

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033085.D
 Acq On : 5 Jan 2019 2:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:01:38 AM

Quant Time: Jan 05 03:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1115767	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2807129	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2770510m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2048744	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2445011	11.775	ppbv	98
3) Chlorodifluoromethane	3.01	51	1353095	10.713	ppbv	100
4) Chloromethane	3.17	50	740375	10.235	ppbv	100
5) Vinyl Chloride	3.29	62	759007	10.389	ppbv	99
6) Bromomethane	3.52	94	489660	9.866	ppbv	97
7) Chloroethane	3.60	64	275253	9.634	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1895174	10.596	ppbv	100
9) Propene	3.04	41	550457	11.666	ppbv	100
10) Heptane	8.25	43	1238634	9.220	ppbv	100
11) Trichlorofluoromethane	4.01	101	1826420	7.960	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1244525	8.578	ppbv	100
13) Ethanol	3.65	45	143991	7.653	ppbv	96
14) Bromoethene	3.79	108	586373	9.151	ppbv	97
15) Acetone	3.90	43	1216198	7.875	ppbv	100
16) 1,3-Butadiene	3.37	39	604917	10.387	ppbv	95
17) tert-Butyl alcohol	4.36	59	86949m	2.658	ppbv	
18) 1,1-Dichloroethene	4.35	96	568501	8.507	ppbv	94
19) Isopropyl Alcohol	4.02	45	808938	7.609	ppbv	100
20) Methylene Chloride	4.41	84	489107	7.597	ppbv	99
21) Allyl Chloride	4.48	41	883139	9.228	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	576288	8.699	ppbv	96
23) Vinyl Acetate	5.16	43	1743397	8.874	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1450554	8.696	ppbv	99
25) Ethyl Acetate	5.77	43	2229454	8.540	ppbv	100
26) Hexane	5.79	57	1034100	8.413	ppbv	99
27) Carbon Disulfide	4.62	76	1396562	9.213	ppbv	98
28) Methyl tert-Butyl Ether	5.12	73	1517724	7.910	ppbv	100
29) Chloroform	5.85	83	1736039	8.288	ppbv	99
30) Cyclohexane	7.25	84	904956	9.874	ppbv	100
31) cis-1,2-Dichloroethene	5.65	61	1072716	9.398	ppbv	98
32) 1,1,1-Trichloroethane	6.63	97	1854866	8.725	ppbv	100
34) 2-Butanone	5.33	43	1462740	8.968	ppbv	99
35) Carbon Tetrachloride	7.14	117	1952814	8.099	ppbv	99
36) Benzene	7.01	78	2077922	9.037	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1341249	8.354	ppbv	100
38) Trichloroethene	7.97	130	858835	9.079	ppbv	98
39) 1,2-Dichloropropane	7.74	63	772103	8.938	ppbv	100
40) 1,4-Dioxane	7.96	88	293107	8.939	ppbv #	1
41) Tetrahydrofuran	6.15	42	793101	9.554	ppbv	98
42) Bromodichloromethane	7.92	83	1898106	8.606	ppbv	98
43) Methyl Methacrylate	8.14	69	837811	9.710	ppbv	99

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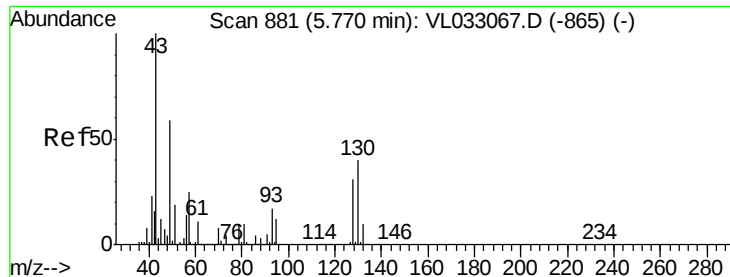
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Quant Time: Jan 05 03:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 0
 QLast Update : Fri Jan 04 16:09:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3503054	8.996	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1025074	9.544	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1247662	10.178	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	863006	8.551	ppbv	98
48) Dibromochloromethane	10.46	129	1641358	9.205	ppbv	100
49) Bromoform	13.21	173	1396682	8.965	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2013807	9.744	ppbv	100
51) 2-Hexanone	10.28	43	1563400	10.455	ppbv	99
52) Tetrachloroethene	11.38	164	722552	8.890	ppbv	97
53) Toluene	9.96	91	2365940	9.601	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1342215	9.230	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1185595	8.282	ppbv	98
57) Chlorobenzene	12.31	112	1842022	7.965	ppbv	100
58) Ethyl Benzene	12.87	91	3210803	9.179	ppbv	97
59) m/p-Xylene	13.16	91	5261026m	16.258	ppbv	
60) o-Xylene	13.86	91	2621769	8.276	ppbv	99
61) Styrene	13.70	104	1779251	8.802	ppbv	99
62) Isopropylbenzene	14.84	105	3822866	8.480	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1907366	8.105	ppbv	100
64) n-propylbenzene	15.73	120	968976	8.461	ppbv	100
65) tert-Butylbenzene	16.92	119	3443653	8.624	ppbv	100
66) Benzyl Chloride	17.16	91	1618079	7.109	ppbv	100
67) sec-Butylbenzene	17.47	105	4751116	8.314	ppbv	100
69) p-Isopropyltoluene	17.83	119	3811813	8.218	ppbv	99
70) n-Butylbenzene	18.72	91	3799870	8.149	ppbv	100
71) 2-Chlorotoluene	15.63	91	2802512	8.765	ppbv	100
72) 4-Ethyltoluene	16.01	105	3001479	8.622	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	2937068	8.551	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	2982871	7.841	ppbv	96
75) 1,3-Dichlorobenzene	17.18	146	1645642	7.349	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	1584937	7.770	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1608608	7.977	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1126465	7.273	ppbv	100
79) Naphthalene	22.42	128	2243593	7.002	ppbv	96
80) Naphthalene, 2-methyl-	25.12	142	542790	5.582	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1103557	7.129	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1115767

Ion Ratio Lower Upper

49 100

128 52.1 26.2 78.5

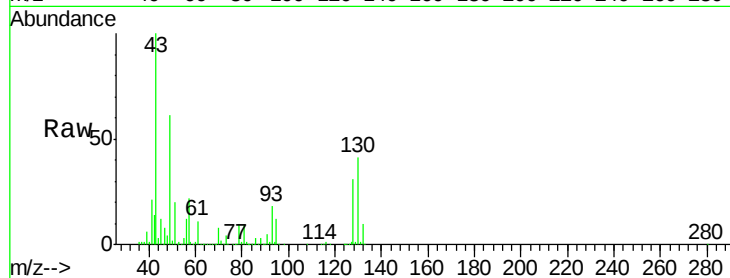
130 66.4 33.6 100.6

Manual Integrations

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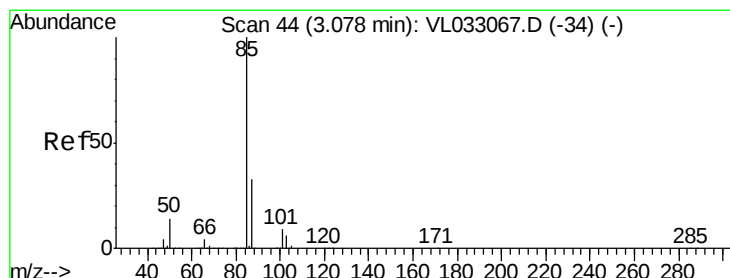
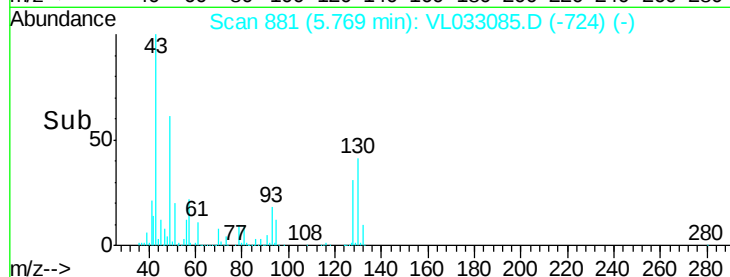
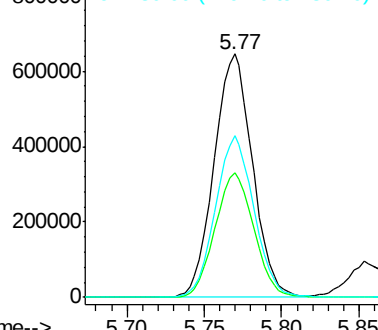
1/8/2019 12:01:38 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.775 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033085.D

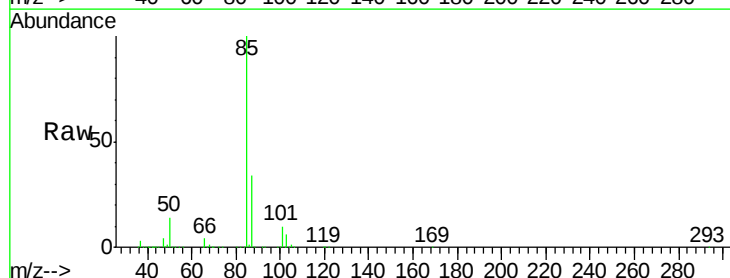
Acq: 5 Jan 2019 2:18

Tgt Ion: 85 Resp: 2445011

Ion Ratio Lower Upper

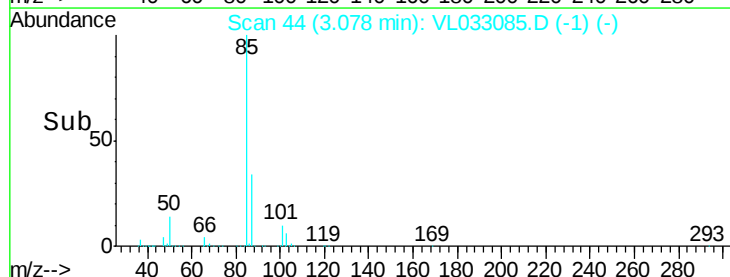
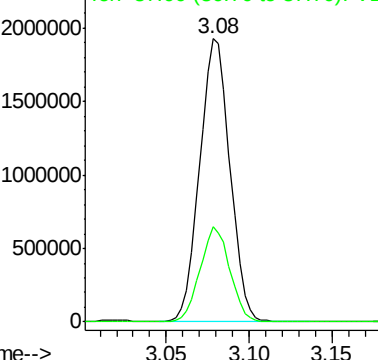
85 100

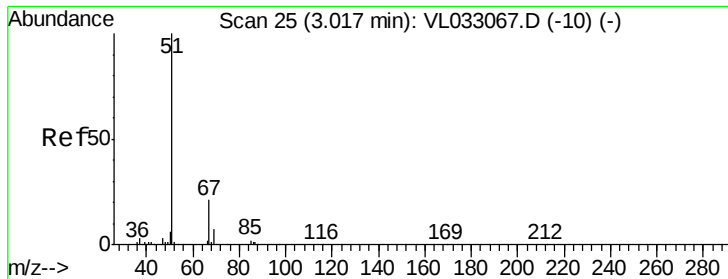
87 33.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.713 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Tot Ion: 51 Resp: 1353095

Ion Ratio Lower Upper

51 100

67 20.4 16.3 24.5

Instrument :

MSVOA_L

ClientSampleId :

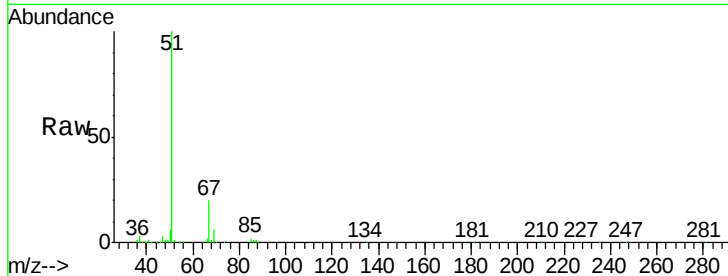
VSTDCCC010EC

Manual Integrations

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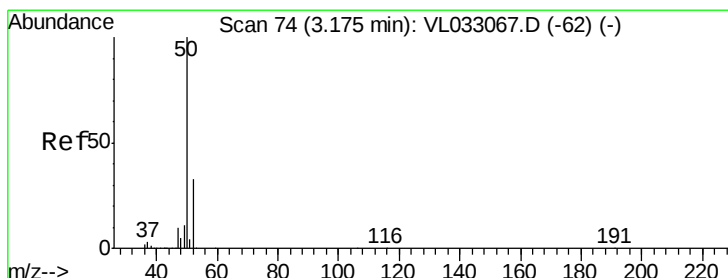
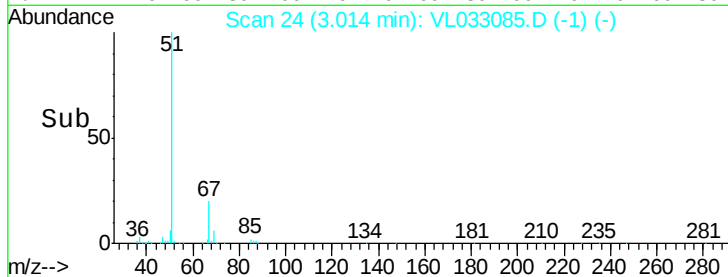
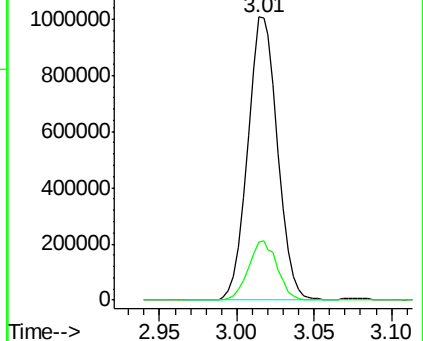
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.235 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL033085.D

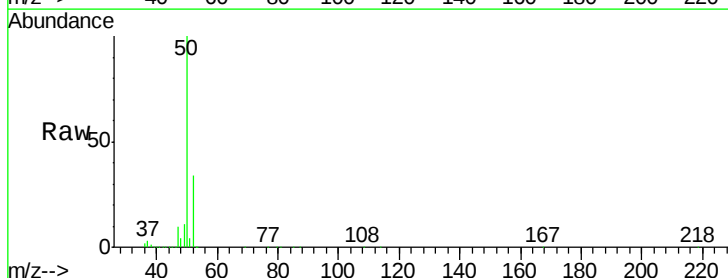
Acq: 5 Jan 2019 2:18

Tgt Ion: 50 Resp: 740375

Ion Ratio Lower Upper

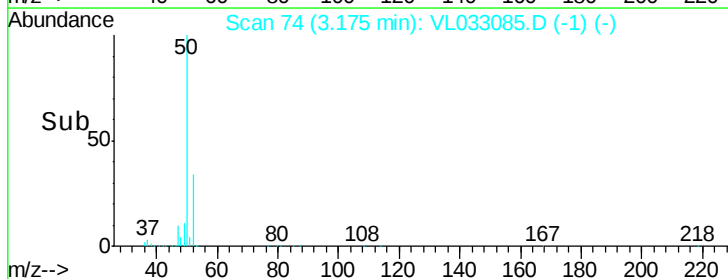
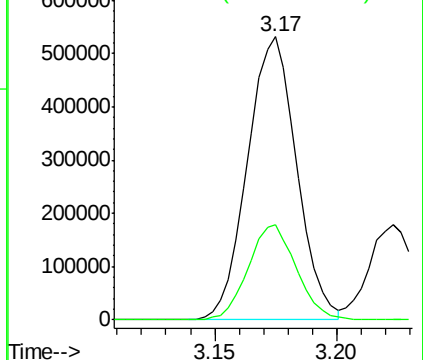
50 100

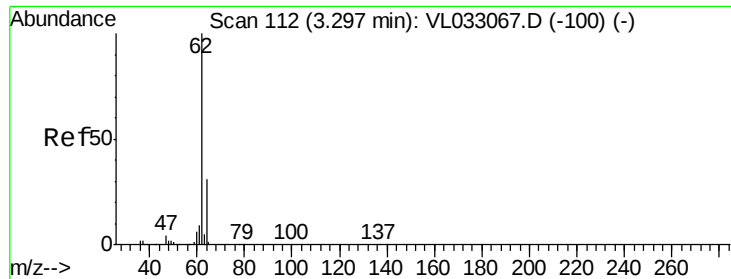
52 33.8 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.389 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 759007

Ion Ratio Lower Upper

62 100

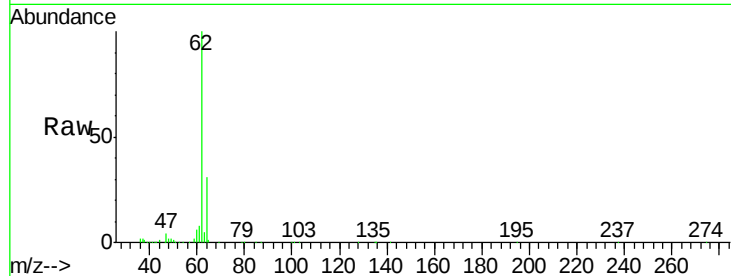
64 31.1 25.3 37.9

Manual Integrations

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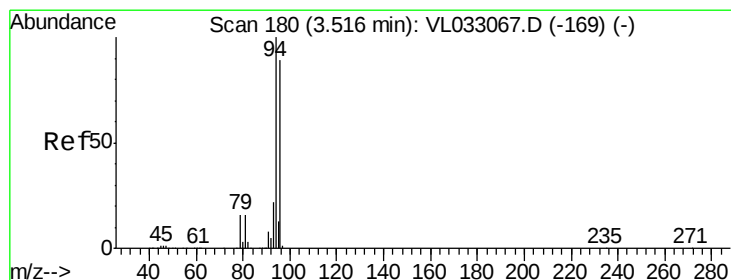
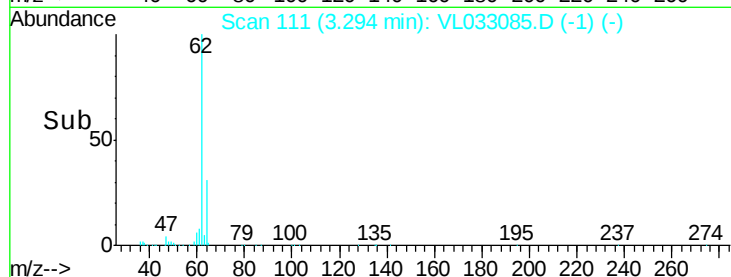
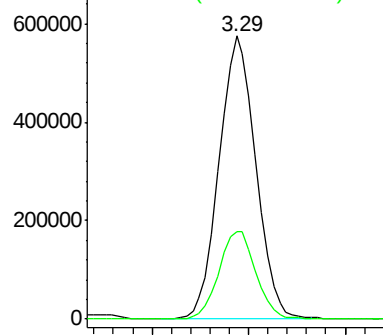
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.866 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL033085.D

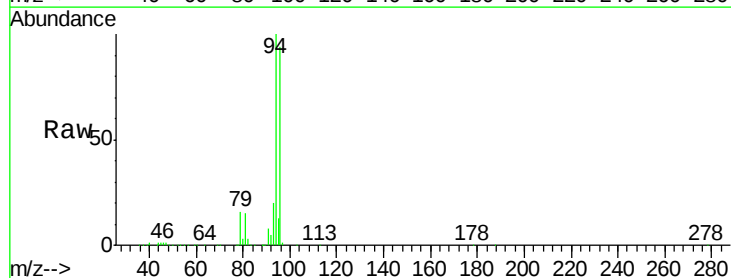
Acq: 5 Jan 2019 2:18

Tgt Ion: 94 Resp: 489660

Ion Ratio Lower Upper

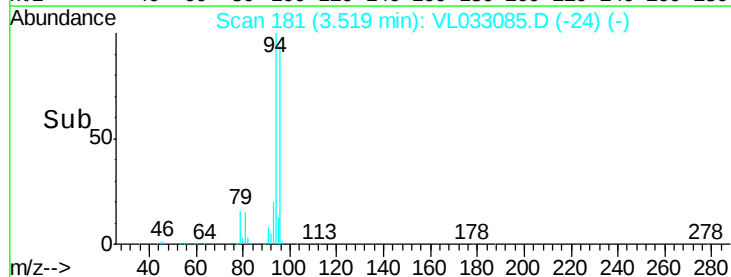
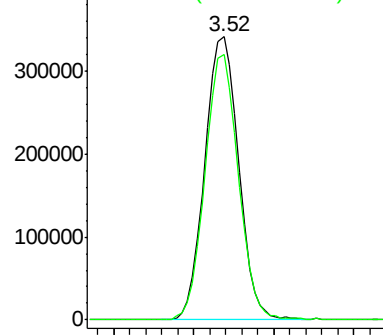
94 100

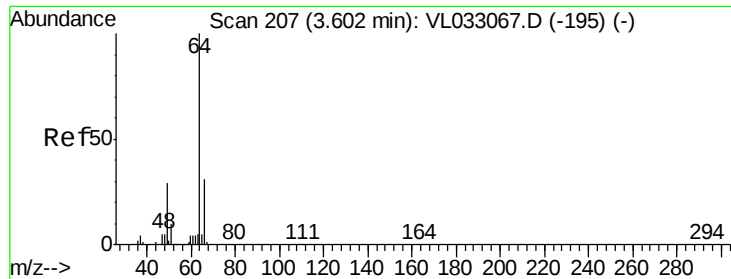
96 93.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.634 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 275253

Ion Ratio Lower Upper

64 100

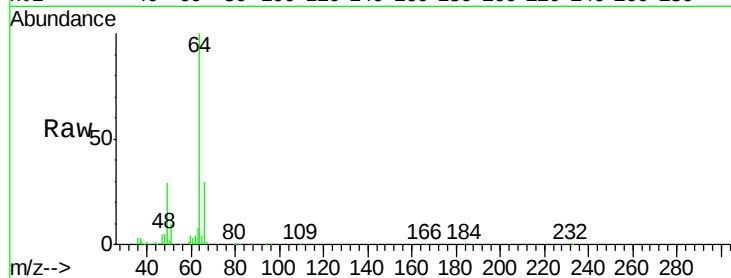
66 30.3 23.7 35.5

Manual Integrations

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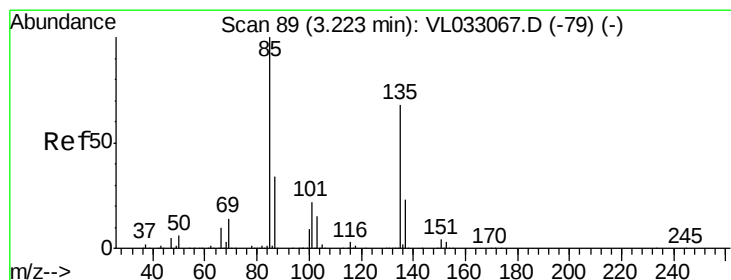
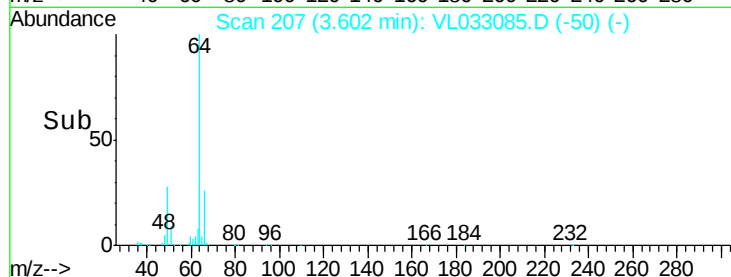
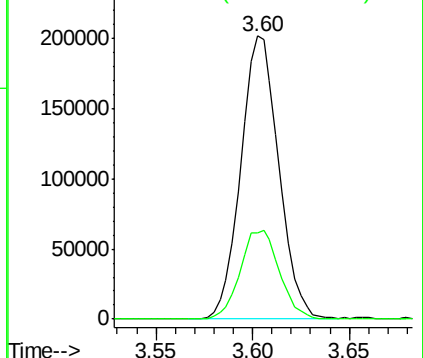
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.596 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033085.D

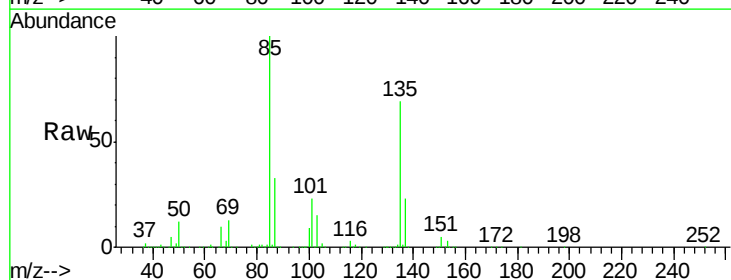
Acq: 5 Jan 2019 2:18

Tgt Ion: 85 Resp: 1895174

Ion Ratio Lower Upper

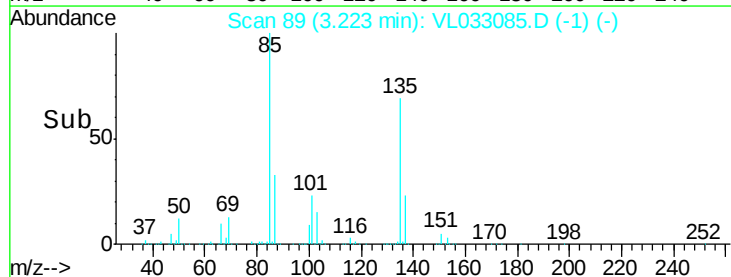
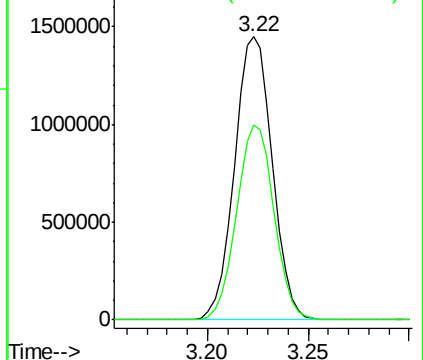
85 100

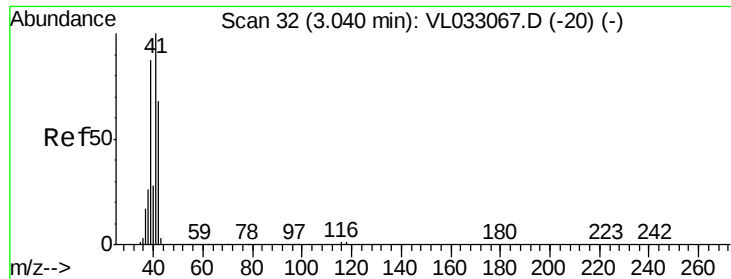
135 68.8 54.9 82.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.666 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 550457

