

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032519\
 Data File : VL033434.D
 Acq On : 25 Mar 2019 10:28
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:22:23 AM

Quant Time: Mar 26 05:32:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	767952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1787912	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1950423m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1504118	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	934707	6.921	ppbv 100
3) Chlorodifluoromethane	3.01	51	817070	9.270	ppbv 98
4) Chloromethane	3.17	50	441972	9.260	ppbv 100
5) Vinyl Chloride	3.29	62	437556	8.886	ppbv 100
6) Bromomethane	3.51	94	277676	9.487	ppbv 94
7) Chloroethane	3.60	64	163186	9.484	ppbv 94
8) Dichlorotetrafluoroethane	3.22	85	1090506	9.485	ppbv 99
9) Propene	3.03	41	356836	9.069	ppbv 98
10) Heptane	8.25	43	942066	9.653	ppbv 100
11) Trichlorofluoromethane	4.00	101	1270588	9.448	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	851663	9.545	ppbv 98
13) Ethanol	3.65	45	96905m	5.166	ppbv
14) Bromoethene	3.79	108	359041	9.654	ppbv 100
15) Acetone	3.90	43	785953	6.584	ppbv 100
16) 1,3-Butadiene	3.36	39	399881	10.313	ppbv 91
17) tert-Butyl alcohol	4.35	59	164534	9.794	ppbv 99
18) 1,1-Dichloroethene	4.35	96	378757	9.284	ppbv 99
19) Isopropyl Alcohol	4.02	45	554914	9.772	ppbv 100
20) Methylene Chloride	4.41	84	323046	8.298	ppbv 96
21) Allyl Chloride	4.48	41	578717	9.994	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	391018	9.890	ppbv 99
23) Vinyl Acetate	5.15	43	1326885	9.606	ppbv 99
24) 1,1-Dichloroethane	5.09	63	935569	9.378	ppbv 99
25) Ethyl Acetate	5.77	43	1607304	9.262	ppbv 100
26) Hexane	5.78	57	706345	9.105	ppbv 99
27) Carbon Disulfide	4.62	76	949547	10.632	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1106666	9.604	ppbv 100
29) Chloroform	5.85	83	1210057	9.526	ppbv 99
30) Cyclohexane	7.25	84	601442	9.670	ppbv 98
31) cis-1,2-Dichloroethene	5.64	61	754136	9.722	ppbv 99
32) 1,1,1-Trichloroethane	6.62	97	1222008	9.798	ppbv 99
34) 2-Butanone	5.33	43	1052493	8.964	ppbv 99
35) Carbon Tetrachloride	7.13	117	1290570	10.239	ppbv 98
36) Benzene	7.00	78	1474672	9.216	ppbv 98
37) 1,2-Dichloroethane	6.41	62	952730	9.417	ppbv 100
38) Trichloroethene	7.96	130	593102	9.795	ppbv 96
39) 1,2-Dichloropropane	7.74	63	569880	9.510	ppbv 98
40) 1,4-Dioxane	7.95	88	206929	9.807	ppbv 88
41) Tetrahydrofuran	6.15	42	602018	9.608	ppbv 98
42) Bromodichloromethane	7.92	83	1361471	10.037	ppbv 98
43) Methyl Methacrylate	8.14	69	620815	9.965	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	2515472	9.492	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	872485	11.343	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	959743	10.596	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	639354	9.657	ppbv	96
48) Dibromochloromethane	10.45	129	1185499	10.677	ppbv	100
49) Bromoform	13.21	173	1442626	13.697	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1574375	9.493	ppbv	99
51) 2-Hexanone	10.27	43	1248866	9.760	ppbv #	100
52) Tetrachloroethene	11.37	164	595002	8.926	ppbv	97
53) Toluene	9.95	91	1825084	10.038	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1046481	9.350	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	838100	9.606	ppbv	97
57) Chlorobenzene	12.30	112	1393726	9.022	ppbv	98
58) Ethyl Benzene	12.87	91	2589305	9.384	ppbv	99
59) m/p-Xylene	13.15	91	4889670m	20.621	ppbv	
60) o-Xylene	13.85	91	2176695	9.410	ppbv	99
61) Styrene	13.69	104	1619848	10.001	ppbv	99
62) Isopropylbenzene	14.83	105	3096361	9.628	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1510203	9.031	ppbv	99
64) n-propylbenzene	15.73	120	803759	9.877	ppbv	99
65) tert-Butylbenzene	16.91	119	2722994	9.405	ppbv	99
66) Benzyl Chloride	17.16	91	1562878	13.062	ppbv	100
67) sec-Butylbenzene	17.46	105	3879849	9.457	ppbv	99
69) p-Isopropyltoluene	17.82	119	3257720	9.719	ppbv	100
70) n-Butylbenzene	18.72	91	3432038	9.602	ppbv	100
71) 2-Chlorotoluene	15.62	91	2423641	9.681	ppbv	100
72) 4-Ethyltoluene	16.00	105	2542648	9.679	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2404734	9.397	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2508100	9.254	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1477382	9.248	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1499445	9.695	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1469874	9.715	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	808633	8.915	ppbv	99
79) Naphthalene	22.42	128	2526679	9.674	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	1114199	8.996	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1284456	9.644	ppbv	99

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

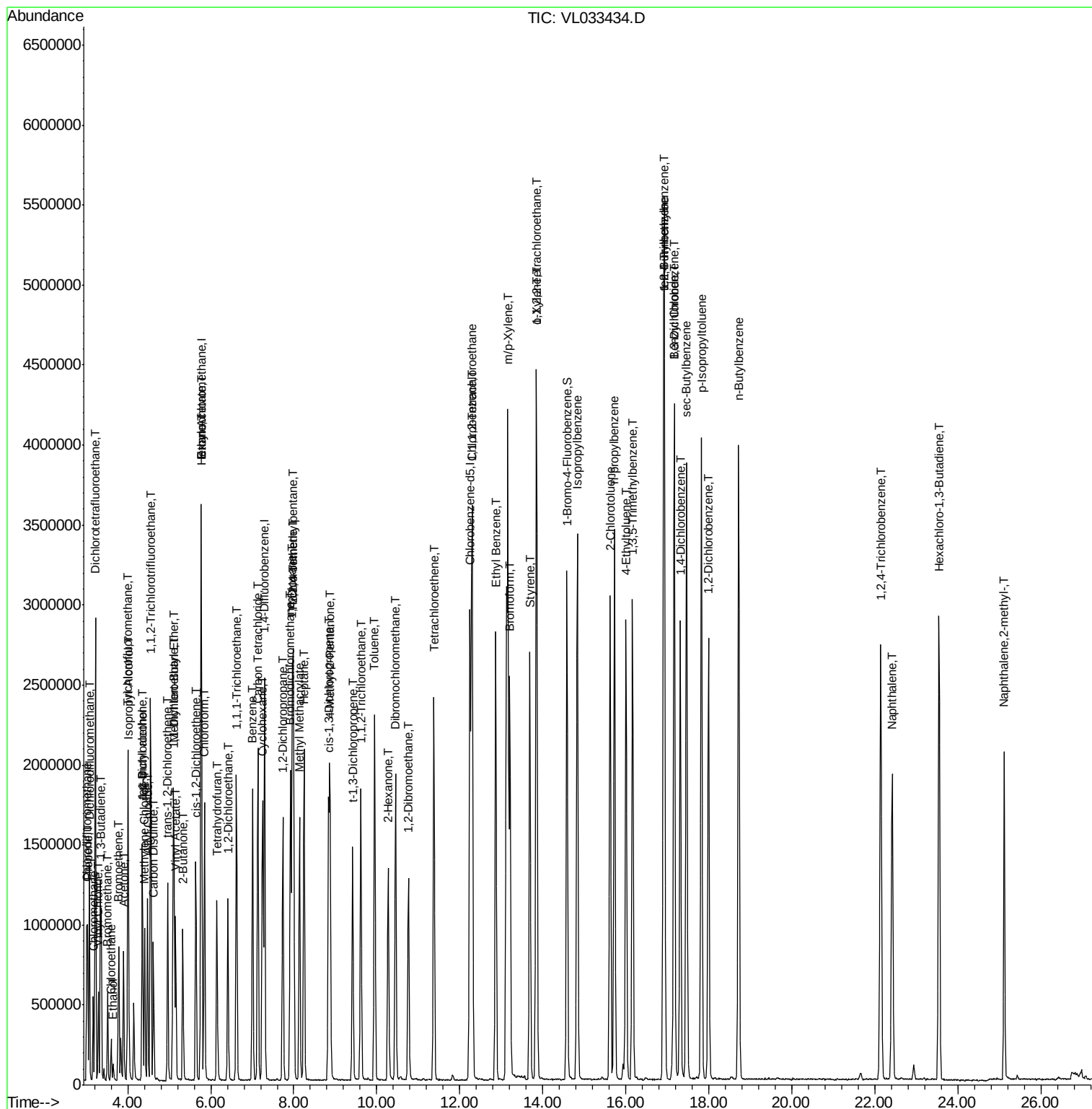
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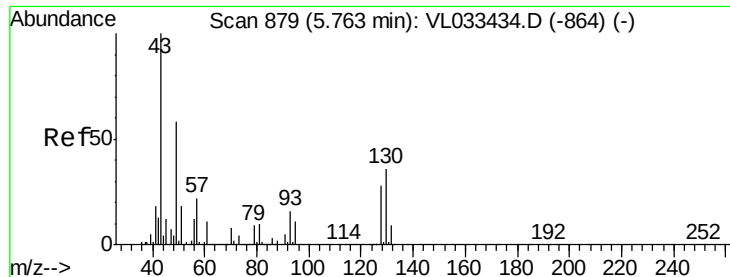
Instrument :
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QLast Update : Fri Mar 15 14:52:14 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 767952

Ion Ratio Lower Upper

49 100

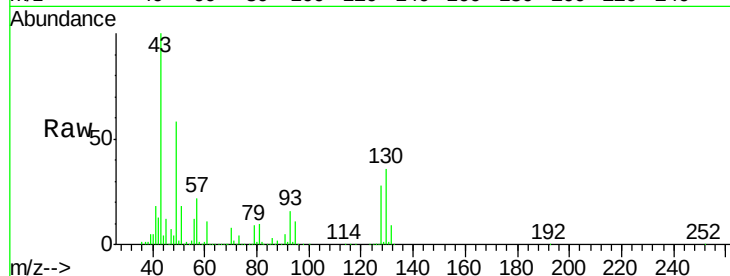
128 48.0 23.5 70.6

130 62.4 30.1 90.3

Manual Integrations
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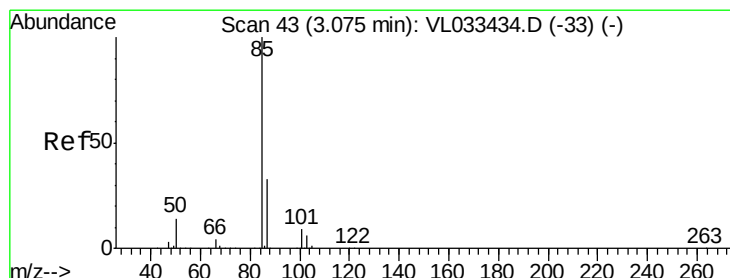
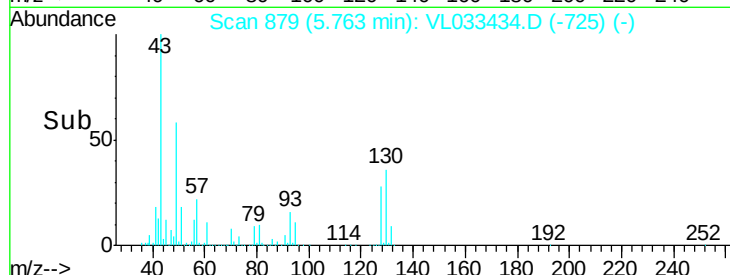
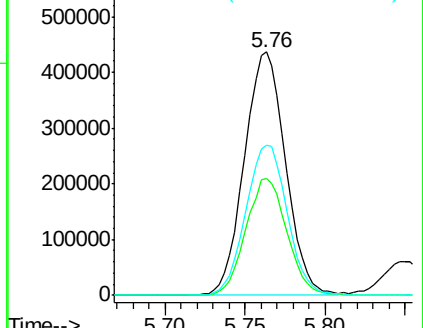
4/1/2019 1:22:23 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.921 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033434.D

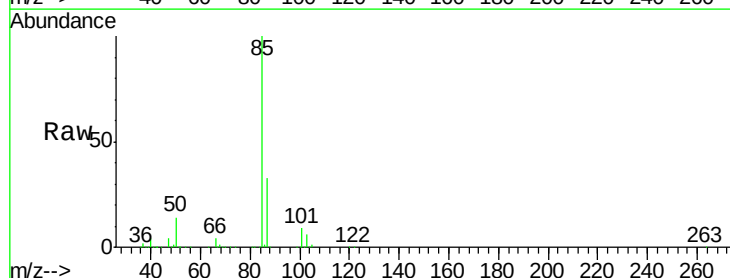
Acq: 25 Mar 2019 10:28

Tgt Ion: 85 Resp: 934707

Ion Ratio Lower Upper

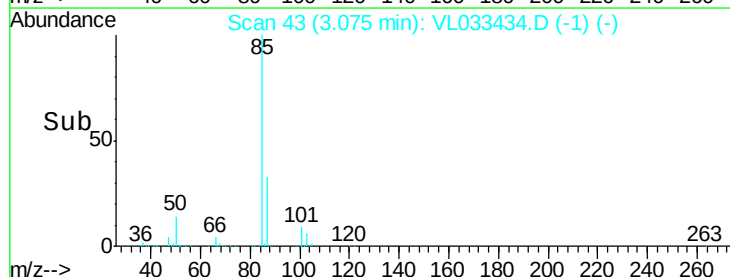
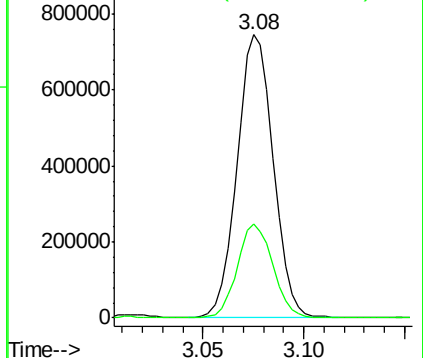
85 100

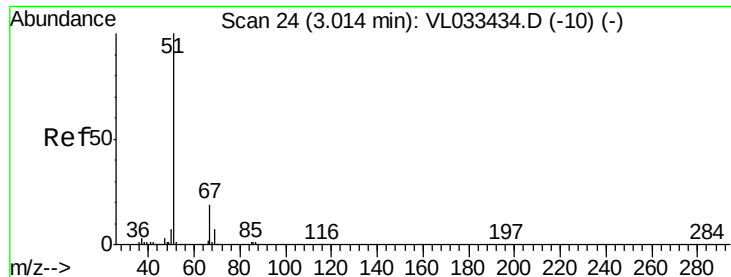
87 33.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.270 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 817070

Ion Ratio Lower Upper

51 100

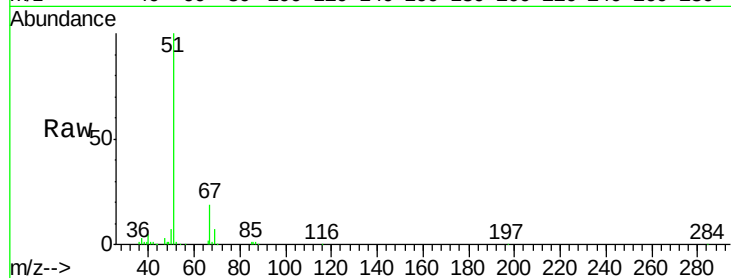
67 19.6 14.9 22.3

Manual Integrations

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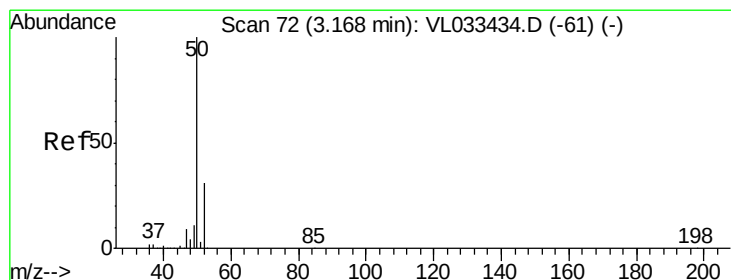
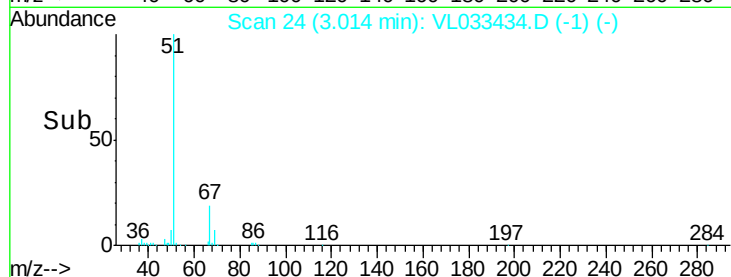
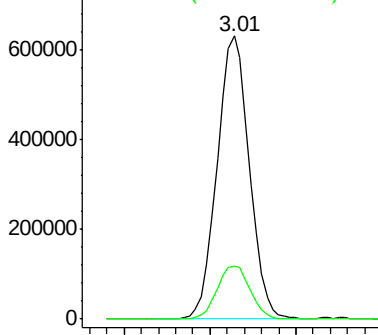
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.260 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL033434.D

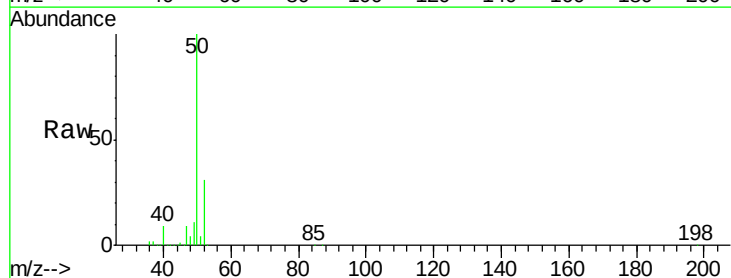
Acq: 25 Mar 2019 10:28

Tgt Ion: 50 Resp: 441972

Ion Ratio Lower Upper

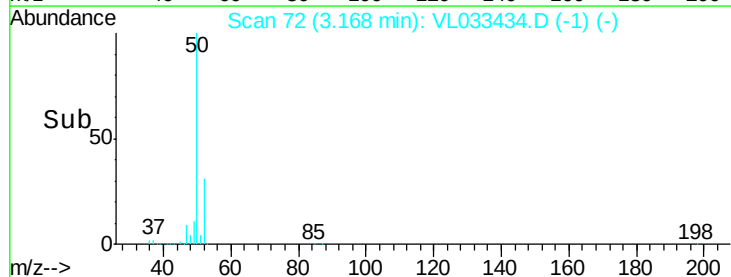
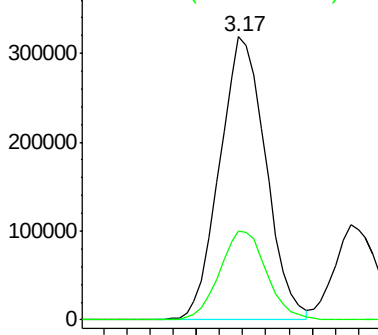
50 100

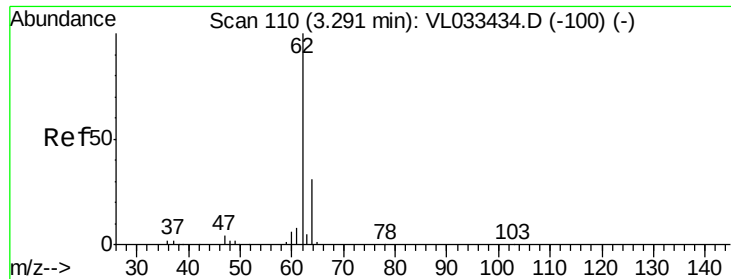
52 31.3 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.886 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 437556

Ion Ratio Lower Upper

62 100

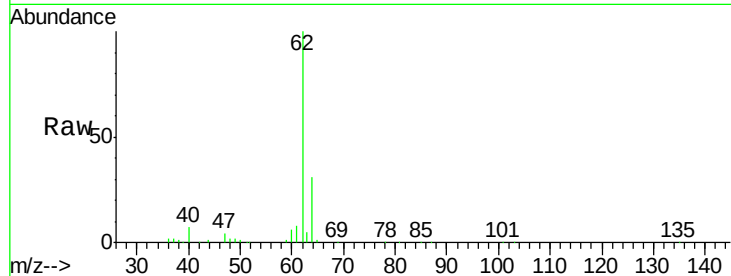
64 31.1 25.0 37.6

Manual Integrations

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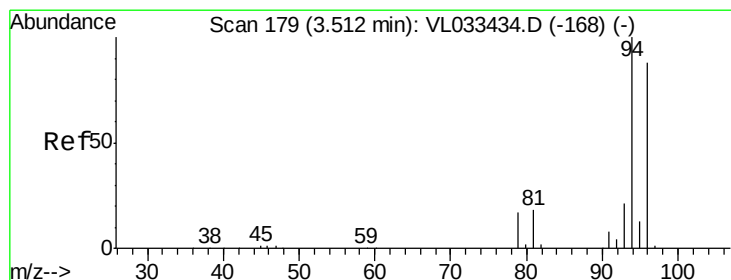
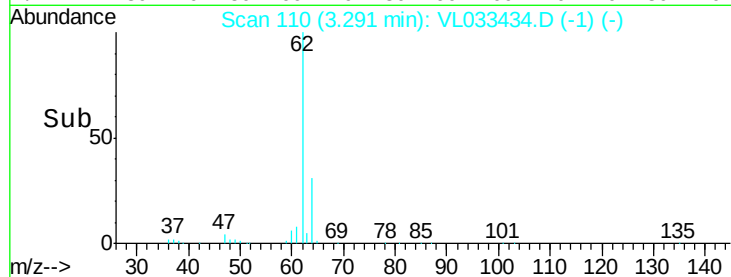
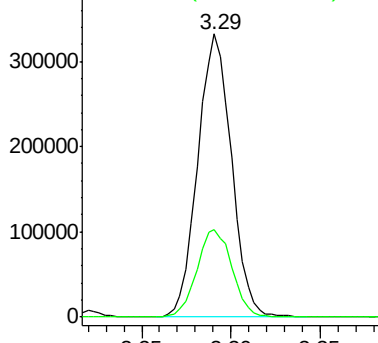
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.487 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033434.D

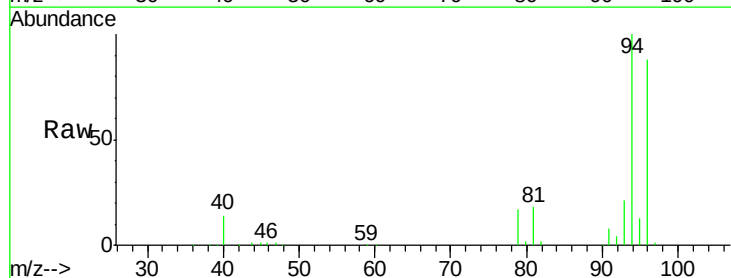
Acq: 25 Mar 2019 10:28

Tgt Ion: 94 Resp: 277676

Ion Ratio Lower Upper

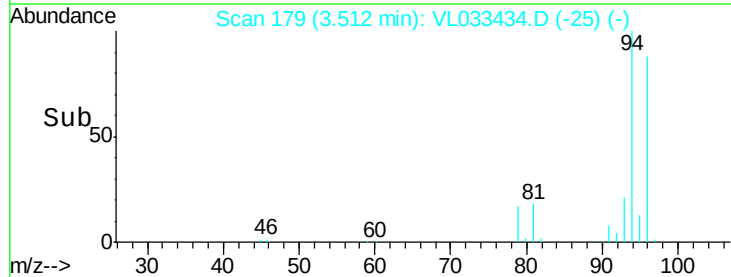
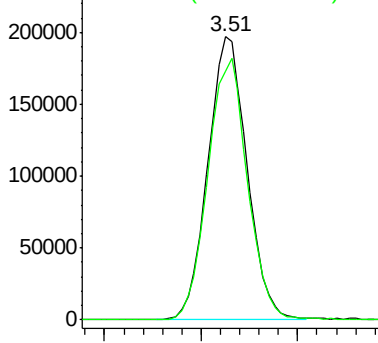
94 100

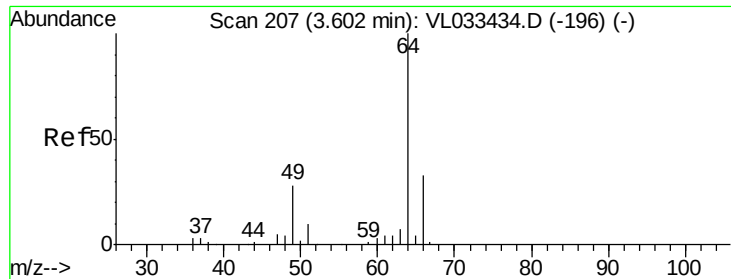
96 87.7 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.484 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

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ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 163186

Ion Ratio Lower Upper

64 100

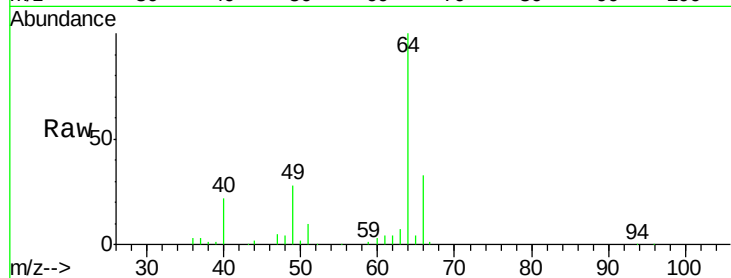
66 33.4 24.0 36.0

Manual Integrations

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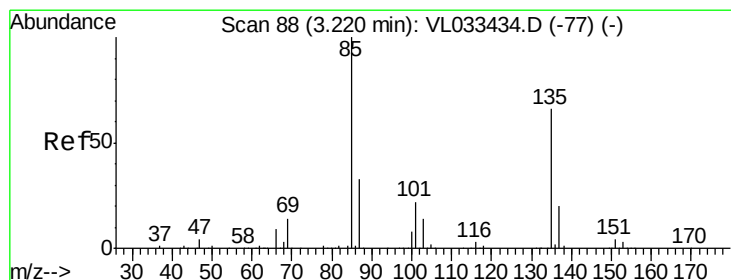
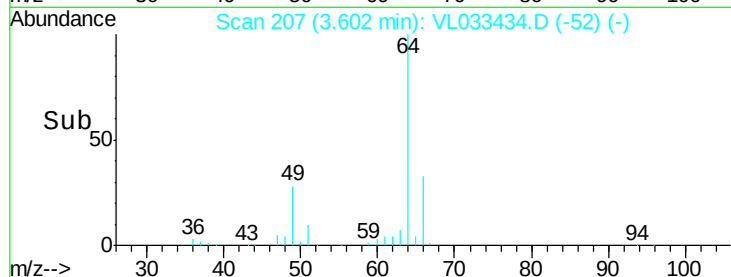
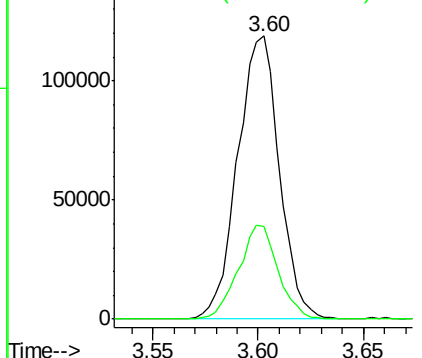
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.485 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033434.D

