

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000994.D
 Acq On : 19 Apr 2018 17:38
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:29 PM

Quant Time: Apr 20 04:45:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	16050	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
35) Dibromofluoromethane	5.51	113	12214	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
50) Toluene-d8	8.72	98	47044	5.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.72%	
62) 4-Bromofluorobenzene	11.14	95	19679	5.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	11645	5.11	ug/l	99
3) Chloromethane	1.32	50	13034	5.56	ug/l	97
4) Vinyl Chloride	1.41	62	13405	5.87	ug/l	100
5) Bromomethane	1.64	94	9493	6.32	ug/l	97
6) Chloroethane	1.73	64	8388	5.23	ug/l	99
7) Trichlorofluoromethane	1.93	101	21304	6.17	ug/l	100
8) Diethyl Ether	2.19	74	8131	6.15	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12737	6.17	ug/l	100
10) Methyl Iodide	2.52	142	5618	3.01	ug/l	98
11) Tert butyl alcohol	3.07	59	12613	32.13	ug/l	97
12) 1,1-Dichloroethene	2.38	96	11162	5.67	ug/l	94
13) Acrolein	2.30	56	4739	59.32	ug/l	100
14) Allyl chloride	2.73	41	20223	5.51	ug/l	98
15) Acrylonitrile	3.15	53	30875	29.75	ug/l	99
16) Acetone	2.45	43	29125	29.67	ug/l	100
17) Carbon Disulfide	2.57	76	30758	5.02	ug/l	99
18) Methyl Acetate	2.78	43	14740	5.80	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	39386	6.14	ug/l	99
20) Methylene Chloride	2.86	84	13683	5.94	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	12922	5.80	ug/l	96
22) Diisopropyl ether	3.88	45	39278	5.60	ug/l	93
23) Vinyl Acetate	3.83	43	168278	29.38	ug/l	98
24) 1,1-Dichloroethane	3.70	63	22654	5.99	ug/l	98
25) 2-Butanone	4.71	43	45115	29.86	ug/l	100
26) 2,2-Dichloropropane	4.59	77	18878	5.69	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	14297	5.93	ug/l	98
28) Bromochloromethane	5.03	49	8816	5.56	ug/l	99
29) Tetrahydrofuran	5.18	42	27842	28.91	ug/l	99
30) Chloroform	5.22	83	23633	6.06	ug/l	95
31) Cyclohexane	5.58	56	20804	6.07	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	20560	5.92	ug/l	99
36) 1,1-Dichloropropene	5.81	75	18683	6.14	ug/l	99
37) Ethyl Acetate	4.87	43	17812	6.28	ug/l	100
38) Carbon Tetrachloride	5.79	117	17787	5.62	ug/l	99

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Instrument :
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Manual Integrations
 APPROVED

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	21567	5.93	ug/l	92
40) Benzene	6.15	78	52222	6.15	ug/l	98
41) Methacrylonitrile	5.06	41	10649	6.00	ug/l	98
42) 1,2-Dichloroethane	6.21	62	20503	6.22	ug/l	99
43) Isopropyl Acetate	6.47	43	28864	6.02	ug/l	99
44) Trichloroethene	7.22	130	16047	6.00	ug/l	95
45) 1,2-Dichloropropane	7.52	63	12079	5.48	ug/l	95
46) Dibromomethane	7.67	93	9044	5.95	ug/l	98
47) Bromodichloromethane	7.91	83	15750	5.59	ug/l	96
48) Methyl methacrylate	7.78	41	15695	5.83	ug/l	98
49) 1,4-Dioxane	7.76	88	4561	124.46	ug/l #	88
51) 4-Methyl-2-Pentanone	8.66	43	88971	30.62	ug/l	100
52) Toluene	8.79	92	34164	6.13	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	18599	5.50	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	16601	5.15	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	13091	6.04	ug/l	98
56) Ethyl methacrylate	9.19	69	18646	5.68	ug/l	97
57) 1,3-Dichloropropane	9.38	76	22233	6.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	46207	30.88	ug/l	100
59) 2-Hexanone	9.51	43	67986	30.51	ug/l	97
60) Dibromochloromethane	9.59	129	12636	5.29	ug/l	98
61) 1,2-Dibromoethane	9.68	107	13595	5.81	ug/l	98
64) Tetrachloroethene	9.34	164	16335	6.07	ug/l	97
65) Chlorobenzene	10.15	112	40017	6.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	12539	5.42	ug/l	98
67) Ethyl Benzene	10.26	91	66466	6.09	ug/l	99
68) m/p-Xylenes	10.37	106	52692	12.18	ug/l	99
69) o-Xylene	10.70	106	24721	5.87	ug/l	97
70) Styrene	10.72	104	40685	5.84	ug/l	99
71) Bromoform	10.86	173	8887	4.47	ug/l #	97
73) Isopropylbenzene	11.02	105	68412	6.00	ug/l	99
74) N-amyl acetate	6.47	43	28864	6.06	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	18695	5.81	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	18022m	5.09	ug/l	
77) Bromobenzene	11.26	156	19335	5.80	ug/l	97
78) n-propylbenzene	11.37	91	78791	5.98	ug/l	100
79) 2-Chlorotoluene	11.43	91	46602	5.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	57904	5.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	3844	4.27	ug/l #	80
82) 4-Chlorotoluene	11.52	91	55686	5.93	ug/l	99
83) tert-Butylbenzene	11.77	119	56711	5.70	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	59280	6.01	ug/l	97
85) sec-Butylbenzene	11.95	105	69386	5.81	ug/l	100
86) p-Isopropyltoluene	12.07	119	63344	5.75	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	37851	6.05	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	37709	5.92	ug/l	94
89) n-Butylbenzene	12.39	91	56974	5.73	ug/l	98
90) Hexachloroethane	12.60	117	7678	4.82	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	35885	5.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3751	5.58	ug/l	94

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MSVOA_X
ClientSampleId :
VSTDICC005

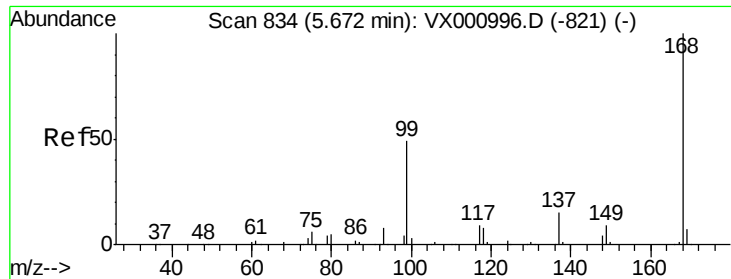
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 20 04:18:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30014	5.62	ug/l	97
94) Hexachlorobutadiene	13.79	225	13511	5.69	ug/l	97
95) Naphthalene	13.84	128	72099	5.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	28961	5.81	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 238743