Ion Ratio Lower Upper

41 100

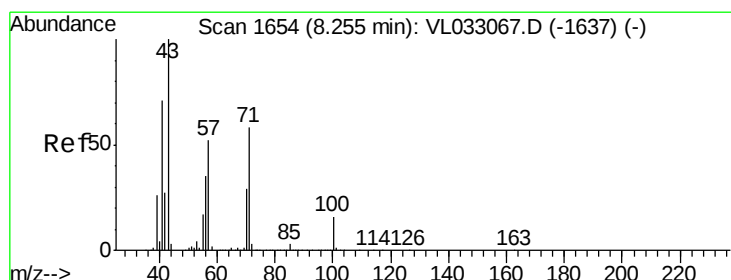
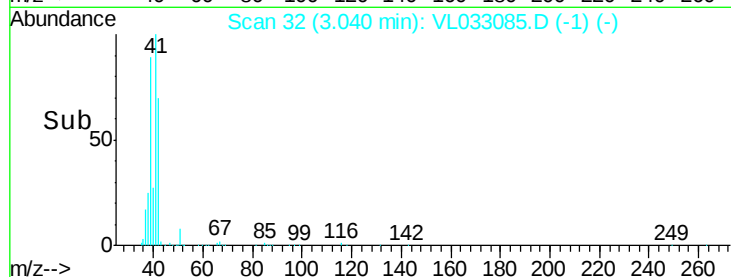
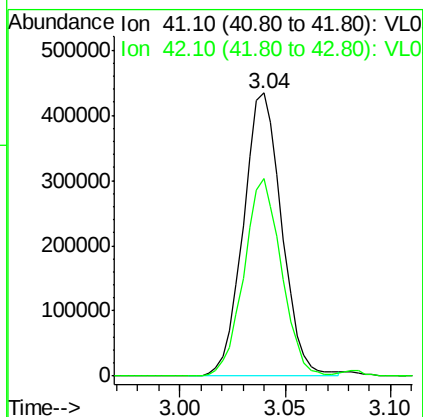
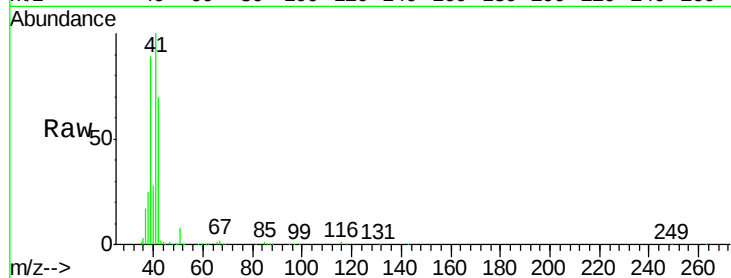
42 69.5 55.3 82.9

Manual Integrations

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#10

Heptane

Concen: 9.220 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL033085.D

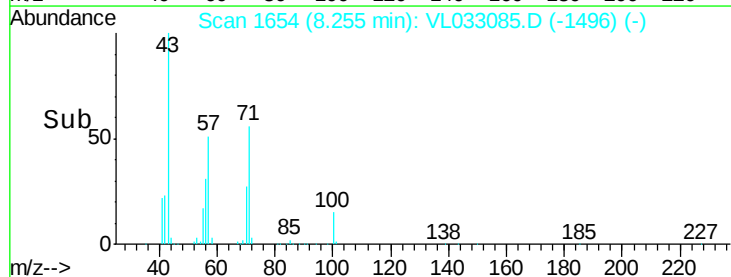
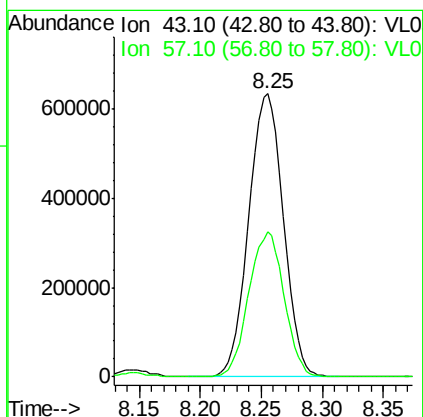
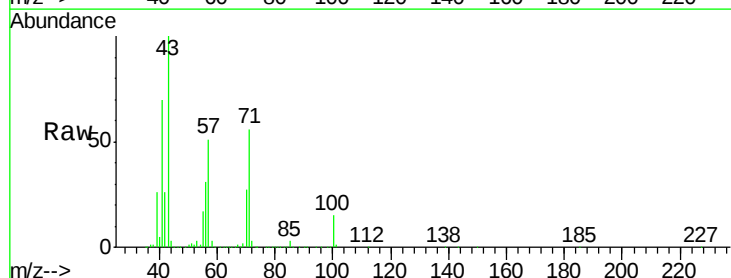
Acq: 5 Jan 2019 2:18

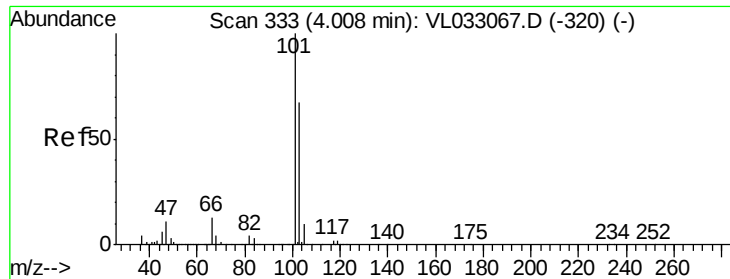
Tgt Ion: 43 Resp: 1238634

Ion Ratio Lower Upper

43 100

57 52.4 41.9 62.9





#11

Trichlorofluoromethane

Concen: 7.960 ppbv

RT: 4.01 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Tot Ion:101 Resp: 1826420

Ion Ratio Lower Upper

101 100

103 67.2 51.7 77.5

Instrument :

MSVOA_L

ClientSampleId :

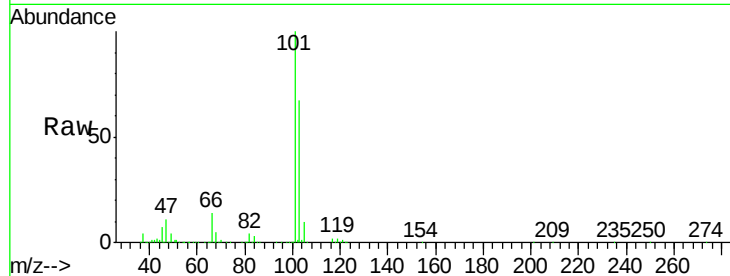
VSTDCCC010EC

Manual Integrations

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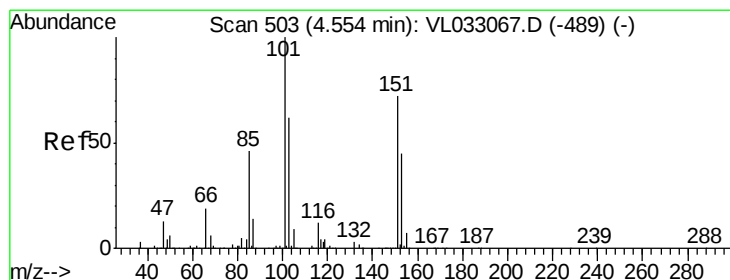
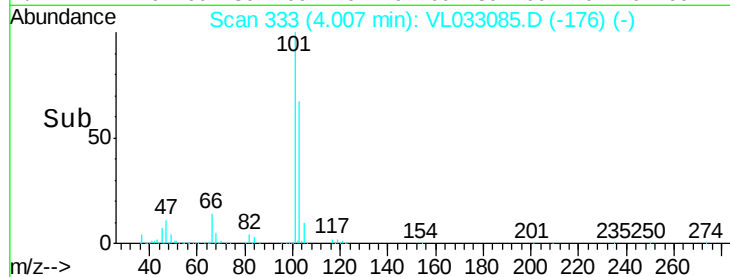
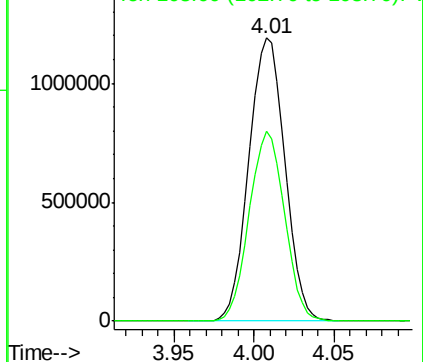
MMDadoda

1/8/2019 12:01:38 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: 8.578 ppbv

RT: 4.56 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL033085.D

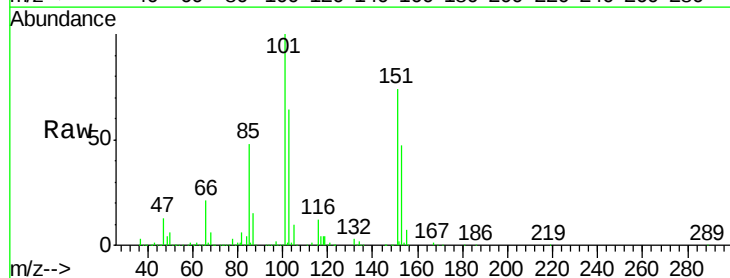
Acq: 5 Jan 2019 2:18

Tgt Ion:101 Resp: 1244525

Ion Ratio Lower Upper

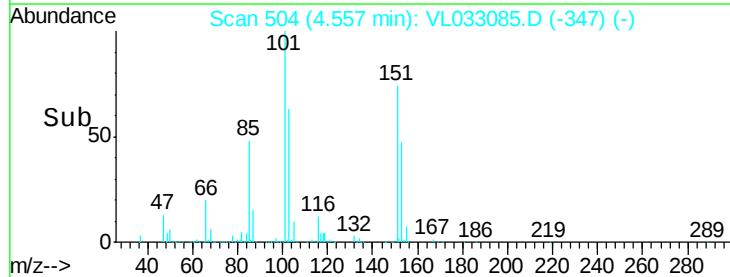
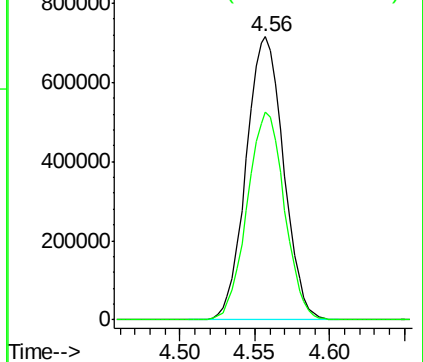
101 100

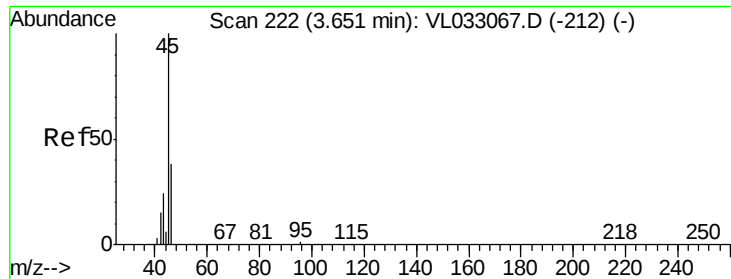
151 73.1 58.3 87.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





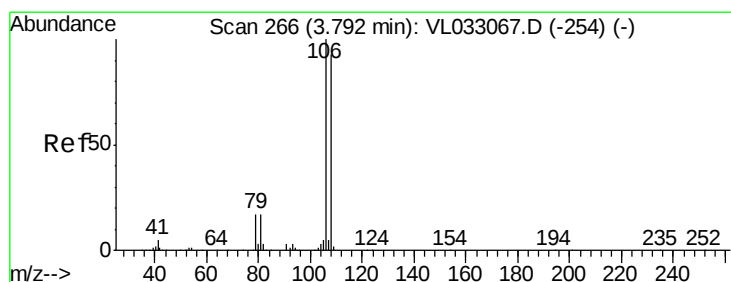
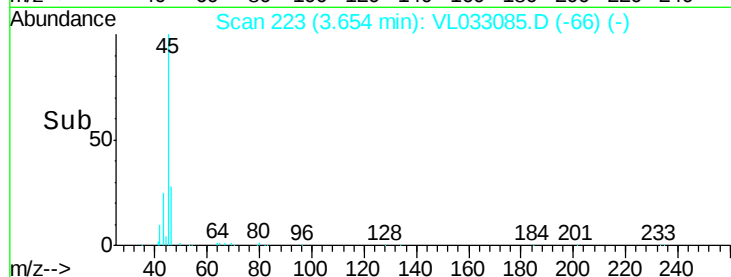
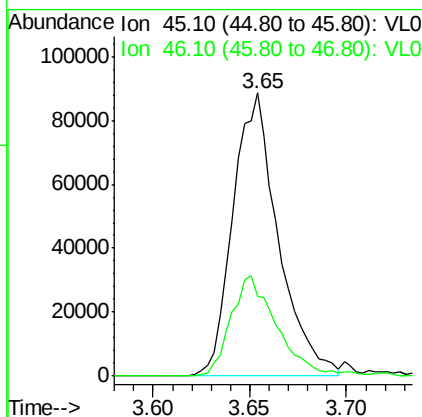
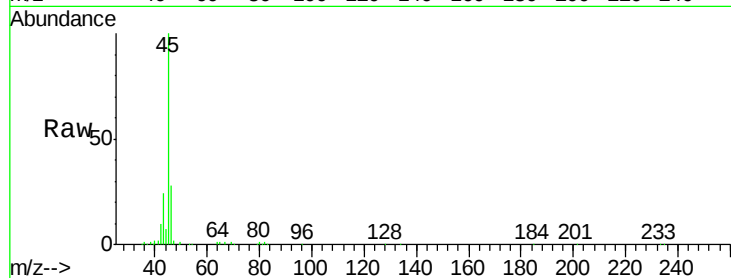
#13
Ethanol
Concen: 7.653 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.8	13.8	55.2

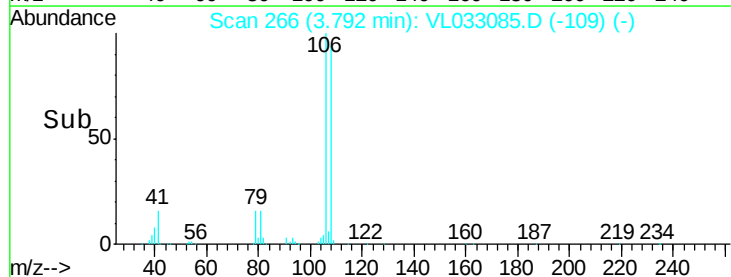
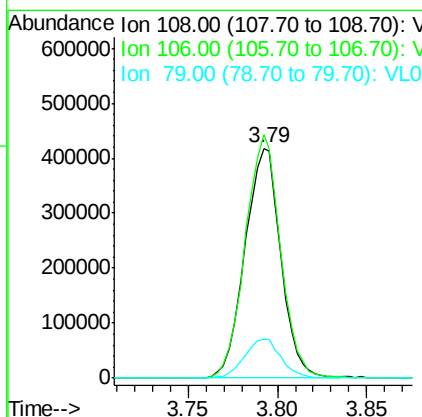
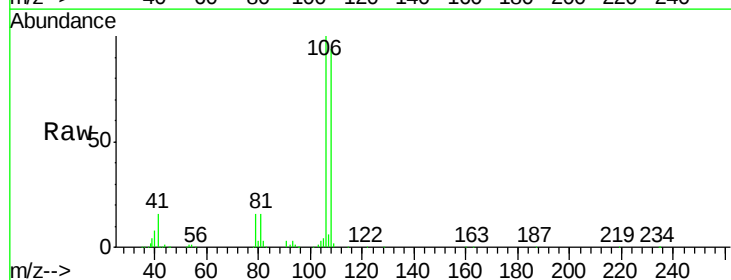
Manual Integrations
APPROVED

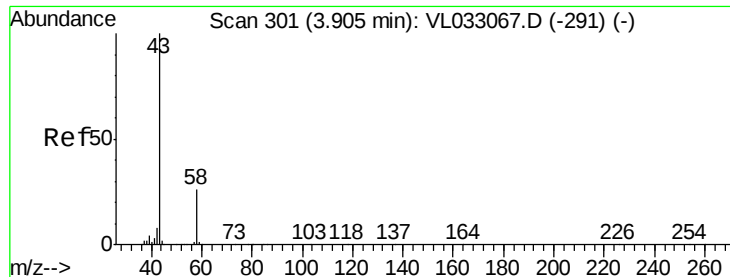
MMDadoda
1/8/2019 12:01:38 AM



#14
Bromoethene
Concen: 9.151 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.6	86.4	129.6
79	17.5	14.3	21.5





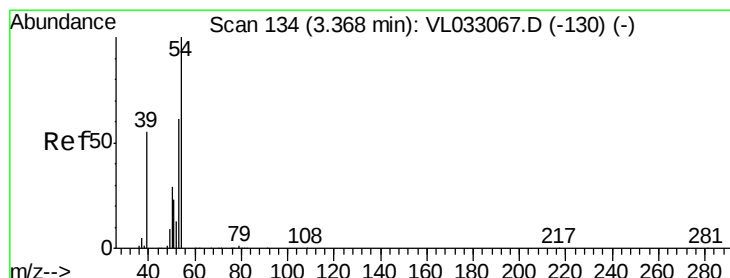
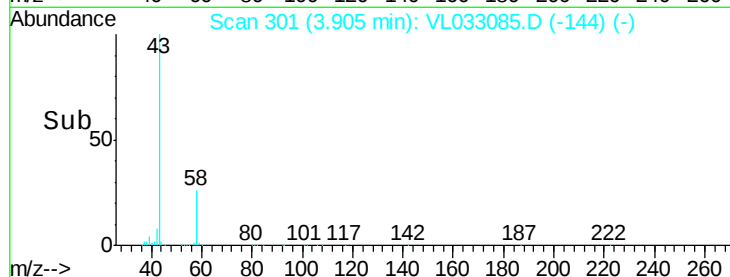
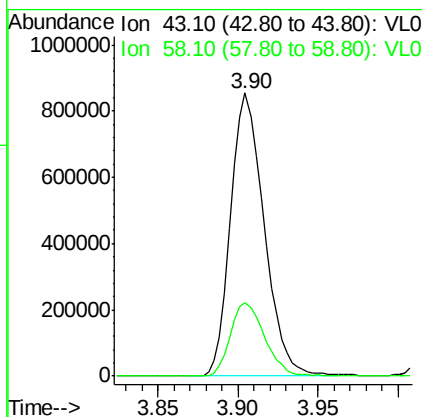
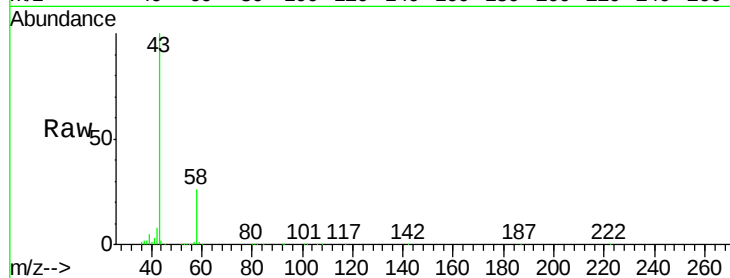
#15
Acetone
Concen: 7.875 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1216198
Ion Ratio Lower Upper
43 100
58 26.6 21.1 31.7

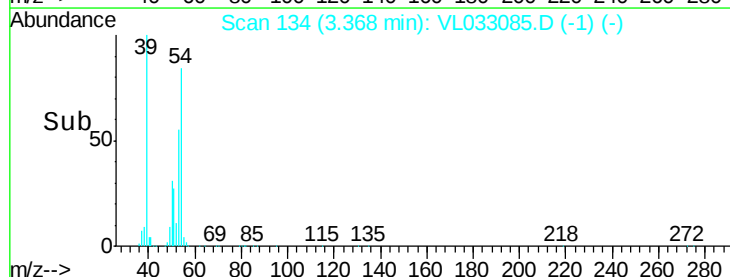
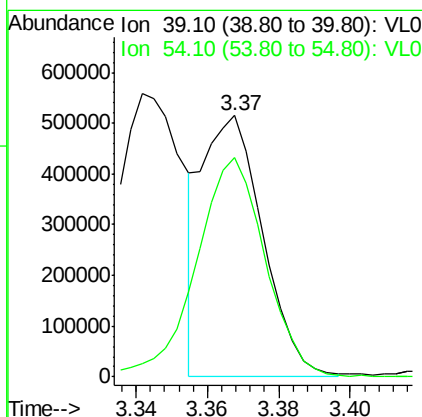
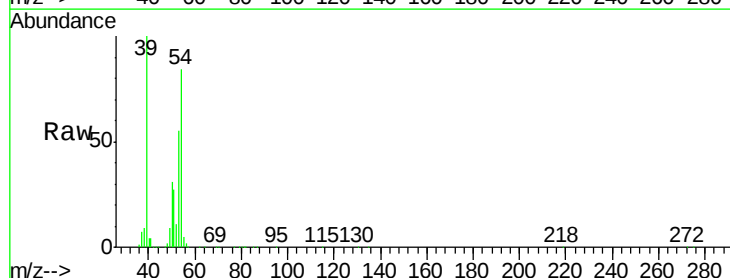
Manual Integrations
APPROVED

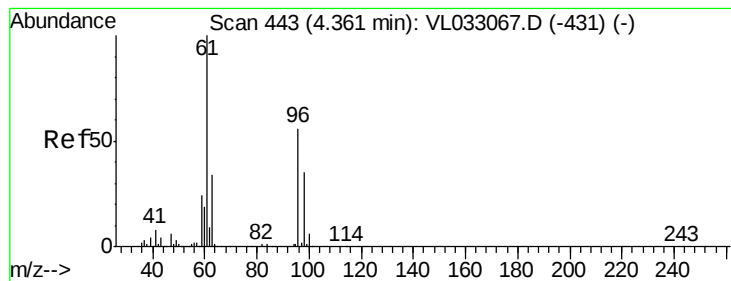
MMDadoda
1/8/2019 12:01:38 AM



#16
1,3-Butadiene
Concen: 10.387 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 39 Resp: 604917
Ion Ratio Lower Upper
39 100
54 96.7 73.7 110.5





#17

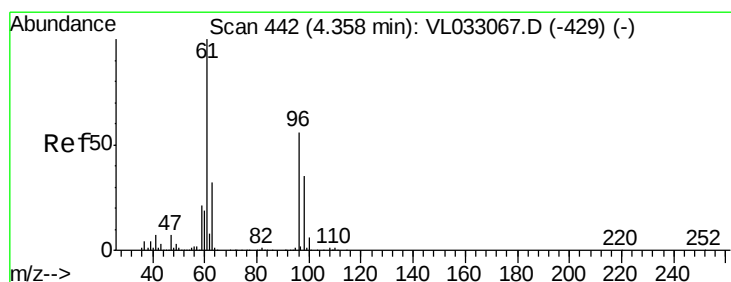
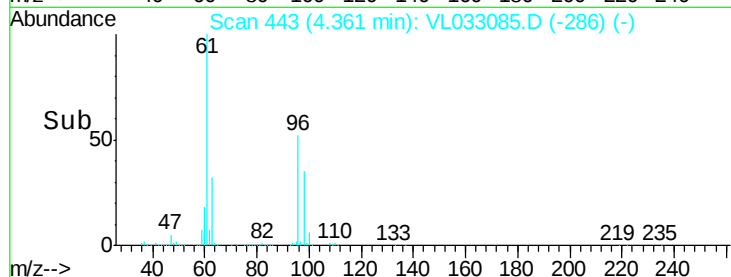
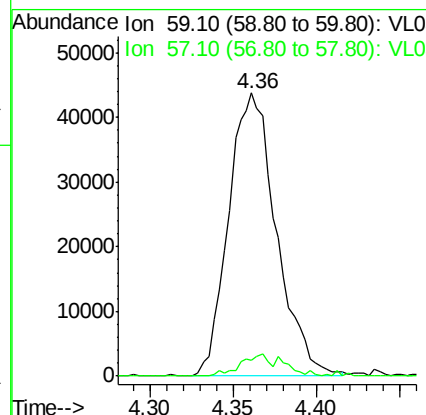
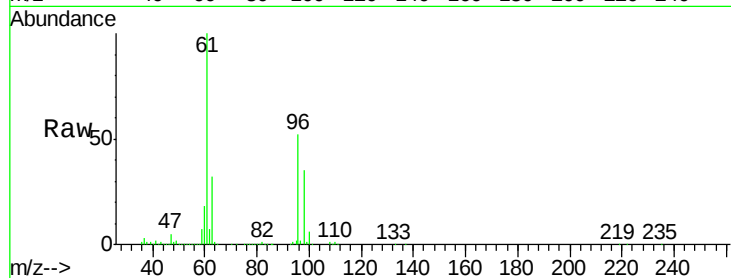
tert-Butyl alcohol
Concen: 2.658 ppbv m
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 86949
Ion Ratio Lower Upper
59 100
57 0.5 7.7 11.5#

Manual Integrations
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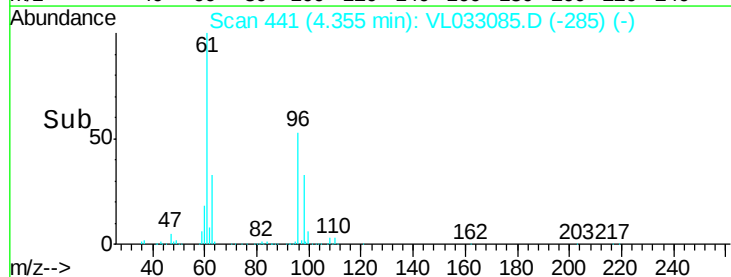
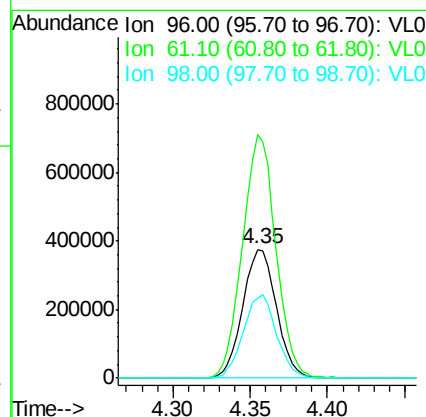
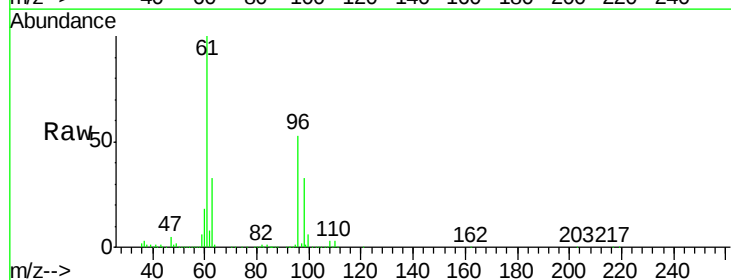
MMDadoda
1/8/2019 12:01:38 AM

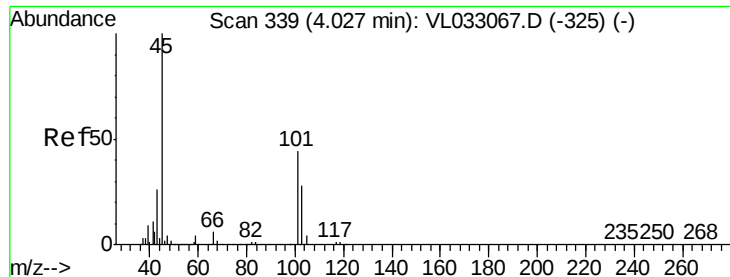


#18

1,1-Dichloroethene
Concen: 8.507 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 96 Resp: 568501
Ion Ratio Lower Upper
96 100
61 189.5 143.7 215.5
98 61.8 52.1 78.1





