

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012819\
 Data File : VL033114.D
 Acq On : 28 Jan 2019 15:41
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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 1/29/2019 2:35:55 PM

Quant Time: Jan 28 16:28:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.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	5.76	49	1785710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	4365855	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	4537837m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	3281808	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	2158719	6.496	ppbv 100
3) Chlorodifluoromethane	3.01	51	1243126	6.150	ppbv 100
4) Chloromethane	3.17	50	687357	5.937	ppbv 100
5) Vinyl Chloride	3.29	62	741506	6.342	ppbv 99
6) Bromomethane	3.51	94	480013	6.043	ppbv 96
7) Chloroethane	3.60	64	277499	6.069	ppbv 99
8) Dichlorotetrafluoroethane	3.22	85	1815587	6.343	ppbv 100
9) Propene	3.04	41	519206	6.876	ppbv 99
10) Heptane	8.25	43	2128480	9.900	ppbv 100
11) Trichlorofluoromethane	4.00	101	1923136	5.237	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1948987	8.394	ppbv 99
13) Ethanol	3.65	45	136997	4.549	ppbv 95
14) Bromoethene	3.79	108	605855	5.908	ppbv 99
15) Acetone	3.90	43	1221917	4.944	ppbv 100
16) 1,3-Butadiene	3.36	39	557601	5.982	ppbv 92
17) tert-Butyl alcohol	4.35	59	315106	6.018	ppbv 99
18) 1,1-Dichloroethene	4.35	96	613289	5.734	ppbv 99
19) Isopropyl Alcohol	4.02	45	899795	5.288	ppbv 100
20) Methylene Chloride	4.41	84	537830	5.220	ppbv 98
21) Allyl Chloride	4.48	41	1014939	6.626	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	907850	8.563	ppbv 97
23) Vinyl Acetate	5.15	43	2951945	9.388	ppbv 99
24) 1,1-Dichloroethane	5.09	63	2272005	8.510	ppbv 100
25) Ethyl Acetate	5.77	43	3612979	8.648	ppbv 100
26) Hexane	5.78	57	1716922	8.728	ppbv 98
27) Carbon Disulfide	4.62	76	2262666	9.326	ppbv 98
28) Methyl tert-Butyl Ether	5.11	73	2783923	9.066	ppbv 100
29) Chloroform	5.85	83	2803273	8.362	ppbv 97
30) Cyclohexane	7.25	84	1434021	9.776	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	1698670	9.299	ppbv 93
32) 1,1,1-Trichloroethane	6.62	97	2838073	8.341	ppbv 99
34) 2-Butanone	5.33	43	2288643	9.022	ppbv 100
35) Carbon Tetrachloride	7.13	117	3008227	8.022	ppbv 99
36) Benzene	7.00	78	3346091	9.356	ppbv 100
37) 1,2-Dichloroethane	6.41	62	2169386	8.688	ppbv 100
38) Trichloroethene	7.96	130	1448519	9.846	ppbv 94
39) 1,2-Dichloropropane	7.74	63	1294932	9.639	ppbv 96
40) 1,4-Dioxane	7.95	88	470814	9.232	ppbv 94
41) Tetrahydrofuran	6.15	42	1308145	10.132	ppbv 99
42) Bromodichloromethane	7.92	83	3068965	8.947	ppbv 97
43) Methyl Methacrylate	8.13	69	1405655	10.475	ppbv 100

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Quant Time: Jan 28 16:28:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012819AIR.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	7.99	57	5835420	9.635	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1905220	11.406	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	2206016	11.571	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	1449612	9.235	ppbv	97
48) Dibromochloromethane	10.45	129	2681598	9.669	ppbv	100
49) Bromoform	13.20	173	2306986	9.521	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	3328801	10.356	ppbv	99
51) 2-Hexanone	10.27	43	2535054	10.900	ppbv	99
52) Tetrachloroethene	11.37	164	1255378	9.931	ppbv	99
53) Toluene	9.95	91	4040267	10.542	ppbv	100
54) 1,2-Dibromoethane	10.76	107	2275049	10.060	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1886559	8.046	ppbv	99
57) Chlorobenzene	12.30	112	3164691	8.355	ppbv	97
58) Ethyl Benzene	12.86	91	5513895	9.624	ppbv	100
59) m/p-Xylene	13.15	91	9399410m	17.734	ppbv	
60) o-Xylene	13.85	91	4538752	8.747	ppbv	99
61) Styrene	13.69	104	3408404	10.295	ppbv	99
62) Isopropylbenzene	14.83	105	6422567	8.698	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	3157329	8.192	ppbv	100
64) n-propylbenzene	15.72	120	1646397	8.777	ppbv	99
65) tert-Butylbenzene	16.91	119	5634771	8.615	ppbv	100
66) Benzyl Chloride	17.16	91	3428779	9.198	ppbv	100
67) sec-Butylbenzene	17.46	105	7976272	8.521	ppbv	99
69) p-Isopropyltoluene	17.81	119	6644772	8.746	ppbv	99
70) n-Butylbenzene	18.72	91	6768881	8.863	ppbv	99
71) 2-Chlorotoluene	15.62	91	4782611	9.133	ppbv	100
72) 4-Ethyltoluene	16.00	105	5232528	9.176	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4979107	8.850	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	5140773	8.250	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	2918140	7.956	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	2892612	8.658	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2821647	8.543	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1284030	5.061	ppbv	100
79) Naphthalene	22.42	128	4309647	8.211	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1578630	9.912	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	2057197	8.114	ppbv	99

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

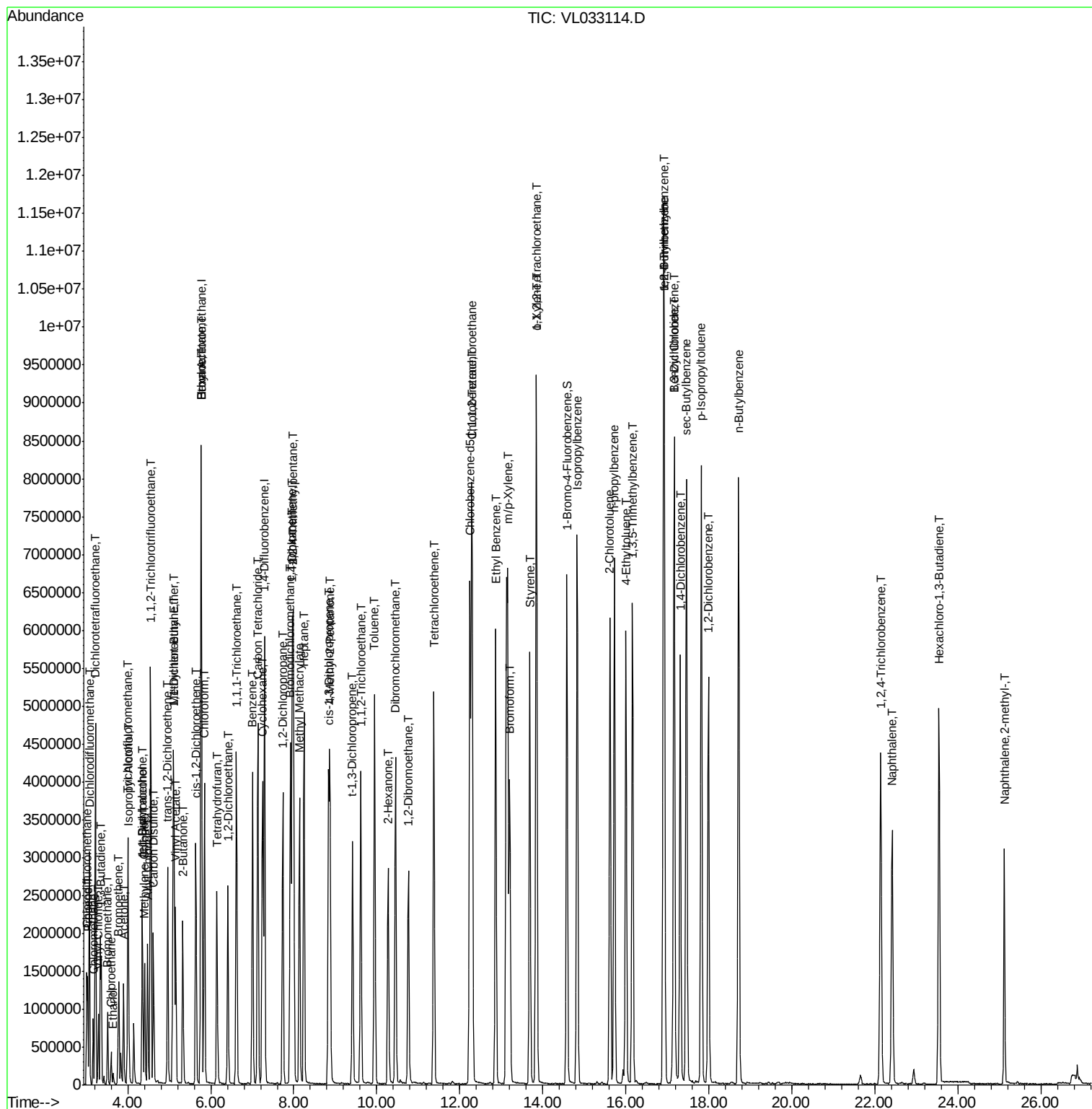
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL012819\
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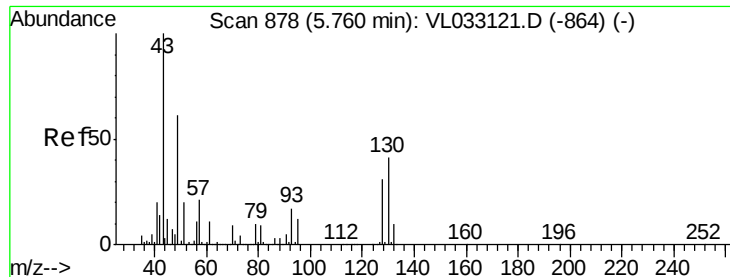
Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan
QLast Update : Fri Jan 04 16:09:05 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: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1785710

Ion Ratio Lower Upper

49 100

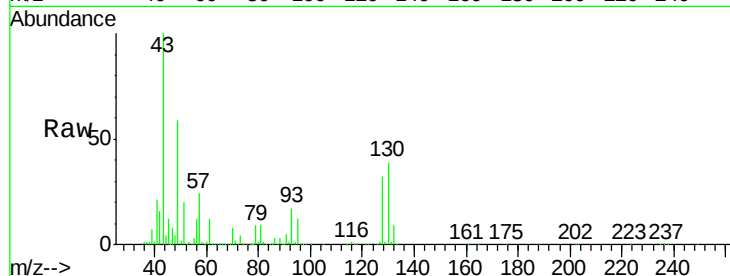
128 51.8 26.2 78.5

130 65.8 33.6 100.6

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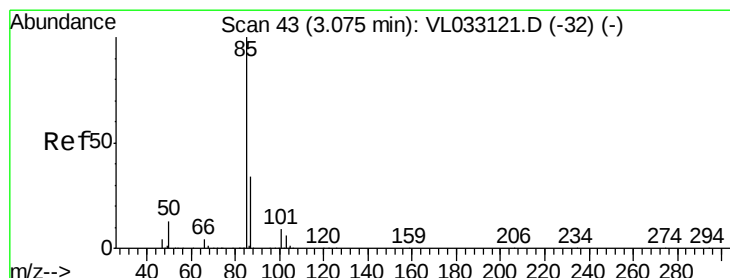
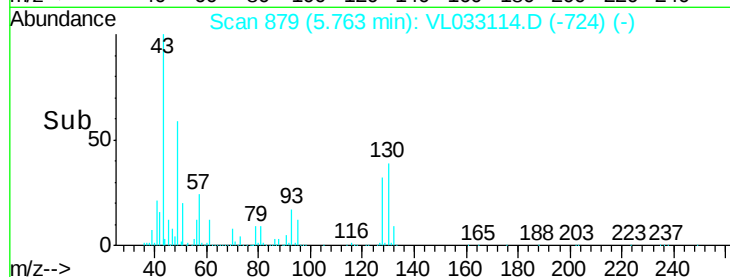
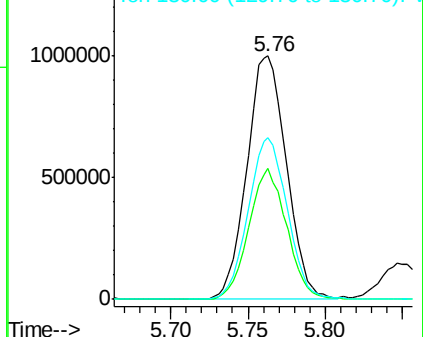
1/29/2019 2:35:55 PM



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: 6.496 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033114.D

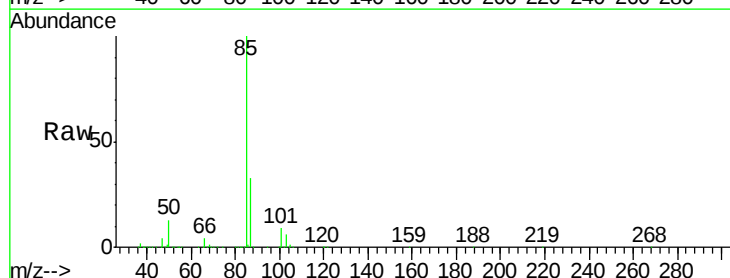
Acq: 28 Jan 2019 15:41

Tgt Ion: 85 Resp: 2158719

Ion Ratio Lower Upper

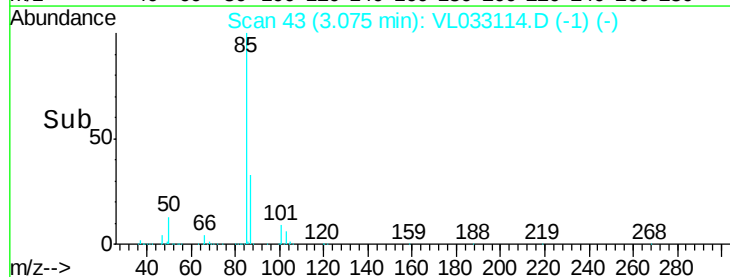
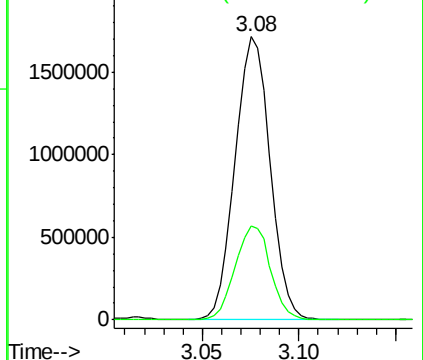
85 100

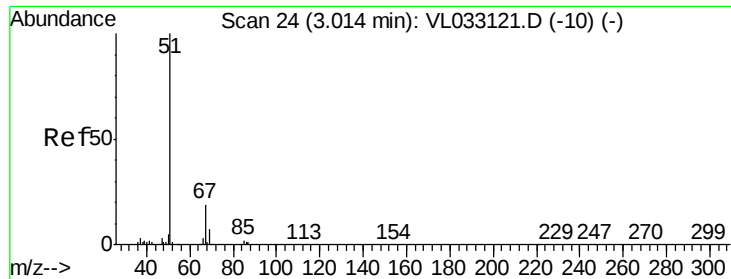
87 33.0 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 6.150 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tot Ion: 51 Resp: 1243126

Ion Ratio Lower Upper

51 100

67 20.2 16.3 24.5

Instrument :

MSVOA_L

ClientSampleId :

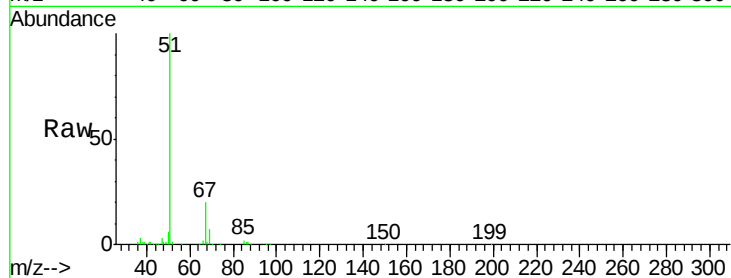
VSTDICCC010

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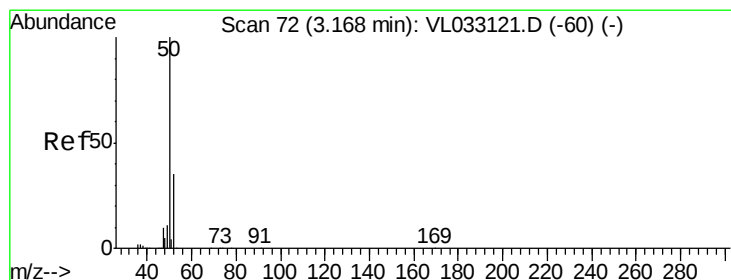
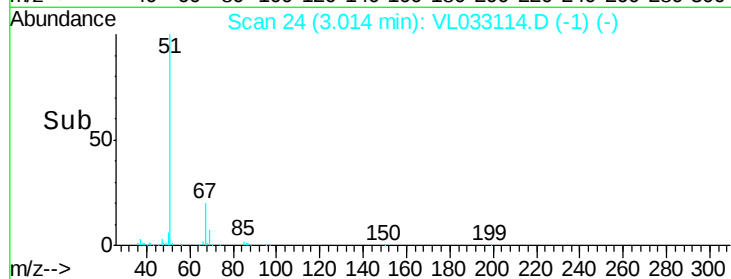
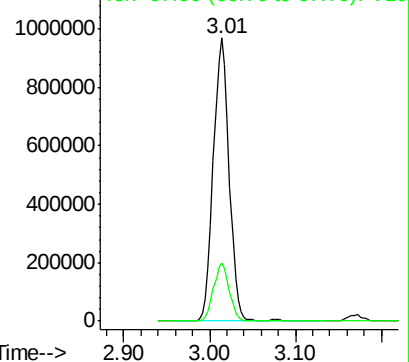
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 5.937 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033114.D

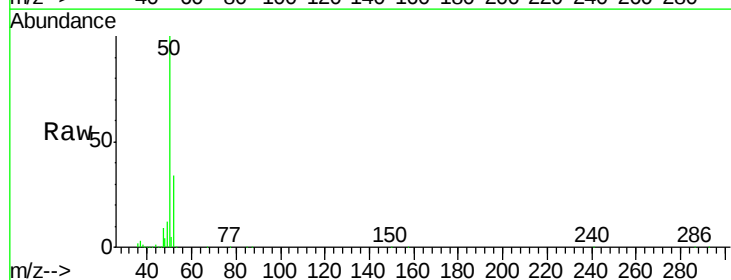
Acq: 28 Jan 2019 15:41

Tgt Ion: 50 Resp: 687357

Ion Ratio Lower Upper

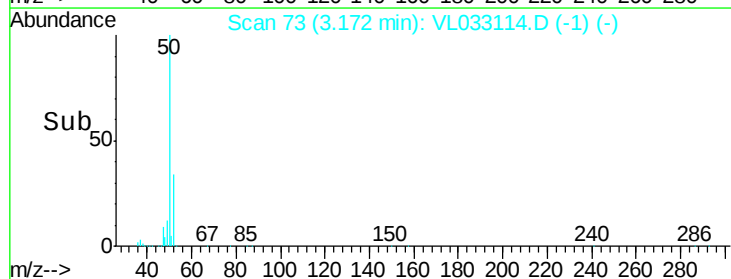
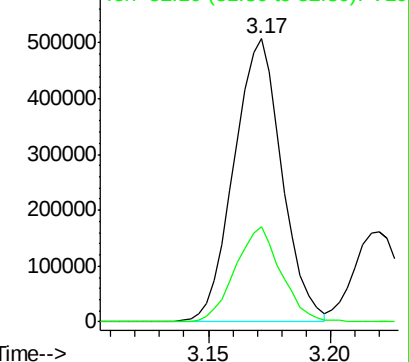
50 100

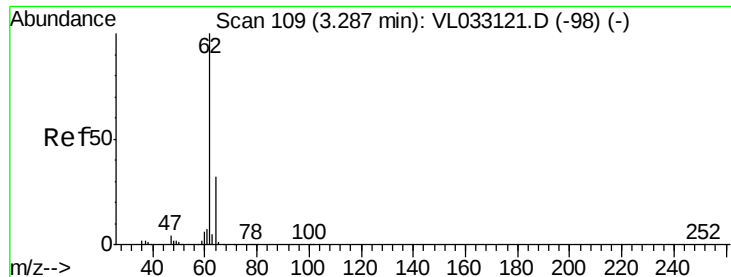
52 33.7 26.9 40.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 6.342 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 741506

Ion Ratio Lower Upper

62 100

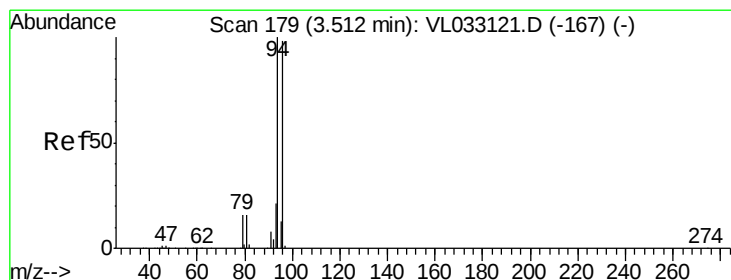
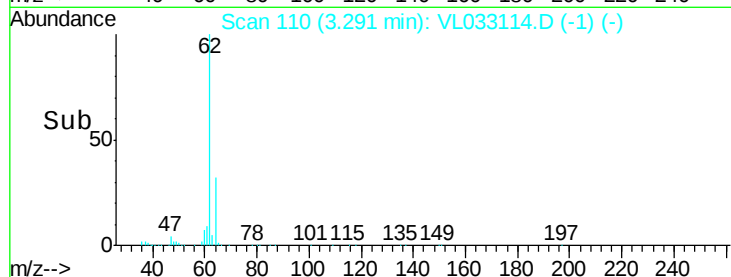
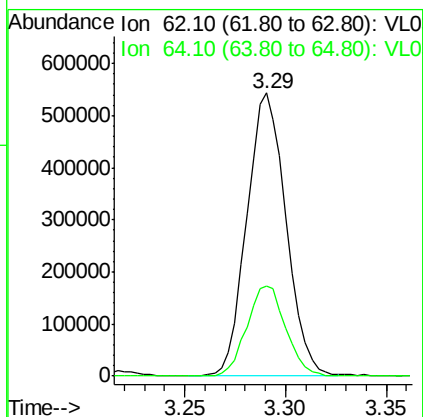
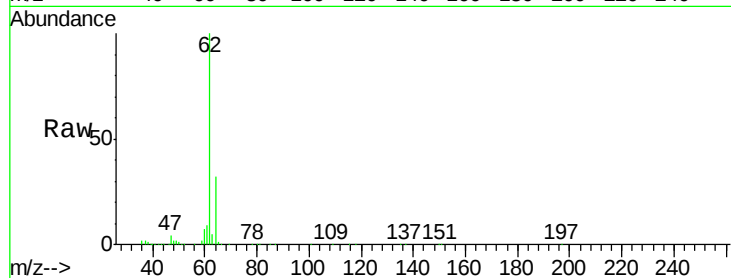
64 32.1 25.3 37.9

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#6

Bromomethane

Concen: 6.043 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033114.D

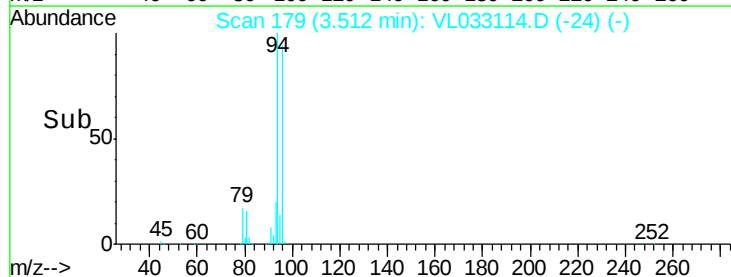
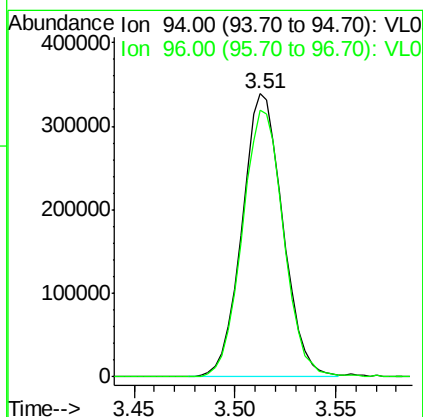
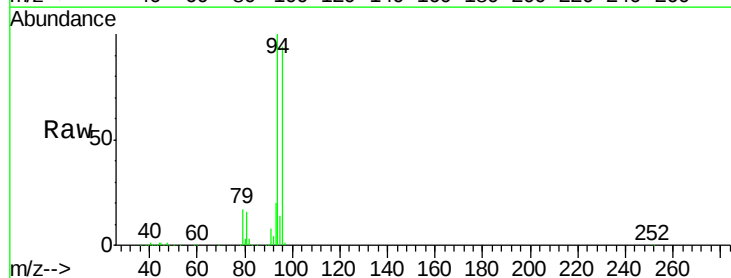
Acq: 28 Jan 2019 15:41

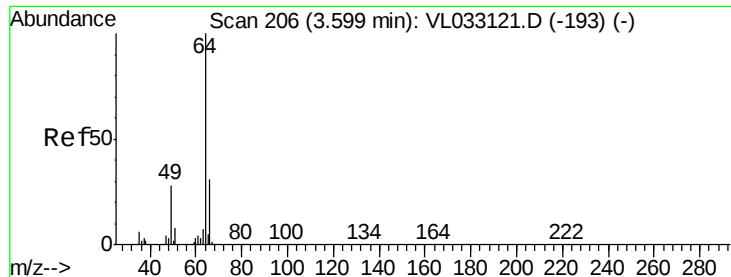
Tgt Ion: 94 Resp: 480013

Ion Ratio Lower Upper

94 100

96 94.3 72.8 109.2





#7

Chloroethane

Concen: 6.069 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 277499

Ion Ratio Lower Upper

64 100

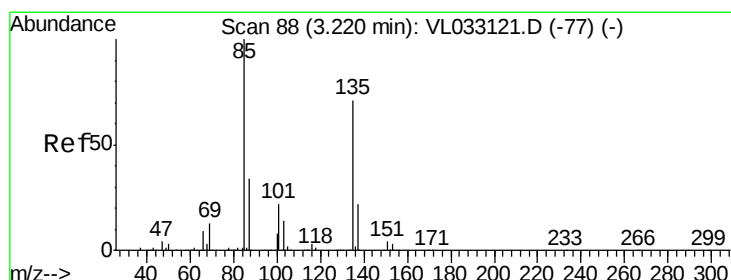
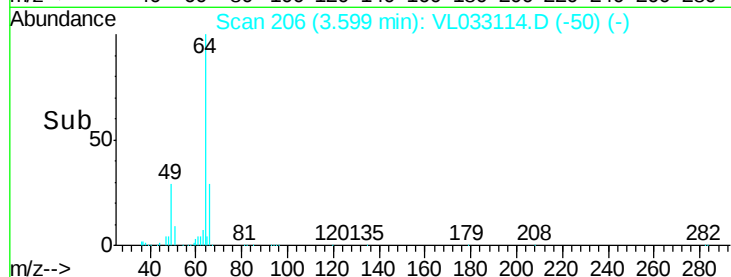
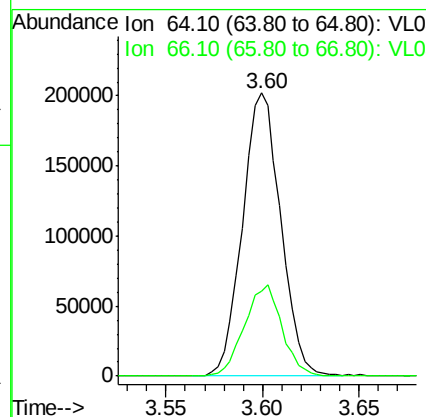
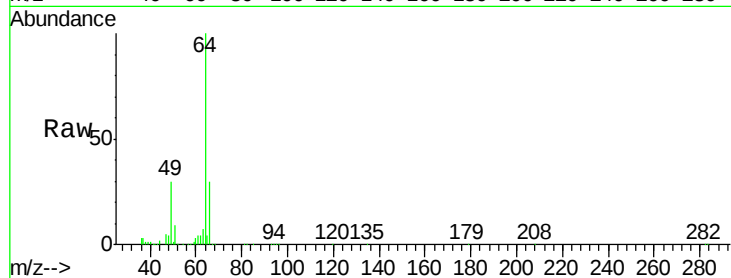
66 30.0 23.7 35.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 6.343 ppbv