Ion Ratio Lower Upper

168 100

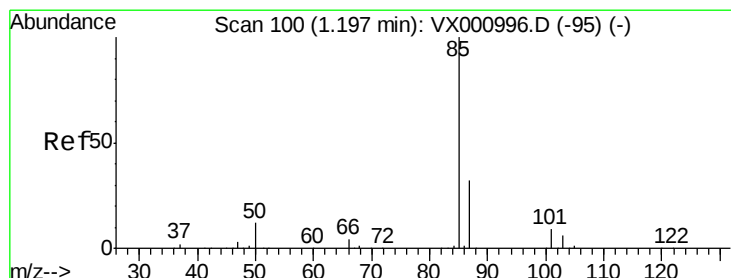
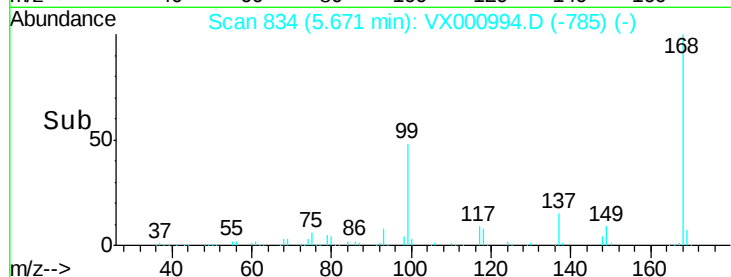
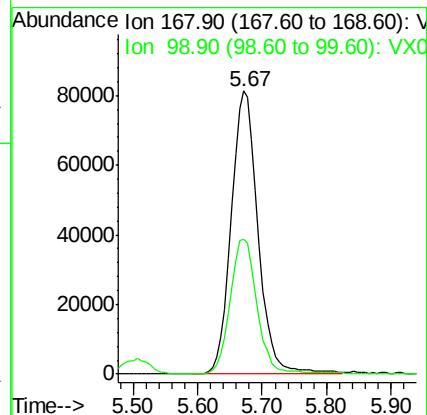
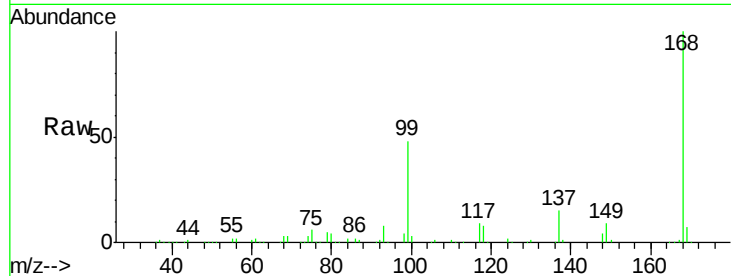
99 47.7 39.2 58.8

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4/20/2018 2:09:29 PM



#2

Dichlorodifluoromethane

Concen: 5.11 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000994.D

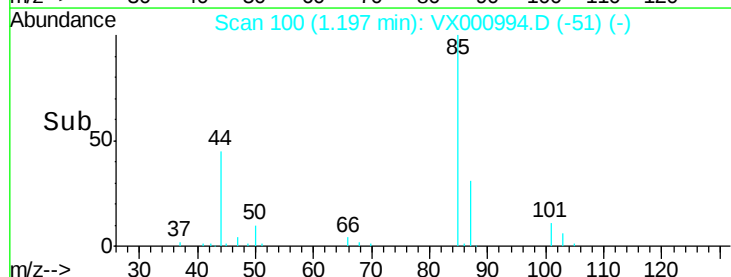
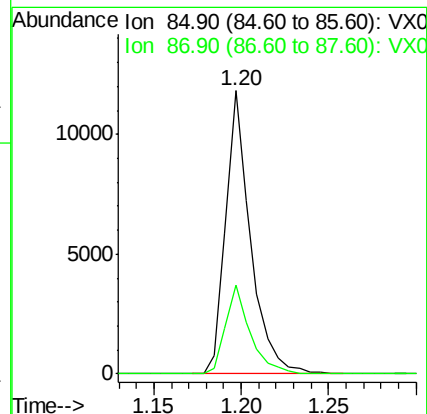
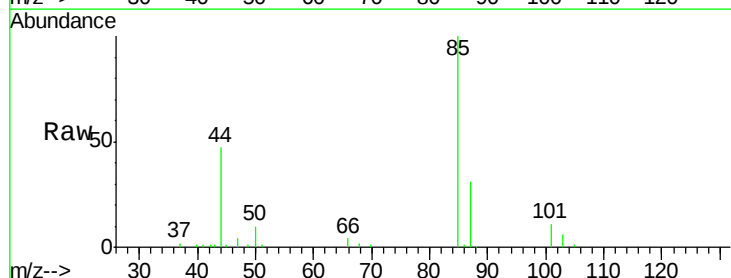
Acq: 19 Apr 2018 17:38

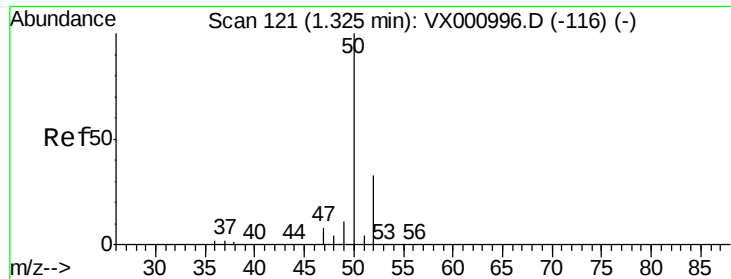
Tgt Ion: 85 Resp: 11645

Ion Ratio Lower Upper

85 100

87 31.3 15.8 47.4





#3

Chloromethane

Concen: 5.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13034

Ion Ratio Lower Upper

50 100

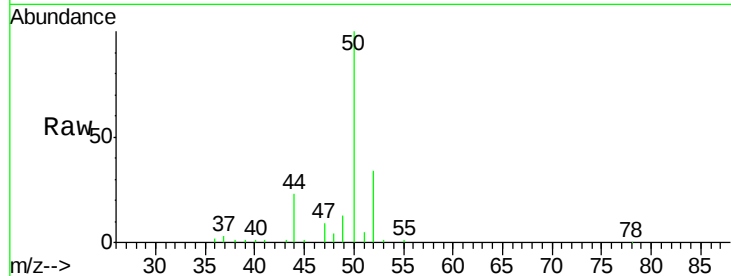
52 34.3 26.3 39.5

Manual Integrations

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4/20/2018 2:09:29 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