#19

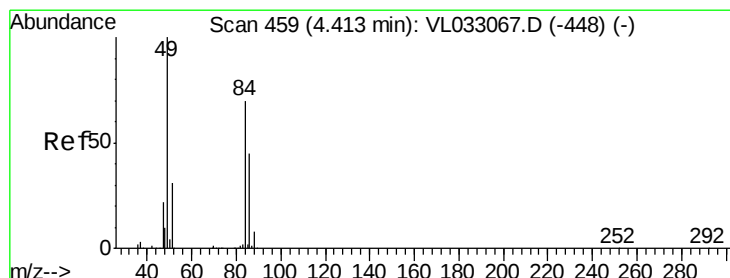
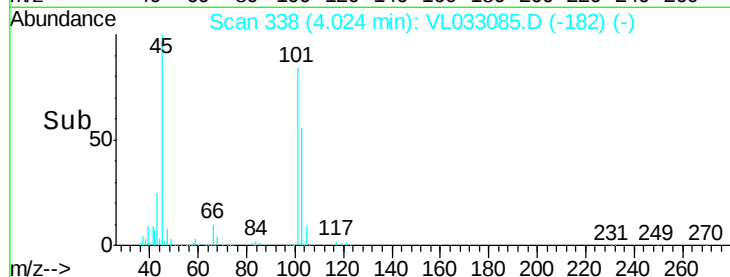
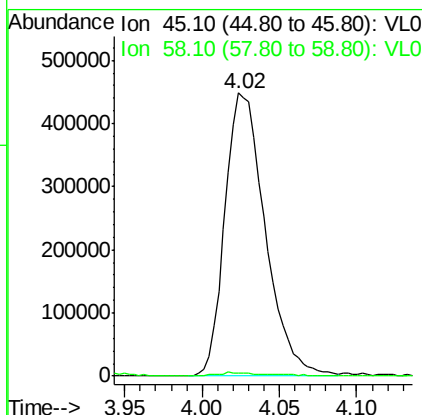
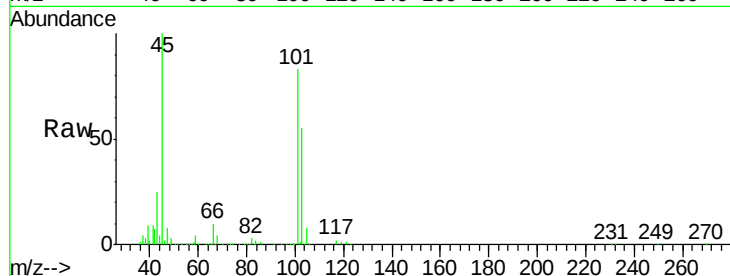
Isopropyl Alcohol
 Concen: 7.609 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.2

Manual Integrations
 APPROVED

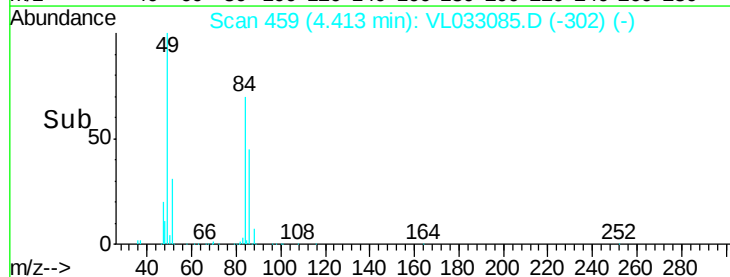
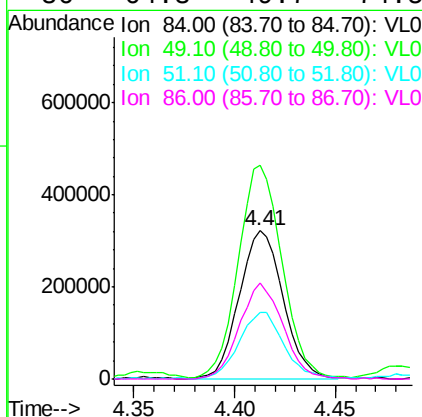
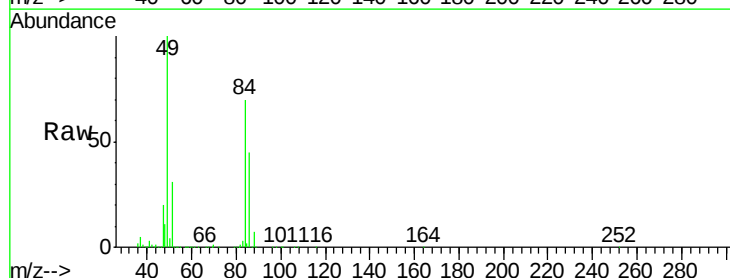
MMDadoda
 1/8/2019 12:01:38 AM

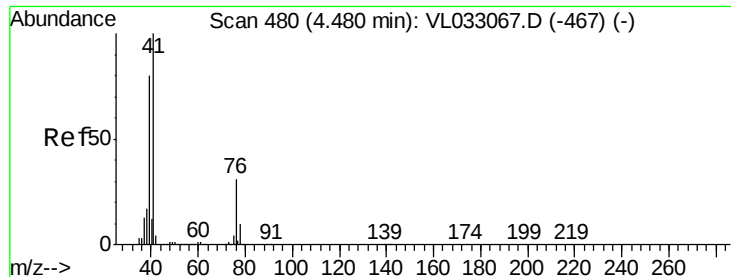


#20

Methylene Chloride
 Concen: 7.597 ppbv
 RT: 4.41 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.4	115.8	173.6
51	44.9	35.7	53.5
86	64.3	49.7	74.5





#21

Allvl Chloride

Concen: 9.228 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

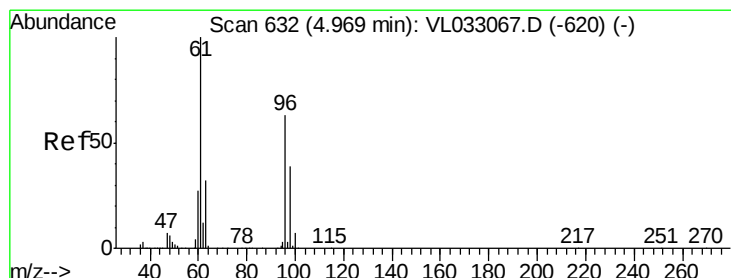
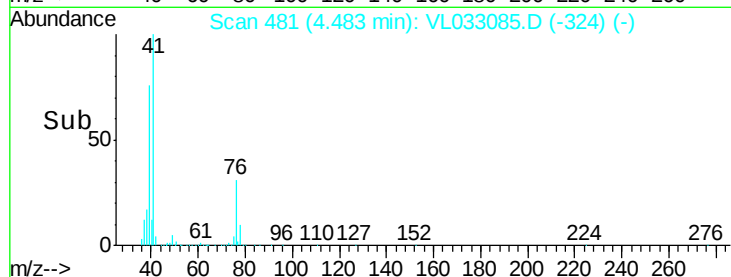
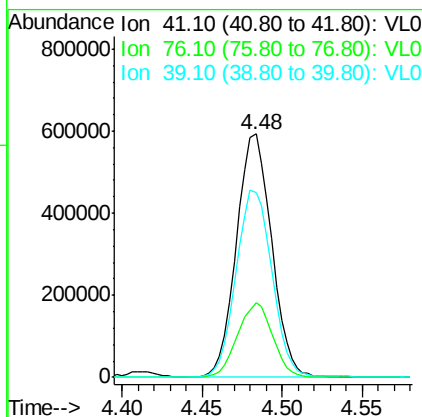
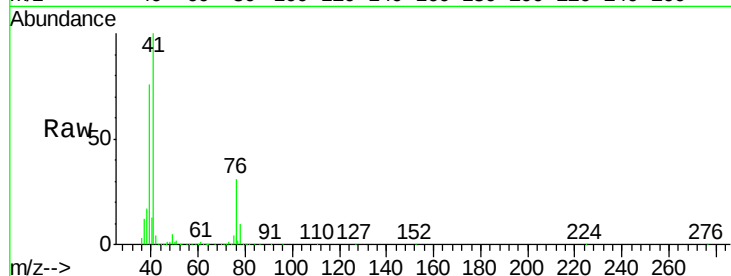
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	883139
Ion Ratio		Lower	Upper
41	100		
76	30.9	24.6	36.8
39	79.1	62.8	94.2

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.699 ppbv

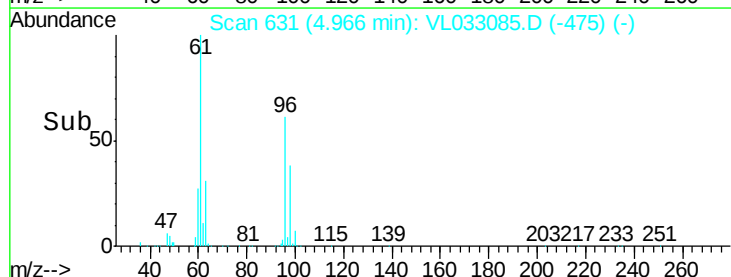
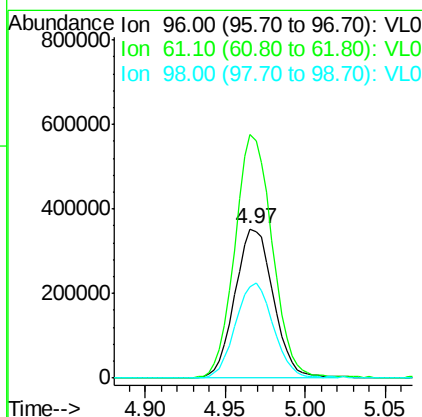
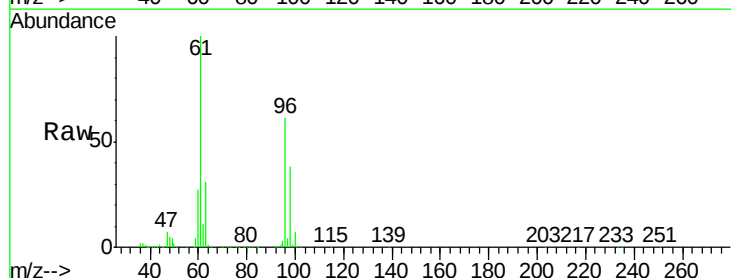
RT: 4.97 min Scan# 631

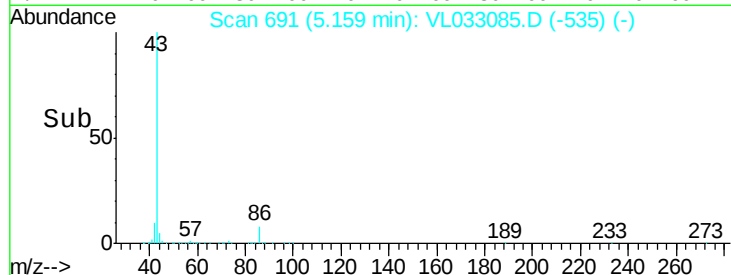
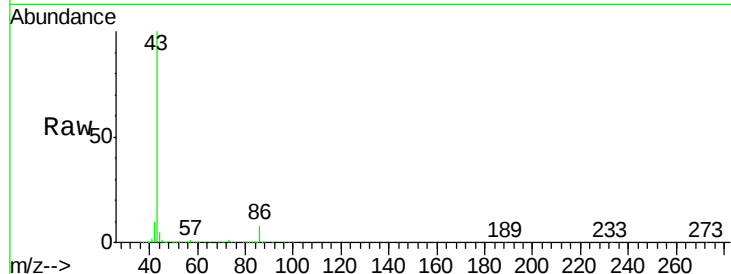
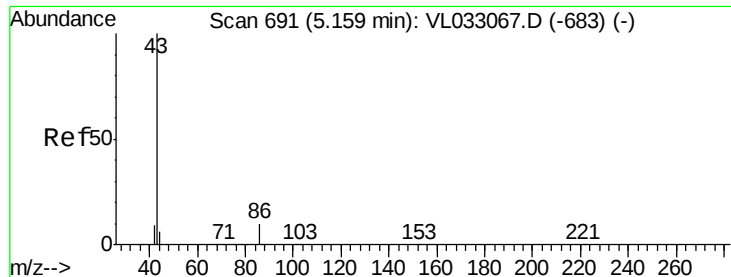
Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

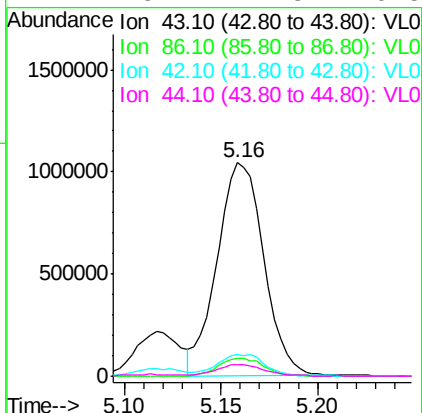
Tgt Ion:	96	Resp:	576288
Ion Ratio		Lower	Upper
96	100		
61	163.3	125.2	187.8
98	61.5	50.9	76.3





#23
 Vinyl Acetate
 Concen: 8.874 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

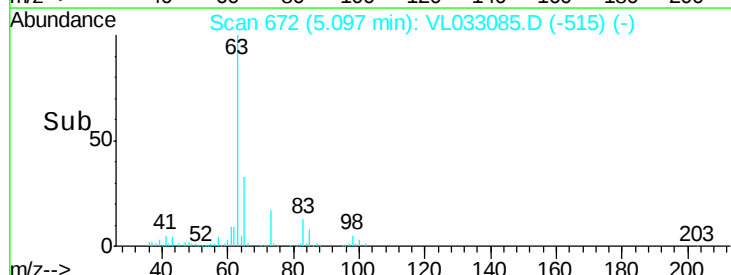
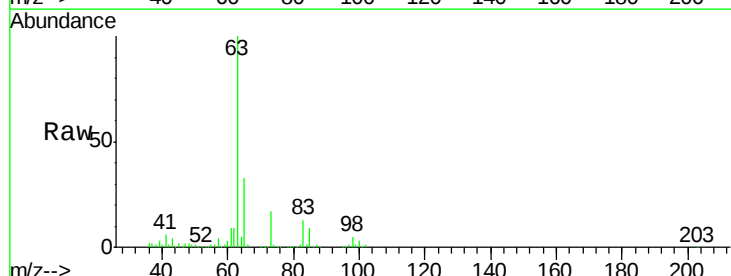
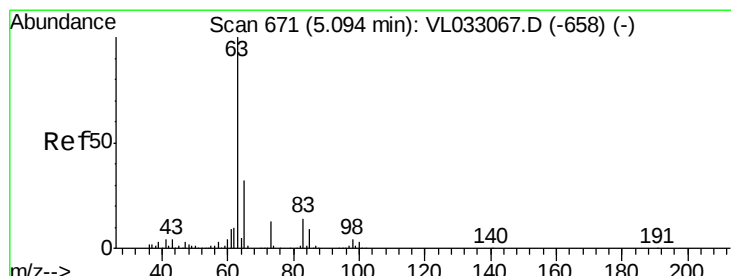
Tot Ion:	43	Resp:	1743397
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.4
42	9.9	8.1	12.1
44	5.1	4.3	6.5



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

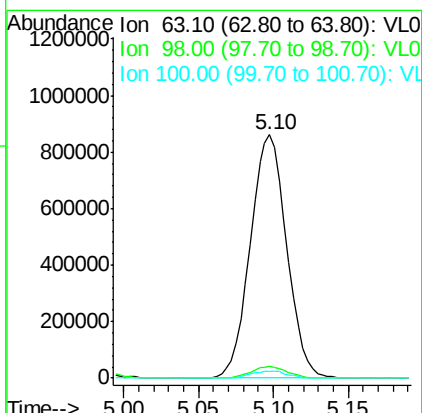
Manual Integrations
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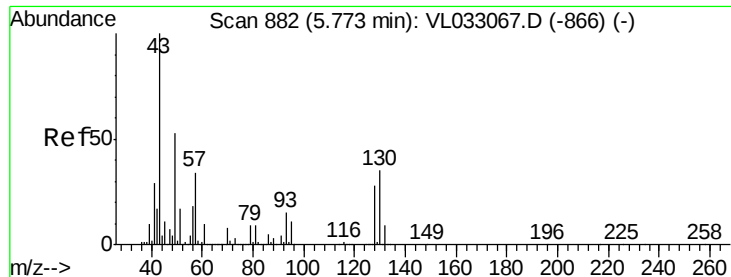
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#24
 1,1-Dichloroethane
 Concen: 8.696 ppbv
 RT: 5.10 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion:	63	Resp:	1450554
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.2
100	3.1	1.4	4.0





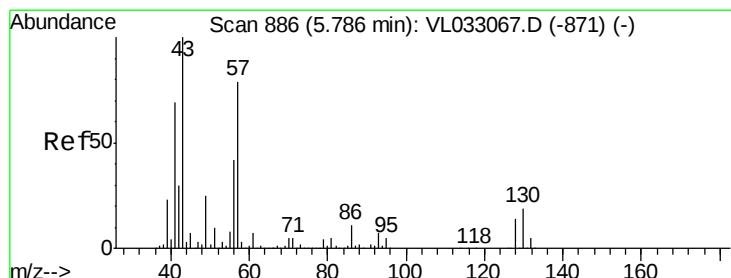
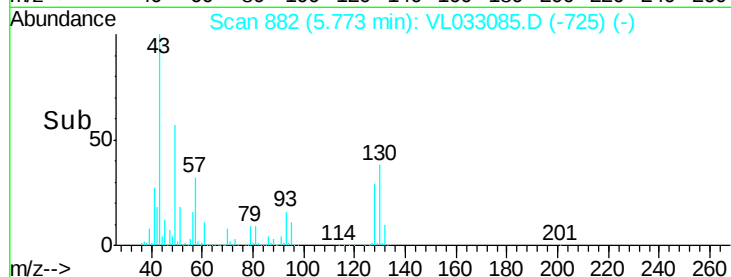
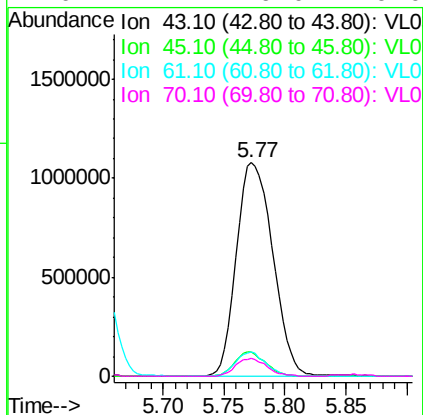
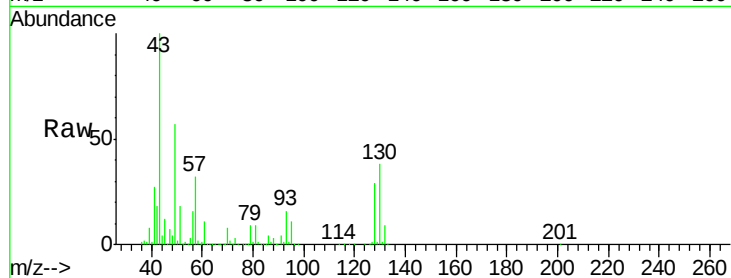
#25
Ethyl Acetate
Concen: 8.540 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.9	7.9	11.9	
61	9.7	7.8	11.8	
70	7.2	6.0	9.0	

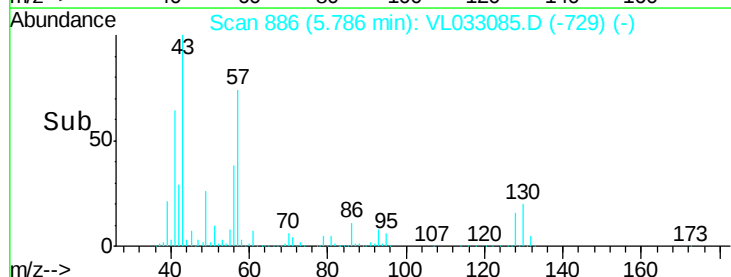
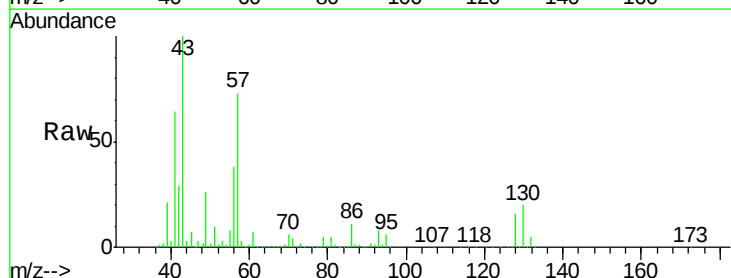
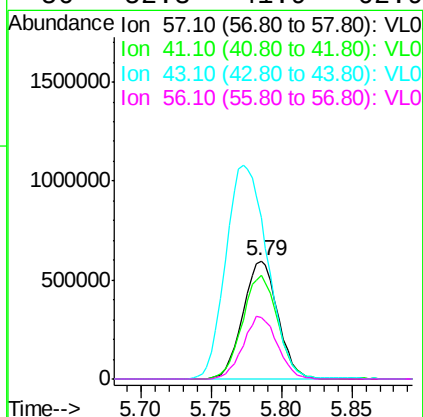
Manual Integrations
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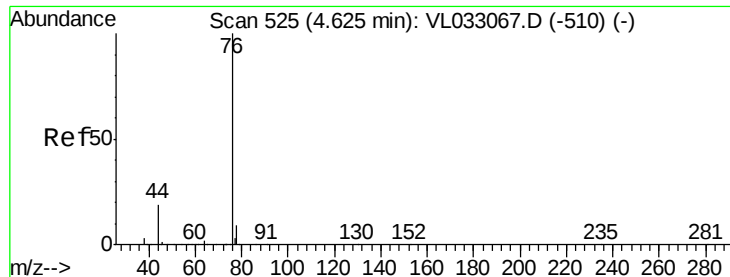
MMDadoda
1/8/2019 12:01:38 AM



#26
Hexane
Concen: 8.413 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.3	70.8	106.2	
43	216.1	171.8	257.6	
56	52.3	41.9	62.9	





#27

Carbon Disulfide

Concen: 9.213 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1396562

Ion Ratio Lower Upper

76 100

44 18.4 13.9 20.9

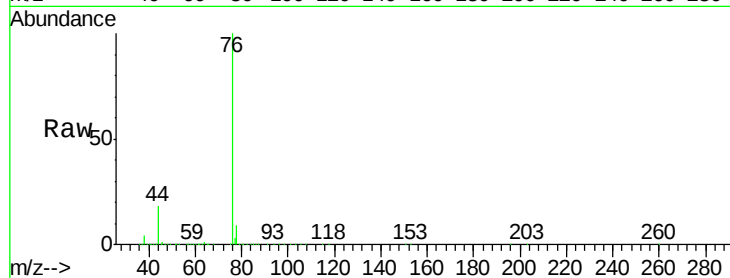
78 9.2 7.3 10.9

Manual Integrations

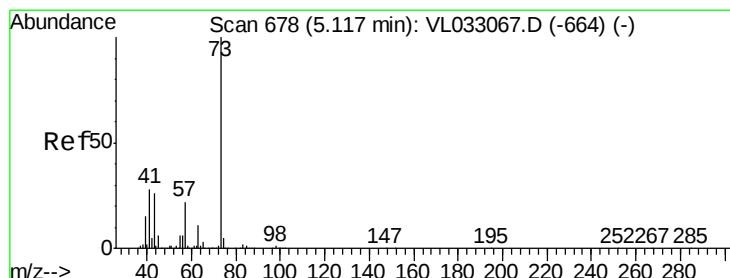
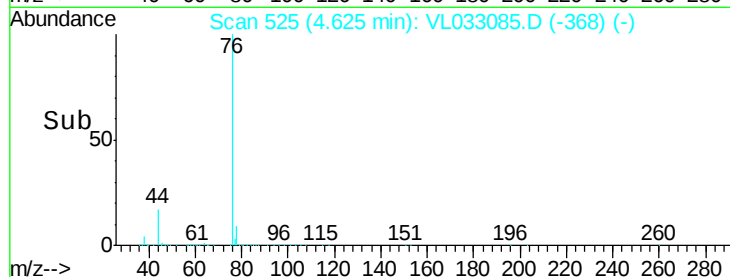
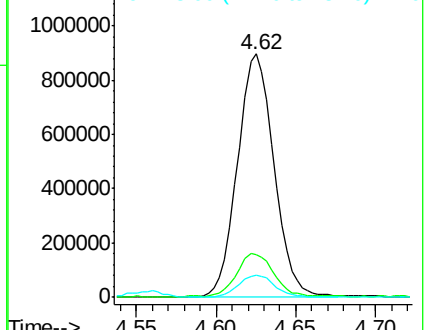
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 7.910 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.01 min

Lab File: VL033085.D

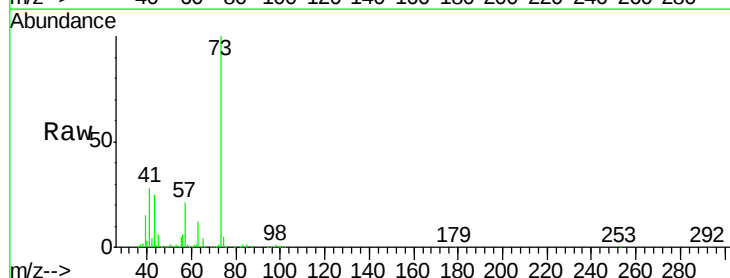
Acq: 5 Jan 2019 2:18

Tgt Ion: 73 Resp: 1517724

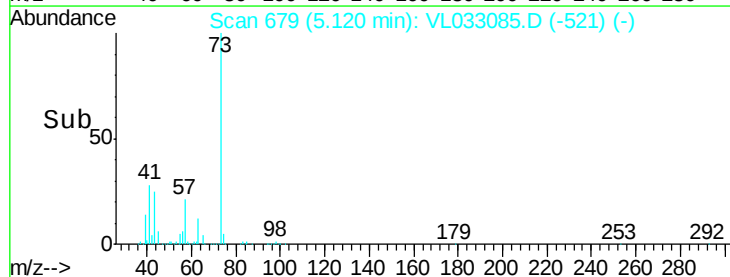
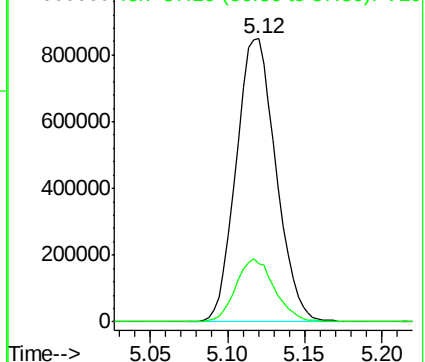
Ion Ratio Lower Upper

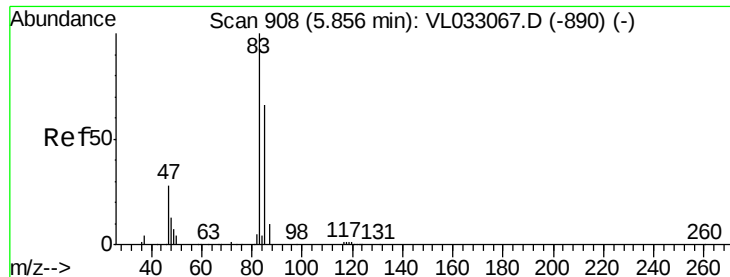
73 100

57 22.0 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





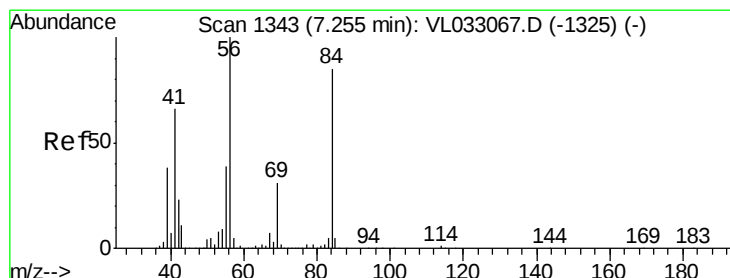
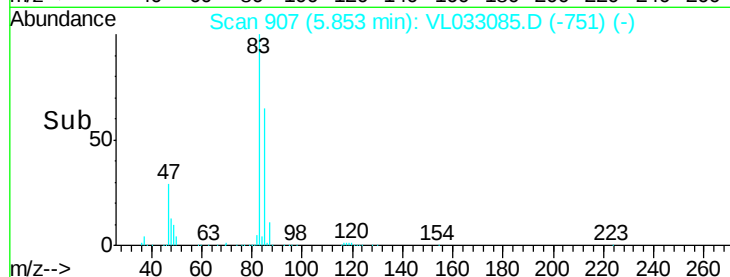
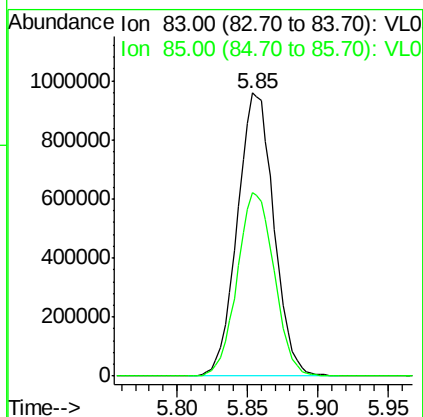
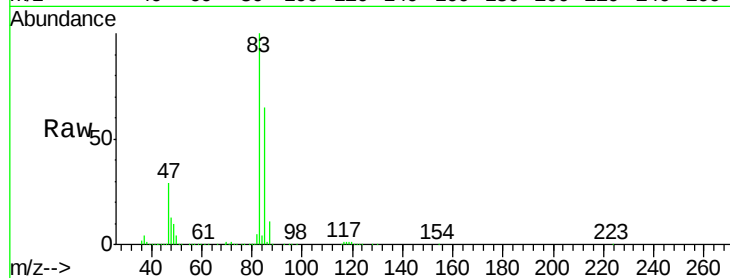
#29
Chloroform
Concen: 8.288 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1736039
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7

