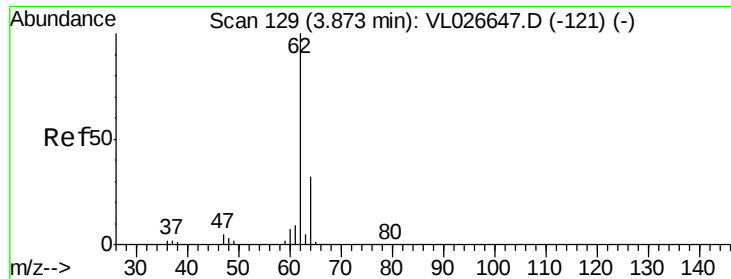
52 33.4 26.7 40.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.00 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 675752

Ion Ratio Lower Upper

62 100

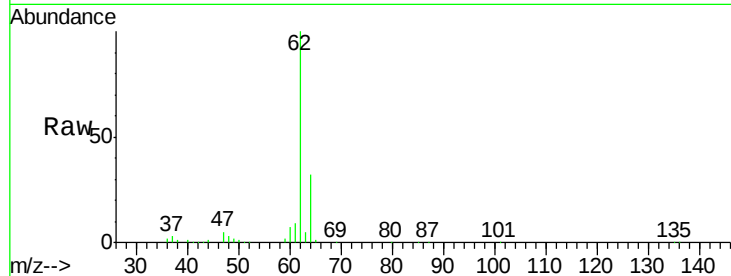
64 32.0 25.6 38.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.87

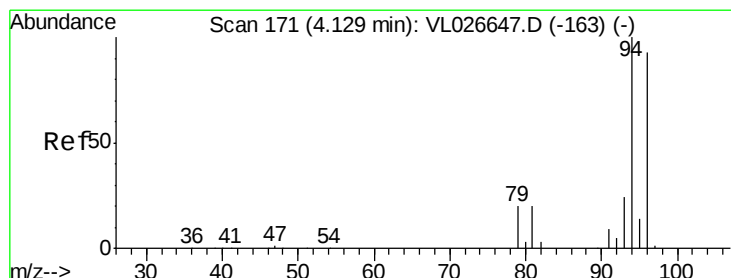
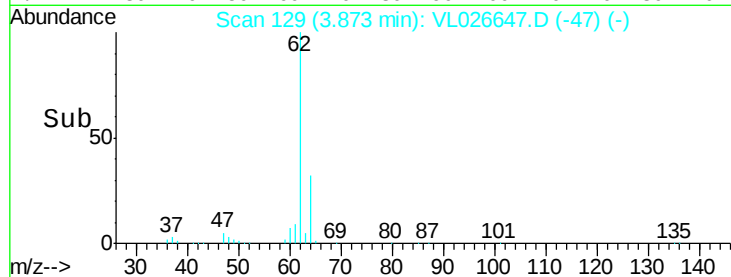
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.00 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026647.D

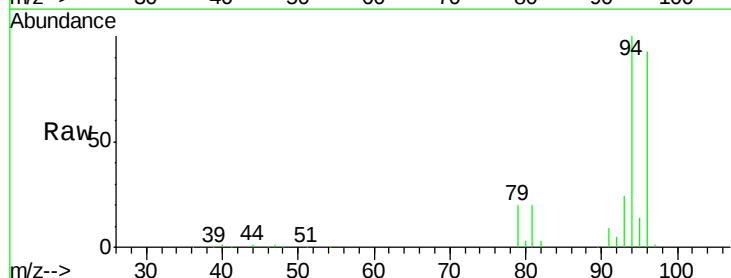
Acq: 8 Jan 2016 15:13

Tgt Ion: 94 Resp: 505924

Ion Ratio Lower Upper

94 100

96 93.3 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

4.13

300000

250000

200000

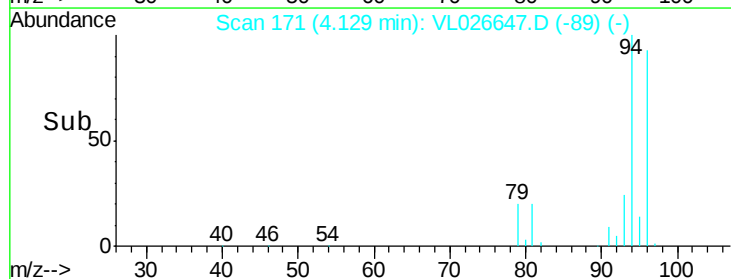
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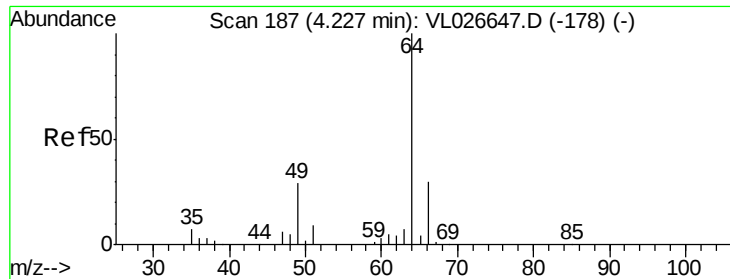
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50000

0

Time-->





#7

Chloroethane

Concen: 10.00 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 302329

Ion Ratio Lower Upper

64 100

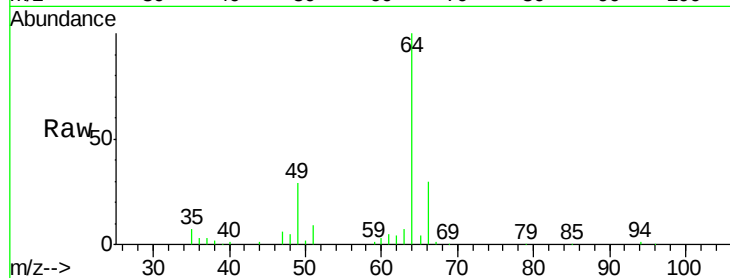
66 30.4 24.3 36.5

Manual Integrations

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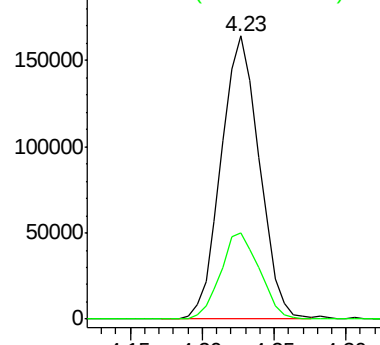
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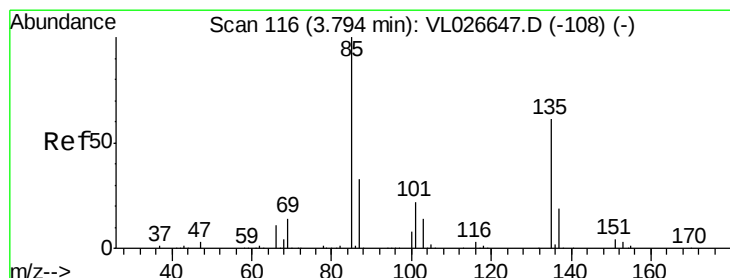
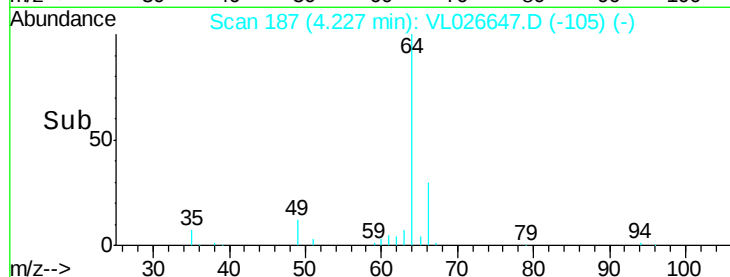


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.00 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026647.D

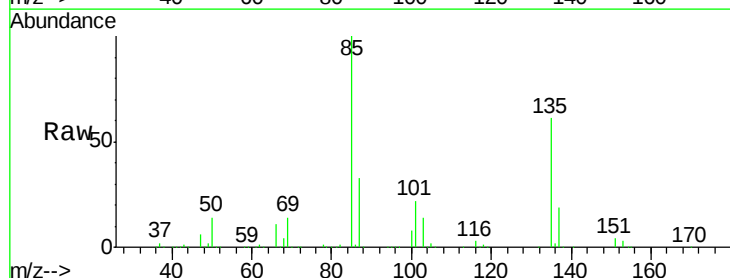
Acq: 8 Jan 2016 15:13

Tgt Ion: 85 Resp: 1861865

Ion Ratio Lower Upper

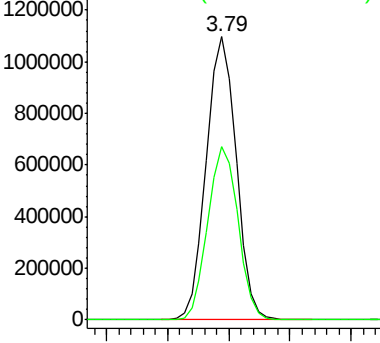
85 100

135 62.2 49.8 74.6

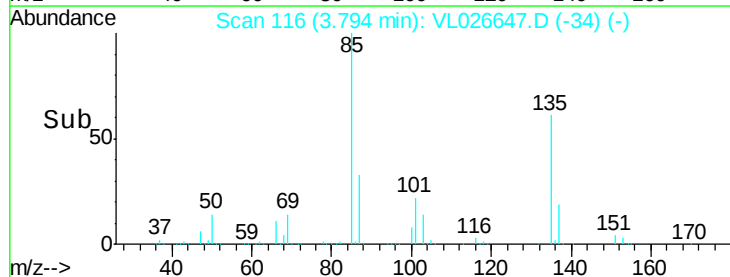


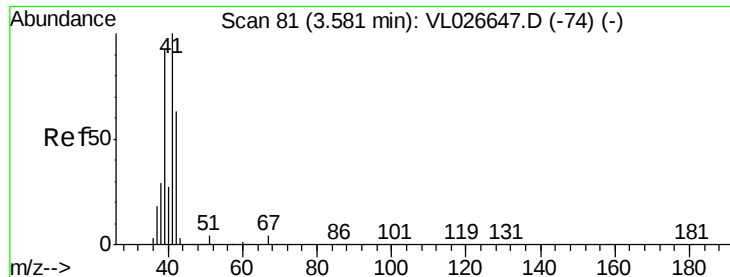
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 10.00 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion: 41 Resp: 443344

Ion Ratio Lower Upper

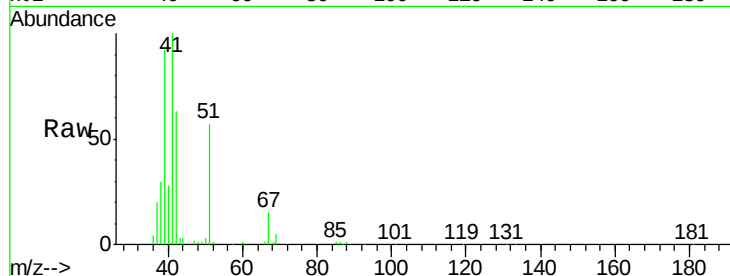
41 100

42 67.0 53.6 80.4

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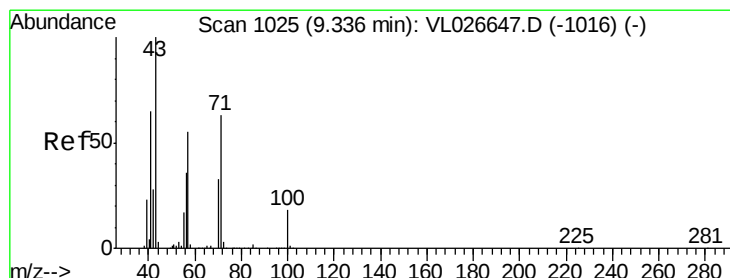
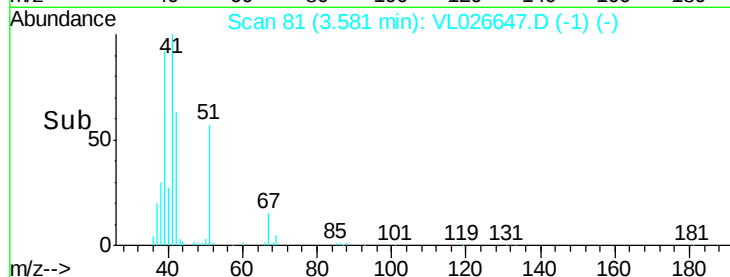
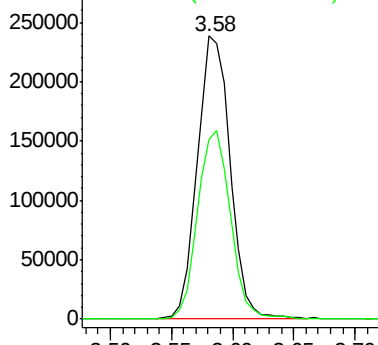
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.00 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VL026647.D

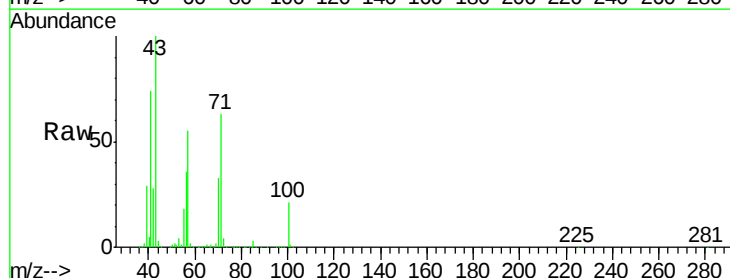
Acq: 8 Jan 2016 15:13

Tgt Ion: 43 Resp: 1610153

Ion Ratio Lower Upper

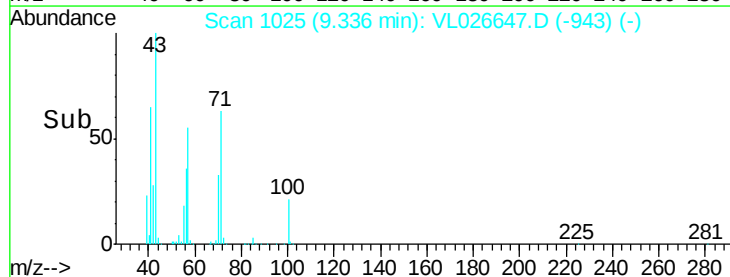
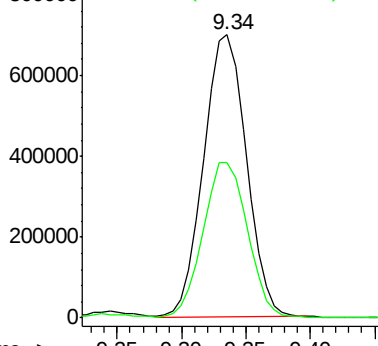
43 100

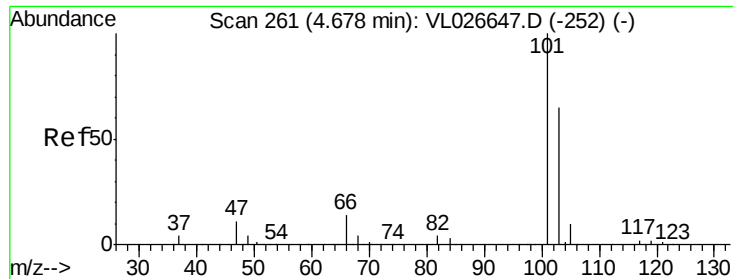
57 57.2 45.8 68.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





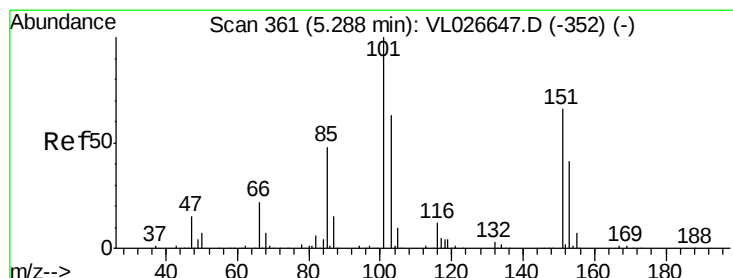
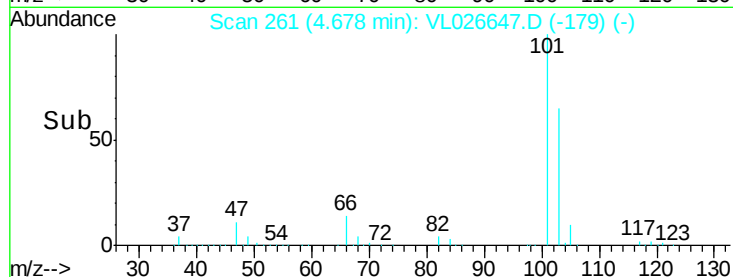
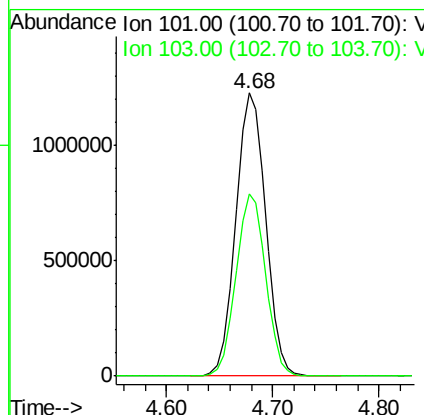
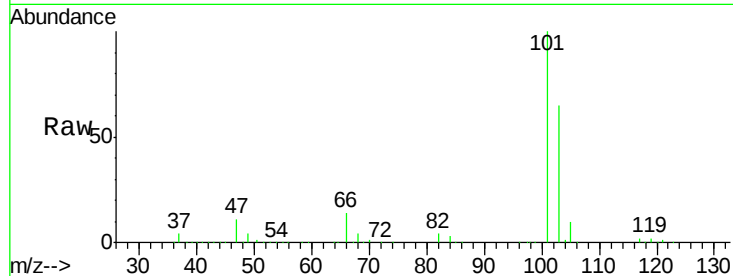
#11
 Trichlorofluoromethane
 Concen: 10.00 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tot Ion:101 Resp: 2427839
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

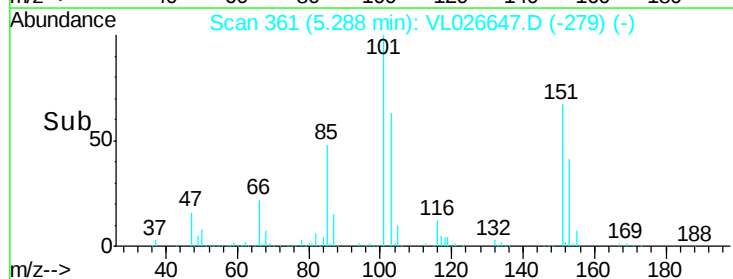
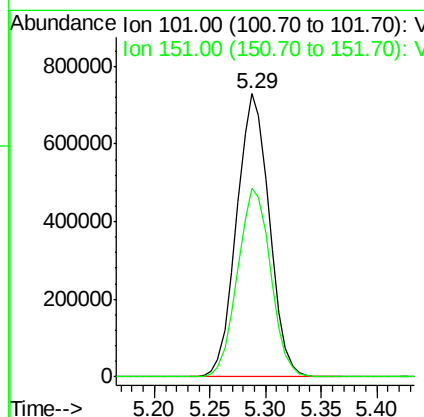
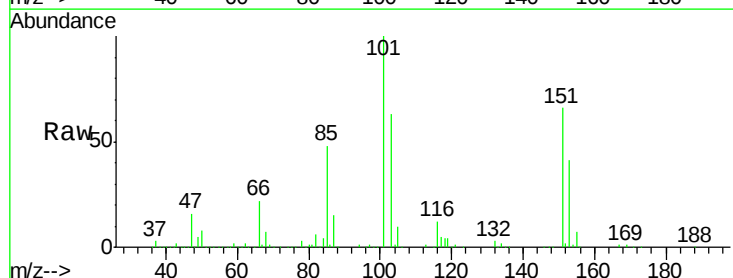
Manual Integrations
 APPROVED

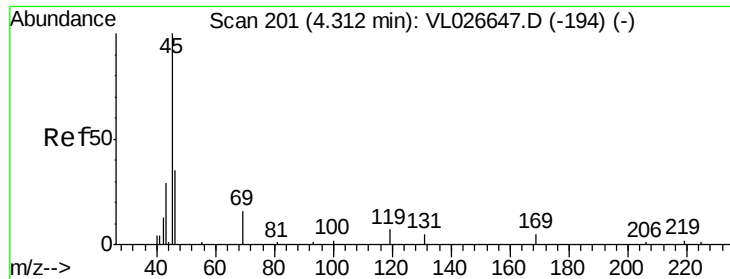
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.00 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion:101 Resp: 1484992
 Ion Ratio Lower Upper
 101 100
 151 67.8 54.2 81.4





#13

Ethanol

Concen: 10.00 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 93619

Ion Ratio Lower Upper

45 100

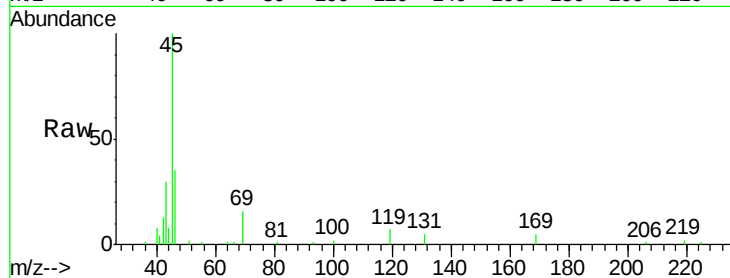
46 41.7 16.7 66.7

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

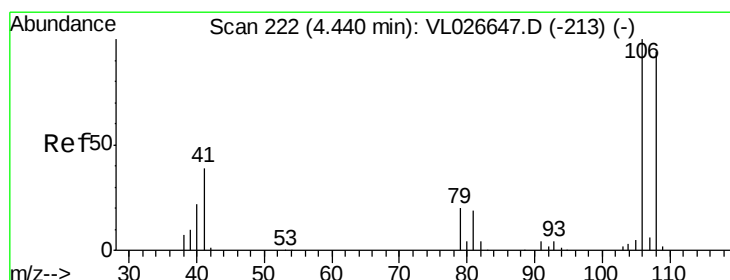
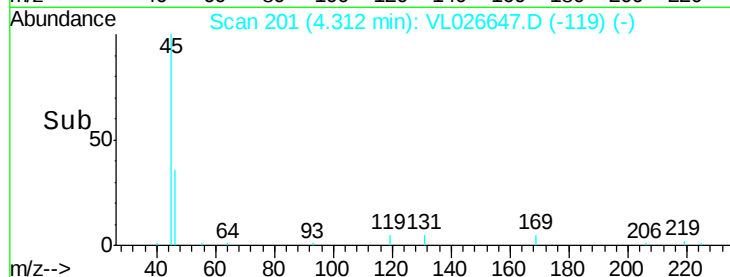
Ion 46.10 (45.80 to 46.80): VL0

4.31

4.35

4.40

Time-->



#14

Bromoethene

Concen: 10.00 ppbv

RT: 4.44 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

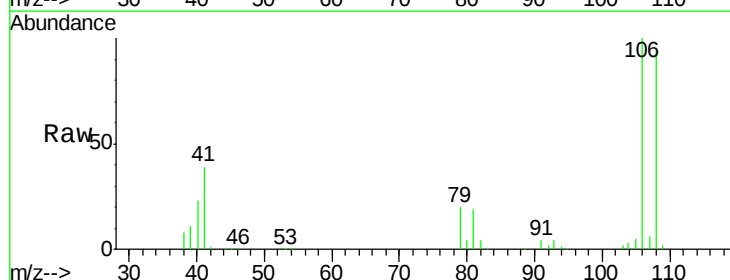
Tgt Ion: 108 Resp: 561022

Ion Ratio Lower Upper

108 100

106 108.0 86.3 129.5

79 21.5 17.3 25.9



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

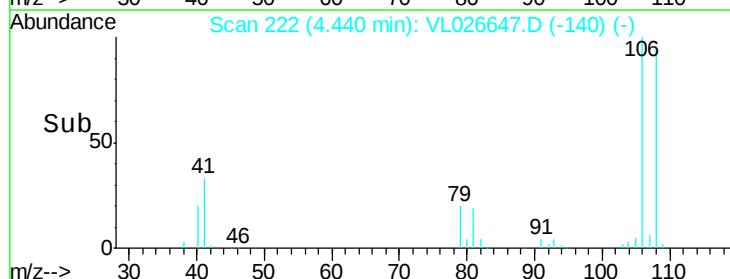
Ion 79.00 (78.70 to 79.70): VL0

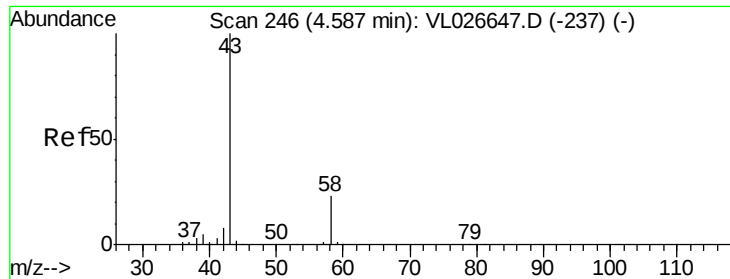
4.44

4.45

4.50

Time-->





#15

Acetone

Concen: 10.00 ppbv

RT: 4.59 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1341558

Ion Ratio Lower Upper

43 100

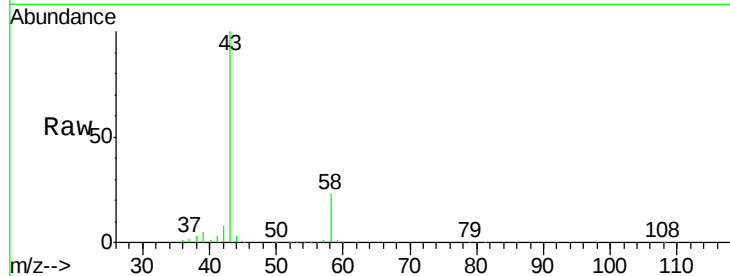
58 24.0 19.2 28.8

Manual Integrations

APPROVED

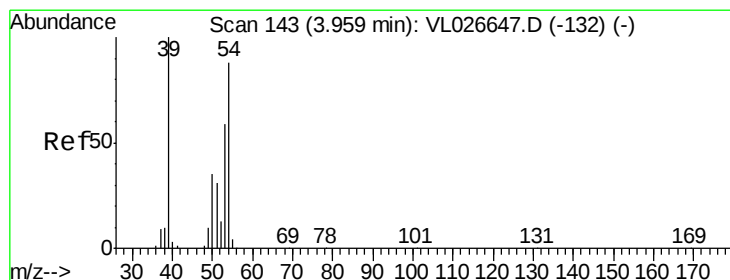
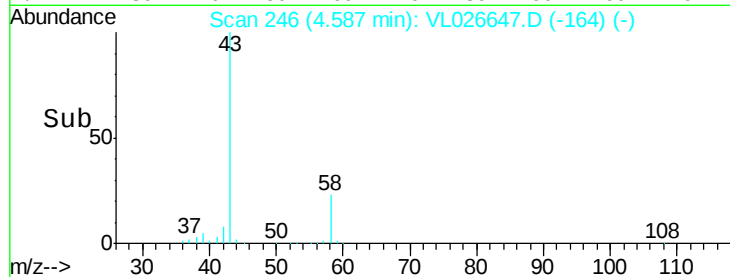
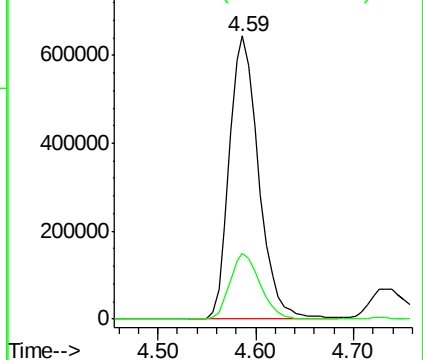
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.00 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL026647.D