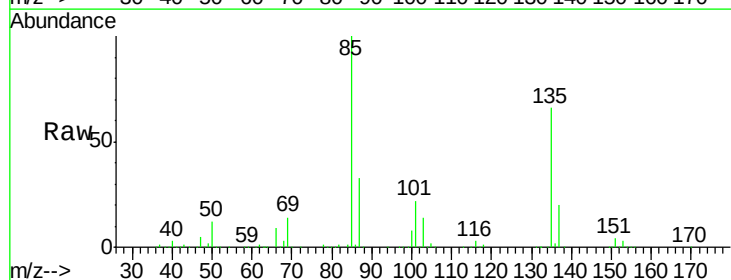
Acq: 25 Mar 2019 10:28

Tgt Ion: 85 Resp: 1090506

Ion Ratio Lower Upper

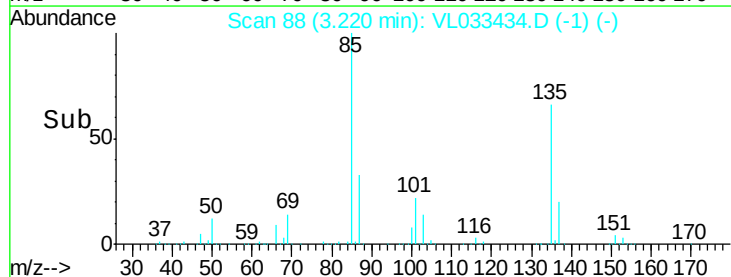
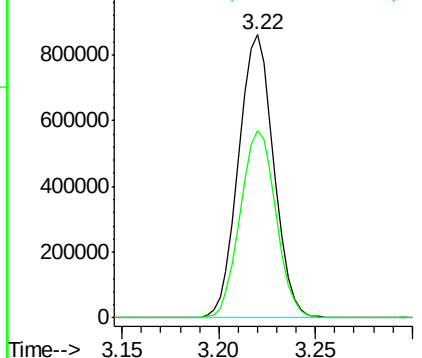
85 100

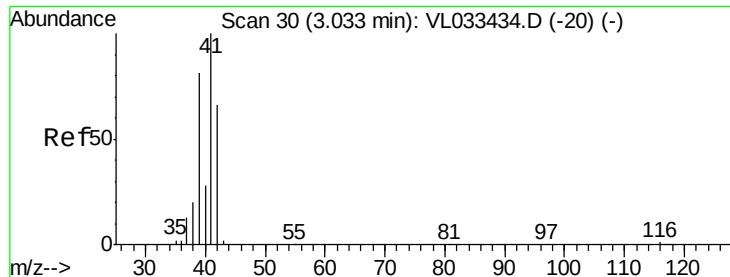
135 67.5 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.069 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

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Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 356836

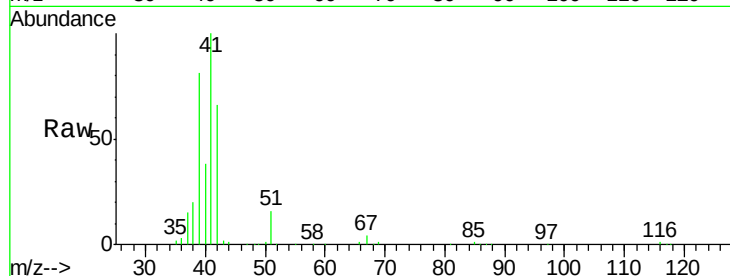
Ion Ratio Lower Upper

41 100

42 67.4 55.2 82.8

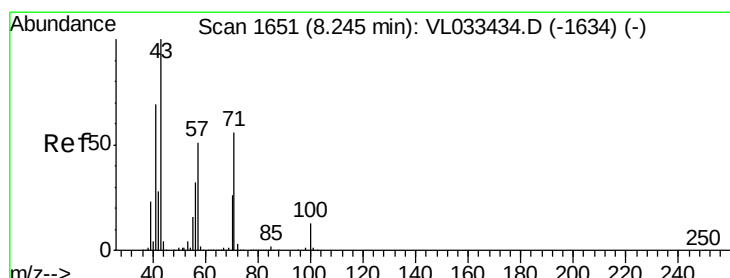
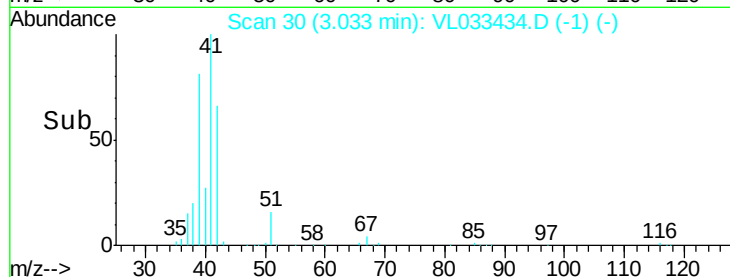
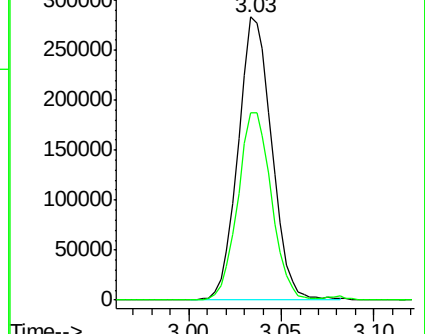
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.653 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

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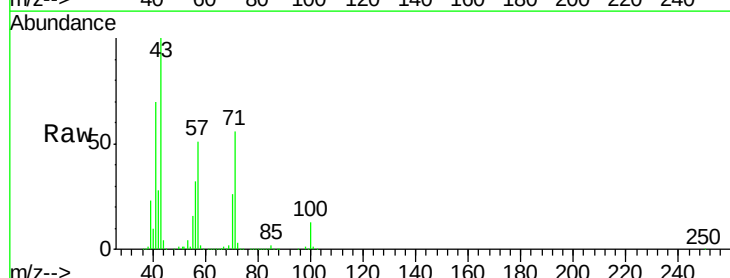
Acq: 25 Mar 2019 10:28

Tgt Ion: 43 Resp: 942066

Ion Ratio Lower Upper

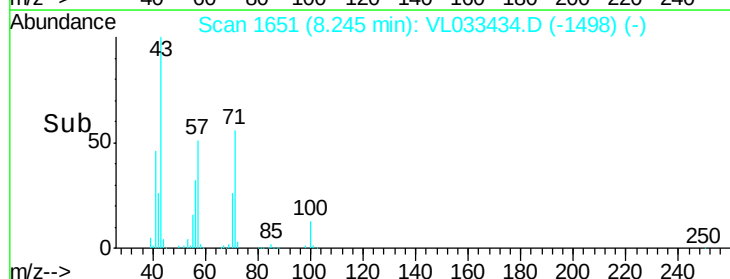
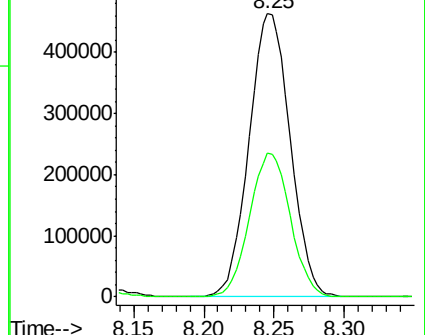
43 100

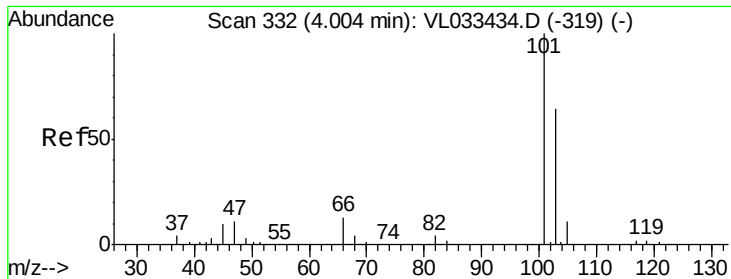
57 50.7 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





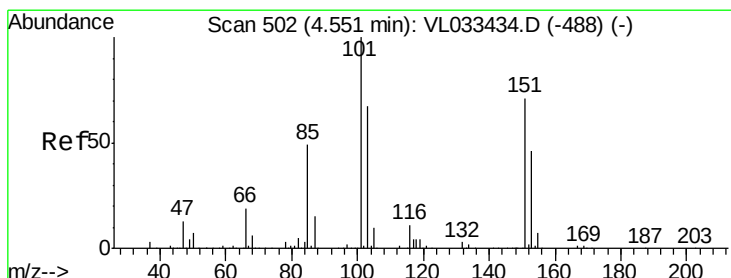
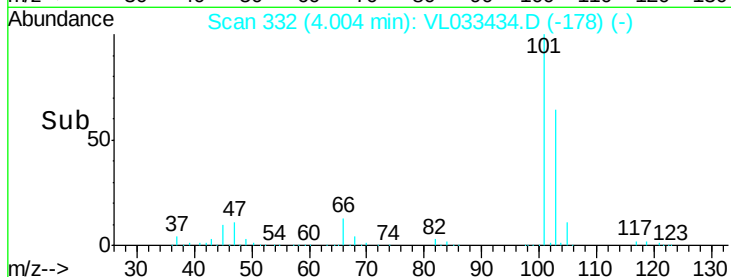
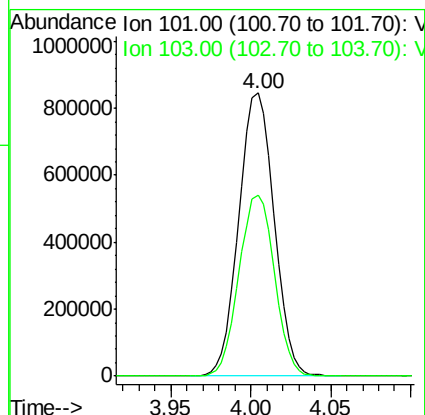
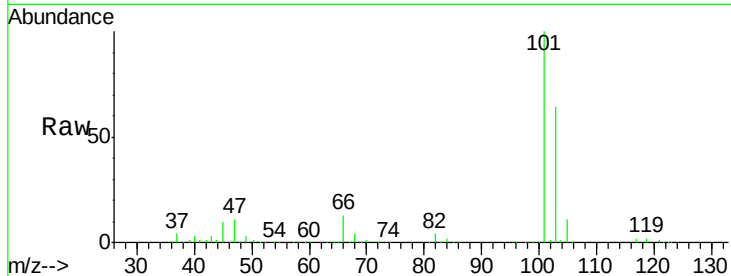
#11
 Trichlorofluoromethane
 Concen: 9.448 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1270588
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.9 79.3

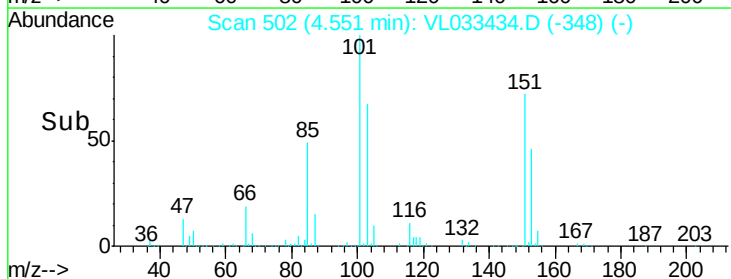
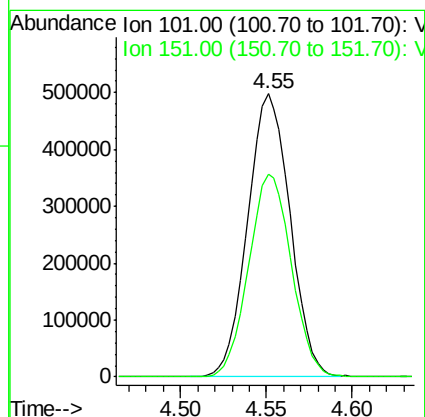
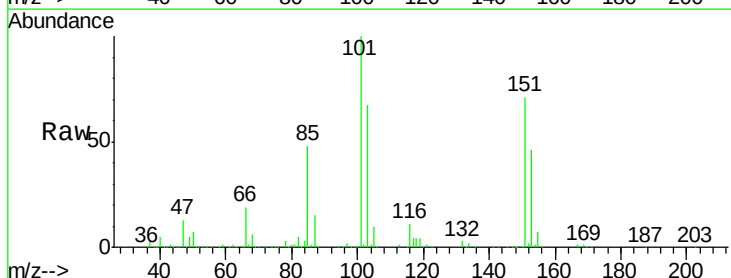
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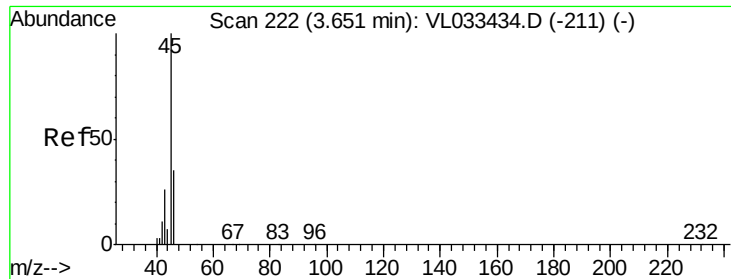
MMDadoda
 4/1/2019 1:22:23 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.545 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion:101 Resp: 851663
 Ion Ratio Lower Upper
 101 100
 151 72.1 56.3 84.5





#13

Ethanol

Concen: 5.166 ppbv m

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 96905

Ion Ratio Lower Upper

45 100

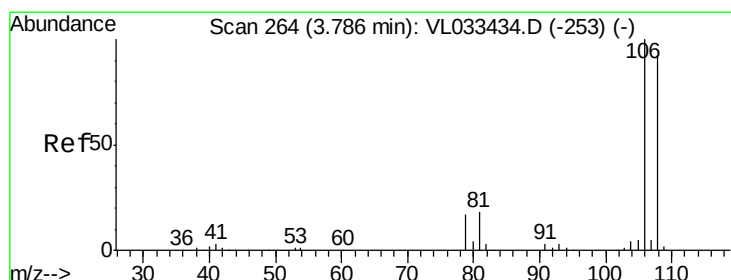
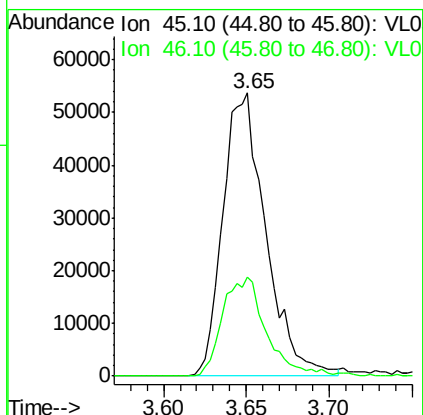
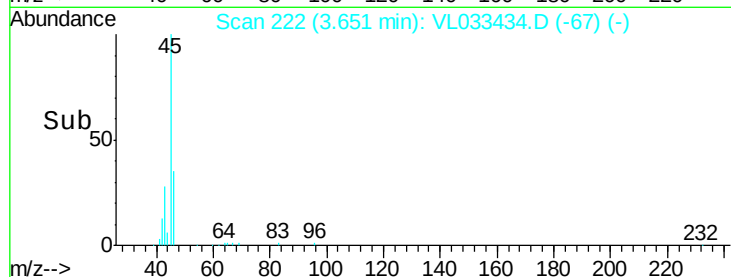
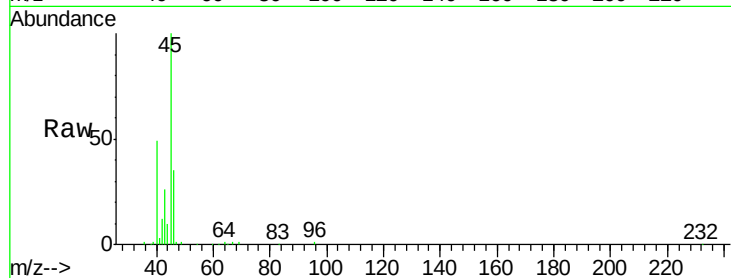
46 35.8 14.9 59.7

Manual Integrations

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#14

Bromoethene

Concen: 9.654 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

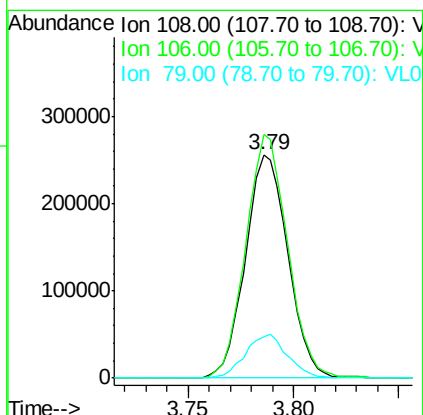
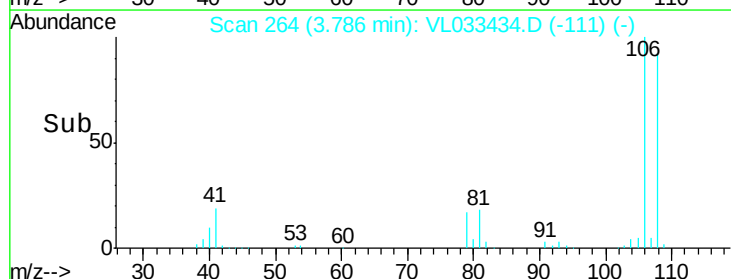
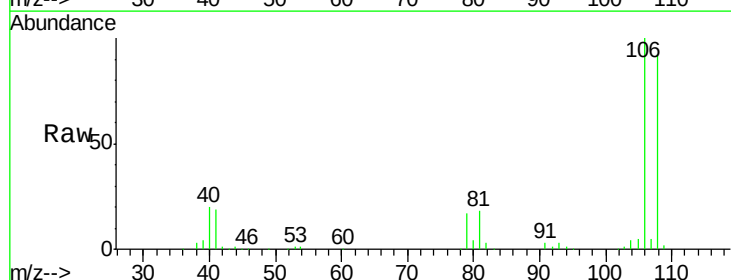
Tgt Ion: 108 Resp: 359041

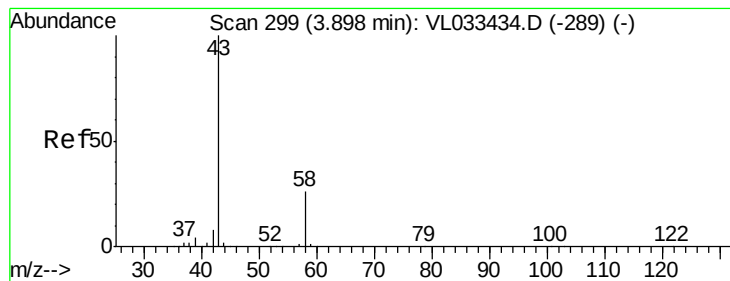
Ion Ratio Lower Upper

108 100

106 108.0 86.2 129.2

79 19.8 15.4 23.2





#15

Acetone

Concen: 6.584 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 785953

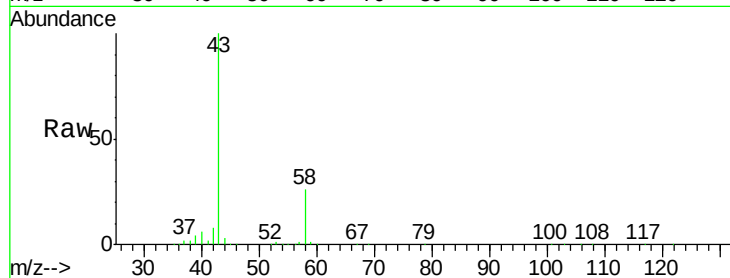
Ion Ratio Lower Upper

43 100

58 25.6 20.4 30.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

600000

500000

400000

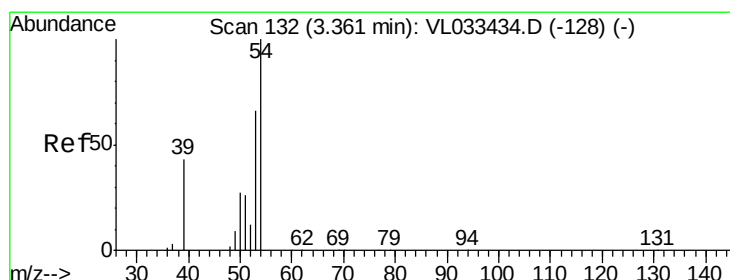
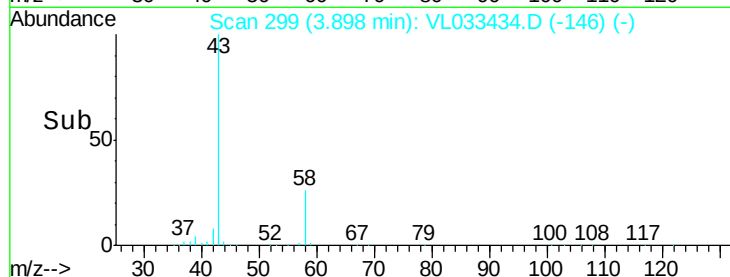
300000

200000

100000

0

Time-->



#16

1,3-Butadiene

Concen: 10.313 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033434.D

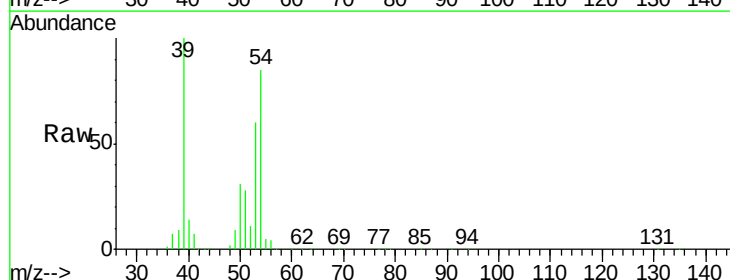
Acq: 25 Mar 2019 10:28

Tgt Ion: 39 Resp: 399881

Ion Ratio Lower Upper

39 100

54 86.8 76.8 115.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

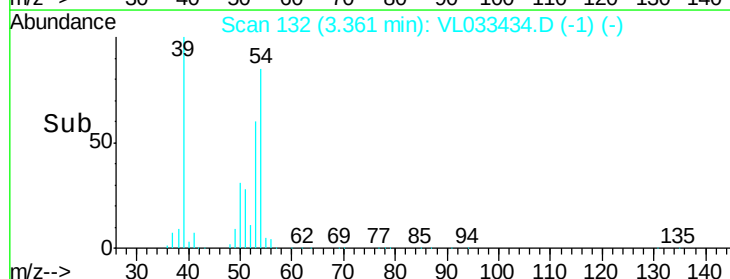
300000

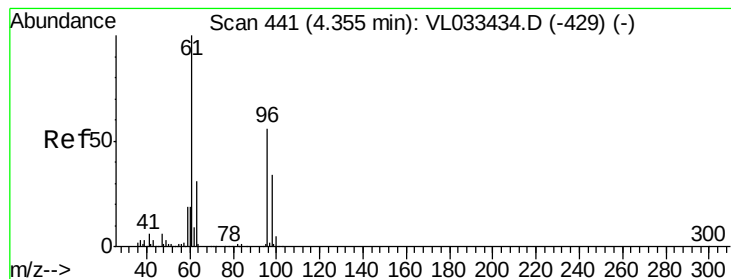
200000

100000

0

Time-->





#17

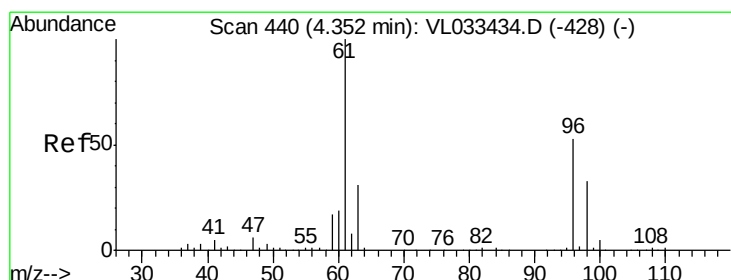
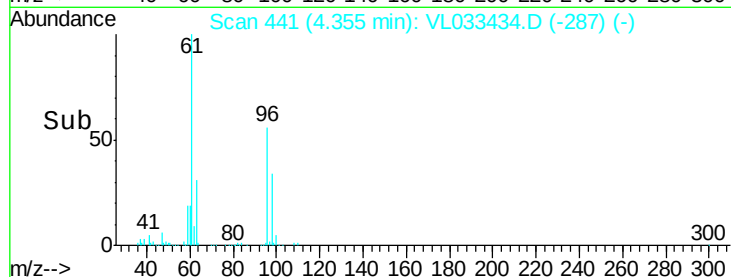
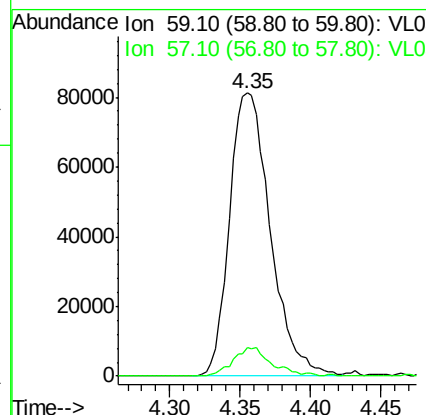
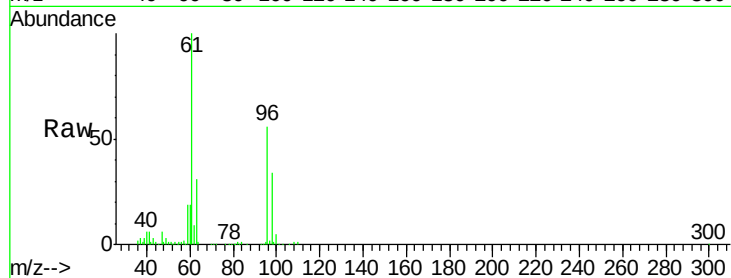
tert-Butyl alcohol
Concen: 9.794 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	59	Resp	164534
Ion Ratio	59	100	
Lower	57	9.8	7.7
Upper			11.5