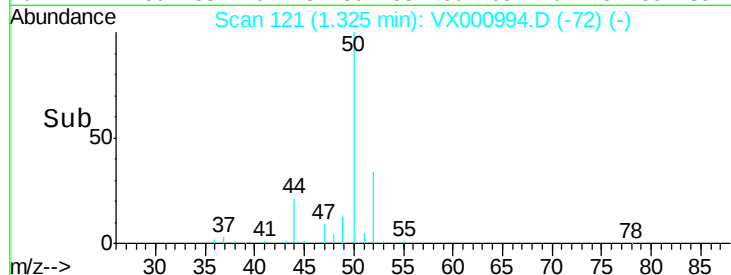
15000

10000

5000

0

Time-->

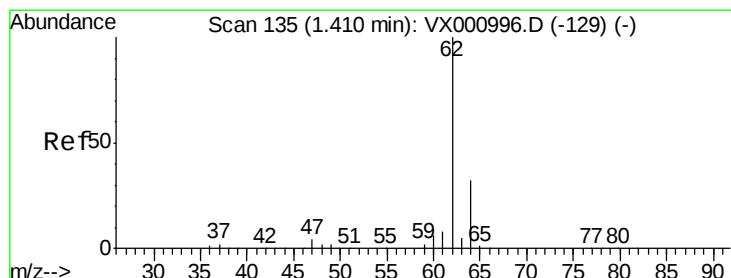


1.32

1.30

1.35

1.40



#4

Vinyl Chloride

Concen: 5.87 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000994.D

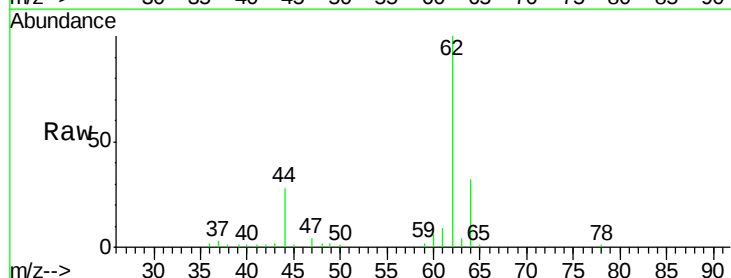
Acq: 19 Apr 2018 17:38

Tgt Ion: 62 Resp: 13405

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

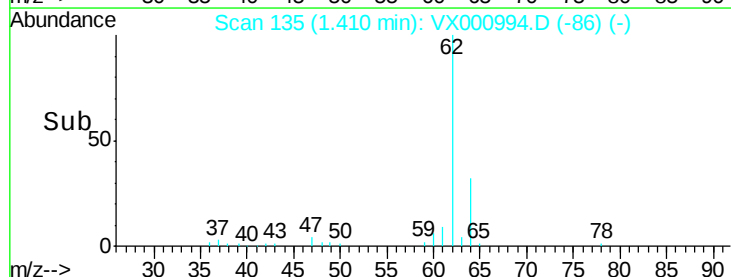
15000

10000

5000

0

Time-->

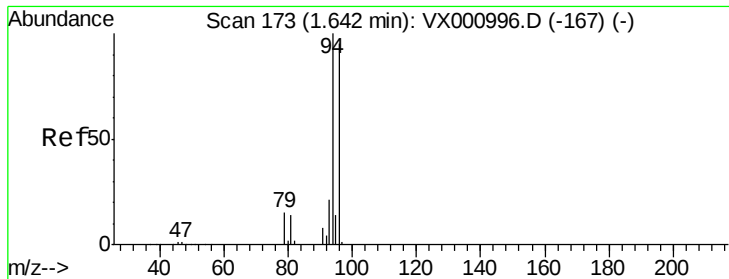


1.41

1.35

1.40

1.45



#5

Bromomethane

Concen: 6.32 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9493

Ion Ratio Lower Upper

94 100

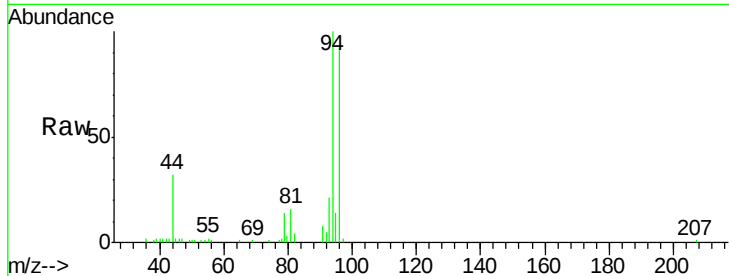
96 92.1 76.0 114.0

Manual Integrations

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4/20/2018 2:09:29 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

8000

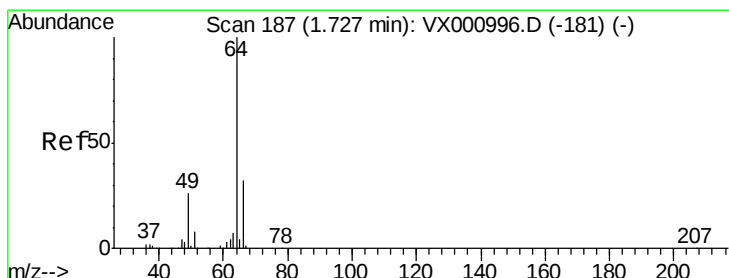
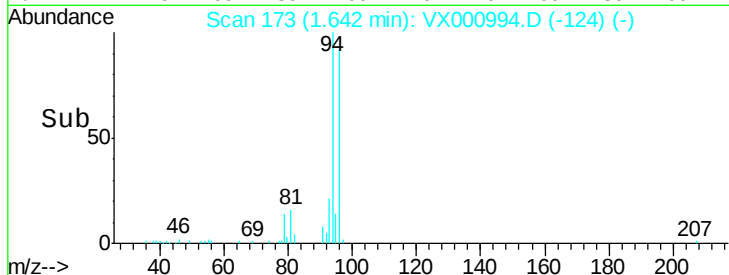
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.23 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000994.D

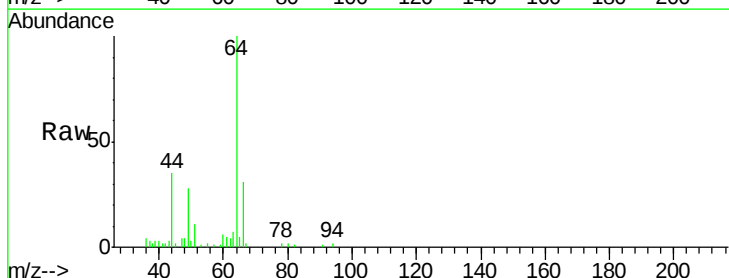
Acq: 19 Apr 2018 17:38

Tgt Ion: 64 Resp: 8388

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

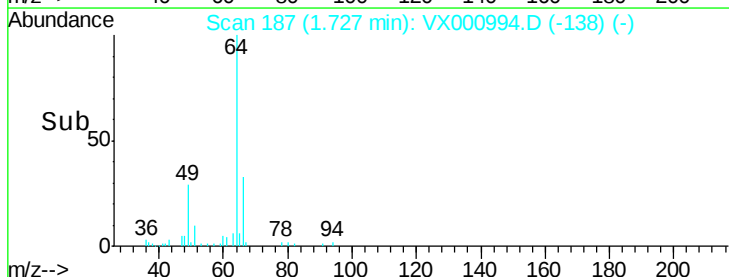
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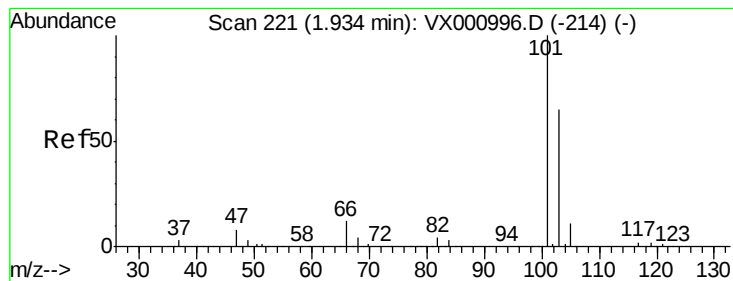
4000