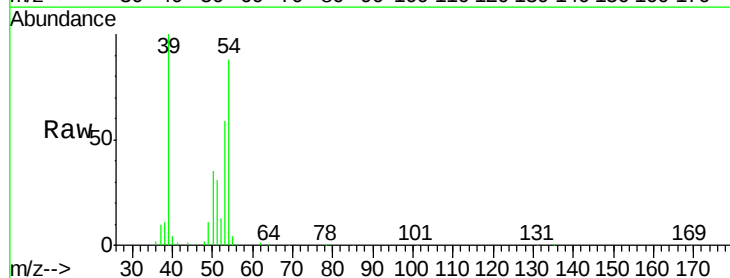
Acq: 8 Jan 2016 15:13

Tgt Ion: 39 Resp: 600266

Ion Ratio Lower Upper

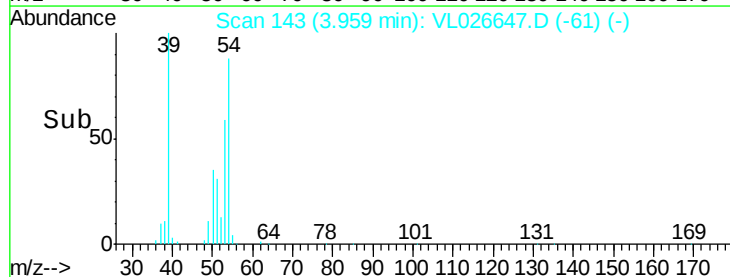
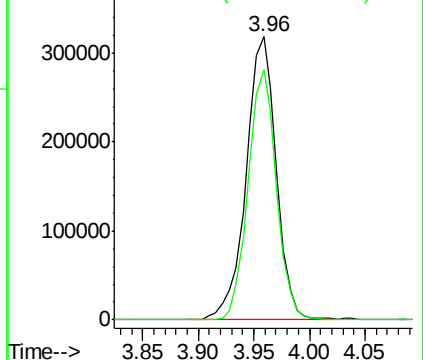
39 100

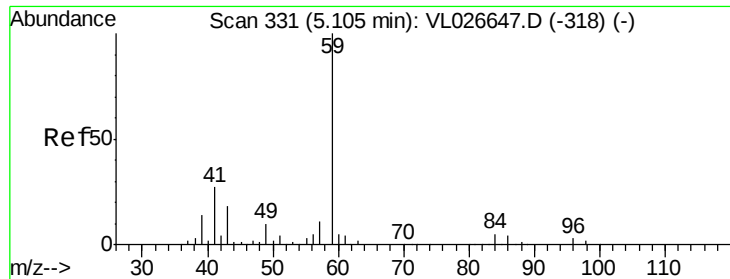
54 83.3 66.4 99.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

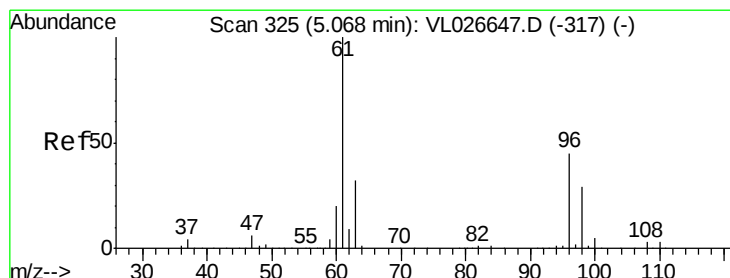
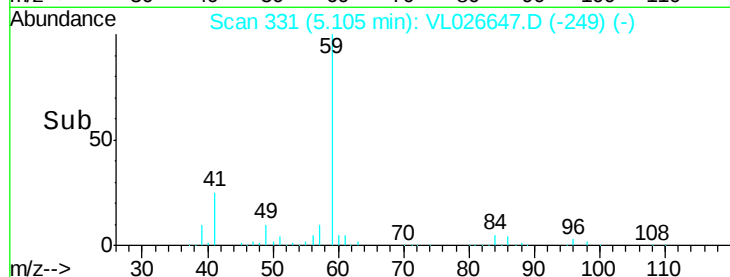
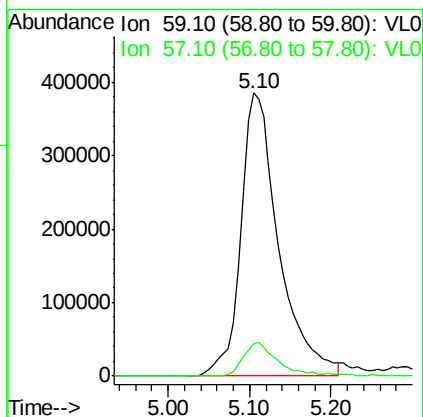
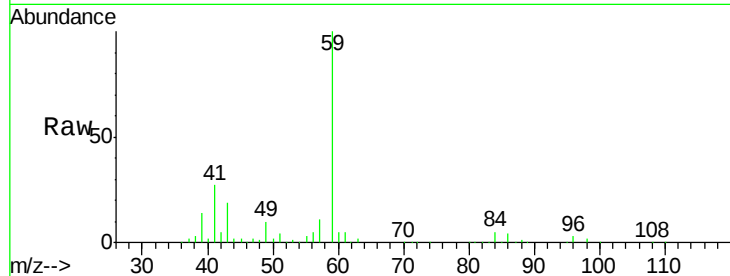
tert-Butyl alcohol
 Concen: 10.00 ppbv
 RT: 5.10 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 59 Resp: 1245974
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.9 13.3

Manual Integrations
 APPROVED

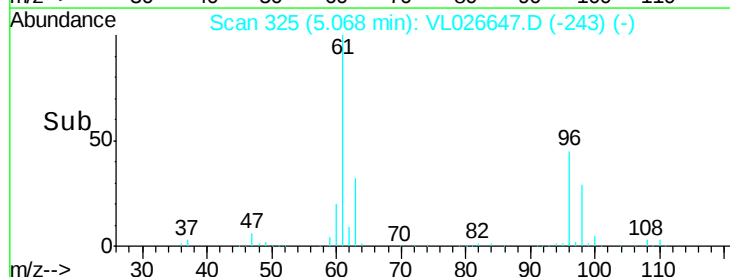
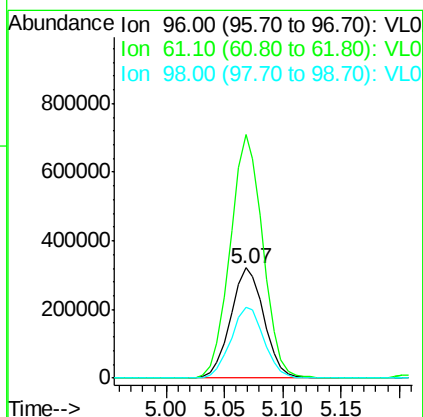
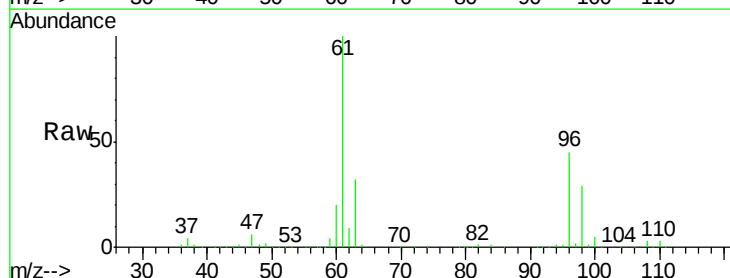
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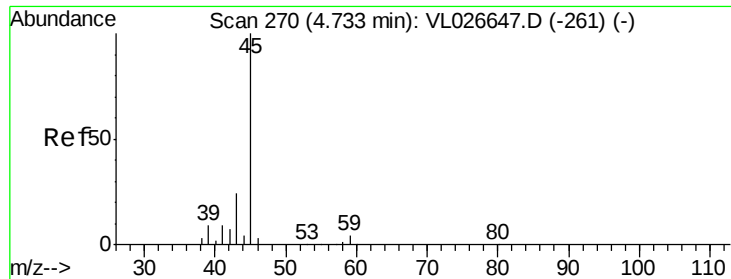


#18

1,1-Dichloroethene
 Concen: 10.00 ppbv
 RT: 5.07 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion: 96 Resp: 639267
 Ion Ratio Lower Upper
 96 100
 61 220.9 176.7 265.1
 98 64.7 51.8 77.6





#19

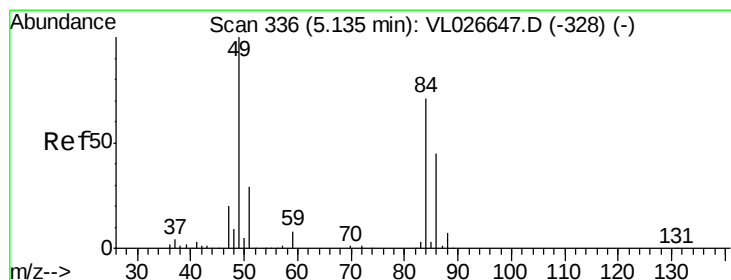
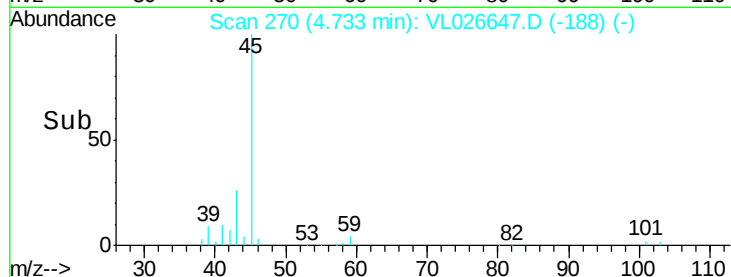
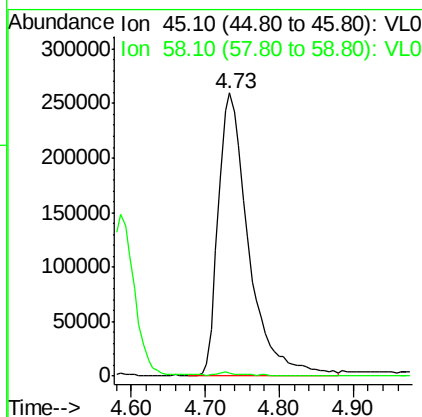
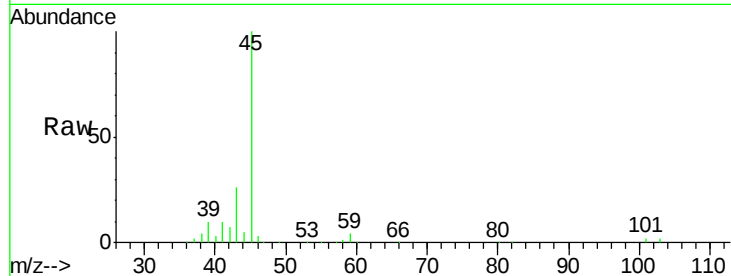
Isopropyl Alcohol
 Concen: 10.00 ppbv
 RT: 4.73 min Scan# 270
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	45	58	Ratio	100	1.6	Resp	733495	Lower	Upper
45	100								
58		1.6			1.2		1.8		

Manual Integrations
 APPROVED

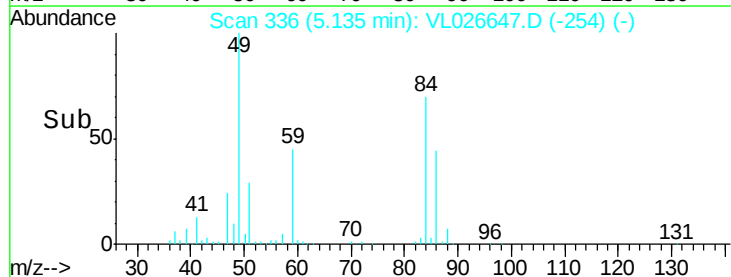
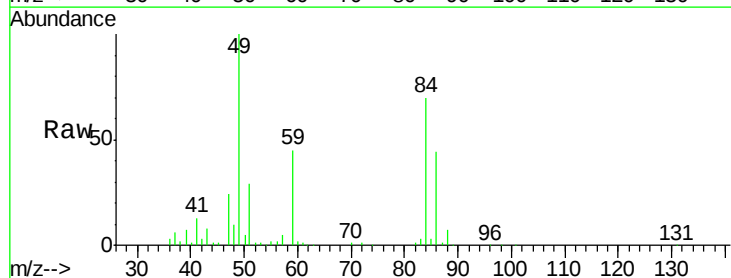
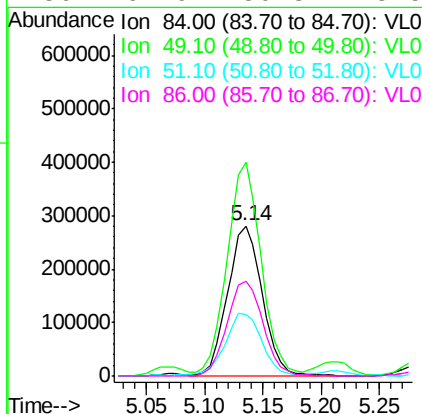
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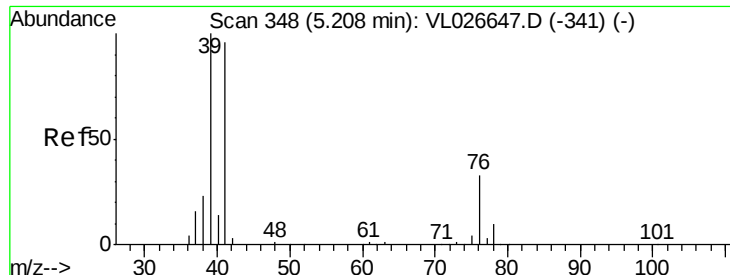


#20

Methylene Chloride
 Concen: 10.00 ppbv
 RT: 5.14 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion	84	49	51	86	Ratio	100	140.4	40.6	62.9	Resp	581917	Lower	Upper
84	100												
49		140.4					112.3				168.5		
51		40.6					32.5				48.7		
86		62.9					50.3				75.5		





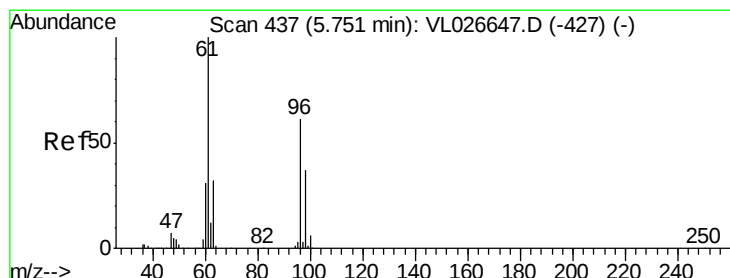
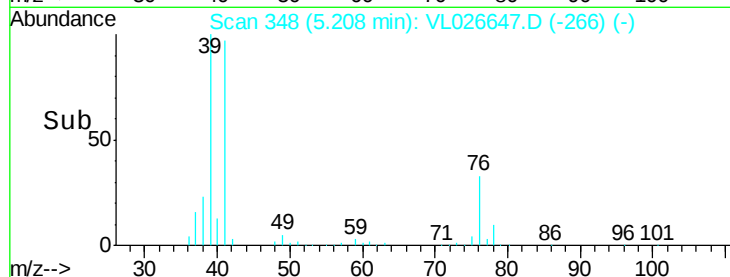
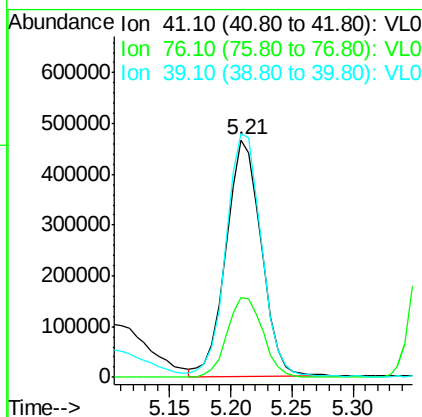
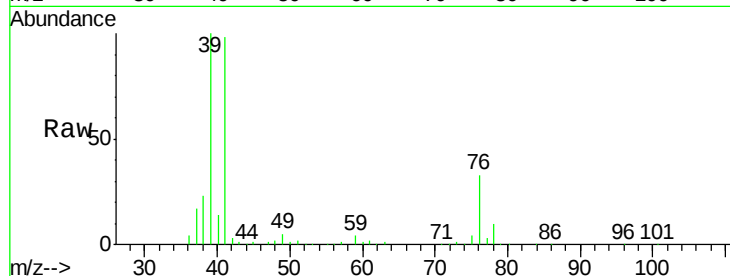
#21
Allvl Chloride
Concen: 10.00 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
76	34.4	27.5	41.3	
39	103.8	83.2	124.8	

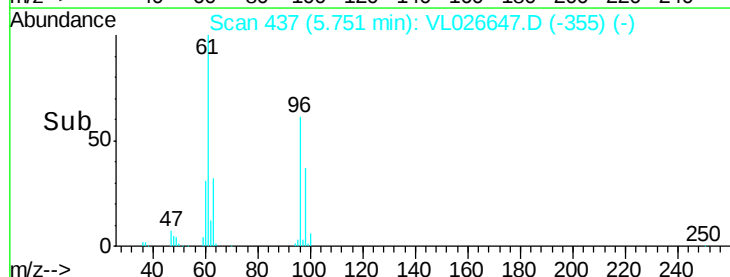
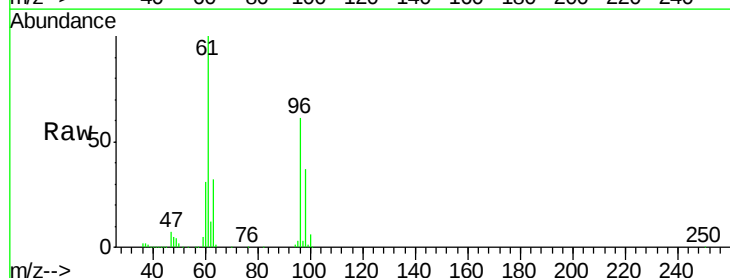
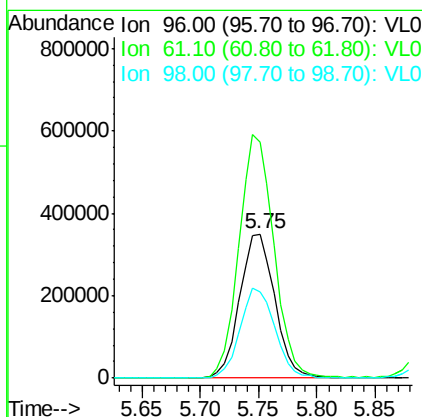
Manual Integrations
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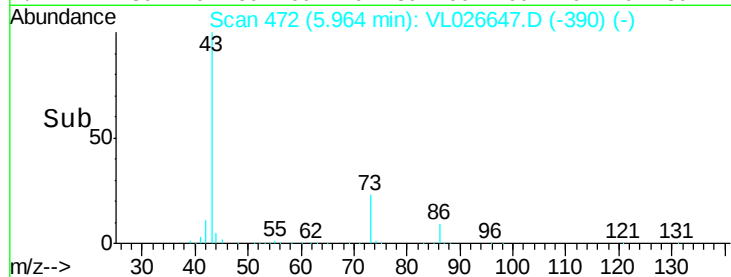
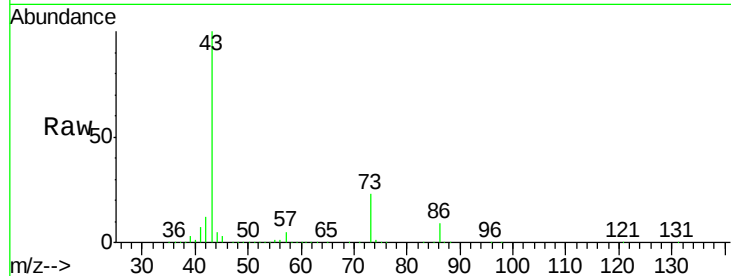
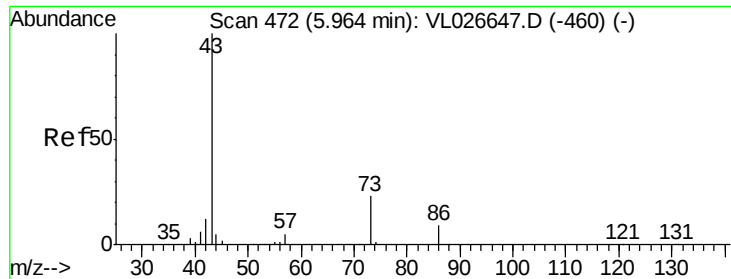
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#22
trans-1,2-Dichloroethene
Concen: 10.00 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.8	131.0	196.6	
98	60.1	48.1	72.1	





#23

Vinyl Acetate

Concen: 10.00 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Tot Ion: 43 Resp: 2423194

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0

42 11.5 9.2 13.8

44 4.8 3.8 5.8

Instrument :

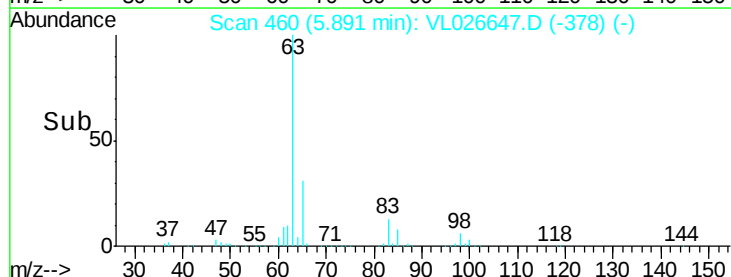
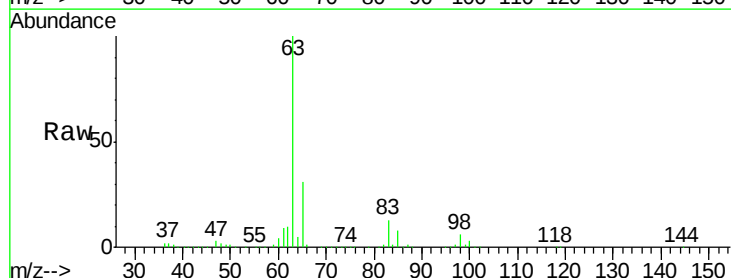
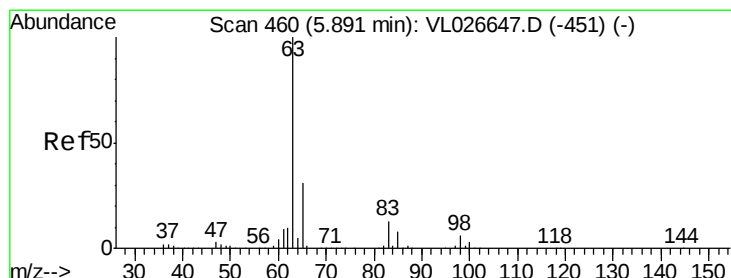
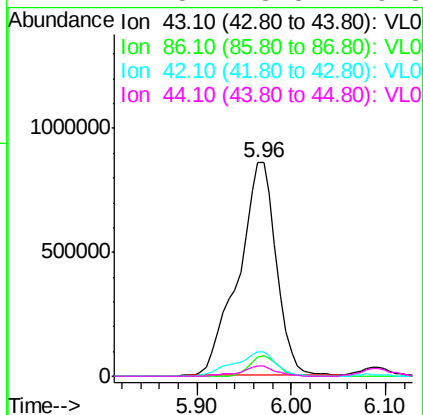
MSVOA_L