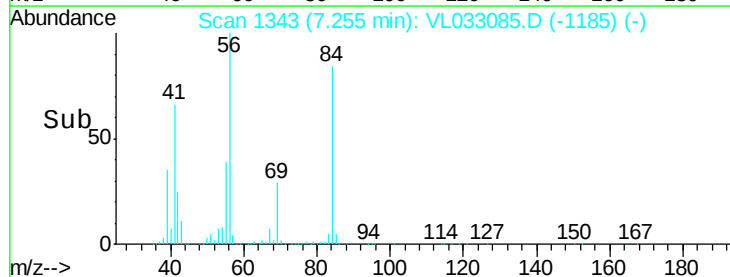
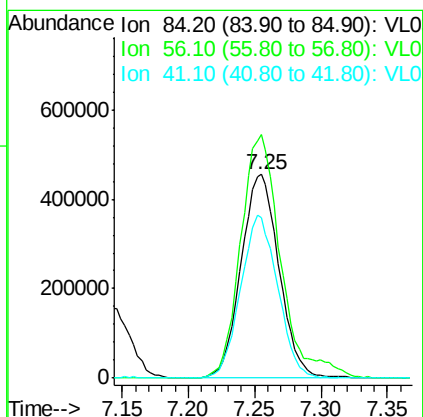
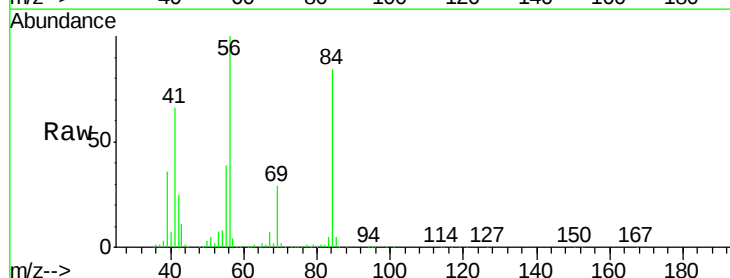
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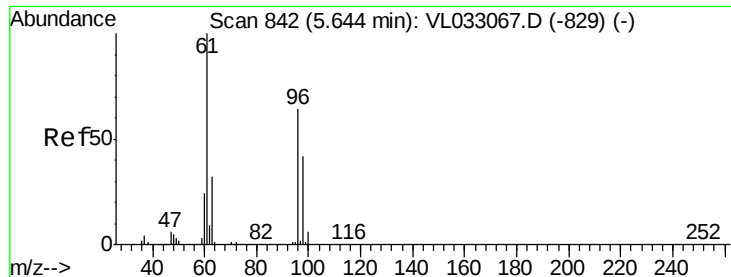
MMDadoda
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#30
Cyclohexane
Concen: 9.874 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 84 Resp: 904956
Ion Ratio Lower Upper
84 100
56 126.8 101.8 152.6
41 78.4 63.2 94.8





#31

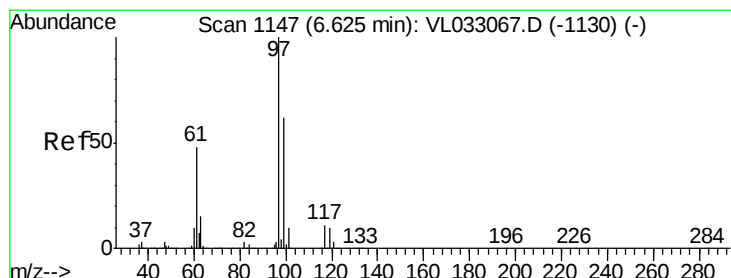
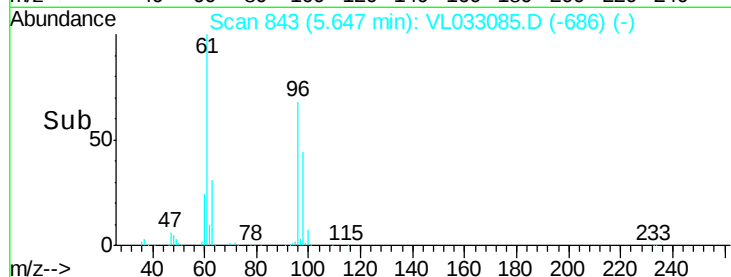
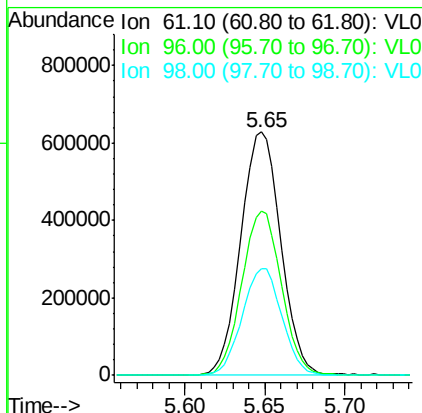
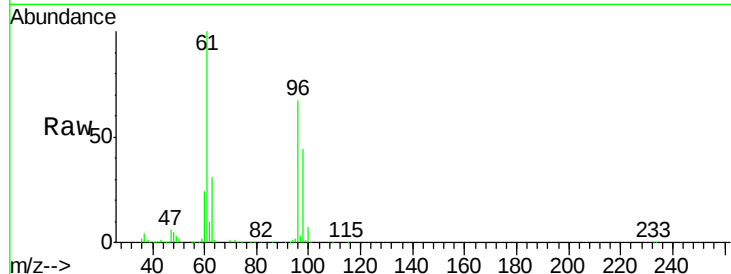
cis-1,2-Dichloroethene
Concen: 9.398 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.4	52.8	79.2
98	43.9	33.8	50.6

Manual Integrations
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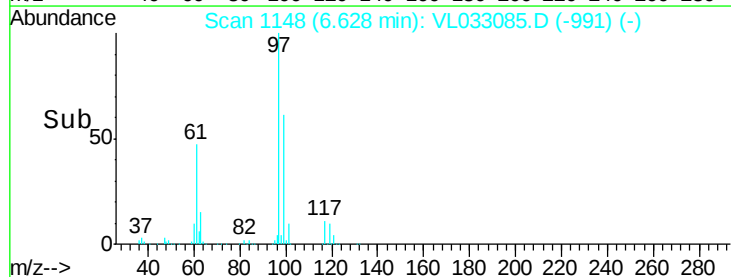
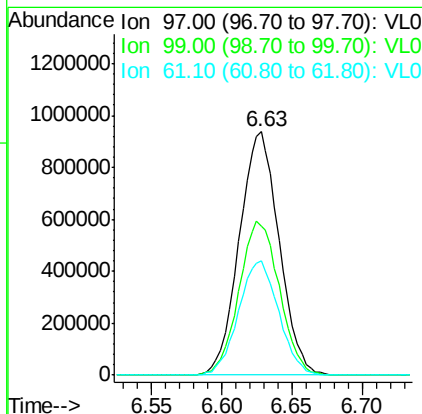
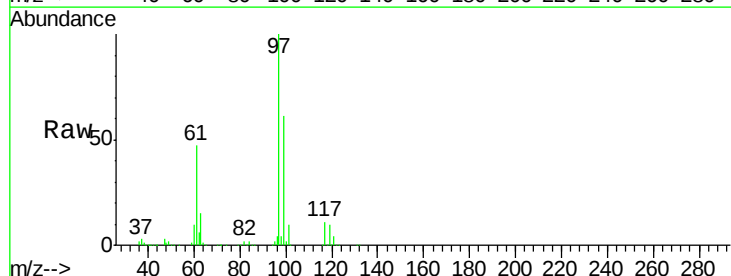
MMDadoda
1/8/2019 12:01:38 AM

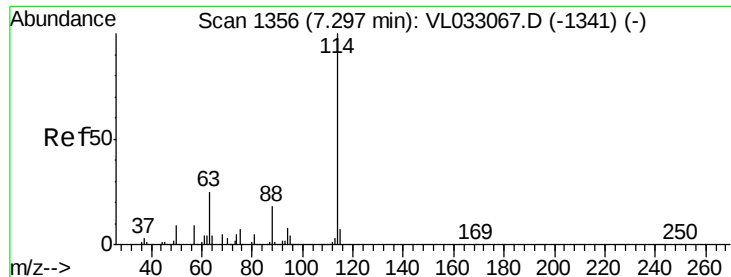


#32

1,1,1-Trichloroethane
Concen: 8.725 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	47.5	38.3	57.5





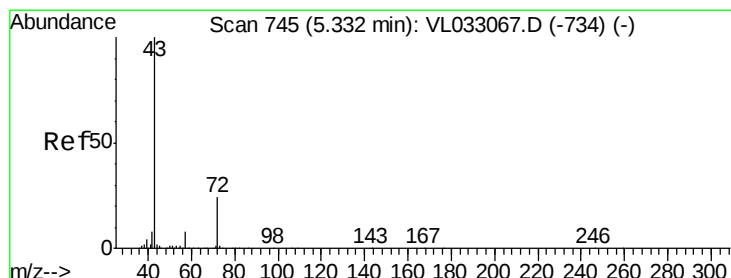
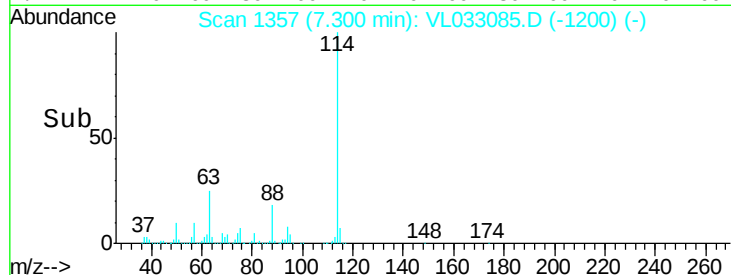
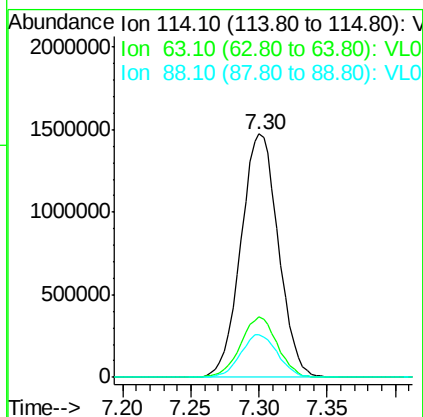
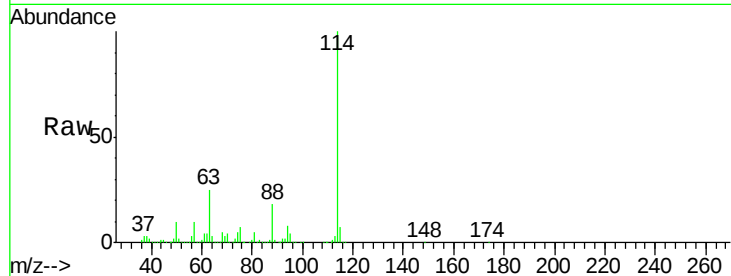
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.1	30.1
88	17.4	14.0	21.0

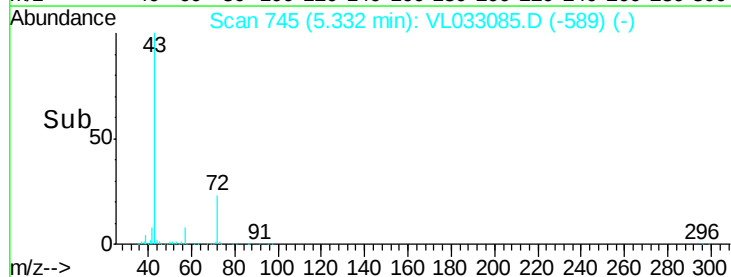
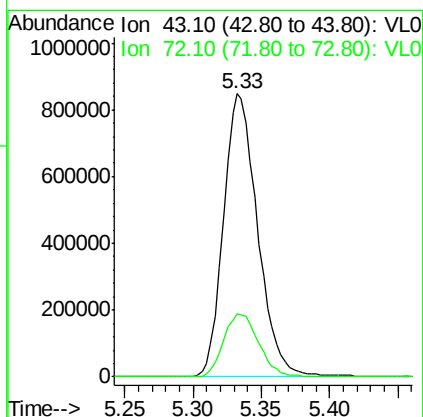
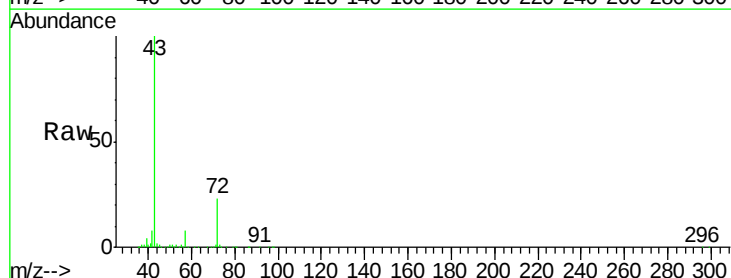
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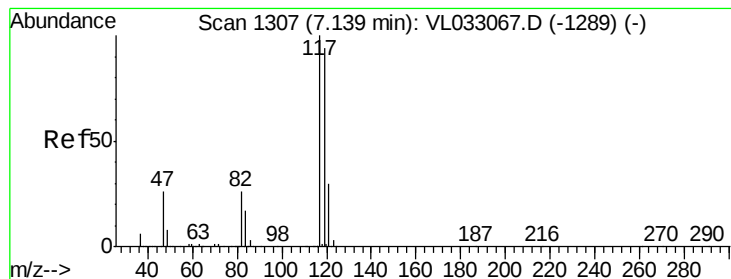
MMDadoda
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#34
 2-Butanone
 Concen: 8.968 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.9	28.3





#35

Carbon Tetrachloride

Concen: 8.099 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1952814

Ion Ratio Lower Upper

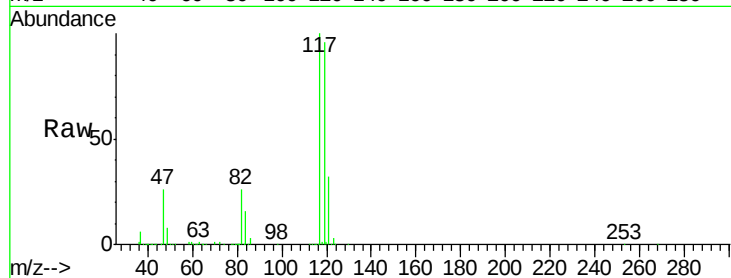
117 100

119 96.4 76.5 114.7

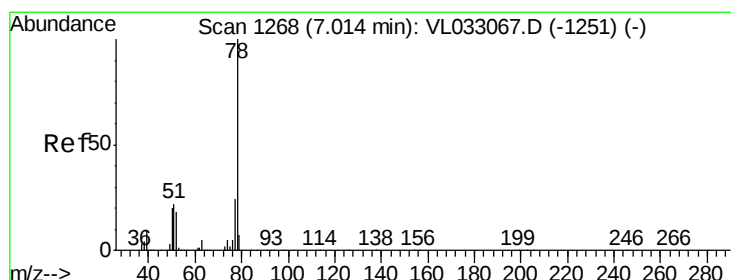
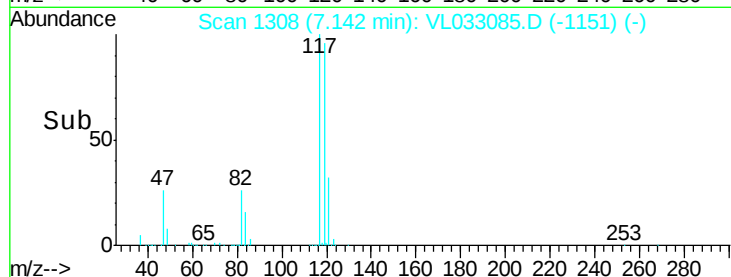
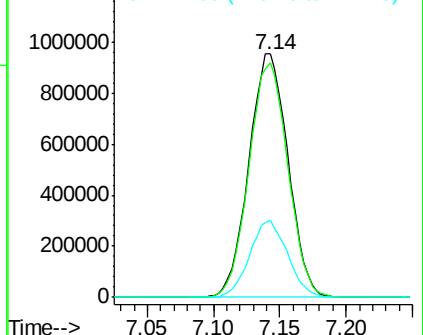
121 31.6 25.2 37.8

Manual Integrations
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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: 9.037 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

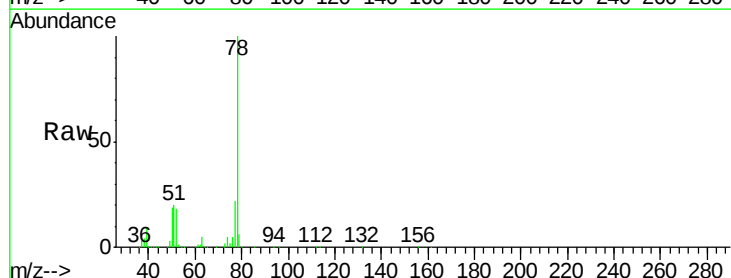
Tgt Ion: 78 Resp: 2077922

Ion Ratio Lower Upper

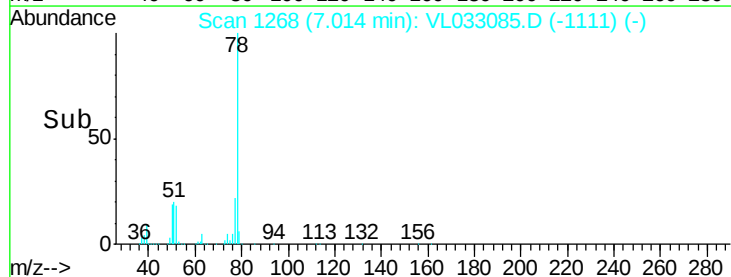
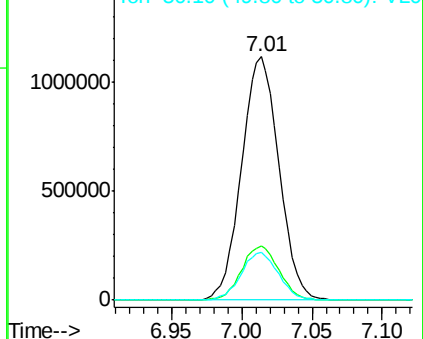
78 100

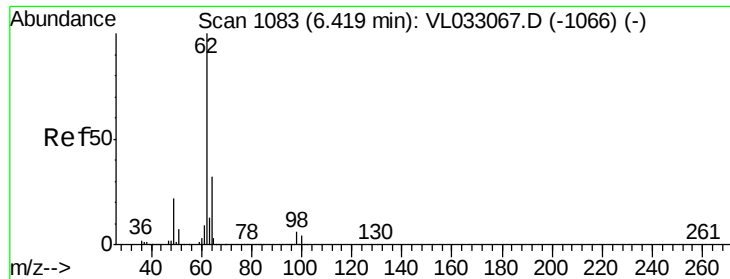
77 22.4 18.5 27.7

50 19.5 15.7 23.5



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





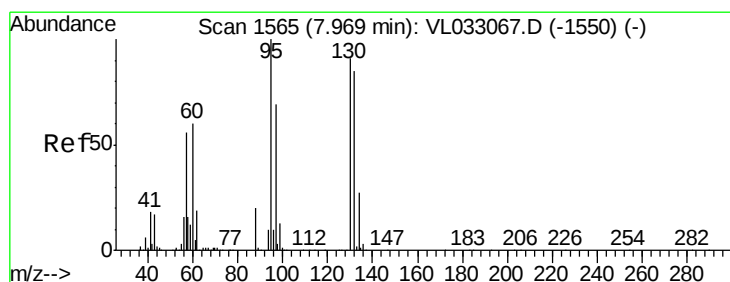
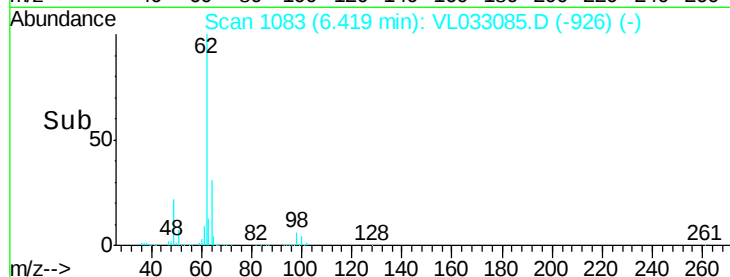
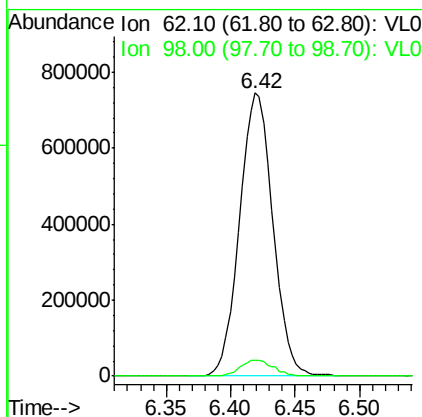
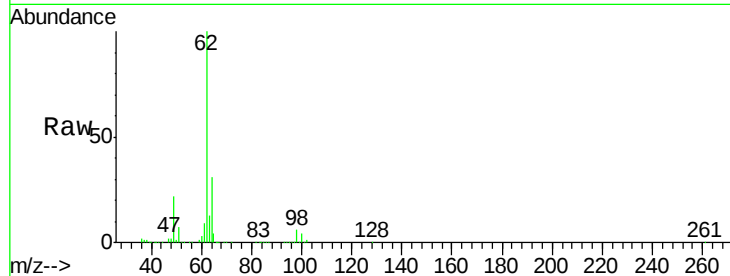
#37
1,2-Dichloroethane
Concen: 8.354 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1341249
Ion Ratio Lower Upper
62 100
98 5.7 4.6 7.0

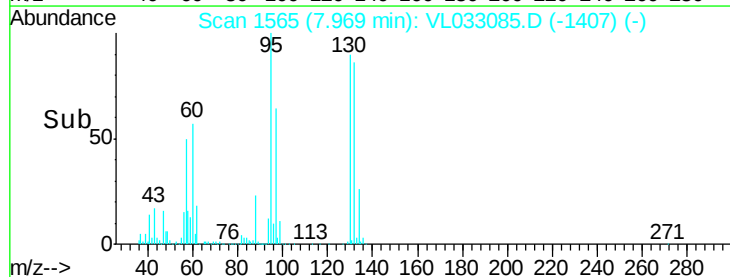
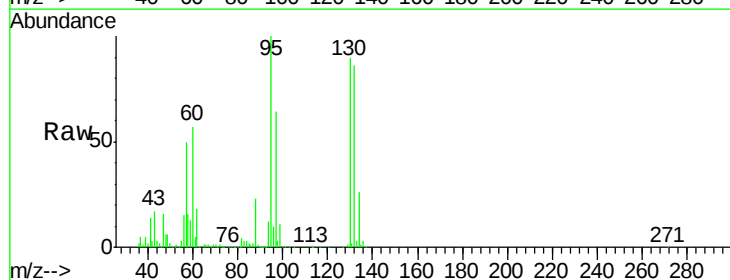
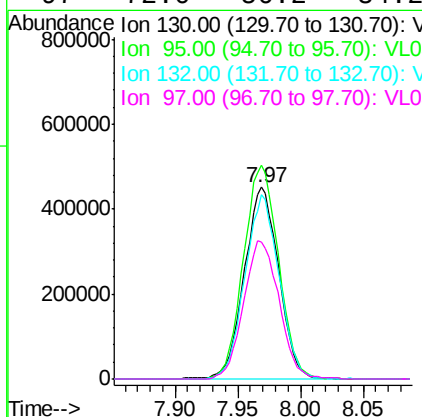
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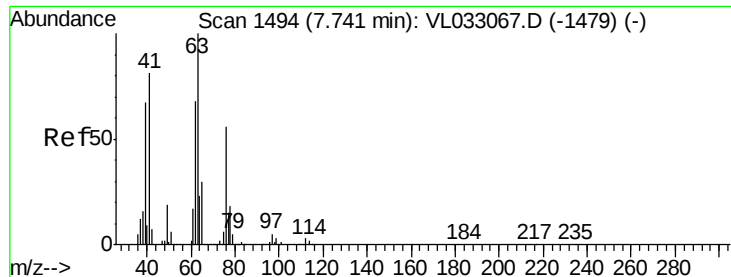
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#38
Trichloroethene
Concen: 9.079 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 130 Resp: 858835
Ion Ratio Lower Upper
130 100
95 111.7 88.6 132.8
132 96.3 74.2 111.2
97 72.0 56.2 84.2





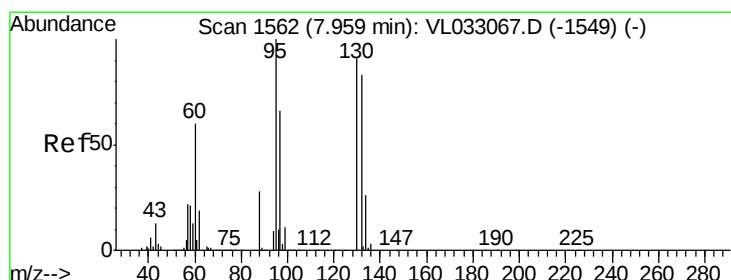
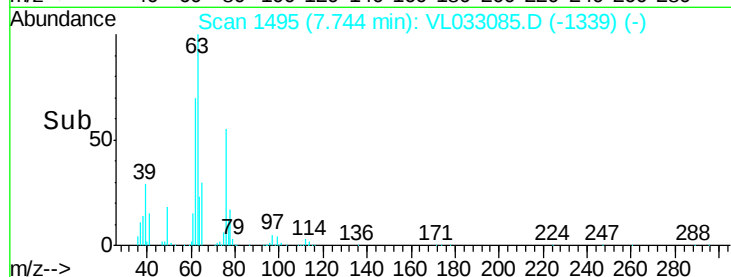
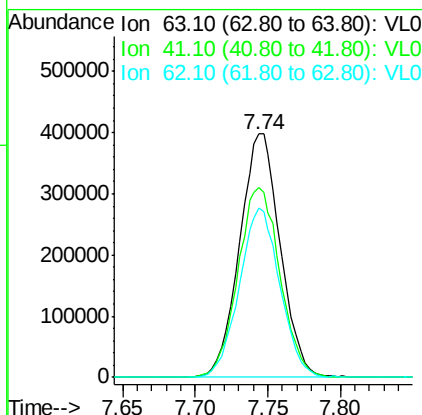
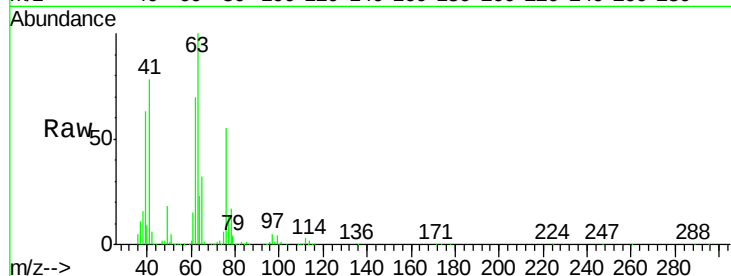
#39
 1,2-Dichloropropane
 Concen: 8.938 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.1	61.9	92.9
62	69.6	55.8	83.6