RT: 3.22 min Scan# 88

Delta R.T. 0.00 min

Lab File: VL033114.D

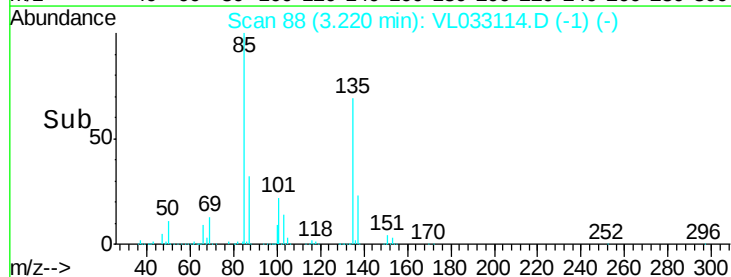
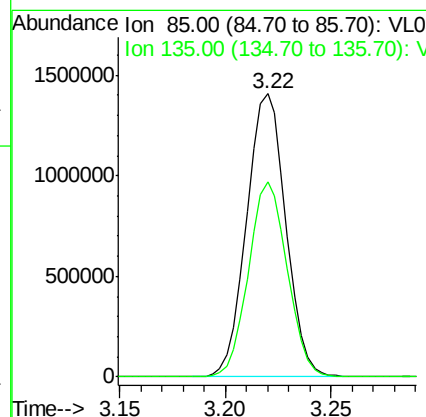
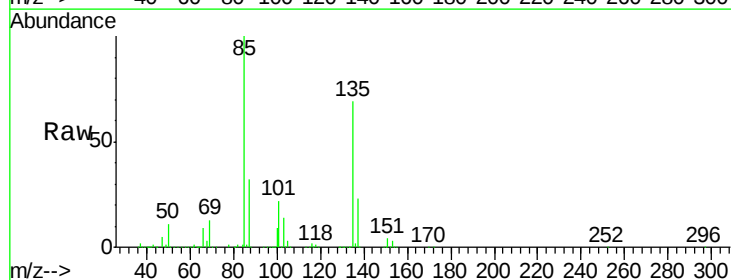
Acq: 28 Jan 2019 15:41

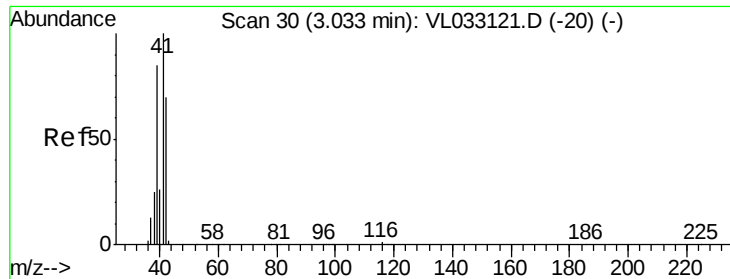
Tgt Ion: 85 Resp: 1815587

Ion Ratio Lower Upper

85 100

135 68.5 54.9 82.3





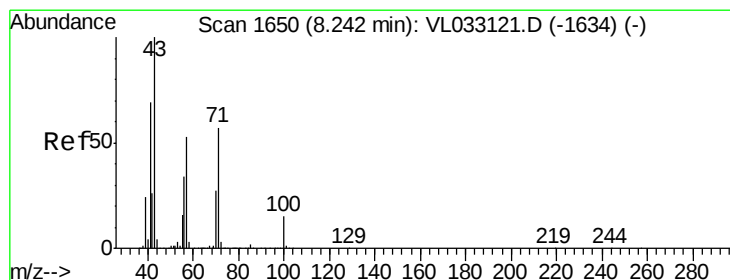
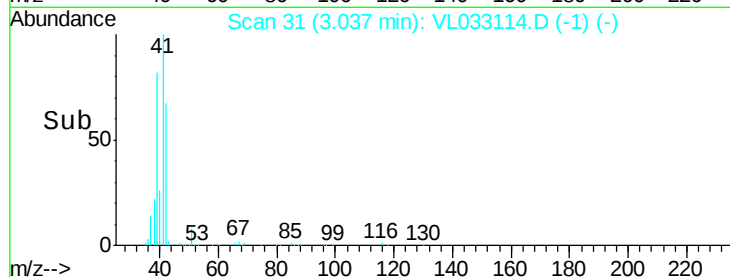
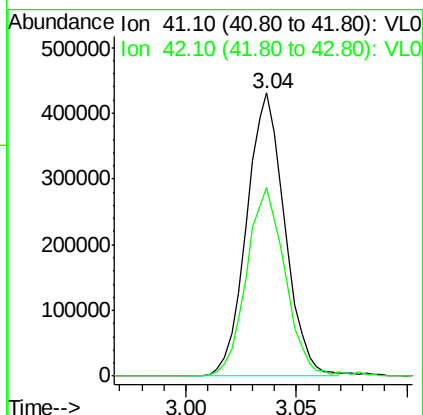
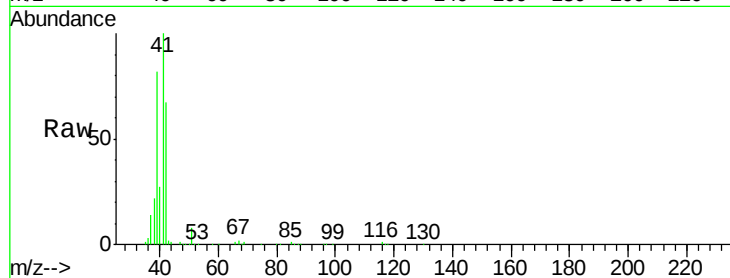
#9
 Propene
 Concen: 6.876 ppbv
 RT: 3.04 min Scan# 31
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 519206
 Ion Ratio Lower Upper
 41 100
 42 68.3 55.3 82.9

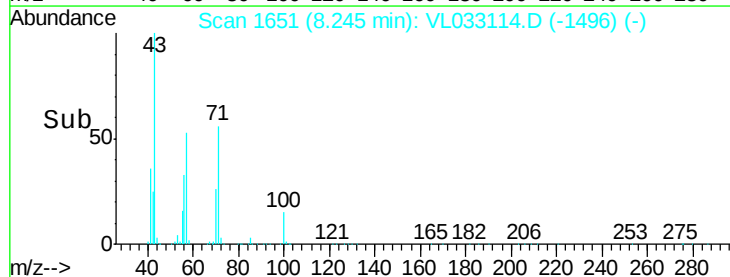
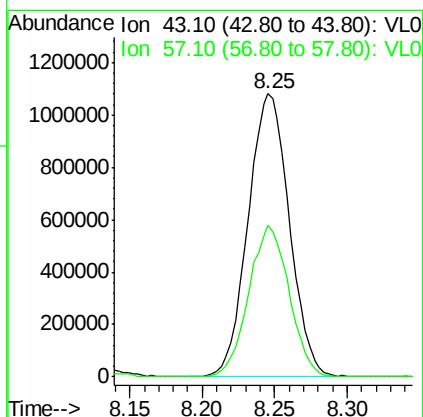
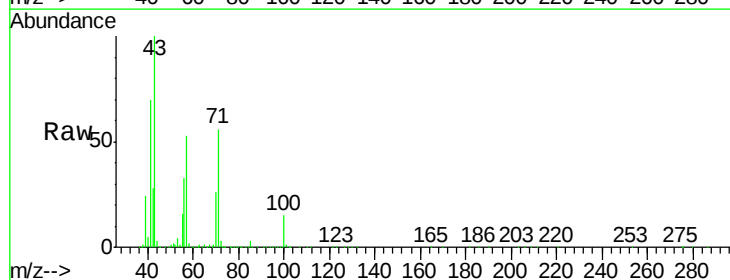
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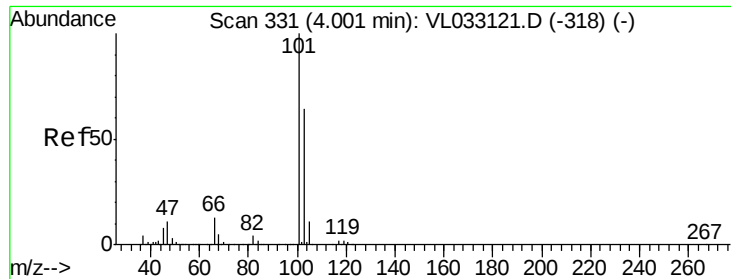
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#10
 Heptane
 Concen: 9.900 ppbv
 RT: 8.25 min Scan# 1651
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 43 Resp: 2128480
 Ion Ratio Lower Upper
 43 100
 57 52.7 41.9 62.9





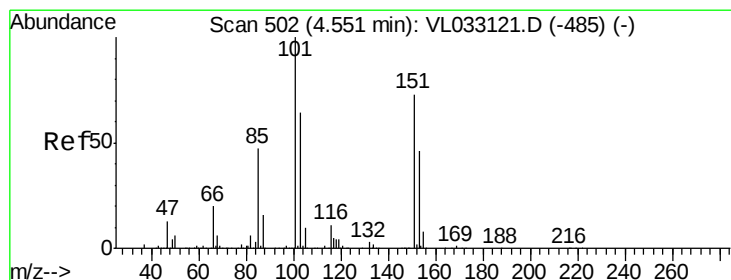
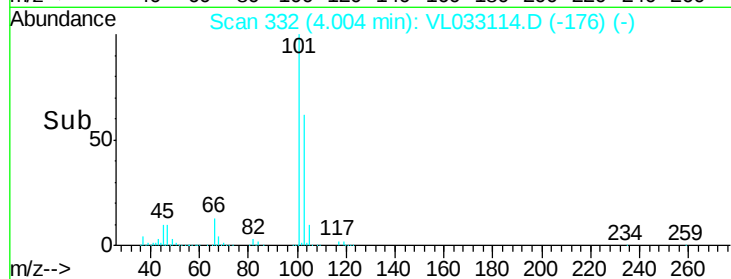
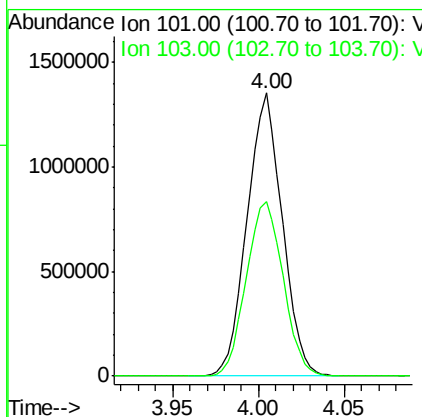
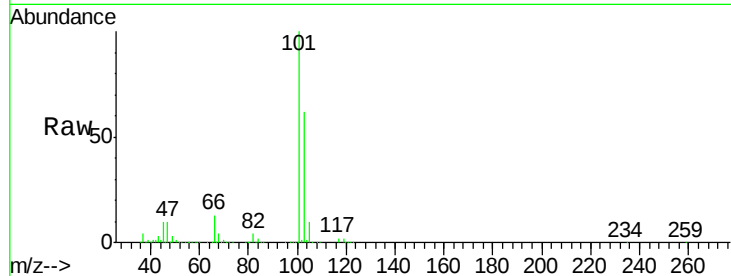
#11
 Trichlorofluoromethane
 Concen: 5.237 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1923136
 Ion Ratio Lower Upper
 101 100
 103 61.7 51.7 77.5

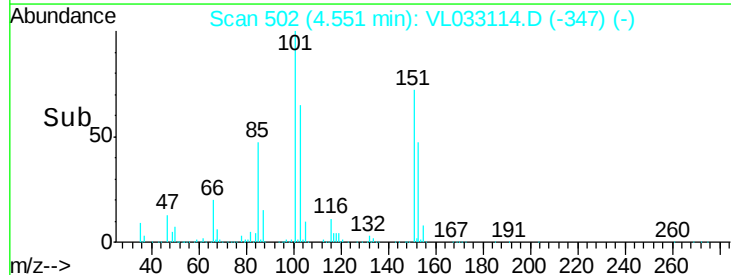
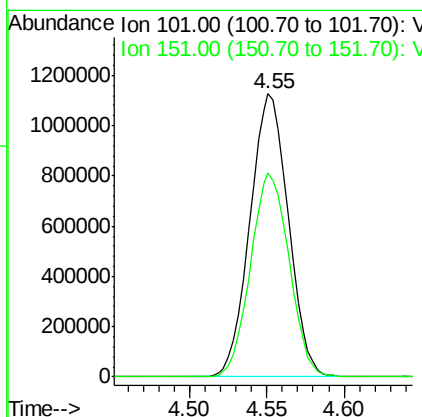
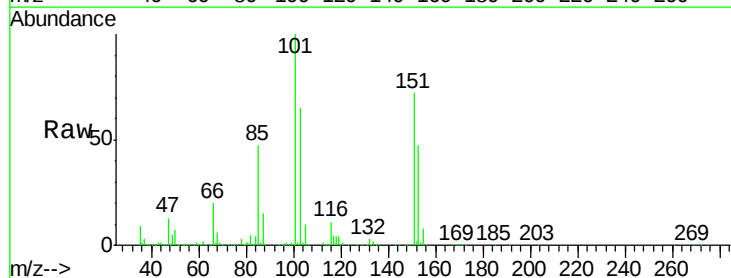
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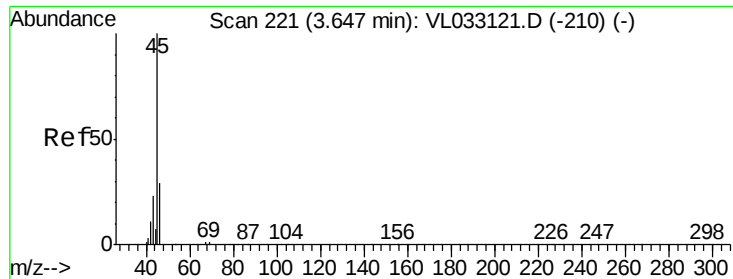
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.394 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion:101 Resp: 1948987
 Ion Ratio Lower Upper
 101 100
 151 72.4 58.3 87.5





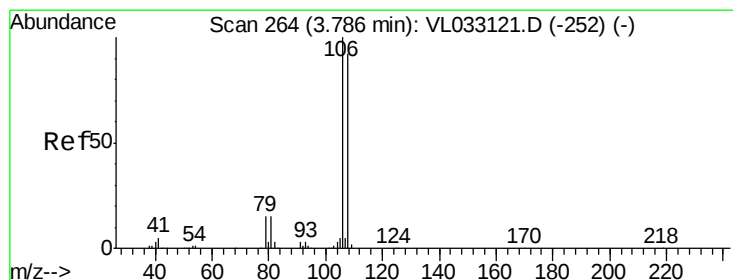
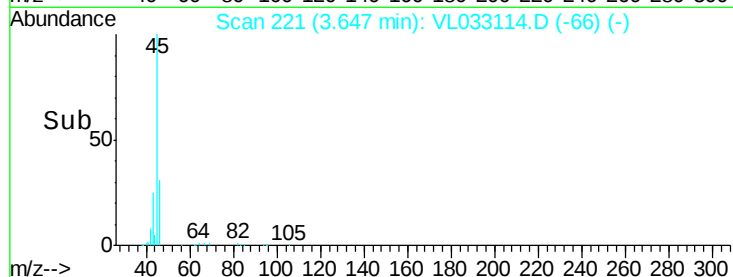
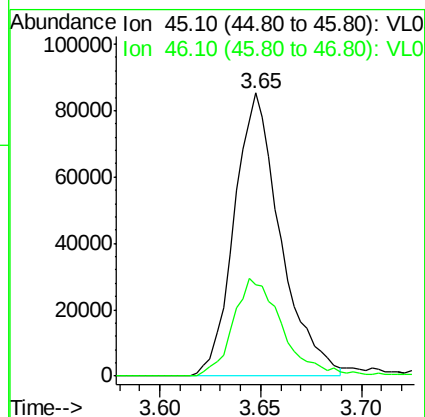
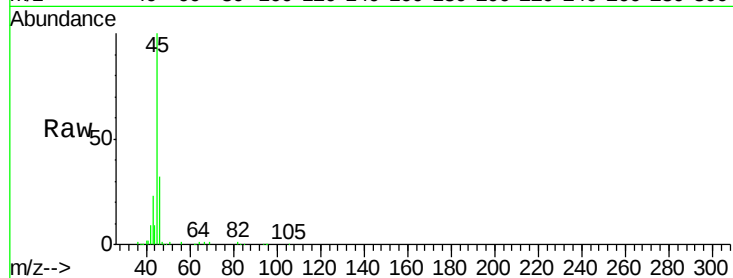
#13
Ethanol
Concen: 4.549 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.6	13.8	55.2

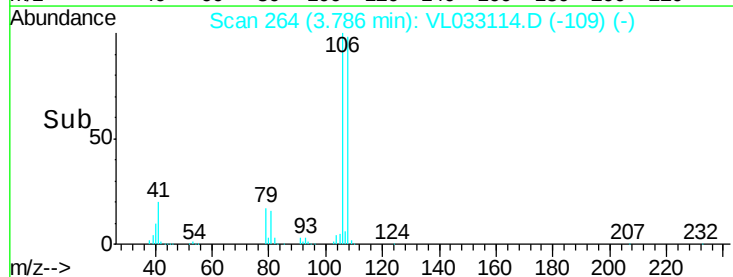
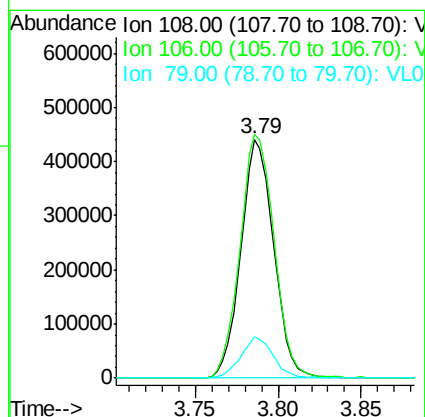
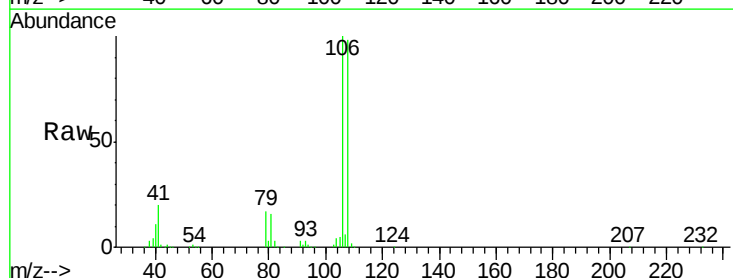
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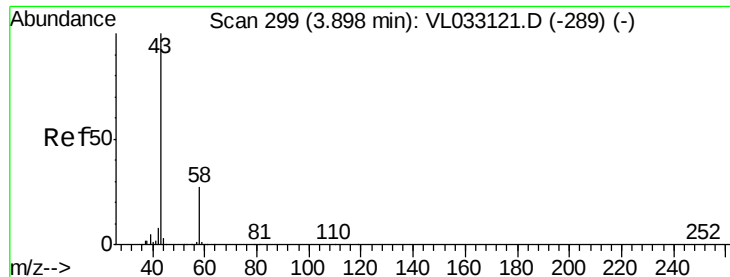
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#14
Bromoethene
Concen: 5.908 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.9	86.4	129.6
79	17.2	14.3	21.5





#15

Acetone

Concen: 4.944 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1221917

Ion Ratio Lower Upper

43 100

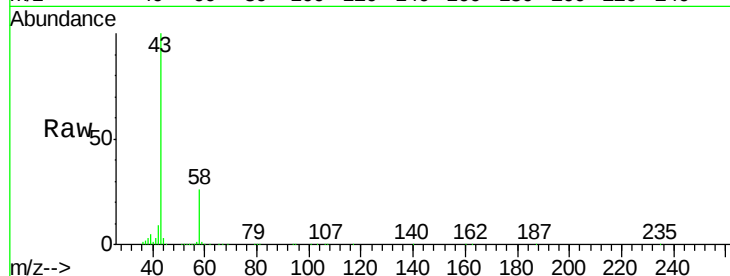
58 26.4 21.1 31.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

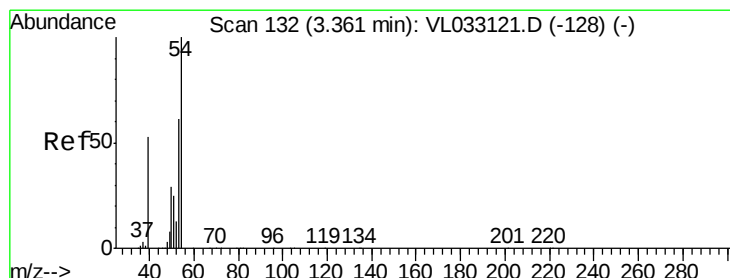
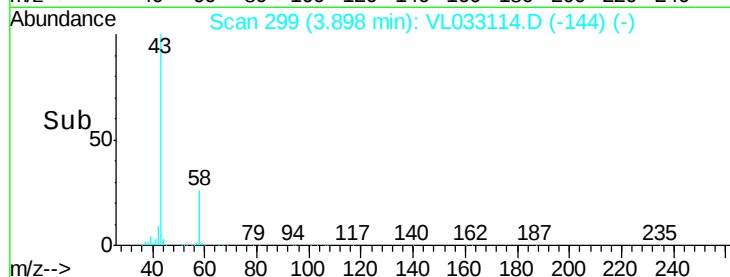
400000

200000

0

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 5.982 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033114.D

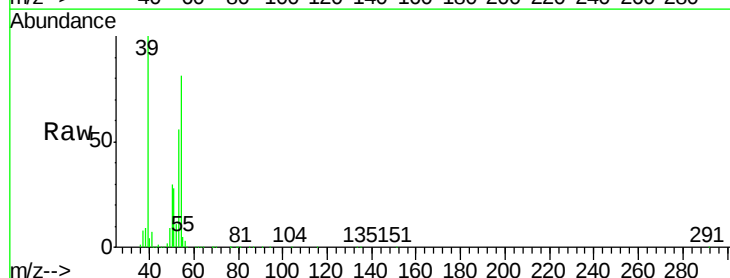
Acq: 28 Jan 2019 15:41

Tgt Ion: 39 Resp: 557601

Ion Ratio Lower Upper

39 100

54 100.0 73.7 110.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

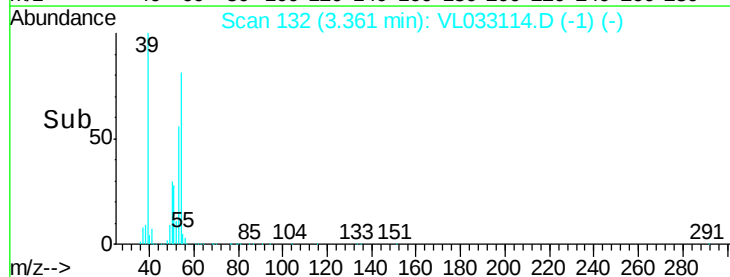
200000

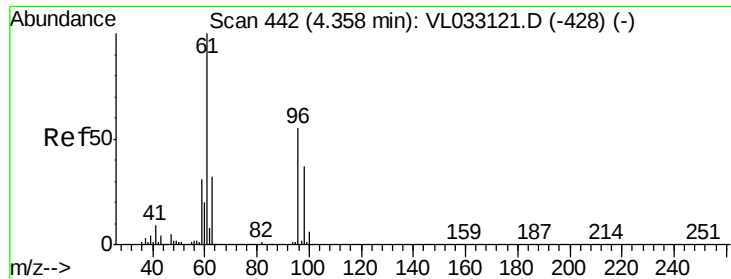
100000

0

3.34 3.36 3.38 3.40

Time-->





#17

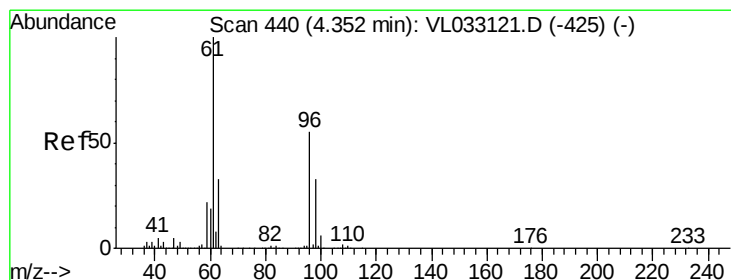
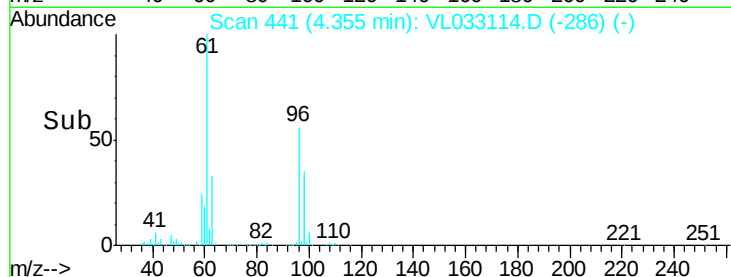
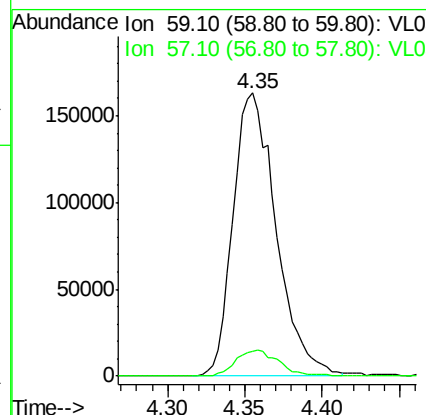
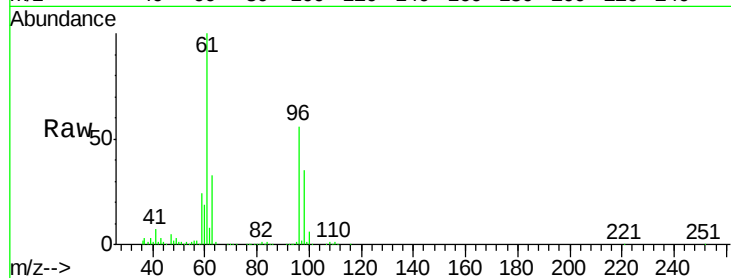
tert-Butyl alcohol
Concen: 6.018 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.7	11.5

Manual Integrations
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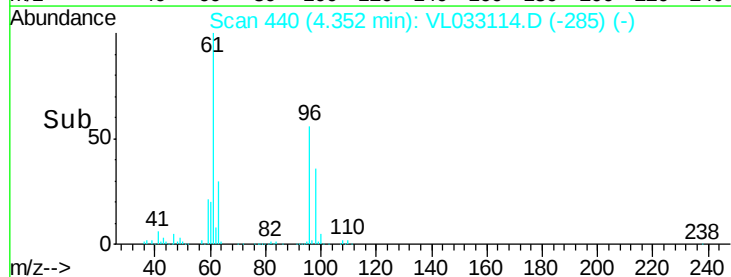
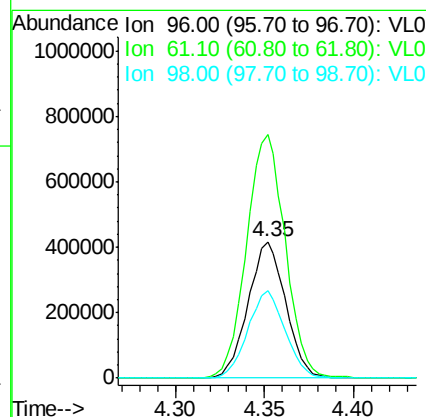
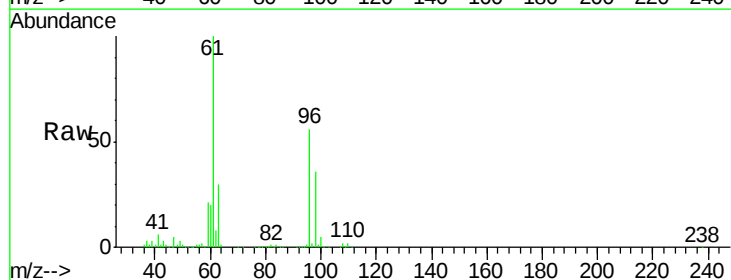
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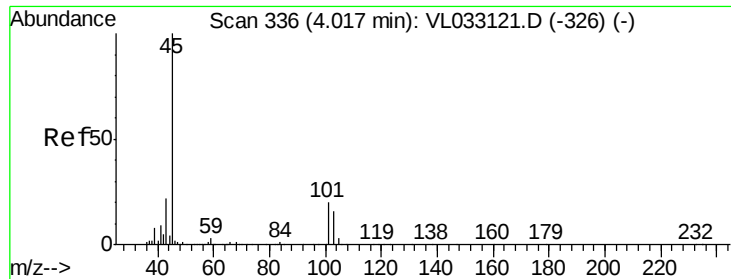