ClientSampleId :

VSTDICCC010

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

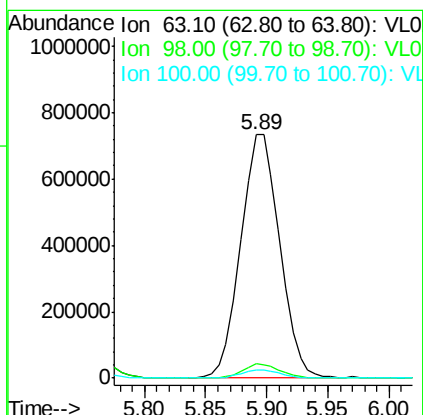
Tgt Ion: 63 Resp: 1625788

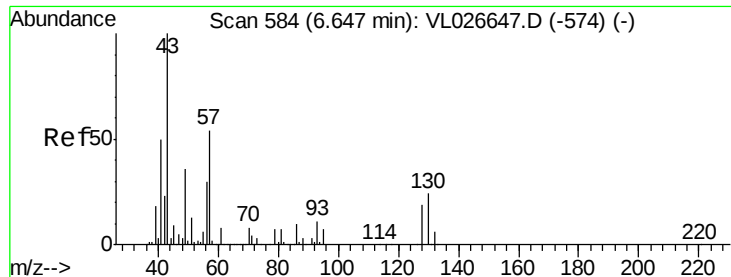
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

100 3.2 1.6 4.8





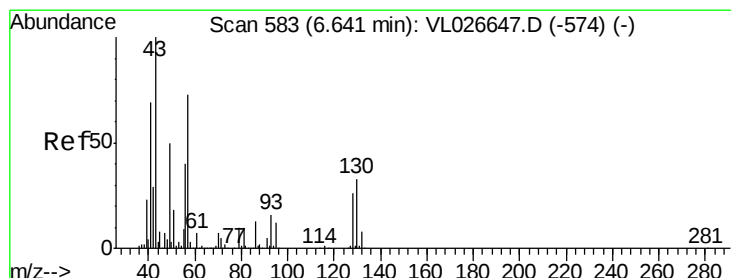
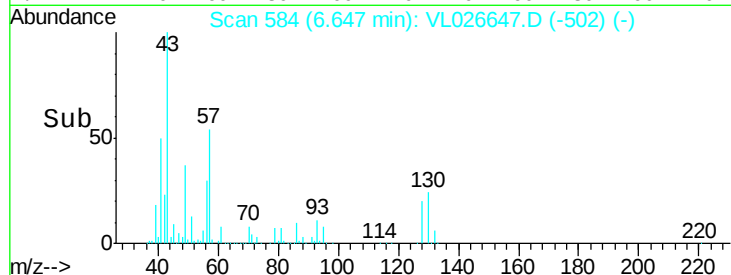
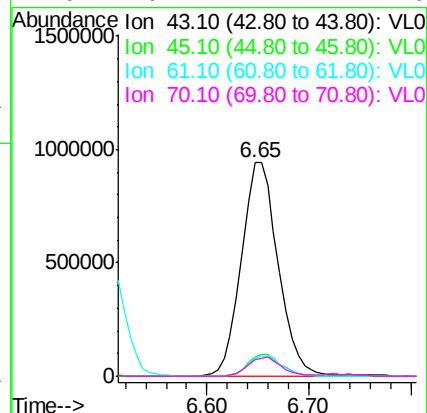
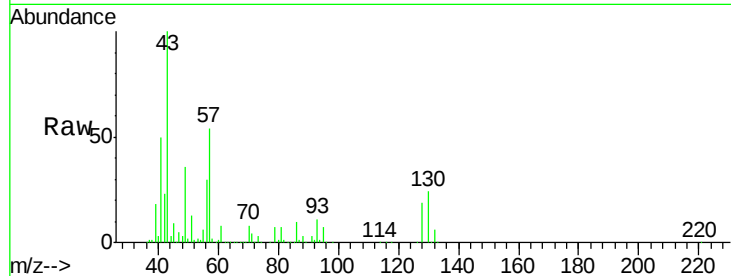
#25
Ethyl Acetate
Concen: 10.00 ppbv
RT: 6.65 min Scan# 584
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	43	Resp	2349073
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.5	11.3
61	9.1	7.3	10.9
70	9.2	7.4	11.0

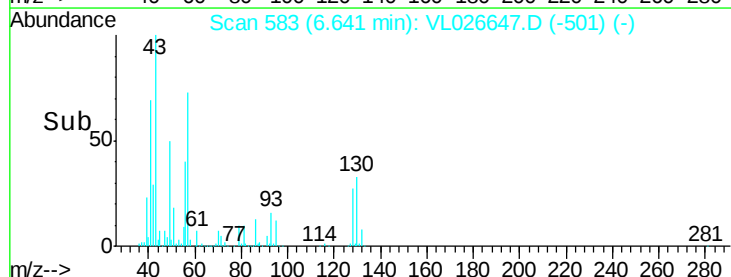
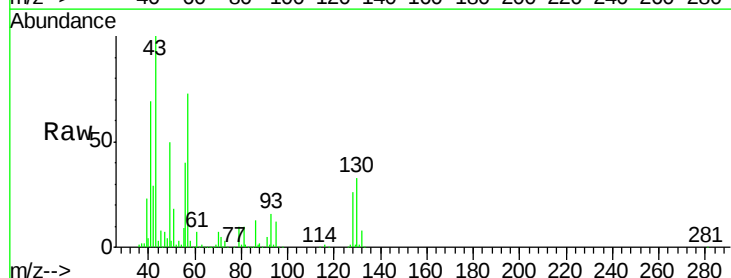
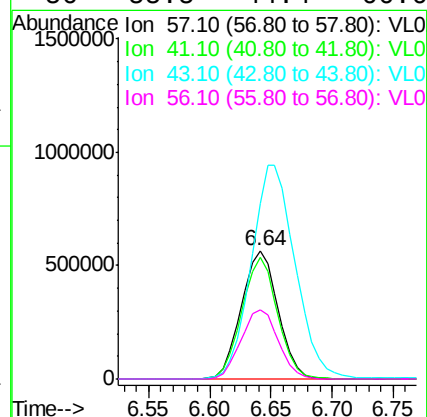
Manual Integrations
APPROVED

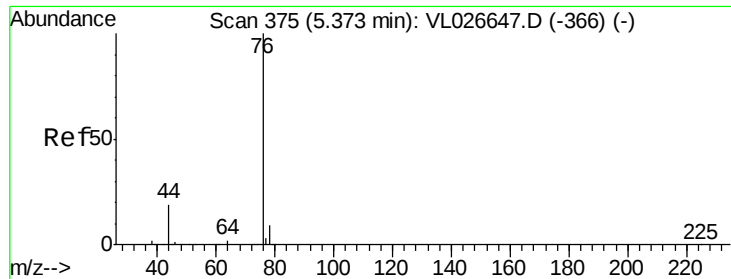
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#26
Hexane
Concen: 10.00 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion	57	Resp	1175201
Ion	Ratio	Lower	Upper
57	100		
41	93.5	74.8	112.2
43	201.9	161.5	242.3
56	55.5	44.4	66.6





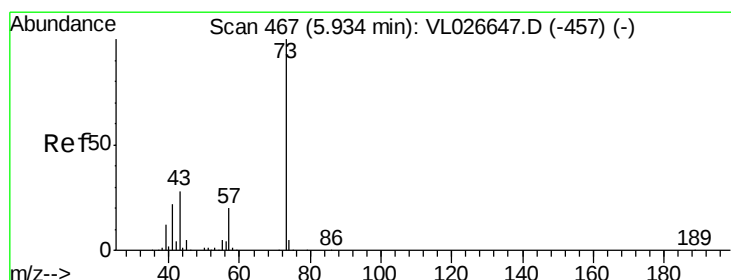
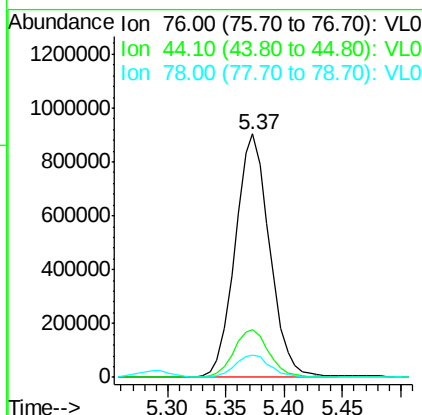
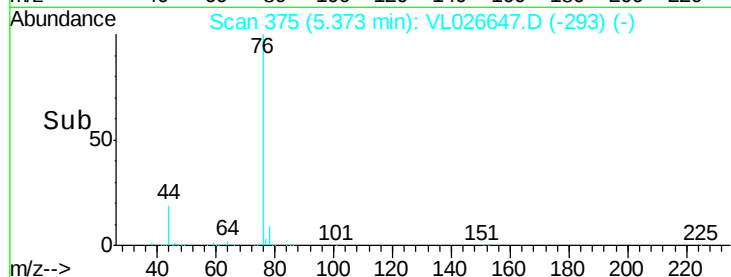
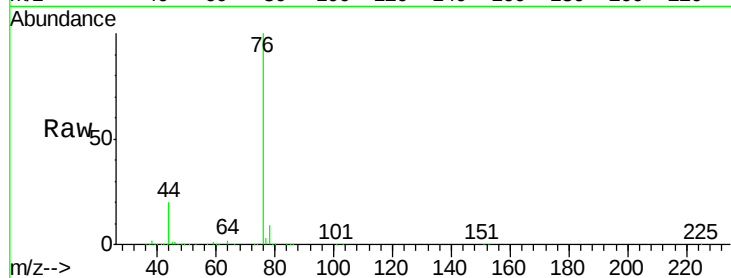
#27
Carbon Disulfide
Concen: 10.00 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.9	16.1	24.1
78	9.5	7.4	11.0

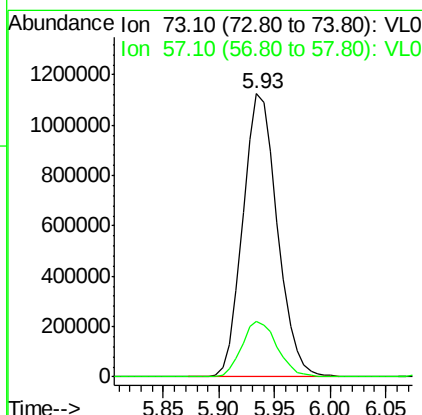
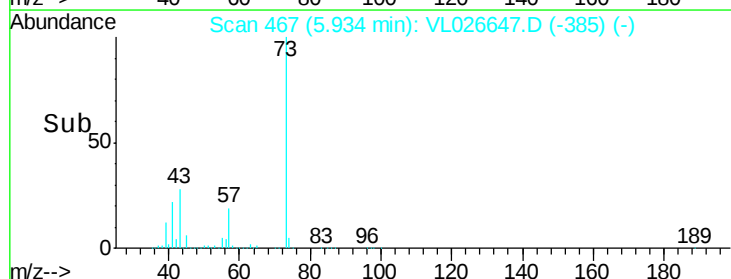
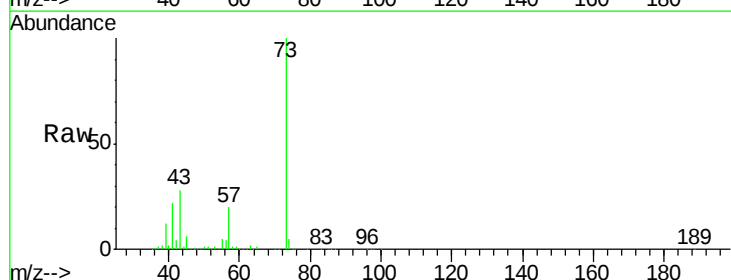
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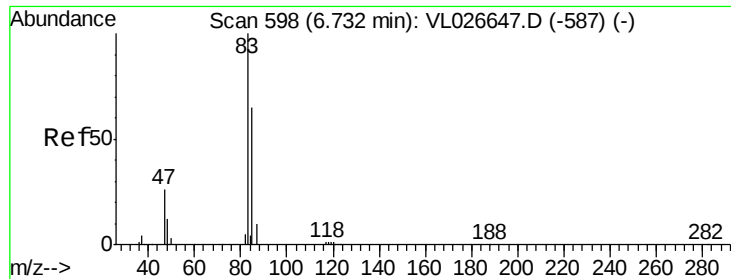
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#28
Methyl tert-Butyl Ether
Concen: 10.00 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.2	24.4





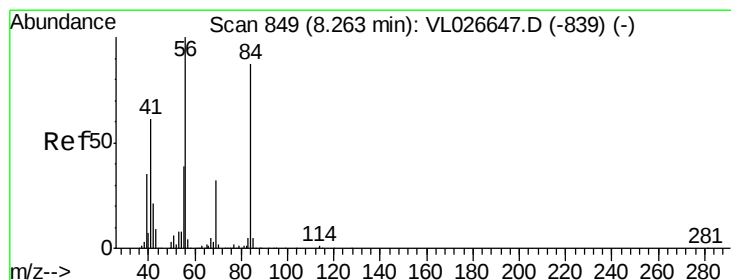
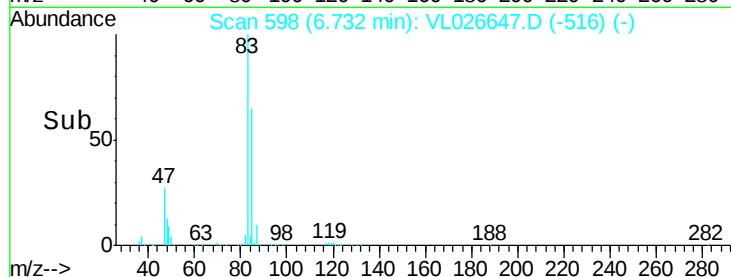
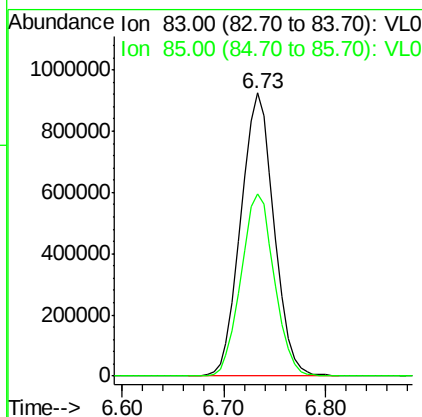
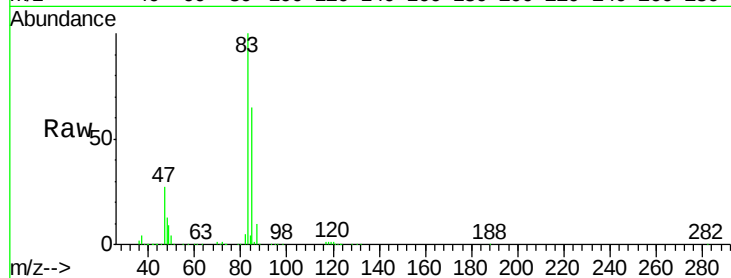
#29
Chloroform
Concen: 10.00 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2092157
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4

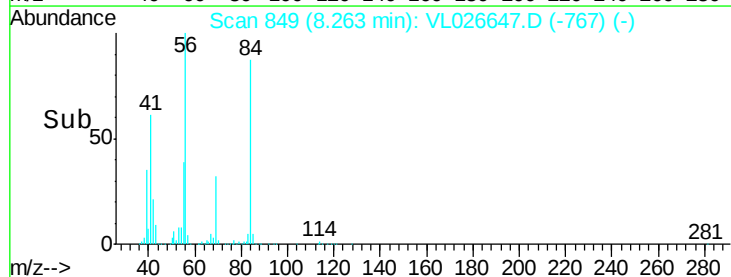
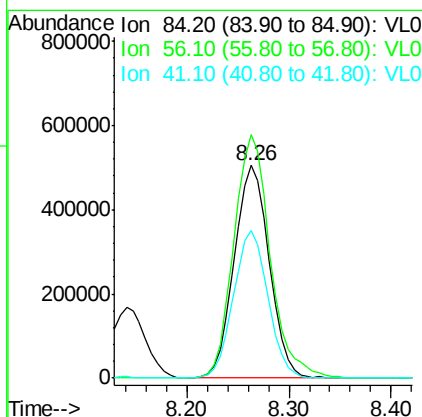
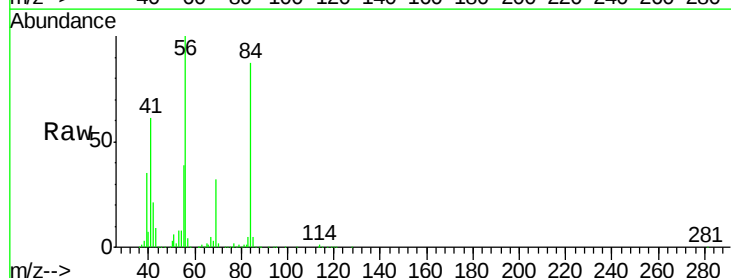
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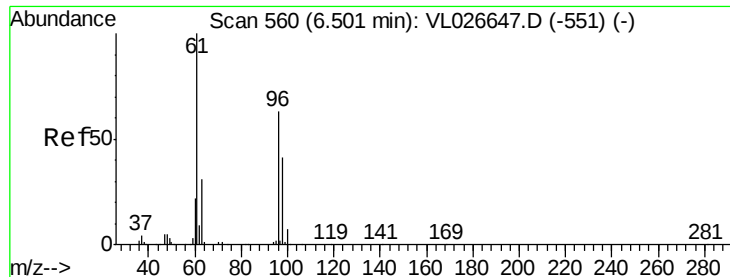
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#30
Cyclohexane
Concen: 10.00 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 84 Resp: 1199612
Ion Ratio Lower Upper
84 100
56 119.9 95.9 143.9
41 68.5 54.8 82.2





#31

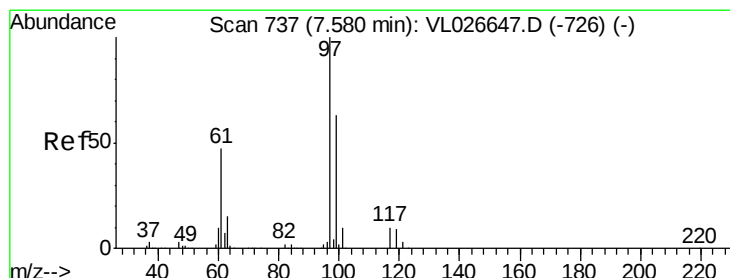
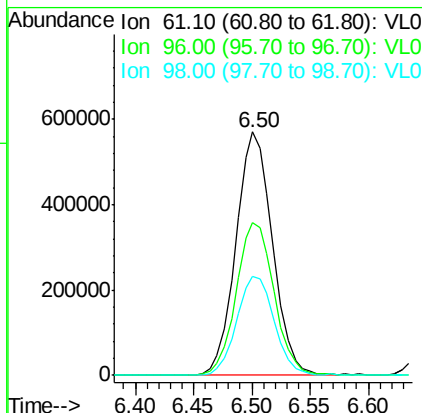
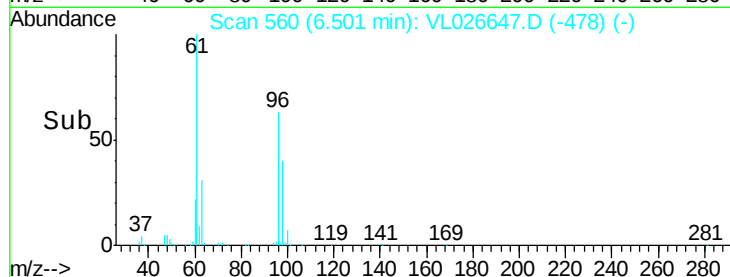
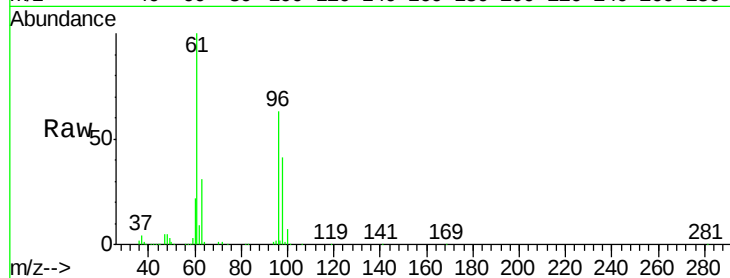
cis-1,2-Dichloroethene
 Concen: 10.00 ppbv
 RT: 6.50 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.8	50.2	75.4
98	40.5	32.4	48.6

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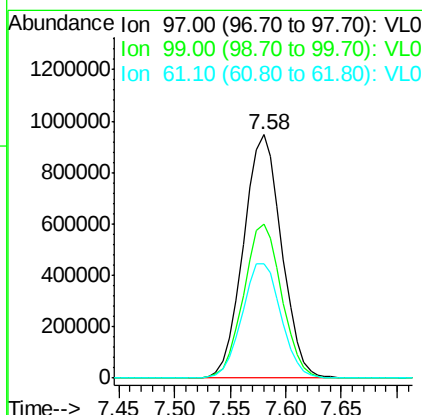
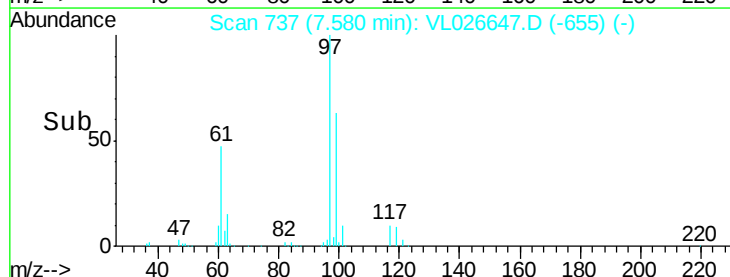
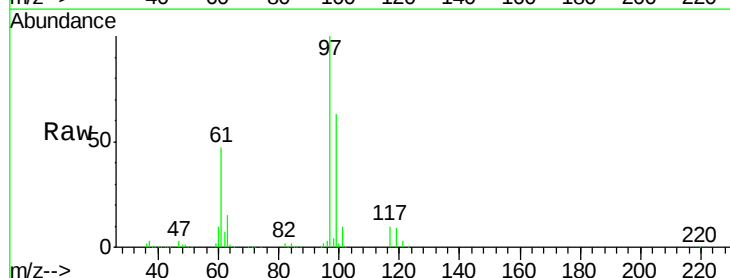
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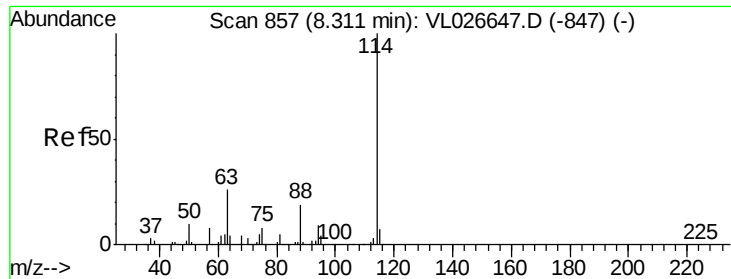


#32

1,1,1-Trichloroethane
 Concen: 10.00 ppbv
 RT: 7.58 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	48.6	38.6	58.0





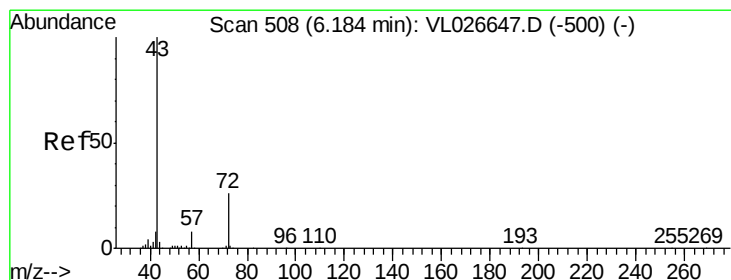
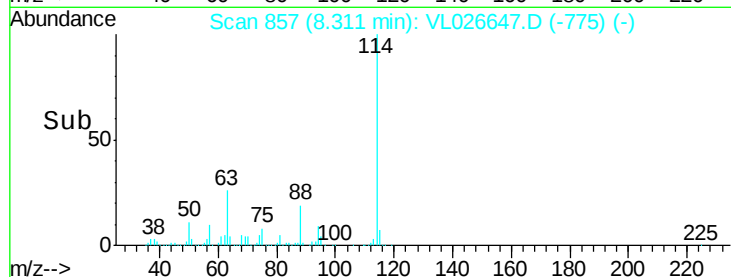
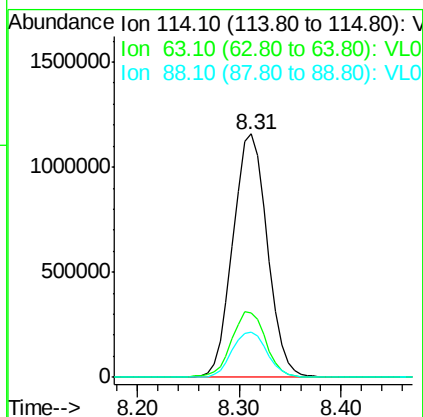
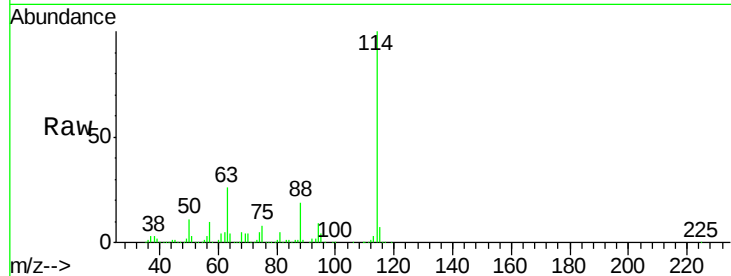
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	21.7	32.5
88	19.0	15.2	22.8