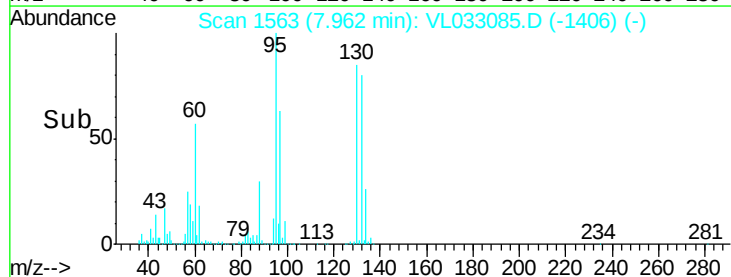
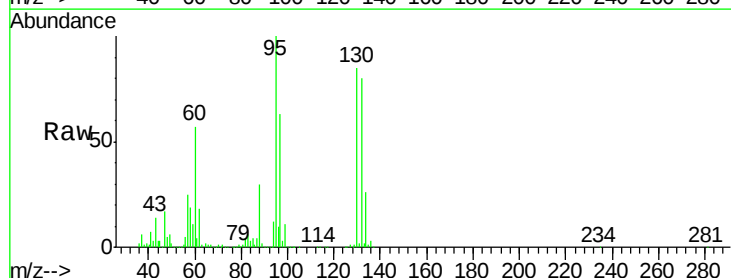
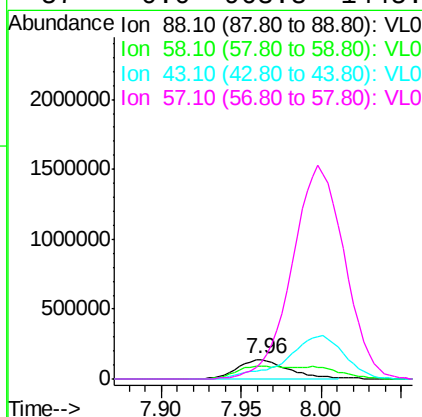
Manual Integrations
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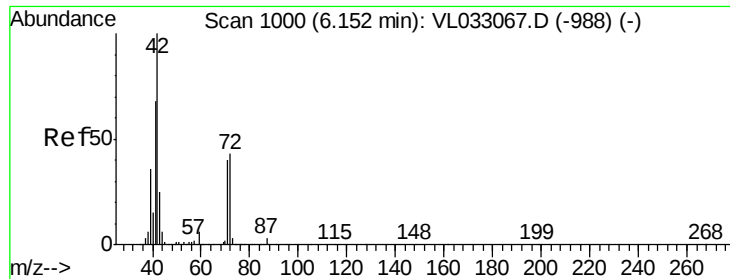
MMDadoda
 1/8/2019 12:01:38 AM



#40
 1,4-Dioxane
 Concen: 8.939 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	57.7	101.9	152.9#
43	0.0	212.6	319.0#
57	0.0	963.8	1445.6#





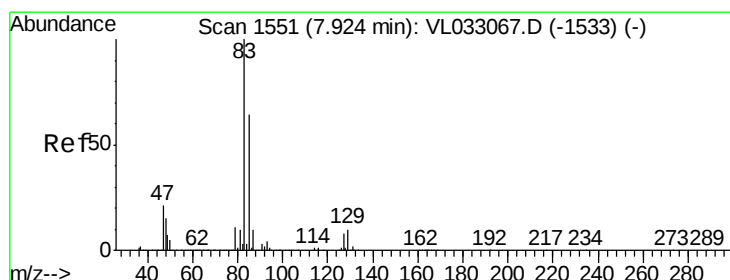
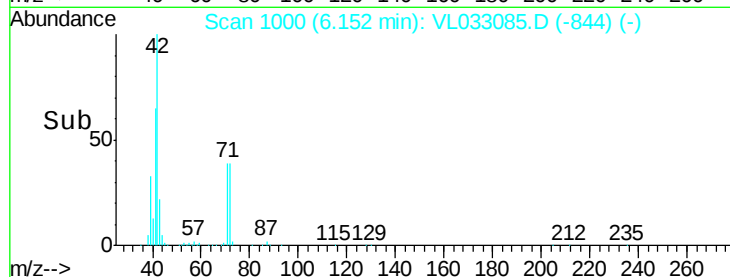
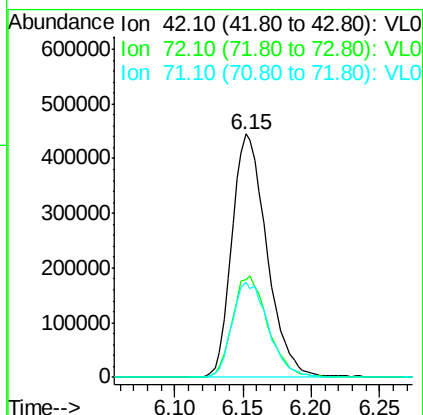
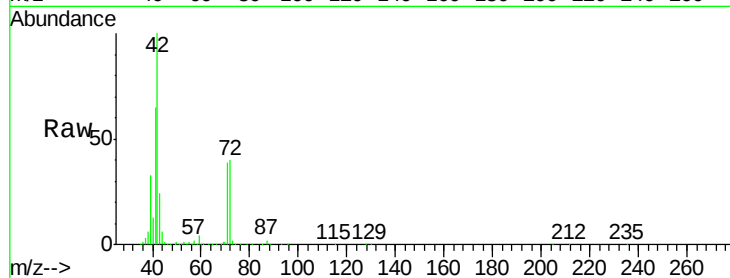
#41
Tetrahydrofuran
Concen: 9.554 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	32.9	49.3
71	40.6	31.8	47.6

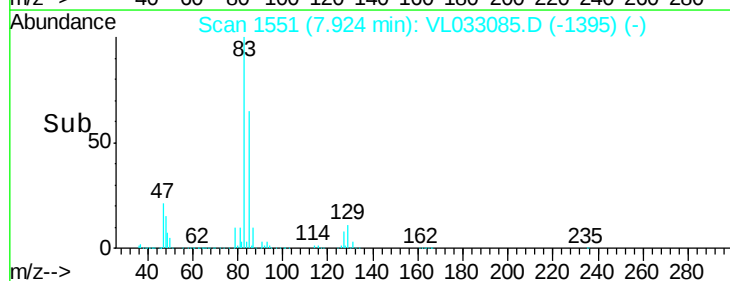
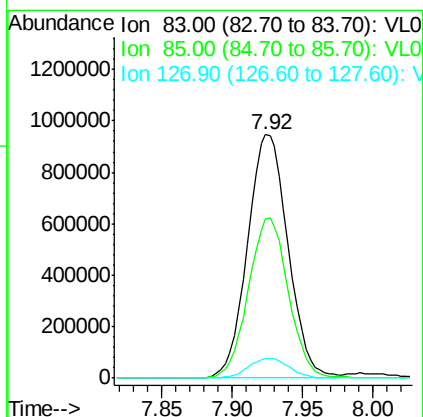
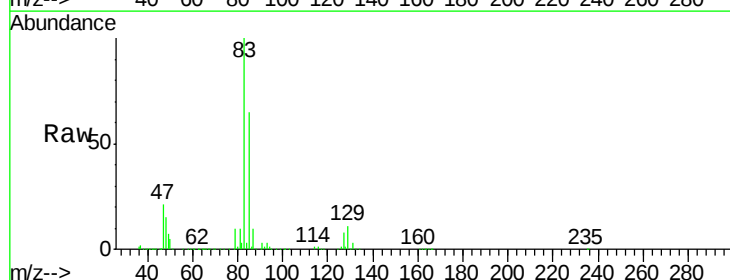
Manual Integrations
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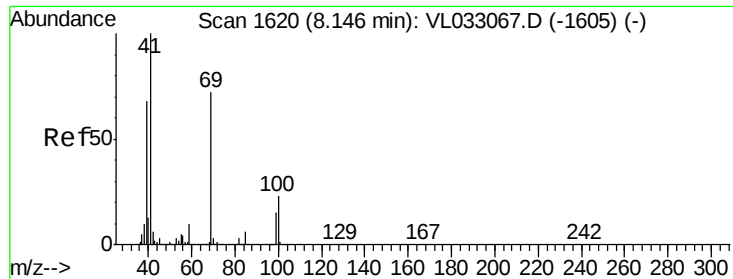
MMDadoda
1/8/2019 12:01:38 AM



#42
Bromodichloromethane
Concen: 8.606 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4
127	8.1	6.5	9.7





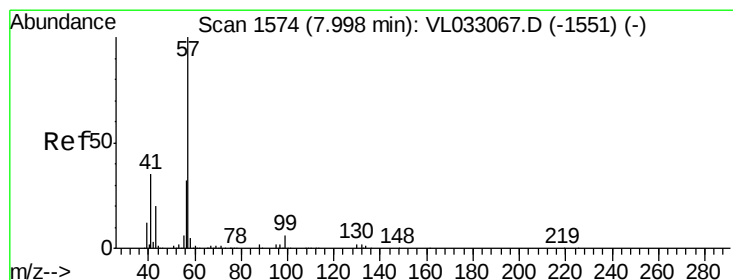
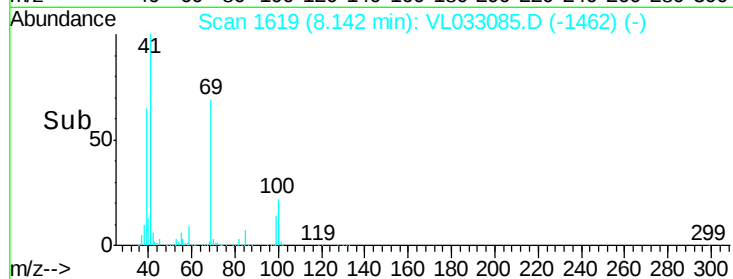
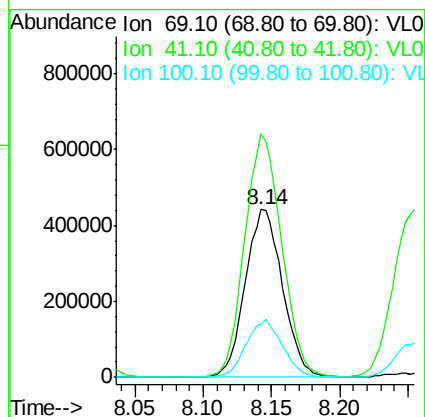
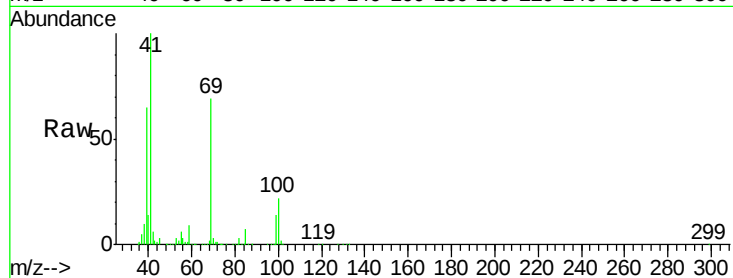
#43
Methvl Methacrylate
Concen: 9.710 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	144.3	114.0	171.0
100	33.3	26.3	39.5

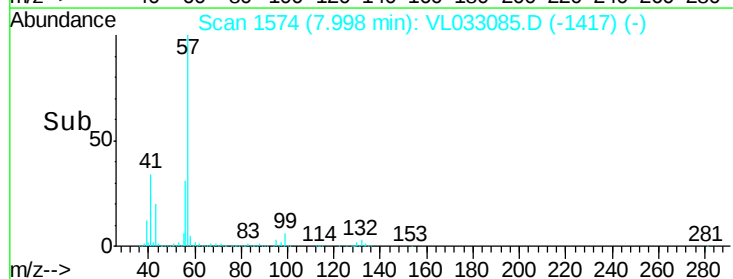
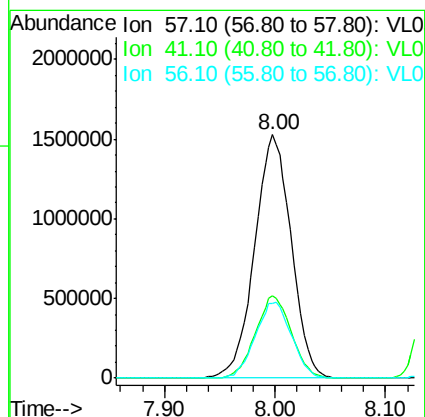
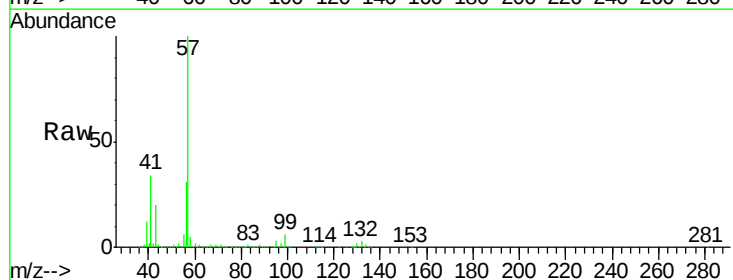
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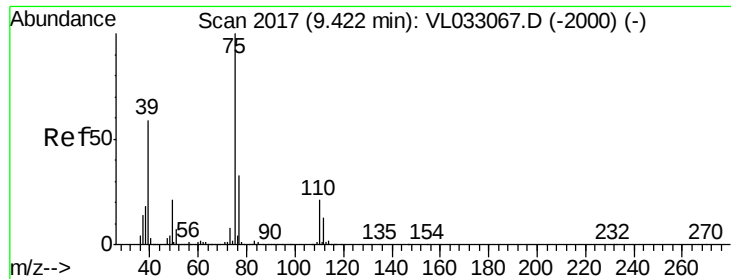
MMDadoda
1/8/2019 12:01:38 AM



#44
2,2,4-Trimethylpentane
Concen: 8.996 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.2
56	30.9	24.9	37.3





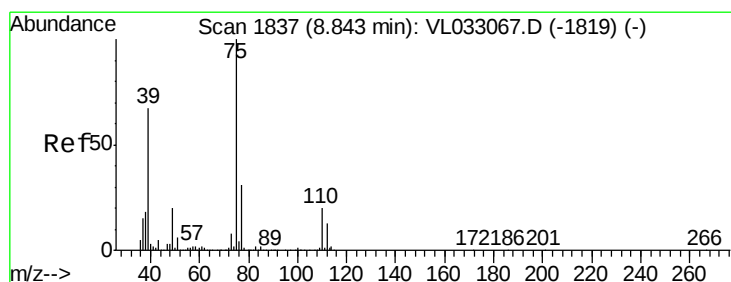
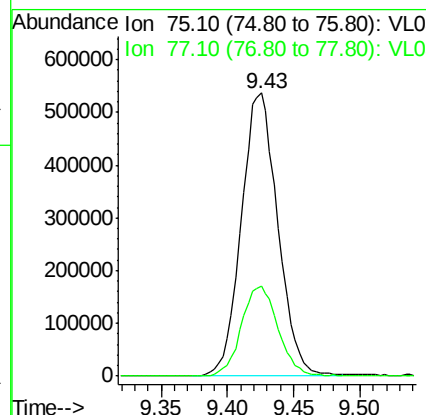
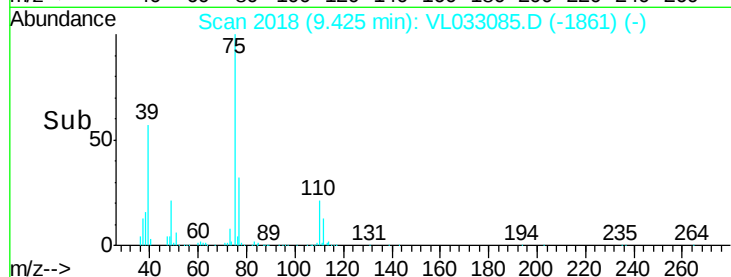
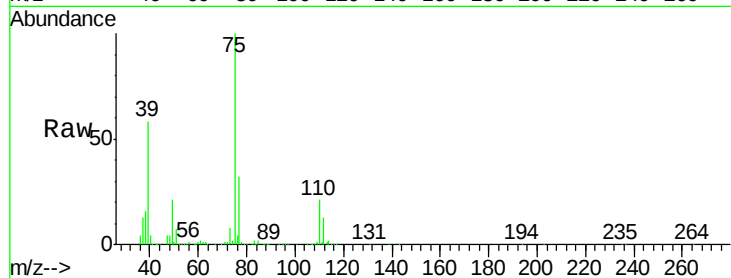
#45
t-1,3-Dichloropropene
Concen: 9.544 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1025074
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2

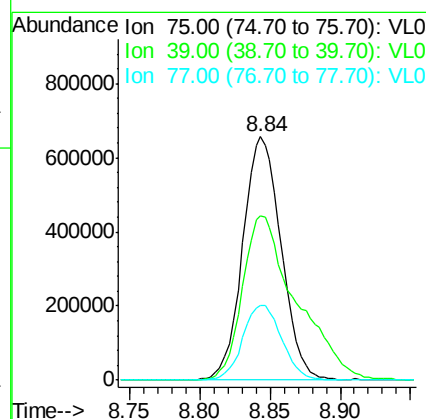
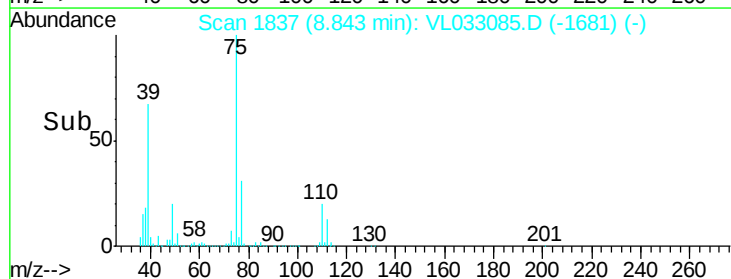
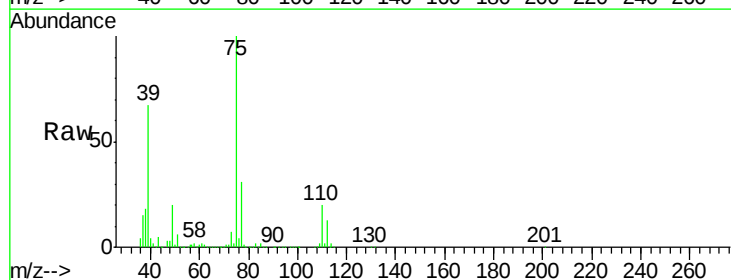
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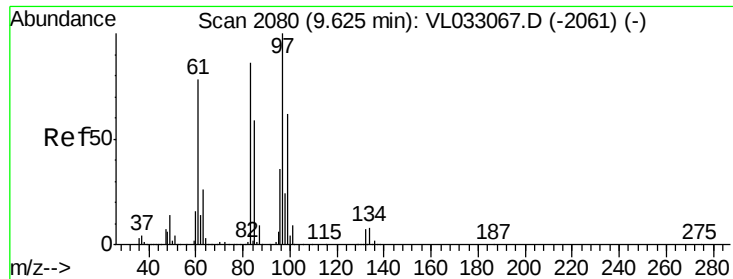
MMDadoda
1/8/2019 12:01:38 AM



#46
cis-1,3-Dichloropropene
Concen: 10.178 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 75 Resp: 1247662
Ion Ratio Lower Upper
75 100
39 67.3 51.3 76.9
77 30.7 25.5 38.3





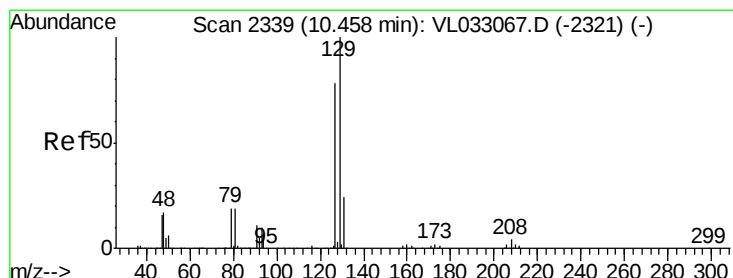
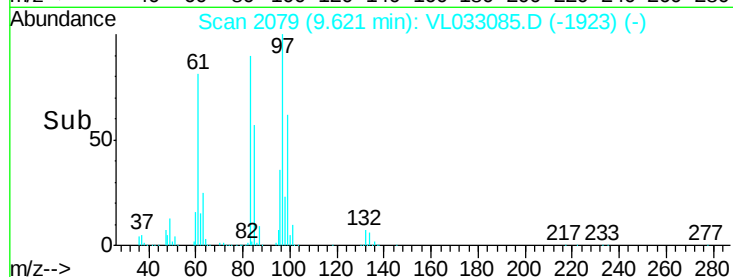
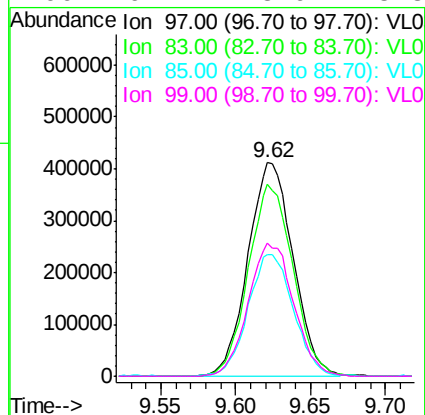
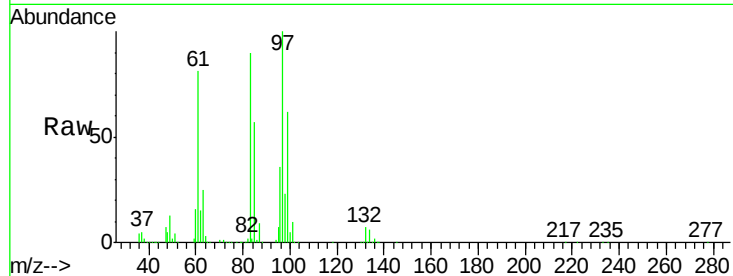
#47
 1,1,2-Trichloroethane
 Concen: 8.551 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		863006		
83	89.6	69.4	104.2		
85	56.6	44.2	66.2		
99	62.1	48.9	73.3		

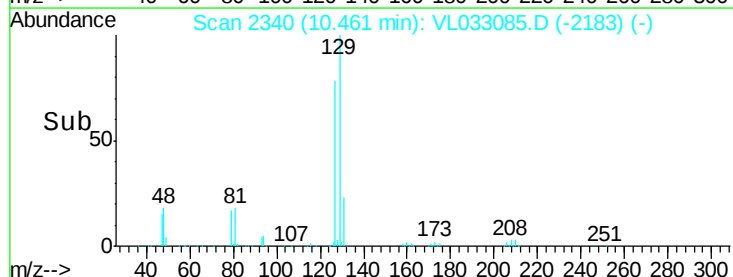
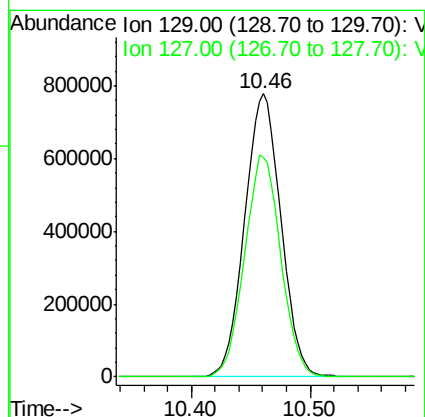
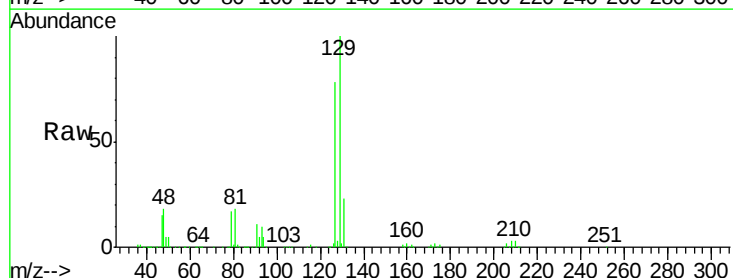
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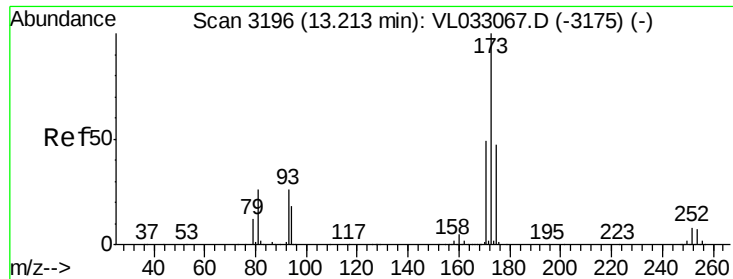
MMDadoda
 1/8/2019 12:01:38 AM



#48
 Dibromochloromethane
 Concen: 9.205 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1641358		
127	78.1	39.1	117.3		





#49

Bromoform

Concen: 8.965 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1396682

Ion Ratio Lower Upper

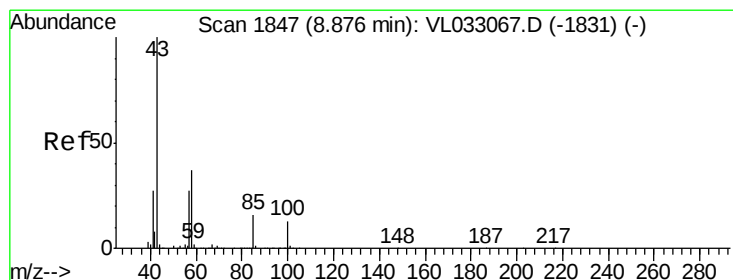
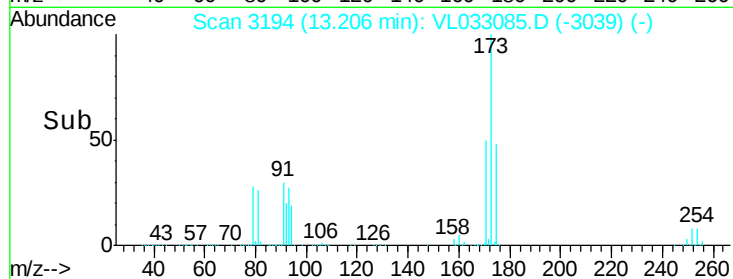
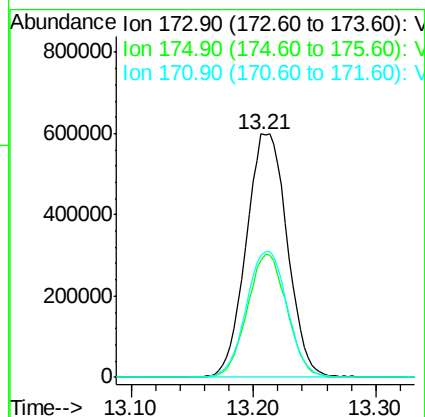
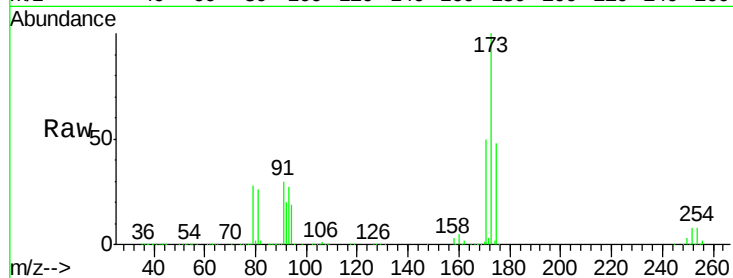
173 100