Manual Integrations
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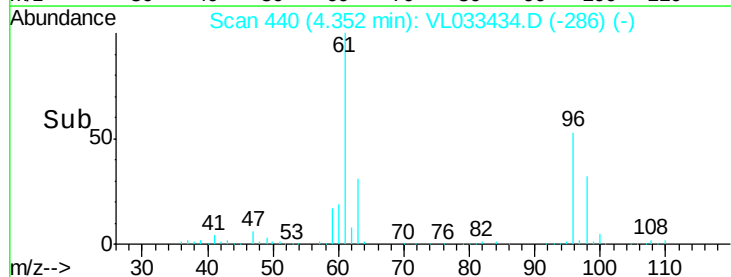
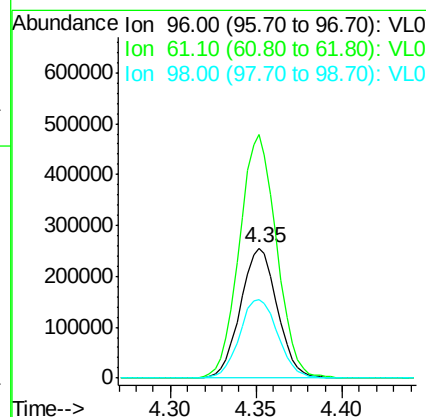
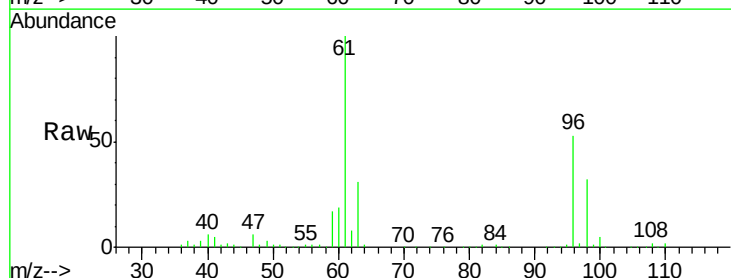
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4/1/2019 1:22:23 AM

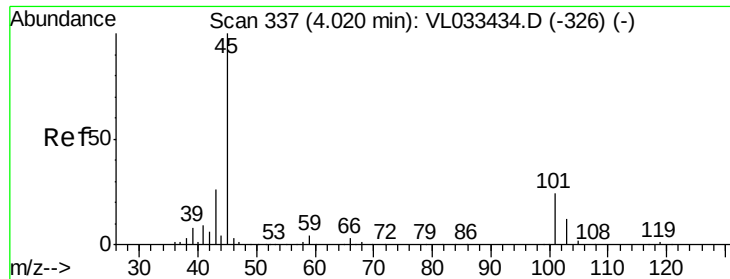


#18

1,1-Dichloroethene
Concen: 9.284 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion	96	Resp	378757
Ion Ratio	96	100	
Lower	61	187.2	148.6
Upper	98	60.9	50.3
			75.5





#19

Isopropyl Alcohol

Concen: 9.772 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 554914

Ion Ratio Lower Upper

45 100

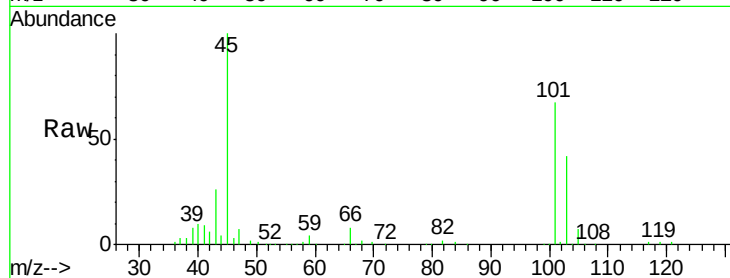
58 1.8 1.5 2.3

Manual Integrations

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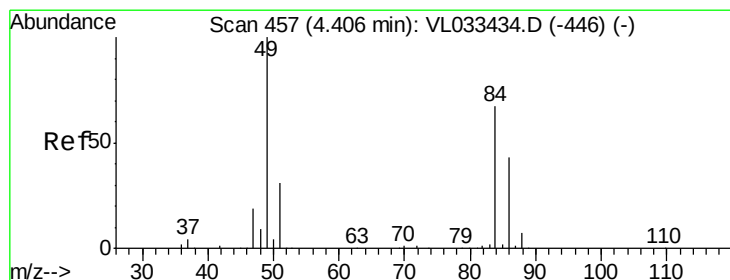
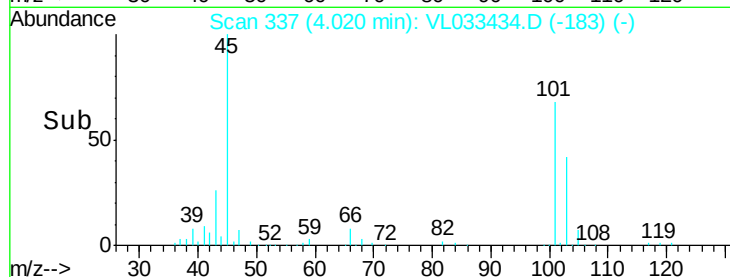
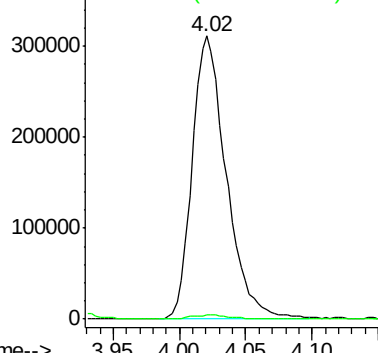
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.298 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Tgt Ion: 84 Resp: 323046

Ion Ratio Lower Upper

84 100

49 150.0 115.4 173.0

51 45.9 35.8 53.6

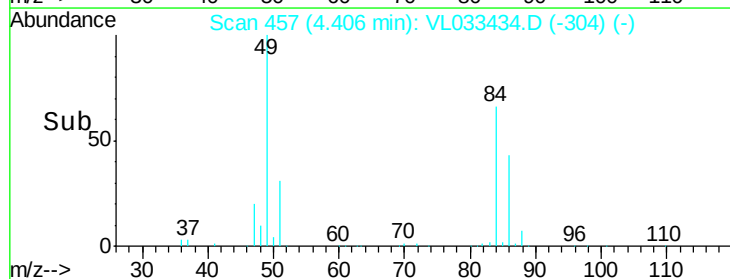
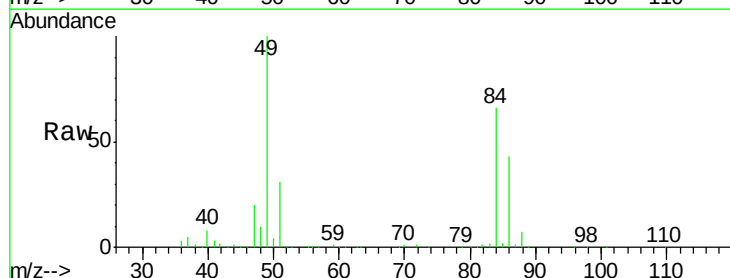
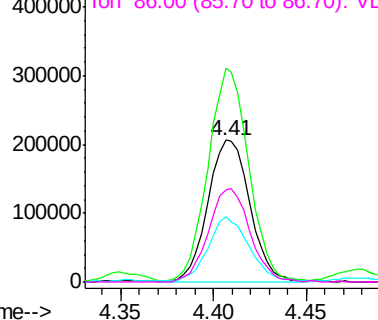
86 64.9 50.6 75.8

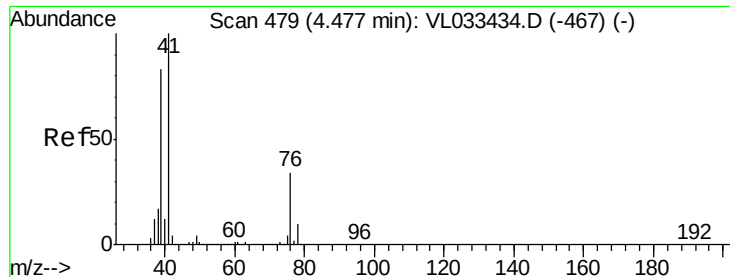
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 9.994 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

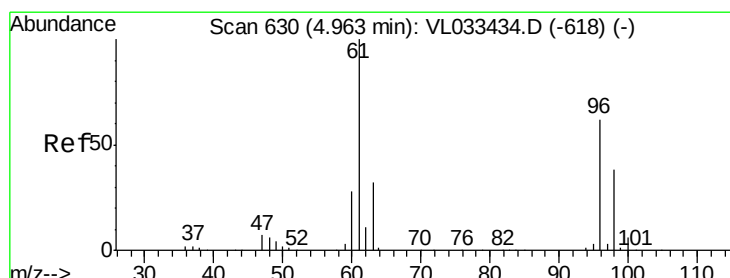
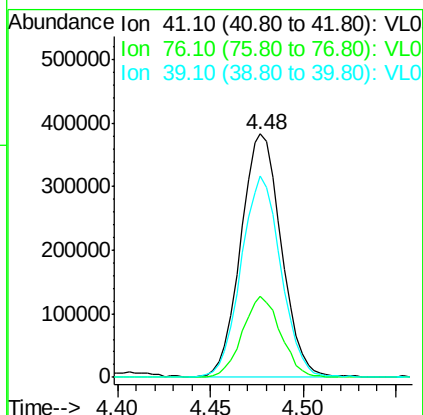
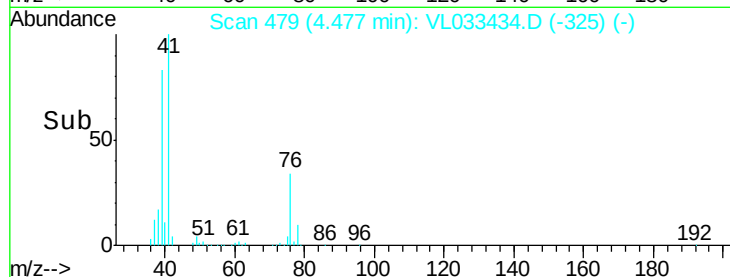
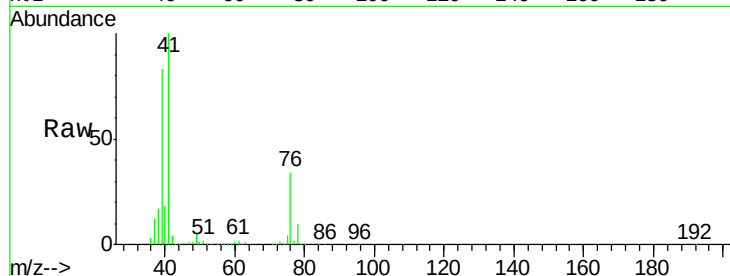
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	578717
Ion	Ratio	Lower	Upper
41	100		
76	31.8	25.0	37.4
39	81.6	65.9	98.9

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#22

trans-1,2-Dichloroethene

Concen: 9.890 ppbv

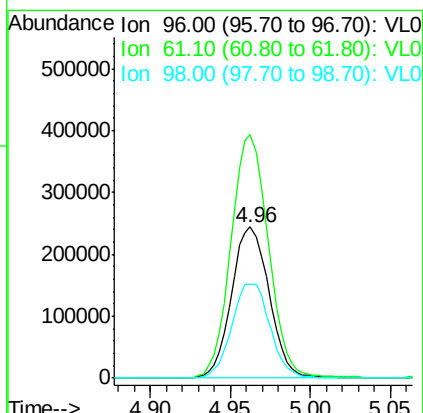
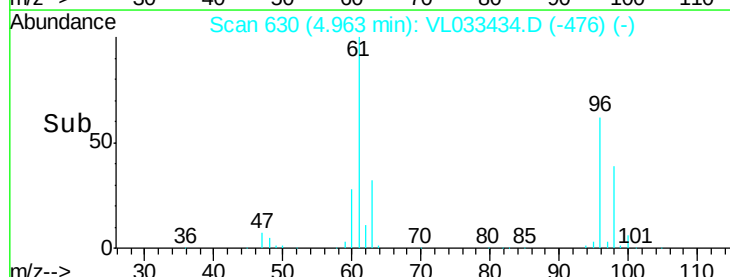
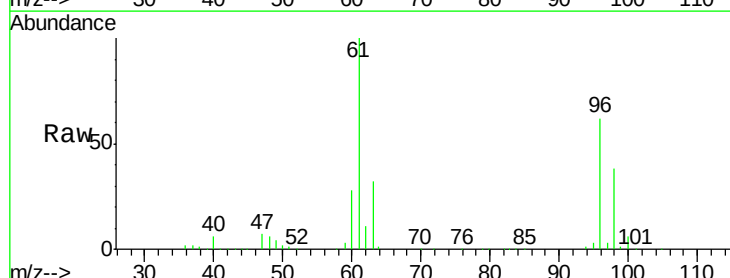
RT: 4.96 min Scan# 630

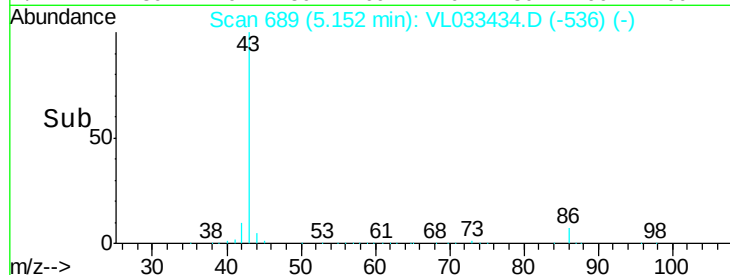
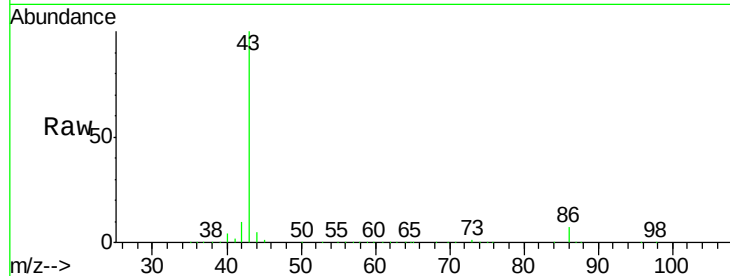
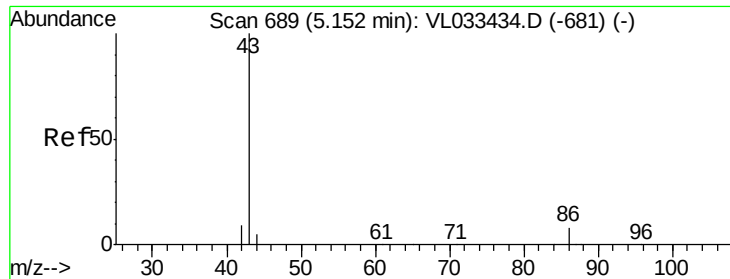
Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Tgt Ion:	96	Resp:	391018
Ion	Ratio	Lower	Upper
96	100		
61	161.1	130.0	195.0
98	61.9	50.0	75.0





#23
 Vinyl Acetate
 Concen: 9.606 ppbv
 RT: 5.15 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

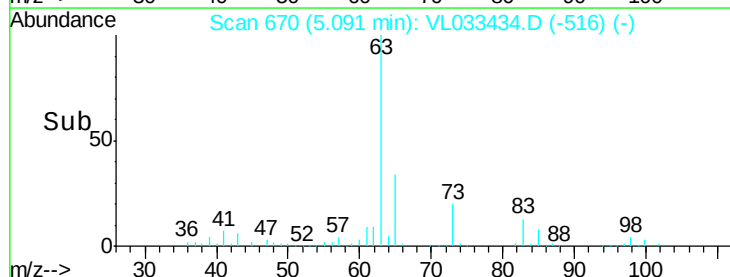
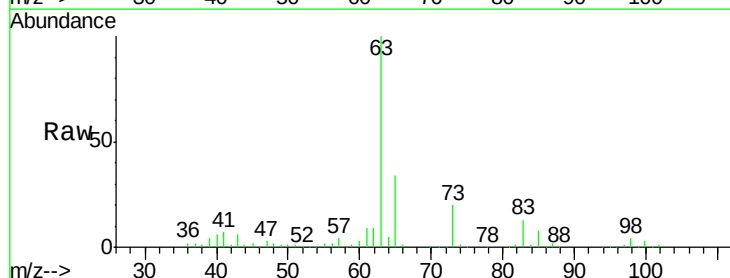
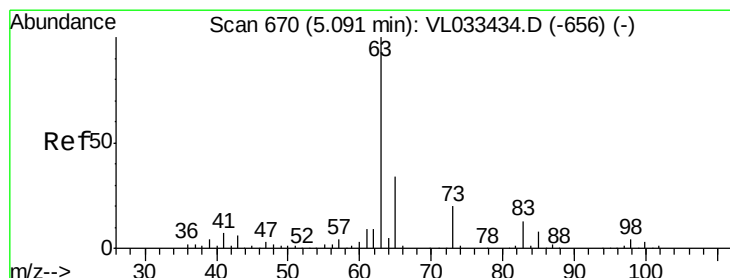
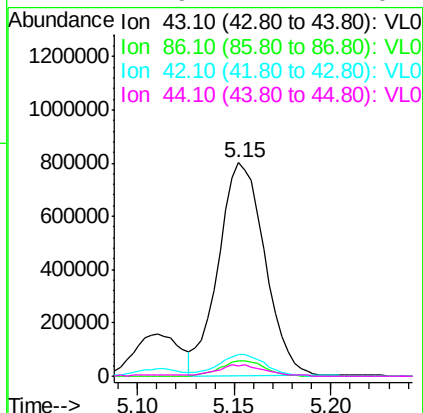
Tot Ion: 43 Resp: 1326885

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	10.0	8.1	12.1
44	4.9	4.1	6.1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

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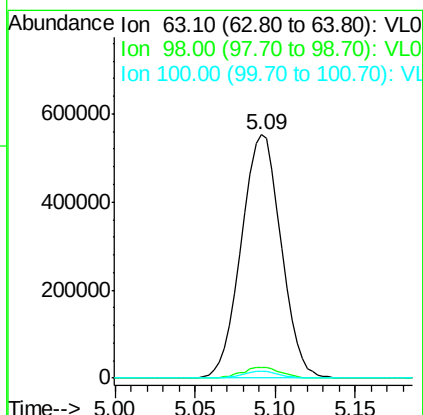
MMDadoda
 4/1/2019 1:22:23 AM

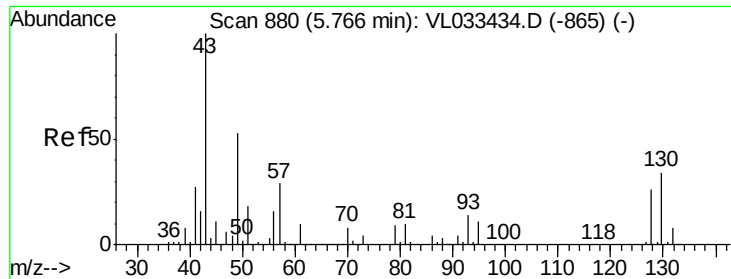


#24
 1,1-Dichloroethane
 Concen: 9.378 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion: 63 Resp: 935569

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.9	1.3	3.8





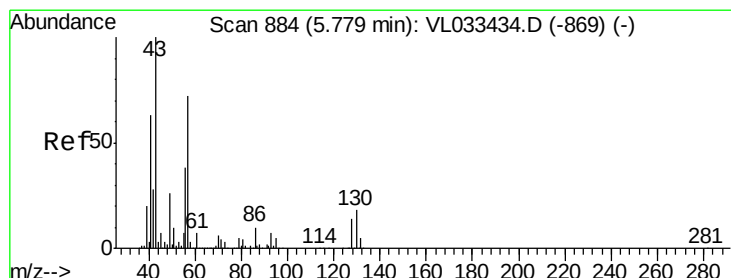
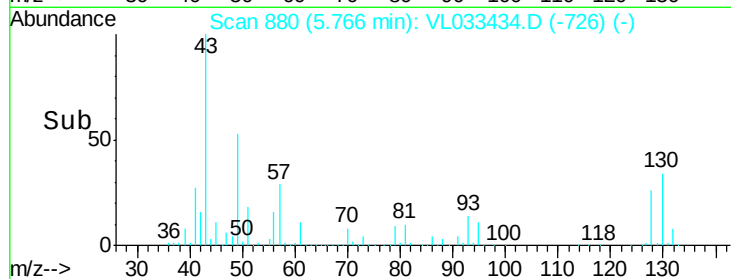
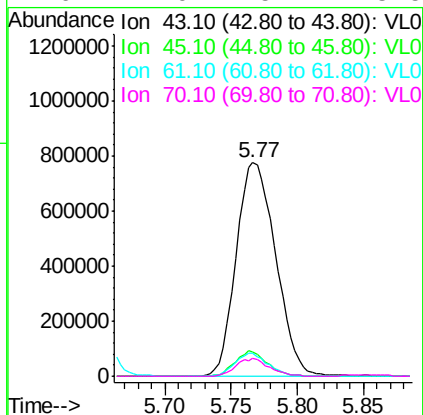
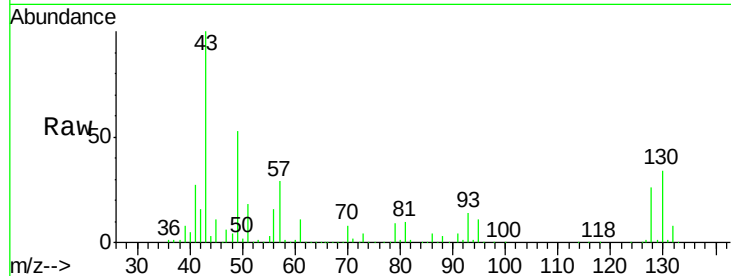
#25
Ethyl Acetate
Concen: 9.262 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	43	Resp	1607304
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.1	7.4	11.2
70	7.0	5.7	8.5

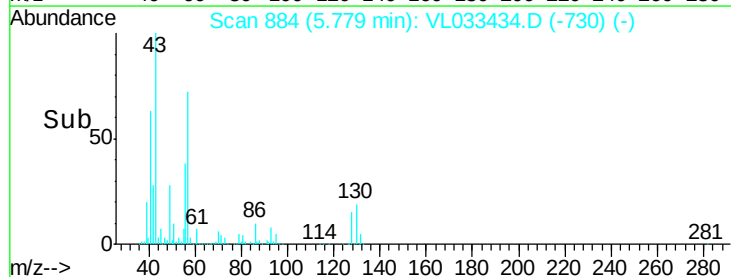
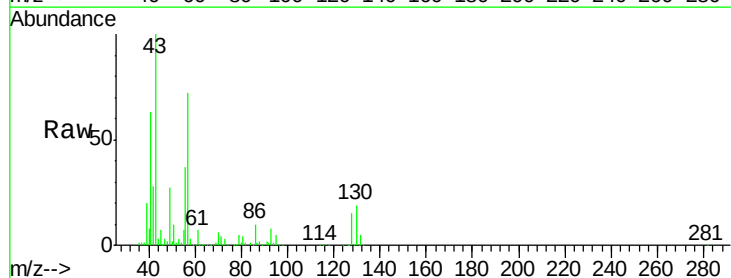
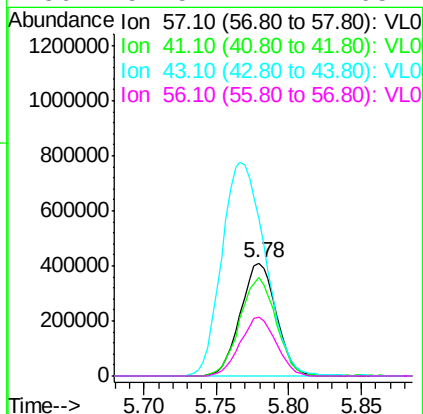
Manual Integrations
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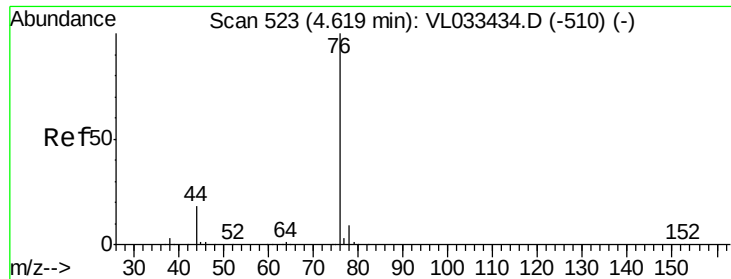
MMDadoda
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#26
Hexane
Concen: 9.105 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion	57	Resp	706345
Ion	Ratio	Lower	Upper
57	100		
41	88.4	70.5	105.7
43	228.3	181.8	272.8
56	52.5	42.2	63.2





#27

Carbon Disulfide

Concen: 10.632 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

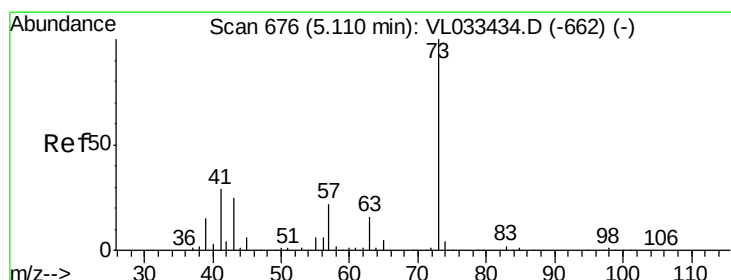
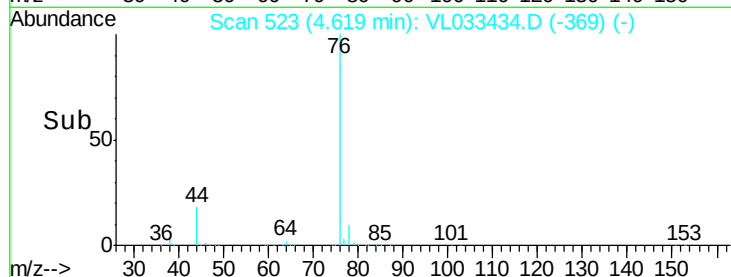
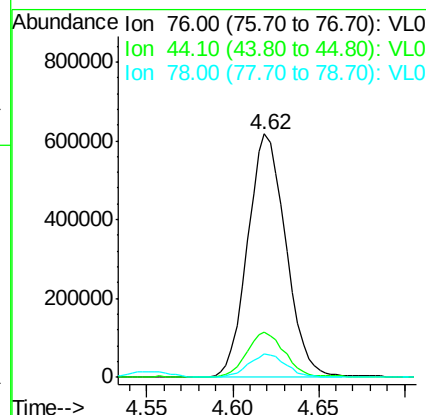
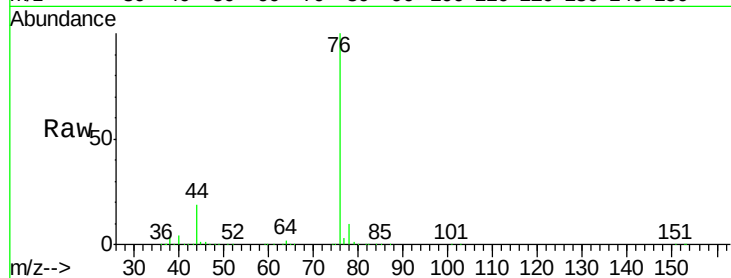
ClientSampleId :