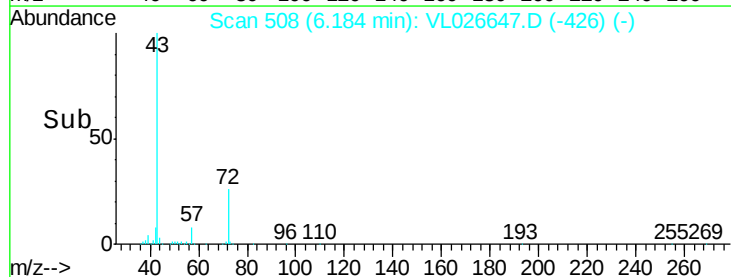
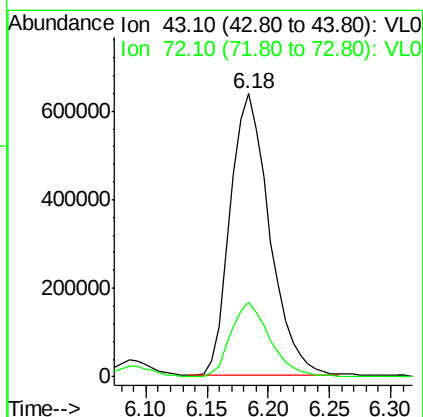
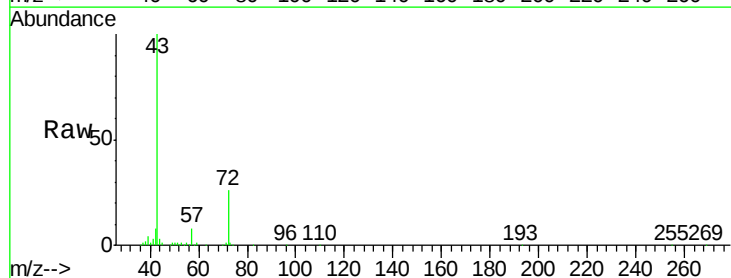
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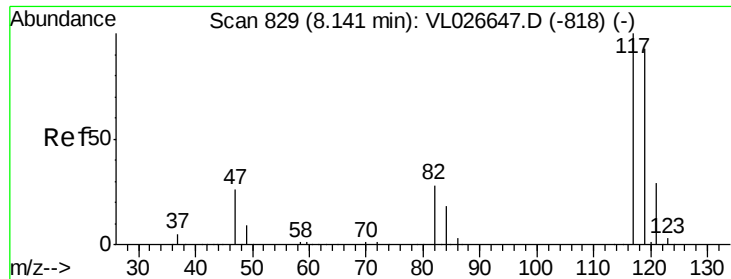
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#34
 2-Butanone
 Concen: 10.00 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.9	31.3





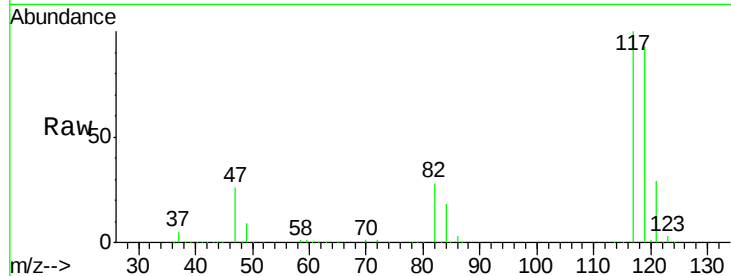
#35
Carbon Tetrachloride
Concen: 10.00 ppbv
RT: 8.14 min Scan# 829
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

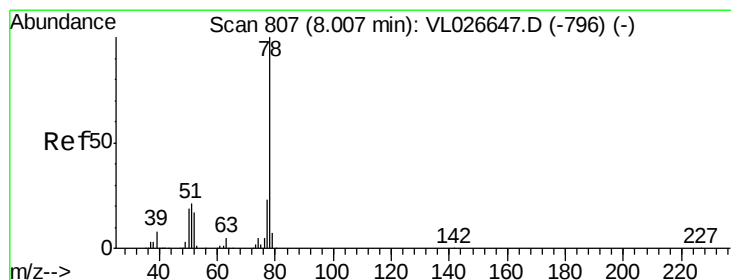
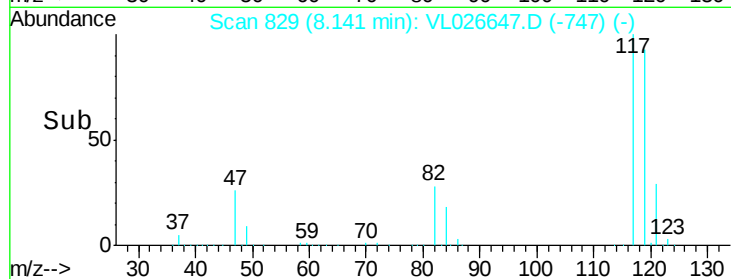
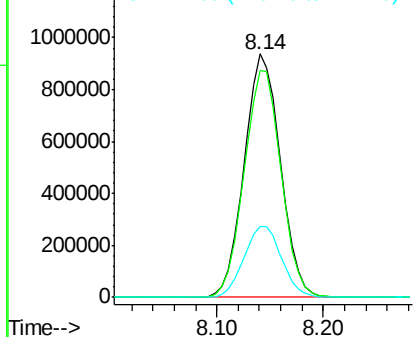
Tot Ion:117 Resp: 2240260
Ion Ratio Lower Upper
117 100
119 93.4 74.7 112.1
121 28.9 23.1 34.7

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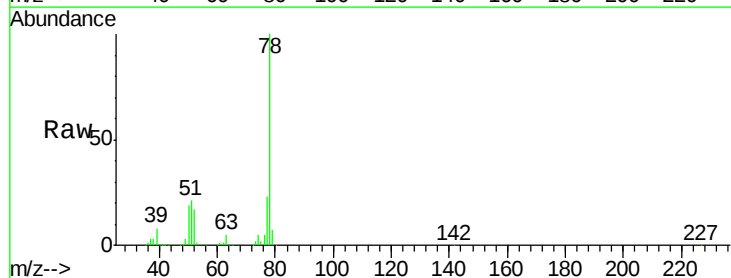


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

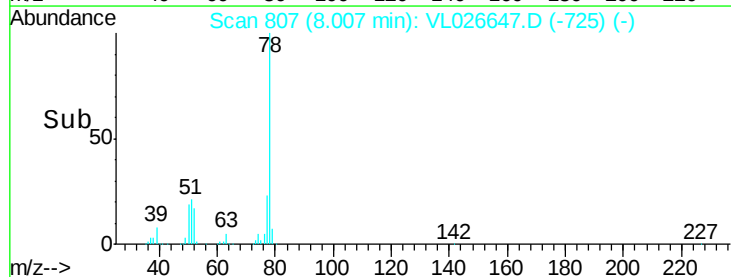
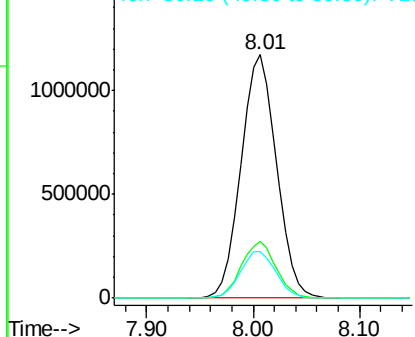


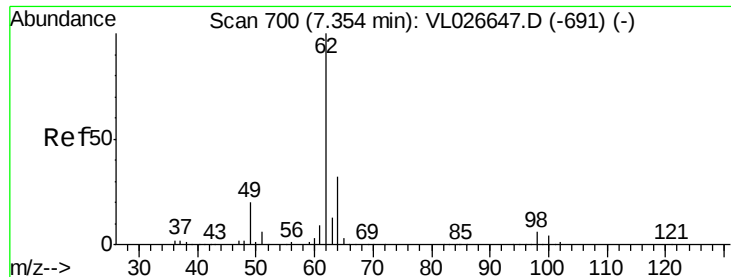
#36
Benzene
Concen: 10.00 ppbv
RT: 8.01 min Scan# 807
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 78 Resp: 2745869
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 19.3 15.4 23.2



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





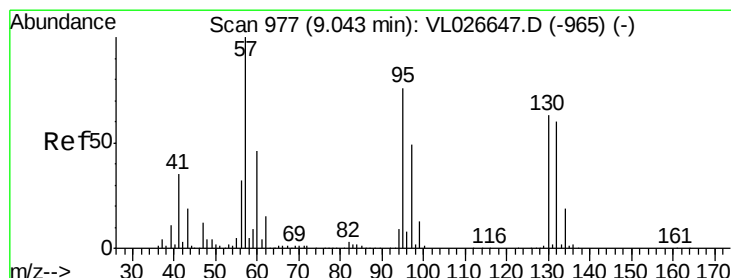
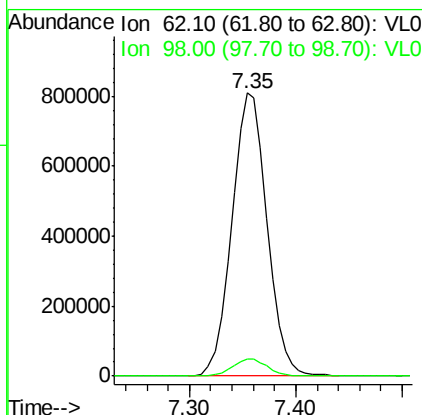
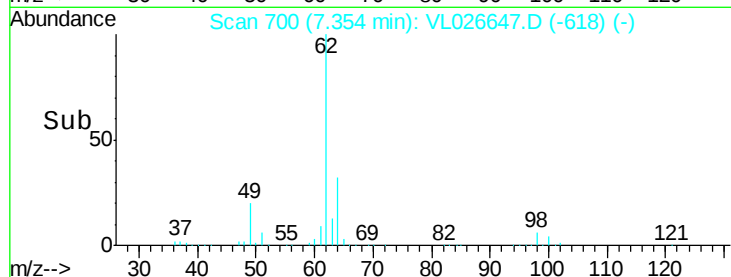
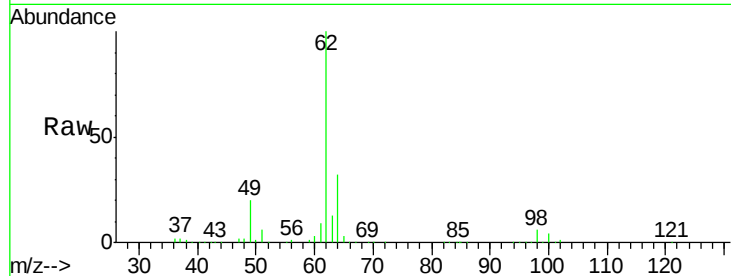
#37
 1,2-Dichloroethane
 Concen: 10.00 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1871417
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2

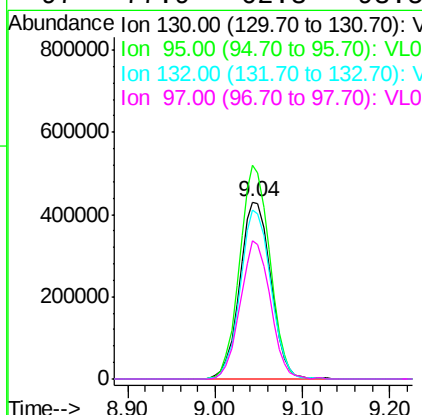
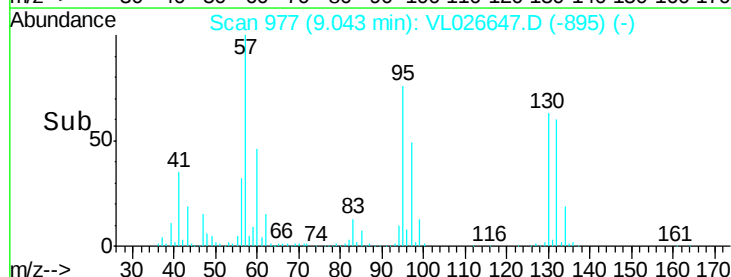
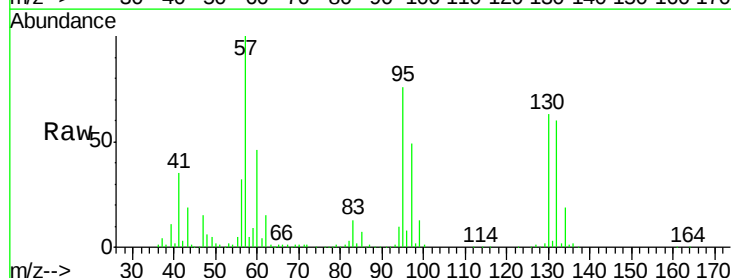
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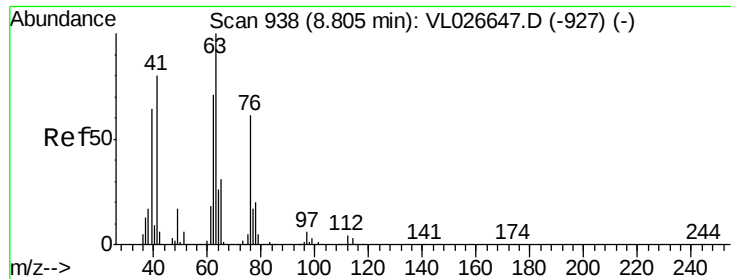
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#38
 Trichloroethene
 Concen: 10.00 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion:130 Resp: 1066765
 Ion Ratio Lower Upper
 130 100
 95 120.8 96.6 145.0
 132 95.3 76.2 114.4
 97 77.9 62.3 93.5





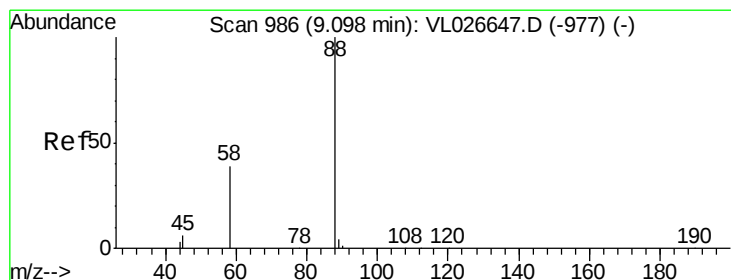
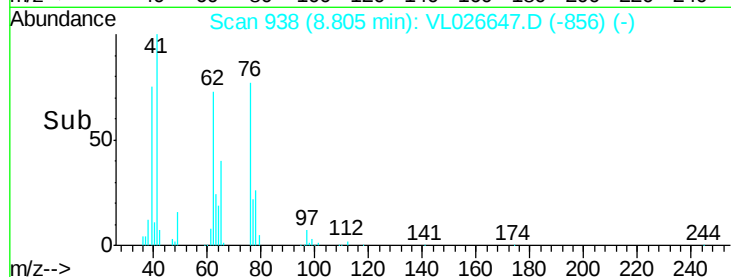
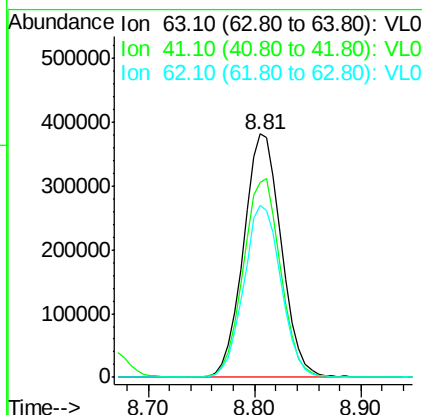
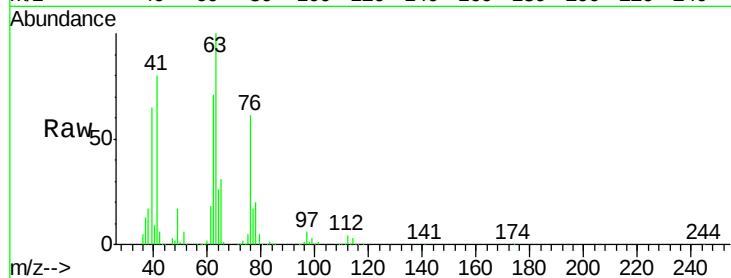
#39
 1,2-Dichloropropane
 Concen: 10.00 ppbv
 RT: 8.81 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.1	64.1	96.1
62	70.7	56.6	84.8

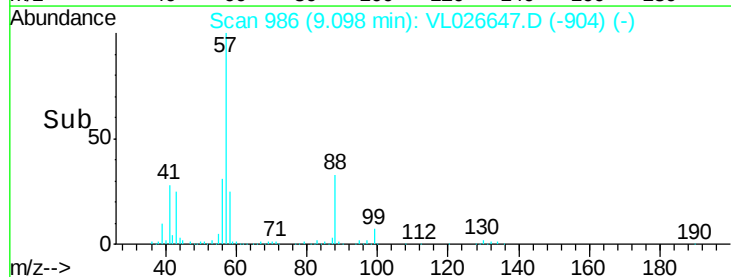
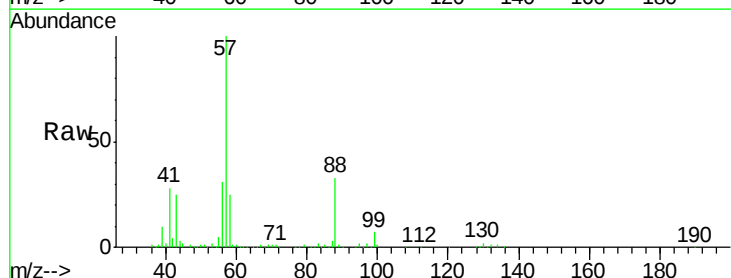
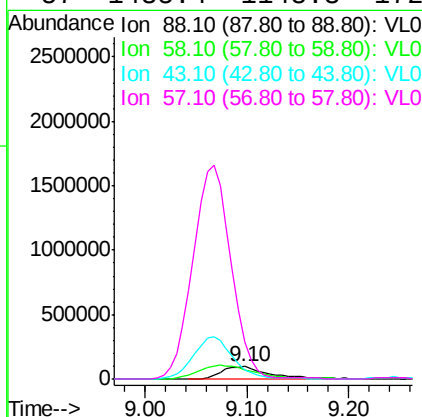
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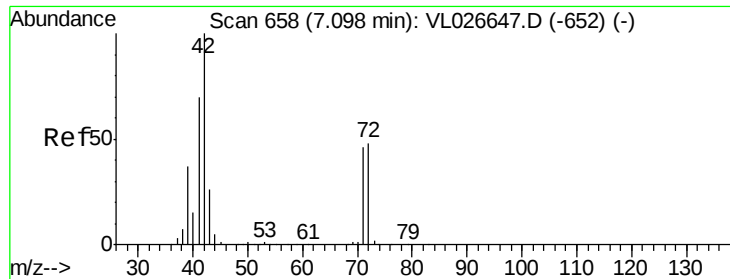
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#40
 1,4-Dioxane
 Concen: 10.00 ppbv
 RT: 9.10 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	136.8	109.4	164.2
43	297.7	238.2	357.2
57	1435.4	1148.3	1722.5





#41

Tetrahydrofuran

Concen: 10.00 ppbv

RT: 7.10 min Scan# 658

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

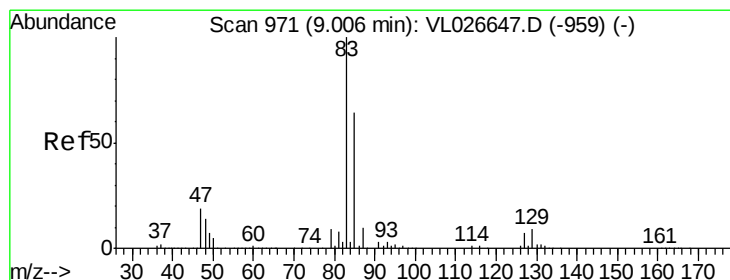
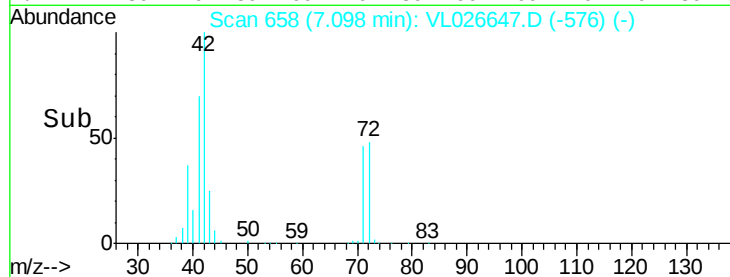
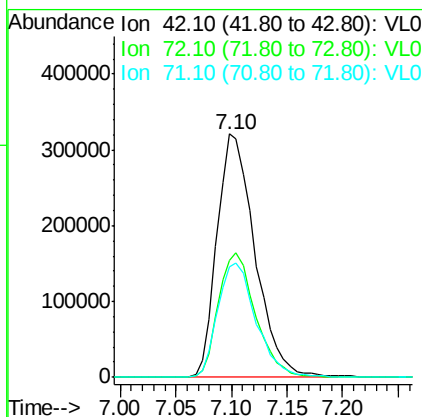
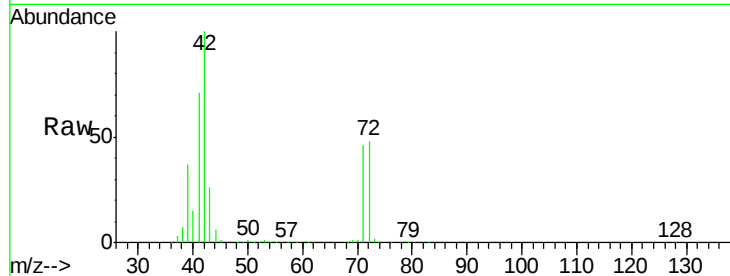
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	755734
Ion	Ratio	Lower	Upper
42	100		
72	50.7	40.6	60.8
71	48.0	38.4	57.6

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#42

Bromodichloromethane

Concen: 10.00 ppbv

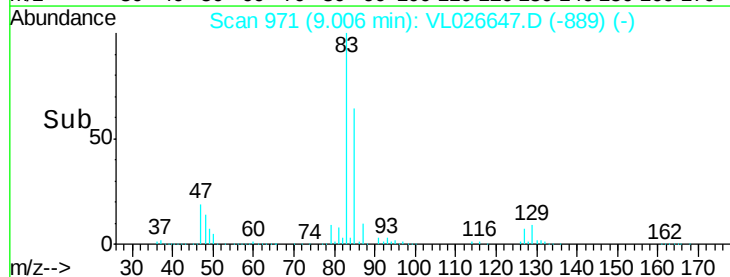
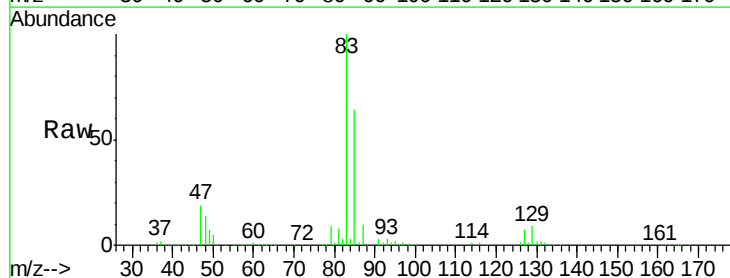
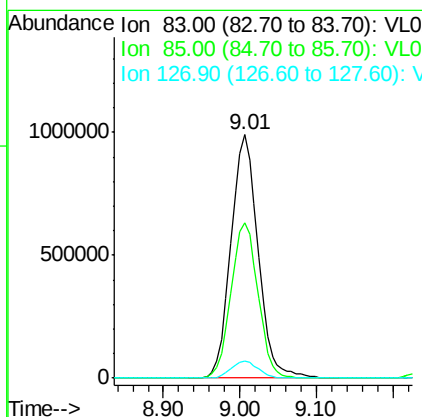
RT: 9.01 min Scan# 971

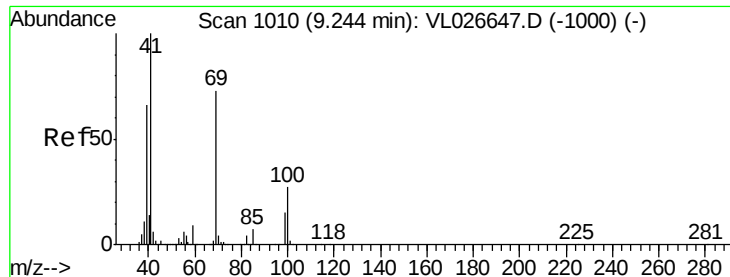
Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Tgt Ion:	83	Resp:	2436794
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	6.9	5.5	8.3