175 48.8 39.4 59.2

171 51.6 42.1 63.1

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#50

4-Methyl-2-Pentanone

Concen: 9.744 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL033085.D

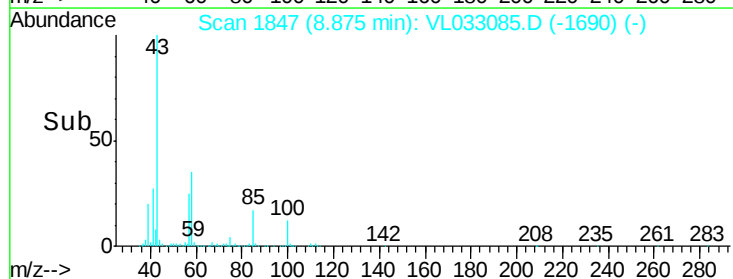
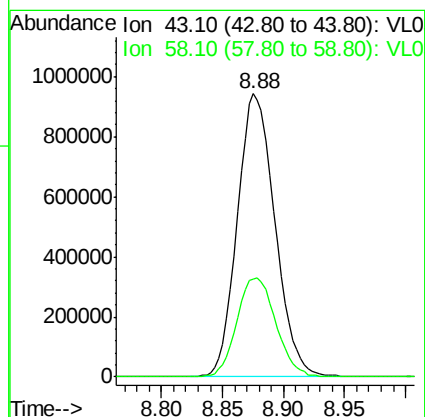
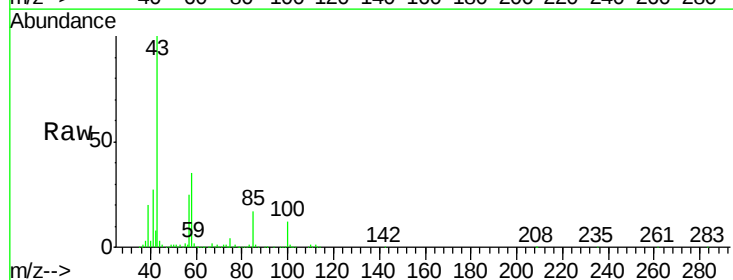
Acq: 5 Jan 2019 2:18

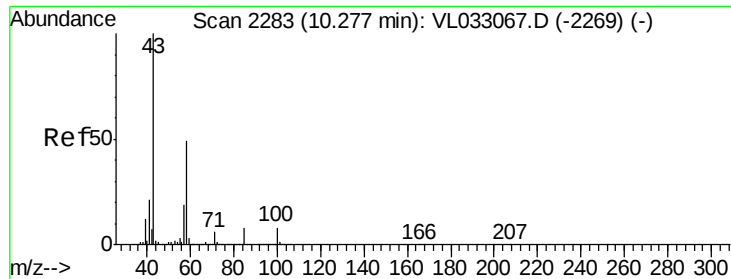
Tgt Ion: 43 Resp: 2013807

Ion Ratio Lower Upper

43 100

58 36.2 28.9 43.3





#51

2-Hexanone

Concen: 10.455 ppbv

RT: 10.28 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1563400

Ion Ratio Lower Upper

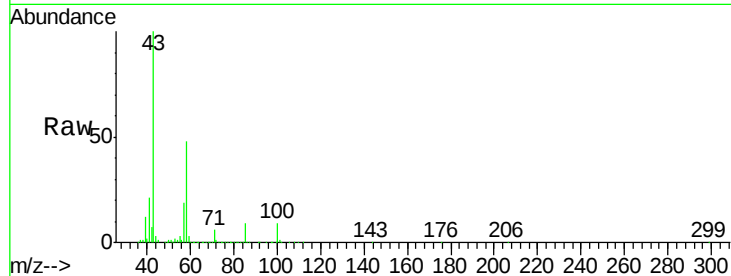
43 100

58 48.3 39.0 58.6

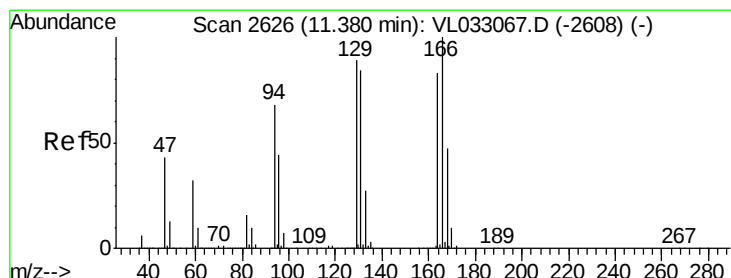
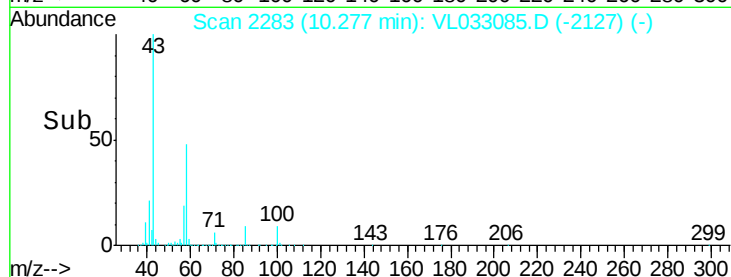
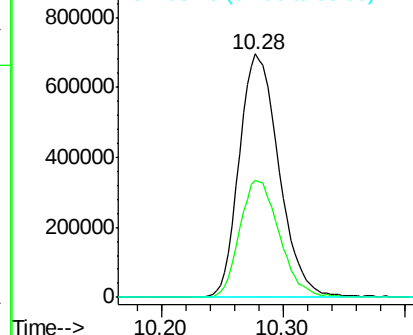
98 0.4 0.4 0.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.890 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Tgt Ion: 164 Resp: 722552

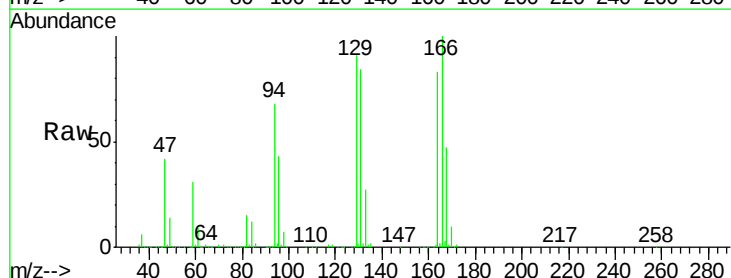
Ion Ratio Lower Upper

164 100

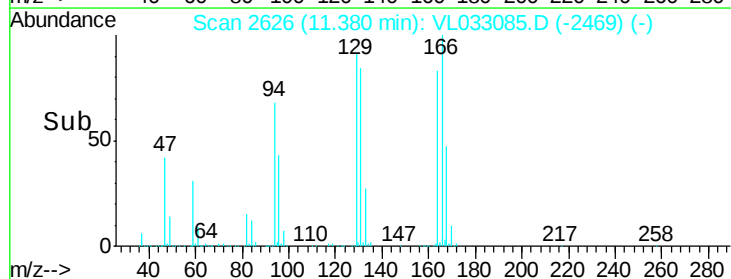
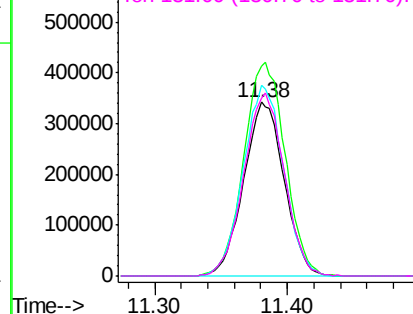
166 120.8 100.8 151.2

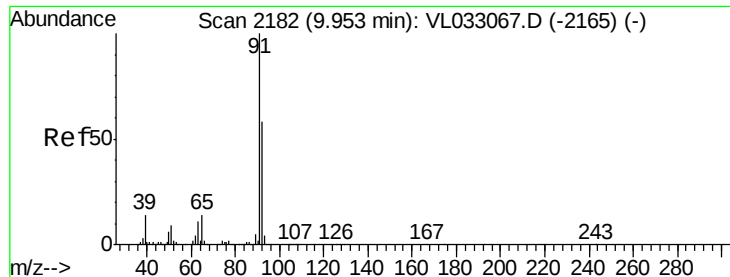
129 109.4 84.6 126.8

131 102.1 80.7 121.1



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: 9.601 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2365940

Ion Ratio Lower Upper

91 100

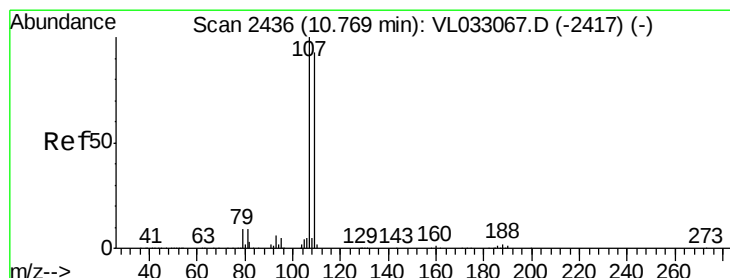
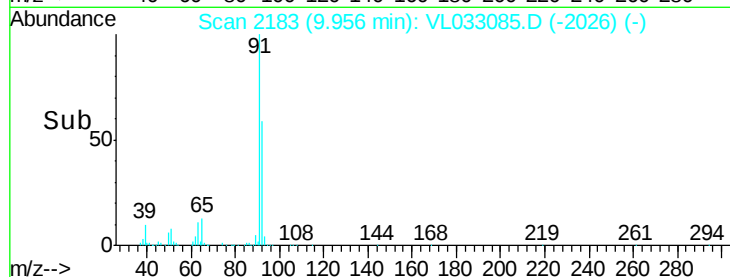
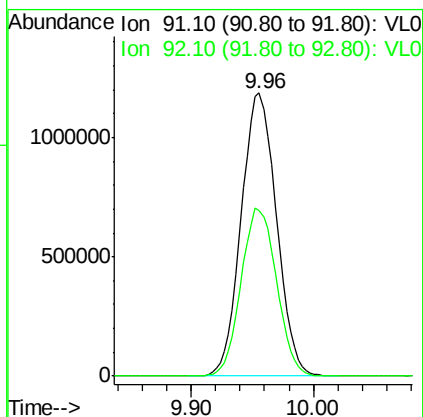
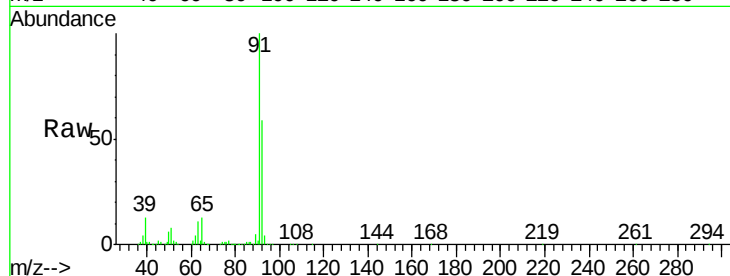
92 59.7 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 9.230 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL033085.D

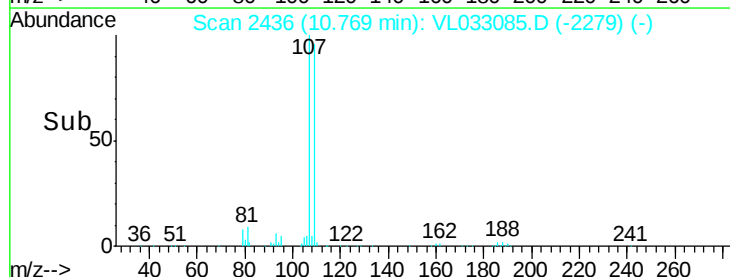
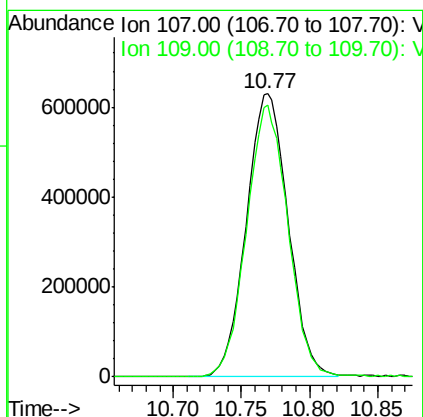
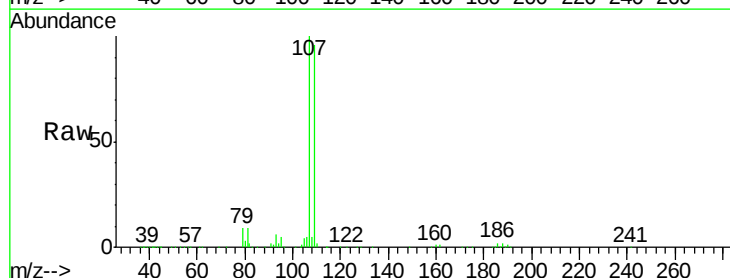
Acq: 5 Jan 2019 2:18

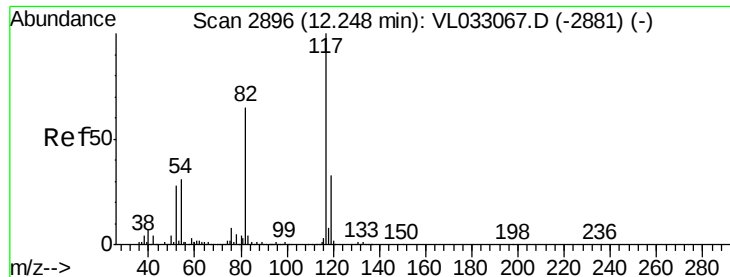
Tgt Ion: 107 Resp: 1342215

Ion Ratio Lower Upper

107 100

109 95.9 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2770510

Ion Ratio Lower Upper

117 100

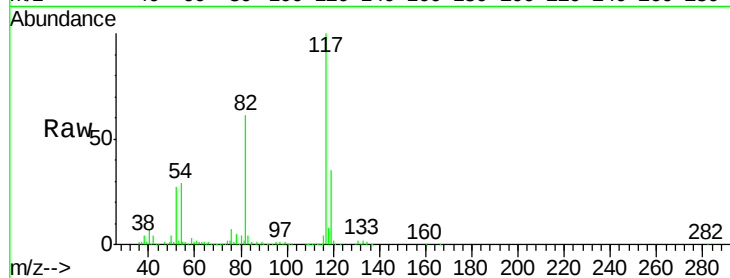
82 62.3 48.9 73.3

119 33.9 24.6 37.0

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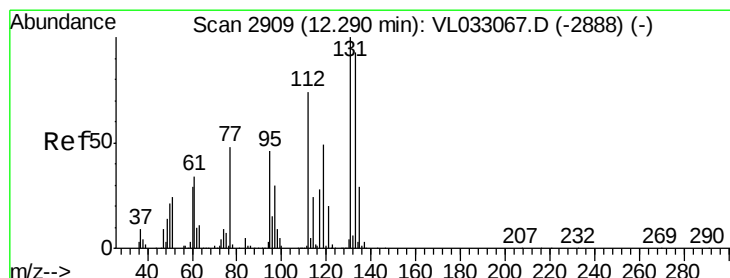
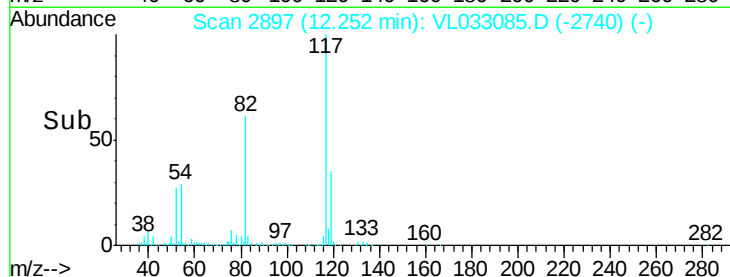
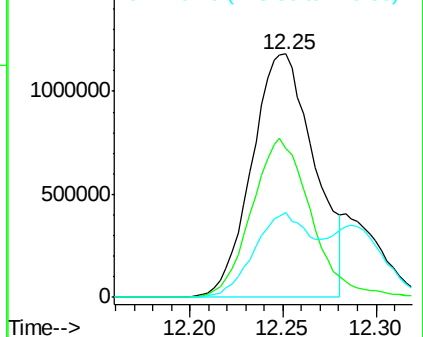
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.282 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

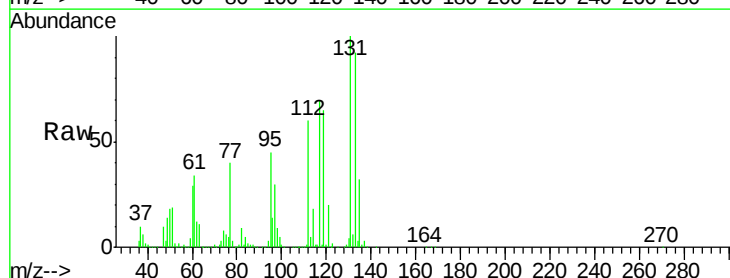
Tgt Ion:131 Resp: 1185595

Ion Ratio Lower Upper

131 100

133 93.8 76.0 114.0

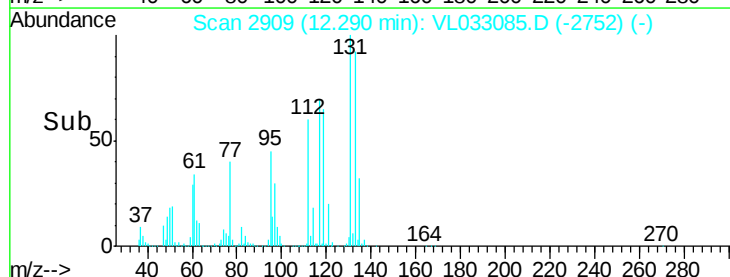
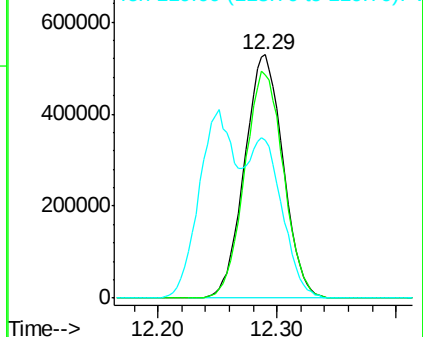
119 58.6 44.2 66.2

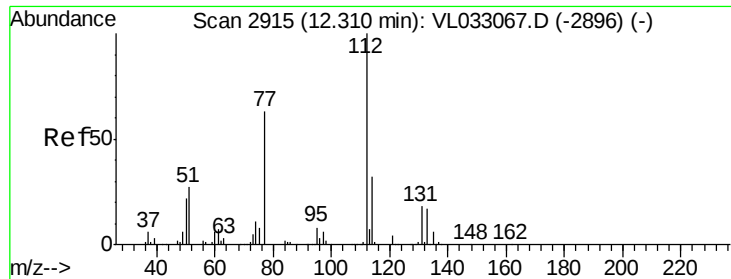


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





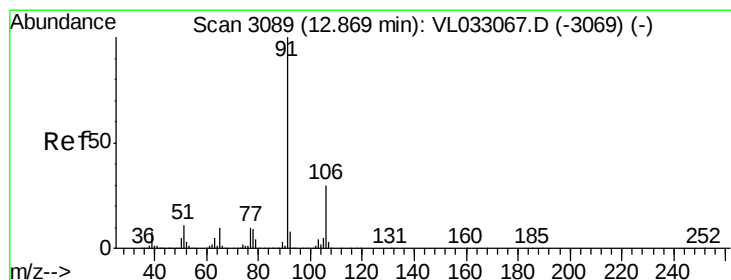
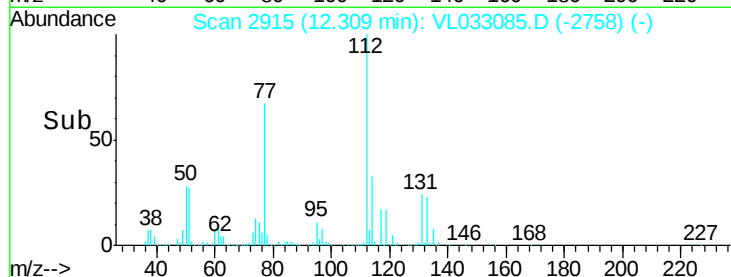
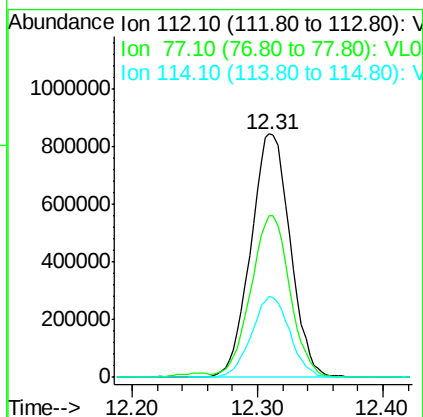
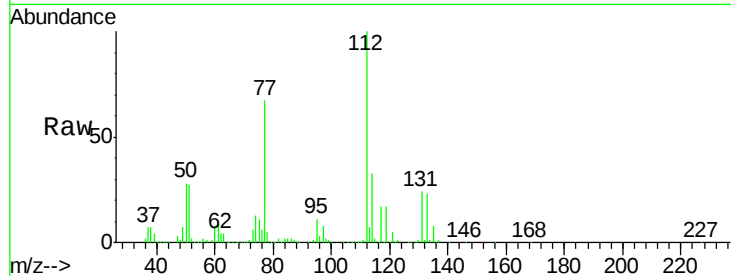
#57
Chlorobenzene
Concen: 7.965 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 1842022
Ion Ratio Lower Upper
112 100
77 66.4 53.4 80.0
114 32.9 30.0 36.6

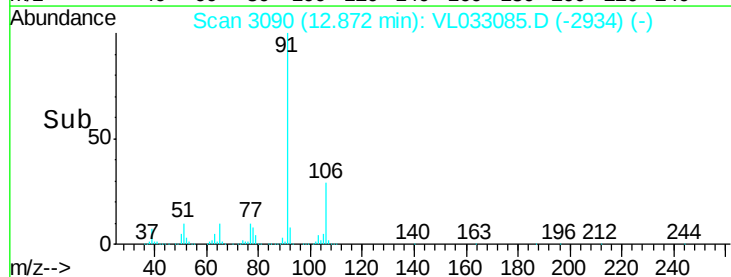
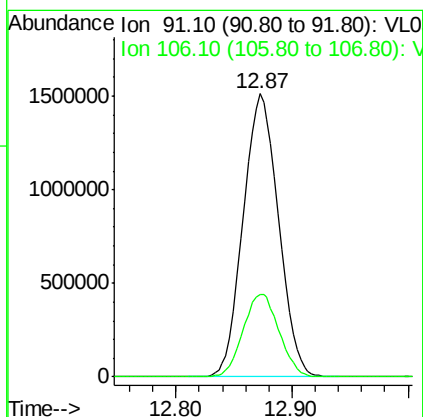
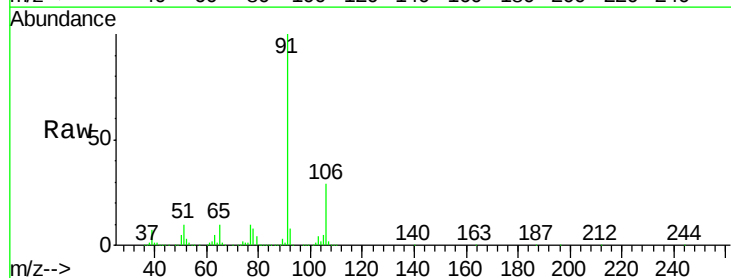
Manual Integrations
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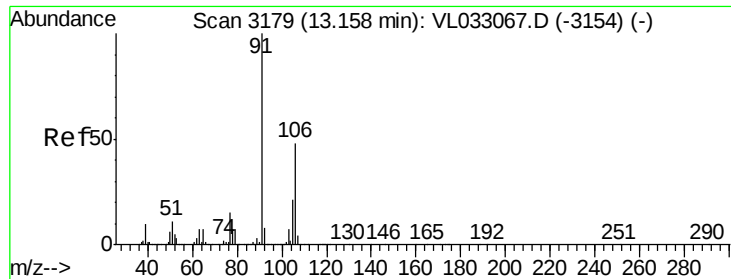
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#58
Ethyl Benzene
Concen: 9.179 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 91 Resp: 3210803
Ion Ratio Lower Upper
91 100
106 29.0 24.3 36.5





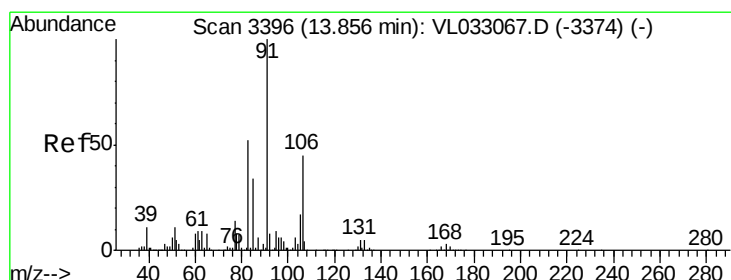
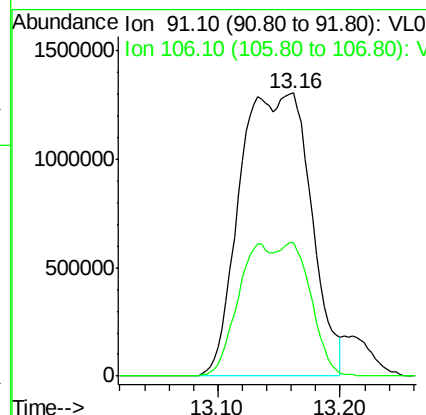
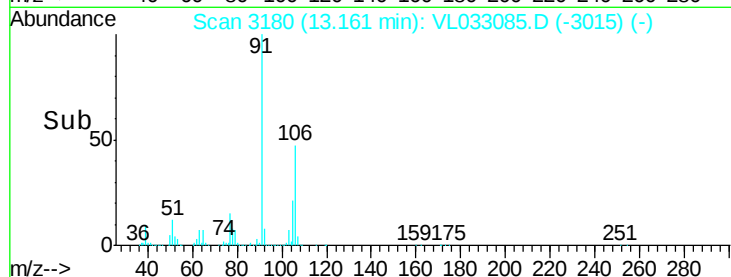
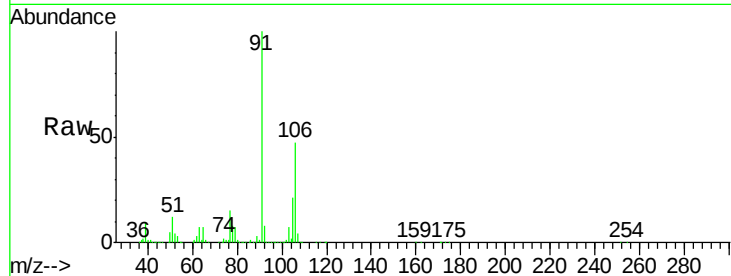
#59
m/p-Xylene
Concen: 16.258 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. 0.03 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5261026
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