#18

1,1-Dichloroethene
Concen: 5.734 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.2	143.7	215.5
98	64.2	52.1	78.1





#19

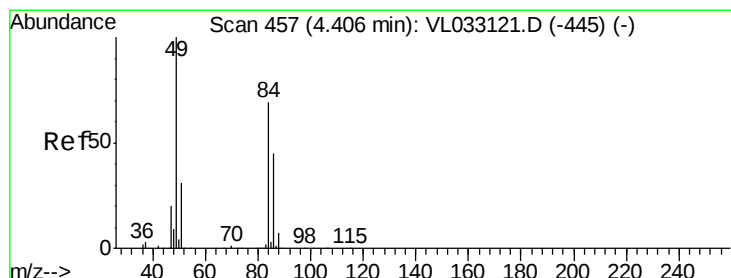
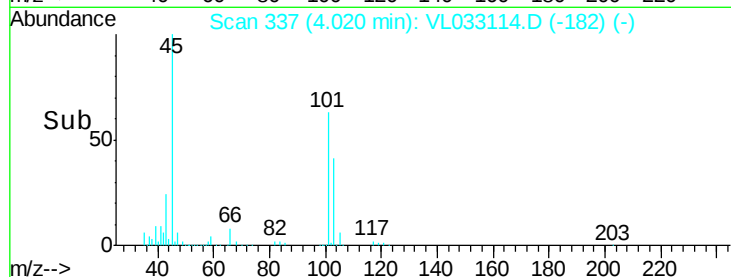
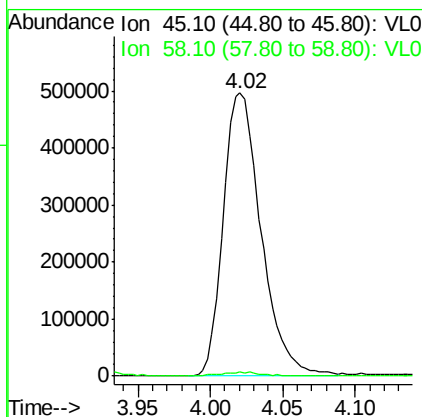
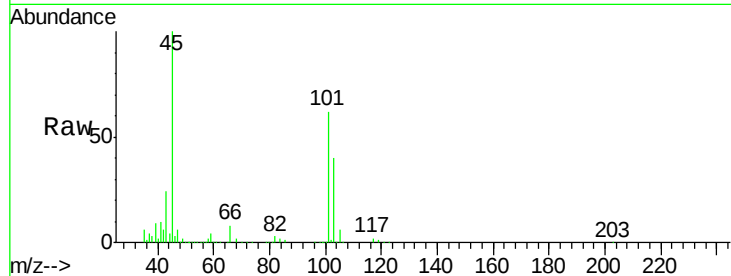
Isopropyl Alcohol
 Concen: 5.288 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 45 Resp: 899795
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.4 2.2

Manual Integrations
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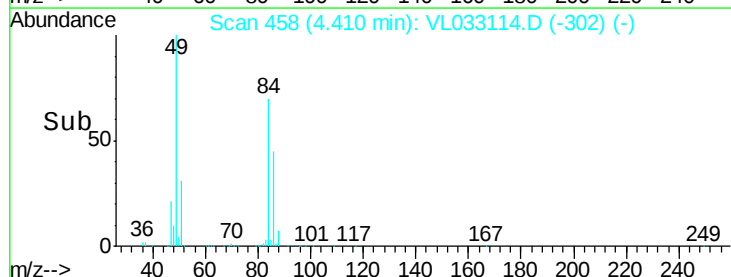
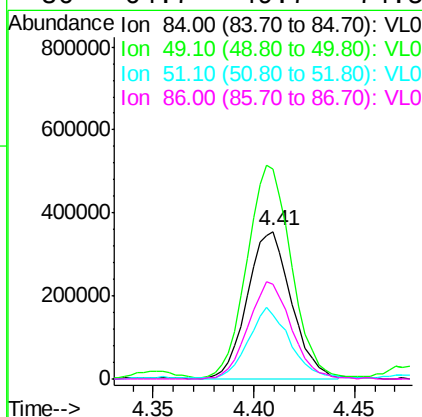
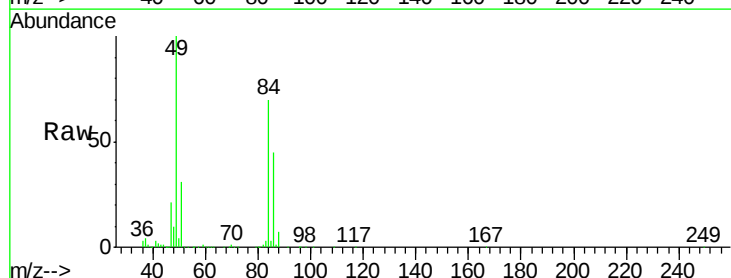
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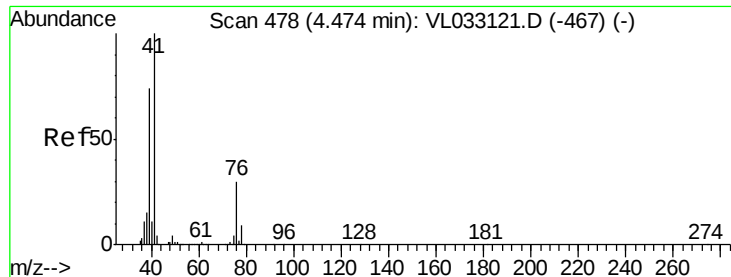


#20

Methylene Chloride
 Concen: 5.220 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 84 Resp: 537830
 Ion Ratio Lower Upper
 84 100
 49 142.2 115.8 173.6
 51 43.1 35.7 53.5
 86 64.7 49.7 74.5





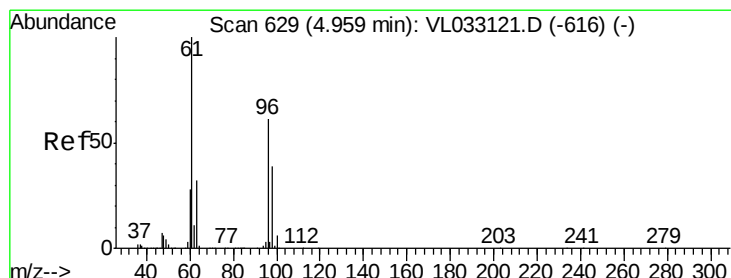
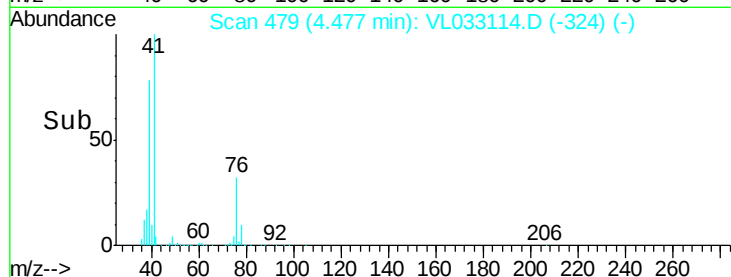
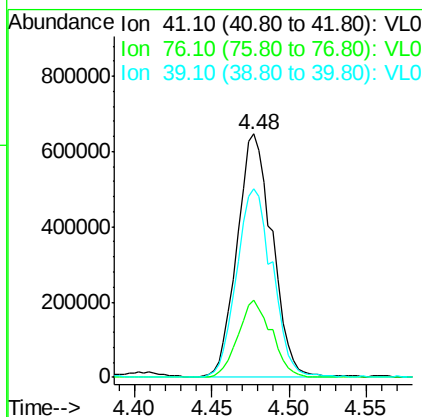
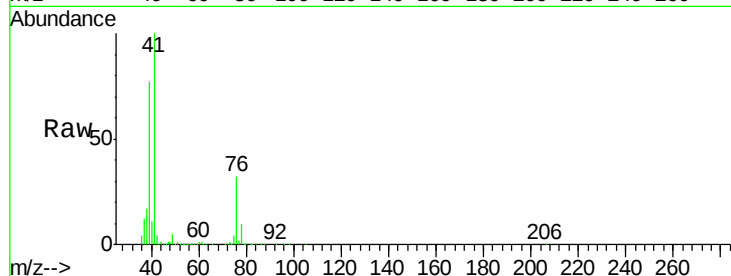
#21
Allvl Chloride
Concen: 6.626 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 1014939
Ion Ratio Lower Upper
41 100
76 30.8 24.6 36.8
39 79.1 62.8 94.2

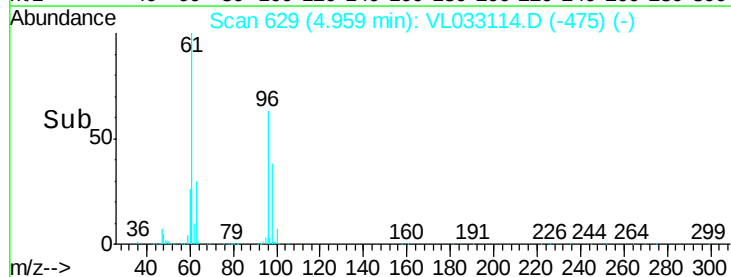
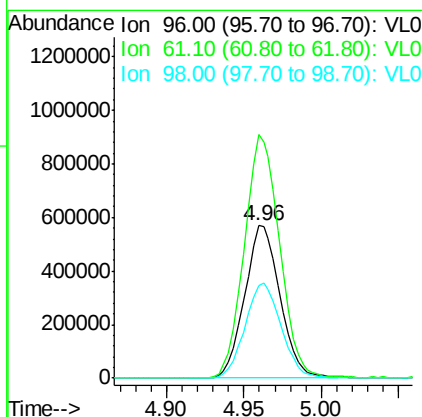
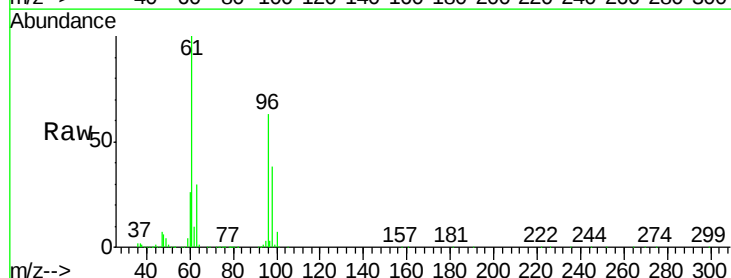
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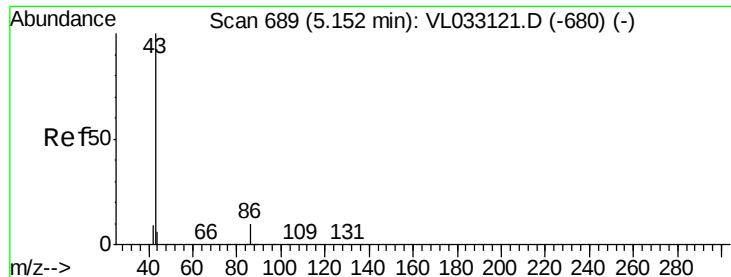
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#22
trans-1,2-Dichloroethene
Concen: 8.563 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 96 Resp: 907850
Ion Ratio Lower Upper
96 100
61 159.5 125.2 187.8
98 60.8 50.9 76.3





#23

Vinyl Acetate

Concen: 9.388 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion: 43 Resp: 2951945

Ion Ratio Lower Upper

43 100

86 8.4 6.2 9.4

42 10.1 8.1 12.1

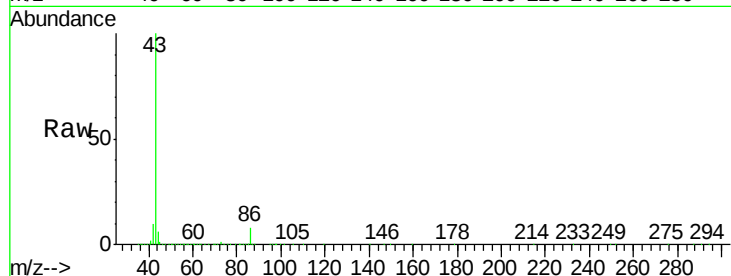
44 5.4 4.3 6.5

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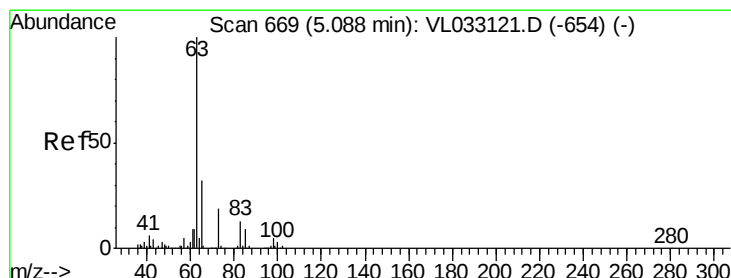
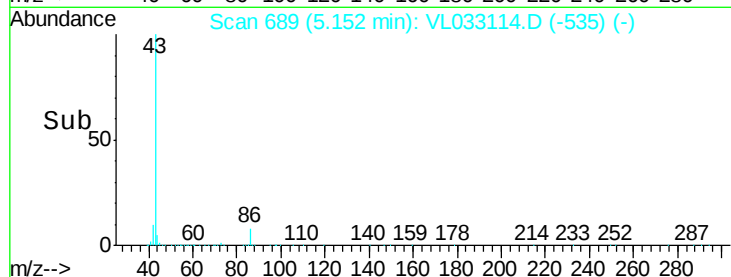
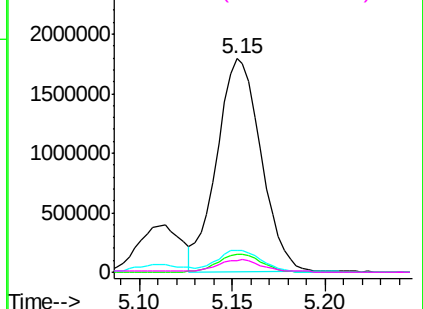


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.510 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

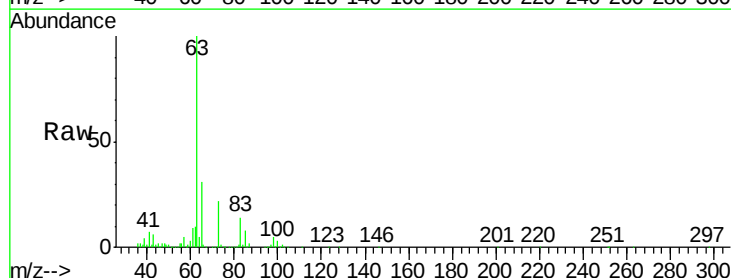
Tgt Ion: 63 Resp: 2272005

Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.2

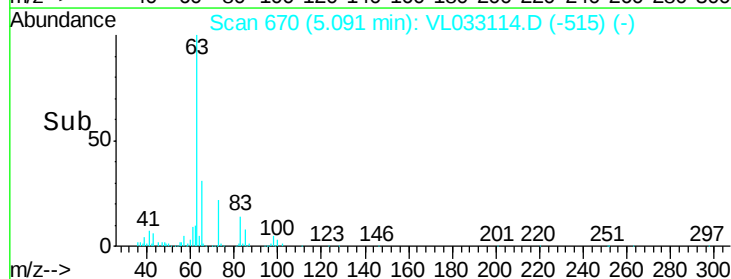
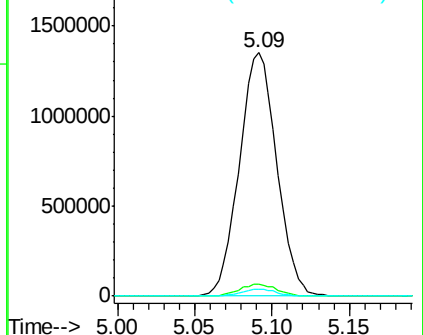
100 2.8 1.4 4.0

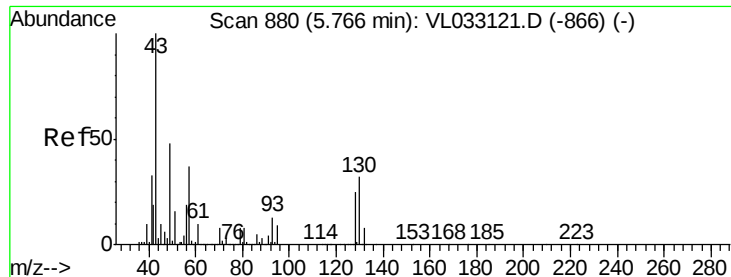


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.648 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 3612979

Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

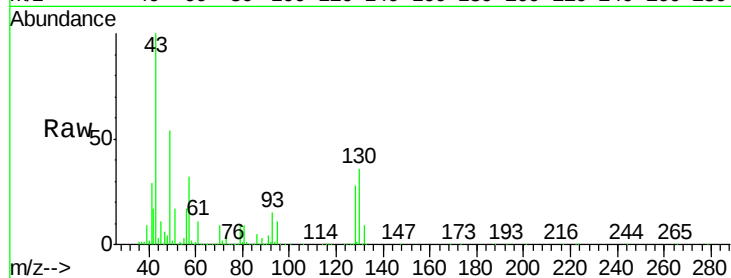
61 9.5 7.8 11.8

70 7.4 6.0 9.0

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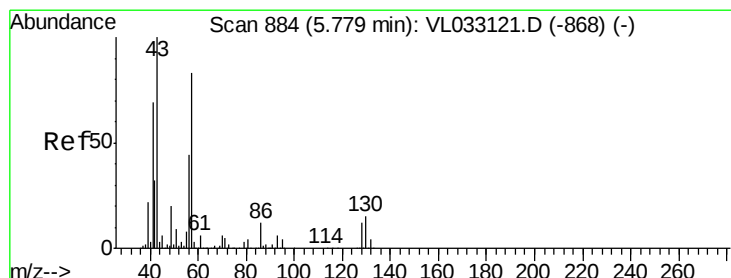
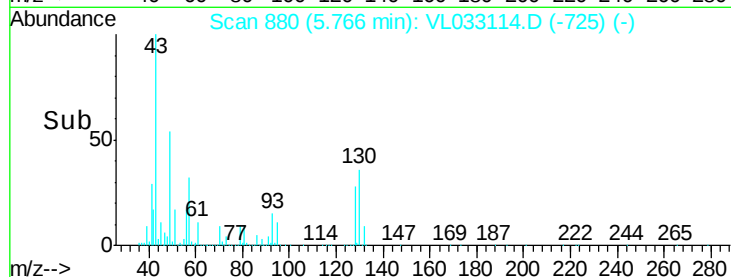
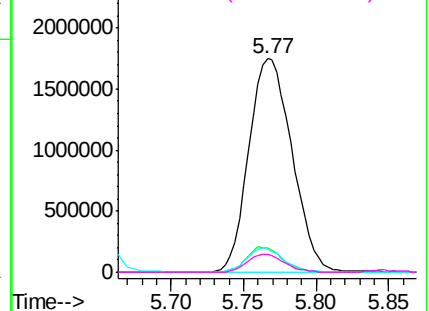
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.728 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 57 Resp: 1716922

Ion Ratio Lower Upper

57 100

41 87.4 70.8 106.2

43 211.2 171.8 257.6

56 52.5 41.9 62.9

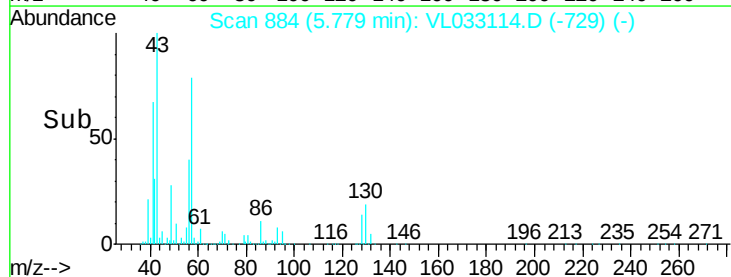
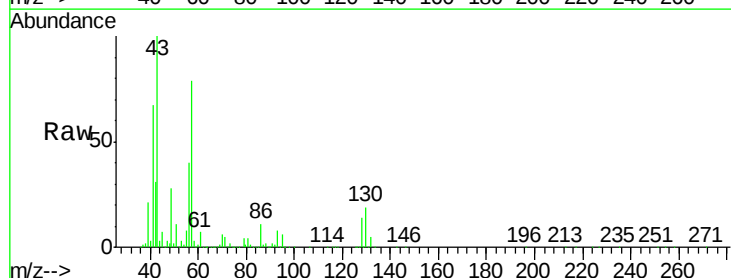
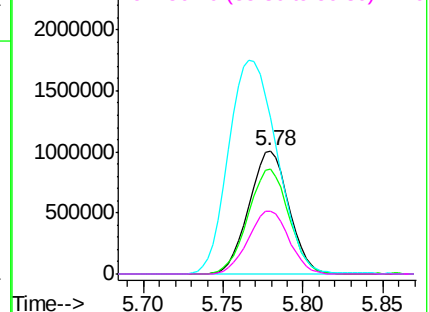
Abundance

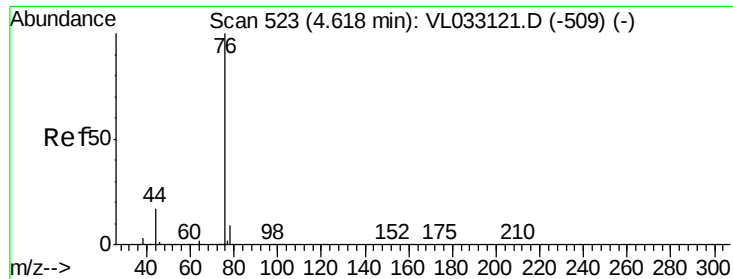
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.326 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 2262666

Ion Ratio Lower Upper

76 100

44 18.7 13.9 20.9

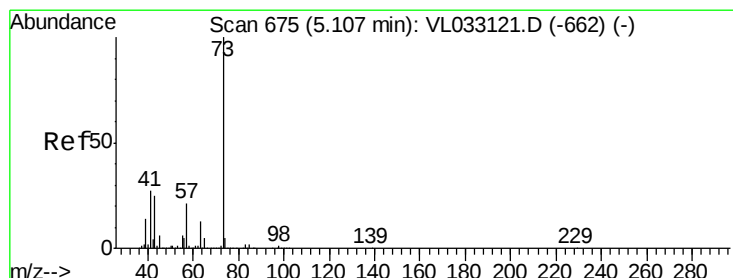
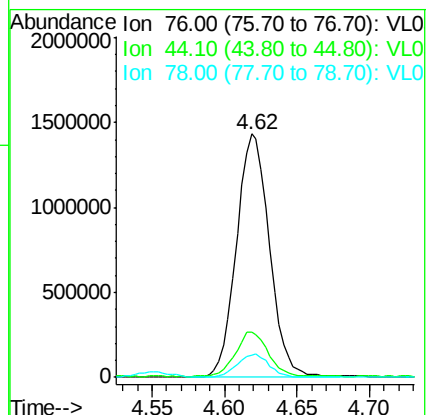
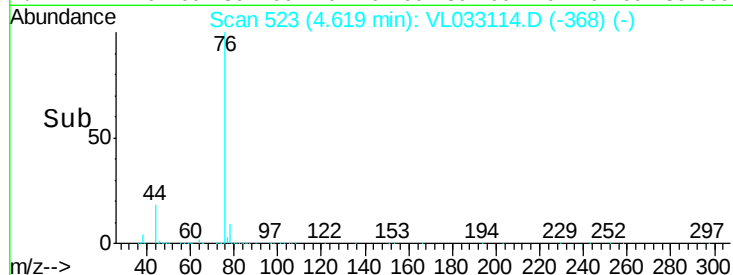
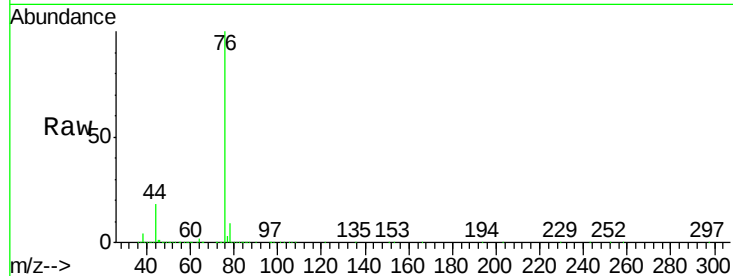
78 9.5 7.3 10.9

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#28

Methyl tert-Butyl Ether

Concen: 9.066 ppbv

RT: 5.11 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL033114.D

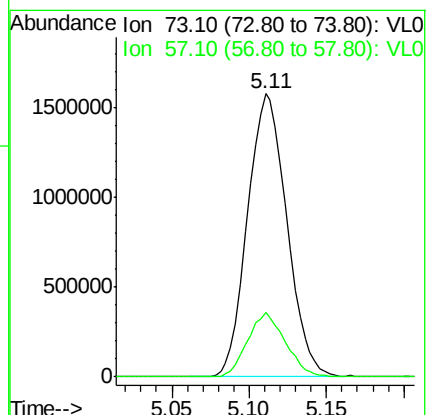
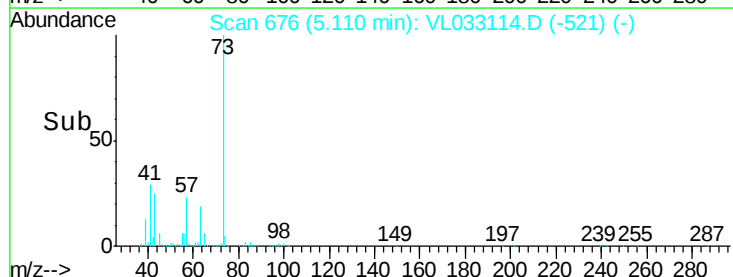
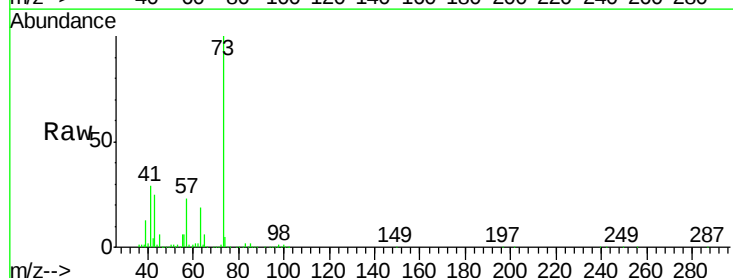
Acq: 28 Jan 2019 15:41