2000

0

Time-->





#7

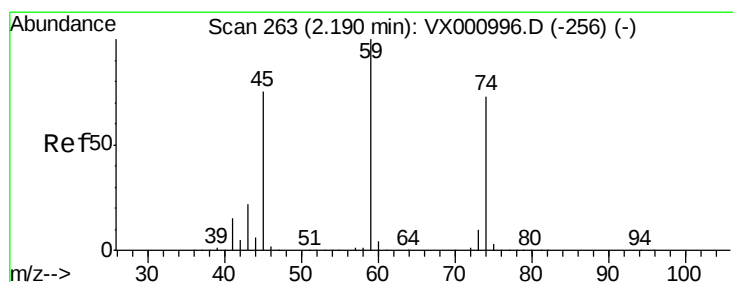
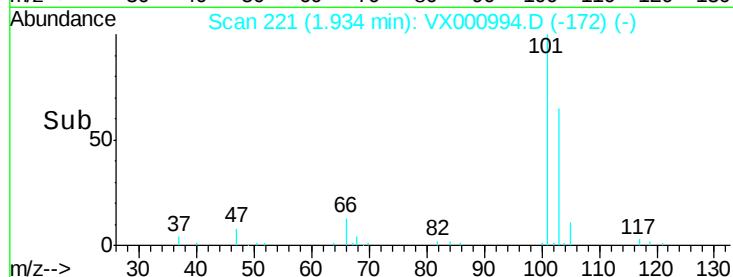
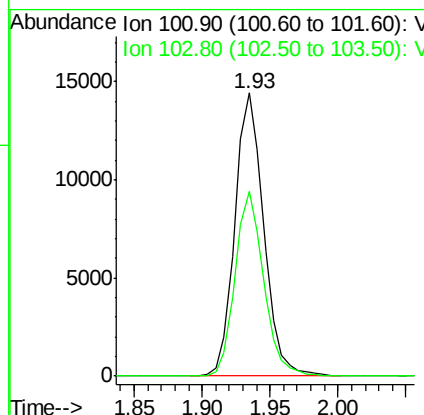
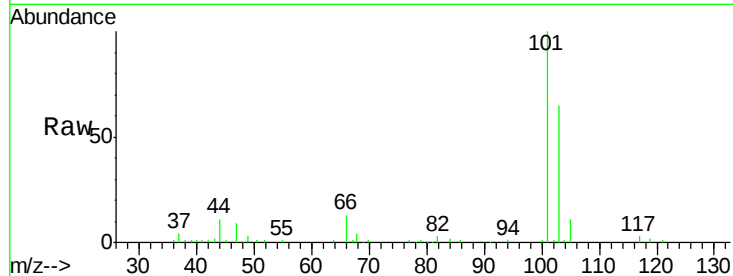
Trichlorofluoromethane
Concen: 6.17 ug/l
RT: 1.93 min Scan# 221
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 21304
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

Manual Integrations
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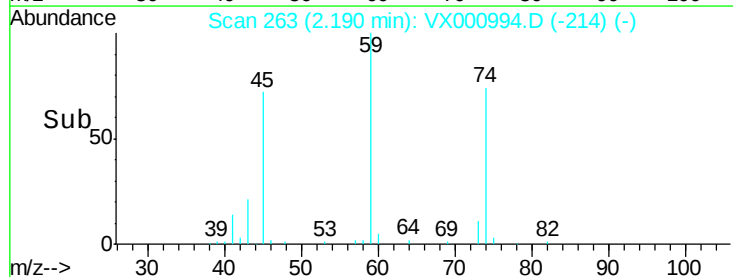
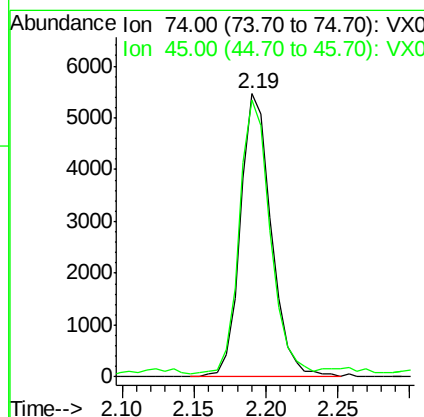
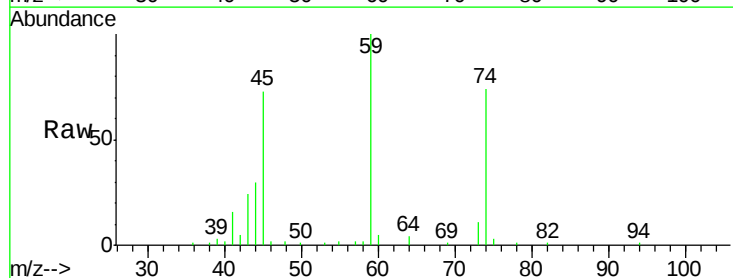
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4/20/2018 2:09:29 PM

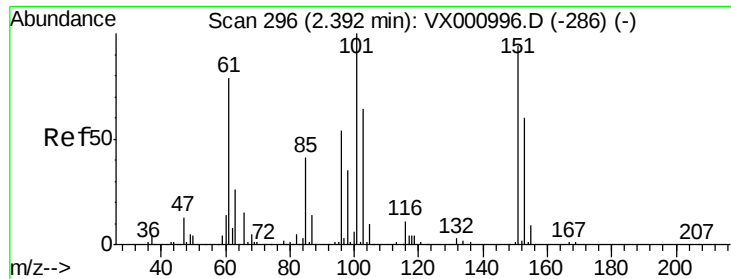


#8

Diethyl Ether
Concen: 6.15 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion: 74 Resp: 8131
Ion Ratio Lower Upper
74 100
45 96.6 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.17 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