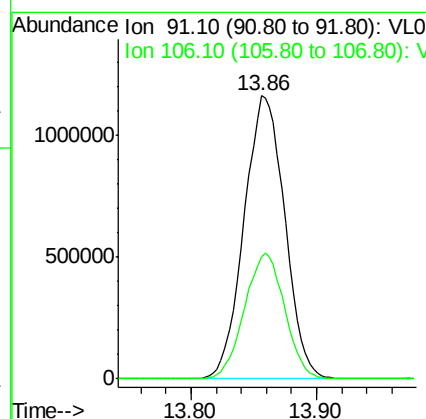
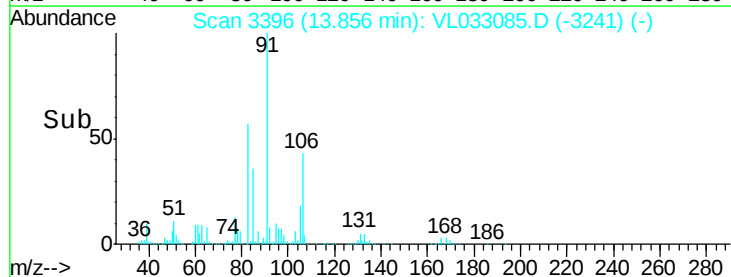
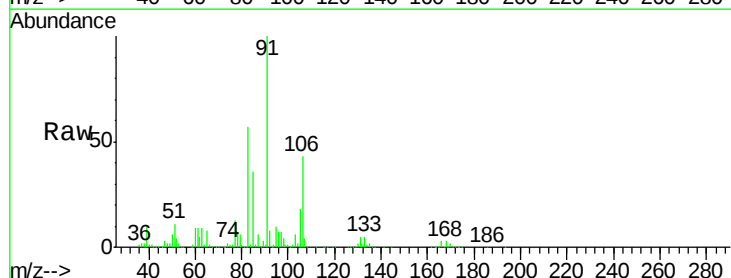
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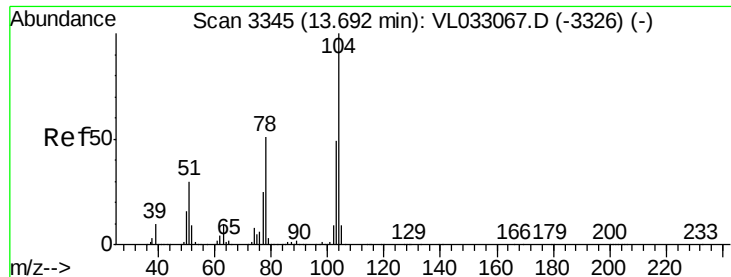
MMDadoda
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#60
o-Xylene
Concen: 8.276 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion: 91 Resp: 2621769
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5





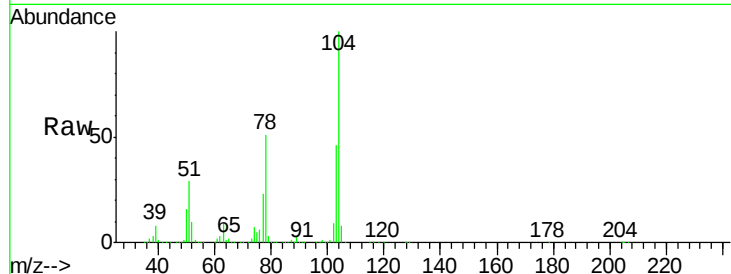
#61
Stvrene
Concen: 8.802 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

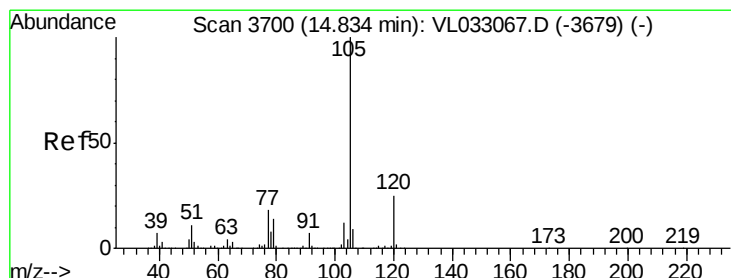
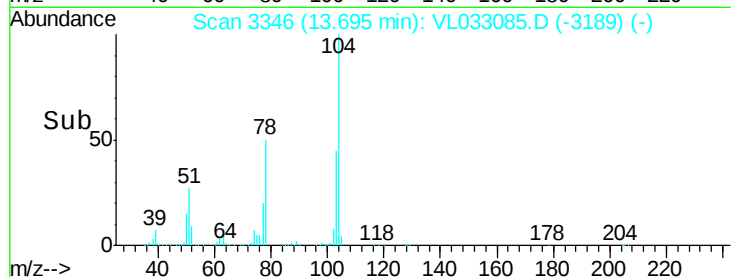
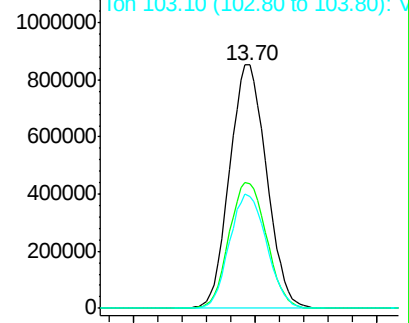
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.6	62.4
103	47.4	38.1	57.1

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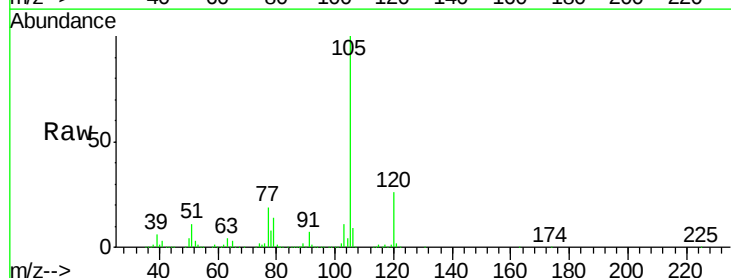


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

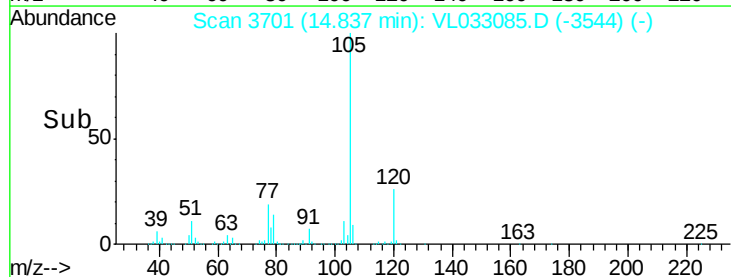
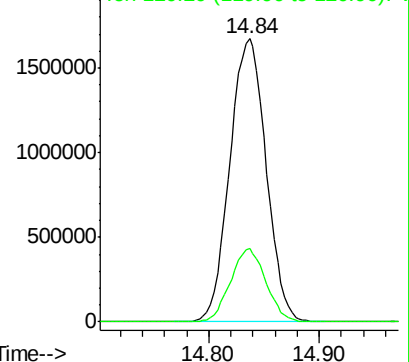


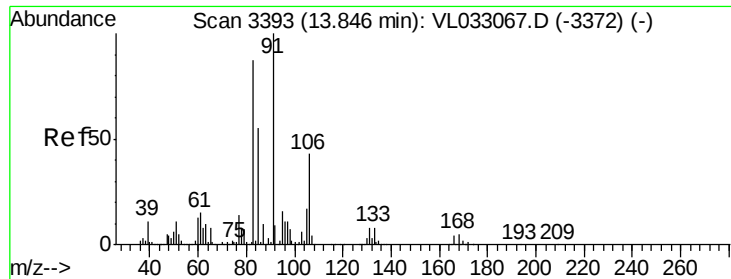
#62
Isopropylbenzene
Concen: 8.480 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.4	30.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





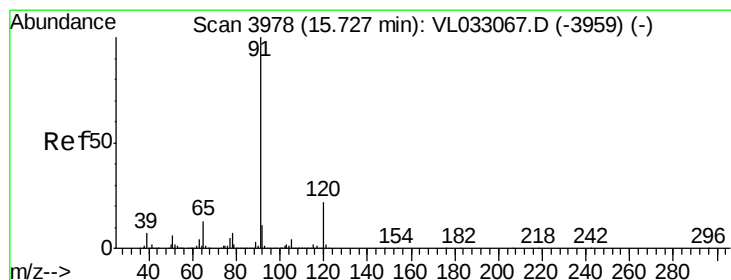
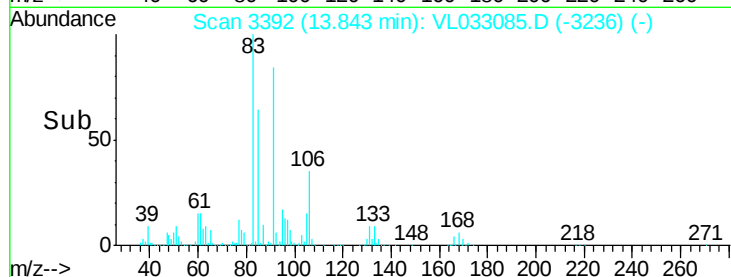
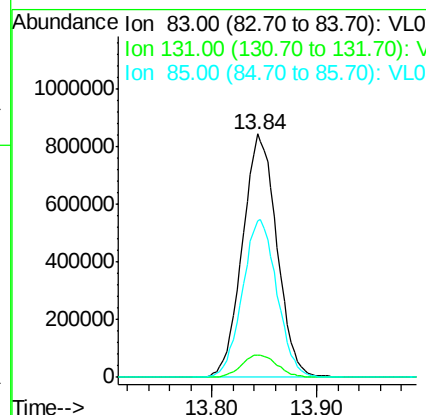
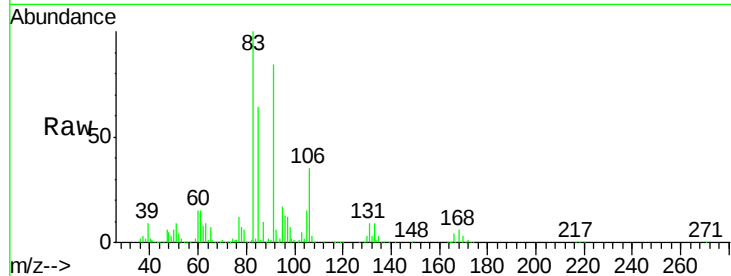
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.105 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1907366
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.4
 85 65.2 32.6 97.8

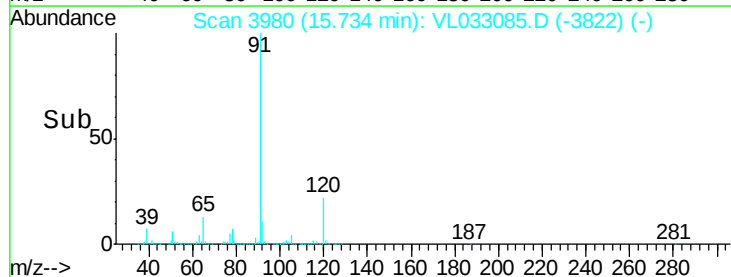
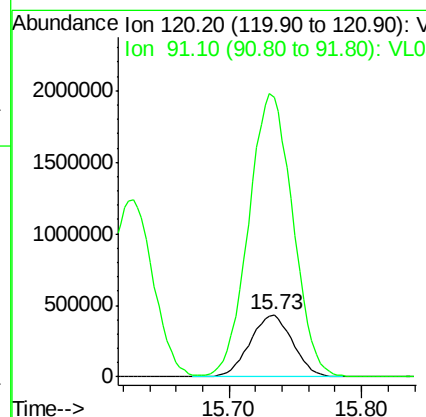
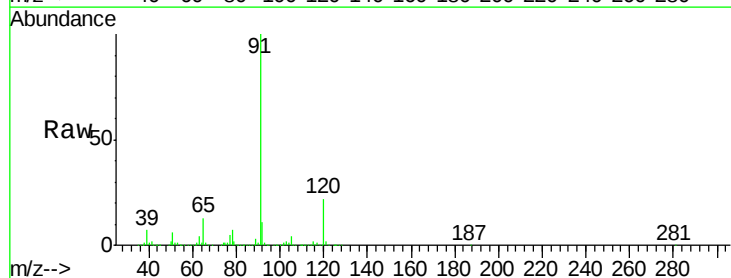
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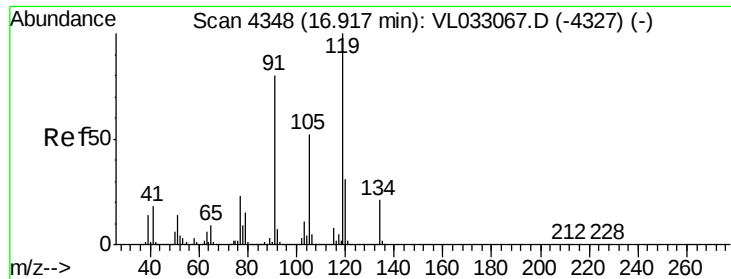
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#64
 n-propylbenzene
 Concen: 8.461 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 120 Resp: 968976
 Ion Ratio Lower Upper
 120 100
 91 472.8 378.7 568.1





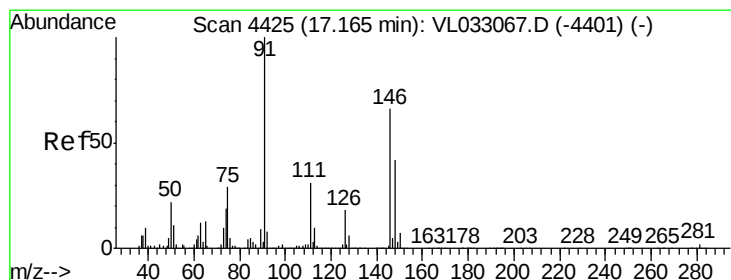
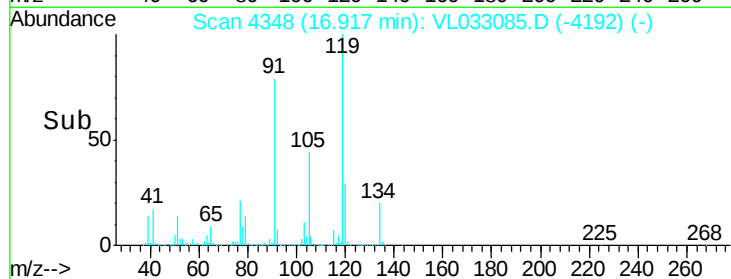
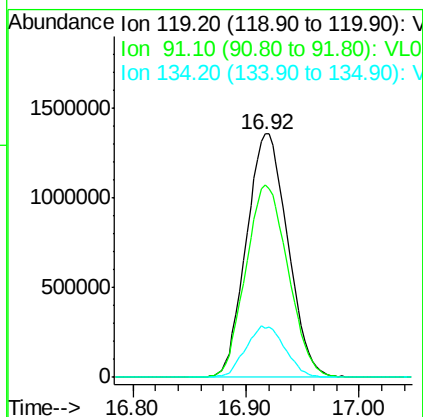
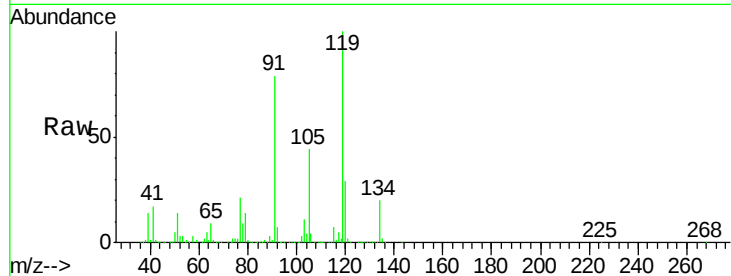
#65
tert-Butylbenzene
Concen: 8.624 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.9	64.6	97.0
134	20.0	15.8	23.8

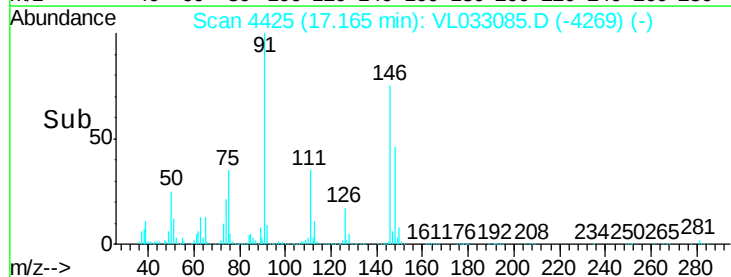
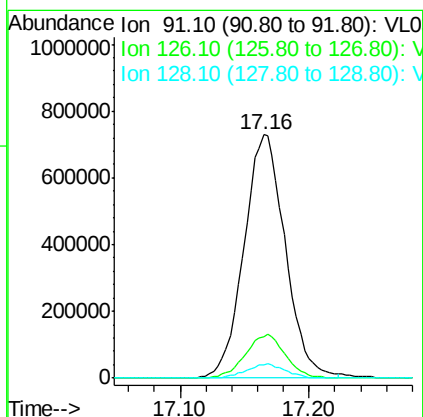
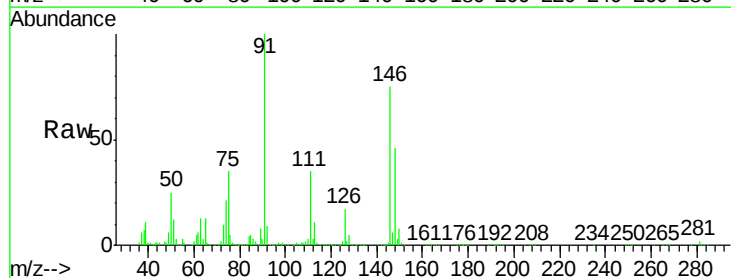
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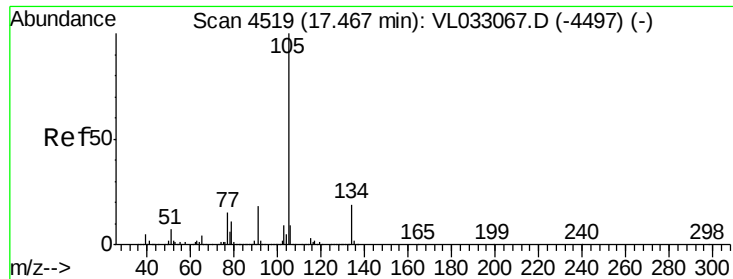
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#66
Benzyl Chloride
Concen: 7.109 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033085.D
Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.4	21.6
128	5.6	4.5	6.7





#67

sec-Butylbenzene

Concen: 8.314 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4751116

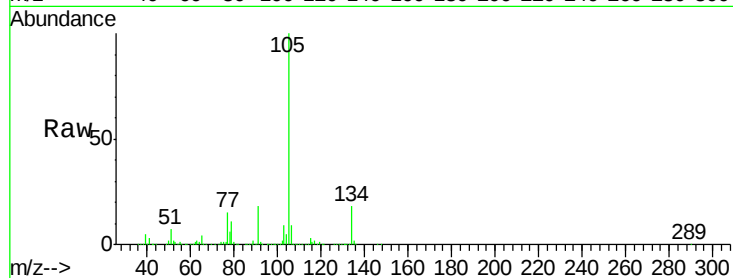
Ion Ratio Lower Upper

105 100

134 18.3 14.6 21.8

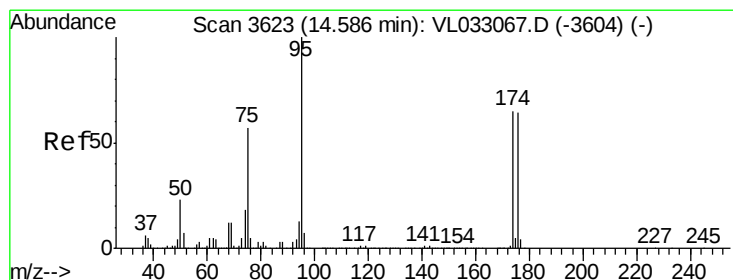
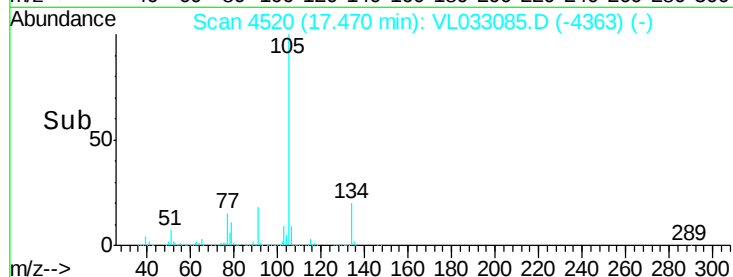
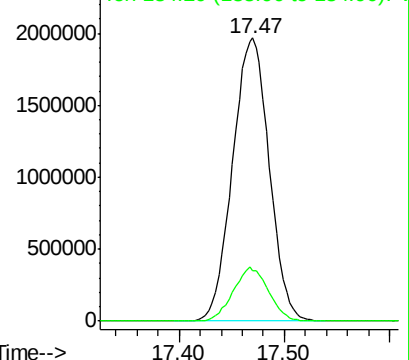
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.647 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

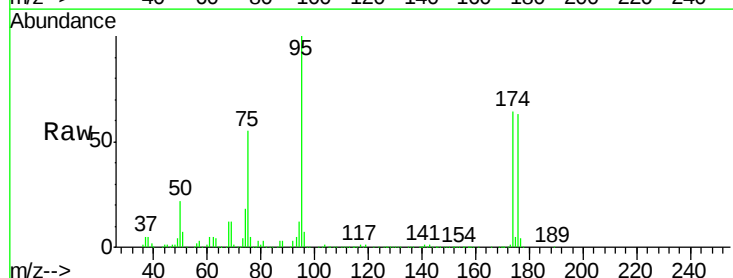
Tgt Ion: 95 Resp: 2048744

Ion Ratio Lower Upper

95 100

174 63.9 51.9 77.9

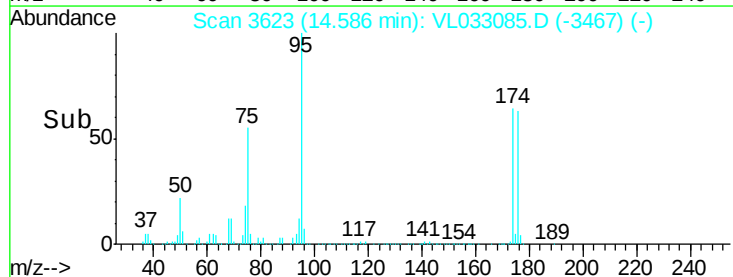
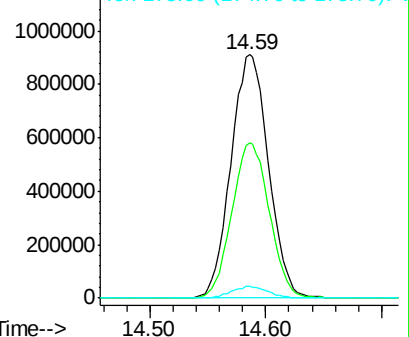
175 4.7 3.9 5.9

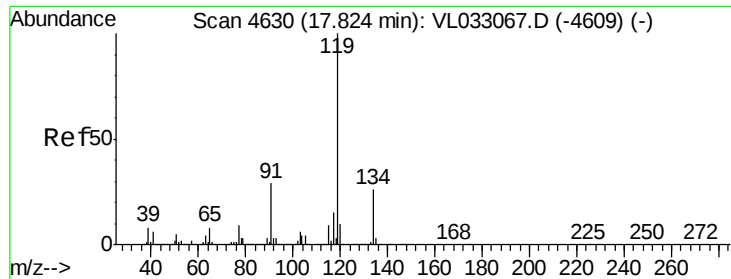


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





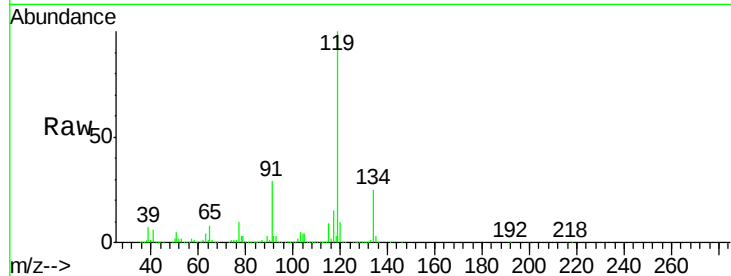
#69
 p-Isopropyltoluene
 Concen: 8.218 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

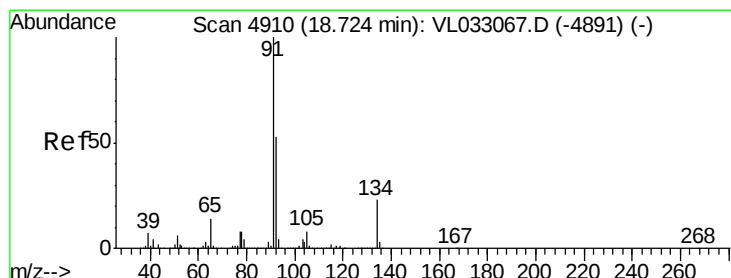
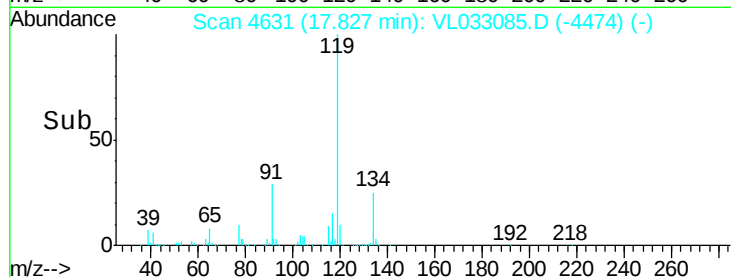
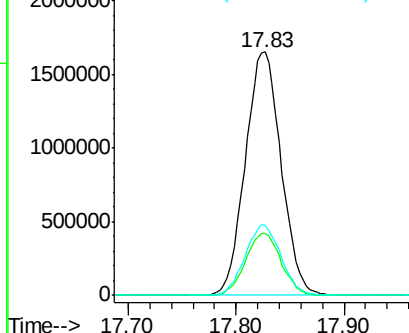
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	29.1	23.0	34.4

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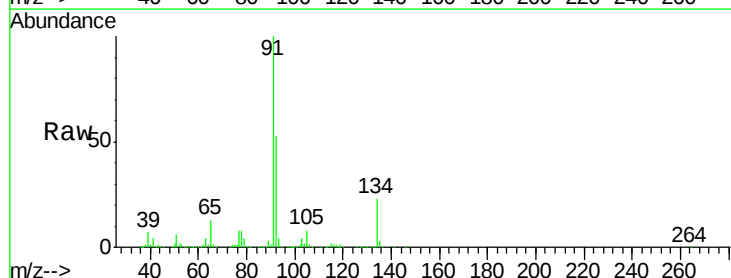


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

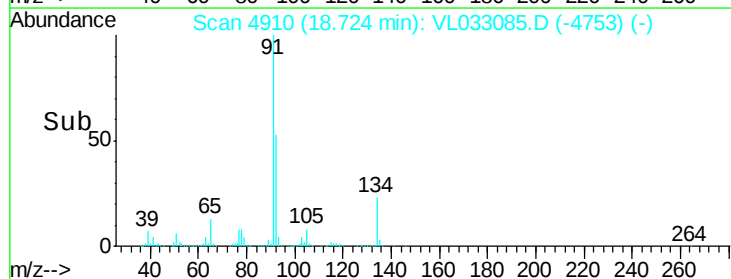
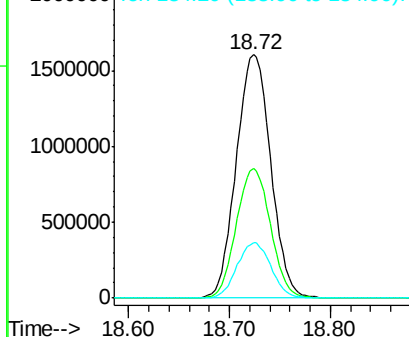