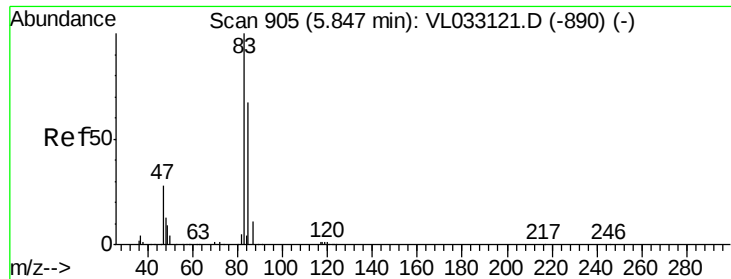
Tgt Ion: 73 Resp: 2783923

Ion Ratio Lower Upper

73 100

57 22.0 17.5 26.3





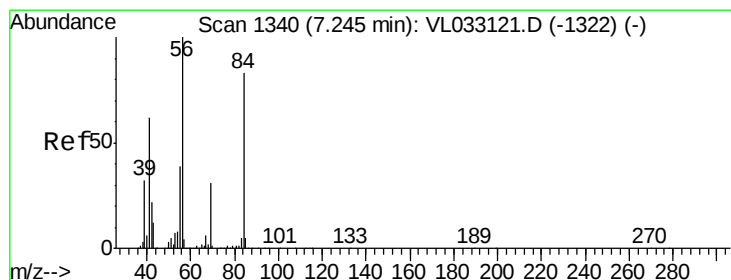
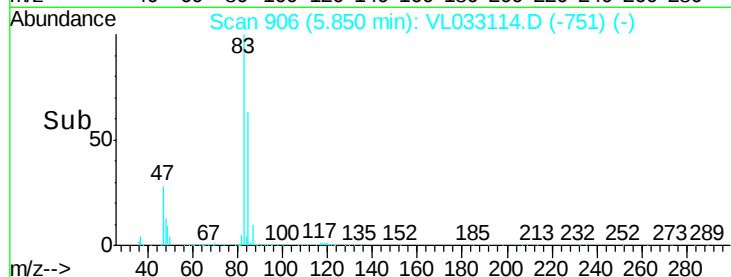
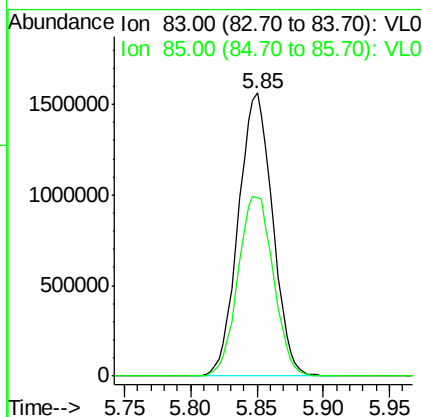
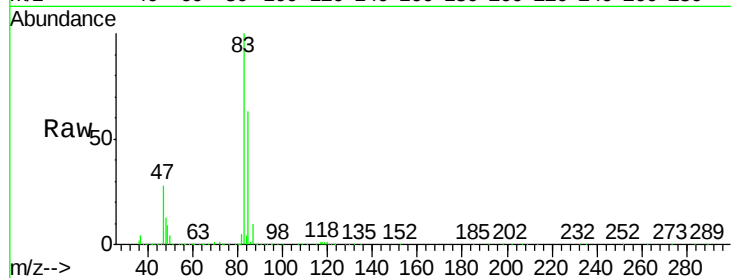
#29
Chloroform
Concen: 8.362 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2803273
Ion Ratio Lower Upper
83 100
85 63.0 52.5 78.7

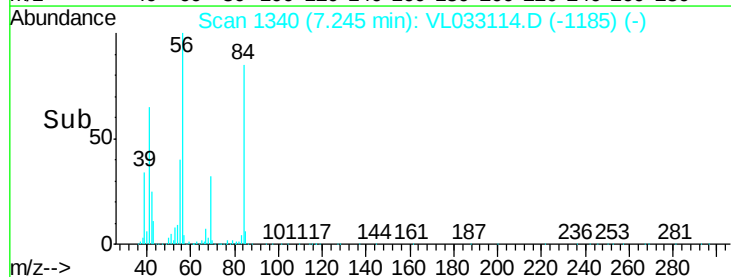
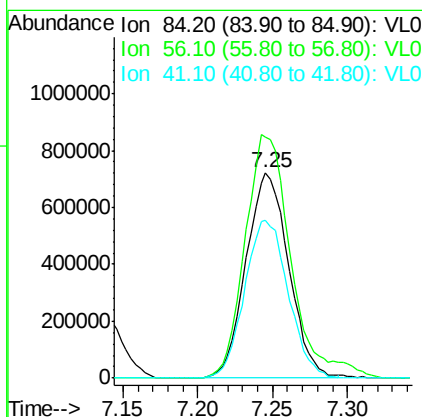
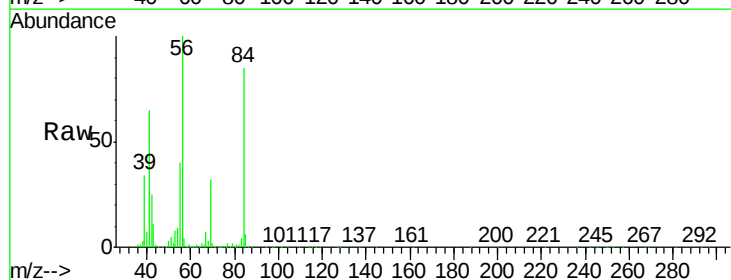
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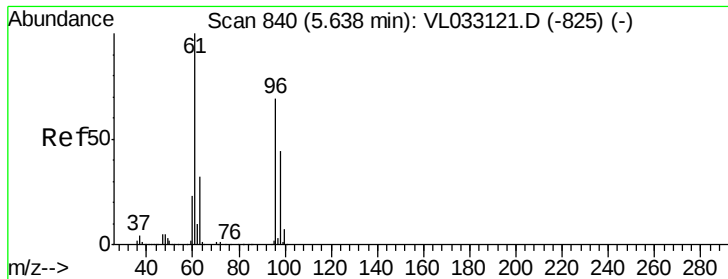
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#30
Cyclohexane
Concen: 9.776 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 84 Resp: 1434021
Ion Ratio Lower Upper
84 100
56 128.0 101.8 152.6
41 78.4 63.2 94.8





#31

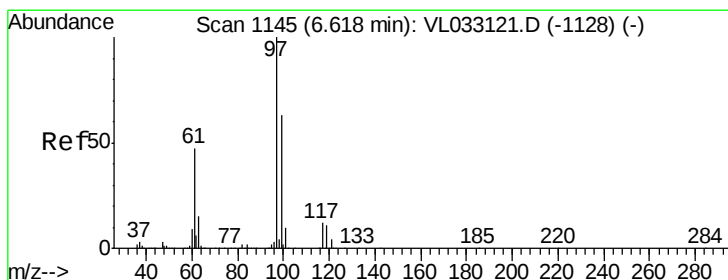
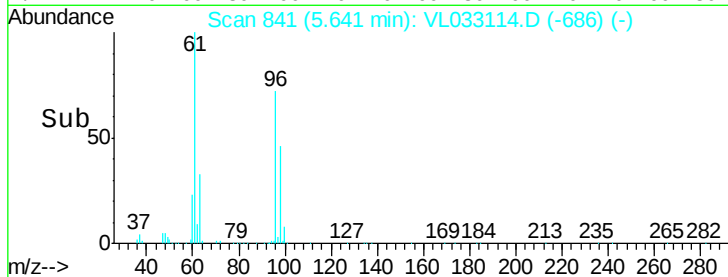
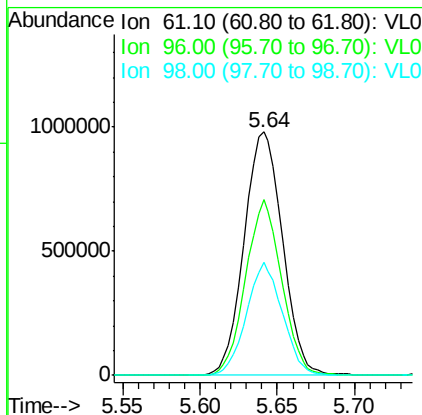
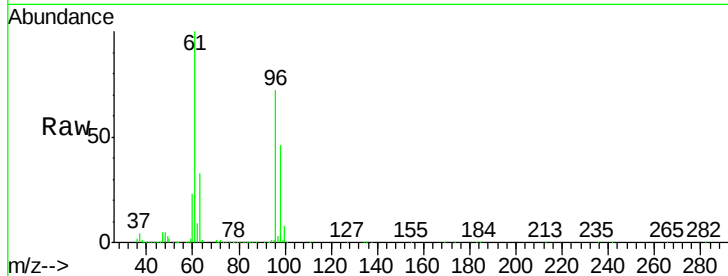
cis-1,2-Dichloroethene
 Concen: 9.299 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	72.0	52.8	79.2
98	46.2	33.8	50.6

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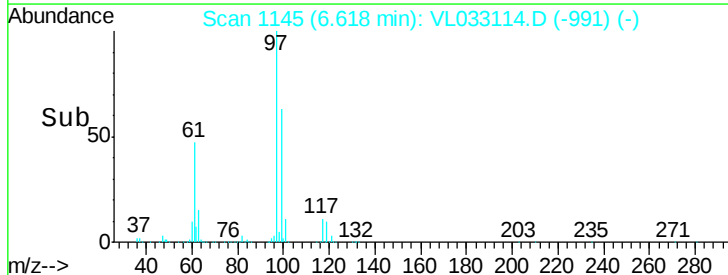
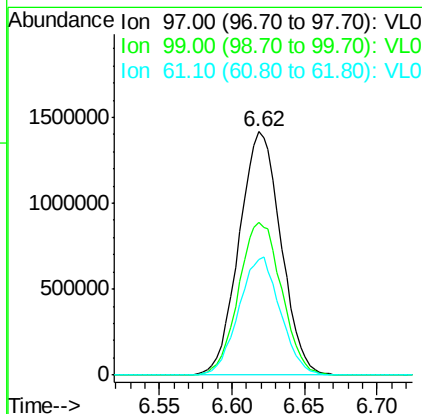
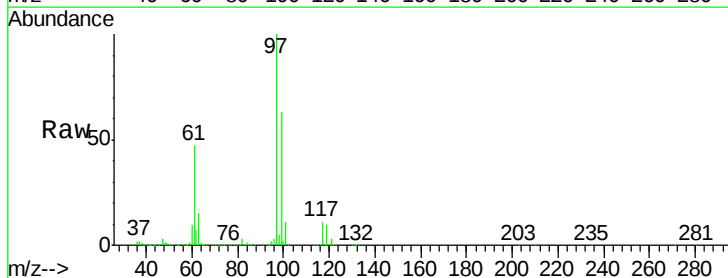
apatel
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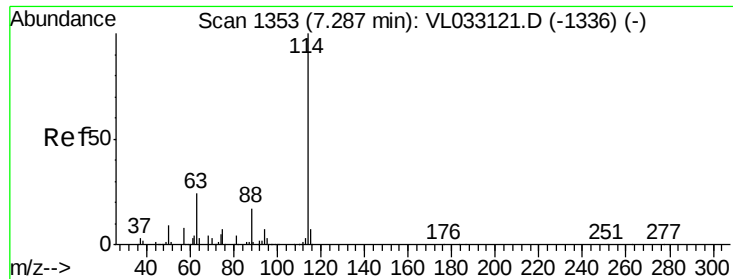


#32

1,1,1-Trichloroethane
 Concen: 8.341 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	48.2	38.3	57.5





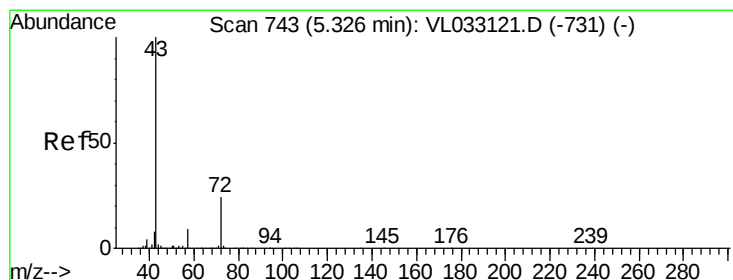
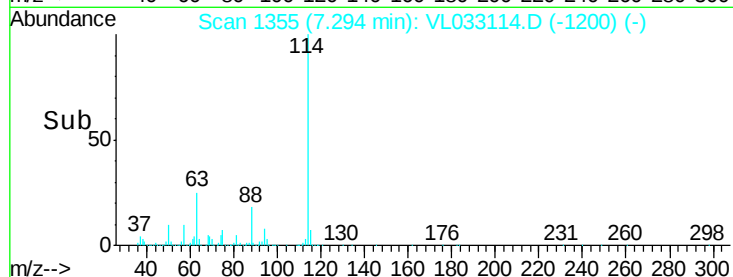
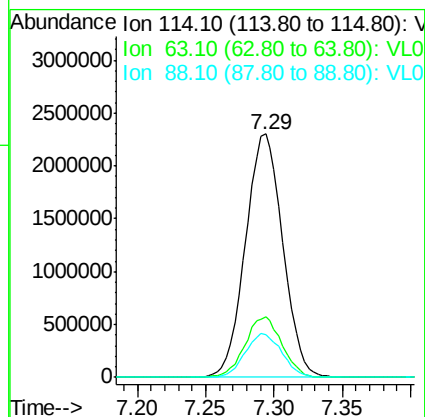
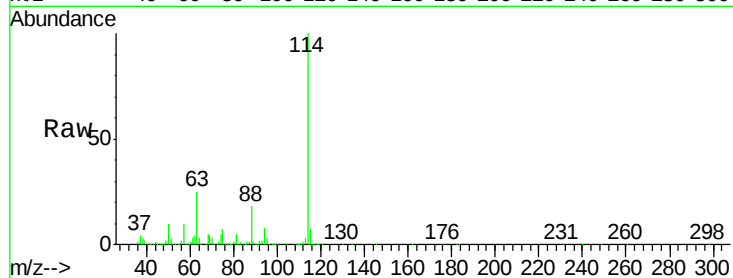
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 4365855
 Ion Ratio Lower Upper
 114 100
 63 24.8 20.1 30.1
 88 17.7 14.0 21.0

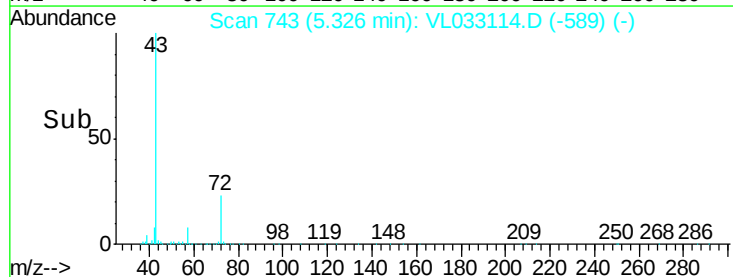
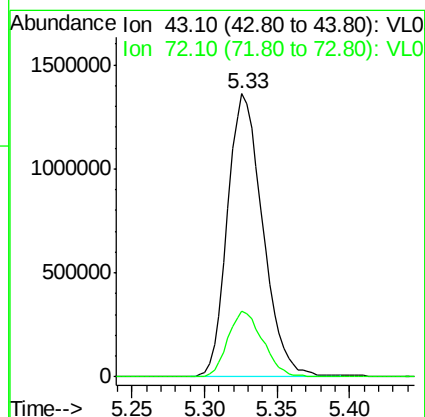
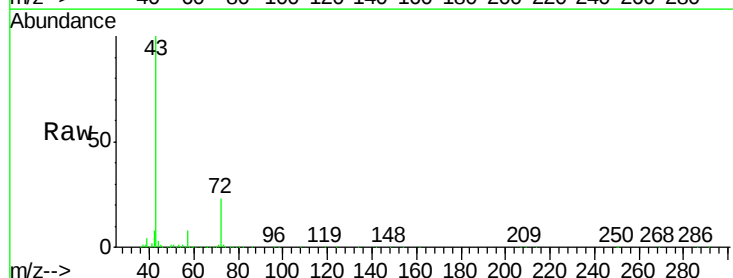
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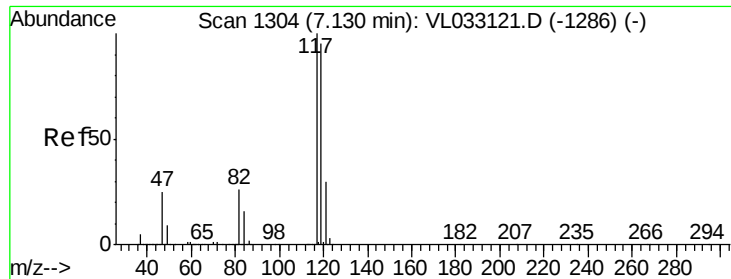
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#34
 2-Butanone
 Concen: 9.022 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion: 43 Resp: 2288643
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.9 28.3





#35

Carbon Tetrachloride

Concen: 8.022 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

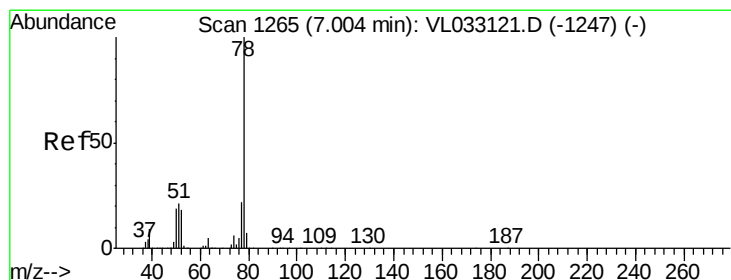
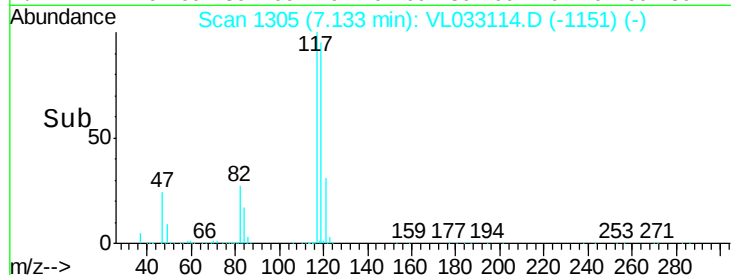
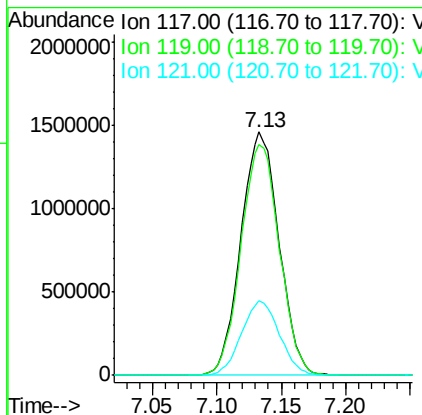
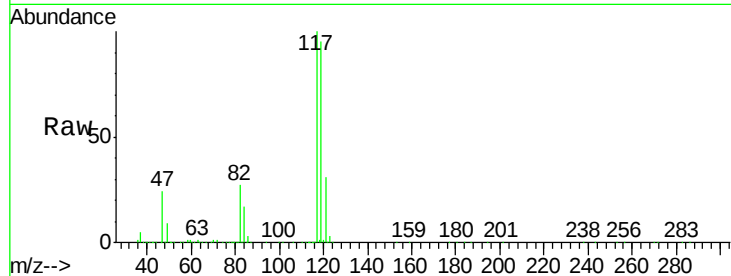
ClientSampleId :

VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.5	114.7
121	30.7	25.2	37.8

Manual Integrations
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#36

Benzene

Concen: 9.356 ppbv

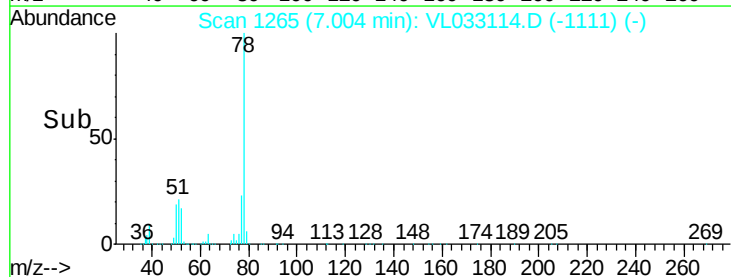
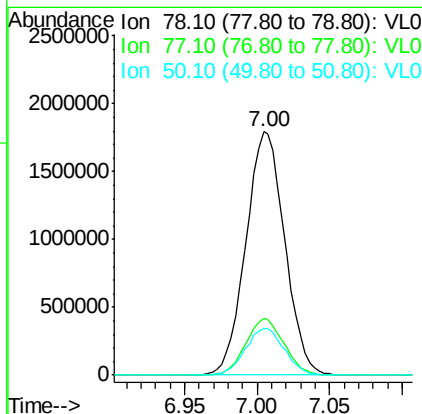
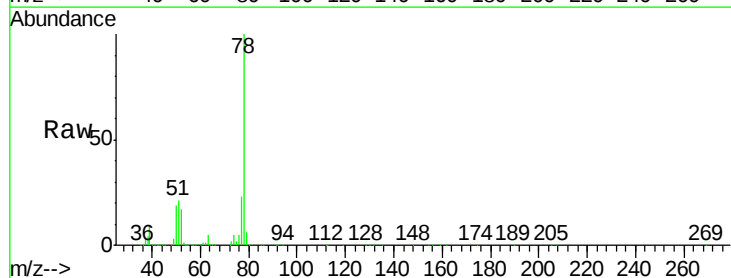
RT: 7.00 min Scan# 1265

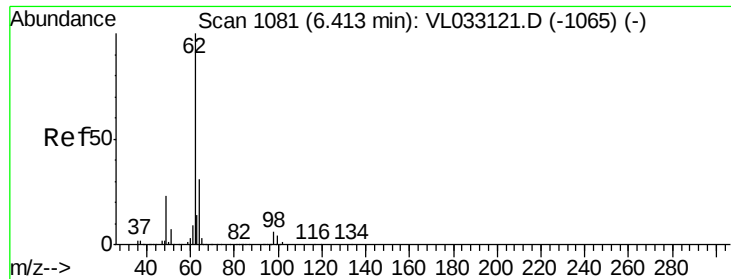
Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7
50	19.3	15.7	23.5





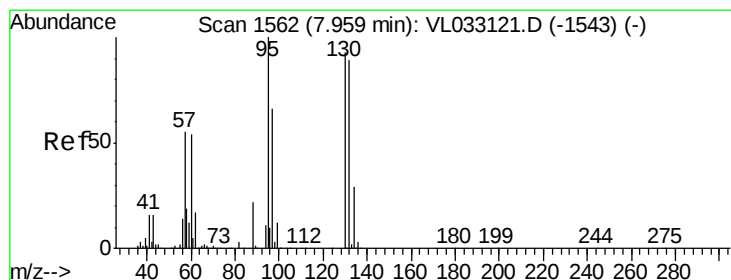
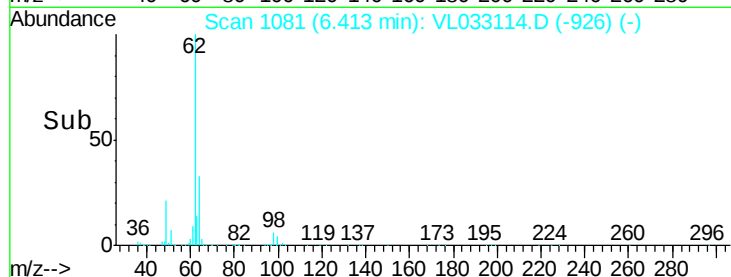
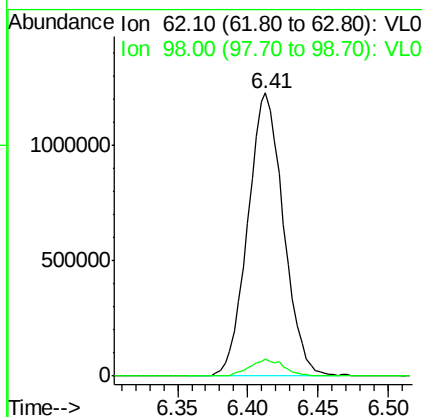
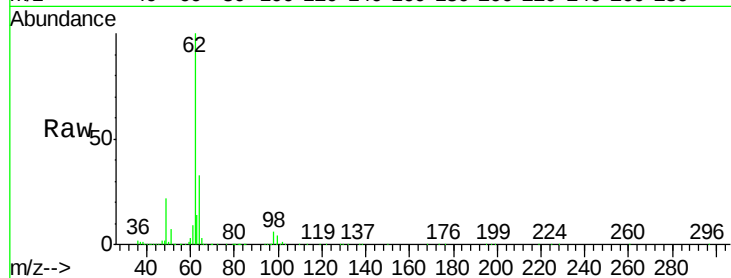
#37
 1,2-Dichloroethane
 Concen: 8.688 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 2169386
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.6 7.0

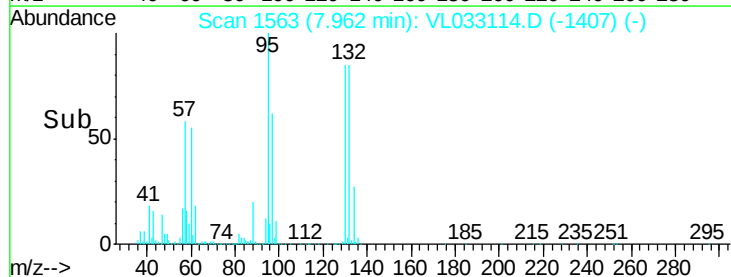
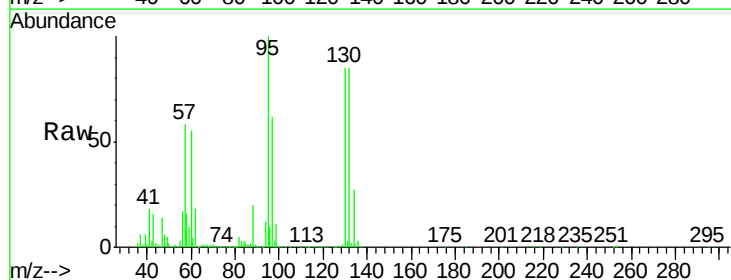
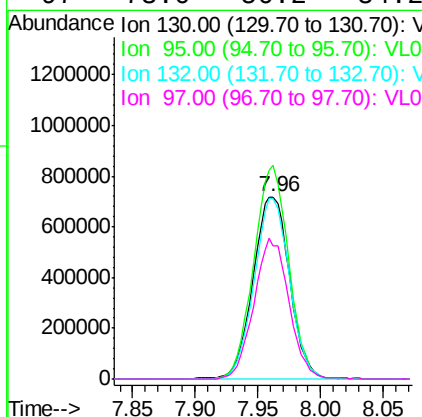
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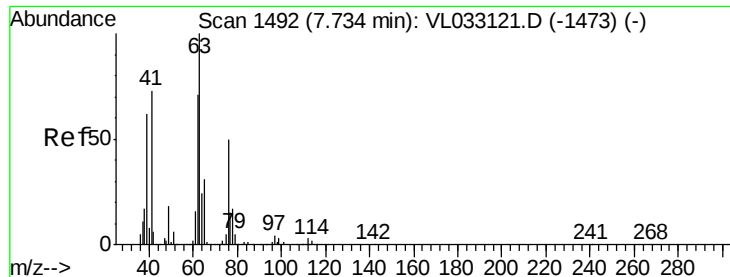
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#38
 Trichloroethene
 Concen: 9.846 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion:130 Resp: 1448519
 Ion Ratio Lower Upper
 130 100
 95 117.5 88.6 132.8
 132 99.6 74.2 111.2
 97 73.0 56.2 84.2