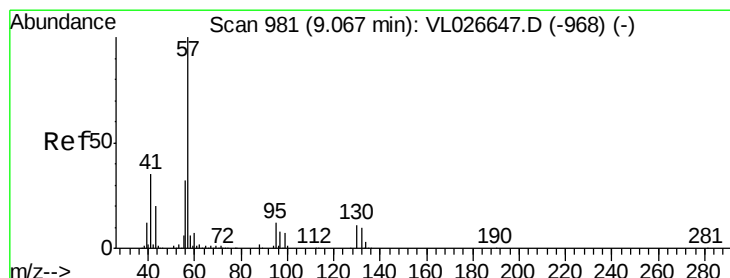
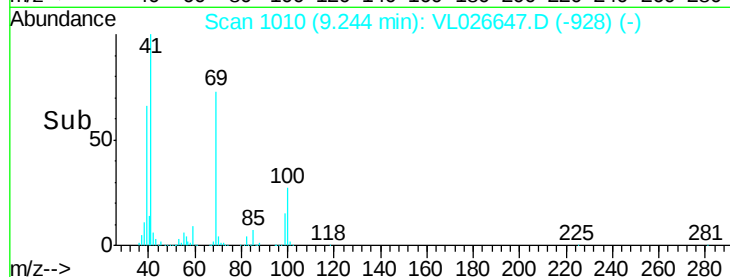
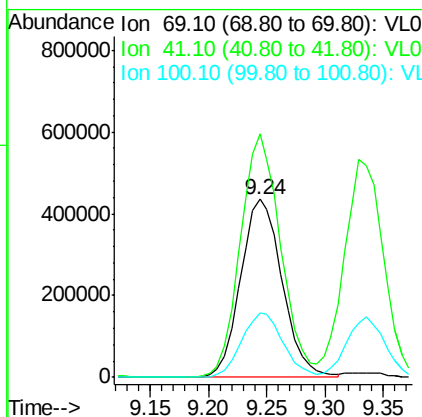
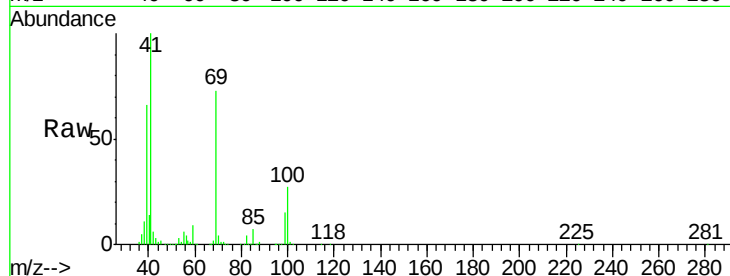
#43
Methvl Methacrvlate
Concen: 10.00 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1082504
Ion Ratio Lower Upper
69 100
41 132.6 106.1 159.1
100 36.2 29.0 43.4

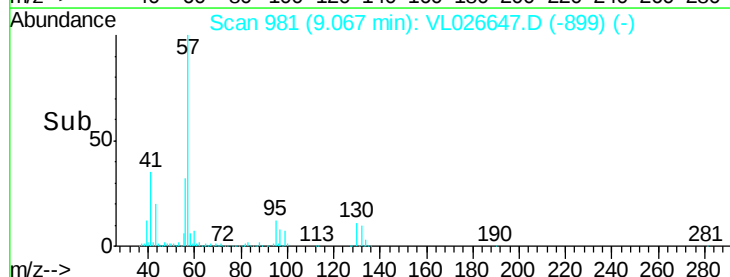
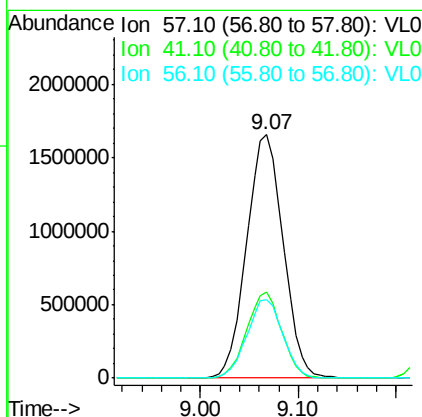
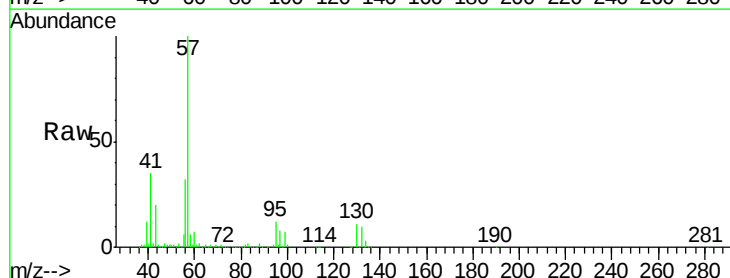
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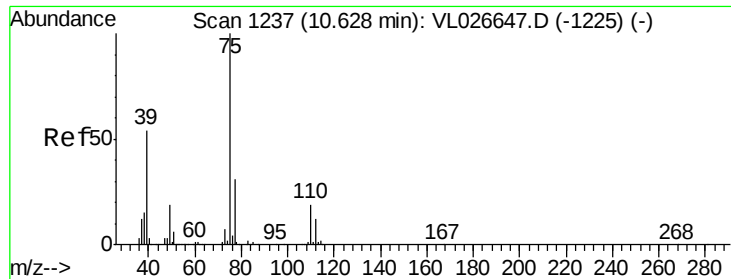
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#44
2,2,4-Trimethylpentane
Concen: 10.00 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 57 Resp: 4306519
Ion Ratio Lower Upper
57 100
41 33.6 26.9 40.3
56 31.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 10.00 ppbv

RT: 10.63 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1863419

Ion Ratio Lower Upper

75 100

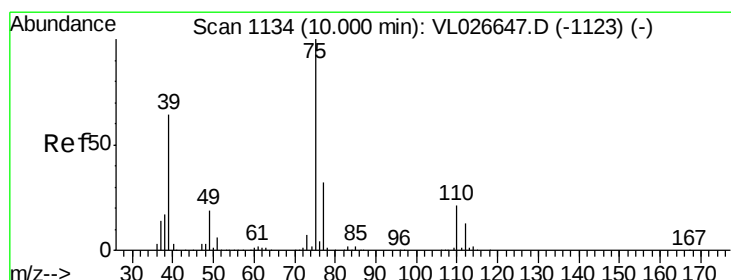
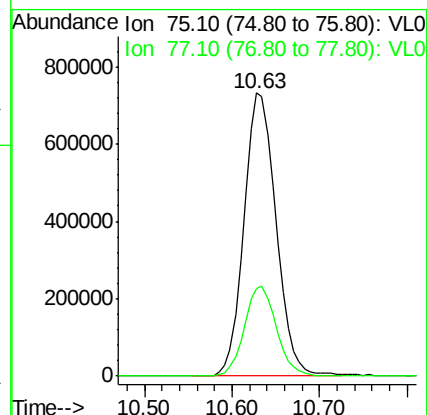
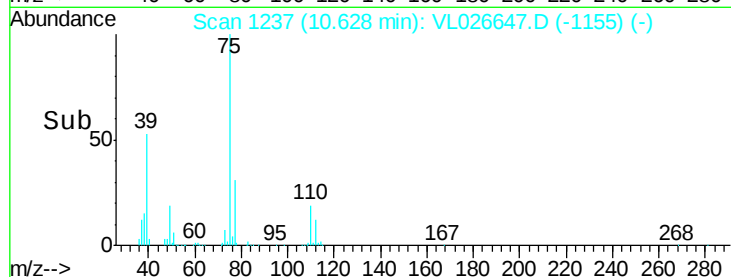
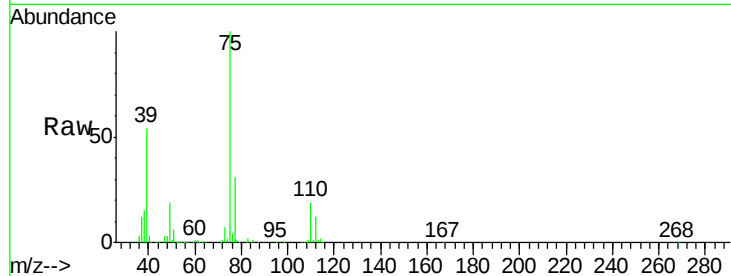
77 30.8 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 10.00 ppbv

RT: 10.00 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

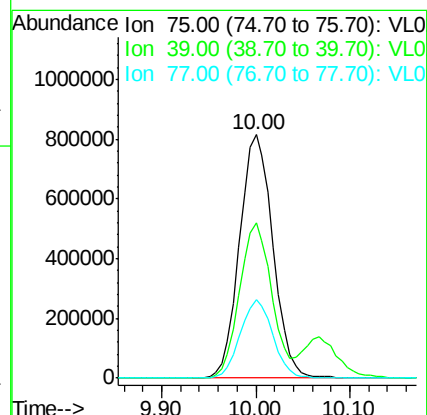
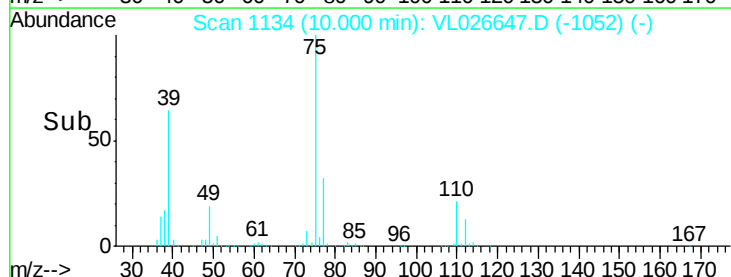
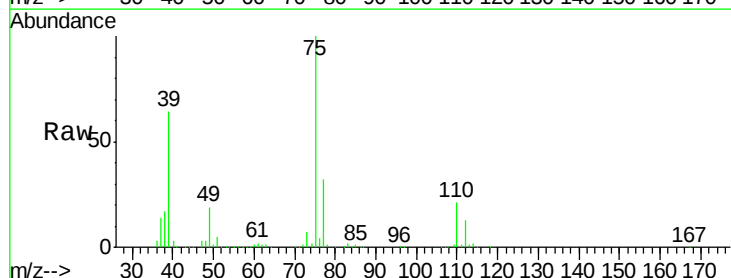
Tgt Ion: 75 Resp: 2017330

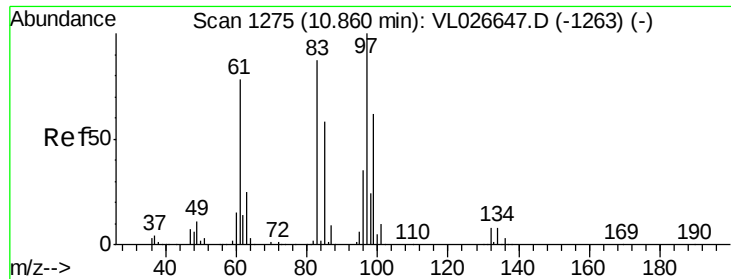
Ion Ratio Lower Upper

75 100

39 64.0 51.2 76.8

77 32.4 25.9 38.9





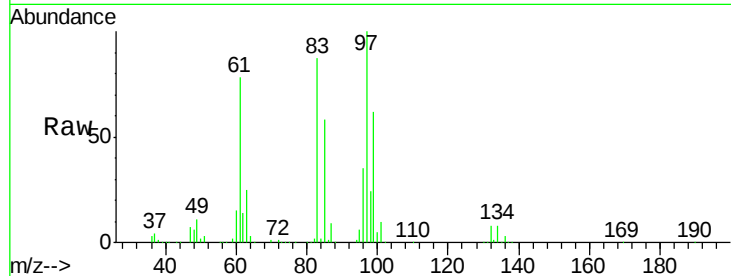
#47
 1,1,2-Trichloroethane
 Concen: 10.00 ppbv
 RT: 10.86 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

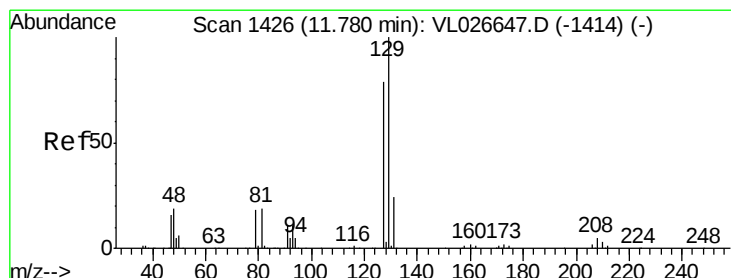
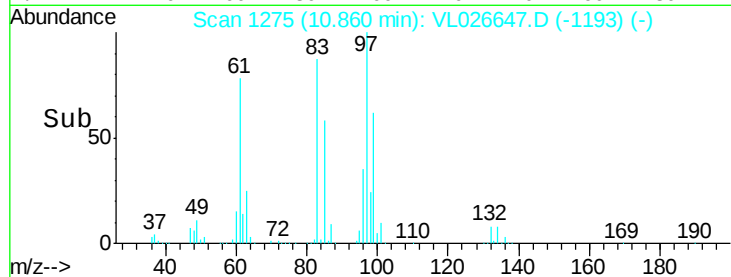
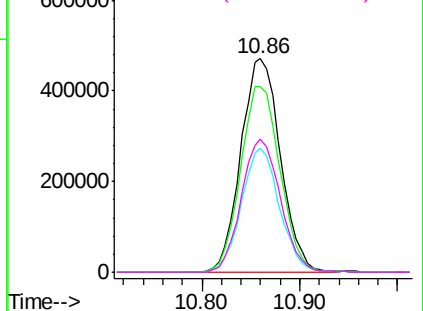
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	58.0	46.4	69.6
99	62.4	49.9	74.9

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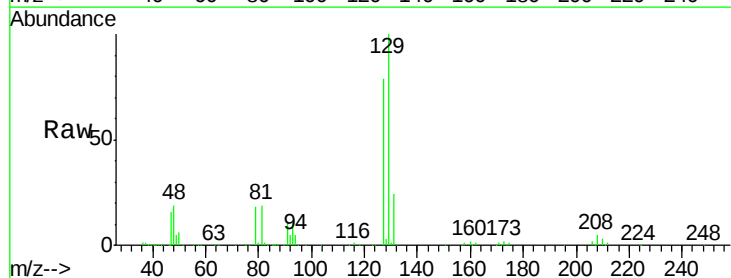


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

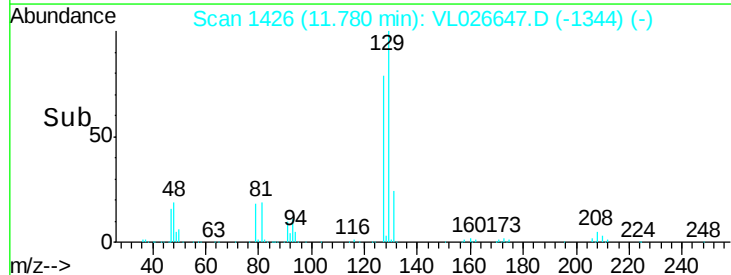
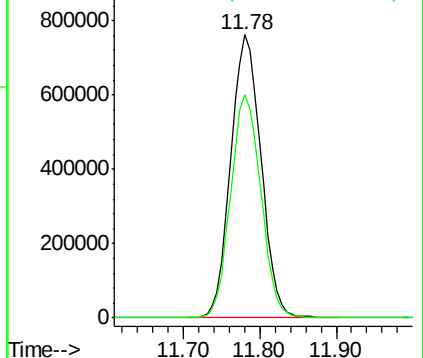


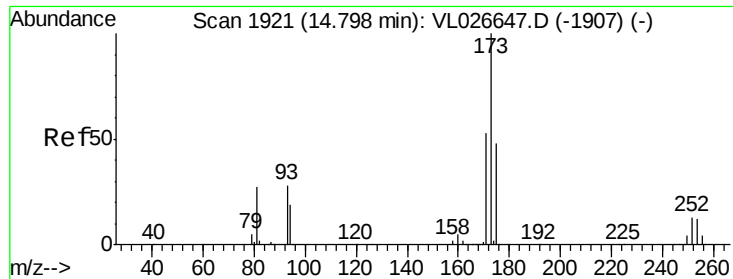
#48
 Dibromochloromethane
 Concen: 10.00 ppbv
 RT: 11.78 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.5	118.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.00 ppbv

RT: 14.80 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1751468

Ion Ratio Lower Upper

173 100

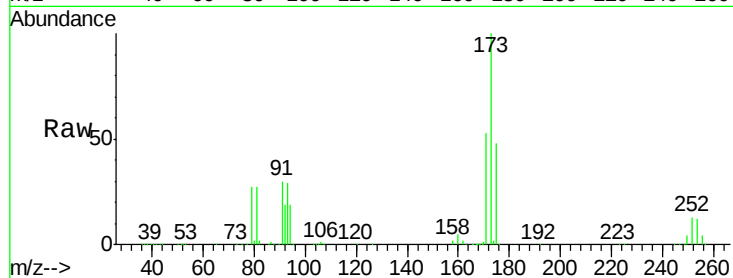
175 48.3 38.6 57.8

171 51.9 41.5 62.3

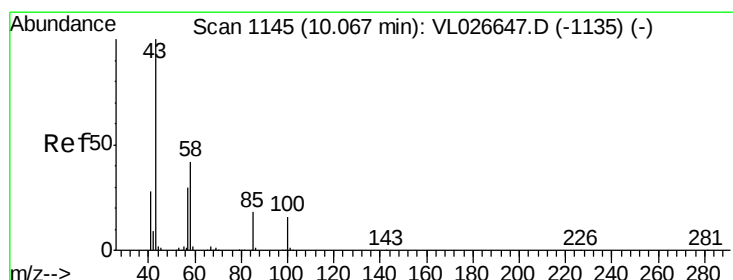
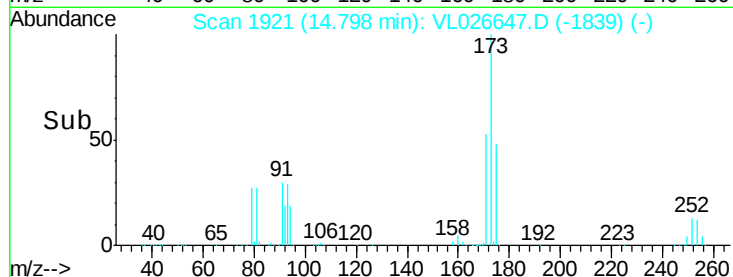
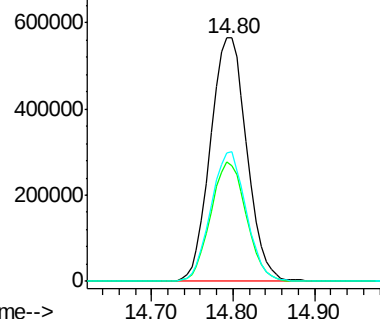
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.00 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026647.D

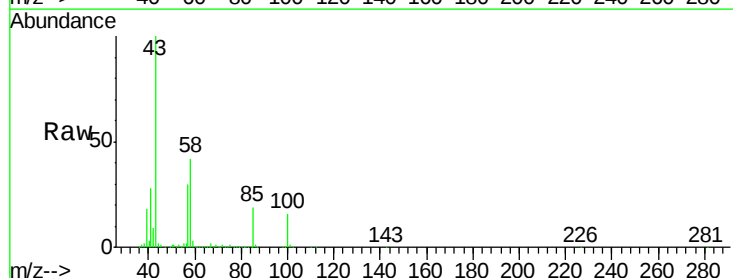
Acq: 8 Jan 2016 15:13

Tgt Ion: 43 Resp: 2106920

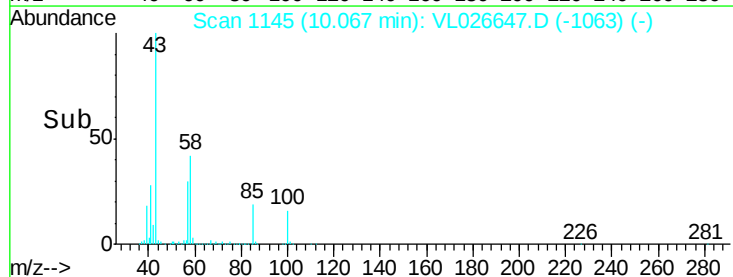
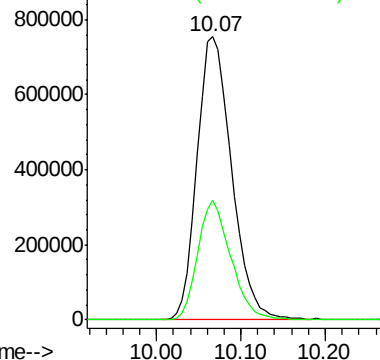
Ion Ratio Lower Upper

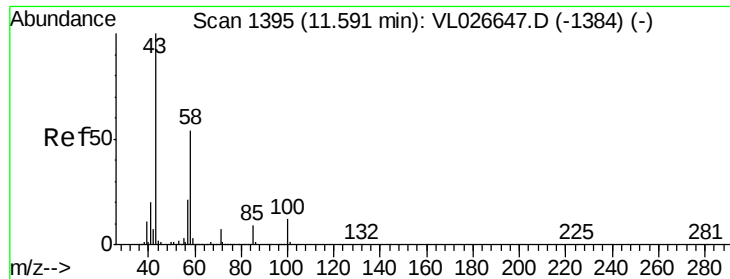
43 100

58 40.5 32.4 48.6



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





#51

2-Hexanone

Concen: 10.00 ppbv

RT: 11.59 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2057028

Ion Ratio Lower Upper

43 100

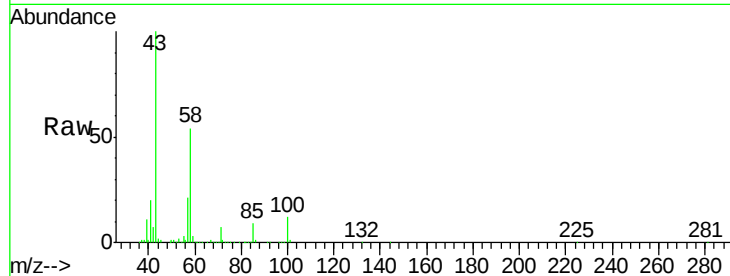
58 56.1 44.9 67.3

98 0.2 0.2 0.2

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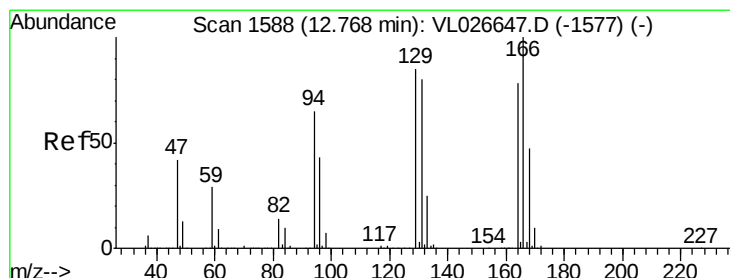
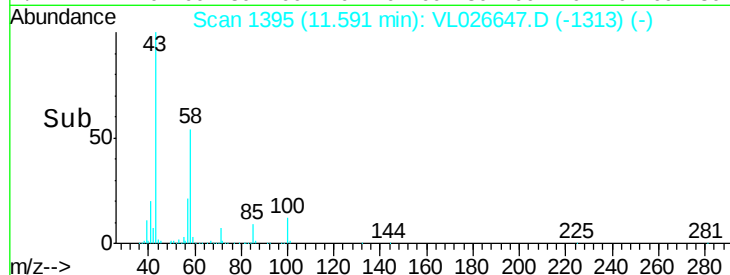
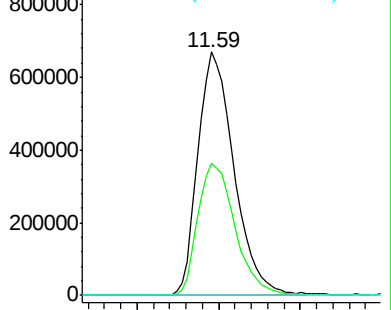
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.00 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Tgt Ion:164 Resp: 1201407

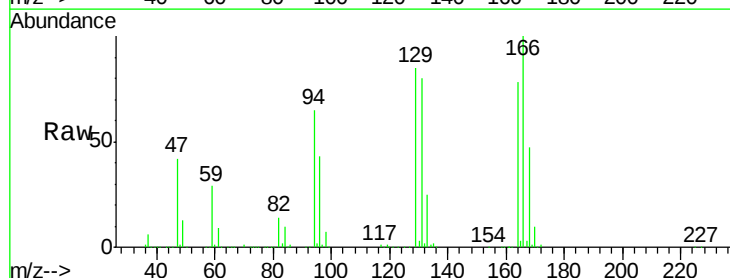
Ion Ratio Lower Upper

164 100

166 128.1 102.5 153.7

129 108.8 87.0 130.6

131 103.1 82.5 123.7

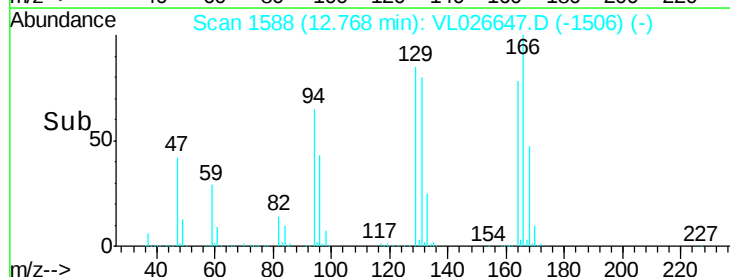
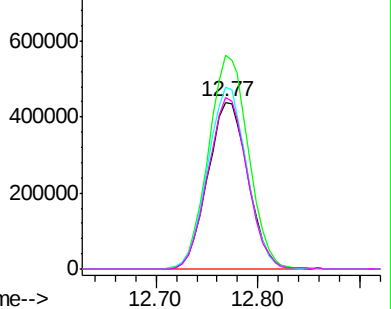