VSTDICCC010

Tot Ion:	76	Resp:	949547
Ion	Ratio	Lower	Upper
76	100		
44	18.5	15.2	22.8
78	9.5	7.2	10.8

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.604 ppbv

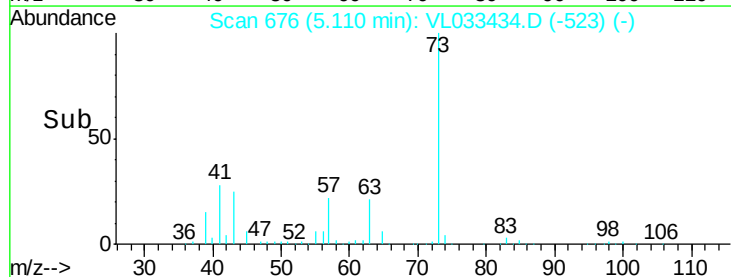
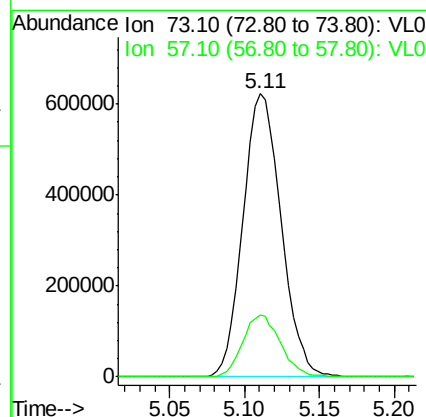
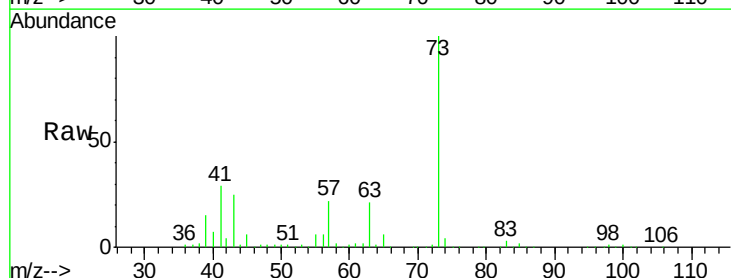
RT: 5.11 min Scan# 676

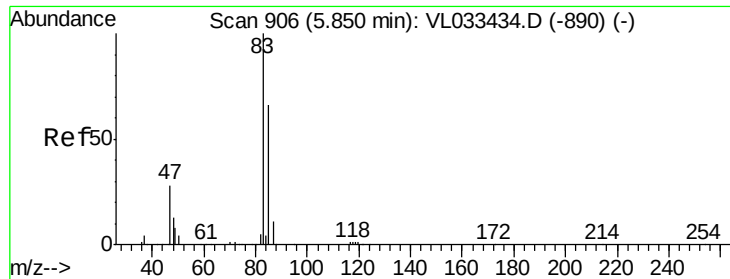
Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Tgt Ion:	73	Resp:	1106666
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0





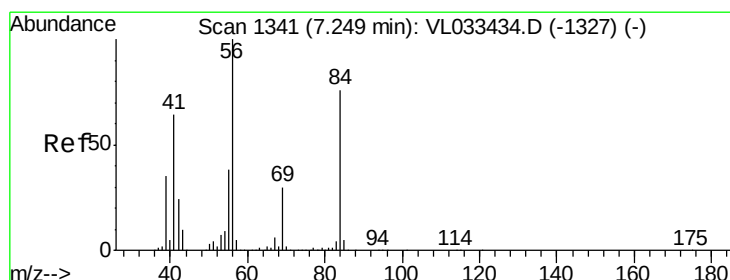
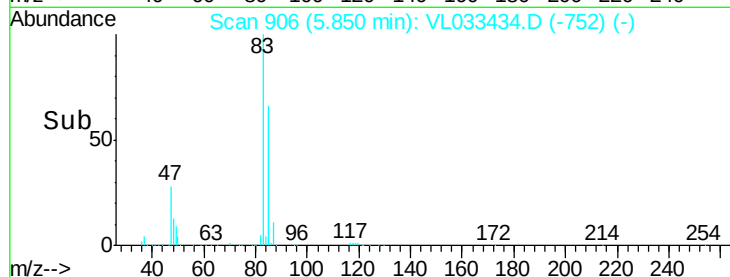
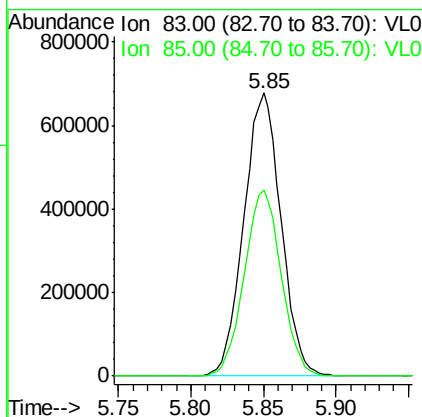
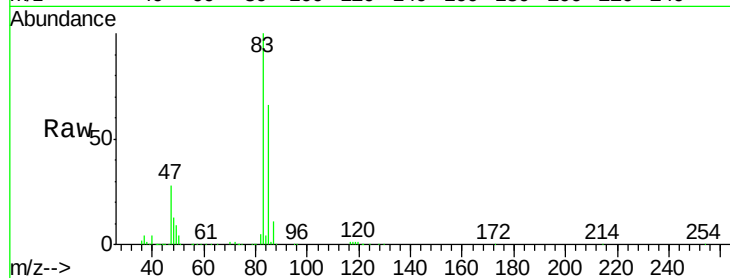
#29
Chloroform
Concen: 9.526 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1210057
Ion Ratio Lower Upper
83 100
85 65.8 52.0 78.0

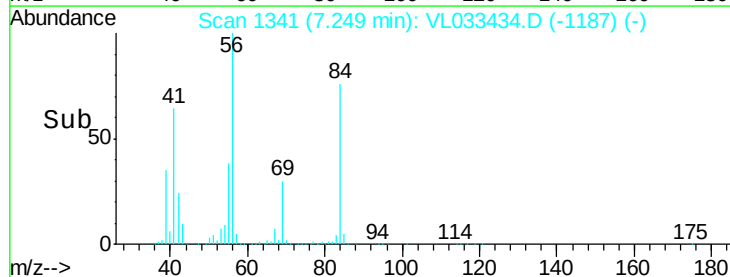
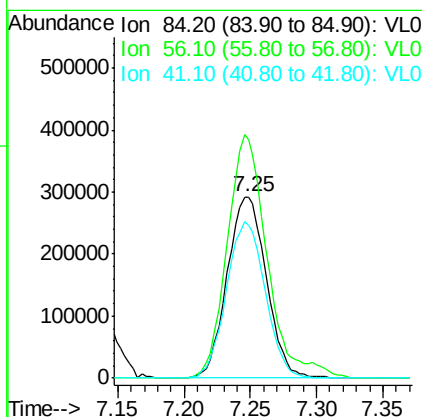
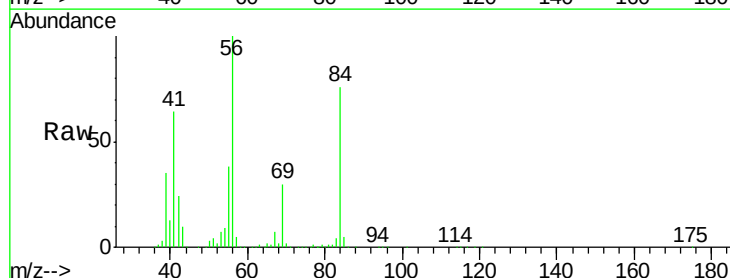
Manual Integrations
APPROVED

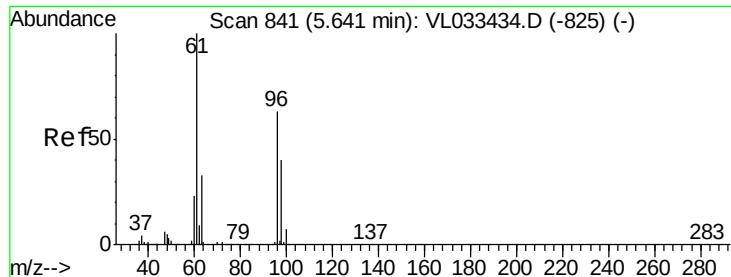
MMDadoda
4/1/2019 1:22:23 AM



#30
Cyclohexane
Concen: 9.670 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion: 84 Resp: 601442
Ion Ratio Lower Upper
84 100
56 137.1 111.3 166.9
41 85.2 69.6 104.4





#31

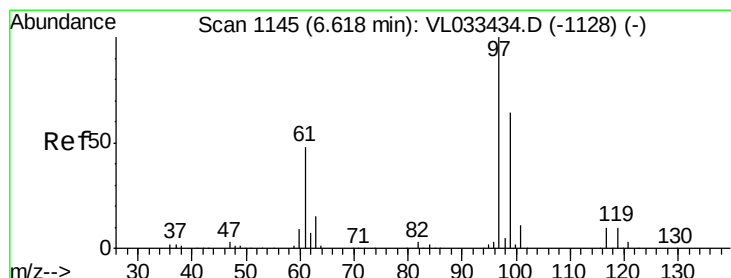
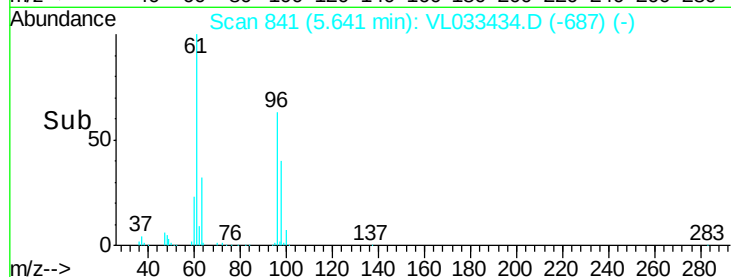
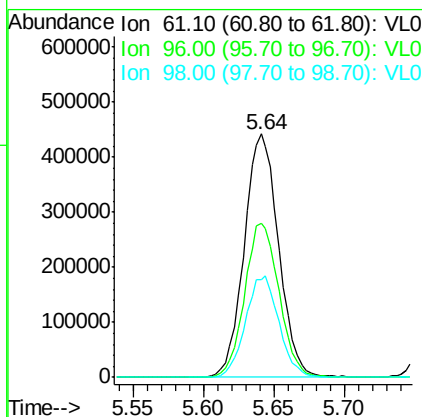
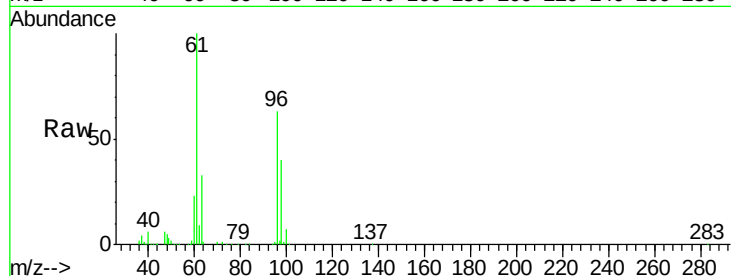
cis-1,2-Dichloroethene
Concen: 9.722 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	50.3	75.5
98	40.2	31.5	47.3

Manual Integrations
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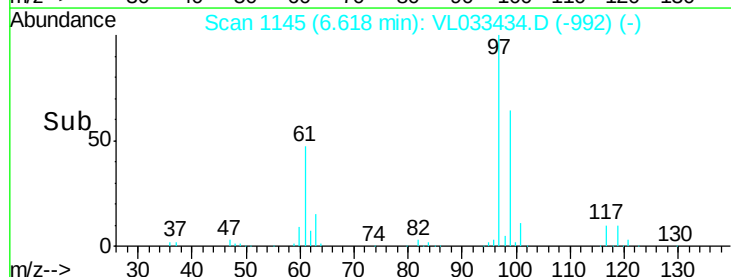
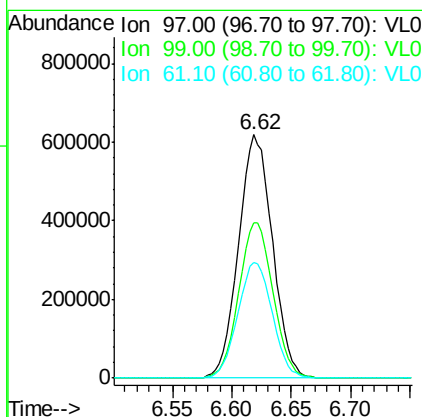
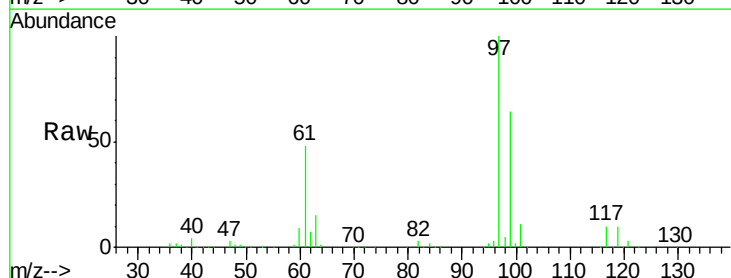
MMDadoda
4/1/2019 1:22:23 AM

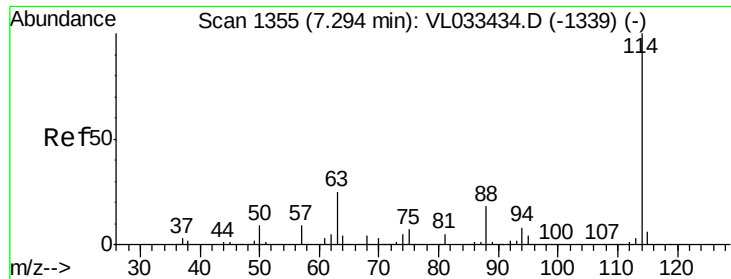


#32

1,1,1-Trichloroethane
Concen: 9.798 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	48.5	39.3	58.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:114 Resp: 1787912

Ion Ratio Lower Upper

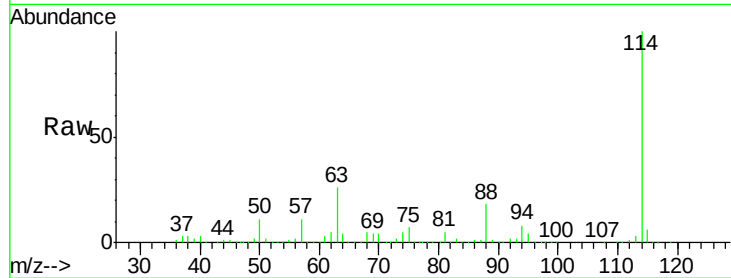
114 100

63 26.9 21.4 32.2

88 18.1 14.5 21.7

Manual Integrations
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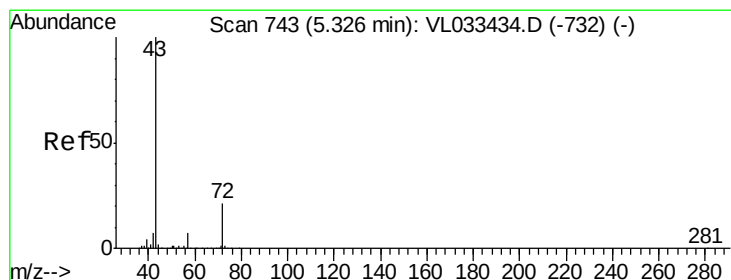
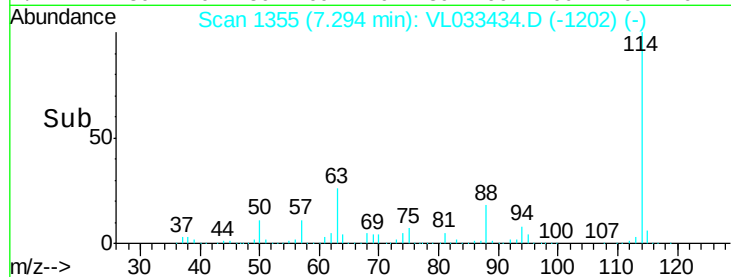
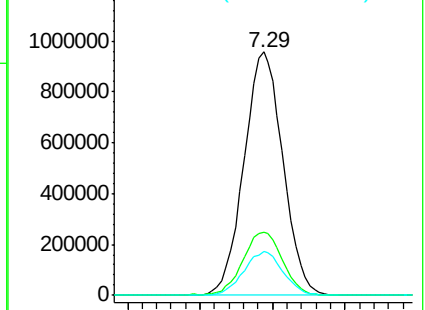
MMDadoda
4/1/2019 1:22:23 AM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.964 ppbv

RT: 5.33 min Scan# 743

Delta R.T. -0.01 min

Lab File: VL033434.D

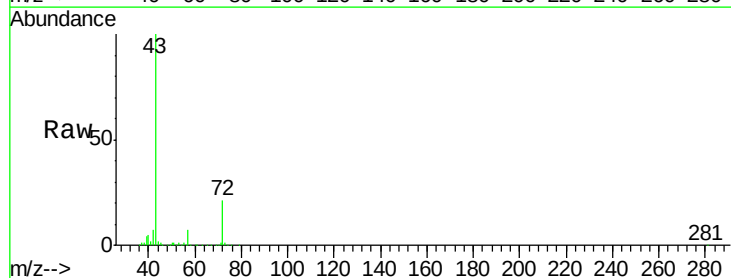
Acq: 25 Mar 2019 10:28

Tgt Ion: 43 Resp: 1052493

Ion Ratio Lower Upper

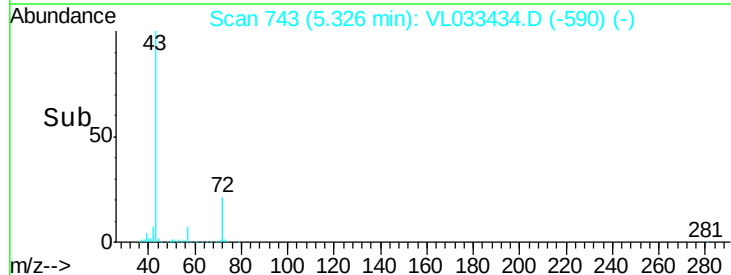
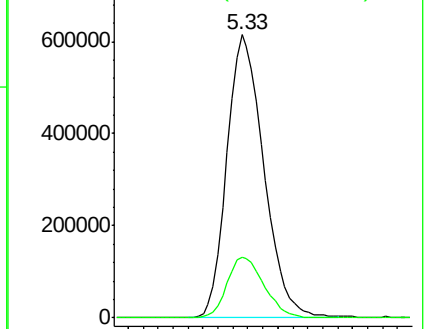
43 100

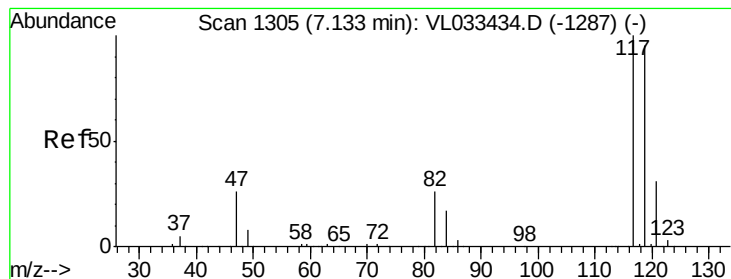
72 21.8 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.239 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1290570

Ion Ratio Lower Upper

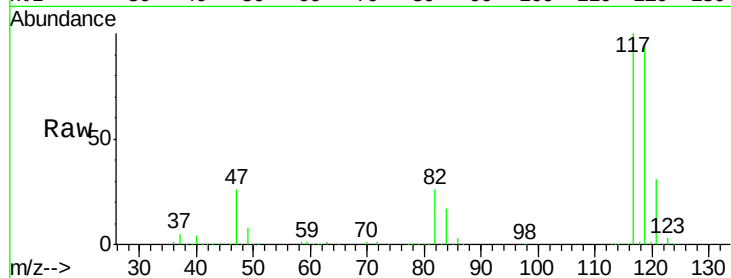
117 100

119 94.8 77.4 116.0

121 30.9 24.9 37.3

Manual Integrations
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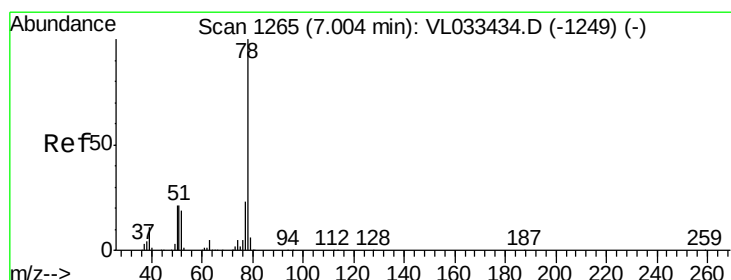
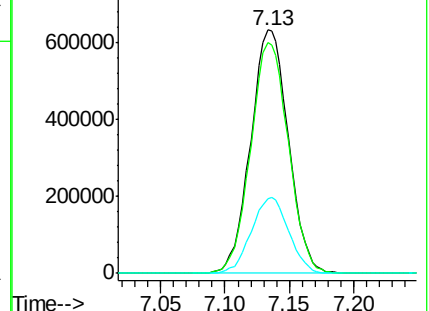
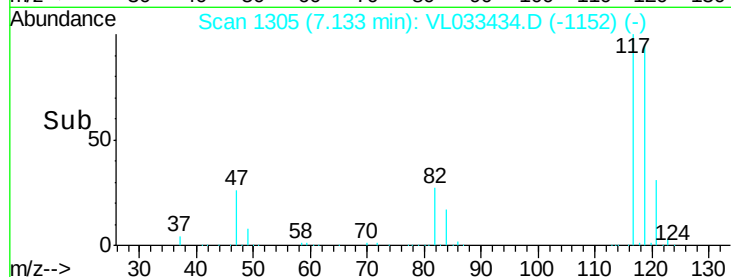
MMDadoda
4/1/2019 1:22:23 AM



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: 9.216 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

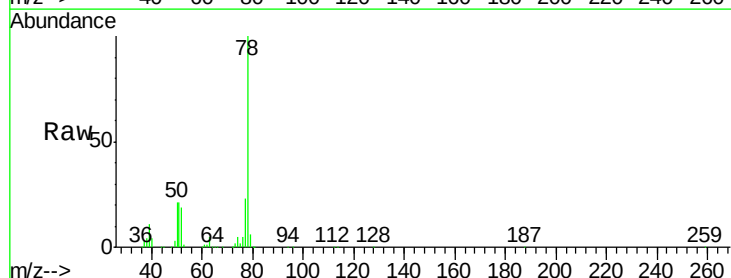
Tgt Ion: 78 Resp: 1474672

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

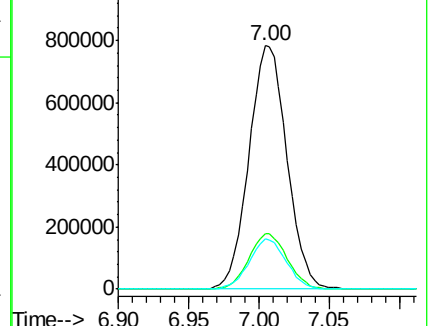
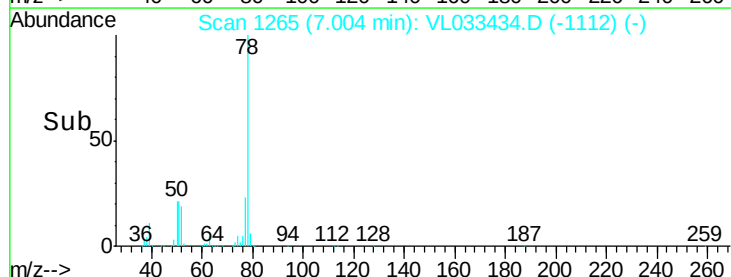
50 20.9 15.2 22.8

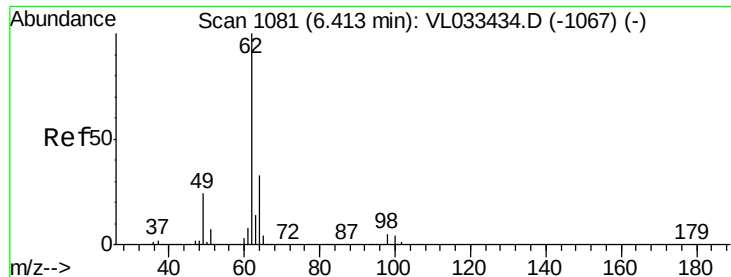


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





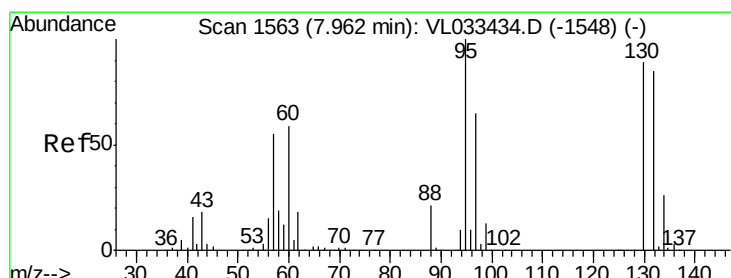
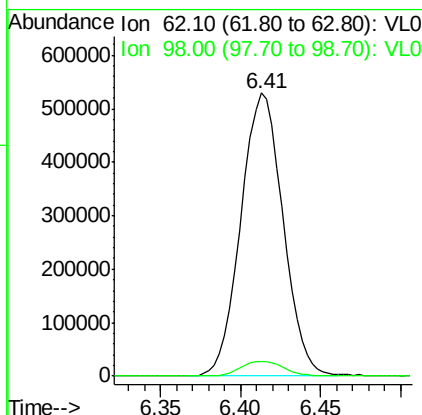
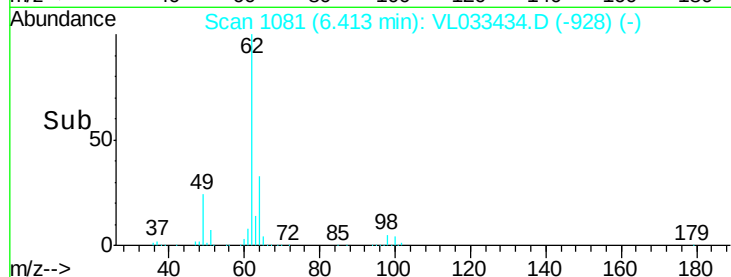
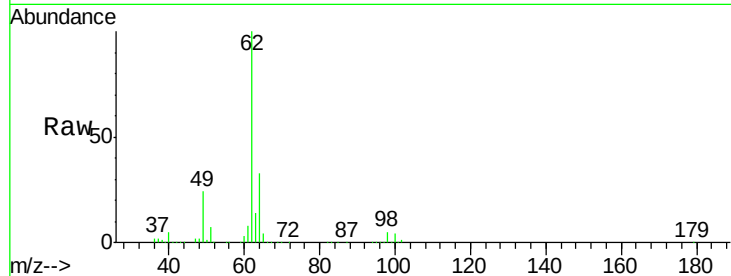
#37
 1,2-Dichloroethane
 Concen: 9.417 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