#39

1,2-Dichloropropane

Concen: 9.639 ppbv

RT: 7.74 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1294932

Ion Ratio Lower Upper

63 100

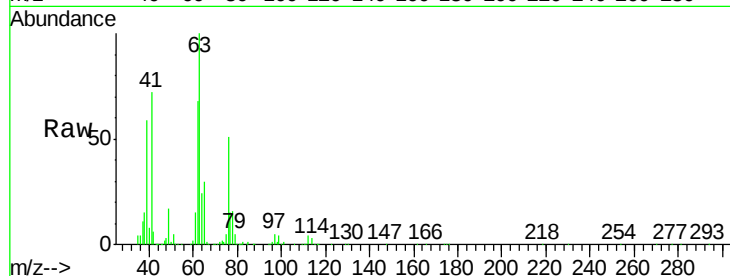
41 72.3 61.9 92.9

62 68.3 55.8 83.6

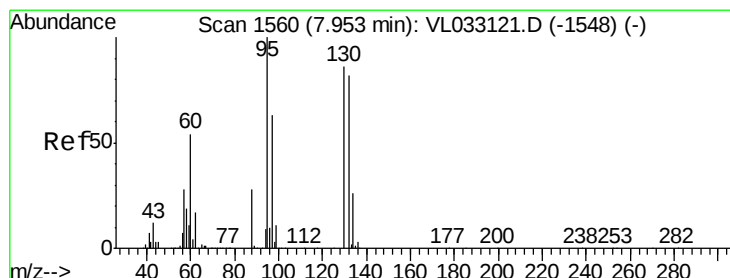
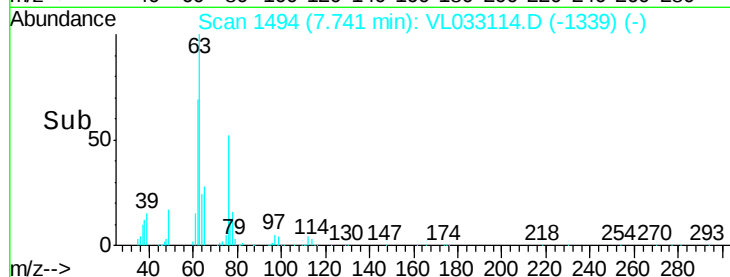
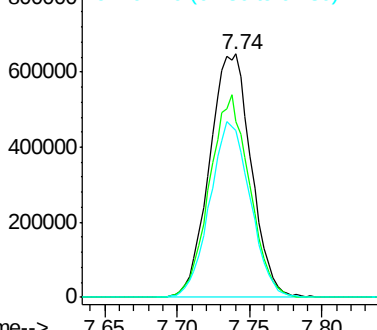
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.232 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 88 Resp: 470814

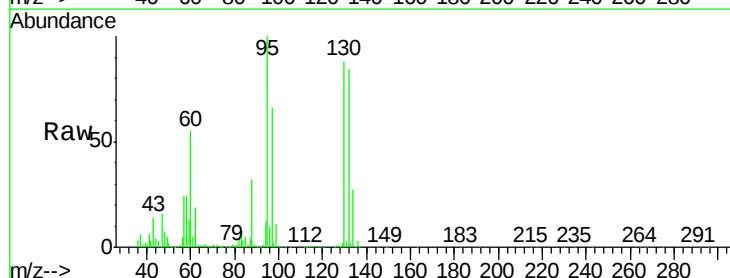
Ion Ratio Lower Upper

88 100

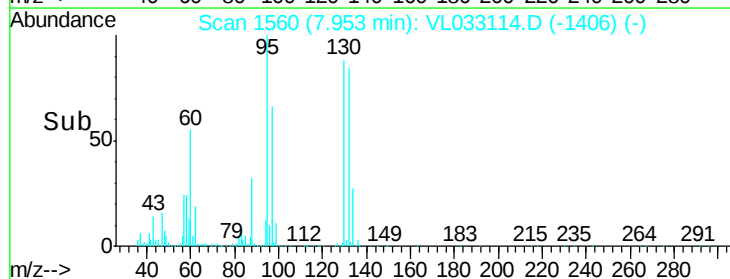
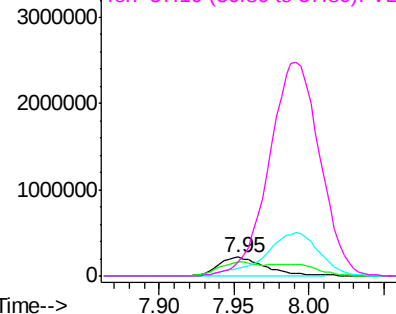
58 129.4 101.9 152.9

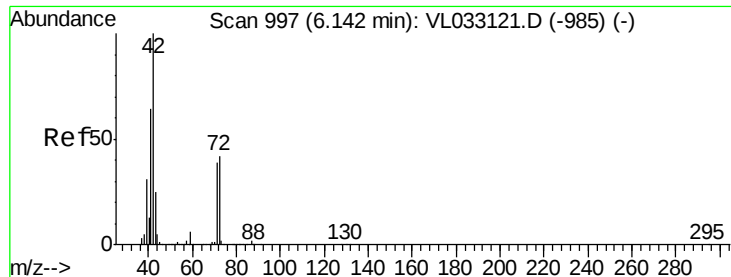
43 272.3 212.6 319.0

57 1240.9 963.8 1445.6



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.132 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 42 Resp: 1308145

Ion Ratio Lower Upper

42 100

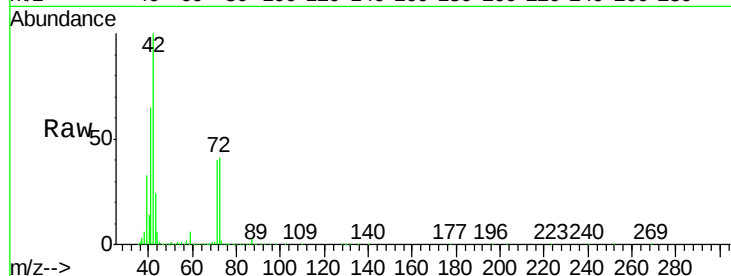
72 42.3 32.9 49.3

71 39.5 31.8 47.6

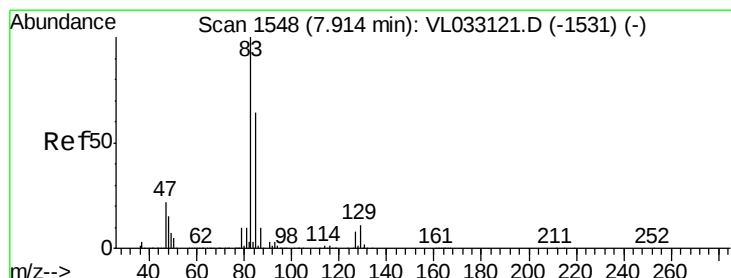
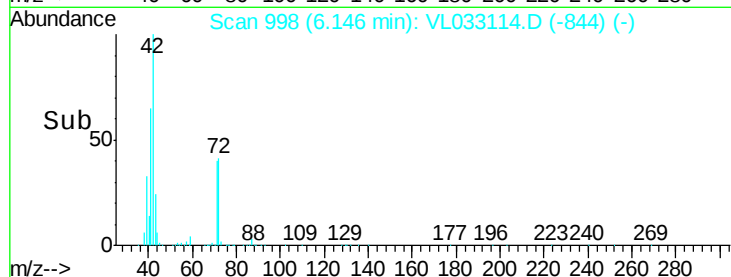
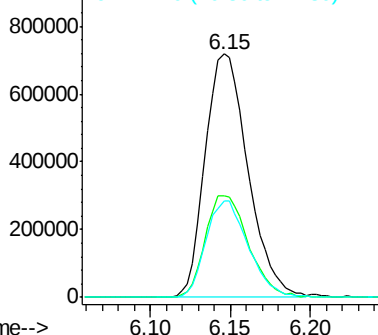
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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.947 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

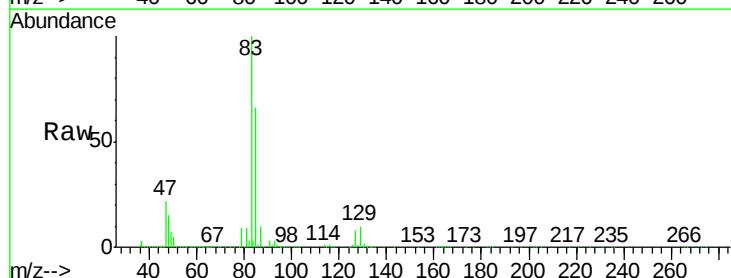
Tgt Ion: 83 Resp: 3068965

Ion Ratio Lower Upper

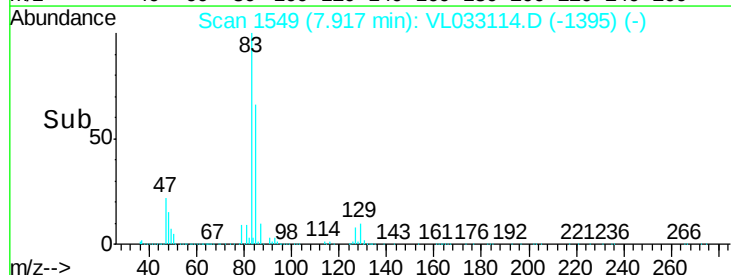
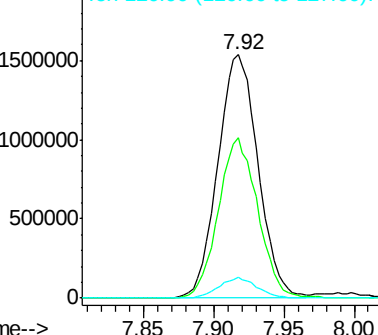
83 100

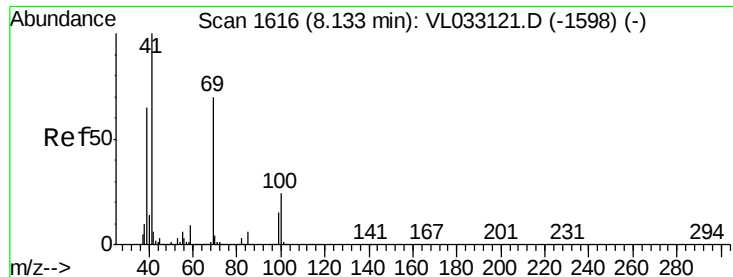
85 66.1 51.0 76.4

127 8.4 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





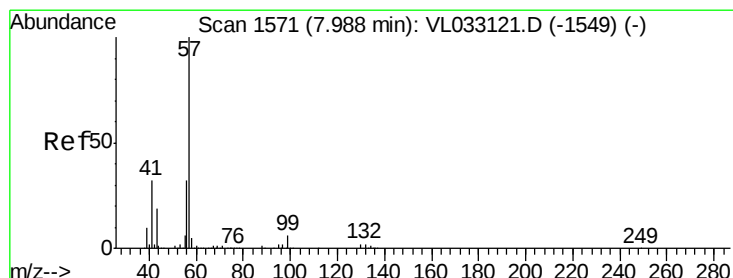
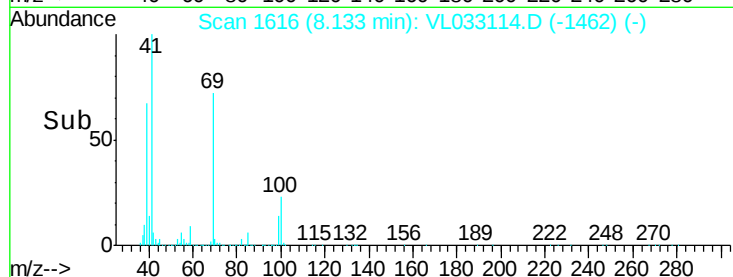
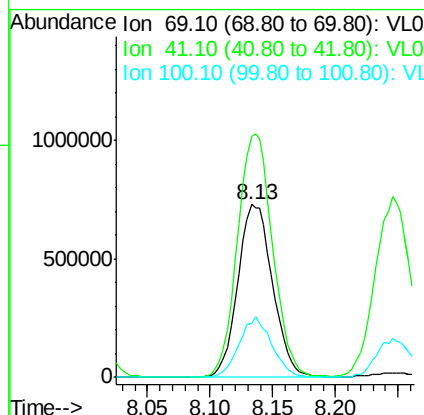
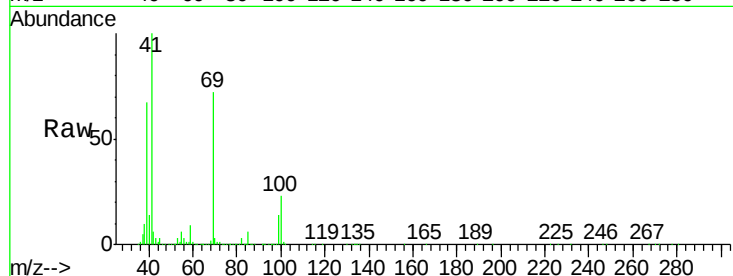
#43
Methvl Methacrylate
Concen: 10.475 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 69 Resp: 1405655
Ion Ratio Lower Upper
69 100
41 142.4 114.0 171.0
100 32.8 26.3 39.5

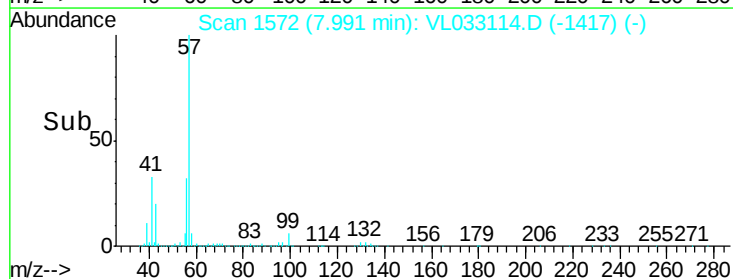
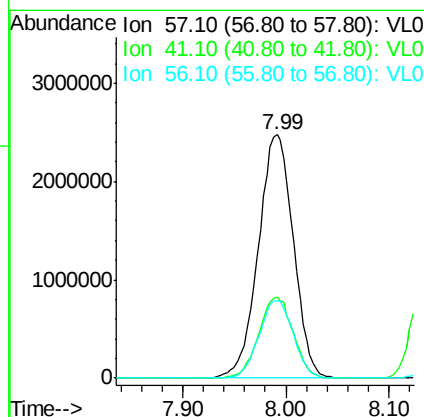
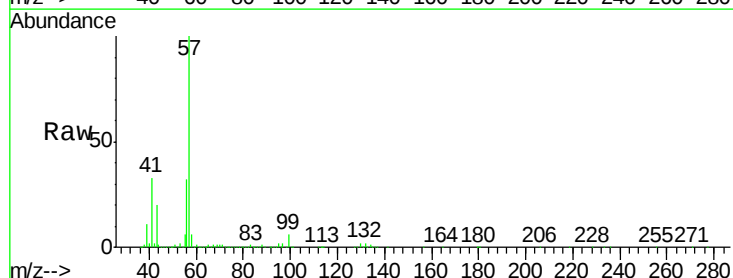
Manual Integrations
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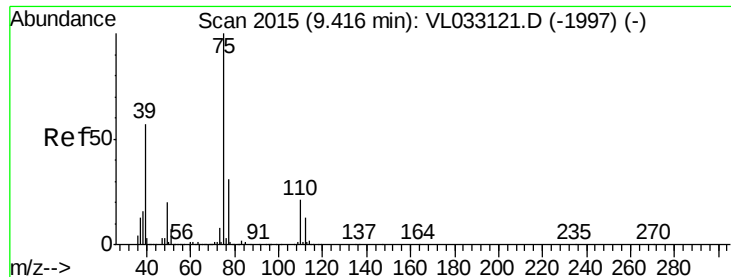
apatel
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#44
2,2,4-Trimethylpentane
Concen: 9.635 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 57 Resp: 5835420
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.2
56 31.2 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 11.406 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion: 75 Resp: 1905220

Ion Ratio Lower Upper

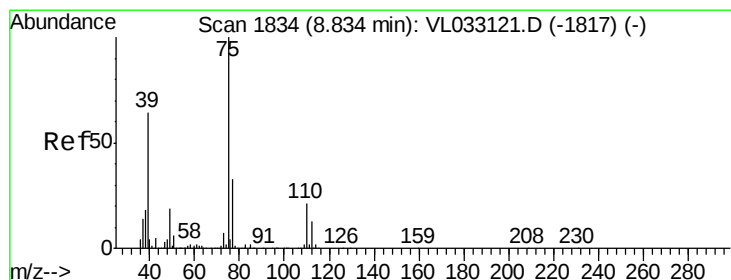
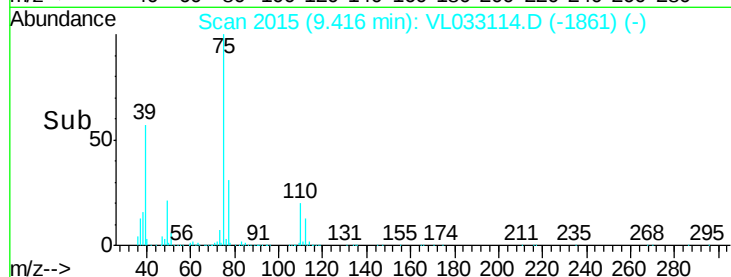
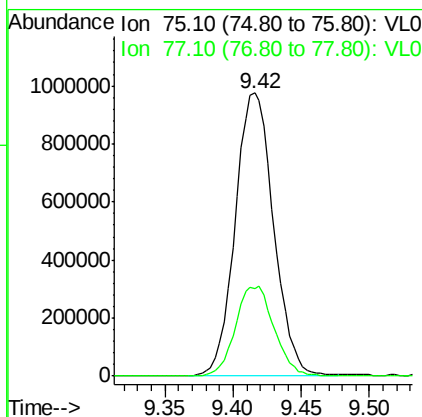
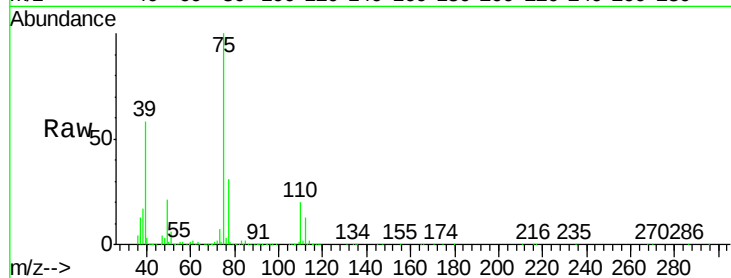
75 100

77 31.1 24.8 37.2

Manual Integrations
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#46

cis-1,3-Dichloropropene

Concen: 11.571 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

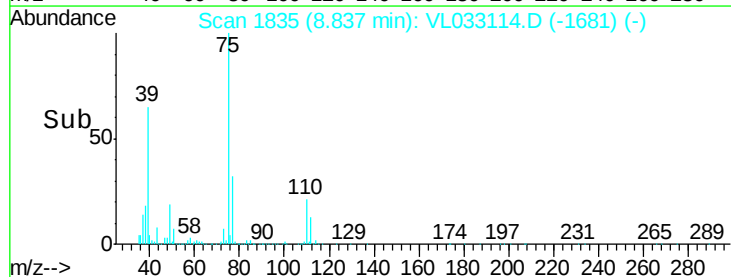
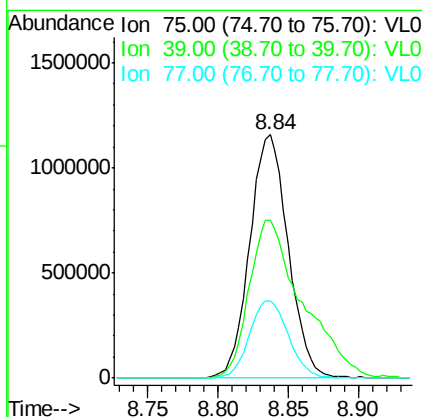
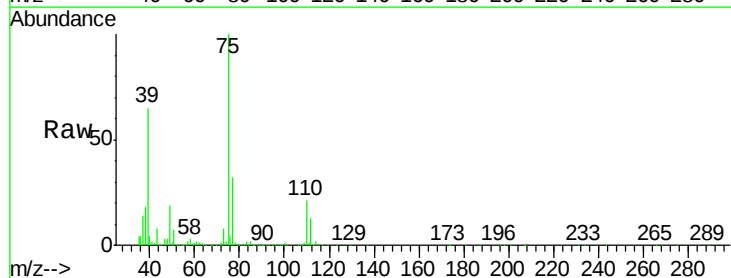
Tgt Ion: 75 Resp: 2206016

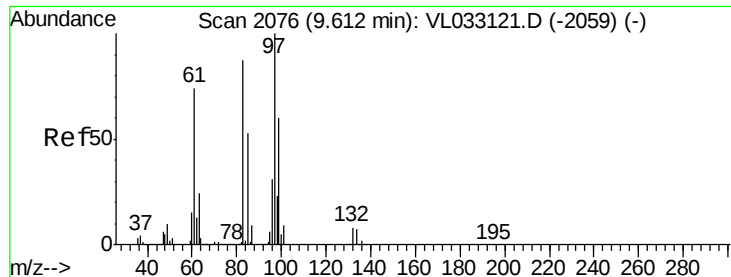
Ion Ratio Lower Upper

75 100

39 65.0 51.3 76.9

77 31.9 25.5 38.3





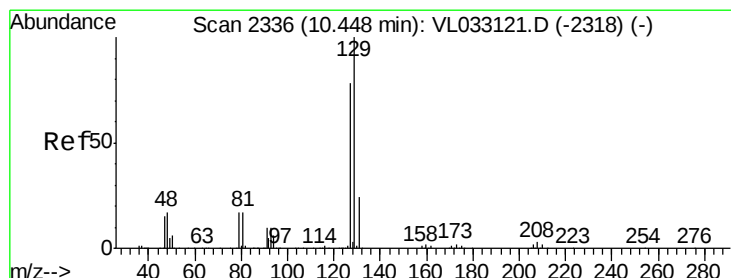
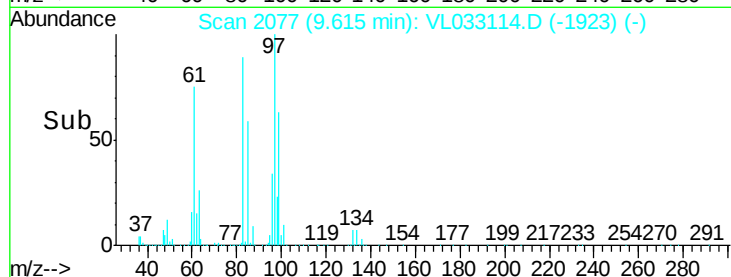
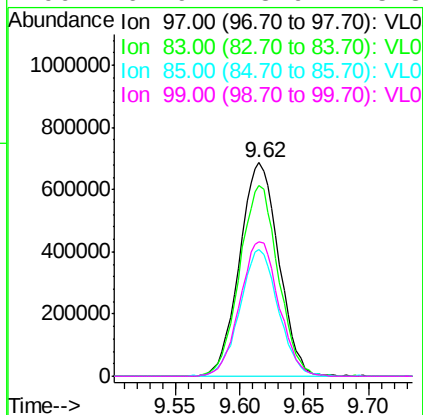
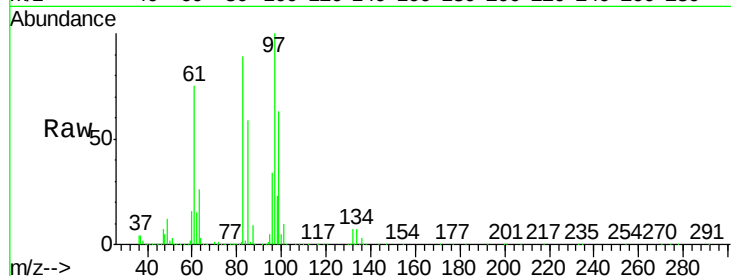
#47
 1,1,2-Trichloroethane
 Concen: 9.235 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.4	104.2
85	59.0	44.2	66.2
99	62.9	48.9	73.3

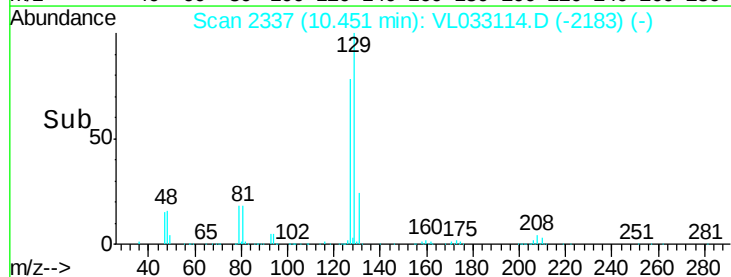
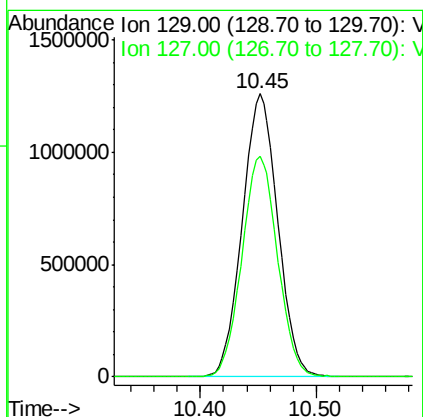
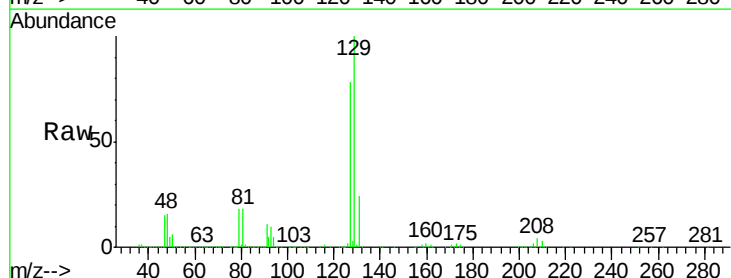
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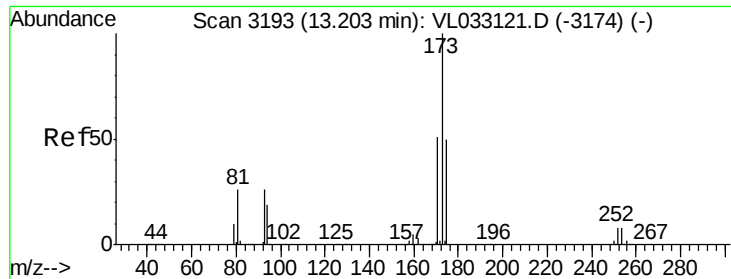
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#48
 Dibromochloromethane
 Concen: 9.669 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.3





#49

Bromoform

Concen: 9.521 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 2306986

Ion Ratio Lower Upper

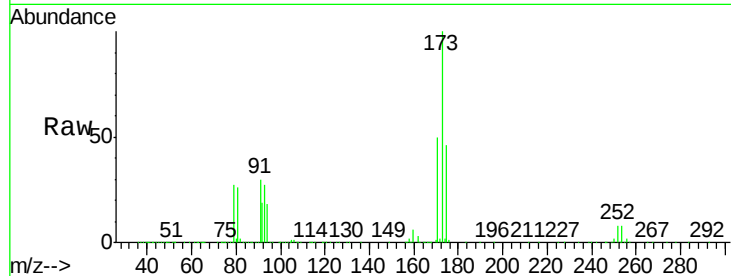
173 100

175 48.6 39.4 59.2

171 52.2 42.1 63.1

Manual Integrations
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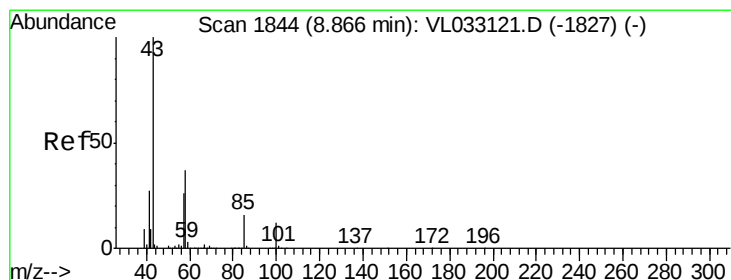
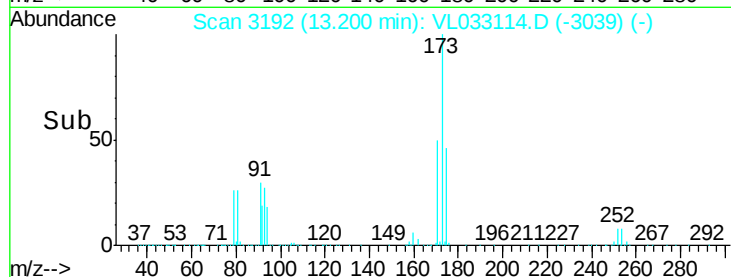
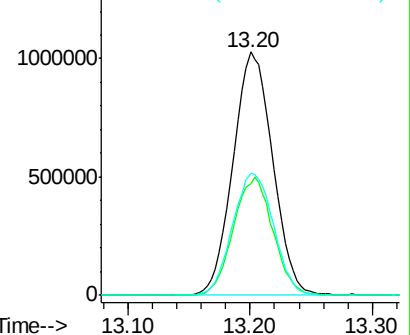
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.356 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033114.D