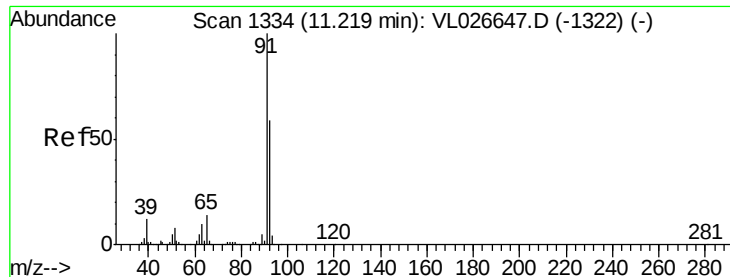
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.00 ppbv

RT: 11.22 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3916986

Ion Ratio Lower Upper

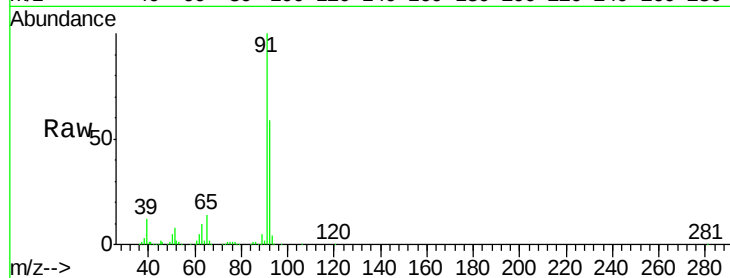
91 100

92 60.3 48.2 72.4

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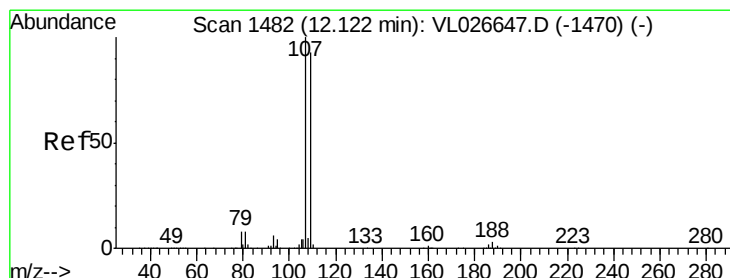
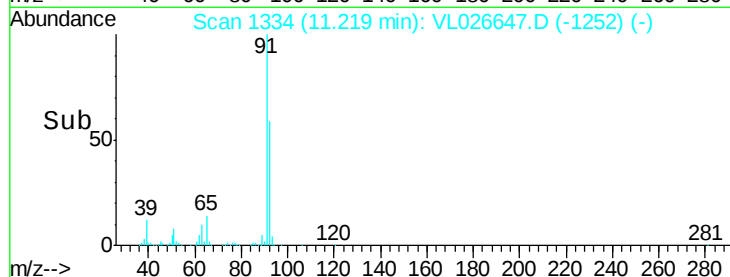
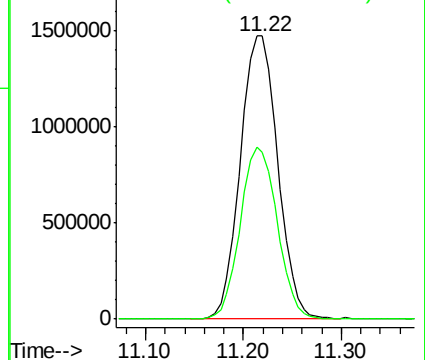
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.00 ppbv

RT: 12.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VL026647.D

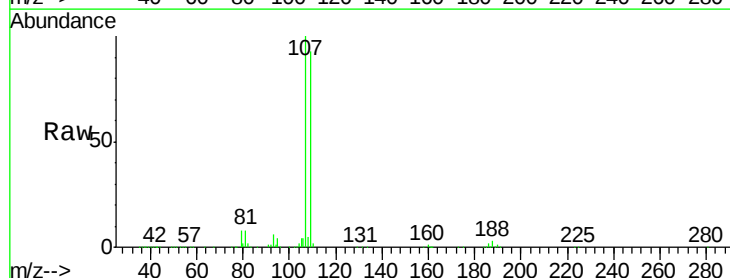
Acq: 8 Jan 2016 15:13

Tgt Ion: 107 Resp: 2083715

Ion Ratio Lower Upper

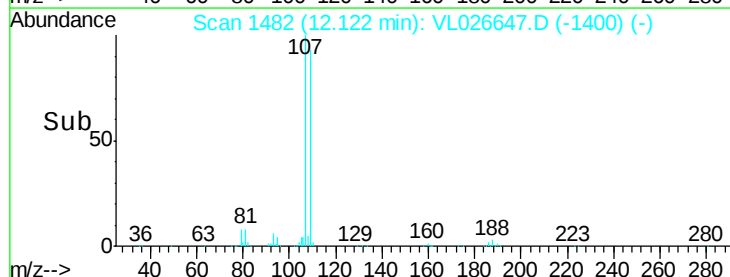
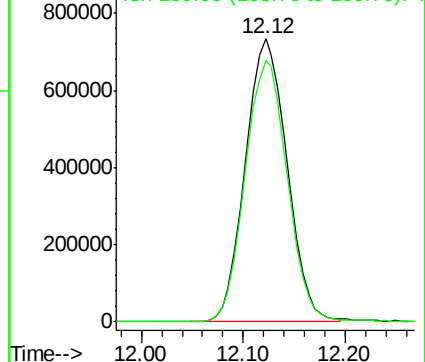
107 100

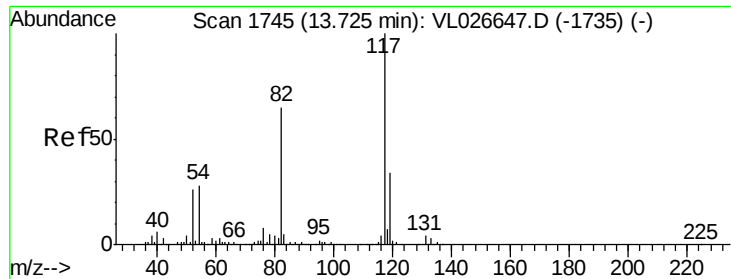
109 92.6 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





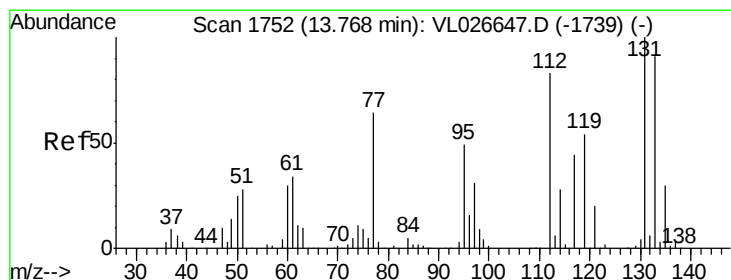
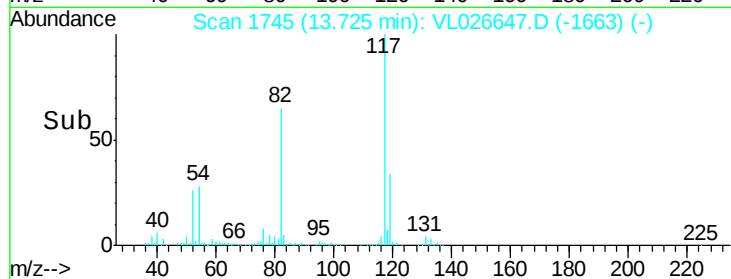
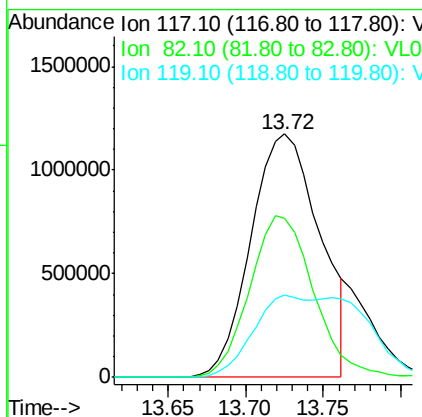
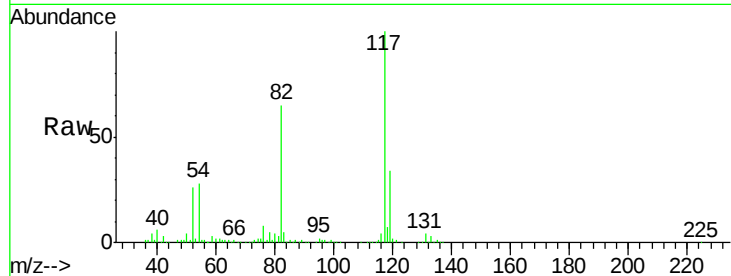
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.72 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3642464
Ion Ratio Lower Upper
117 100
82 62.1 52.4 78.6
119 54.8 46.1 69.1

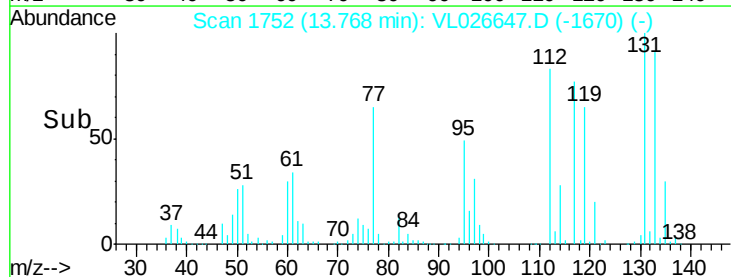
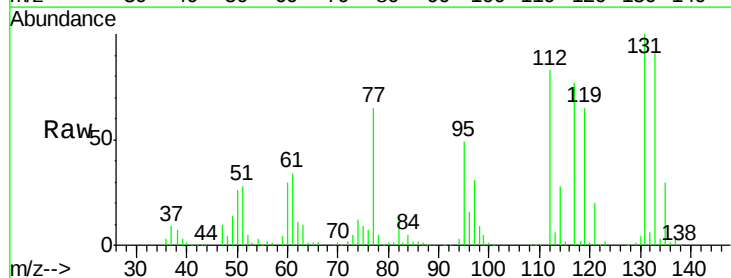
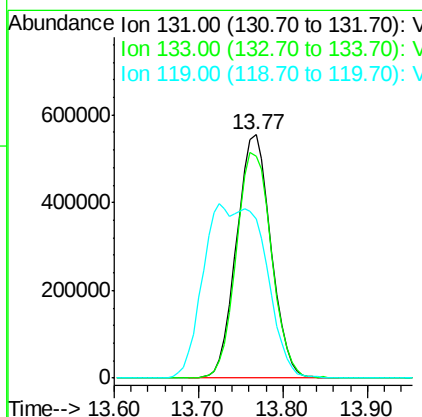
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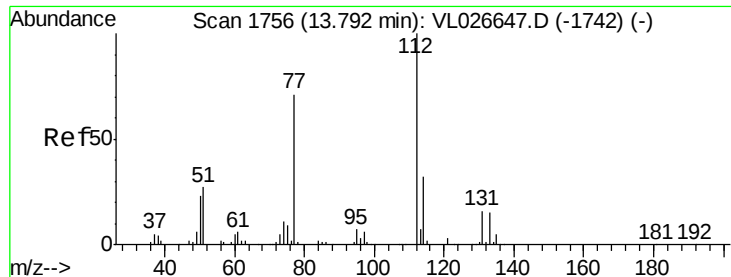
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.52 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:131 Resp: 1531527
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 130.4 104.3 156.5





#57

Chlorobenzene

Concen: 9.52 ppbv

RT: 13.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 3238048

Ion Ratio Lower Upper

112 100

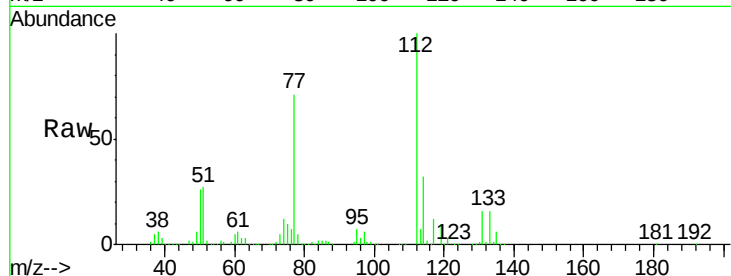
77 71.1 56.9 85.3

114 32.0 28.8 35.2

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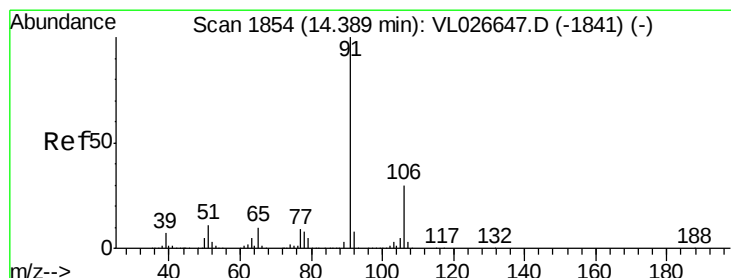
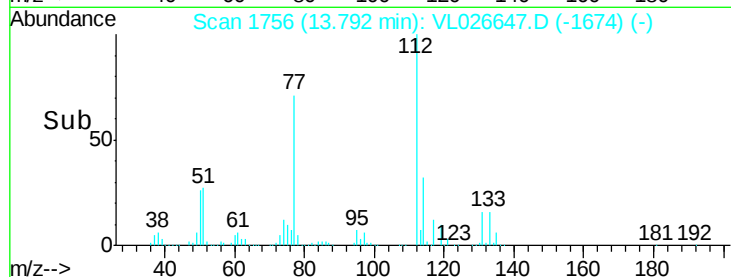
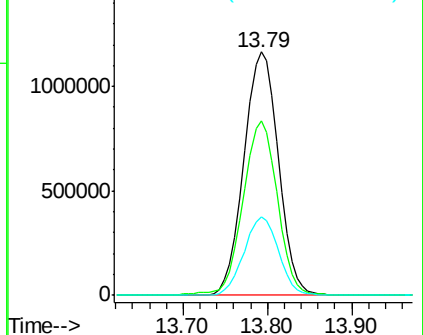
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.52 ppbv

RT: 14.39 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL026647.D

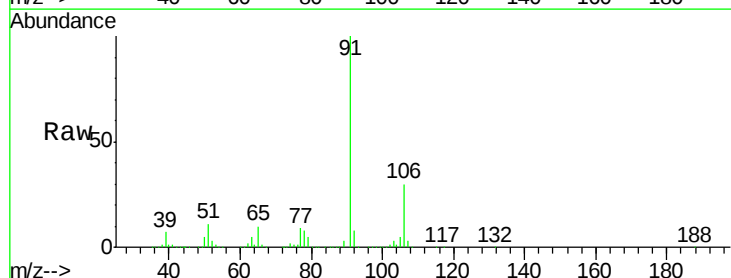
Acq: 8 Jan 2016 15:13

Tgt Ion: 91 Resp: 6189581

Ion Ratio Lower Upper

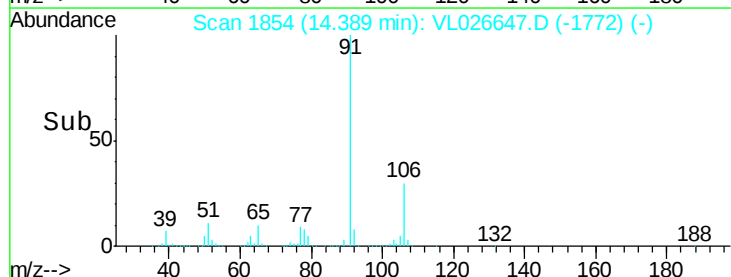
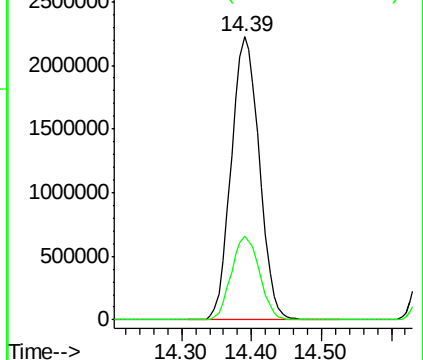
91 100

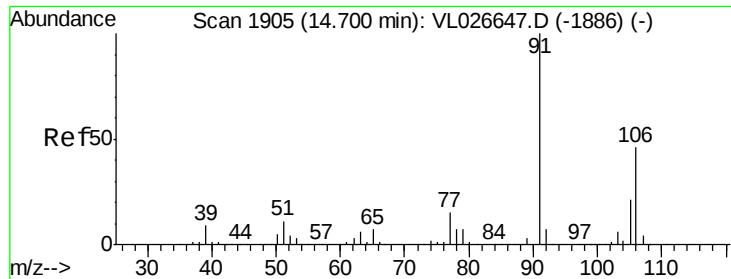
106 29.7 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





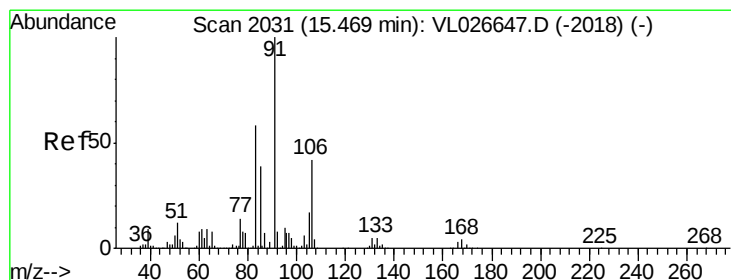
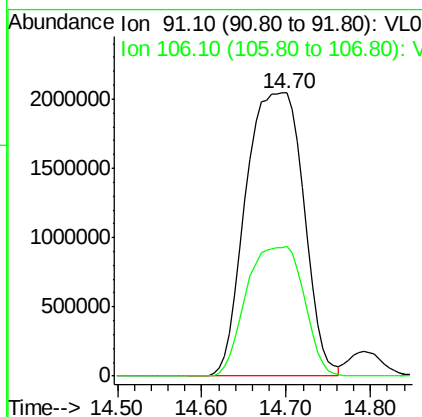
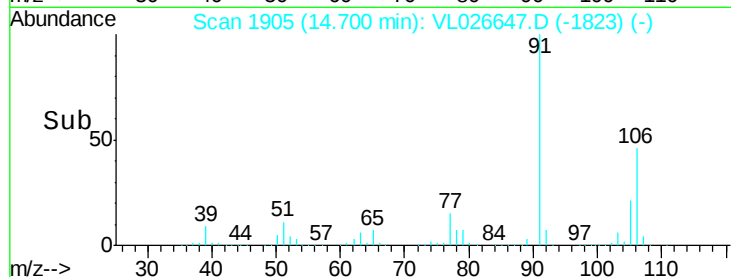
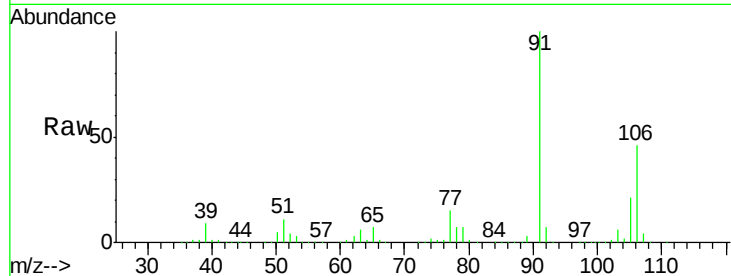
#59
m/p-Xylene
Concen: 19.05 ppbv
RT: 14.70 min Scan# 1905
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 9602433
Ion Ratio Lower Upper
91 100
106 45.8 36.6 55.0

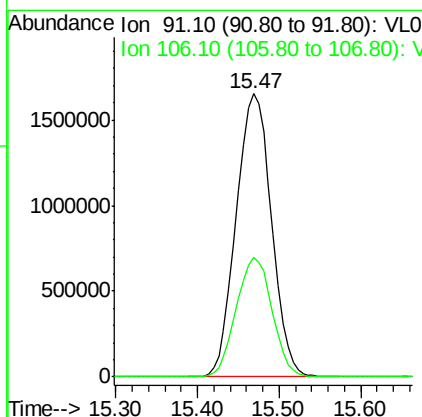
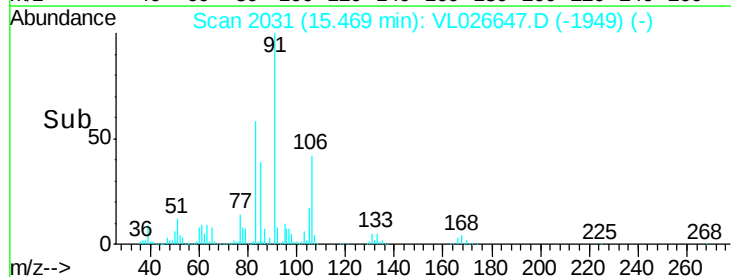
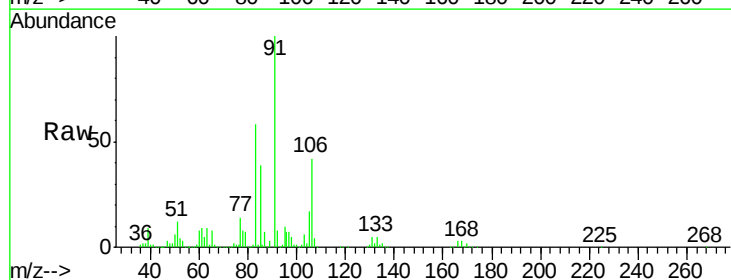
Manual Integrations
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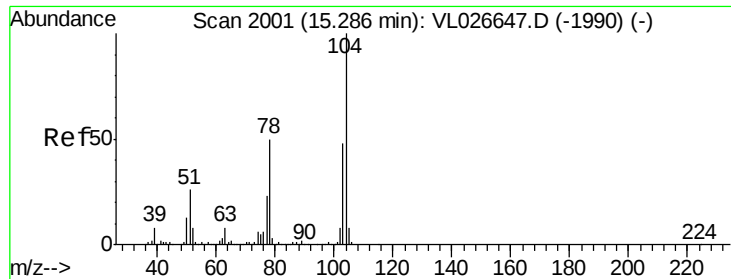
apatel
1/11/2016 4:59:31 PM



#60
o-Xylene
Concen: 9.52 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion: 91 Resp: 4972456
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3





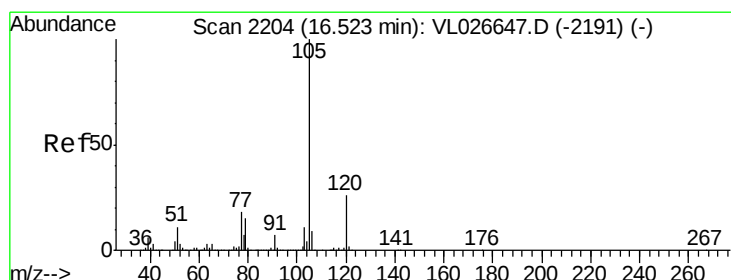
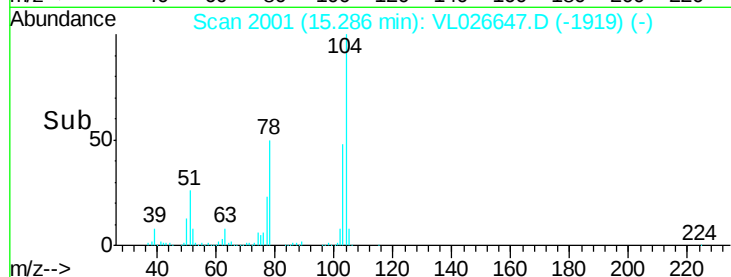
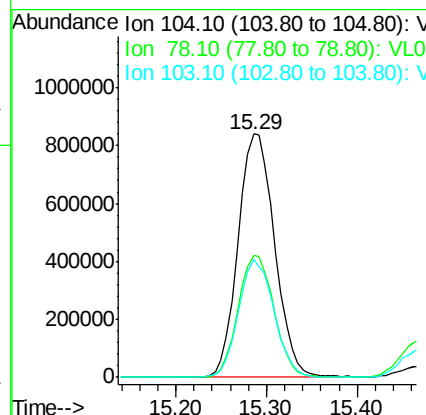
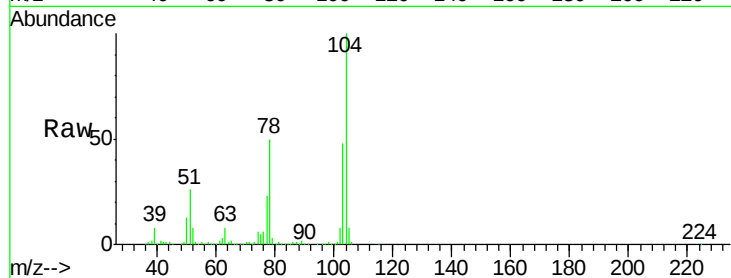
#61
Stvrene
Concen: 9.52 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion:104 Resp: 2366606
Ion Ratio Lower Upper
104 100
78 49.5 39.5 59.3
103 47.2 37.8 56.6