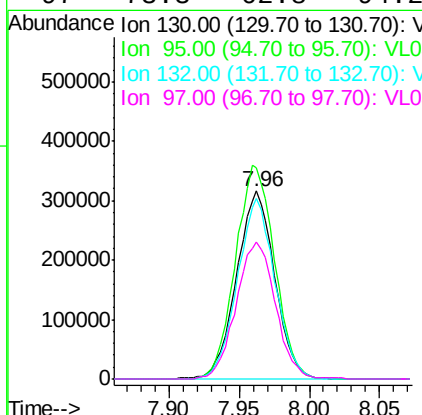
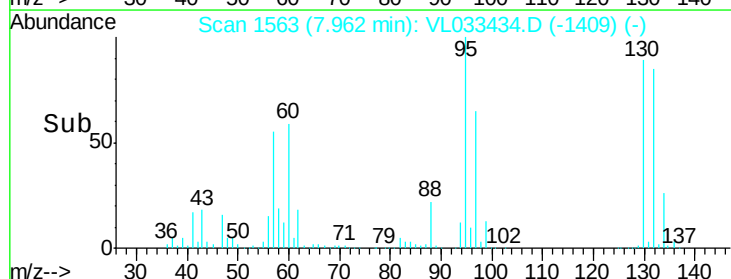
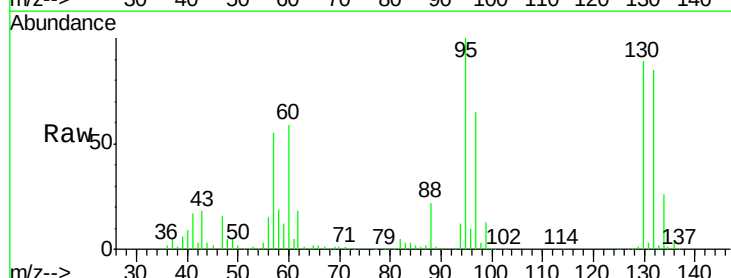
Manual Integrations
 APPROVED

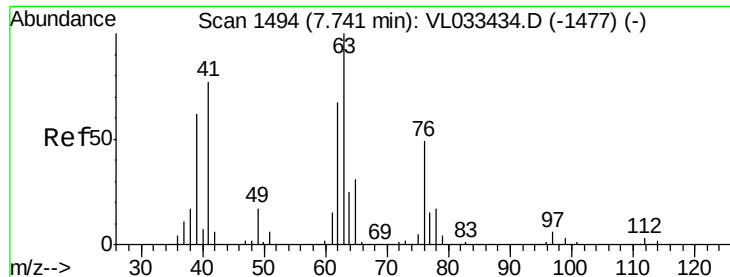
MMDadoda
 4/1/2019 1:22:23 AM



#38
 Trichloroethene
 Concen: 9.795 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.3	95.2	142.8
132	95.8	77.7	116.5
97	73.3	62.8	94.2





#39

1,2-Dichloropropane

Concen: 9.510 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

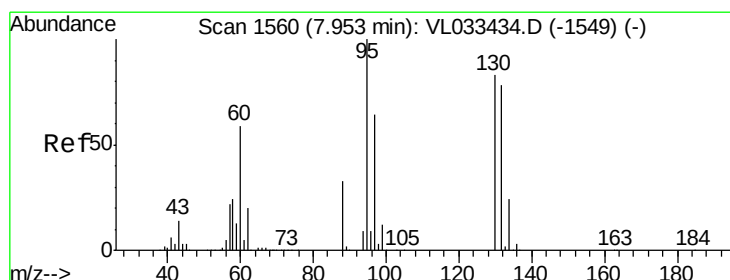
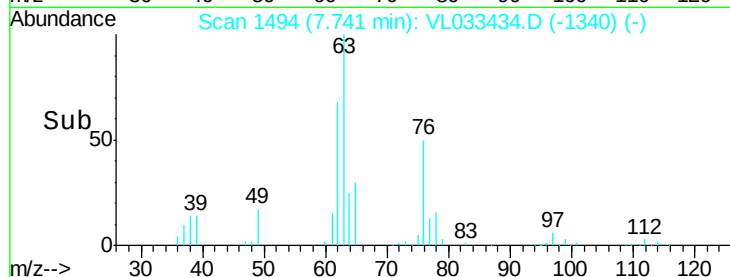
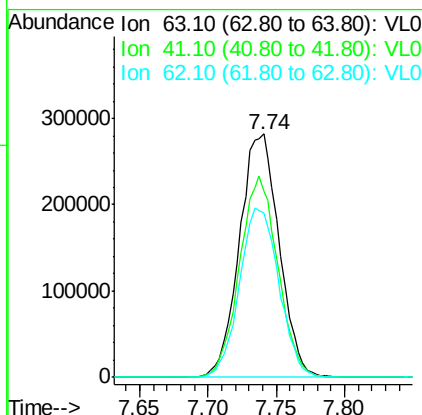
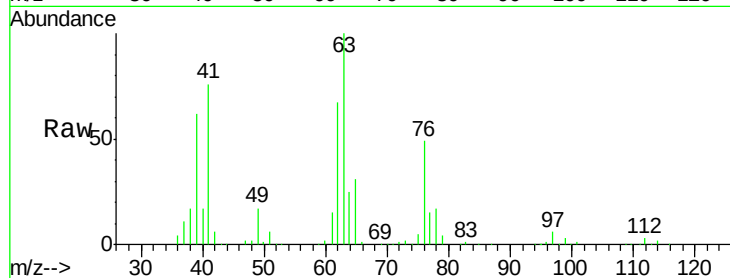
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	569880
Ion	Ratio	Lower	Upper
63	100		
41	76.5	59.5	89.3
62	67.5	54.7	82.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:22:23 AM



#40

1,4-Dioxane

Concen: 9.807 ppbv

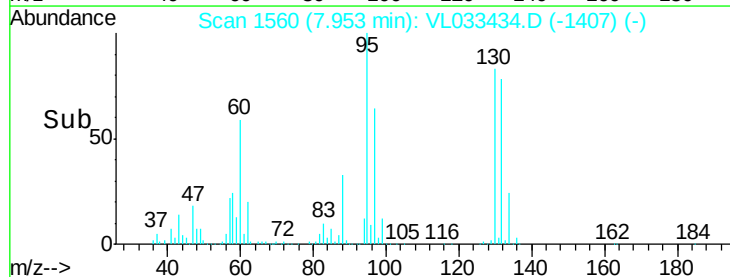
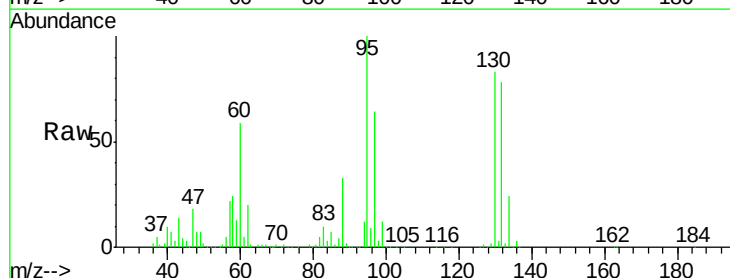
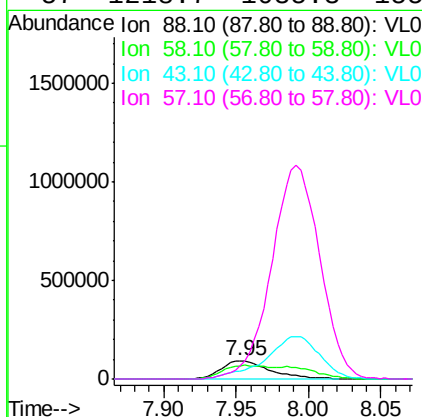
RT: 7.95 min Scan# 1560

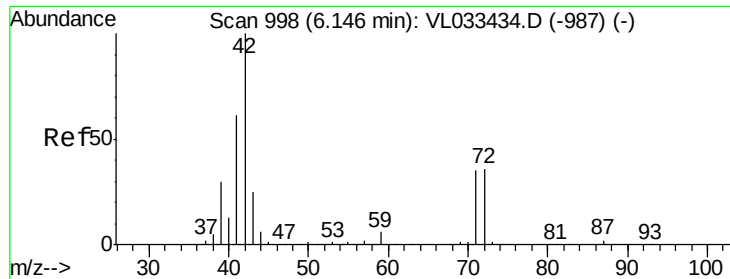
Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Tgt Ion:	88	Resp:	206929
Ion	Ratio	Lower	Upper
88	100		
58	132.0	107.9	161.9
43	270.9	230.8	346.2
57	1218.7	1035.3	1552.9





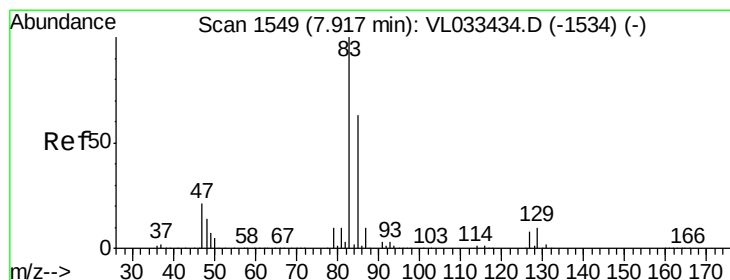
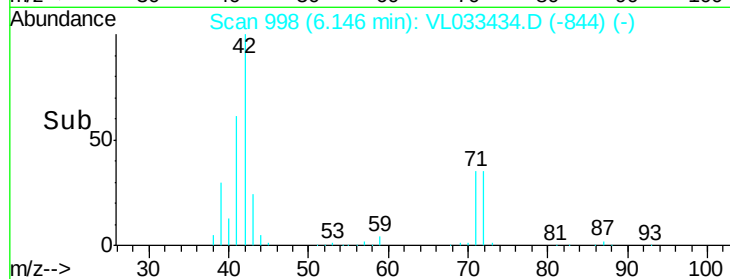
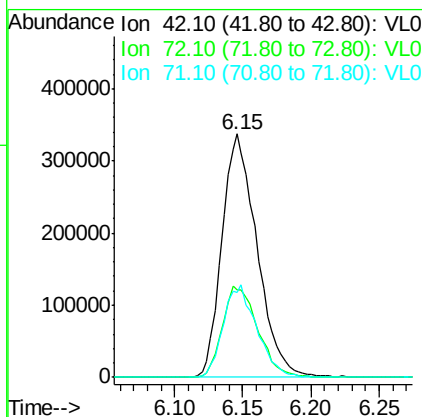
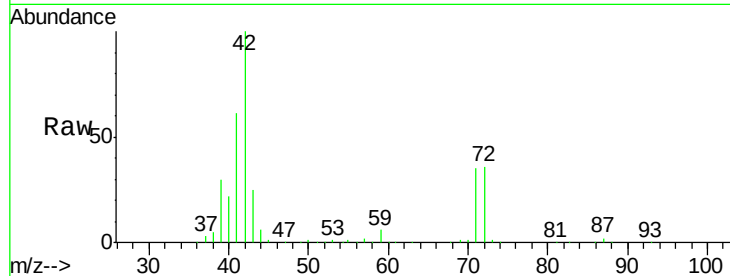
#41
Tetrahydrofuran
Concen: 9.608 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.6	47.4
71	36.8	29.9	44.9

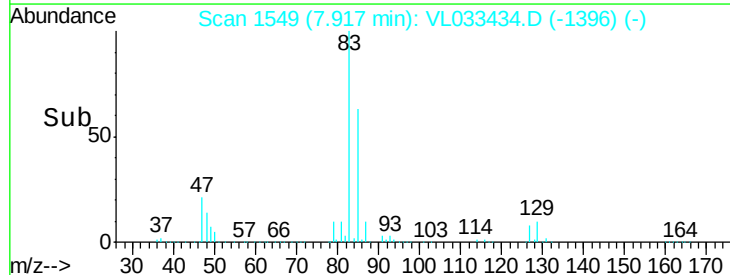
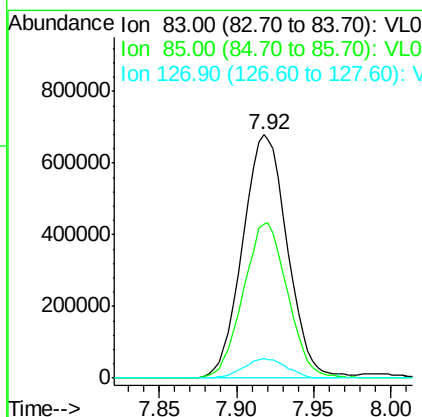
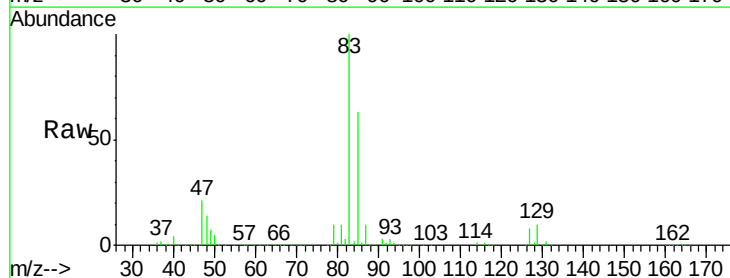
Manual Integrations
APPROVED

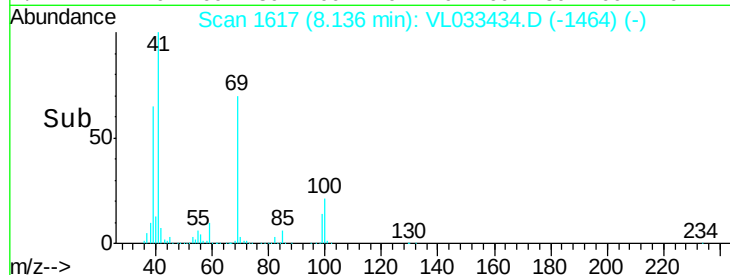
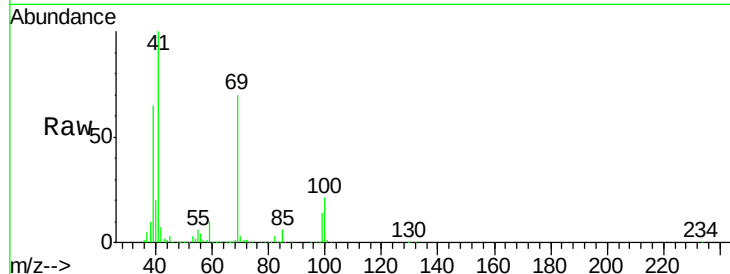
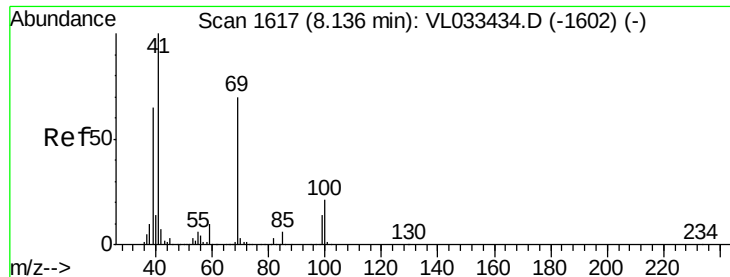
MMDadoda
4/1/2019 1:22:23 AM



#42
Bromodichloromethane
Concen: 10.037 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6
127	8.2	6.2	9.2





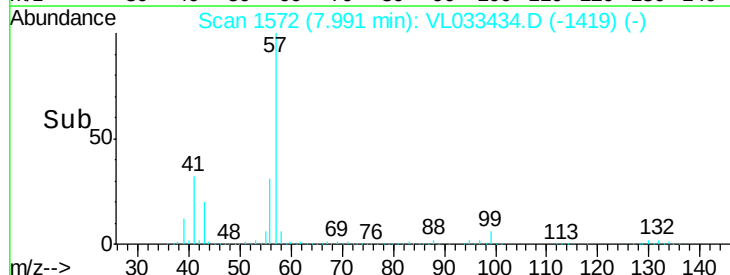
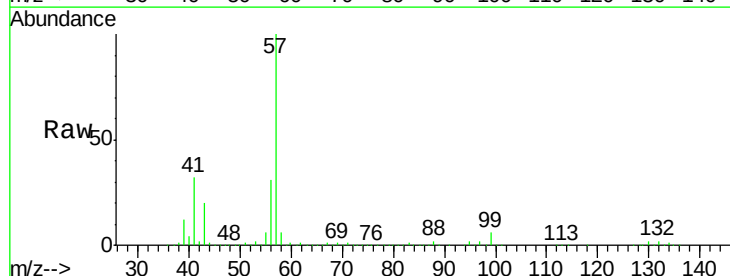
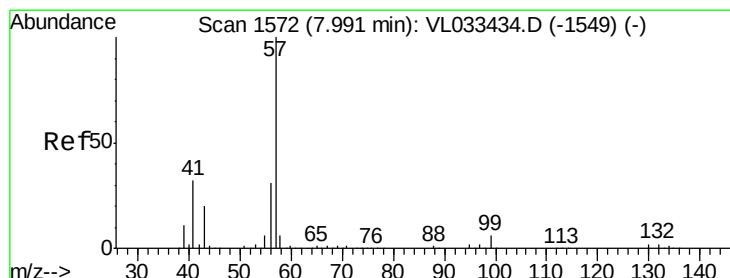
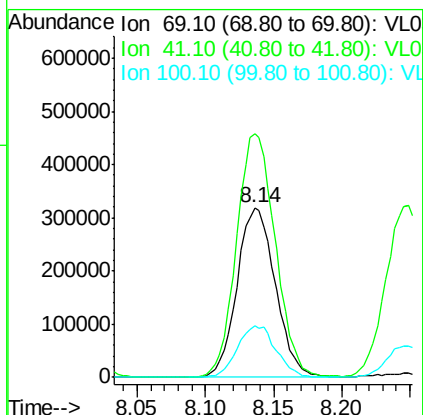
#43
Methyl Methacrylate
Concen: 9.965 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tot Ion	Ratio	Lower	Upper
69	100		
41	145.7	119.5	179.3
100	30.5	24.4	36.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

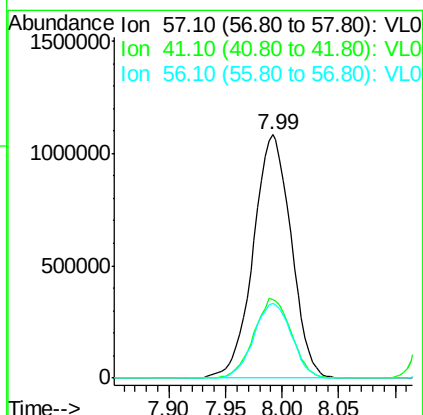
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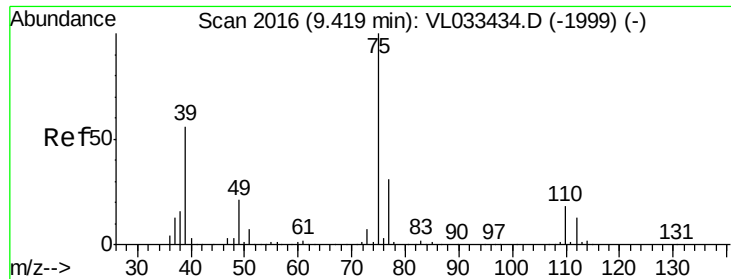
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.492 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.0	39.0
56	30.8	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 11.343 ppbv

RT: 9.42 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 872485

Ion Ratio Lower Upper

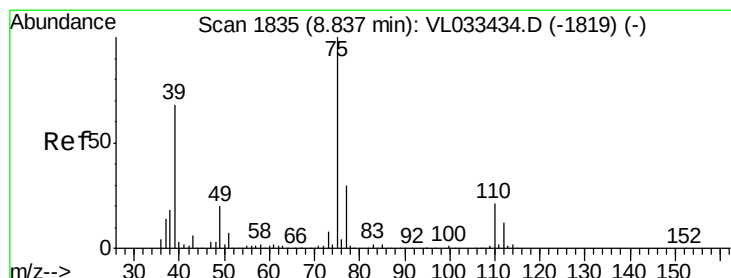
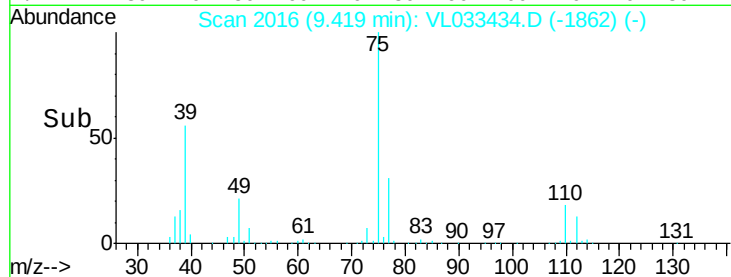
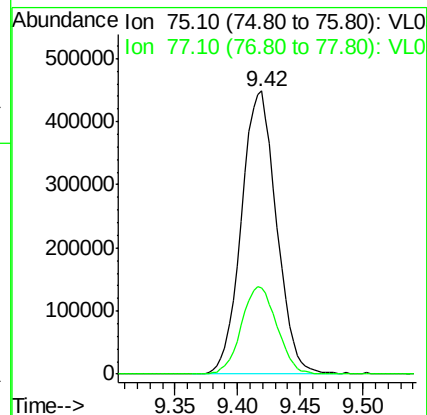
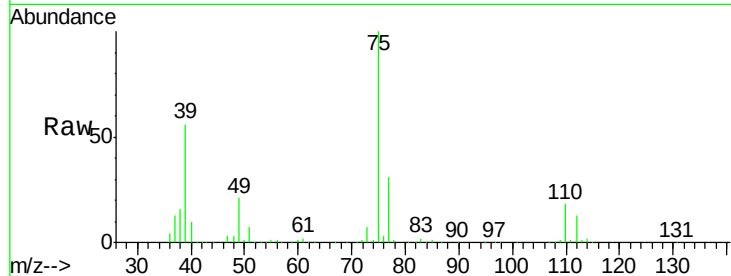
75 100

77 30.6 25.5 38.3

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#46

cis-1,3-Dichloropropene

Concen: 10.596 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

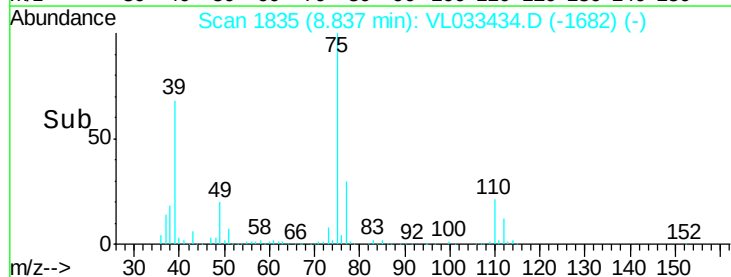
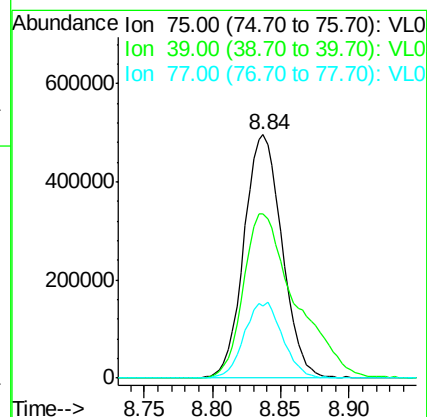
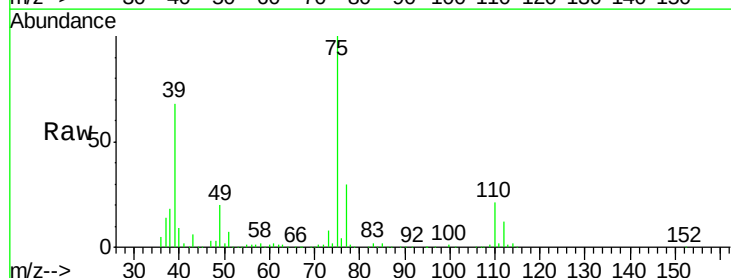
Tgt Ion: 75 Resp: 959743

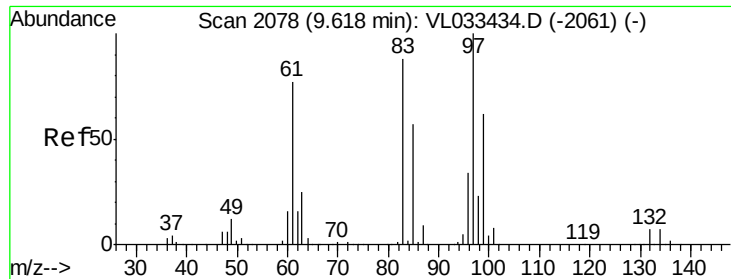
Ion Ratio Lower Upper

75 100

39 67.6 55.0 82.6

77 29.9 24.5 36.7





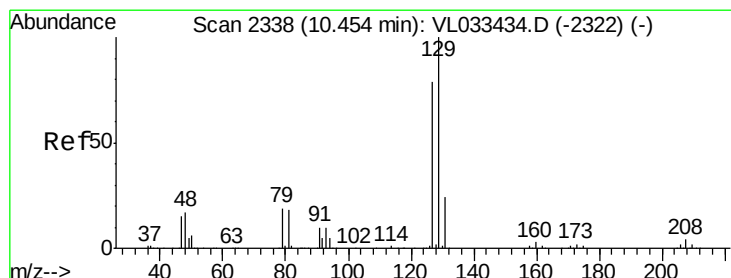
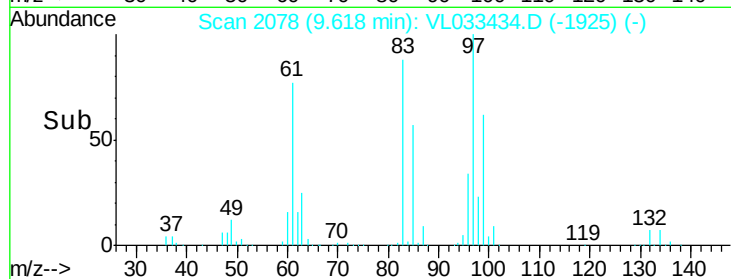
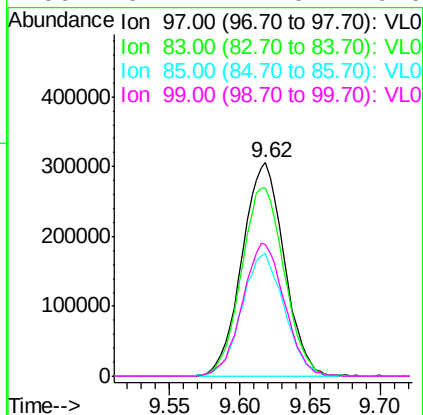
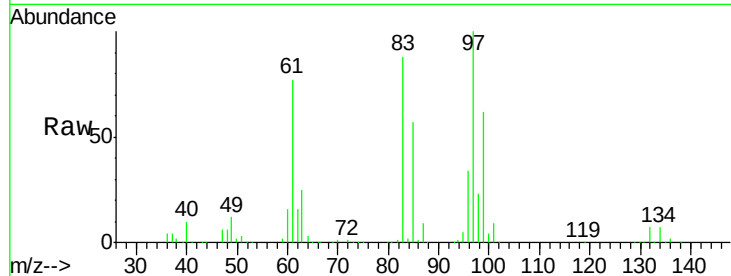
#47
 1,1,2-Trichloroethane
 Concen: 9.657 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	97	Resp	639354
Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.4	101.0
85	57.0	43.0	64.4
99	61.7	47.0	70.6