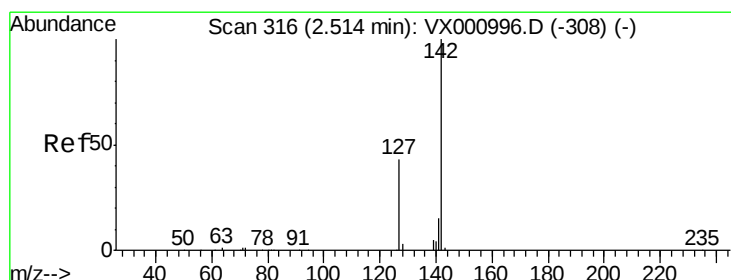
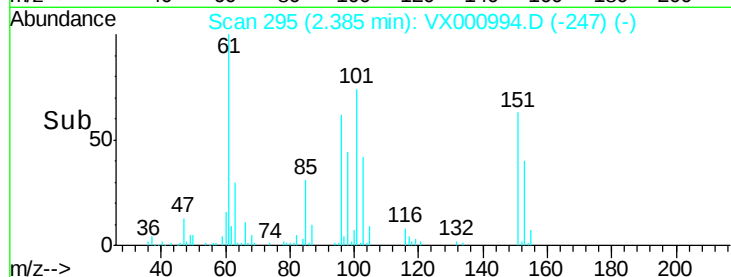
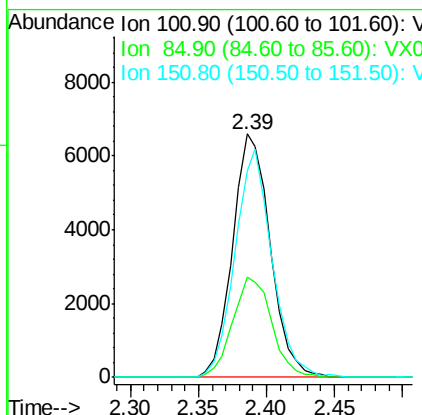
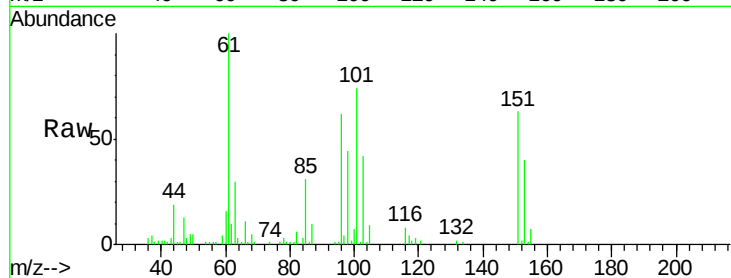
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12737
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.9	50.9
151	91.9	73.5	110.3

Manual Integrations
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4/20/2018 2:09:29 PM



#10

Methyl Iodide

Concen: 3.01 ug/l

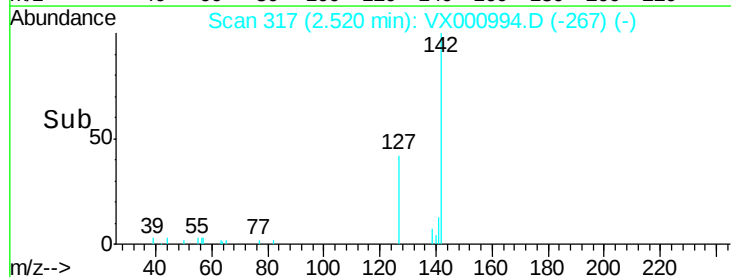
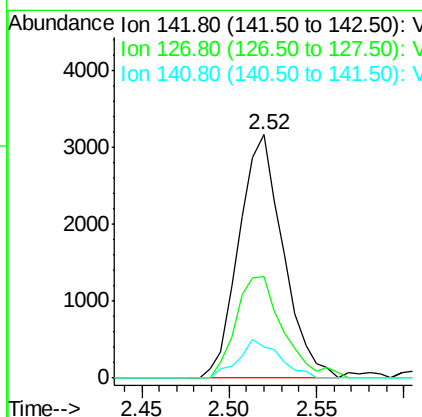
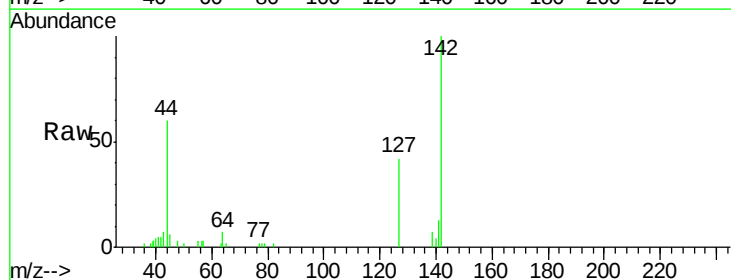
RT: 2.52 min Scan# 317

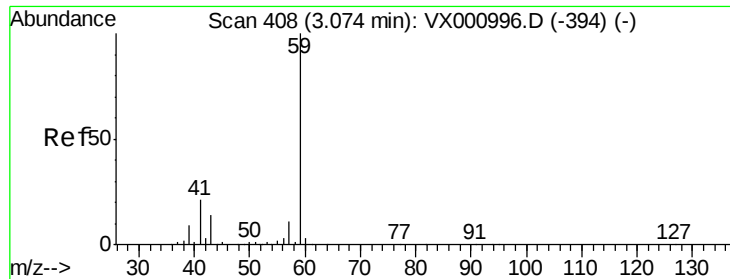
Delta R.T. 0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	142	Resp:	5618
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.0	51.0
141	14.6	11.4	17.2





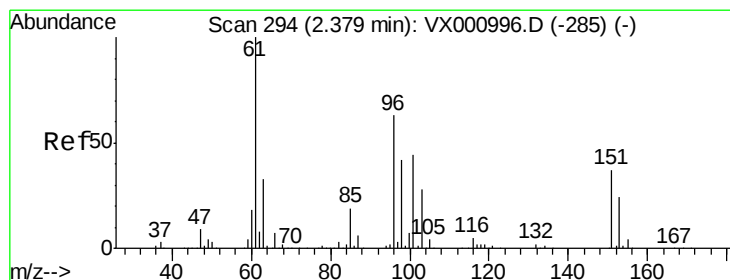
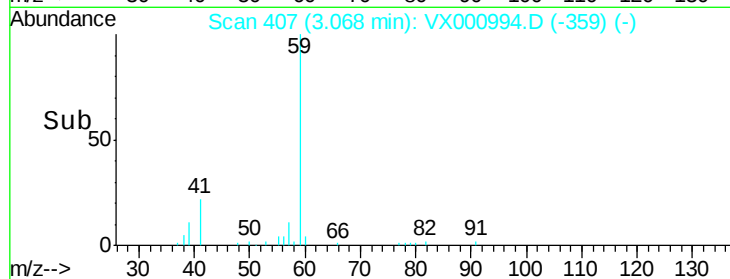
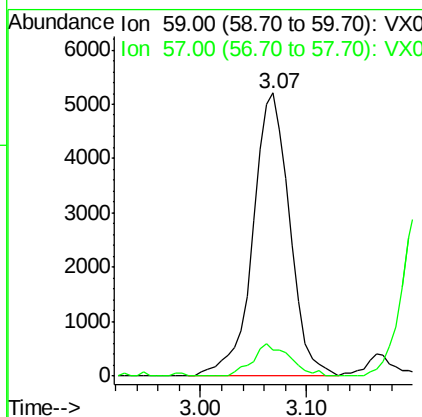
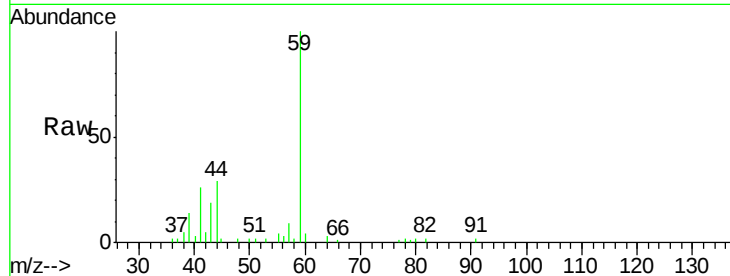
#11
Tert butyl alcohol
Concen: 32.13 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 12613
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5