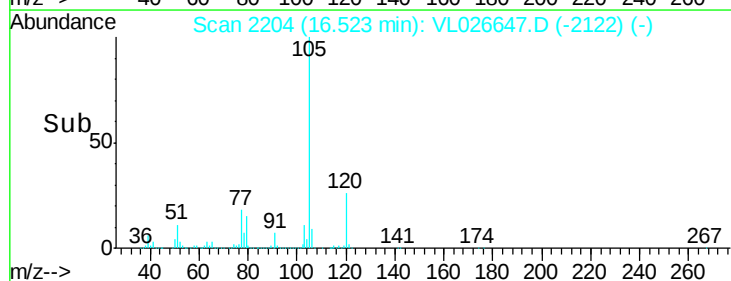
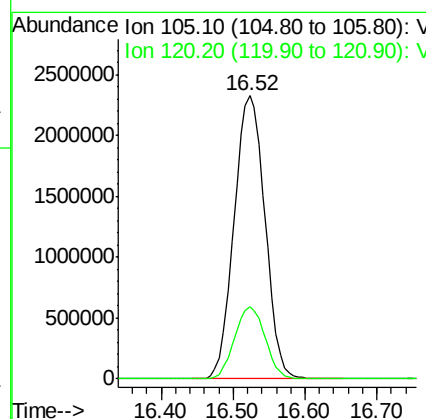
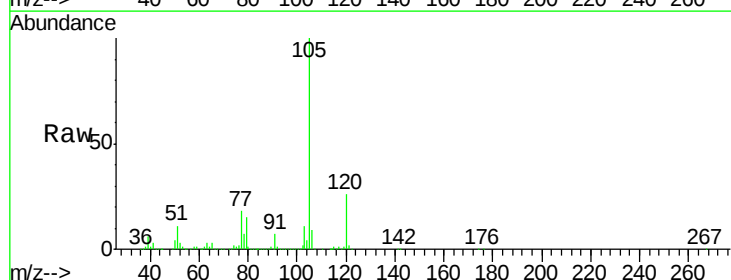
Manual Integrations
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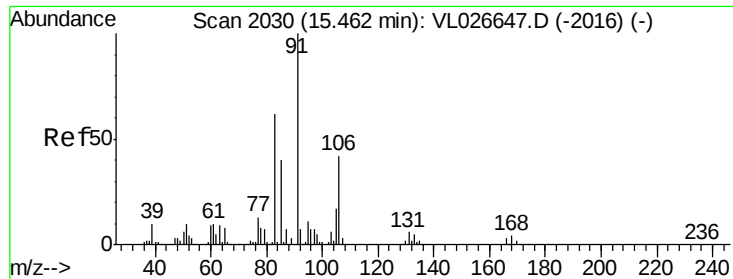
apatel
1/11/2016 4:59:31 PM



#62
Isopropylbenzene
Concen: 9.52 ppbv
RT: 16.52 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VL026647.D
Acq: 8 Jan 2016 15:13

Tgt Ion:105 Resp: 6924473
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 9.52 ppbv

RT: 15.46 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 3185141

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.4

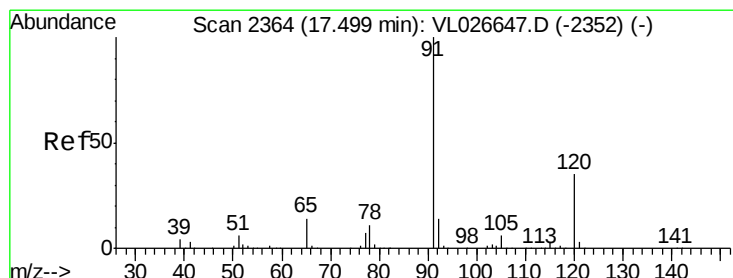
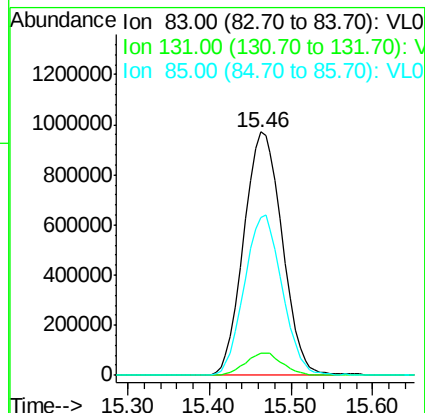
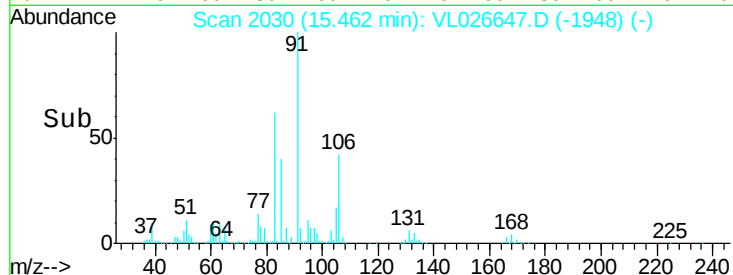
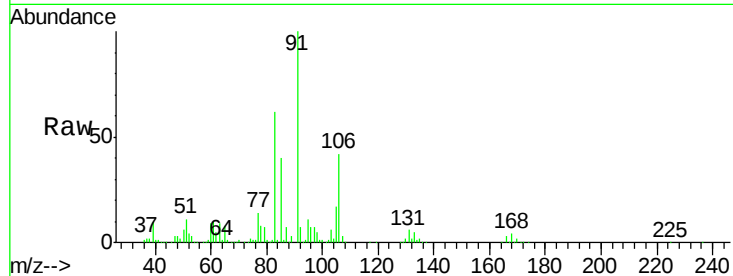
85 65.1 32.6 97.7

Manual Integrations

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#64

n-propylbenzene

Concen: 9.52 ppbv

RT: 17.50 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VL026647.D

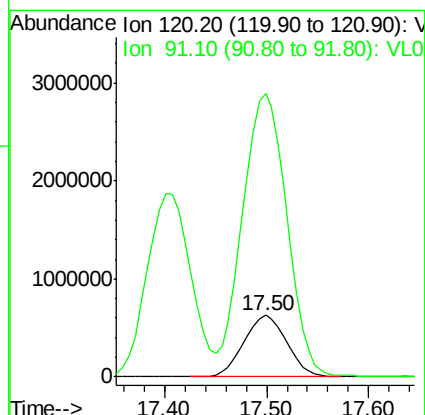
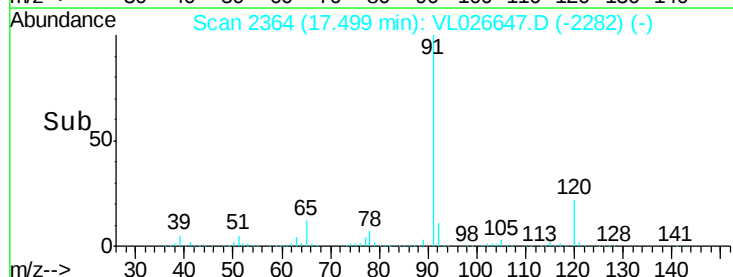
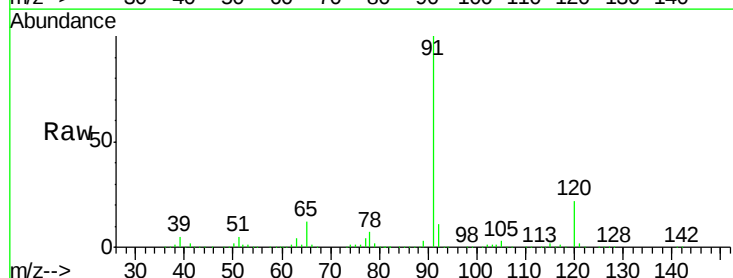
Acq: 8 Jan 2016 15:13

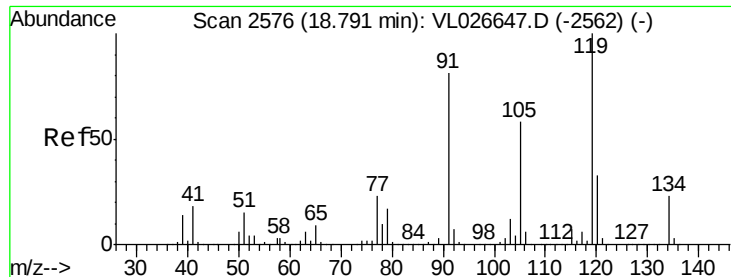
Tgt Ion:120 Resp: 1835052

Ion Ratio Lower Upper

120 100

91 469.7 380.9 571.3





#65

tert-Butylbenzene

Concen: 9.52 ppbv

RT: 18.79 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 5765505

Ion Ratio Lower Upper

119 100

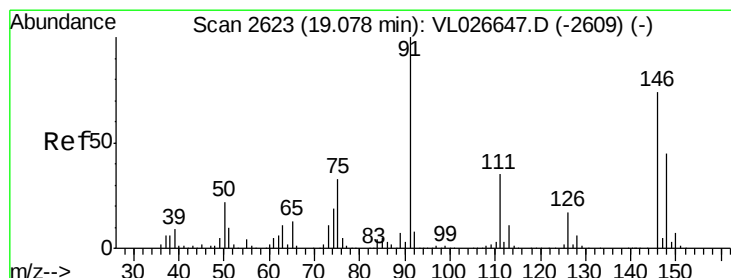
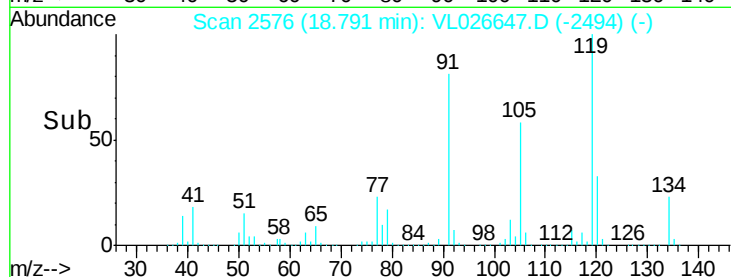
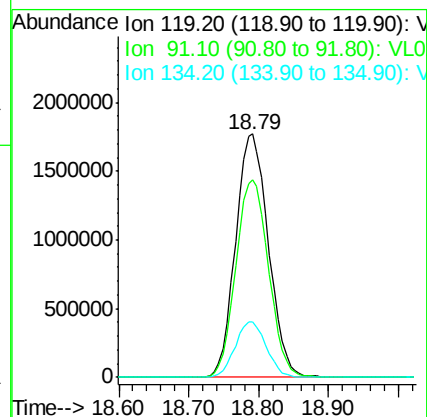
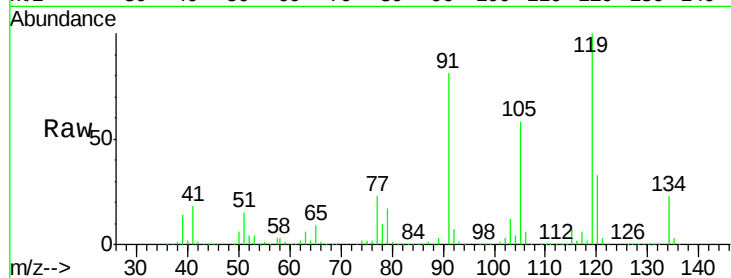
91 81.0 64.8 97.2

134 21.7 17.4 26.0

Manual Integrations
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#66

Benzyl Chloride

Concen: 9.52 ppbv

RT: 19.08 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

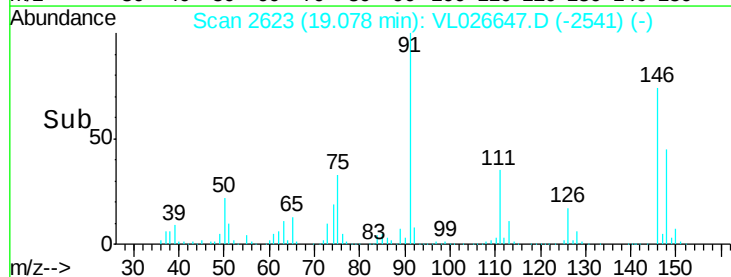
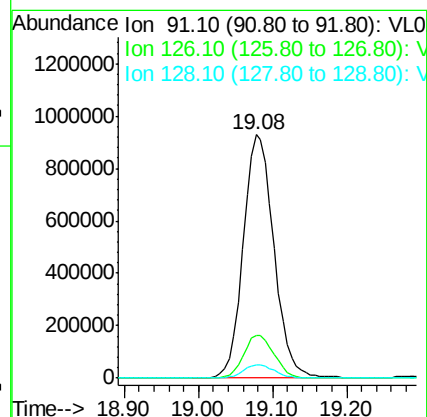
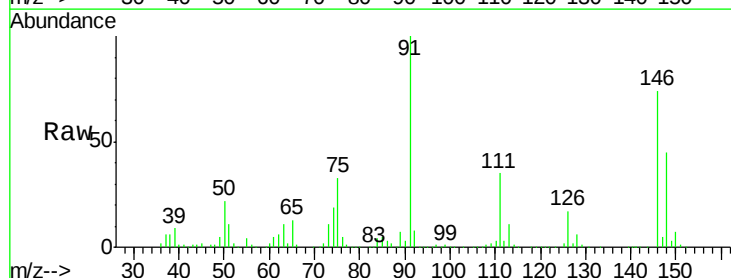
Tgt Ion: 91 Resp: 2677167

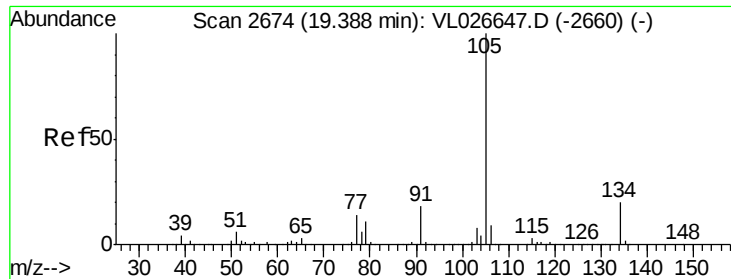
Ion Ratio Lower Upper

91 100

126 17.7 14.2 21.2

128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.52 ppbv

RT: 19.39 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 8968229

Ion Ratio Lower Upper

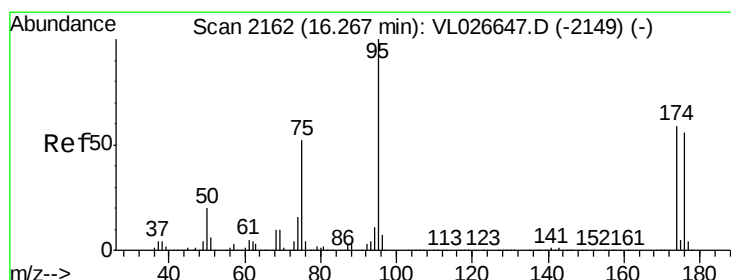
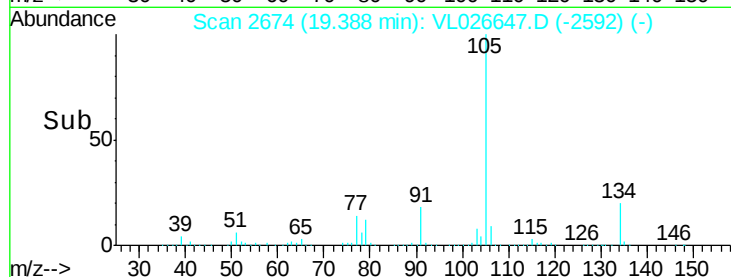
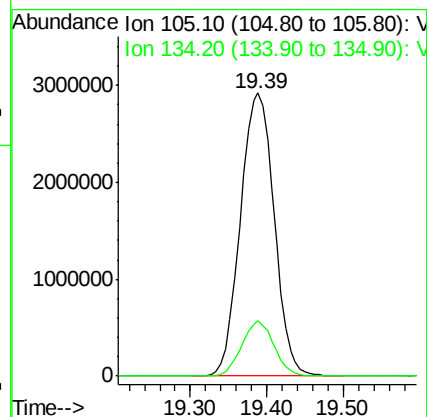
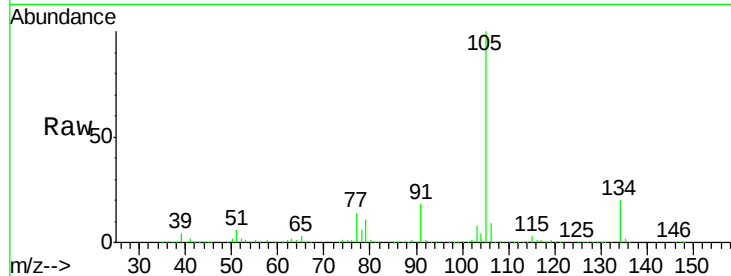
105 100

134 18.6 14.9 22.3

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.52 ppbv

RT: 16.27 min Scan# 2162

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

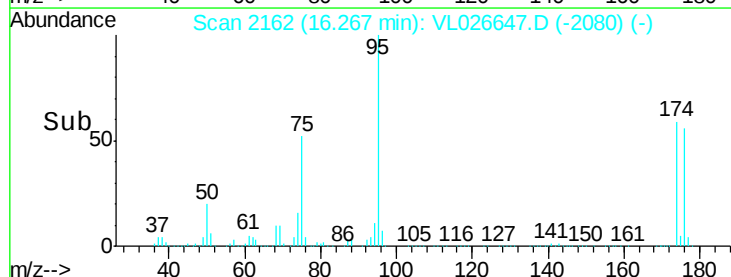
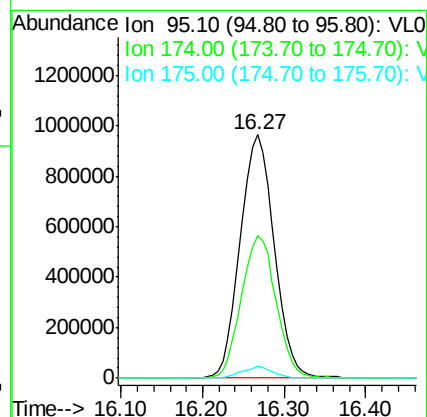
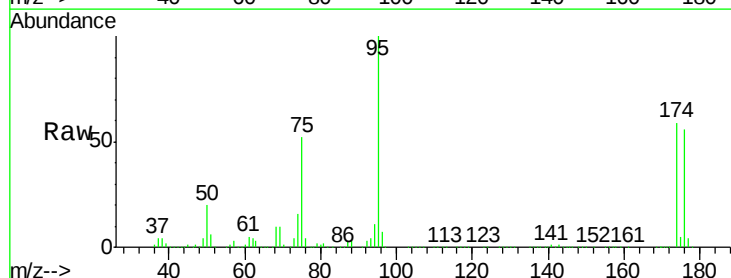
Tgt Ion: 95 Resp: 2796800

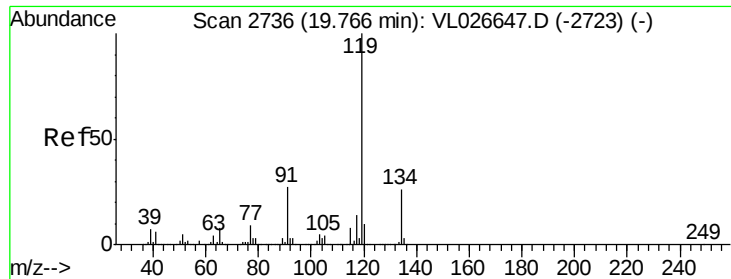
Ion Ratio Lower Upper

95 100

174 59.8 47.8 71.6

175 4.5 3.5 5.3





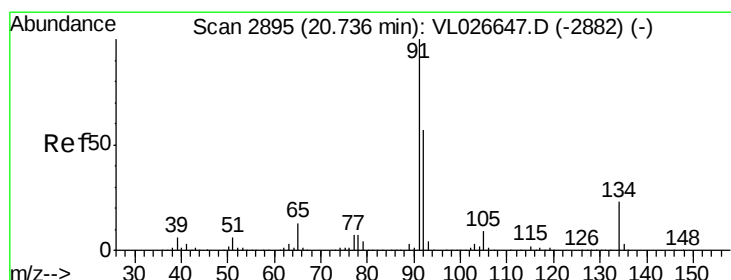
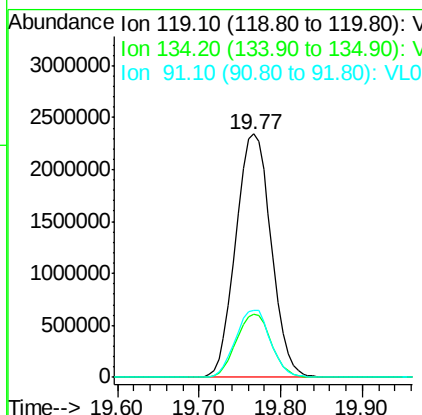
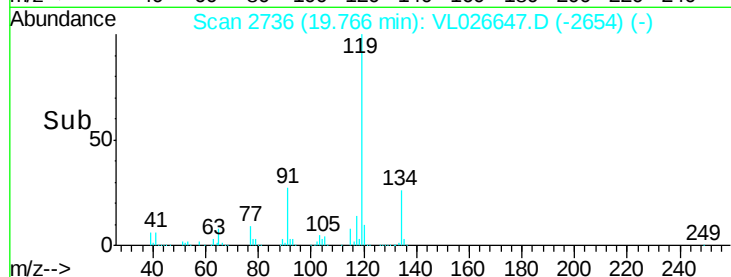
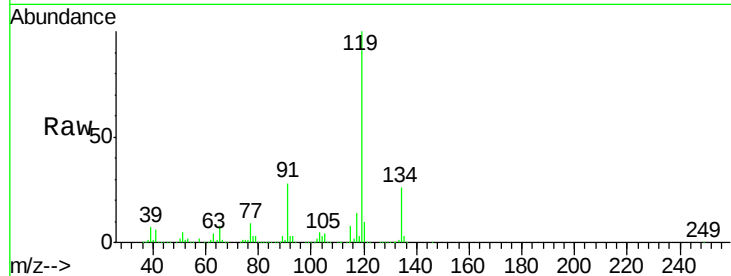
#69
 p-Isopropyltoluene
 Concen: 9.52 ppbv
 RT: 19.77 min Scan# 2736
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	27.1	21.8	32.6

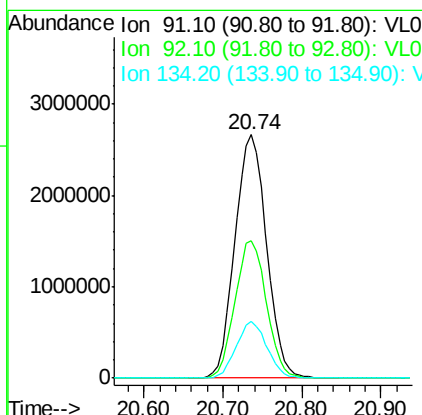
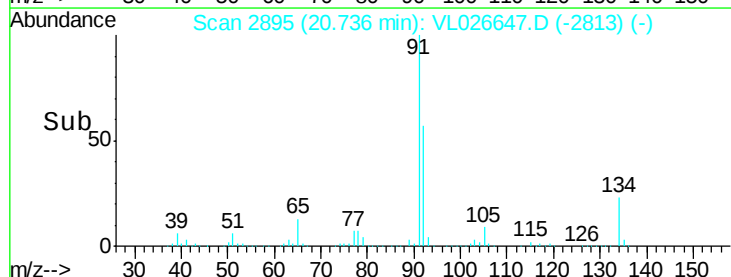
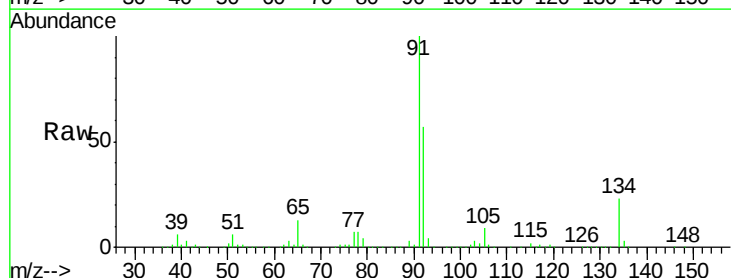
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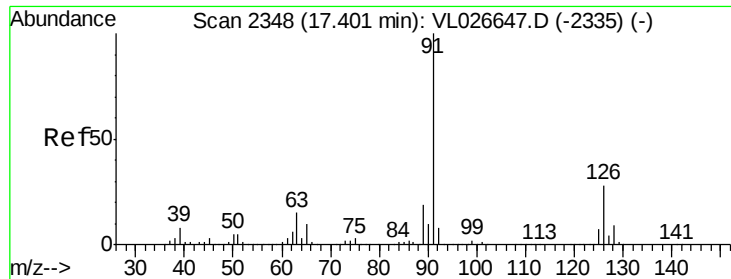
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#70
 n-Butylbenzene
 Concen: 9.52 ppbv
 RT: 20.74 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	45.0	67.6
134	22.7	18.2	27.2





#71

2-Chlorotoluene

Concen: 9.52 ppbv

RT: 17.40 min Scan# 2348

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 5634751

Ion Ratio Lower Upper

91 100

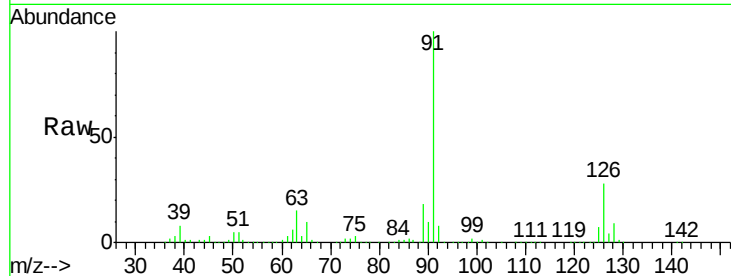
126 28.6 11.4 45.8

Manual Integrations

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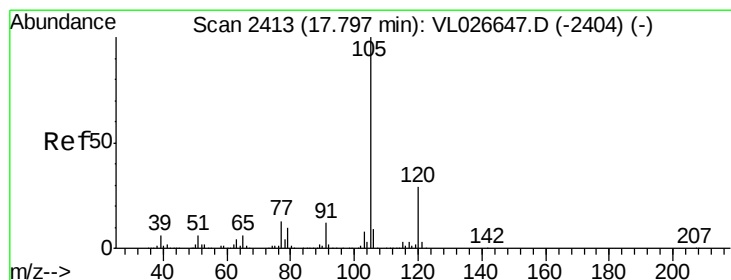
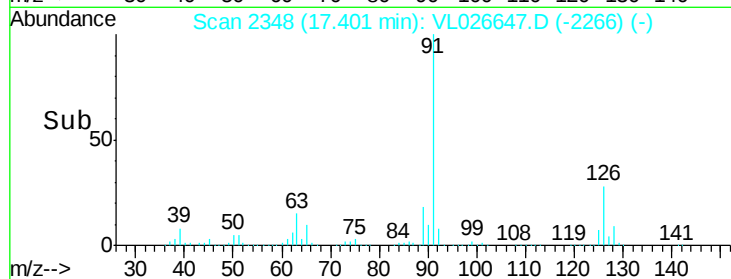
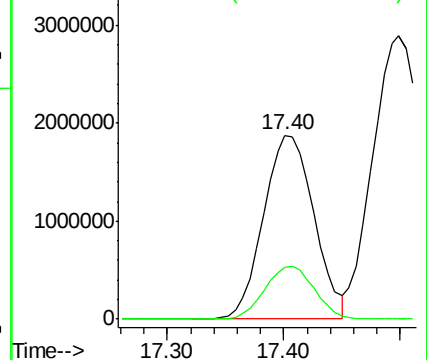
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.52 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Tgt Ion:105 Resp: 6053110