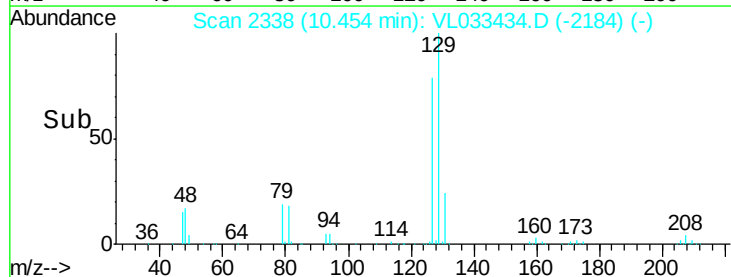
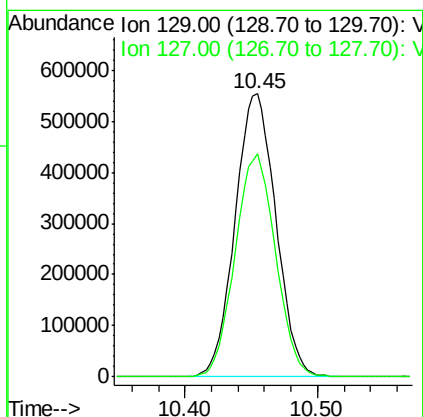
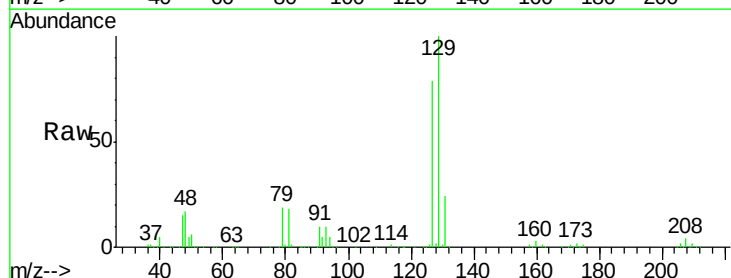
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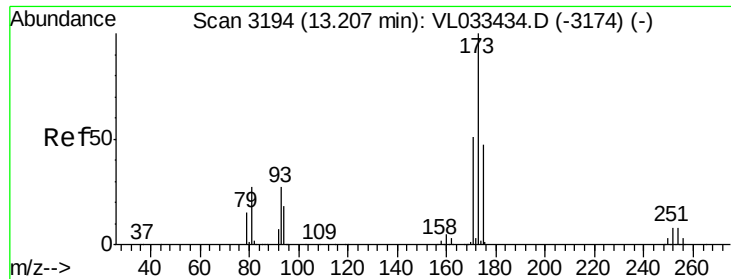
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#48
 Dibromochloromethane
 Concen: 10.677 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion	129	Resp	1185499
Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.9	116.6





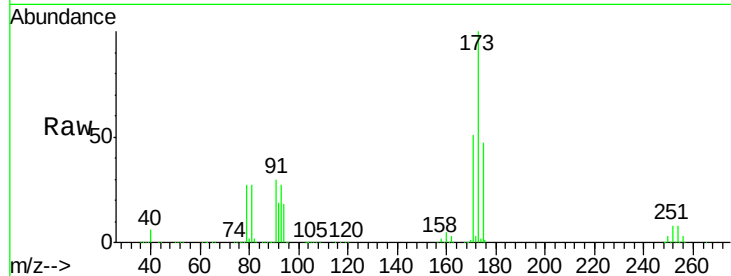
#49
Bromoform
Concen: 13.697 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

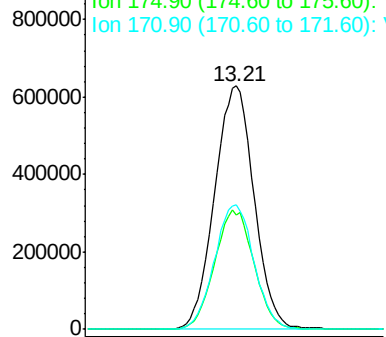
Tot Ion:173 Resp: 1442626
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.6
171 51.5 41.7 62.5

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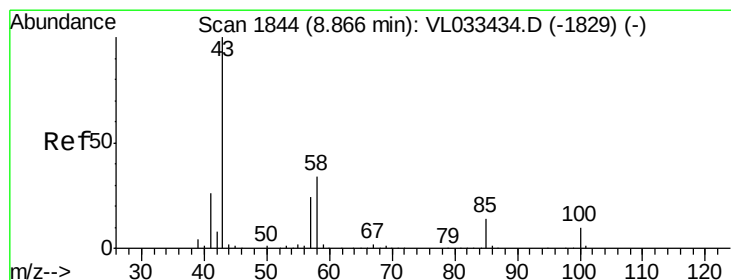
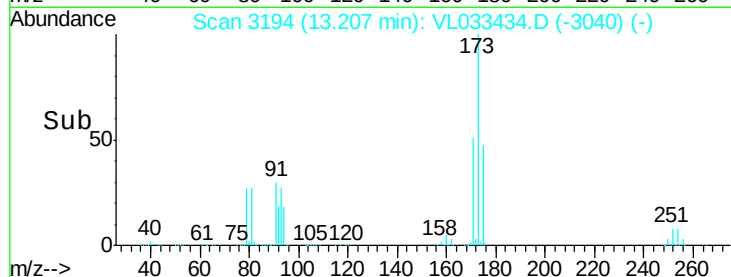
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

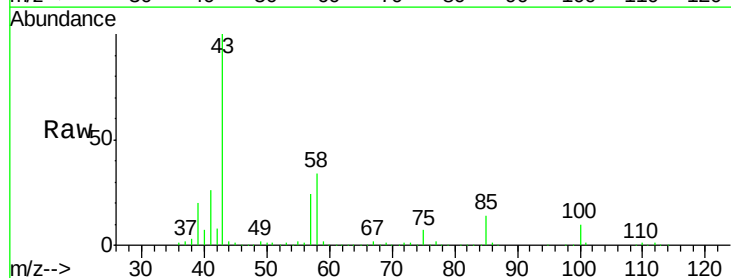


Time-->

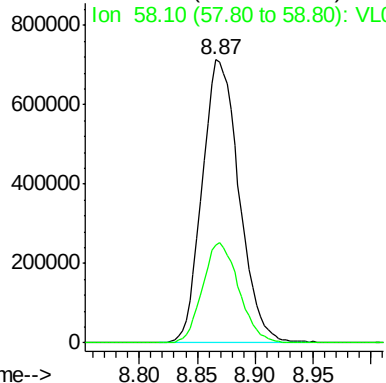


#50
4-Methyl-2-Pentanone
Concen: 9.493 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

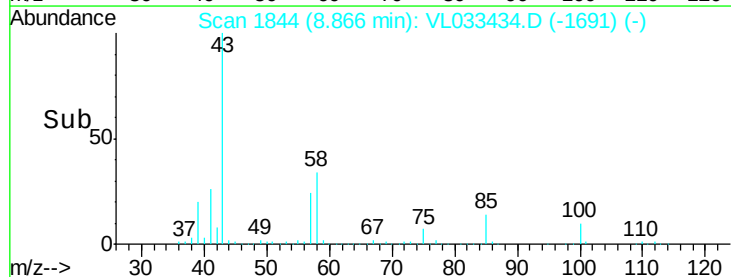
Tgt Ion: 43 Resp: 1574375
Ion Ratio Lower Upper
43 100
58 35.0 28.4 42.6

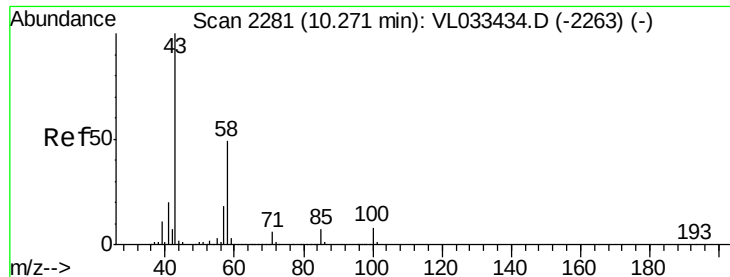


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



Time-->





#51

2-Hexanone

Concen: 9.760 ppbv

RT: 10.27 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1248866

Ion Ratio Lower Upper

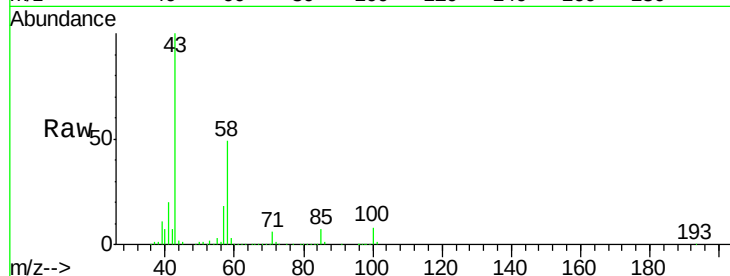
43 100

58 47.7 38.0 57.0

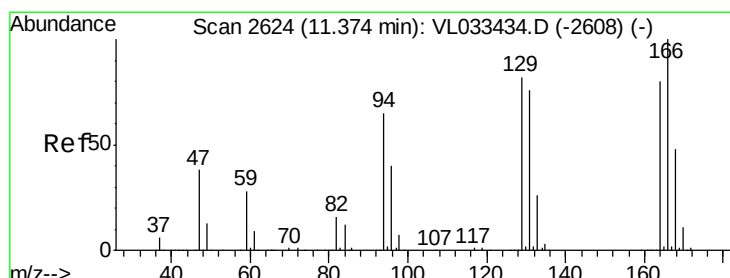
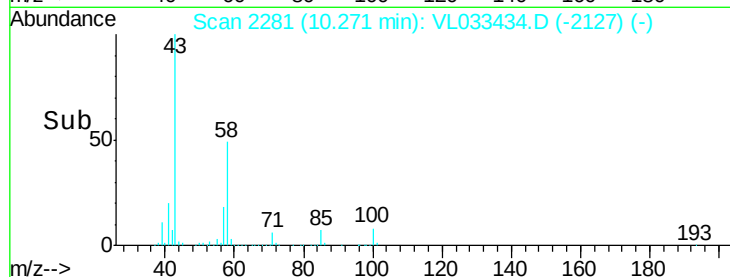
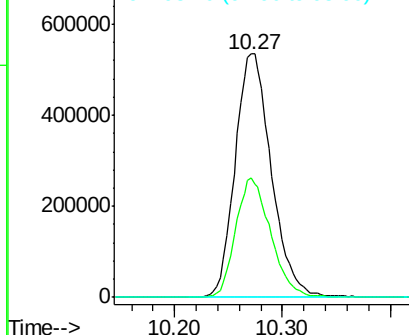
98 0.2 0.1 0.1#

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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: 8.926 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Tgt Ion: 164 Resp: 595002

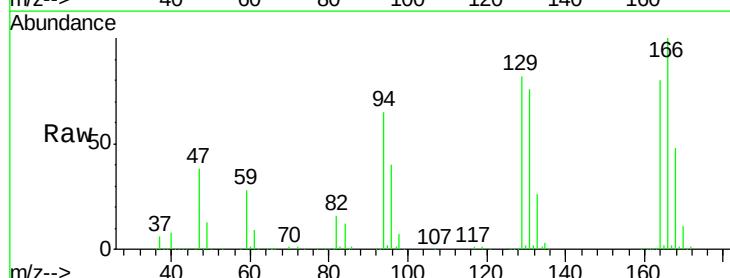
Ion Ratio Lower Upper

164 100

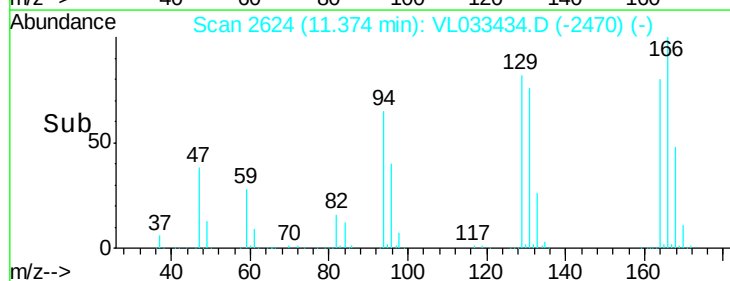
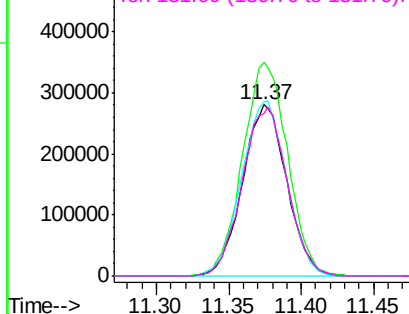
166 124.4 101.5 152.3

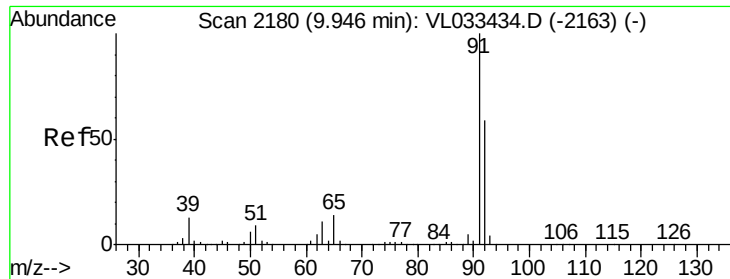
129 101.8 82.2 123.2

131 94.5 81.1 121.7



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: 10.038 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033434.D

Acq: 25 Mar 2019 10:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 1825084

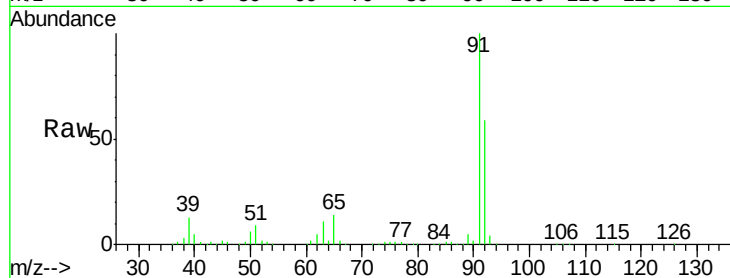
Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.0

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.95

800000

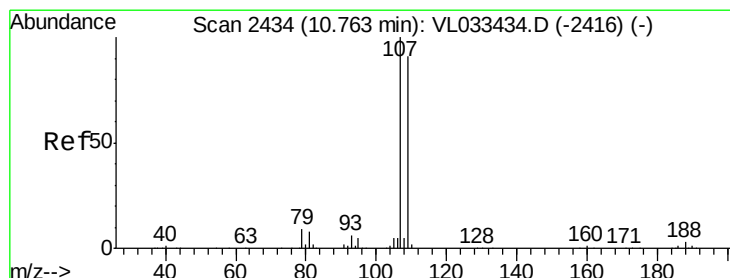
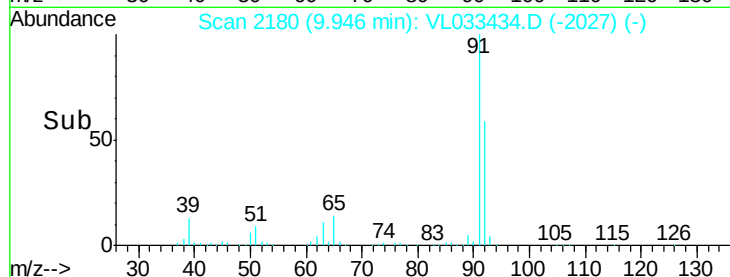
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.350 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033434.D

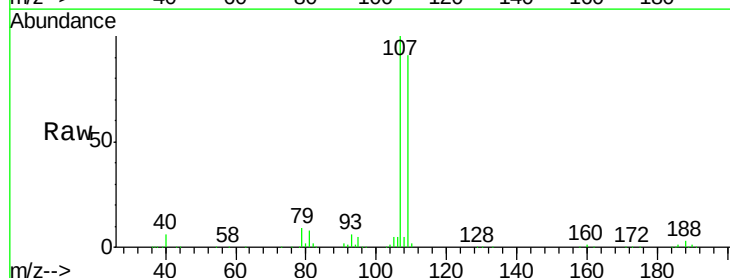
Acq: 25 Mar 2019 10:28

Tgt Ion:107 Resp: 1046481

Ion Ratio Lower Upper

107 100

109 90.9 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.76

500000

400000

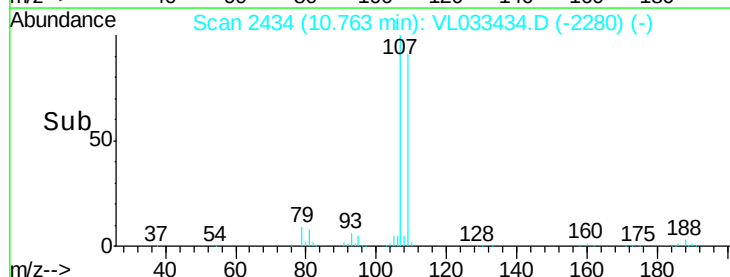
300000

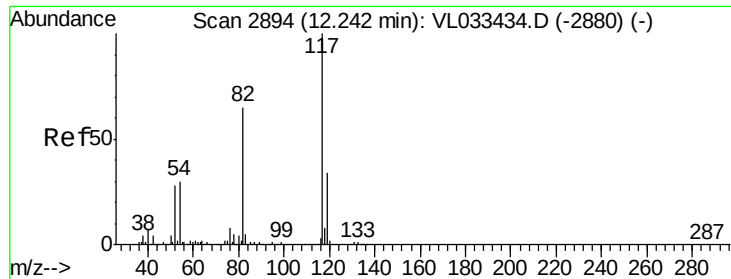
200000

100000

0

Time-->





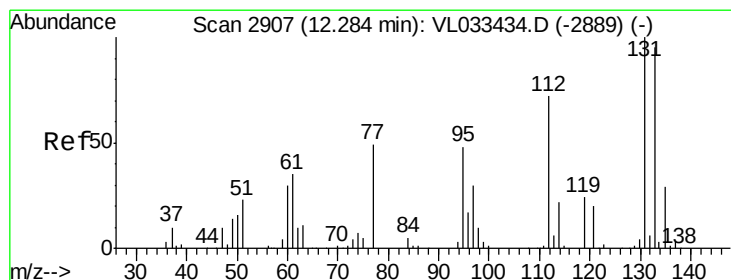
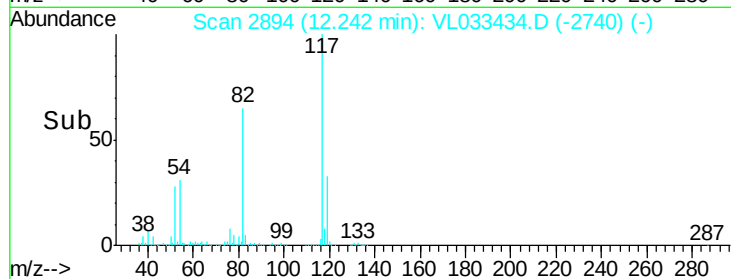
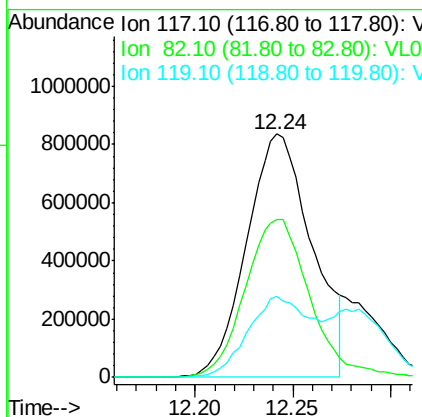
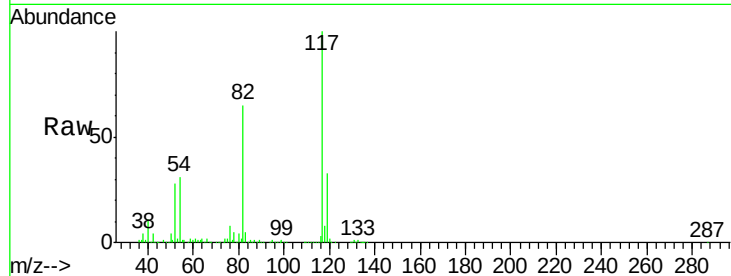
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 1950423
Ion Ratio Lower Upper
117 100
82 64.4 53.4 80.2
119 31.9 27.3 40.9

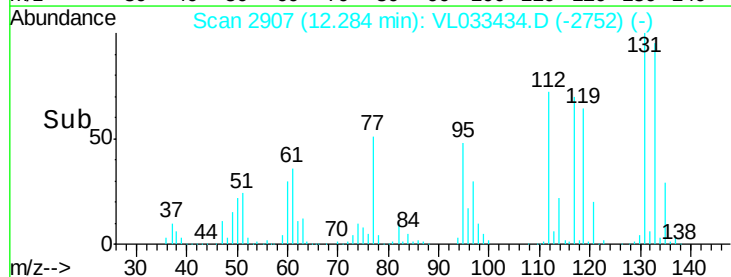
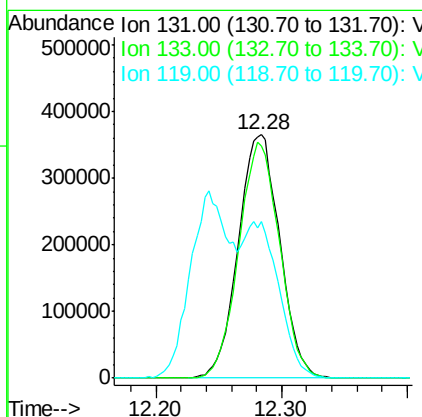
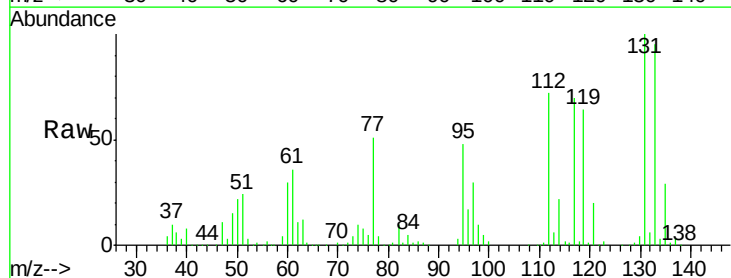
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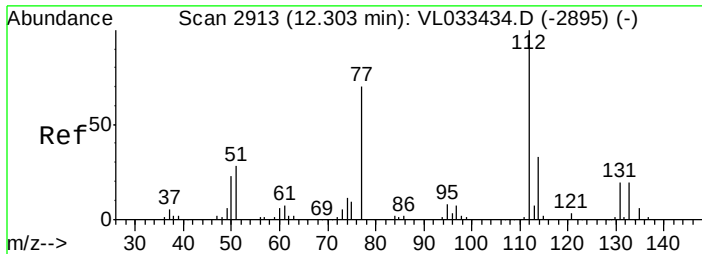
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.606 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion:131 Resp: 838100
Ion Ratio Lower Upper
131 100
133 95.3 76.7 115.1
119 56.3 40.3 60.5





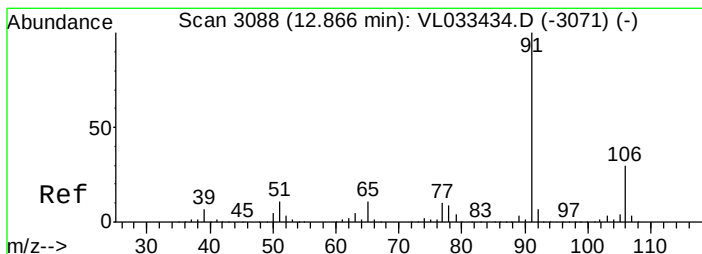
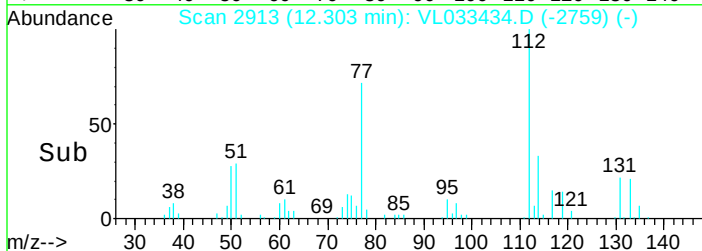
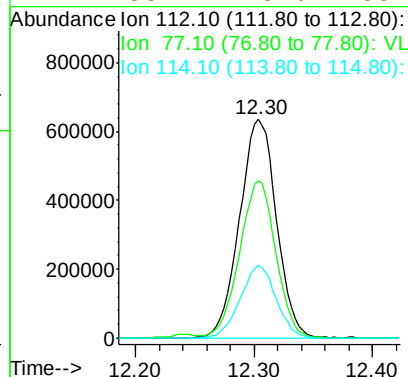
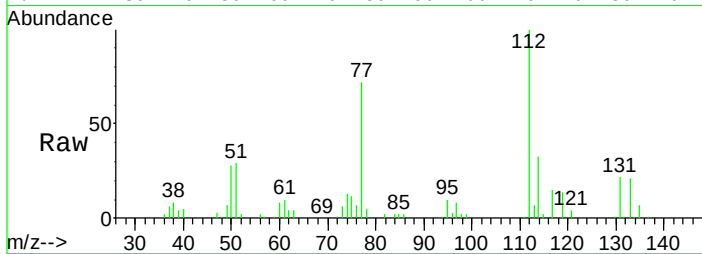
#57
 Chlorobenzene
 Concen: 9.022 ppbv
 RT: 12.30 min Scan# 2913
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:	112	Resp:	1393726
Ion Ratio	Lower	Upper	
112	100		
77	71.6	55.8	83.6
114	33.1	28.6	35.0