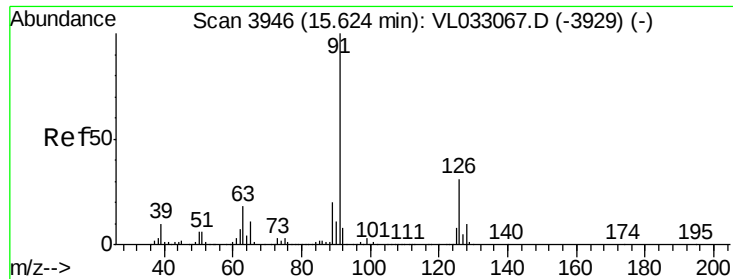
#70
 n-Butylbenzene
 Concen: 8.149 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.4	63.6
134	22.5	18.0	27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





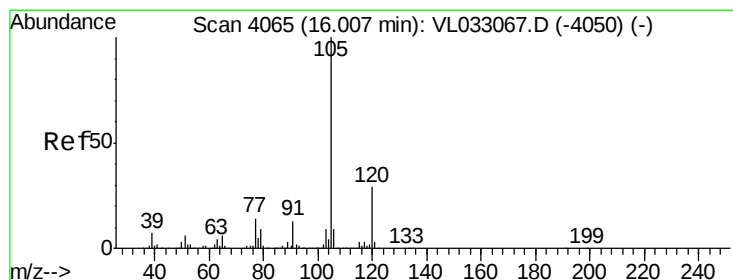
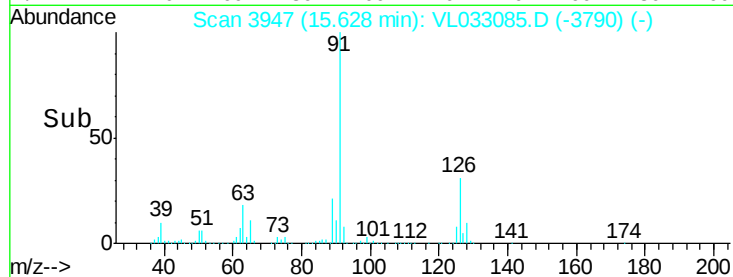
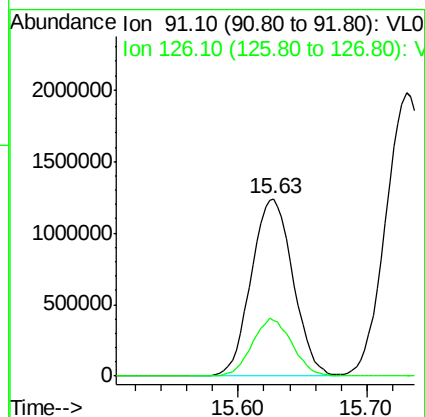
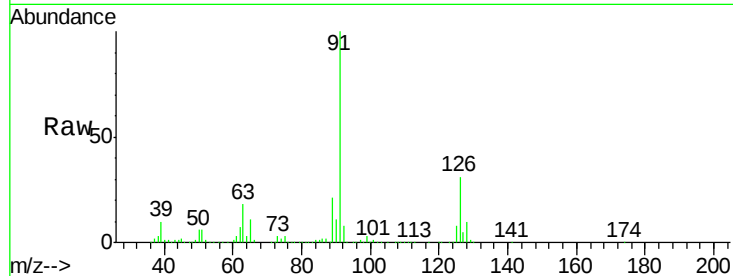
#71
 2-Chlorotoluene
 Concen: 8.765 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 2802512
 Ion Ratio Lower Upper
 91 100
 126 31.0 12.4 49.6

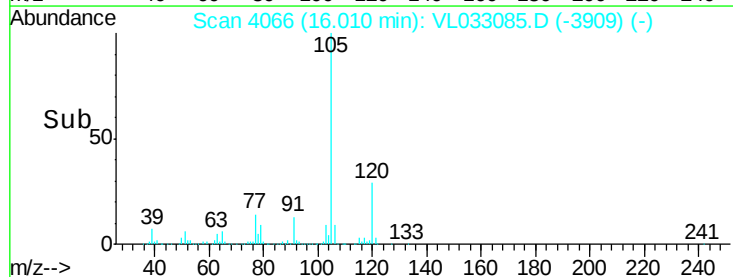
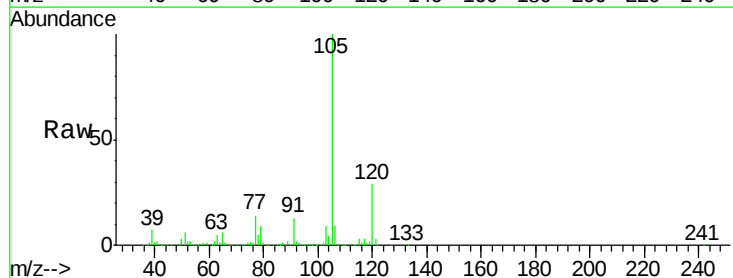
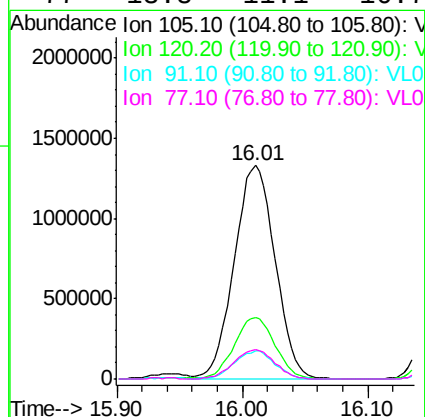
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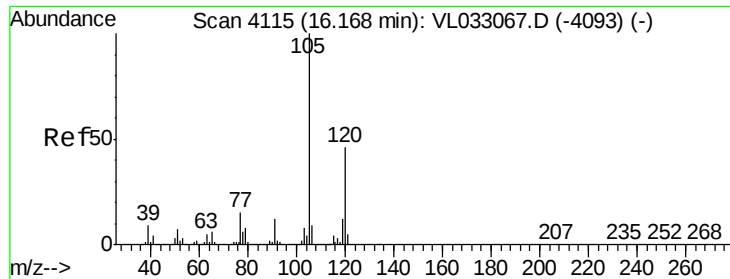
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#72
 4-Ethyltoluene
 Concen: 8.622 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion: 105 Resp: 3001479
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.0 34.6
 91 13.2 10.3 15.5
 77 13.8 11.1 16.7





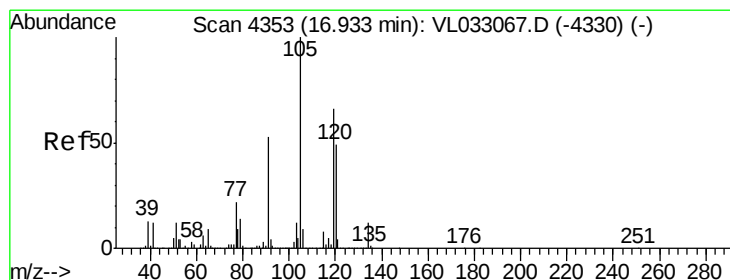
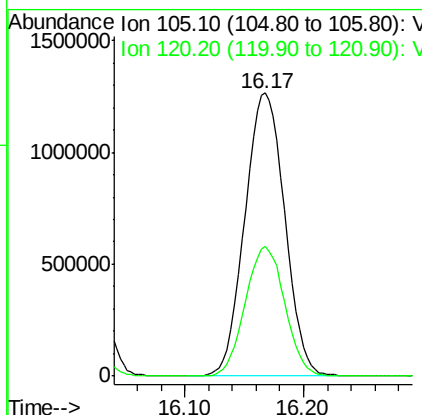
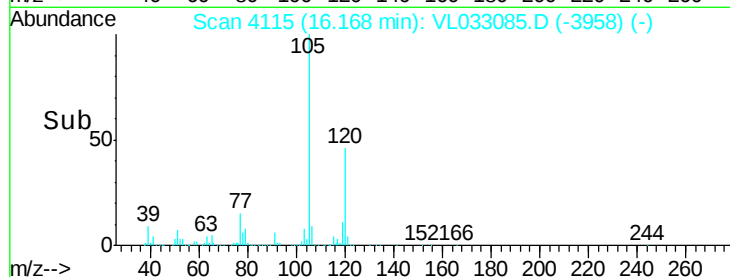
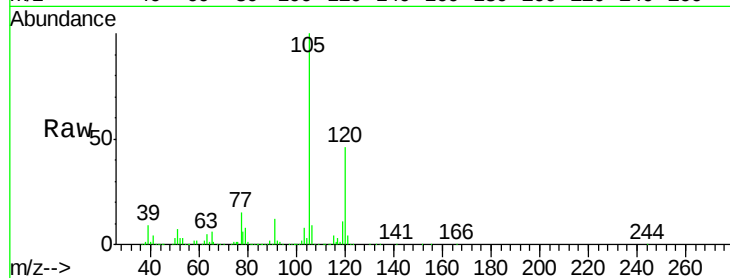
#73
 1,3,5-Trimethylbenzene
 Concen: 8.551 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2937068
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.1 54.1

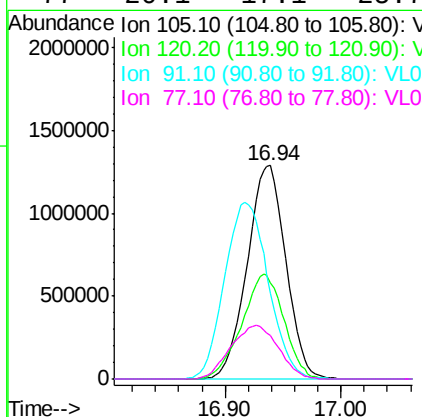
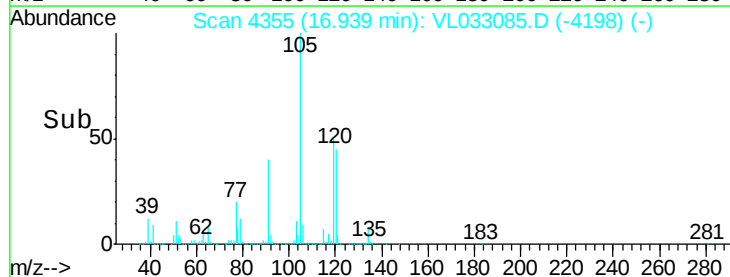
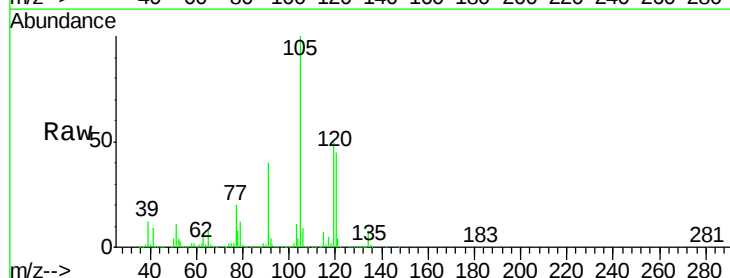
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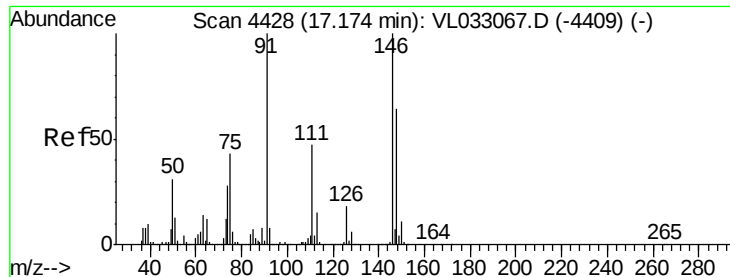
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#74
 1,2,4-Trimethylbenzene
 Concen: 7.841 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Tgt Ion:105 Resp: 2982871
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.0 55.4
 91 39.9 35.4 53.0
 77 20.1 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 7.349 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1645642

Ion Ratio Lower Upper

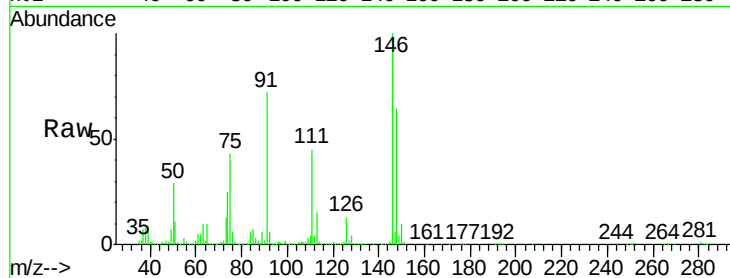
146 100

111 46.9 23.4 70.2

148 64.6 32.1 96.3

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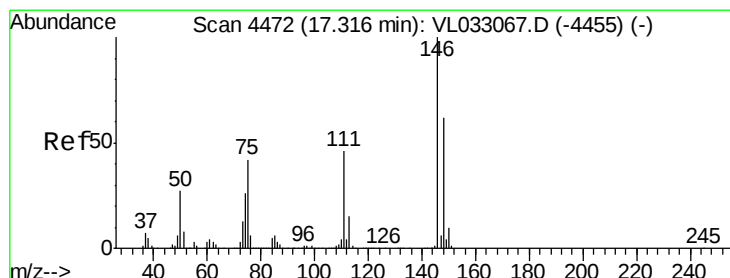
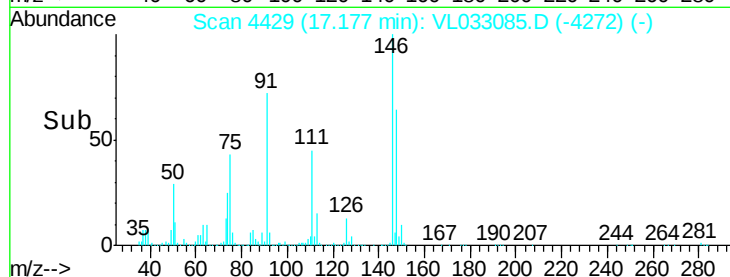
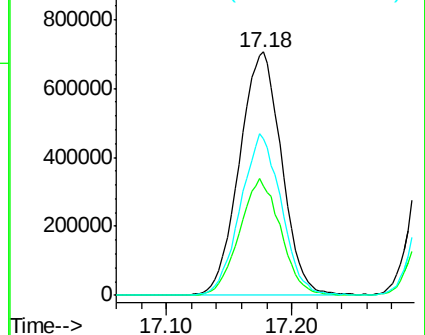
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.770 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

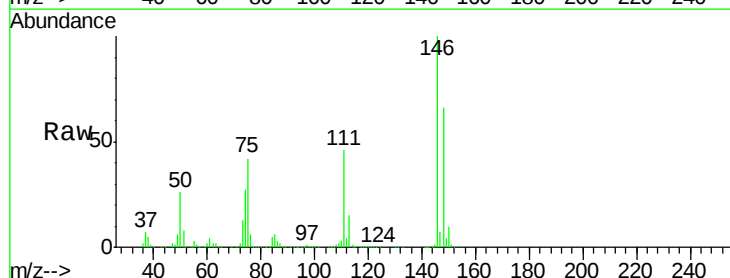
Tgt Ion:146 Resp: 1584937

Ion Ratio Lower Upper

146 100

111 45.6 22.7 68.1

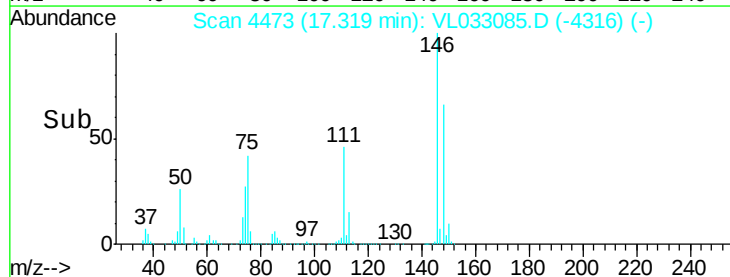
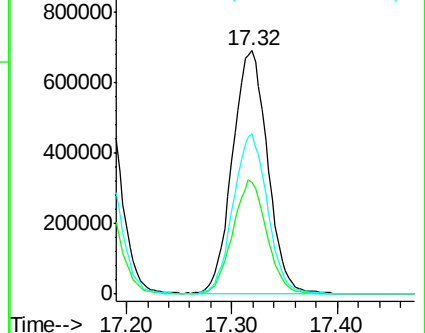
148 64.5 32.4 97.2

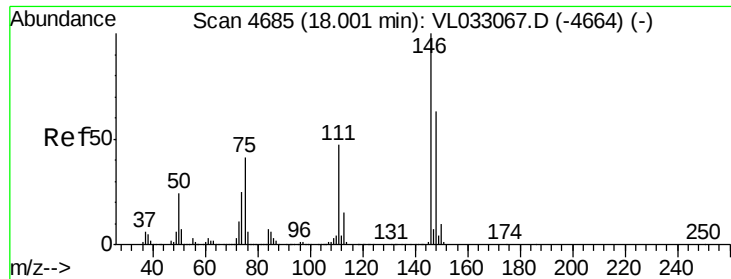


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.977 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1608608

Ion Ratio Lower Upper

146 100

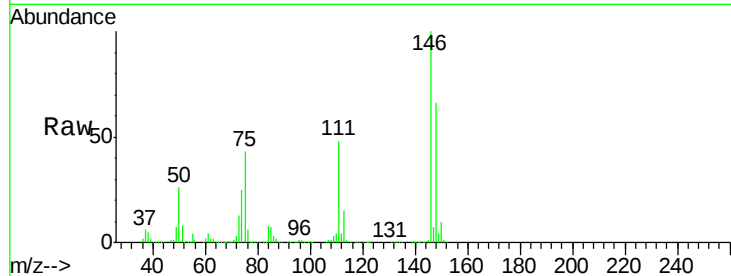
111 49.2 24.4 73.2

148 64.8 32.3 96.9

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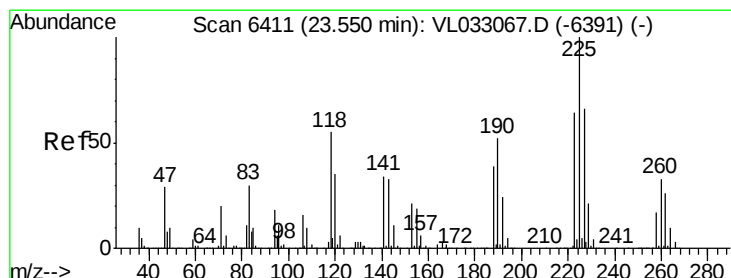
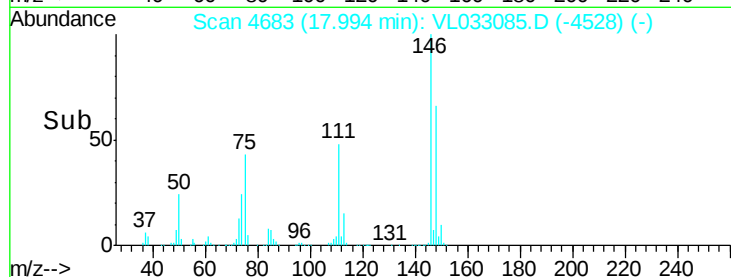
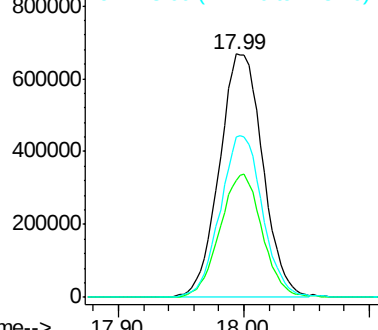
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.273 ppbv

RT: 23.55 min Scan# 6412

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

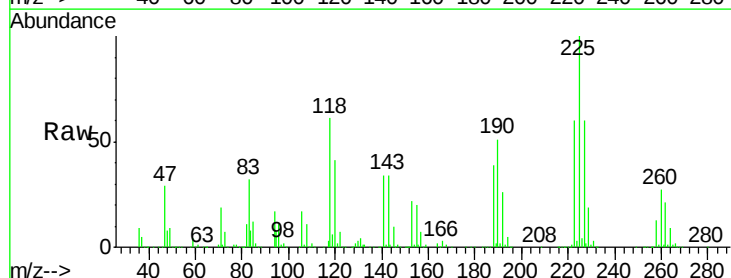
Tgt Ion:225 Resp: 1126465

Ion Ratio Lower Upper

225 100

223 63.6 51.0 76.6

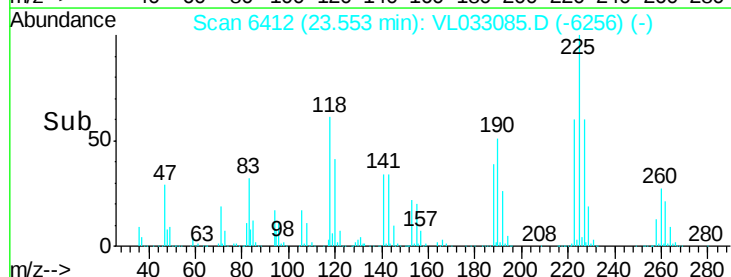
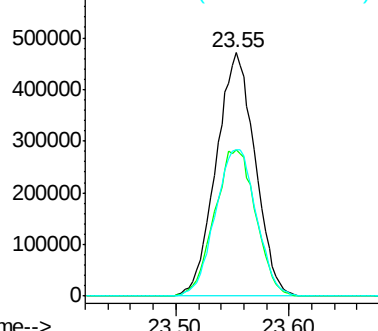
227 63.6 51.0 76.4

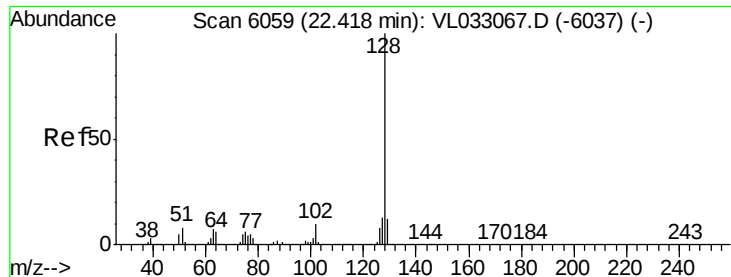


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.002 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. -0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 2243593

Ion Ratio Lower Upper

128 100

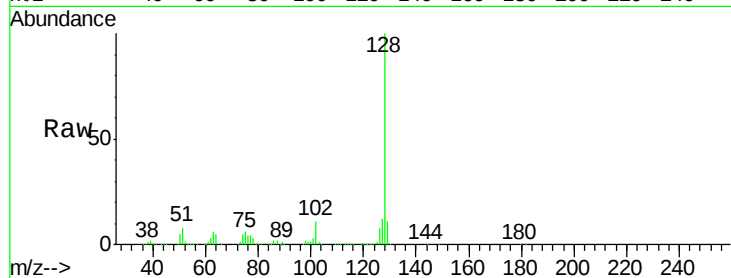
127 12.1 11.0 16.6

129 10.6 9.4 14.0

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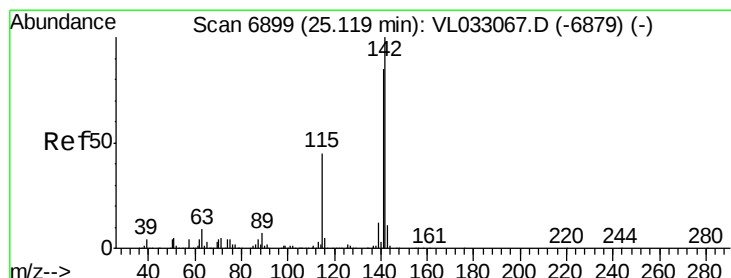
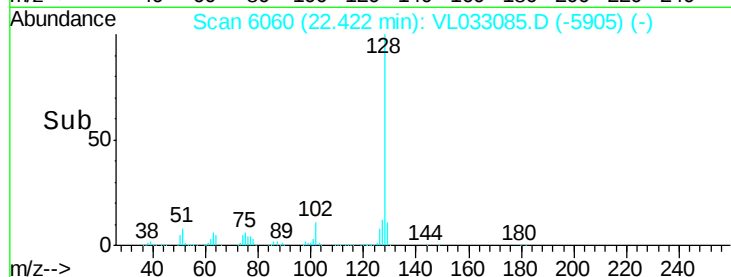
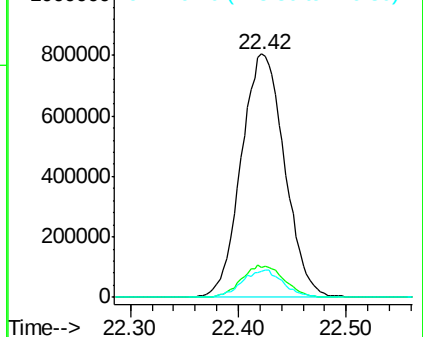
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 5.582 ppbv

RT: 25.12 min Scan# 6900

Delta R.T. 0.00 min

Lab File: VL033085.D

Acq: 5 Jan 2019 2:18

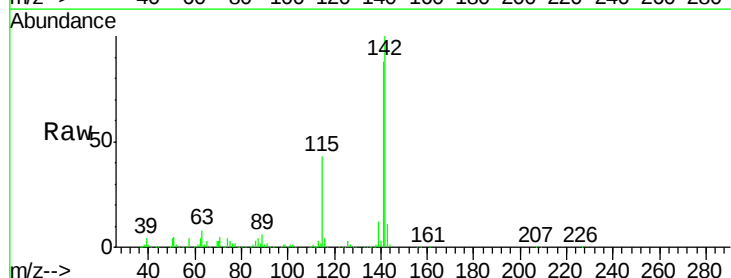
Tgt Ion:142 Resp: 542790

Ion Ratio Lower Upper

142 100

141 84.2 68.6 103.0

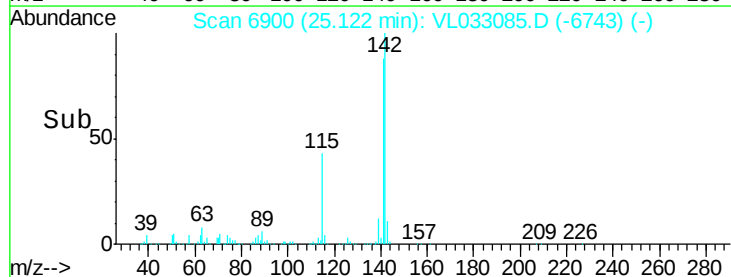
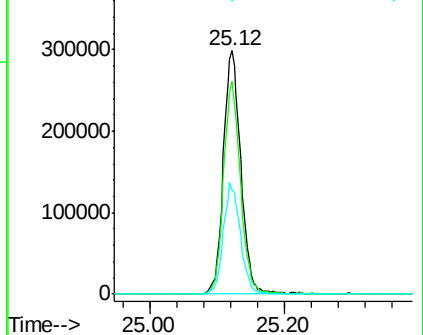
115 44.5 35.6 53.4

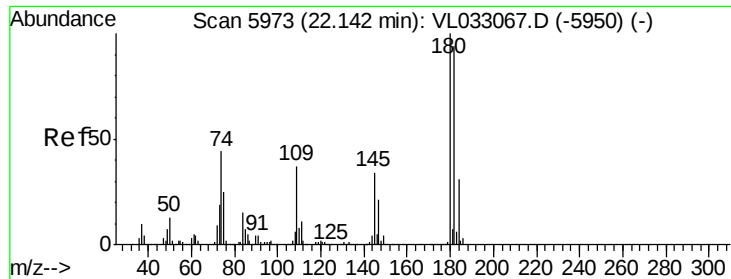


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.129 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033085.D
 Acq: 5 Jan 2019 2:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.4	24.6	37.0

Manual Integrations
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