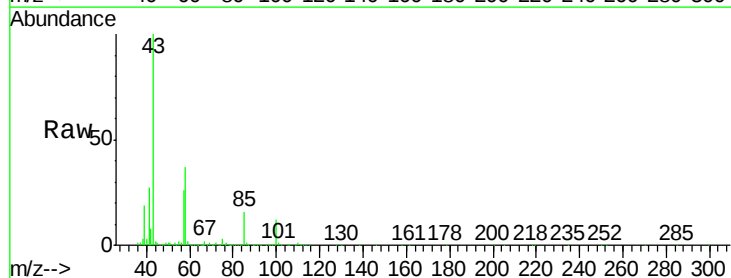
Acq: 28 Jan 2019 15:41

Tgt Ion: 43 Resp: 3328801

Ion Ratio Lower Upper

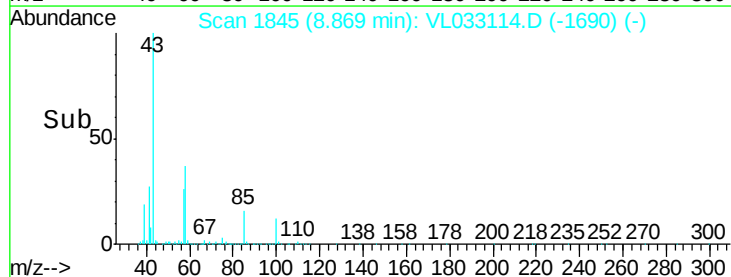
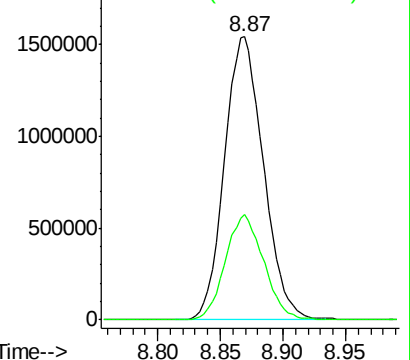
43 100

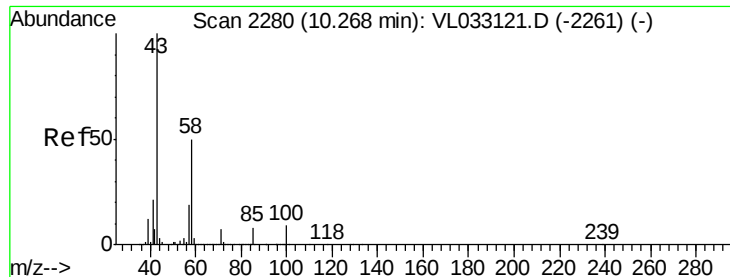
58 36.7 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





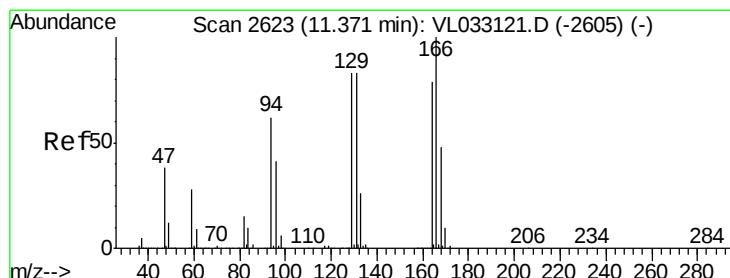
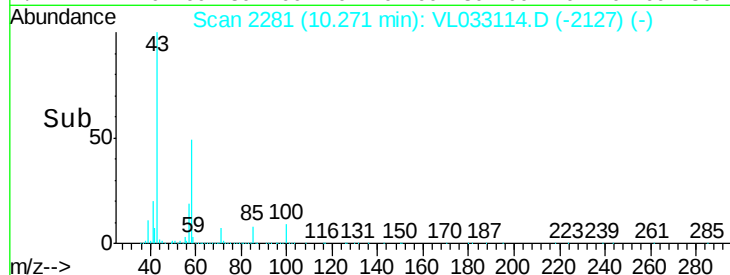
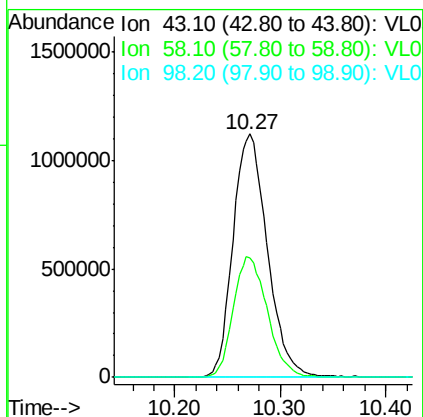
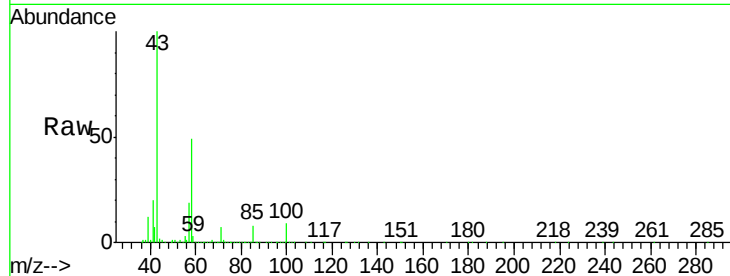
#51
2-Hexanone
Concen: 10.900 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.0	58.6
98	0.4	0.4	0.6

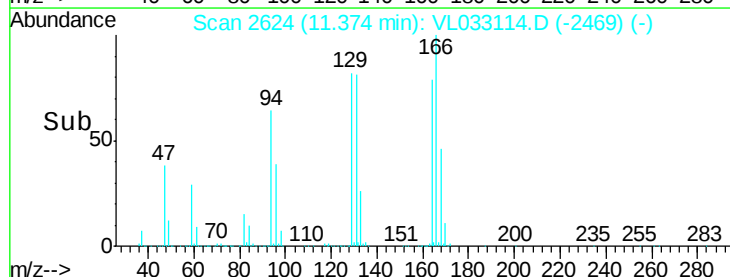
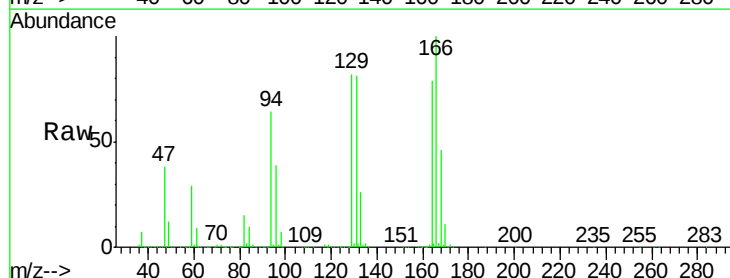
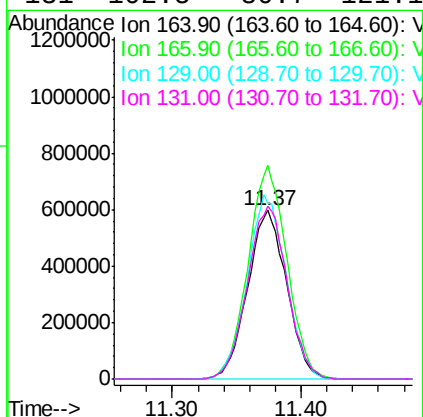
Manual Integrations
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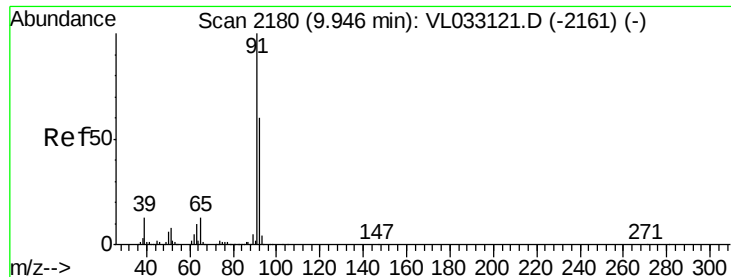
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#52
Tetrachloroethene
Concen: 9.931 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.8	151.2
129	104.1	84.6	126.8
131	102.5	80.7	121.1





#53

Toluene

Concen: 10.542 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4040267

Ion Ratio Lower Upper

91 100

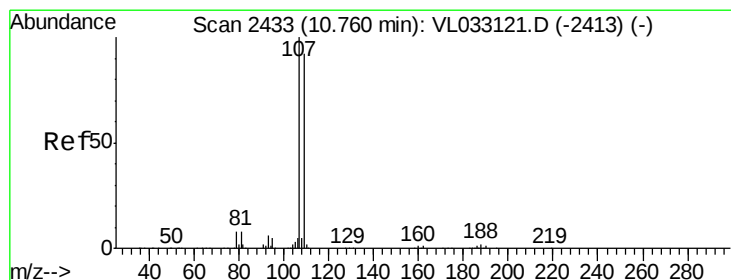
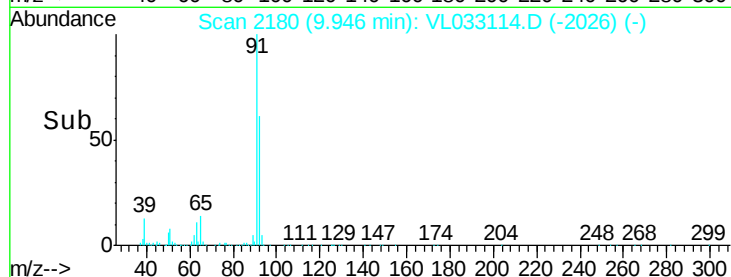
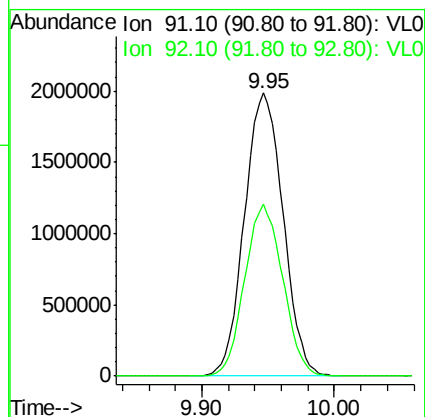
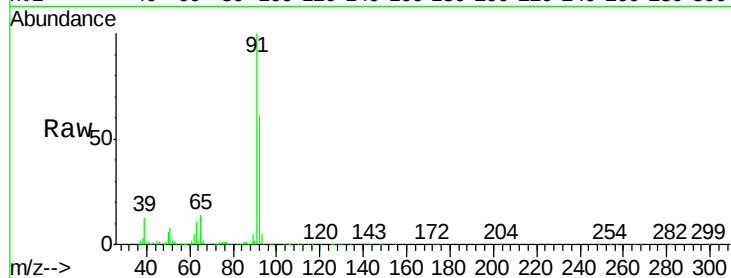
92 59.9 47.7 71.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.060 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL033114.D

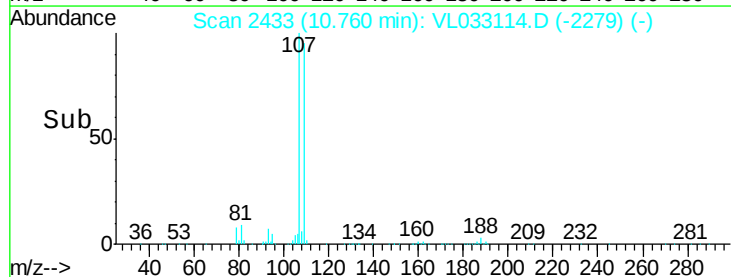
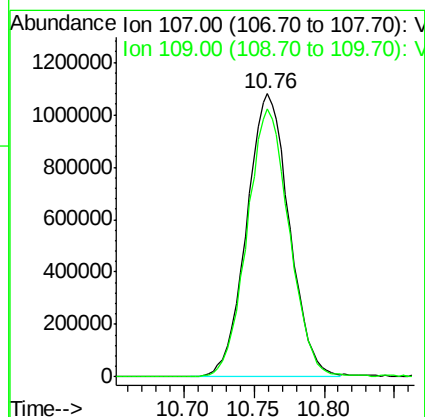
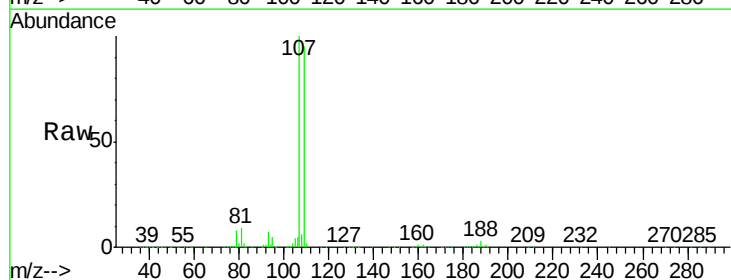
Acq: 28 Jan 2019 15:41

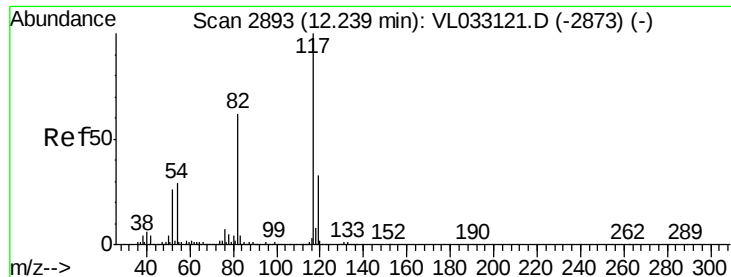
Tgt Ion: 107 Resp: 2275049

Ion Ratio Lower Upper

107 100

109 94.7 74.9 112.3





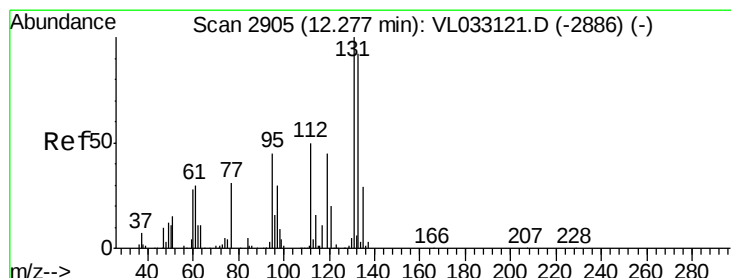
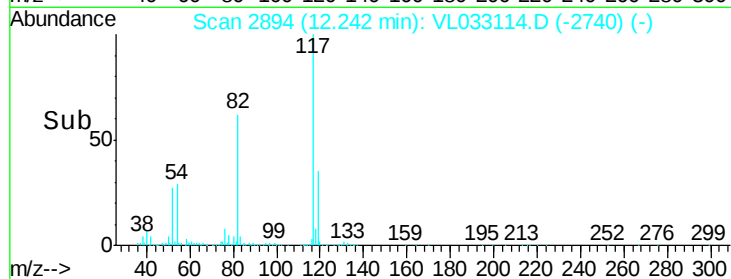
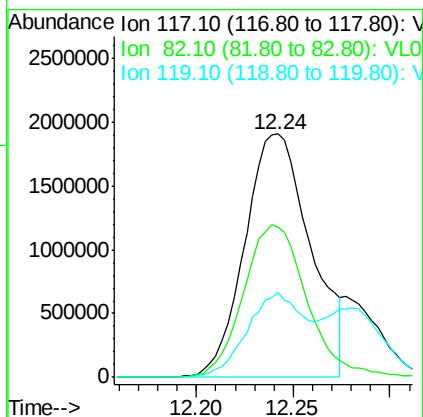
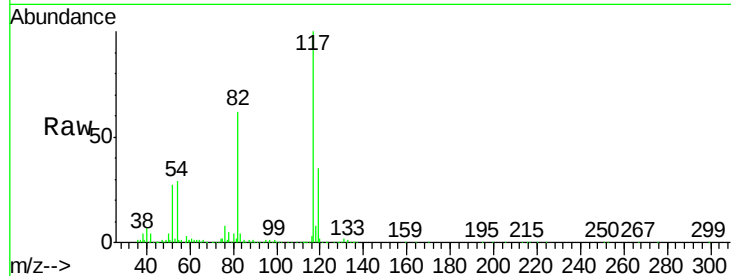
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 4537837
Ion Ratio Lower Upper
117 100
82 60.4 48.9 73.3
119 32.4 24.6 37.0

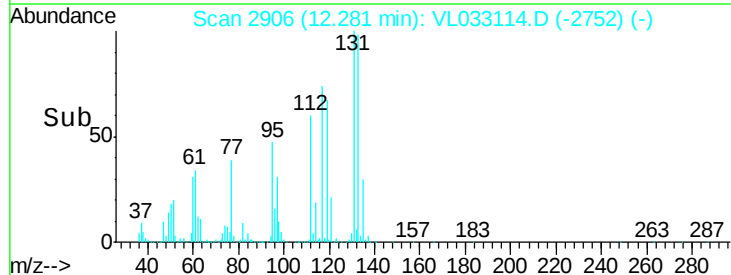
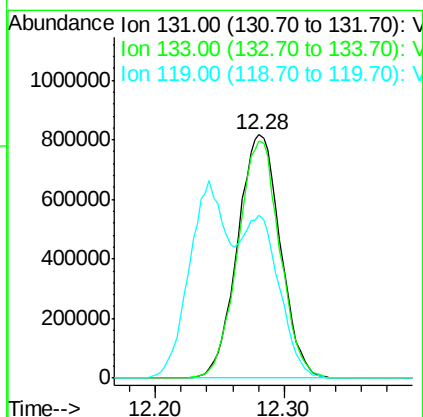
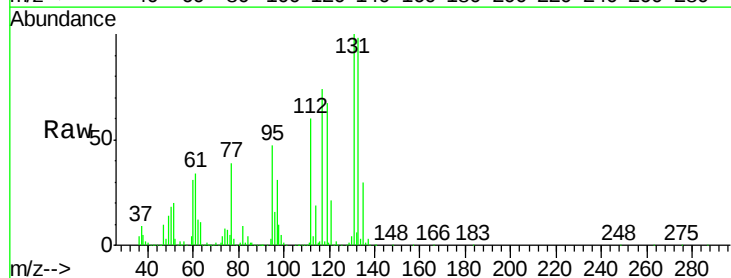
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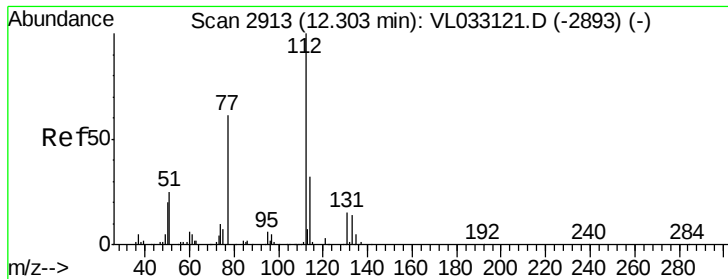
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.046 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion:131 Resp: 1886559
Ion Ratio Lower Upper
131 100
133 95.8 76.0 114.0
119 55.7 44.2 66.2





#57

Chlorobenzene

Concen: 8.355 ppbv

RT: 12.30 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

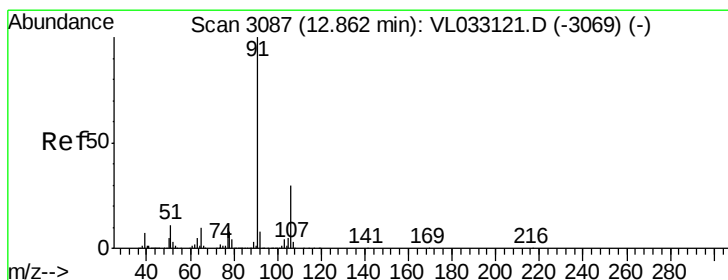
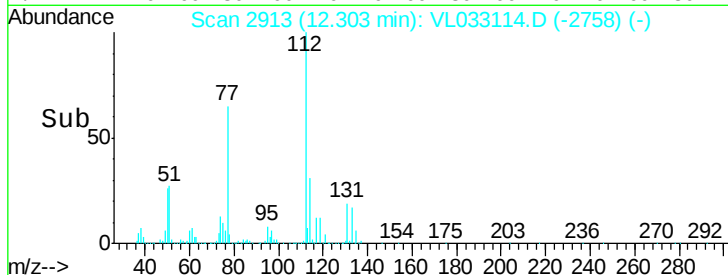
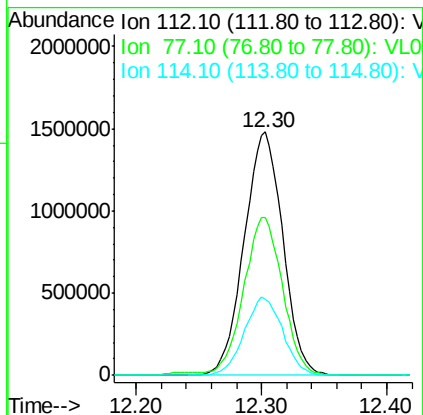
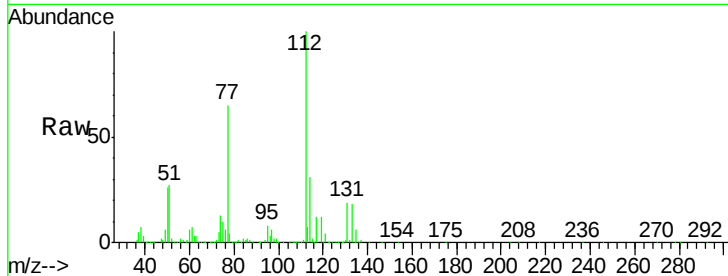
VSTDICCC010

Tot Ion: 112 Resp: 3164691

Ion	Ratio	Lower	Upper
112	100		
77	64.5	53.4	80.0
114	31.0	30.0	36.6

Manual Integrations
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#58

Ethyl Benzene

Concen: 9.624 ppbv

RT: 12.86 min Scan# 3087

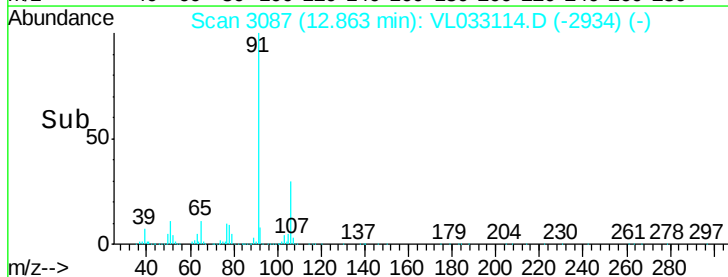
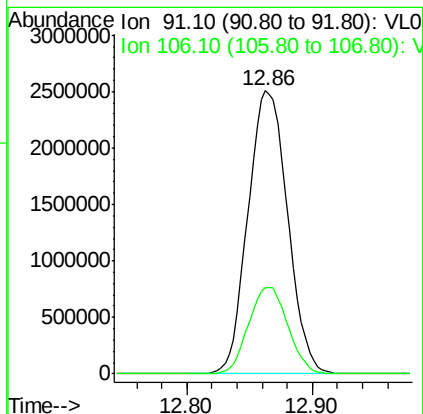
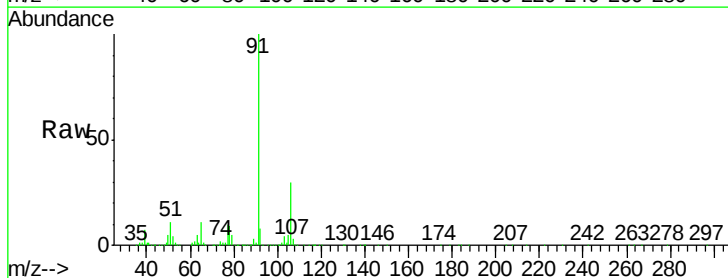
Delta R.T. -0.01 min

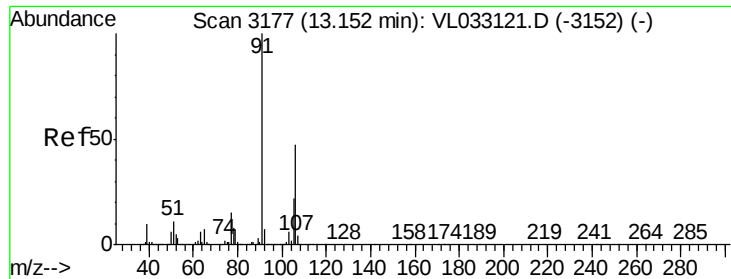
Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion: 91 Resp: 5513895

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5





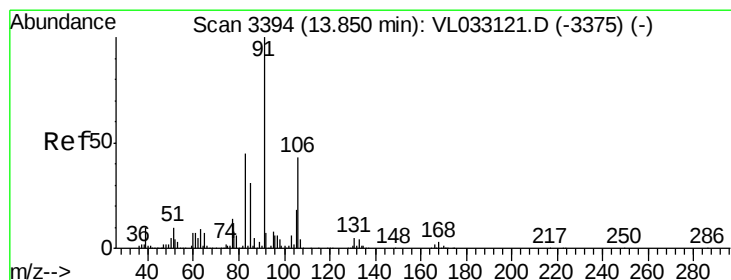
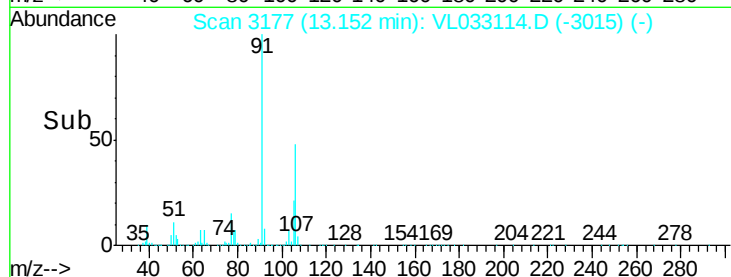
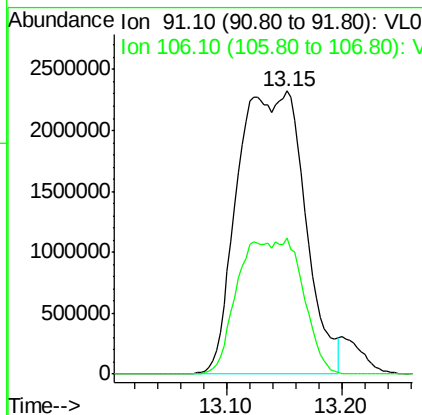
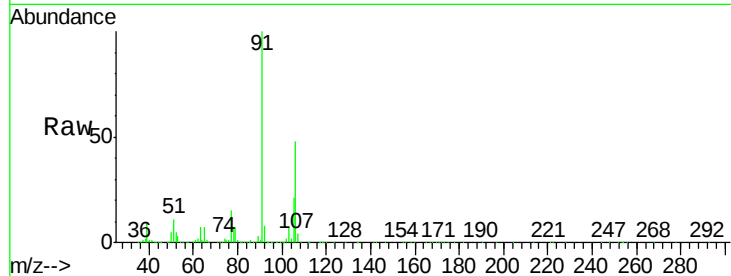
#59
m/p-Xylene
Concen: 17.734 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 91 Resp: 9399410
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