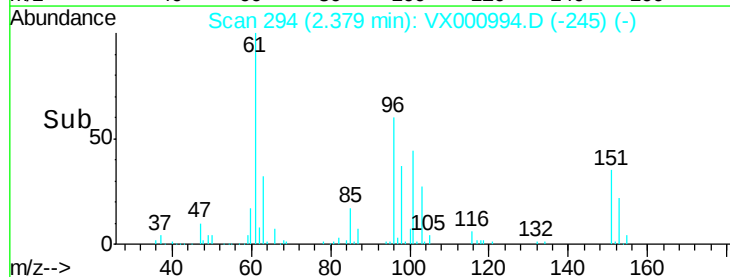
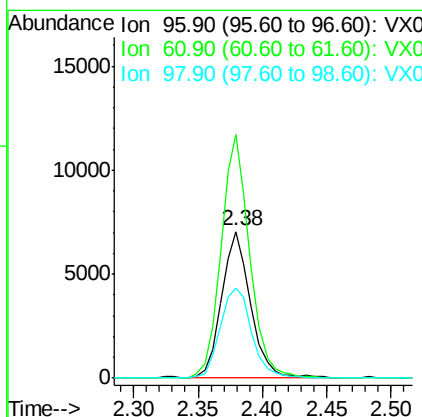
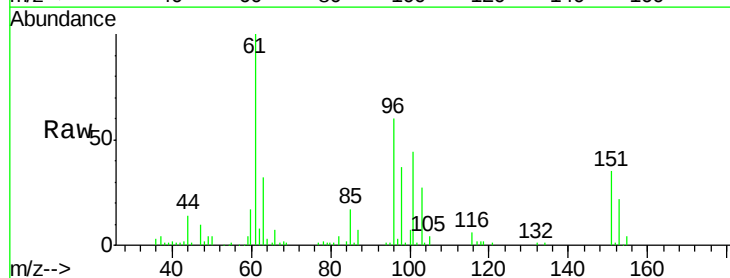
Manual Integrations
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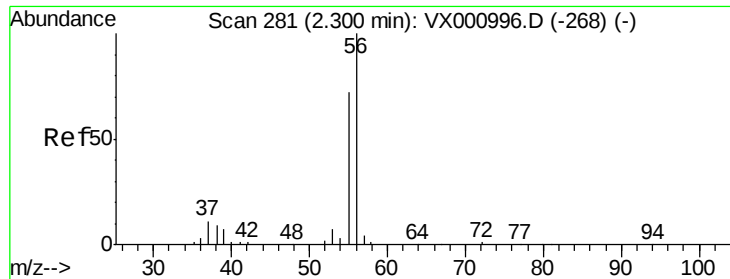
MMDadoda
4/20/2018 2:09:29 PM



#12
1,1-Dichloroethene
Concen: 5.67 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion: 96 Resp: 11162
Ion Ratio Lower Upper
96 100
61 165.9 126.4 189.6
98 61.1 52.6 78.8





#13

Acrolein

Concen: 59.32 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4739

Ion Ratio Lower Upper

56 100

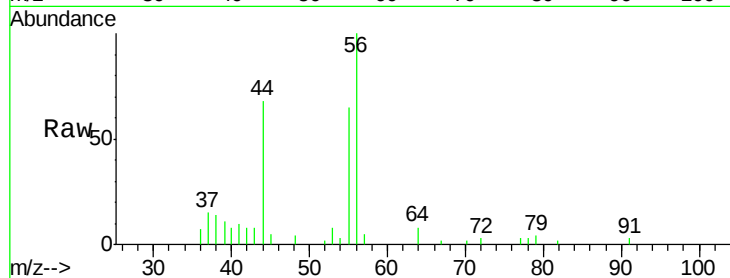
55 71.9 57.4 86.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

2500

2000

1500

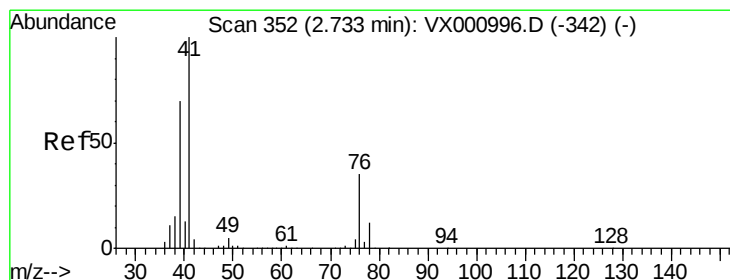
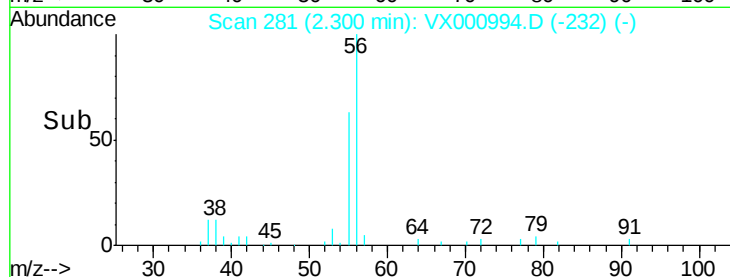
1000

500

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 5.51 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