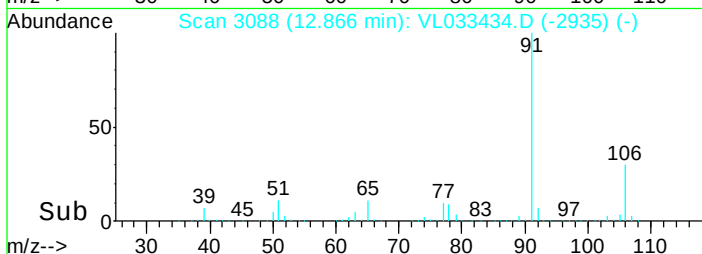
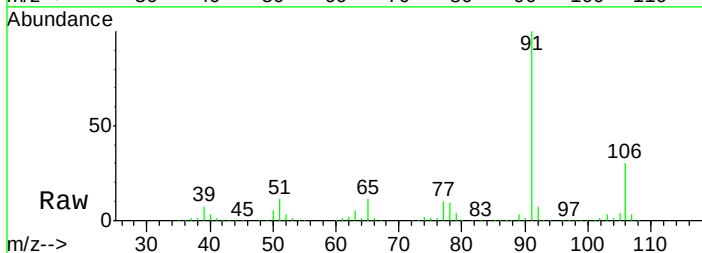
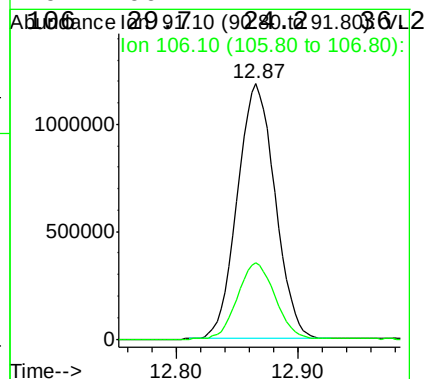
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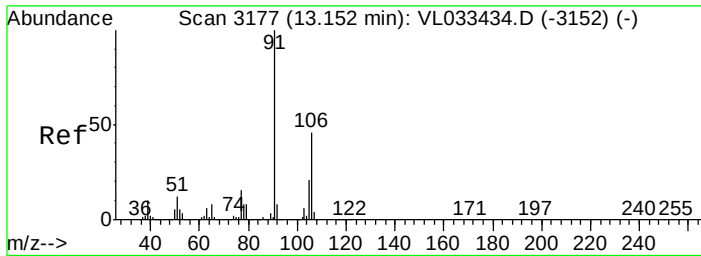
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#58
 Ethyl Benzene
 Concen: 9.384 ppbv
 RT: 12.87 min Scan# 3088
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion:	91	Resp:	2589305
Ion Ratio	Lower	Upper	
91	100		
106	29.7	24.2	36.2





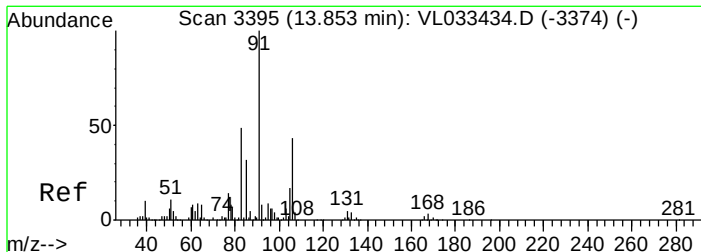
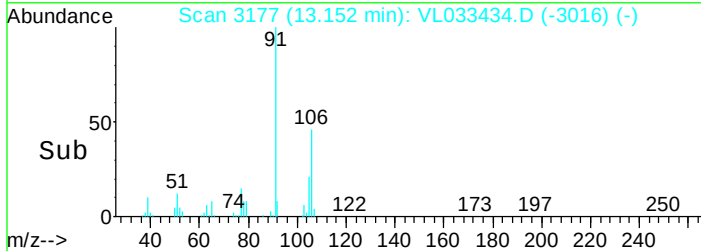
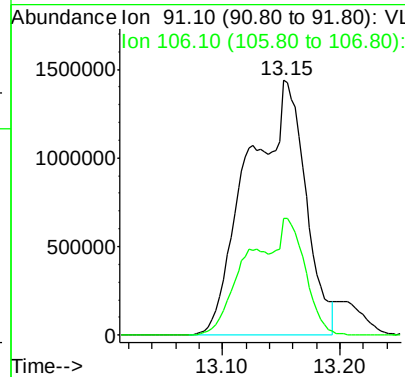
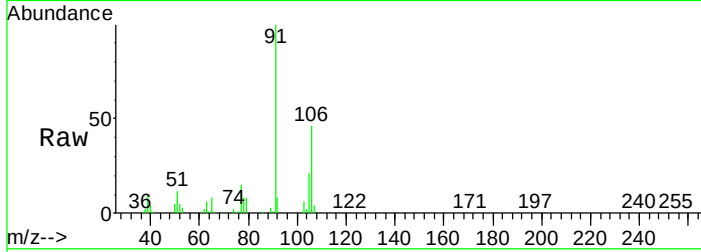
#59
m/p-Xylene
Concen: 20.621 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 4889670
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

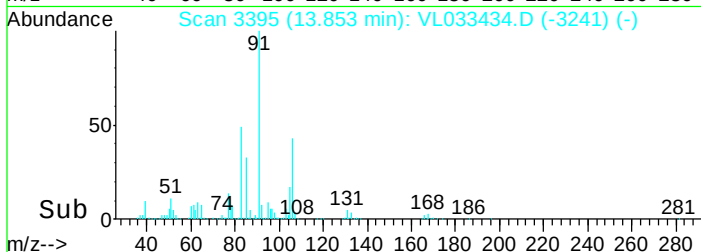
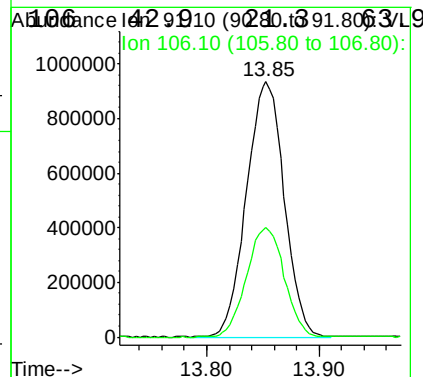
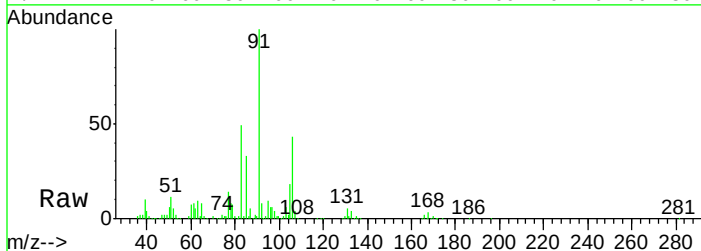
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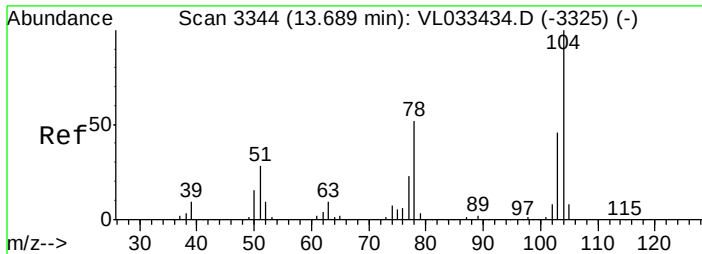
MMDadoda
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#60
o-Xylene
Concen: 9.410 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion: 91 Resp: 2176695
Ion Ratio Lower Upper
91 100





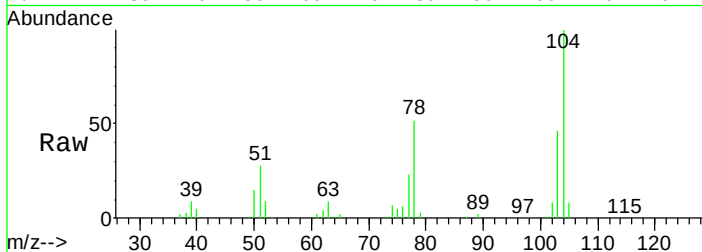
#61
Styrene
Concen: 10.001 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

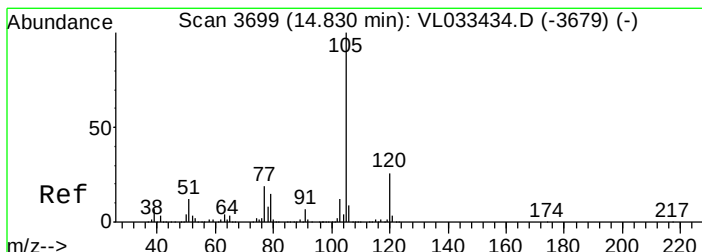
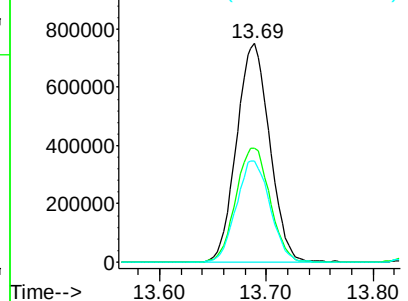
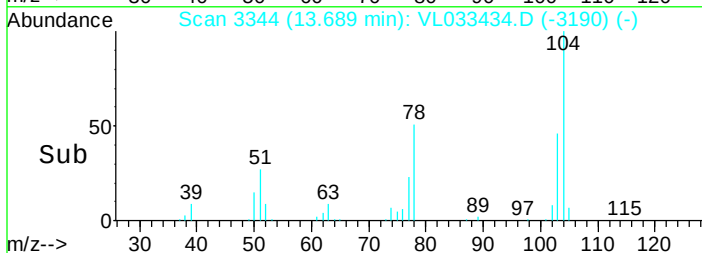
Tgt Ion:104 Resp: 1619848
Ion Ratio Lower Upper
104 100
78 54.0 42.7 64.1
103 47.3 38.0 57.0

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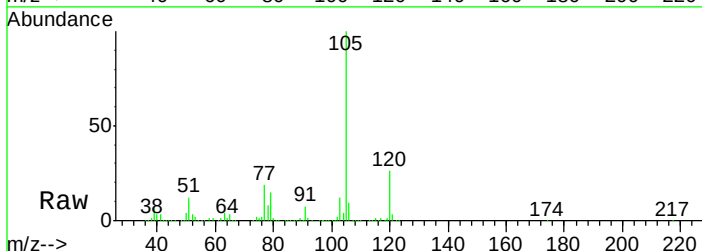


Abundance Ion 104.10 (103.80 to 104.80):
Ion 78.10 (77.80 to 78.80): VL
Ion 103.10 (102.80 to 103.80):

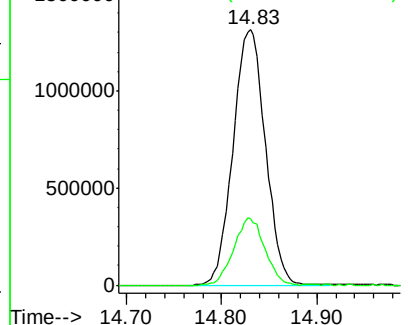
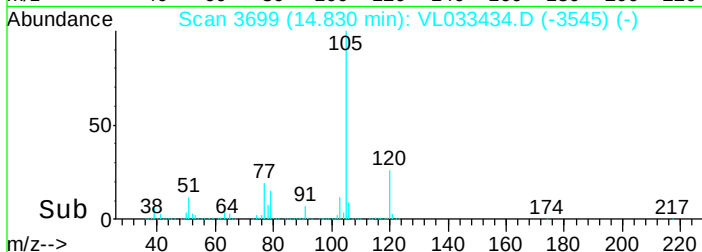


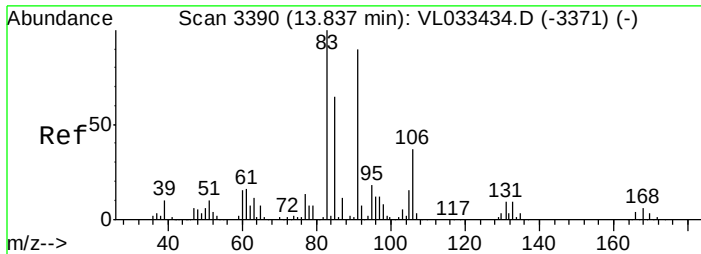
#62
Isopropylbenzene
Concen: 9.628 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion:105 Resp: 3096361
Ion Ratio Lower Upper
105 100
120 25.0 19.9 29.9



Abundance Ion 120.10 (119.80 to 120.40):
Ion 120.20 (119.90 to 120.90):





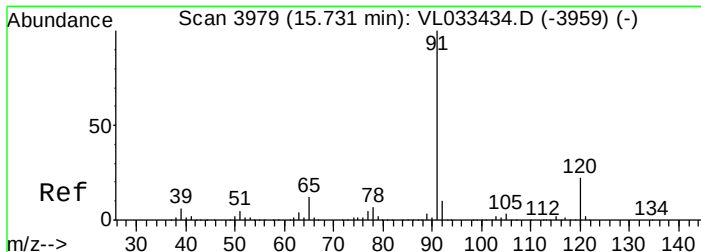
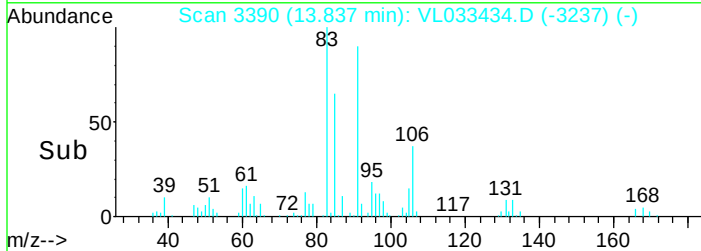
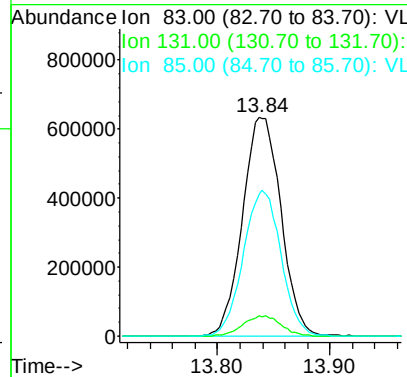
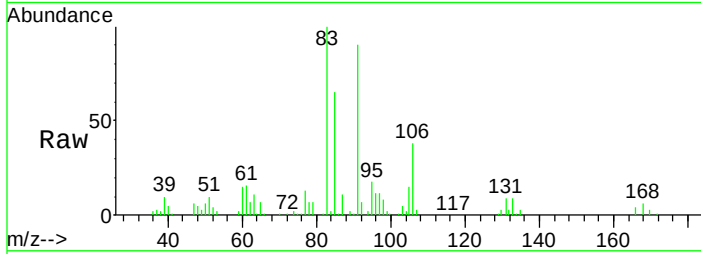
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.031 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 83 Resp: 1510203
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.4 32.5 97.4

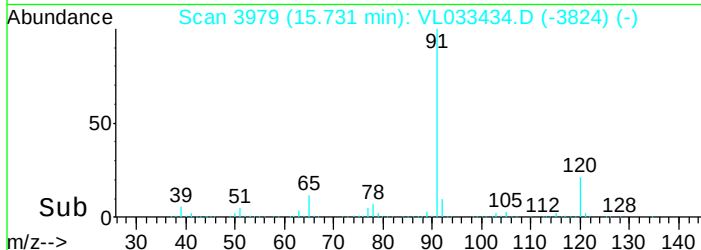
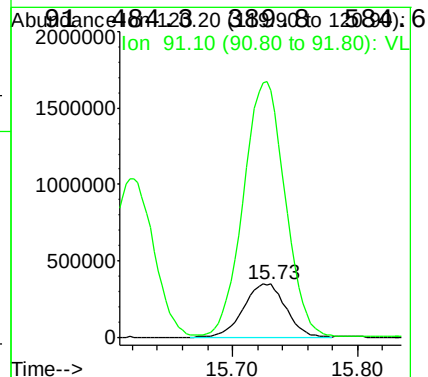
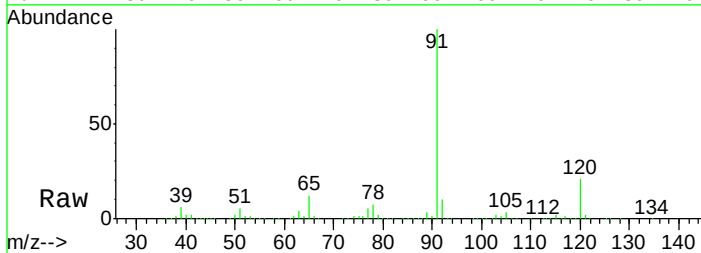
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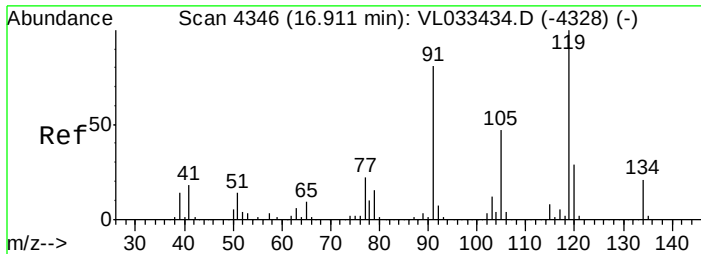
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#64
 n-propylbenzene
 Concen: 9.877 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion: 120 Resp: 803759
 Ion Ratio Lower Upper
 120 100





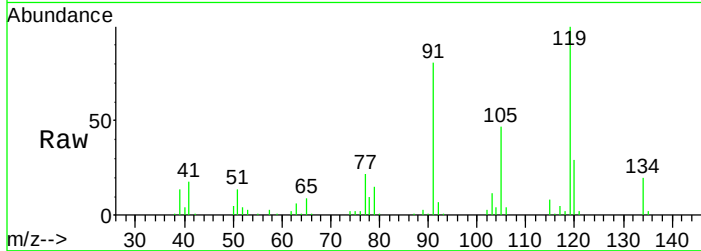
#65
 tert-Butylbenzene
 Concen: 9.405 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

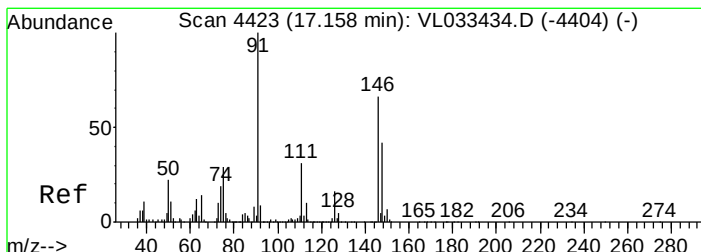
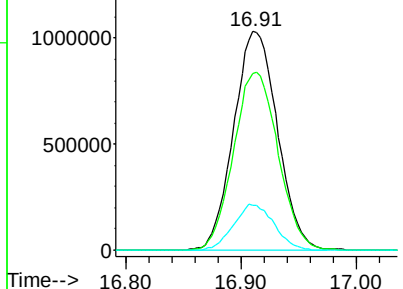
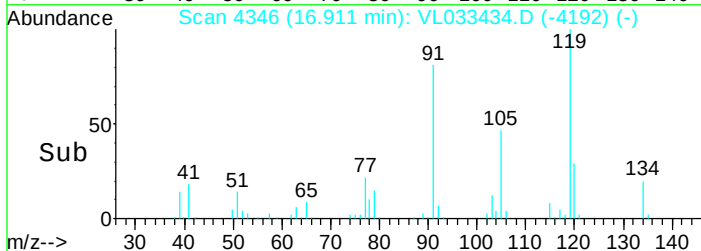
Tot Ion:119 Resp: 2722994
 Ion Ratio Lower Upper
 119 100
 91 83.0 67.2 100.8
 134 19.4 15.4 23.2

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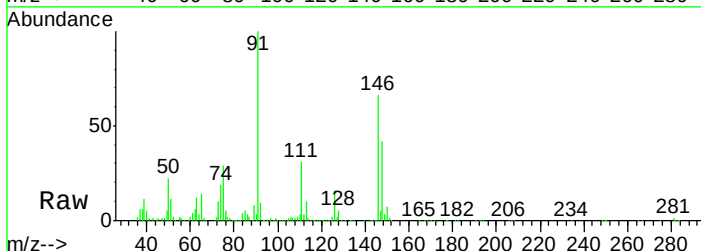


Abundance Ion 119.20 (118.90 to 119.90):
 Ion 91.10 (90.80 to 91.80): VL
 Ion 134.20 (133.90 to 134.90):

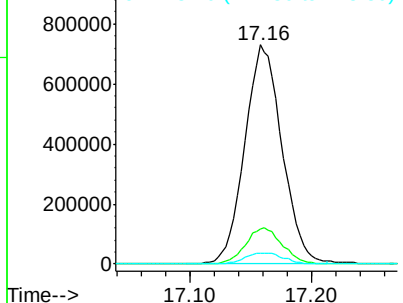
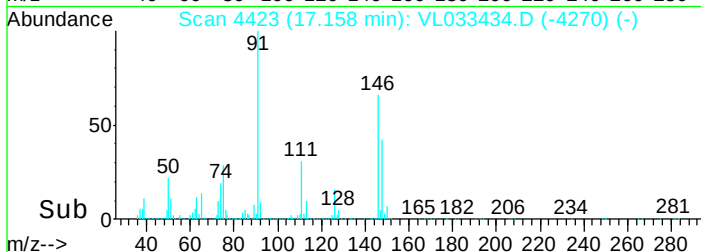


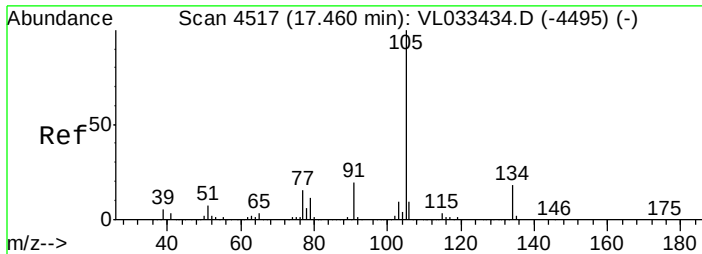
#66
 Benzyl Chloride
 Concen: 13.062 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion: 91 Resp: 1562878
 Ion Ratio Lower Upper
 91 100



Abundance Ion 17.16 (17.10 to 17.22):
 Ion 126.10 (125.80 to 126.80): VL
 Ion 128.10 (127.80 to 128.80):





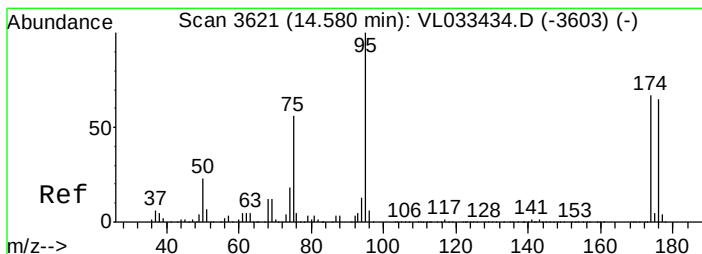
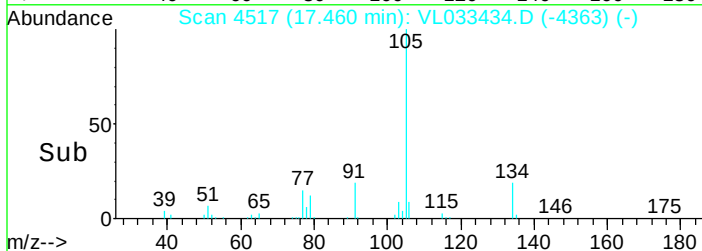
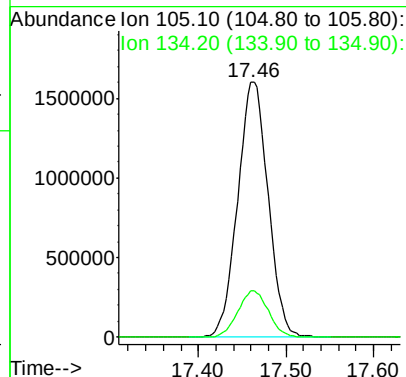
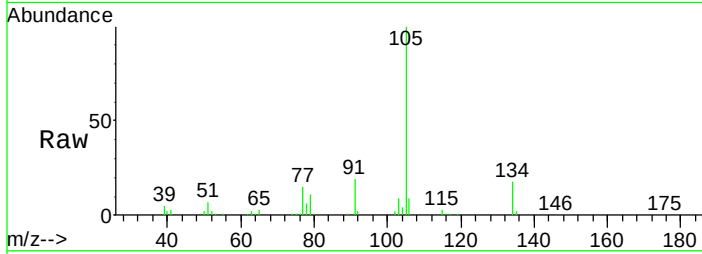
#67
 sec-Butylbenzene
 Concen: 9.457 ppbv
 RT: 17.46 min Scan# 4517
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 105 Resp: 3879849
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.2 21.4

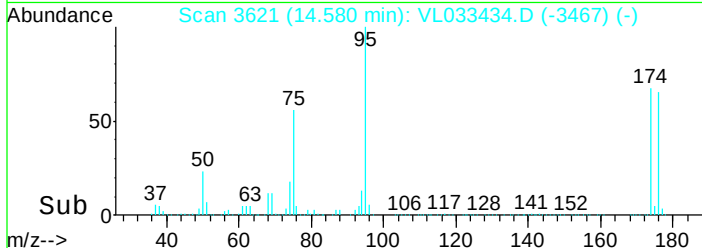
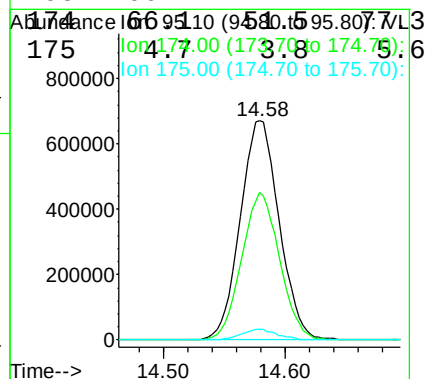
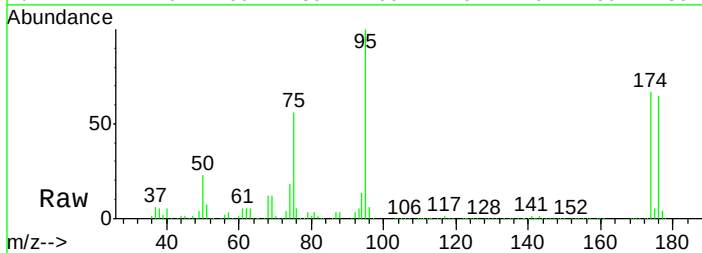
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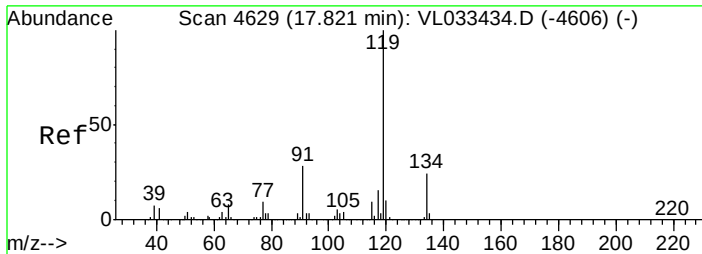
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.407 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion: 95 Resp: 1504118
 Ion Ratio Lower Upper
 95 100