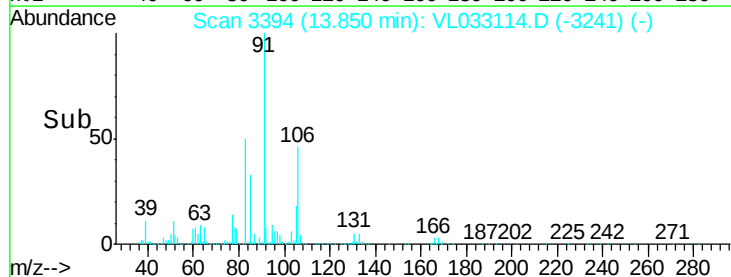
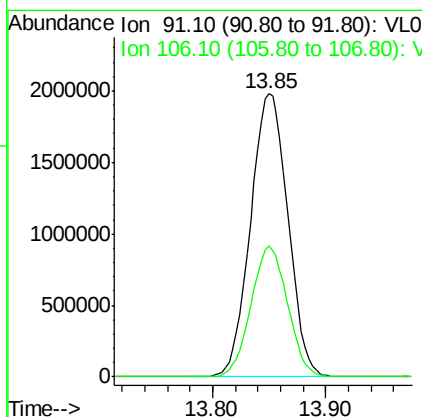
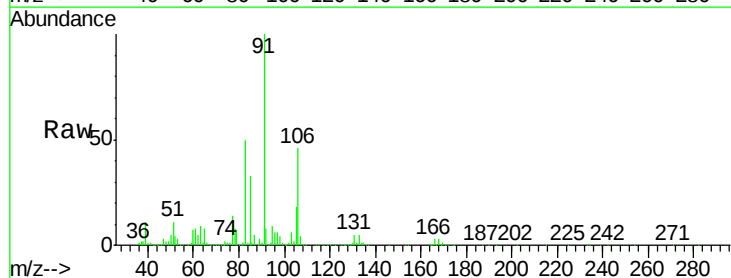
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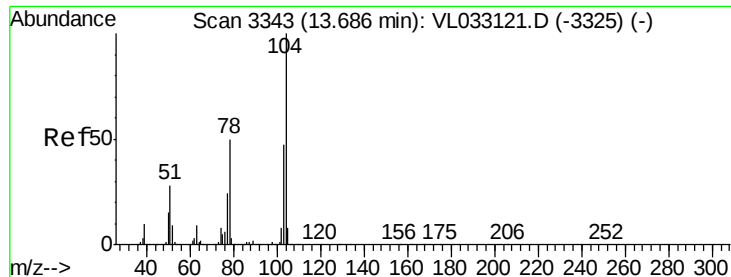
apatel
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#60
o-Xylene
Concen: 8.747 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 91 Resp: 4538752
Ion Ratio Lower Upper
91 100
106 45.2 22.1 66.5





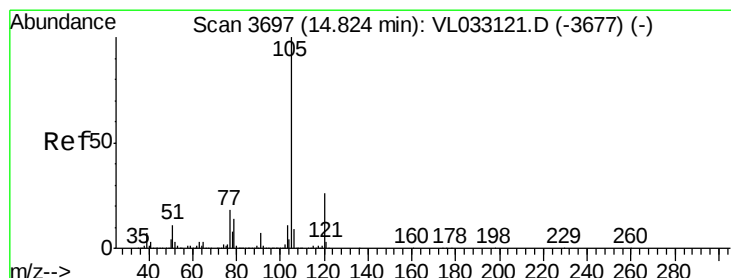
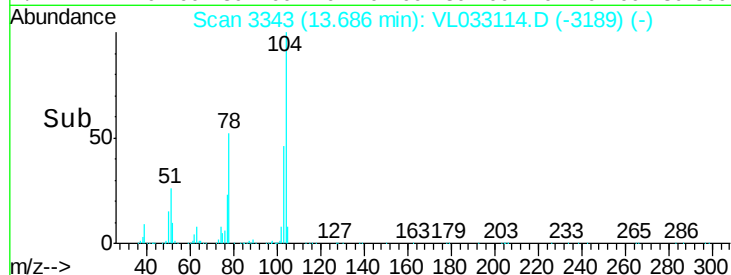
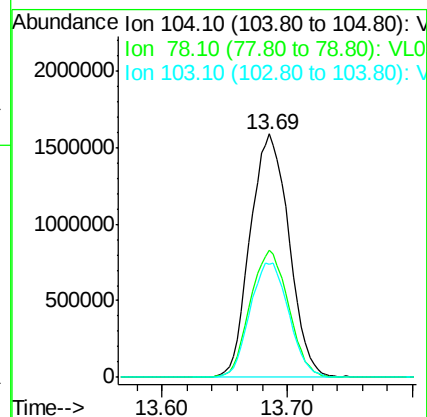
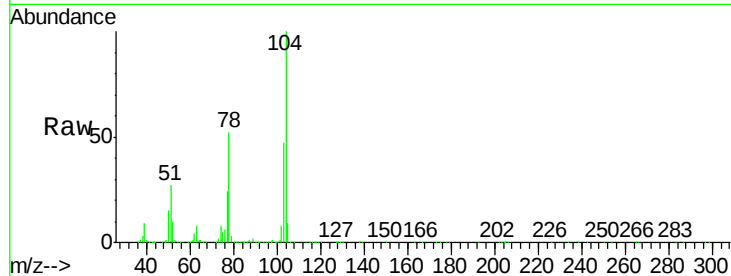
#61
Stvrene
Concen: 10.295 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.6	62.4
103	47.2	38.1	57.1

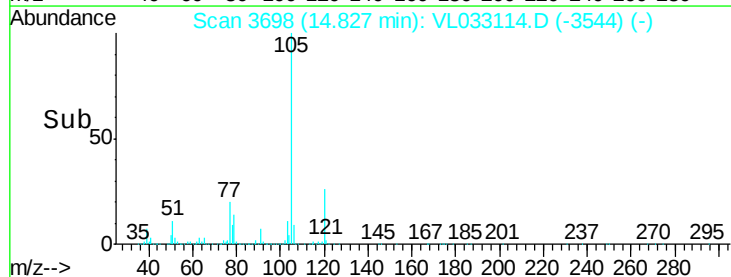
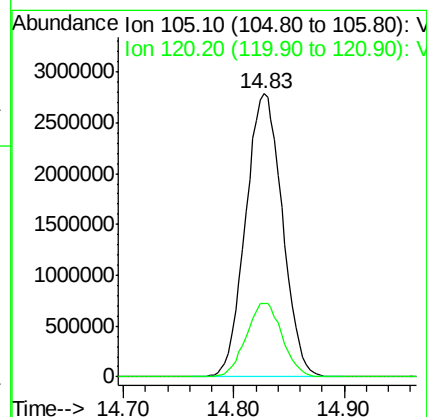
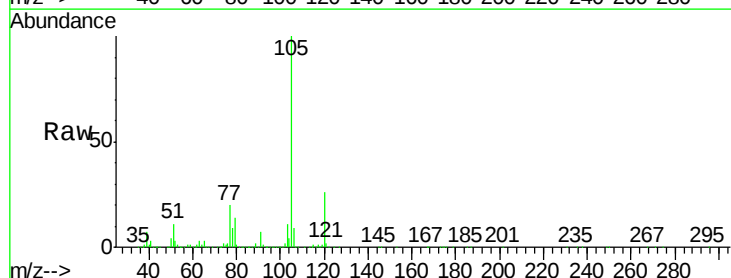
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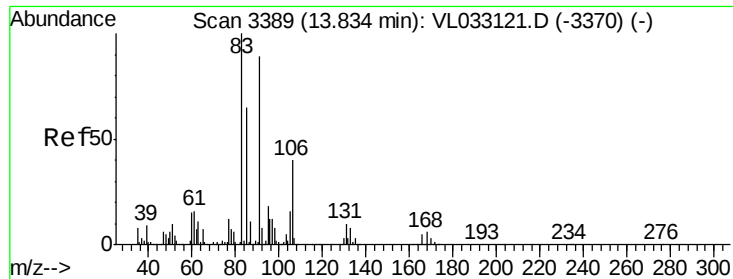
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#62
Isopropylbenzene
Concen: 8.698 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.4	30.6





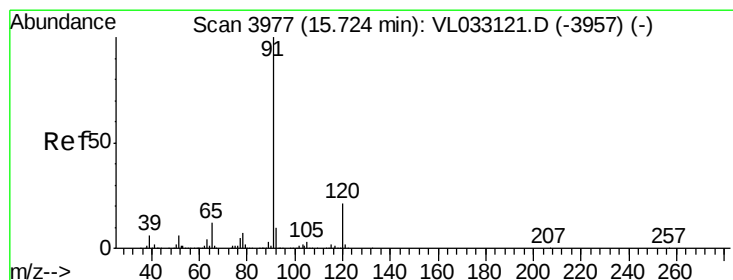
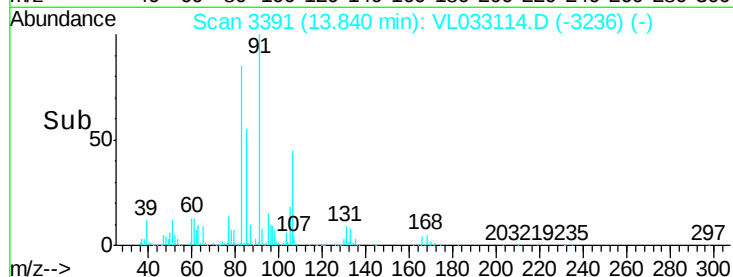
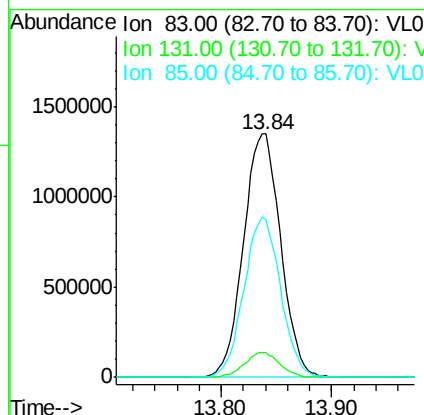
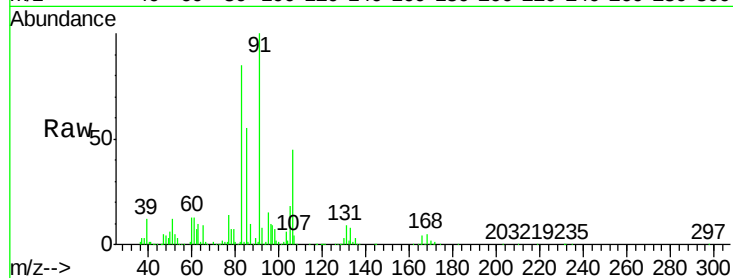
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.192 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	131	85
Resp	3157329	9.7	64.9
Lower		4.8	32.6
Upper		14.4	97.8

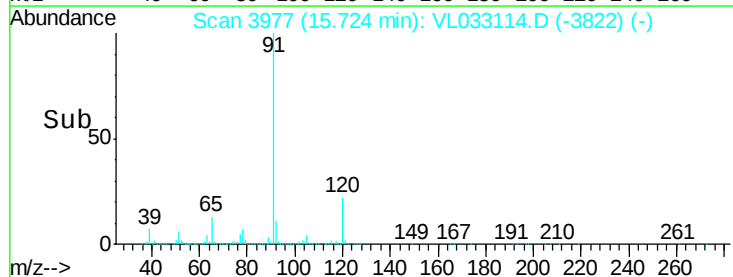
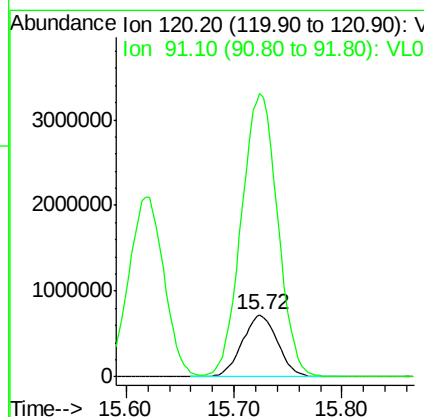
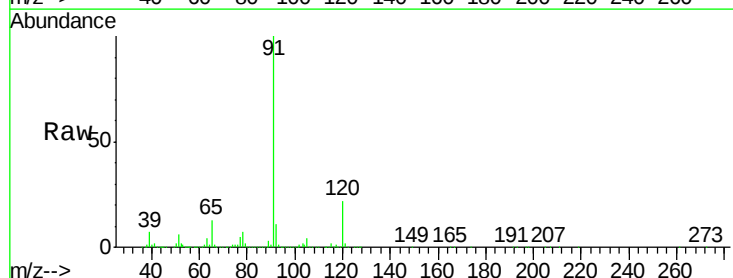
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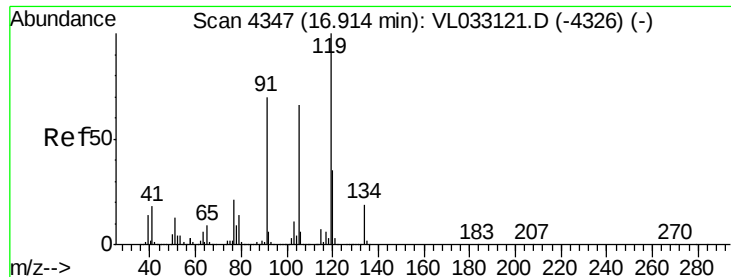
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#64
 n-propylbenzene
 Concen: 8.777 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Tgt Ion	120	91
Resp	1646397	469.6
Lower		378.7
Upper		568.1





#65

tert-Butylbenzene

Concen: 8.615 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

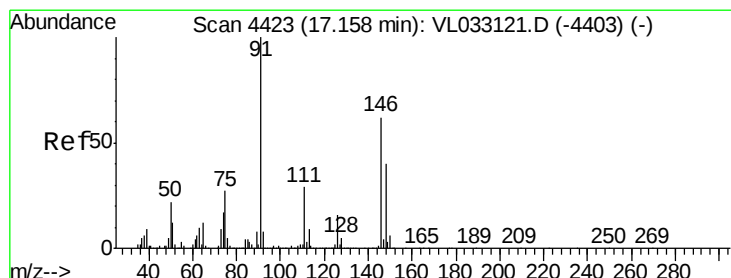
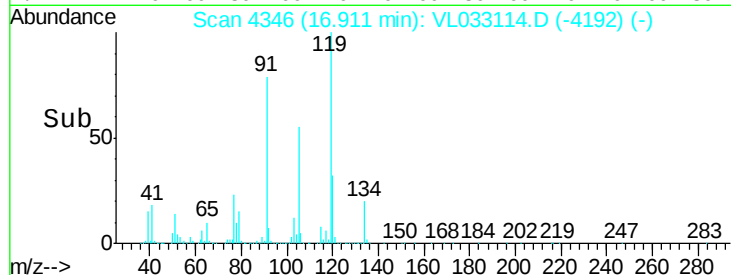
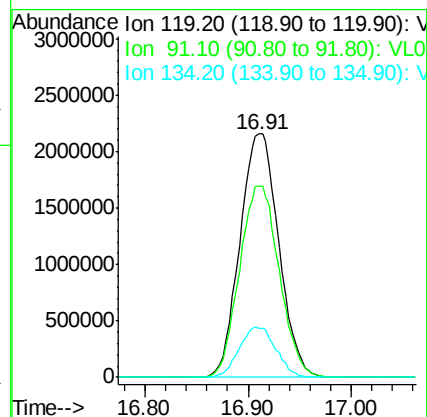
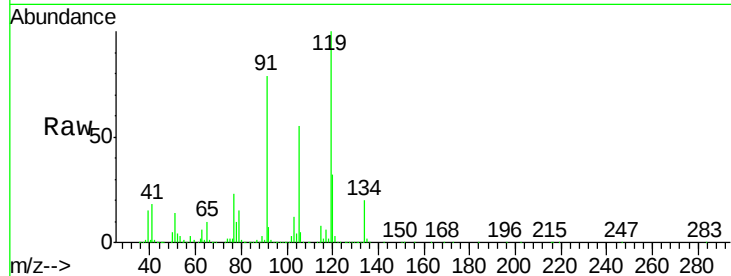
ClientSampleId :

VSTDICCC010

Tot Ion:	119	Resp:	5634771
Ion	Ratio	Lower	Upper
119	100		
91	80.6	64.6	97.0
134	19.6	15.8	23.8

Manual Integrations
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#66

Benzyl Chloride

Concen: 9.198 ppbv

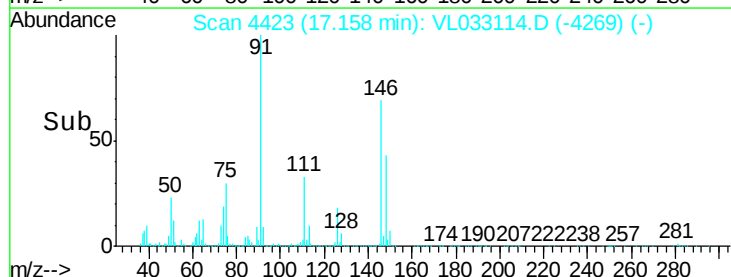
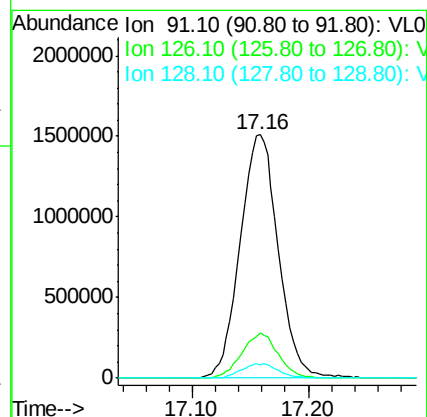
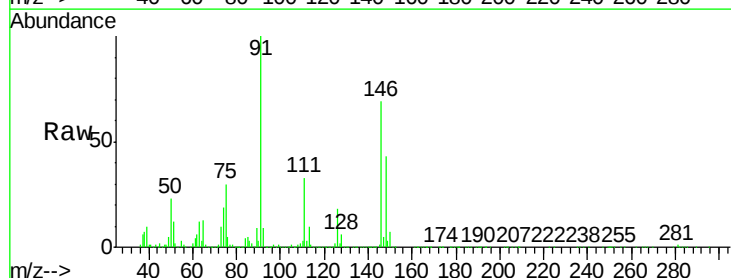
RT: 17.16 min Scan# 4423

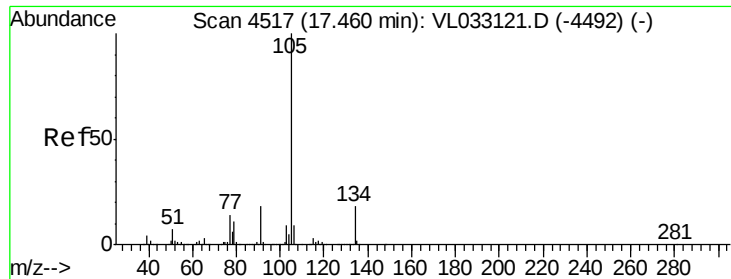
Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion:	91	Resp:	3428779
Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.4	21.6
128	5.8	4.5	6.7





#67

sec-Butylbenzene

Concen: 8.521 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 7976272

Ion Ratio Lower Upper

105 100

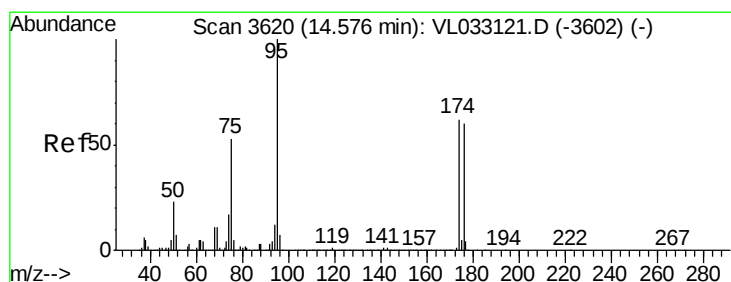
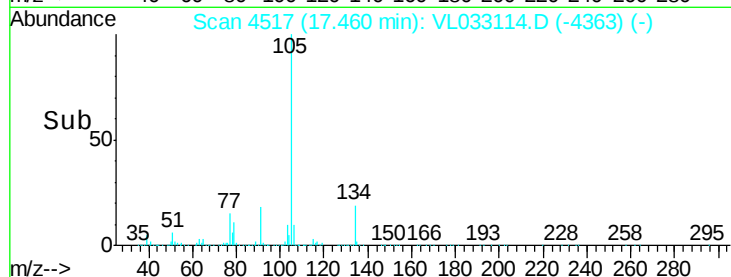
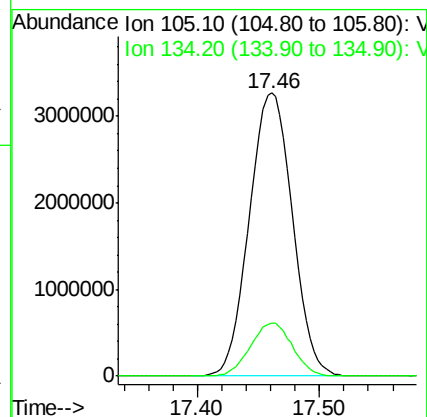
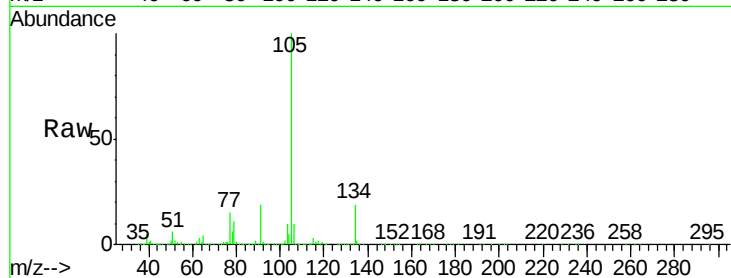
134 18.5 14.6 21.8

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.435 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

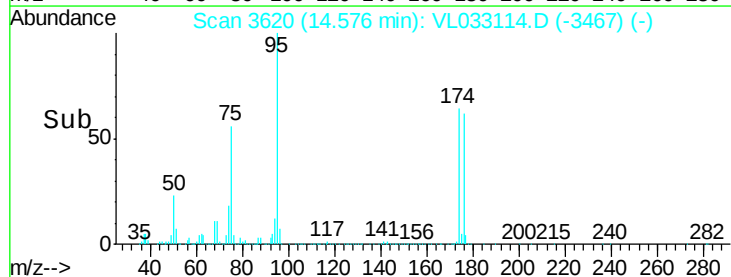
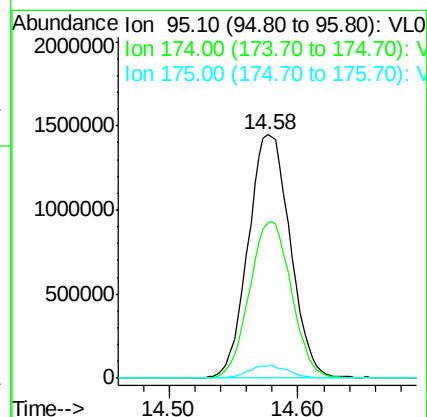
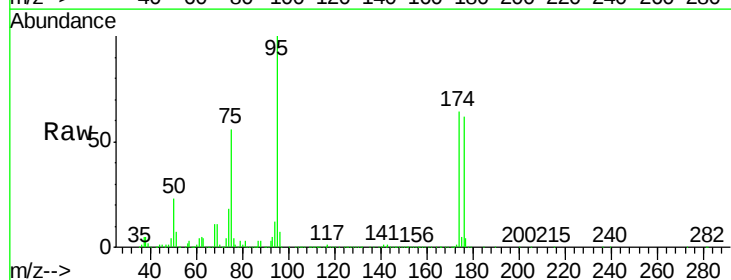
Tgt Ion: 95 Resp: 3281808

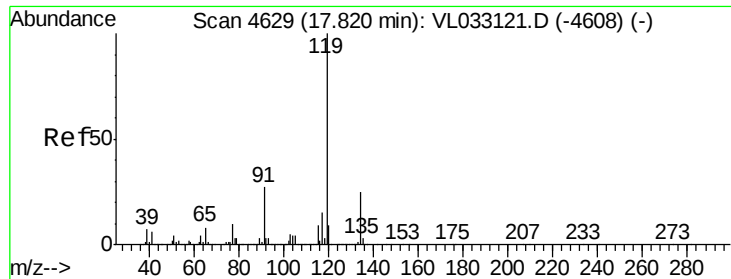
Ion Ratio Lower Upper

95 100

174 64.3 51.9 77.9

175 5.0 3.9 5.9





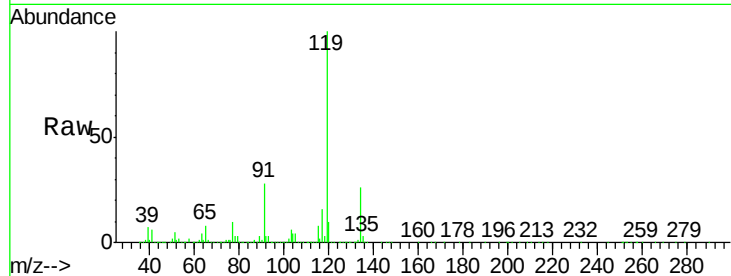
#69
 p-Isopropyltoluene
 Concen: 8.746 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	28.5	23.0	34.4

Manual Integrations
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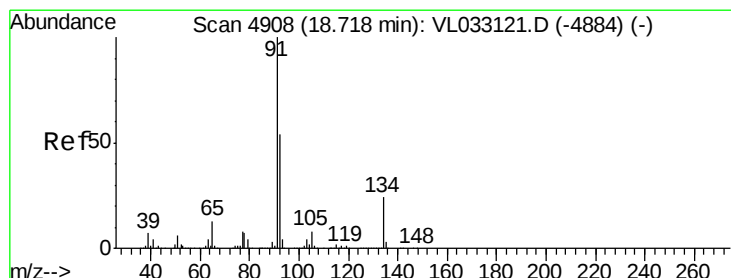
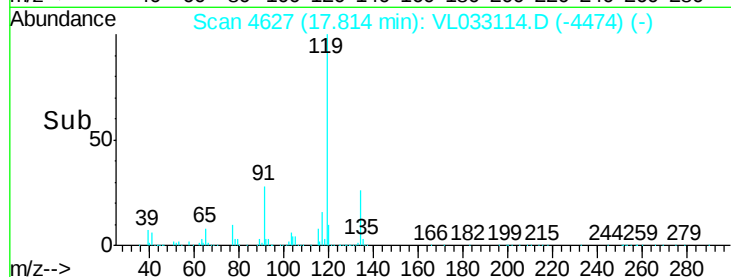
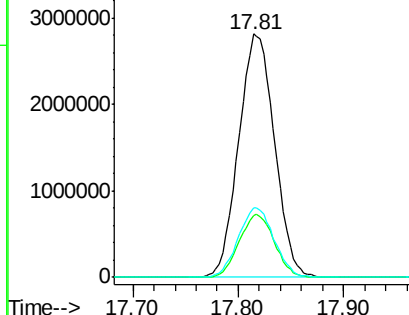
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Abundance Ion 119.10 (118.80 to 119.80): V

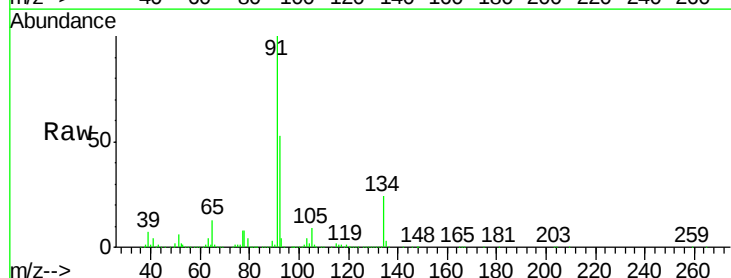
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 8.863 ppbv
 RT: 18.72 min Scan# 4908
 Delta R.T. -0.00 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

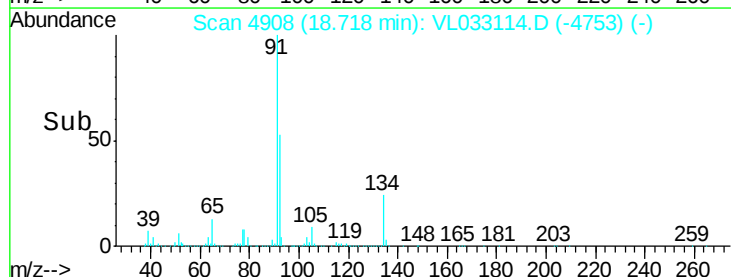
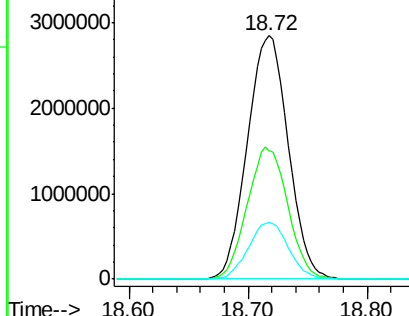
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.4	63.6
134	23.0	18.0	27.0