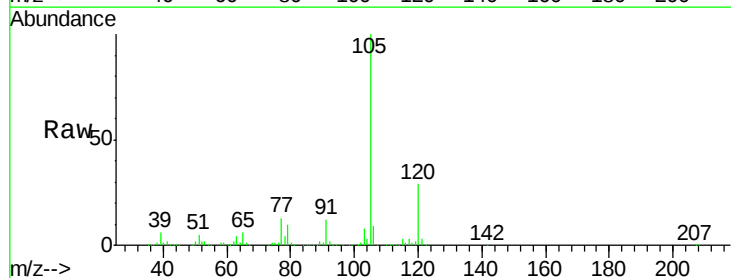
Ion Ratio Lower Upper

105 100

120 29.6 23.8 35.6

91 12.1 9.5 14.3

77 12.9 10.3 15.5

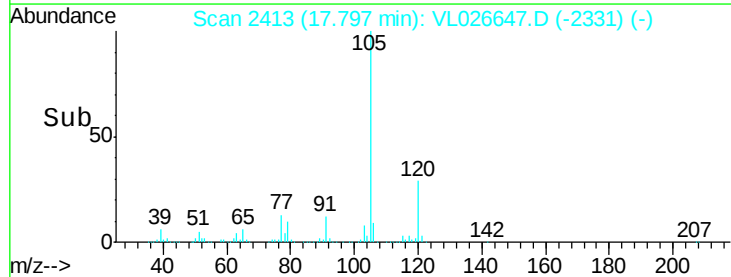
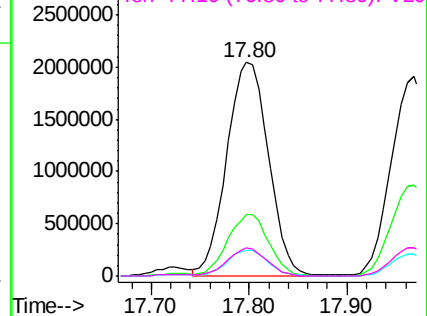


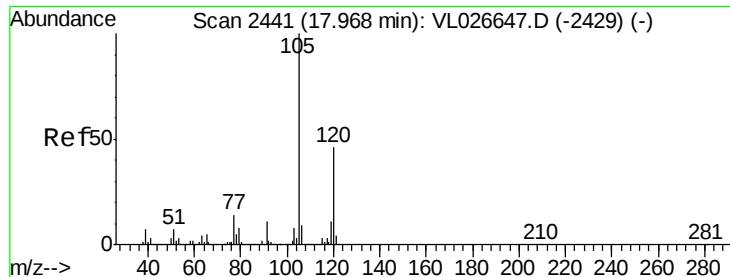
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.52 ppbv

RT: 17.97 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5562502

Ion Ratio Lower Upper

105 100

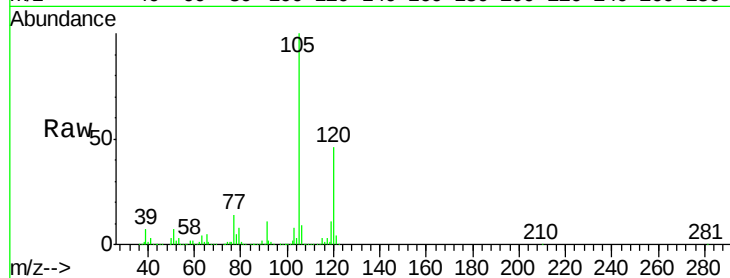
120 45.7 36.6 54.8

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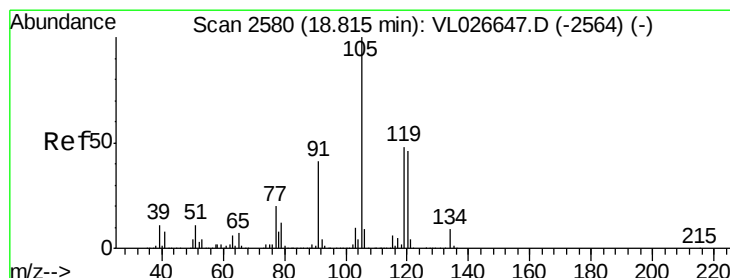
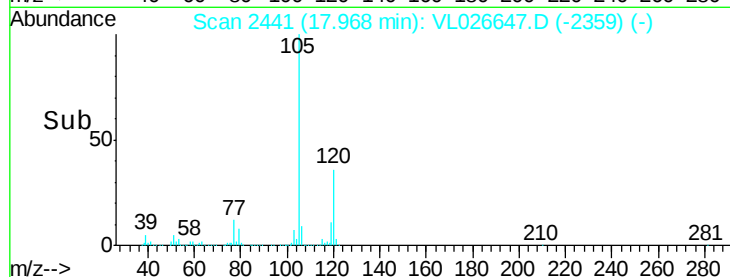
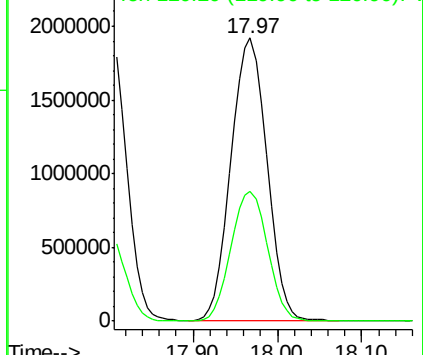
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.52 ppbv

RT: 18.82 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Tgt Ion:105 Resp: 5419317

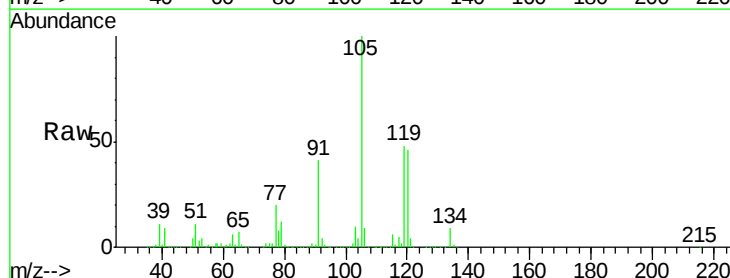
Ion Ratio Lower Upper

105 100

120 45.8 36.6 55.0

91 40.6 32.5 48.7

77 19.6 15.7 23.5

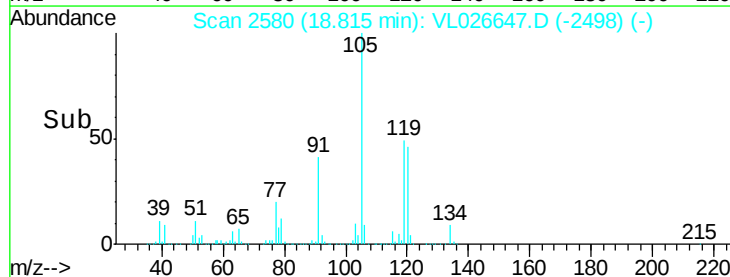
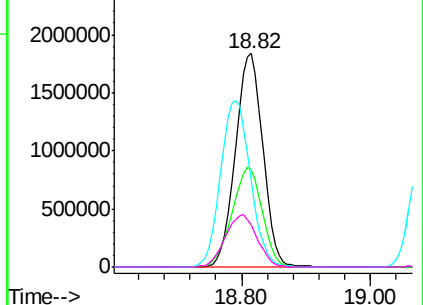


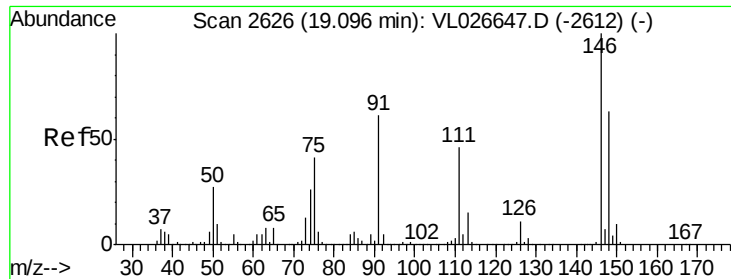
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 9.52 ppbv

RT: 19.10 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 3376513

Ion Ratio Lower Upper

146 100

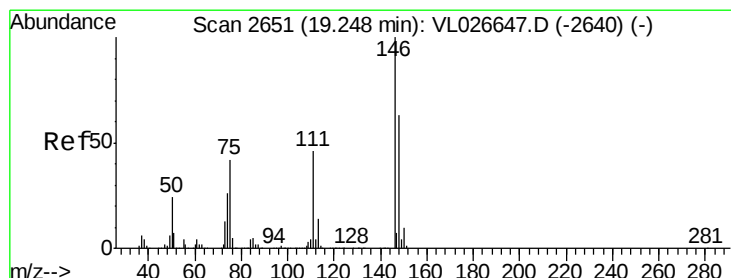
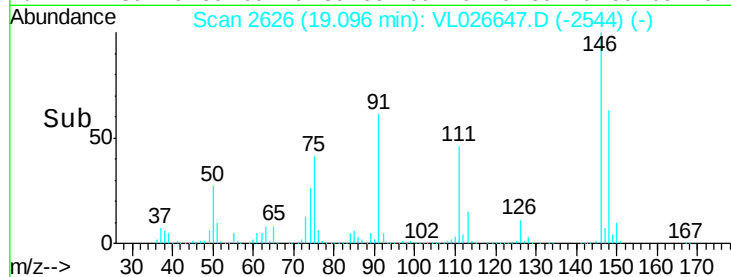
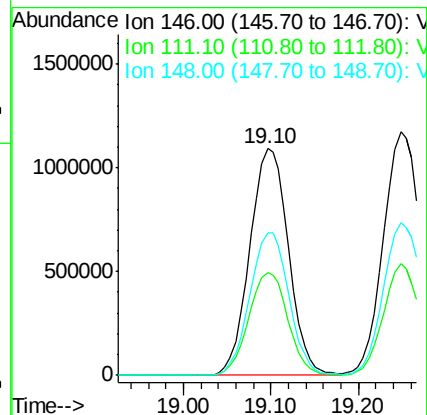
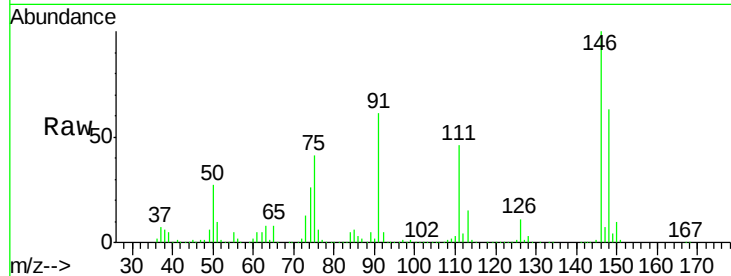
111 45.7 22.9 68.5

148 63.3 31.6 95.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.52 ppbv

RT: 19.25 min Scan# 2651

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

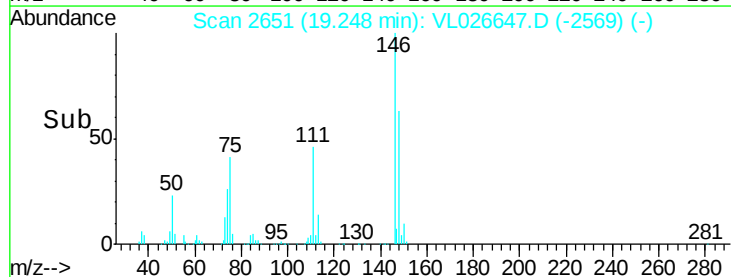
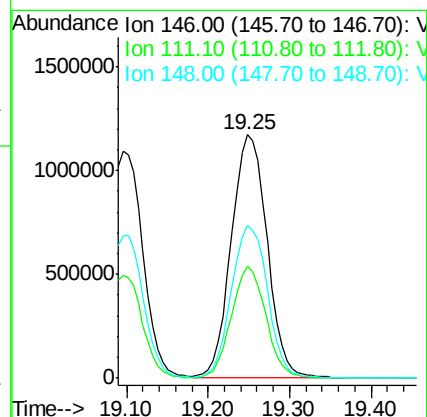
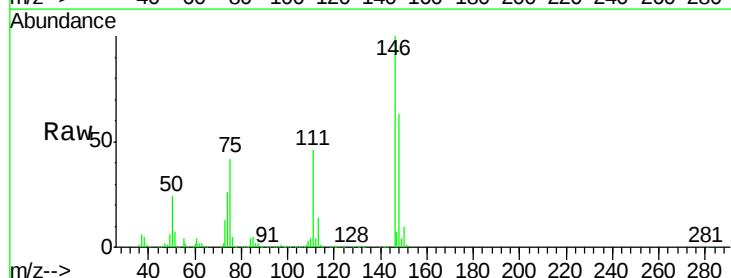
Tgt Ion:146 Resp: 3554027

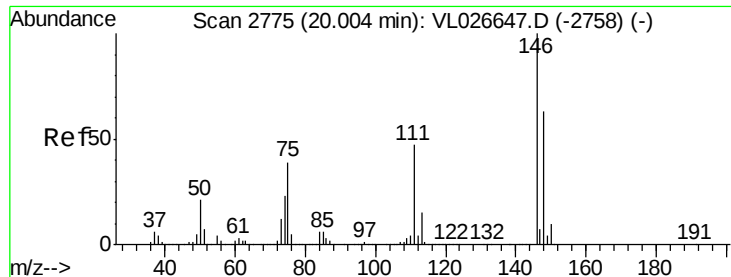
Ion Ratio Lower Upper

146 100

111 44.5 22.3 66.8

148 63.9 31.9 95.9





#77

1,2-Dichlorobenzene

Concen: 9.52 ppbv

RT: 20.00 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 3526427

Ion Ratio Lower Upper

146 100

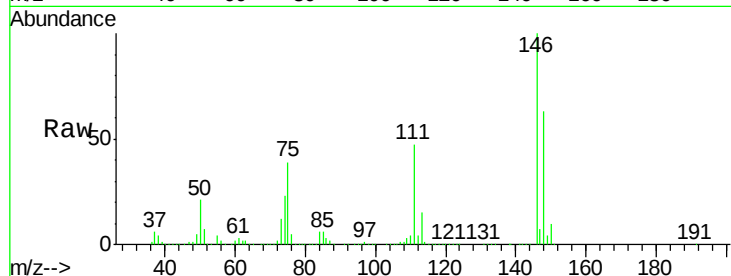
111 47.4 23.7 71.1

148 62.3 31.1 93.5

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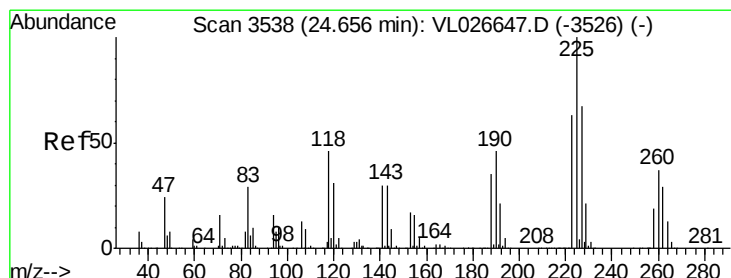
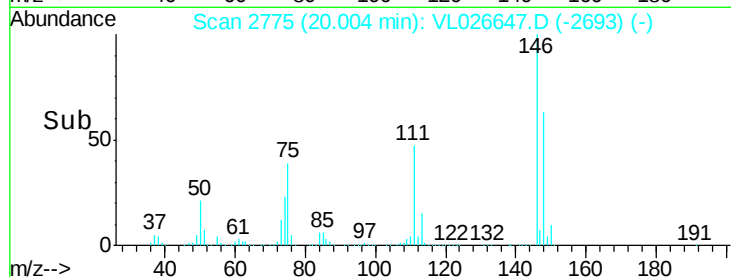
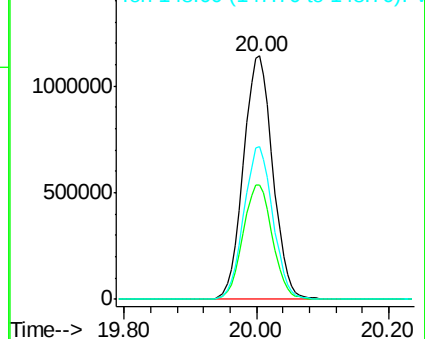
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.52 ppbv

RT: 24.66 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

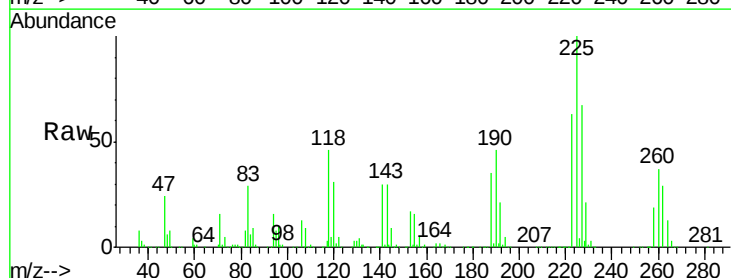
Tgt Ion:225 Resp: 1406603

Ion Ratio Lower Upper

225 100

223 62.6 50.0 75.0

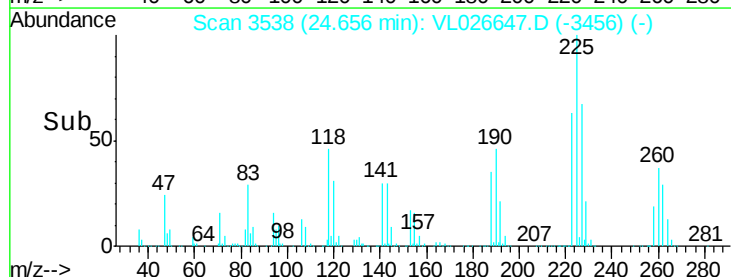
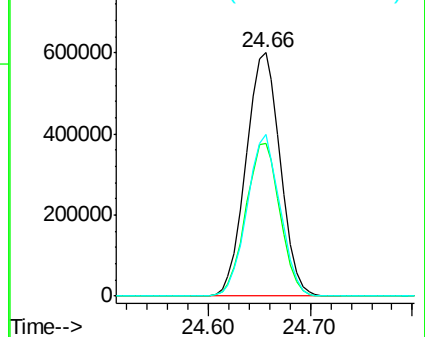
227 63.9 51.1 76.7

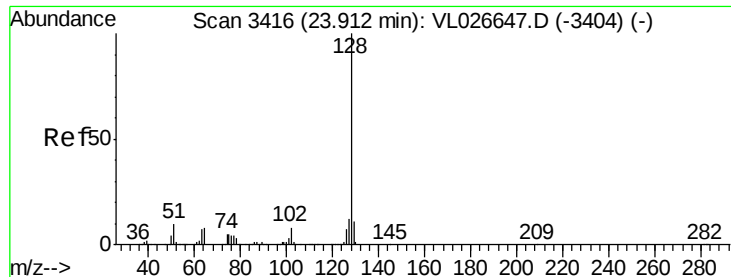


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.52 ppbv

RT: 23.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4242887

Ion Ratio Lower Upper

128 100

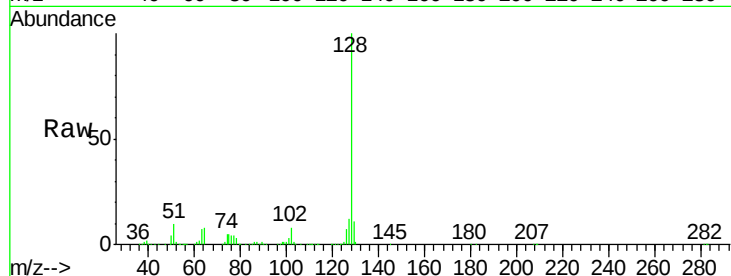
127 12.3 9.8 14.8

129 11.1 8.9 13.3

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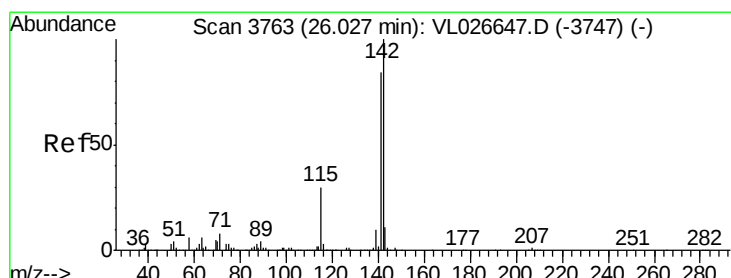
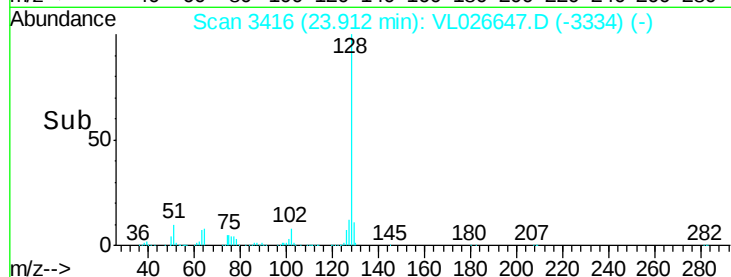
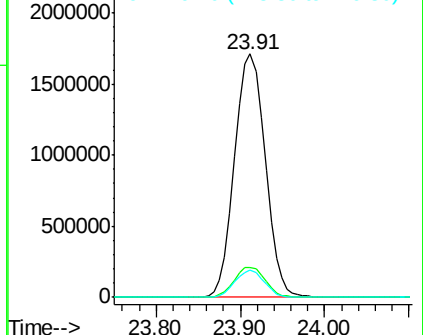
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.54 ppbv

RT: 26.03 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VL026647.D

Acq: 8 Jan 2016 15:13

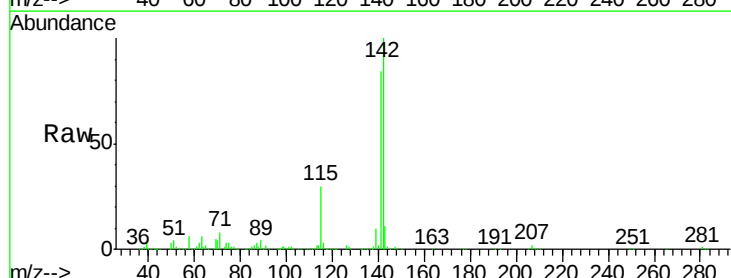
Tgt Ion:142 Resp: 1084827

Ion Ratio Lower Upper

142 100

141 83.8 66.8 100.2

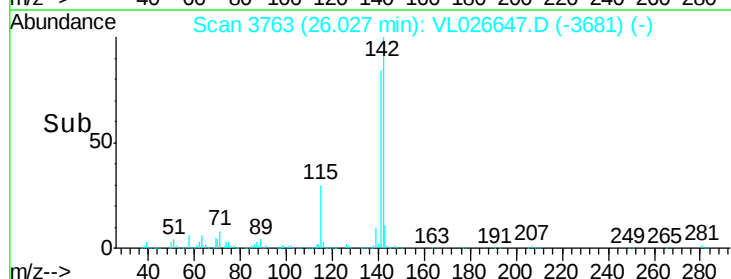
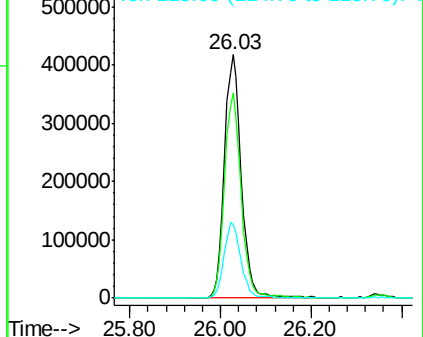
115 30.9 24.7 37.1

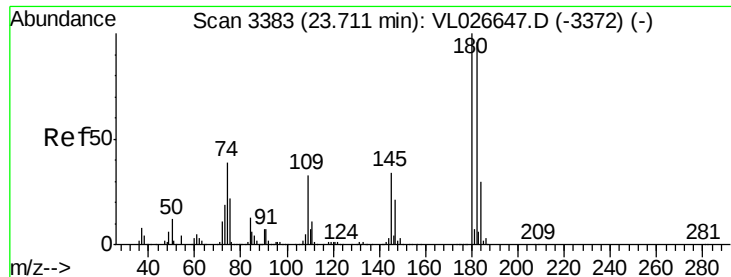


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.52 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL026647.D
 Acq: 8 Jan 2016 15:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
184	30.1	24.1	36.1

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