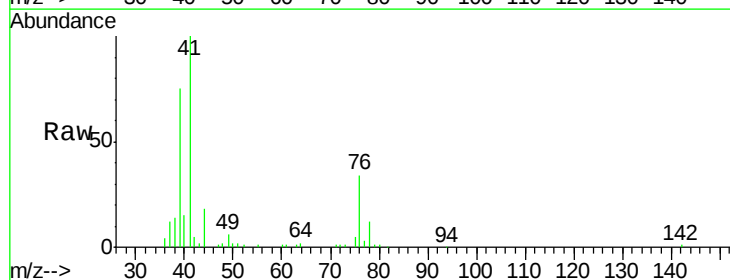
Tgt Ion: 41 Resp: 20223

Ion Ratio Lower Upper

41 100

39 68.7 53.0 79.6

76 32.1 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

25000

20000

15000

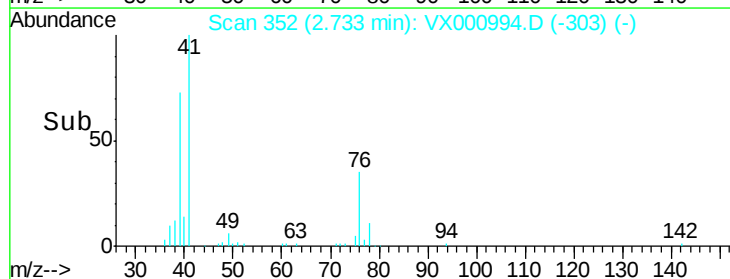
10000

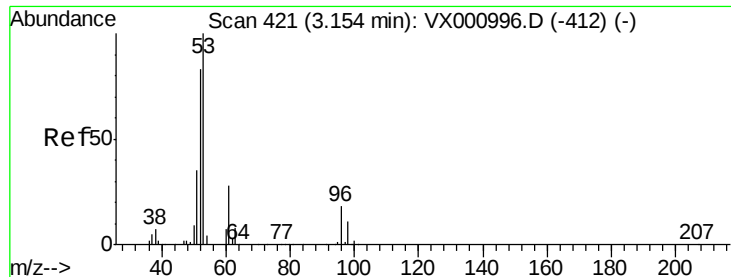
5000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 29.75 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

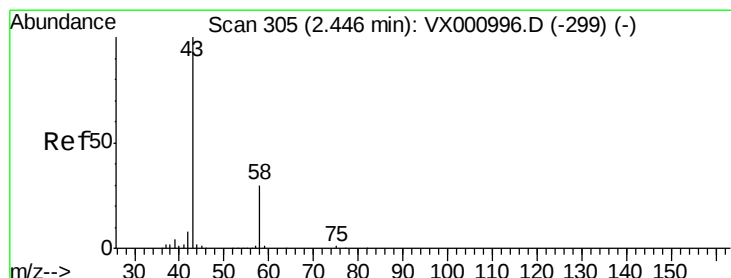
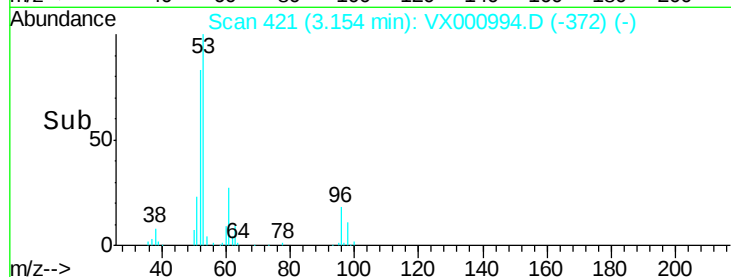
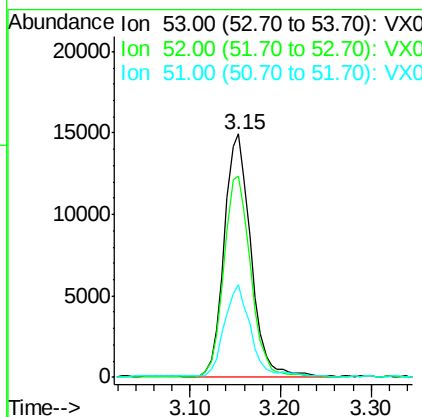
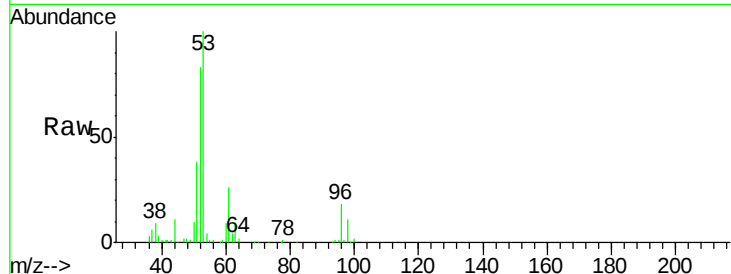
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	30875
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.4	99.6
51	38.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 29.67 ug/l

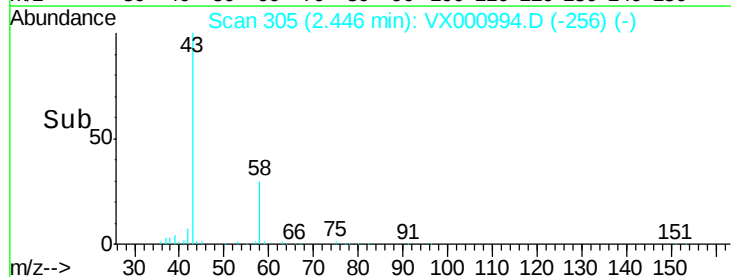
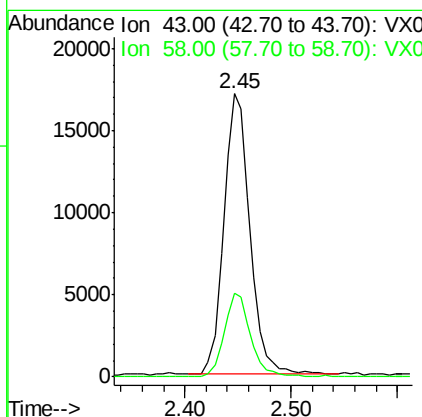
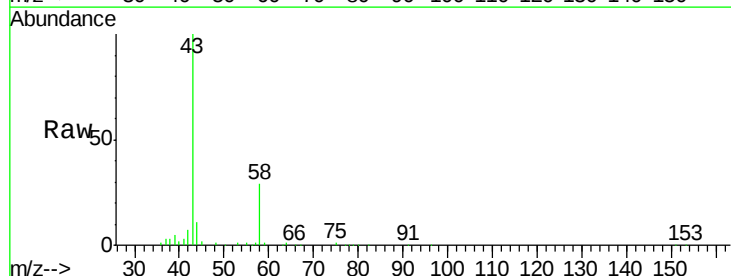
RT: 2.45 min Scan# 305