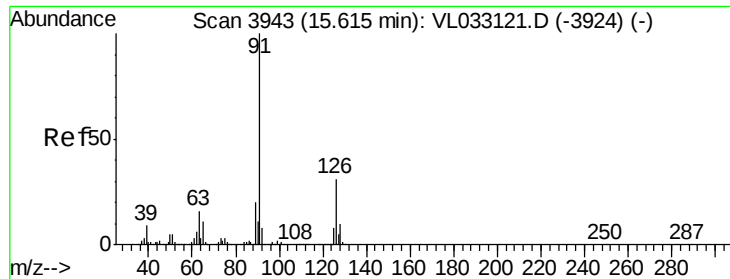


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





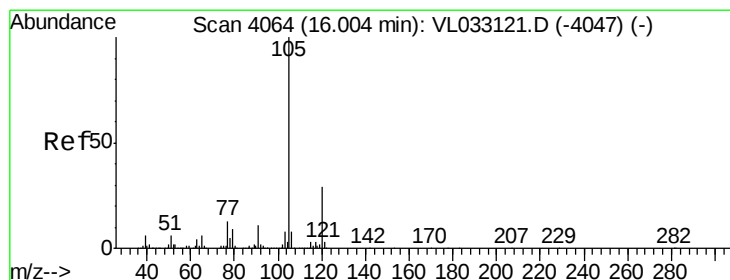
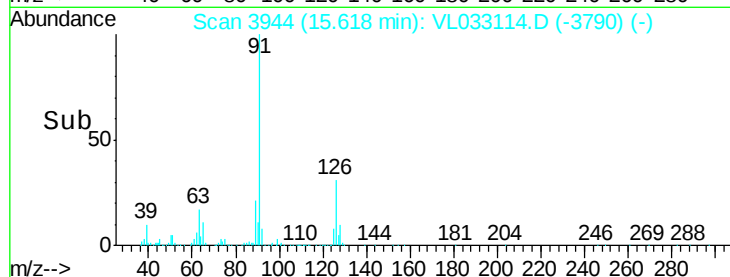
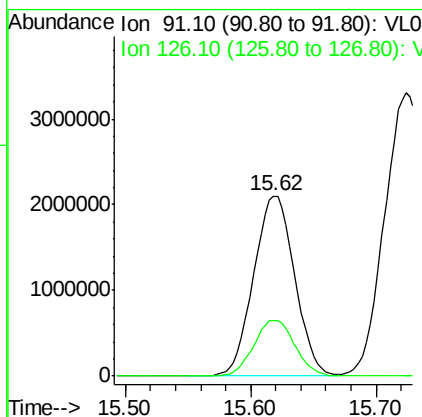
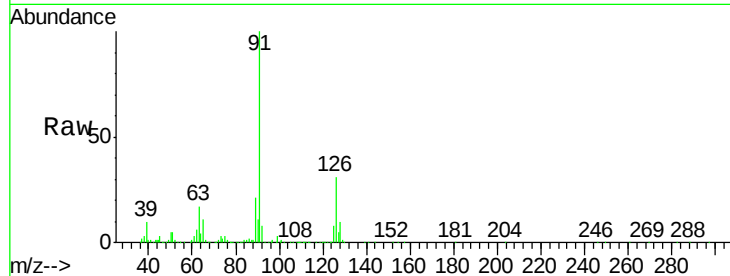
#71
2-Chlorotoluene
Concen: 9.133 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 4782611
Ion Ratio Lower Upper
91 100
126 31.1 12.4 49.6

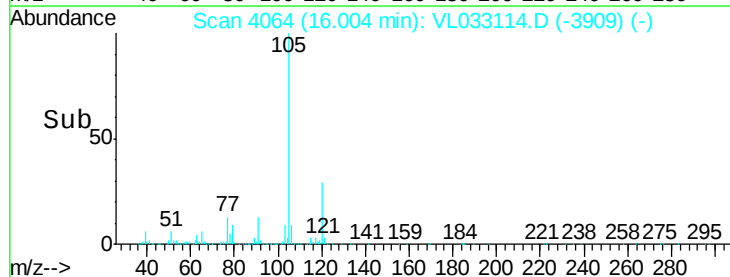
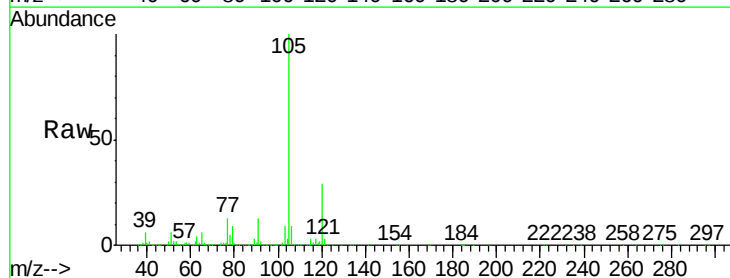
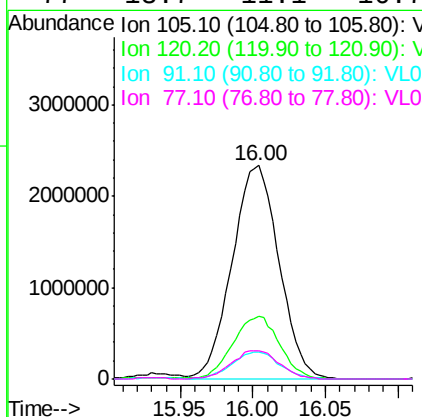
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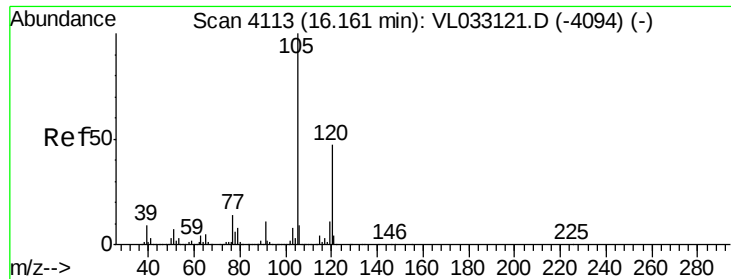
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#72
4-Ethyltoluene
Concen: 9.176 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033114.D
Acq: 28 Jan 2019 15:41

Tgt Ion: 105 Resp: 5232528
Ion Ratio Lower Upper
105 100
120 29.4 23.0 34.6
91 12.9 10.3 15.5
77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.850 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4979107

Ion Ratio Lower Upper

105 100

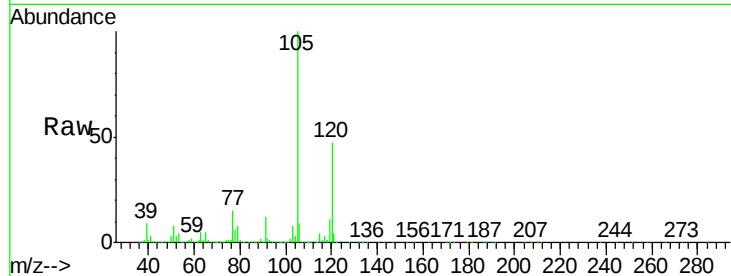
120 46.9 36.1 54.1

Manual Integrations

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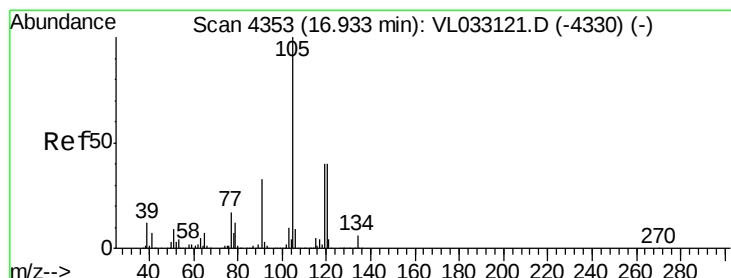
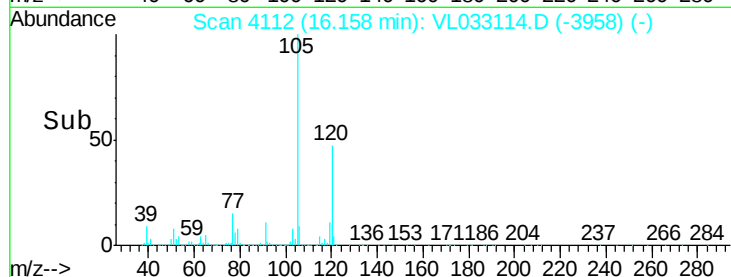
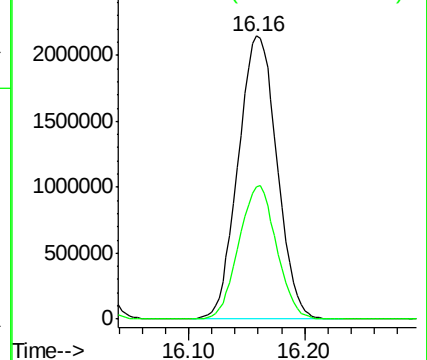
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.250 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion:105 Resp: 5140773

Ion Ratio Lower Upper

105 100

120 47.4 37.0 55.4

91 49.8 35.4 53.0

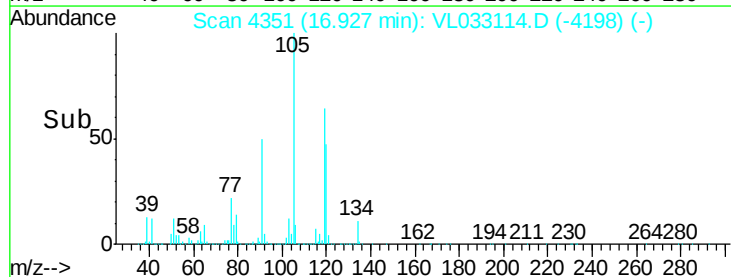
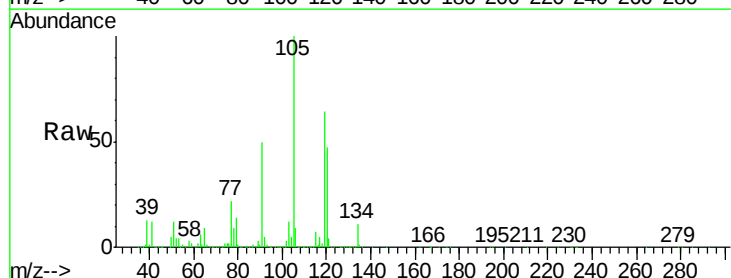
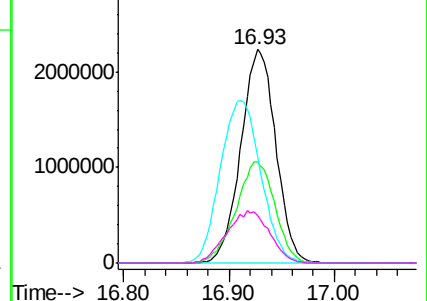
77 22.3 17.1 25.7

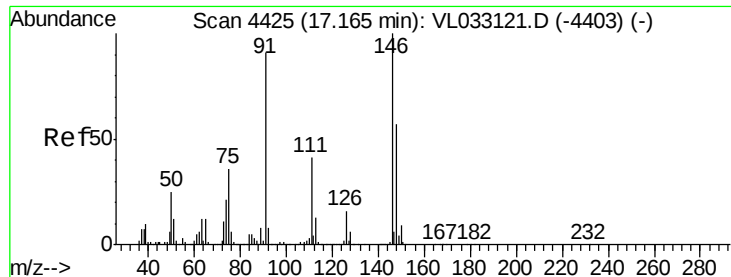
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.956 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 2918140

Ion Ratio Lower Upper

146 100

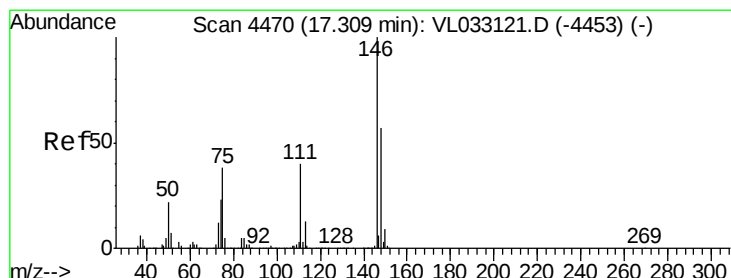
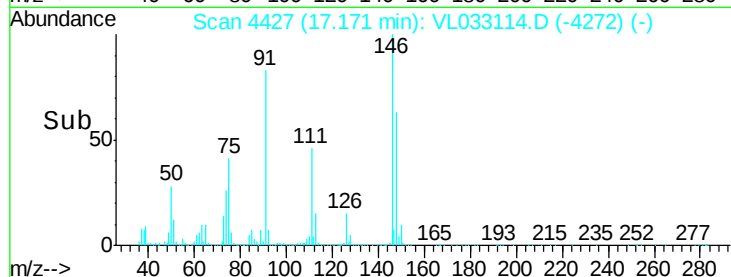
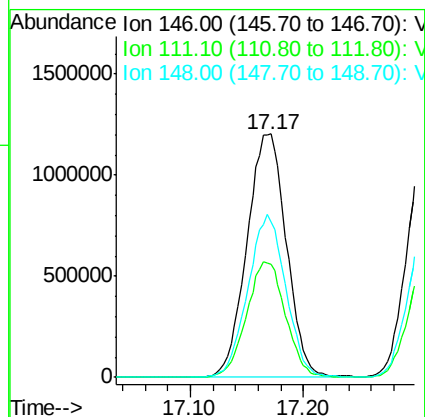
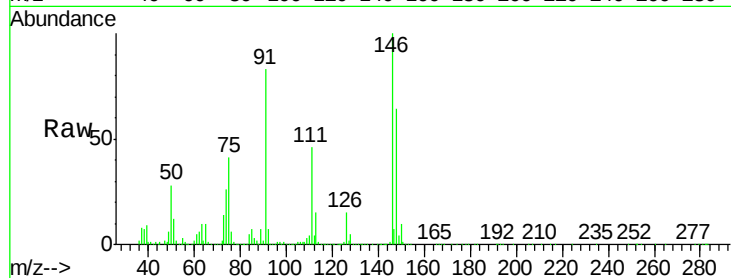
111 46.7 23.4 70.2

148 64.2 32.1 96.3

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#76

1,4-Dichlorobenzene

Concen: 8.658 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

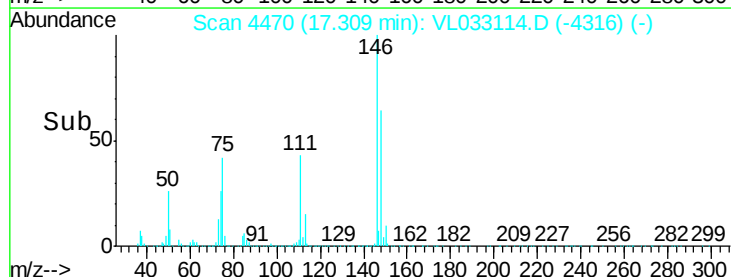
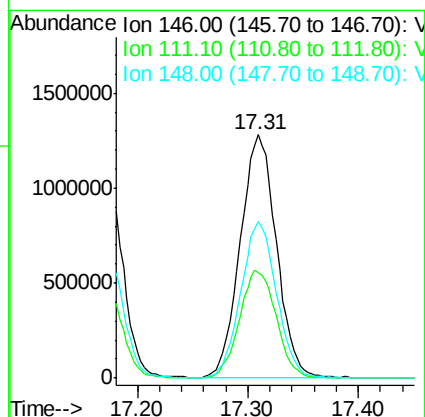
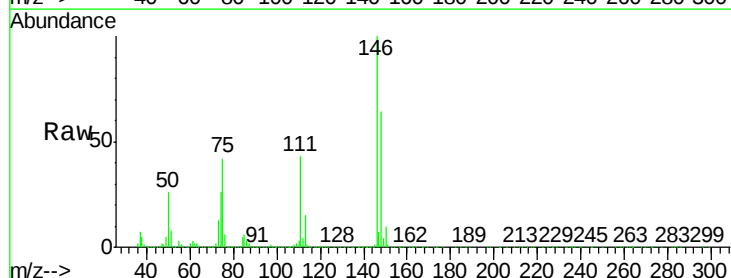
Tgt Ion:146 Resp: 2892612

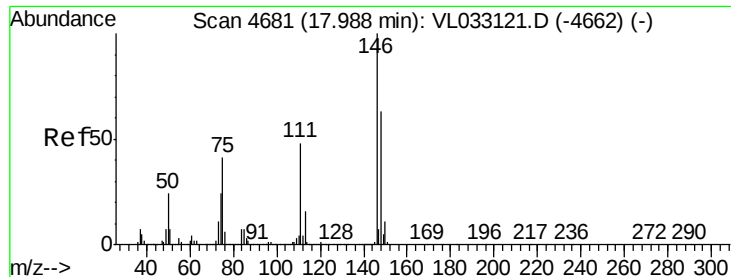
Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.1

148 64.2 32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 8.543 ppbv

RT: 17.99 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

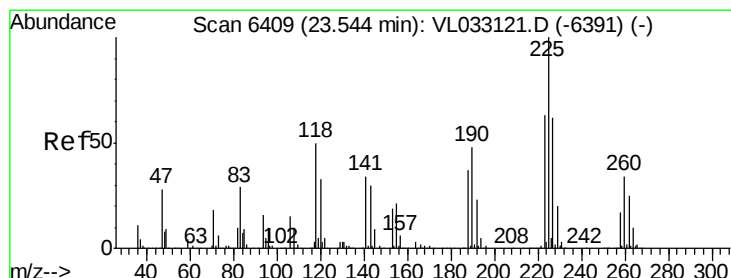
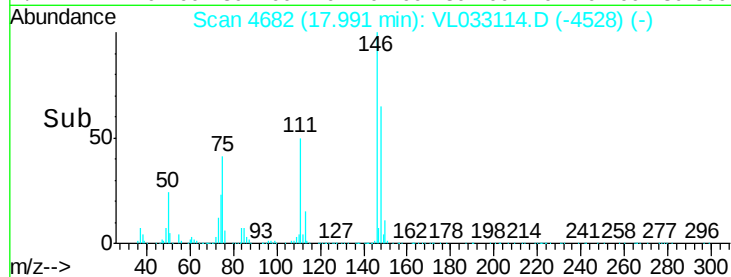
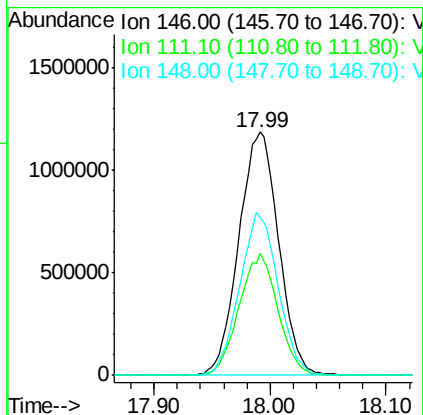
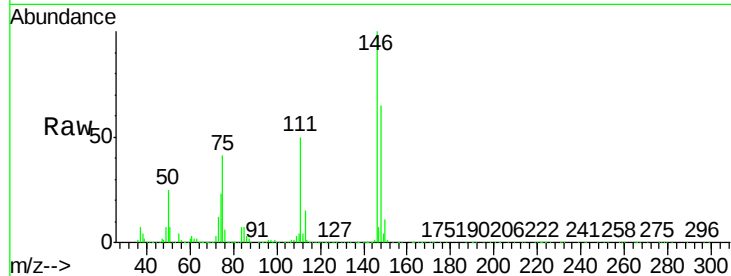
ClientSampleId :

VSTDICCC010

Tot Ion:	146	Resp:	2821647
Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.4	73.2
148	65.1	32.3	96.9

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#78

Hexachloro-1,3-Butadiene

Concen: 5.061 ppbv

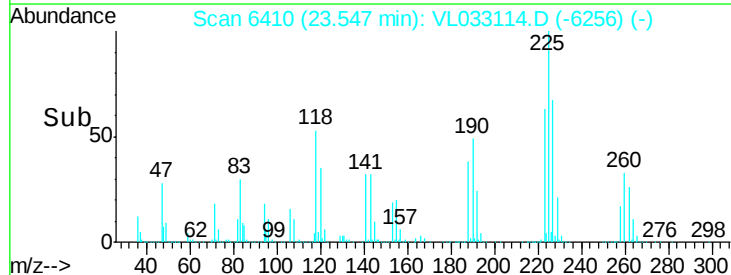
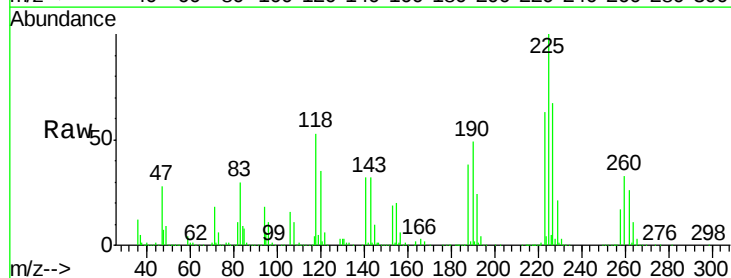
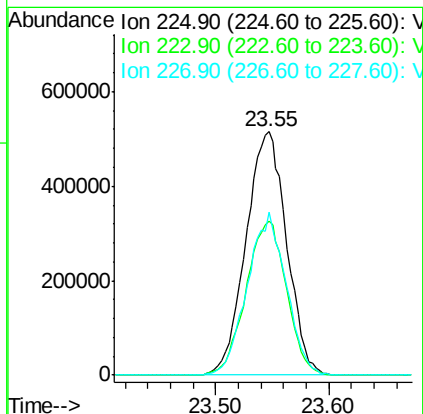
RT: 23.55 min Scan# 6410

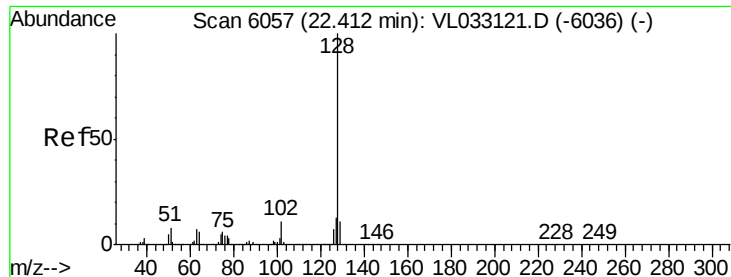
Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Tgt Ion:	225	Resp:	1284030
Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.6
227	63.7	51.0	76.4





#79

Naphthalene

Concen: 8.211 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.01 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4309647

Ion Ratio Lower Upper

128 100

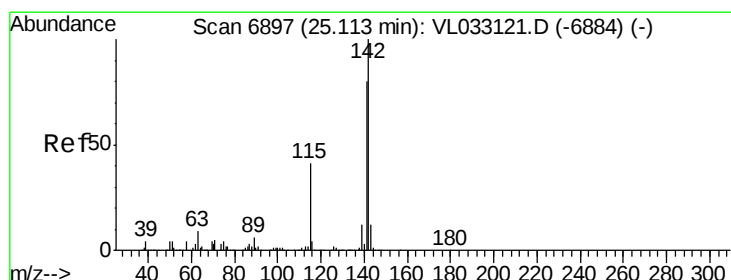
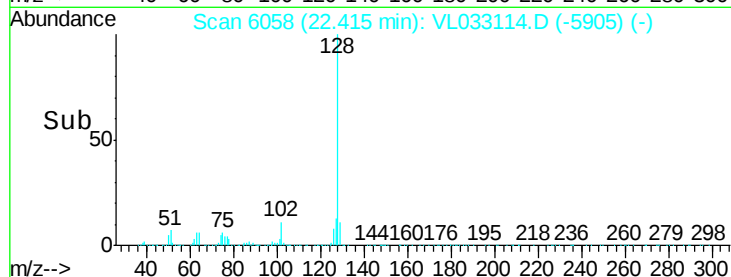
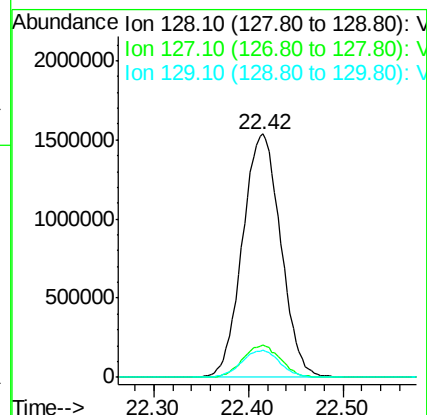
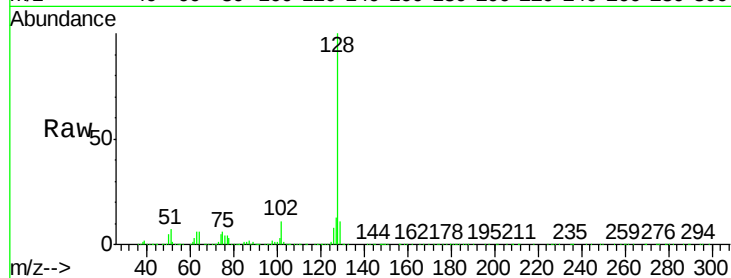
127 13.2 11.0 16.6

129 11.5 9.4 14.0

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#80

Naphthalene, 2-methyl-

Concen: 9.912 ppbv

RT: 25.12 min Scan# 6898

Delta R.T. -0.00 min

Lab File: VL033114.D

Acq: 28 Jan 2019 15:41

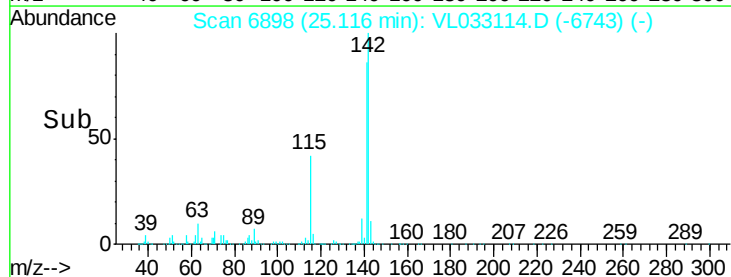
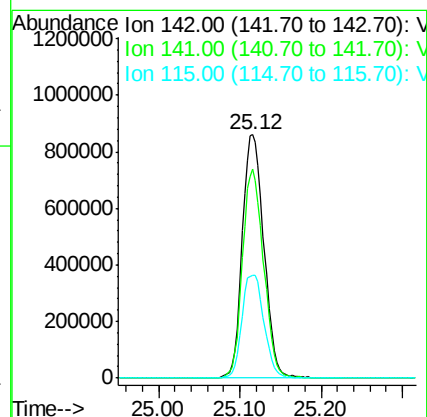
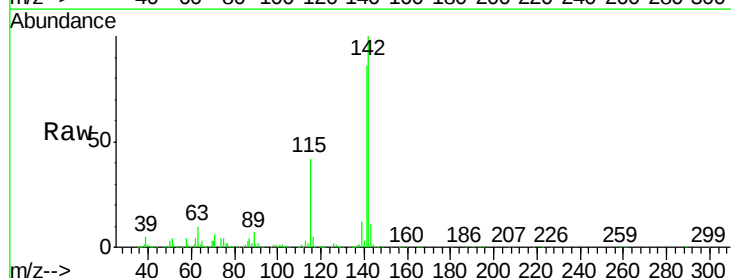
Tgt Ion:142 Resp: 1578630

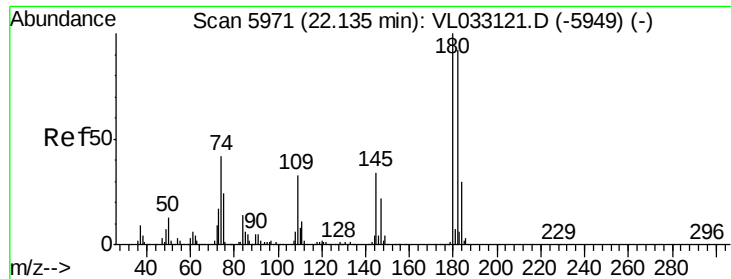
Ion Ratio Lower Upper

142 100

141 84.3 68.6 103.0

115 43.6 35.6 53.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.114 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033114.D
 Acq: 28 Jan 2019 15:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
184	30.3	24.6	37.0

Manual Integrations
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