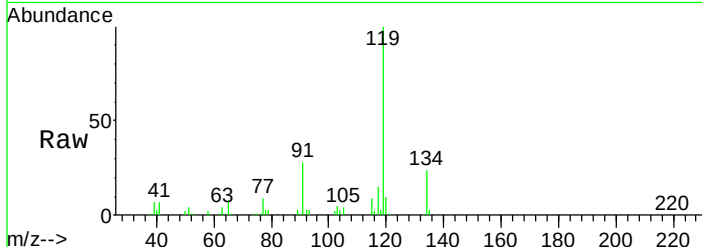
#69
 p-Isopropyltoluene
 Concen: 9.719 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

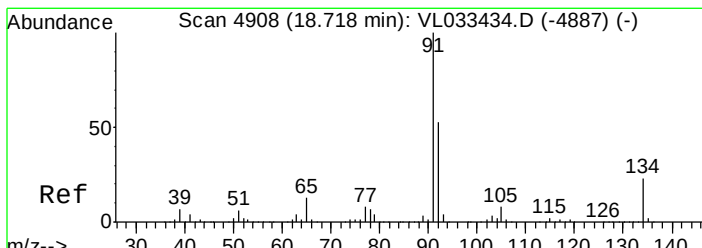
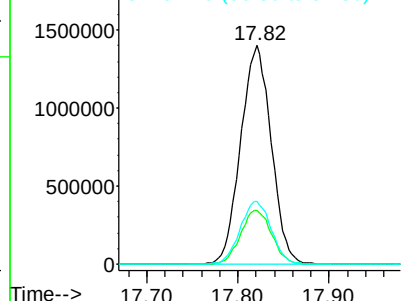
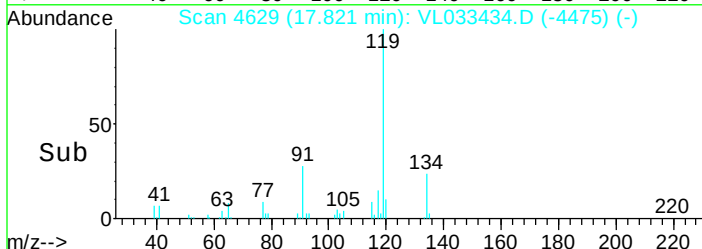
Tot Ion:119 Resp: 3257720
 Ion Ratio Lower Upper
 119 100
 134 24.9 19.8 29.6
 91 29.2 23.4 35.2

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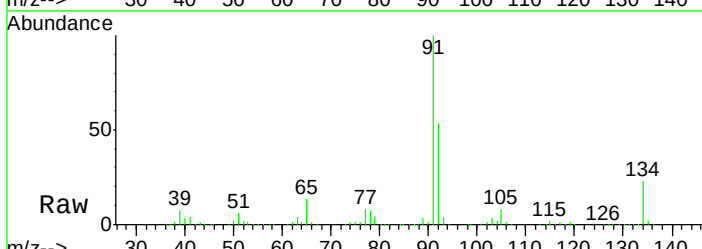


Abundance Ion 119.10 (118.80 to 119.80):
 Ion 134.20 (133.90 to 134.90):
 Ion 91.10 (90.80 to 91.80): VL

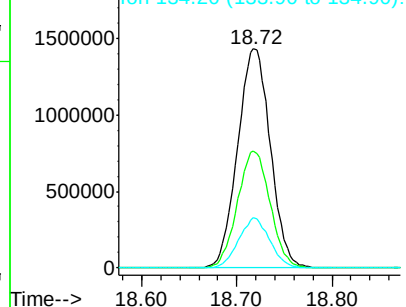
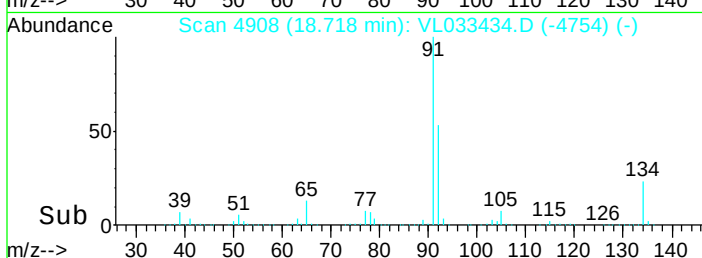


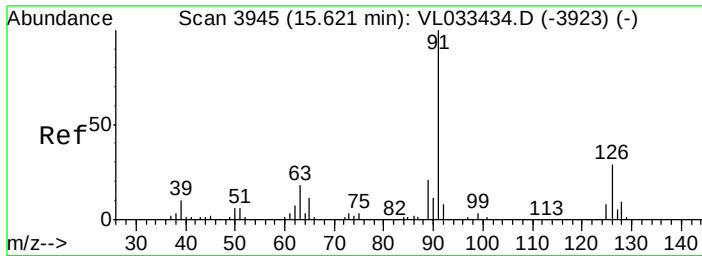
#70
 n-Butylbenzene
 Concen: 9.602 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Tgt Ion: 91 Resp: 3432038
 Ion Ratio Lower Upper
 91 100



Abundance Ion 91.10 (90.80 to 91.80): VL
 Ion 134.20 (133.90 to 134.90):
 Ion 65.10 (64.80 to 65.40): VL





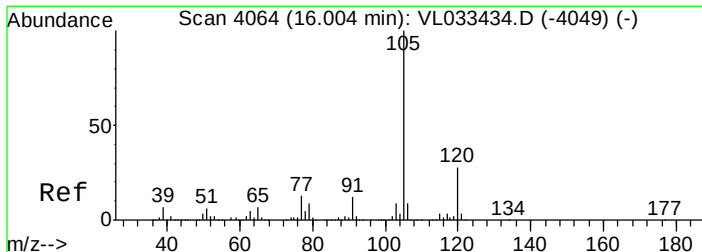
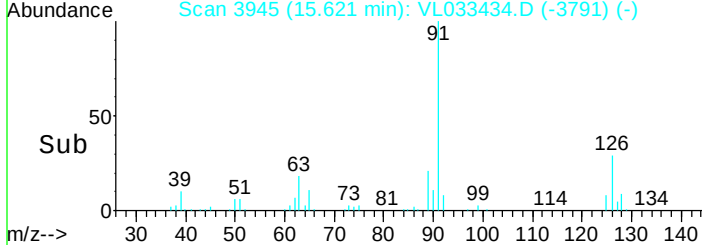
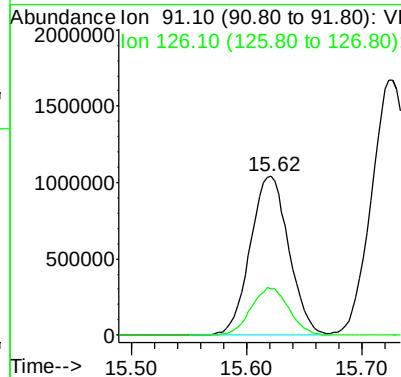
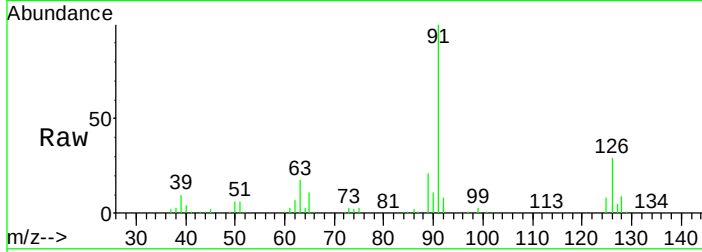
#71
2-Chlorotoluene
Concen: 9.681 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2423641
Ion Ratio Lower Upper
91 100
126 29.3 11.6 46.6

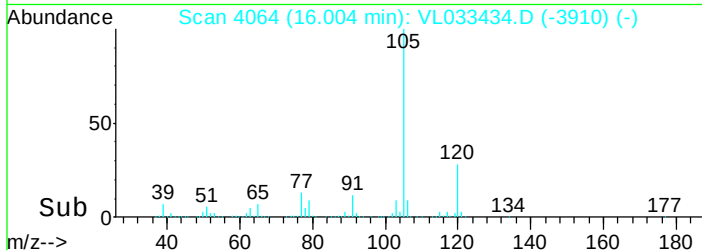
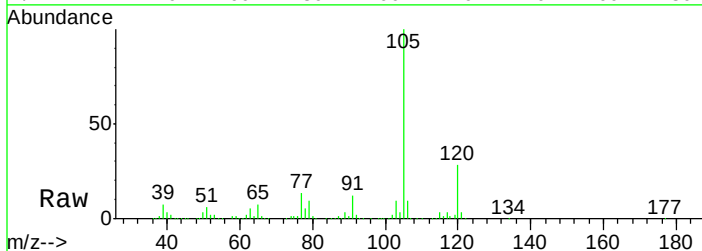
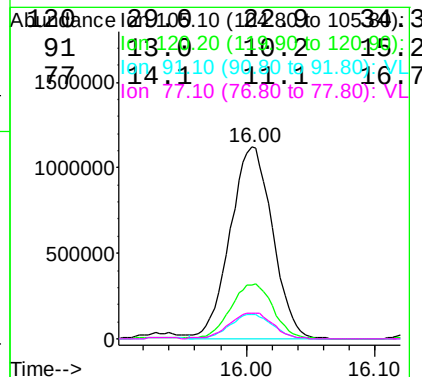
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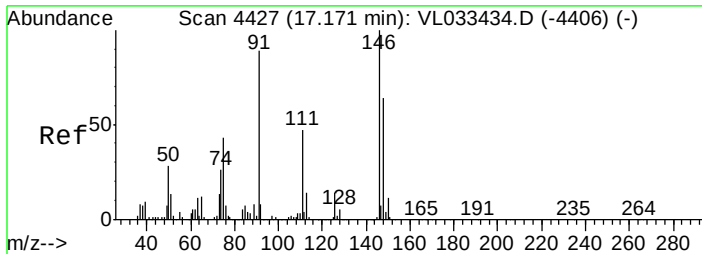
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#72
4-Ethyltoluene
Concen: 9.679 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

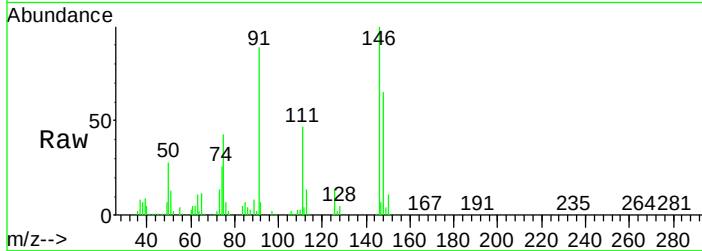
Tgt Ion: 105 Resp: 2542648
Ion Ratio Lower Upper
105 100





#75
 1,3-Dichlorobenzene
 Concen: 9.248 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

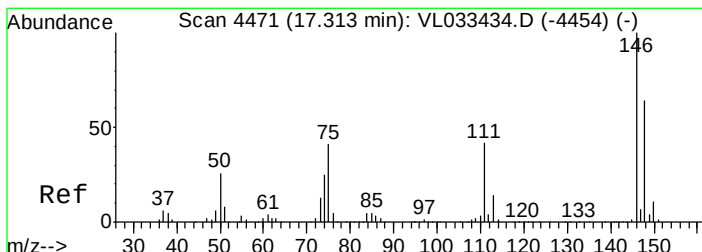
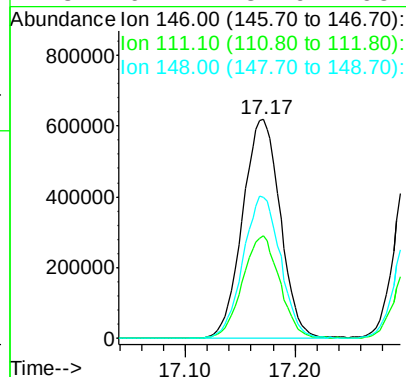
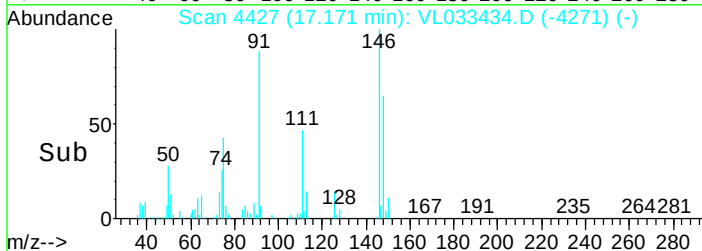
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



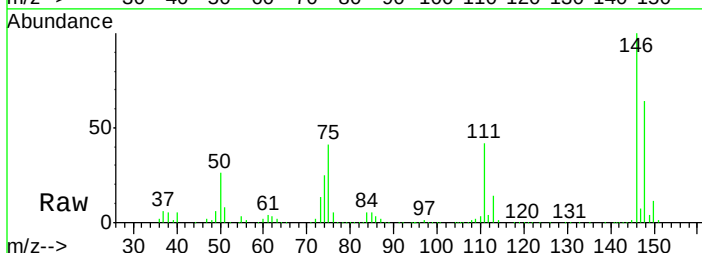
Tgt Ion:146 Resp: 1477382
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.8 68.3
 148 64.1 31.9 95.7

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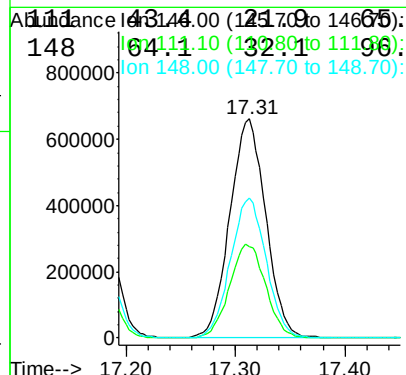
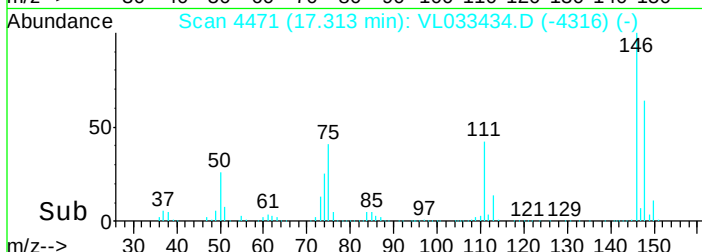
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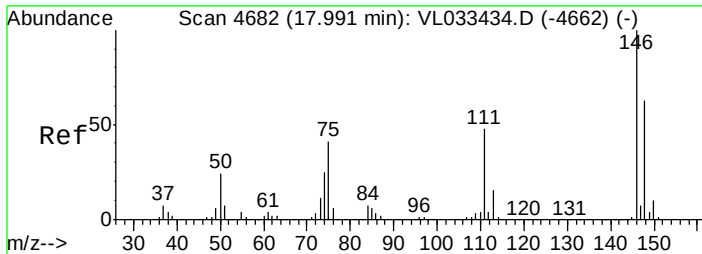


#76
 1,4-Dichlorobenzene
 Concen: 9.695 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28



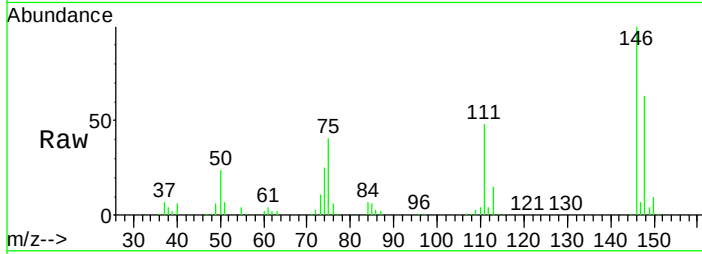
Tgt Ion:146 Resp: 1499445
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.9 65.7
 148 64.1 32.1 96.5





#77
 1,2-Dichlorobenzene
 Concen: 9.715 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

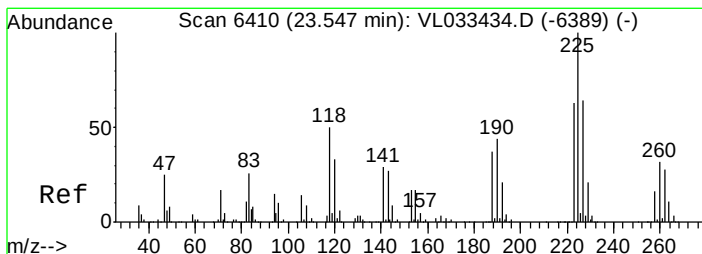
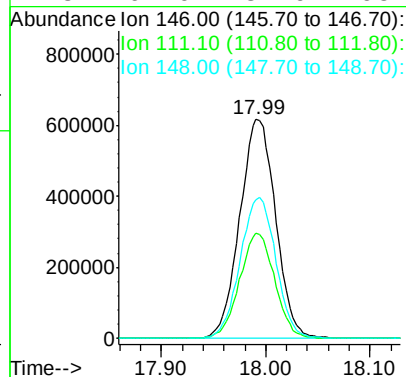
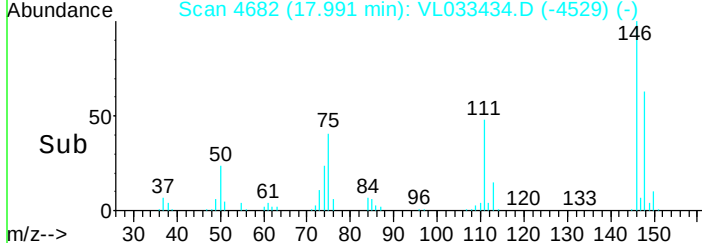
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



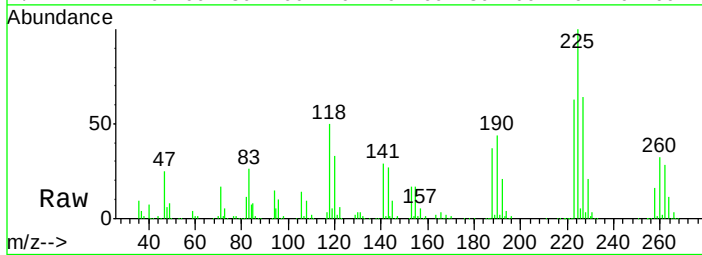
Tgt Ion:146 Resp: 1469874
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.6
 148 64.0 31.9 95.9

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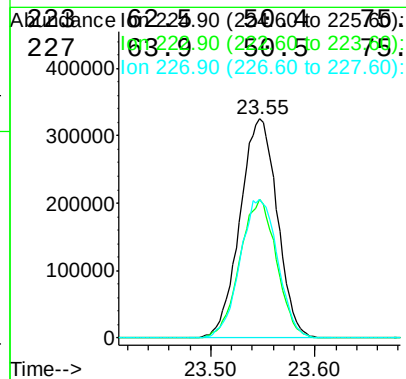
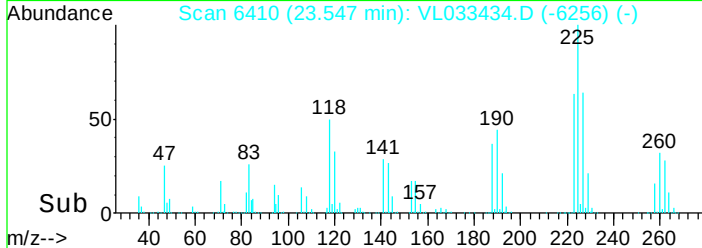
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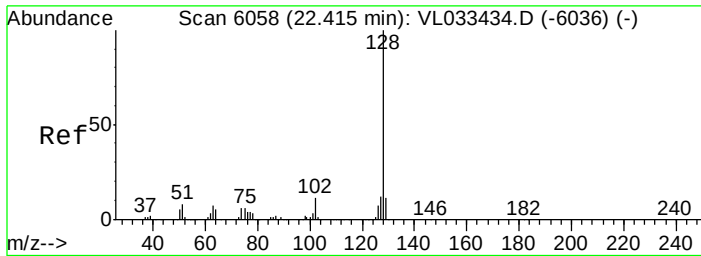


#78
 Hexachloro-1,3-Butadiene
 Concen: 8.915 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28



Tgt Ion:225 Resp: 808633
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.4 75.6
 227 63.9 50.5 79.7





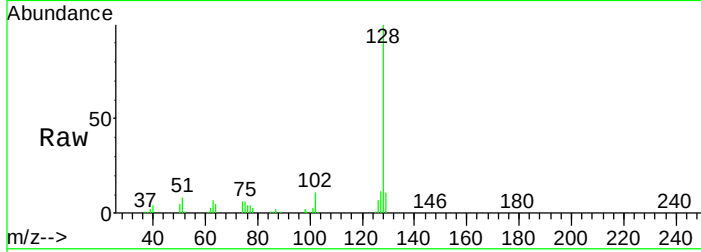
#79
Naphthalene
Concen: 9.674 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

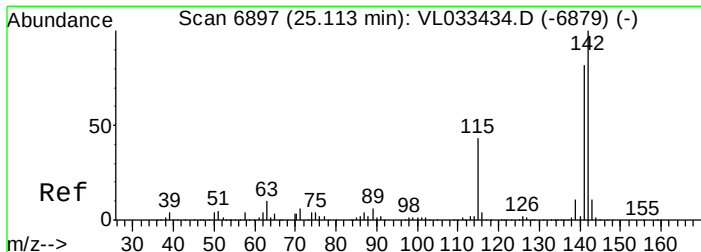
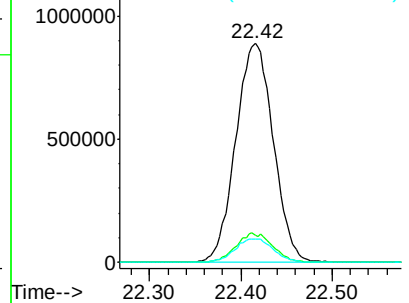
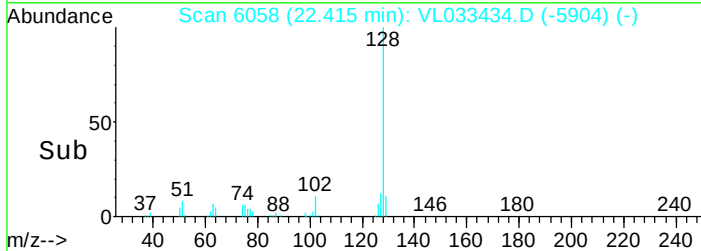
Tot Ion:128 Resp: 2526679
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 10.7 8.2 12.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:22:23 AM

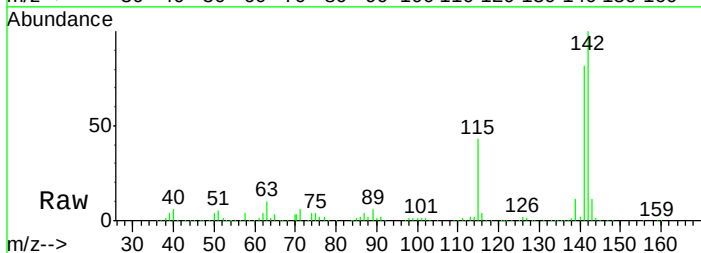


Abundance Ion 128.10 (127.80 to 128.80):
Ion 127.10 (126.80 to 127.80):
Ion 129.10 (128.80 to 129.80):

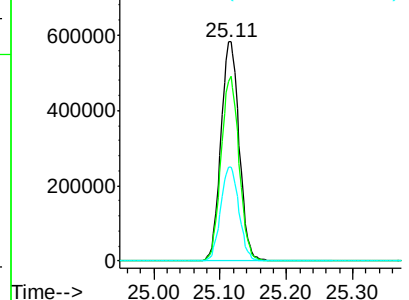
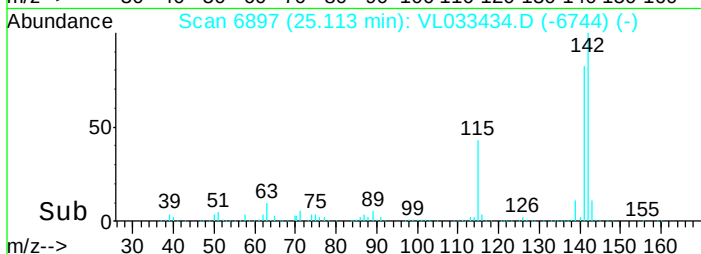


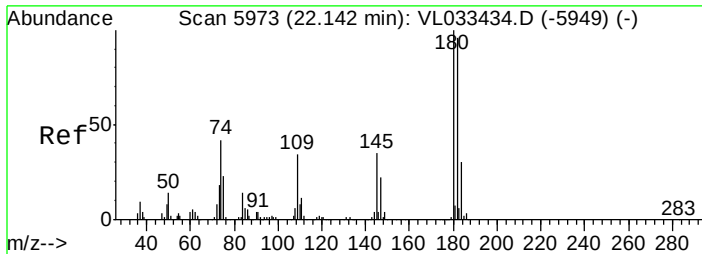
#80
Naphthalene, 2-methyl-
Concen: 8.996 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.01 min
Lab File: VL033434.D
Acq: 25 Mar 2019 10:28

Tgt Ion:142 Resp: 1114199
Ion Ratio Lower Upper
142 100
141 83.2 67.1 100.7
115 43.6 33.8 50.6



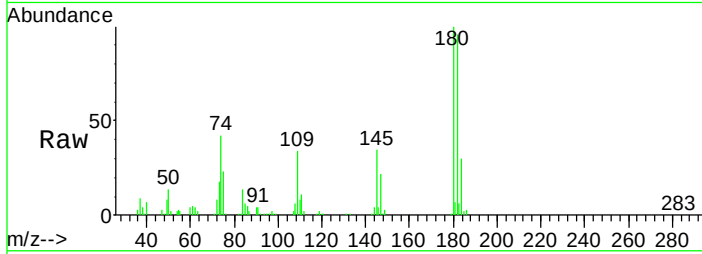
Abundance Ion 141.00 (137.70 to 144.30):
Ion 142.00 (138.70 to 141.50):
Ion 115.00 (114.70 to 115.70):





#81
 1,2,4-Trichlorobenzene
 Concen: 9.644 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033434.D
 Acq: 25 Mar 2019 10:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tot Ion:180 Resp: 1284456

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
184	30.7	24.6	37.0

Manual Integrations
 APPROVED
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 4/1/2019 1:22:23 AM