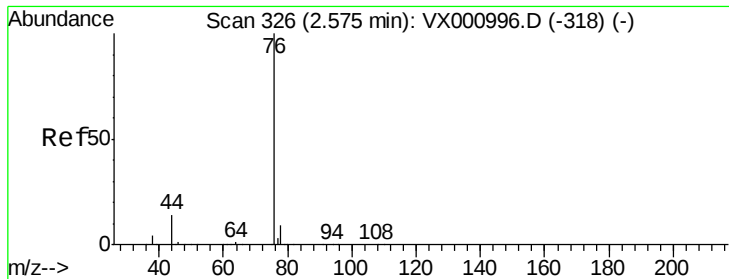
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	43	Resp:	29125
Ion Ratio		Lower	Upper
43	100		
58	29.7	23.7	35.5





#17

Carbon Disulfide

Concen: 5.02 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 30758

Ion Ratio Lower Upper

76 100

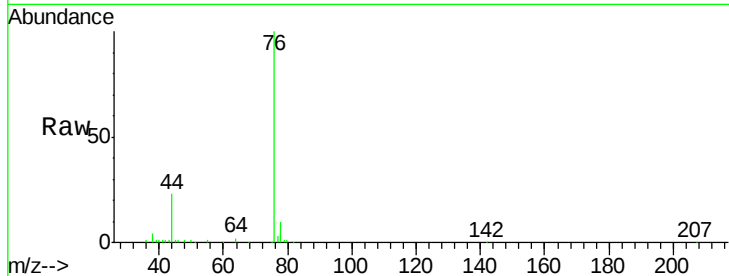
78 9.5 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

20000

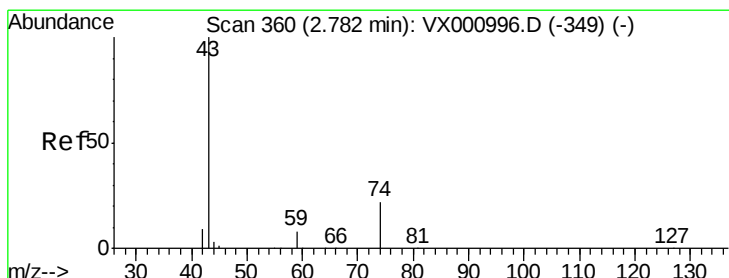
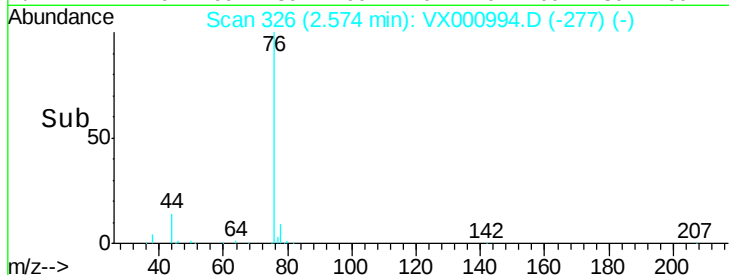
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 5.80 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000994.D

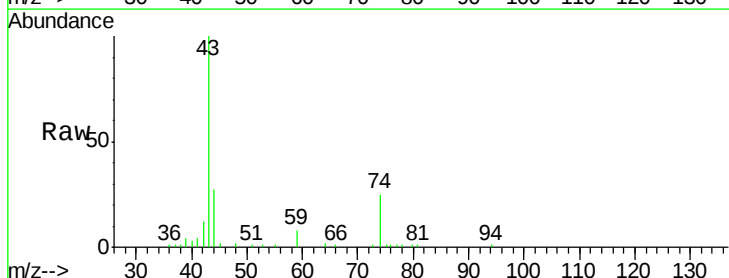
Acq: 19 Apr 2018 17:38

Tgt Ion: 43 Resp: 14740

Ion Ratio Lower Upper

43 100

74 23.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

8000

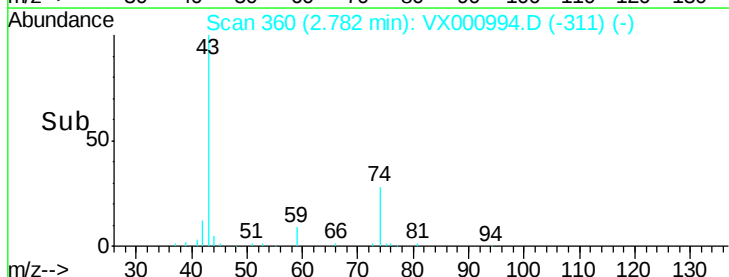
6000

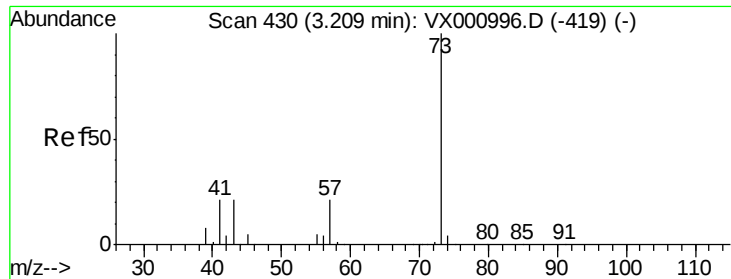
4000

2000

0

Time-->





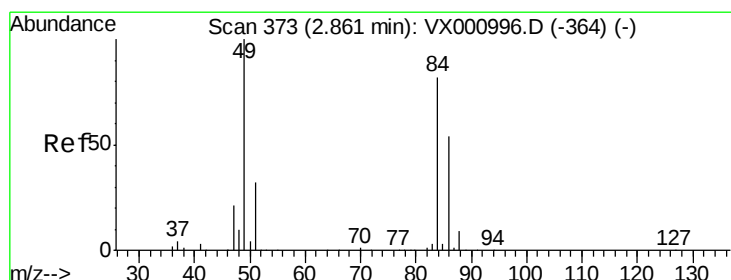
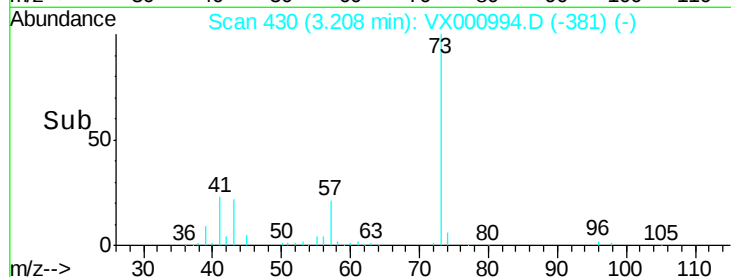
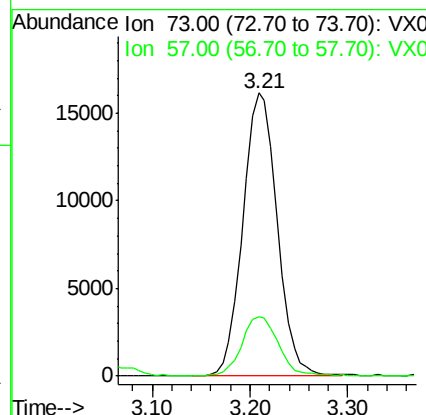
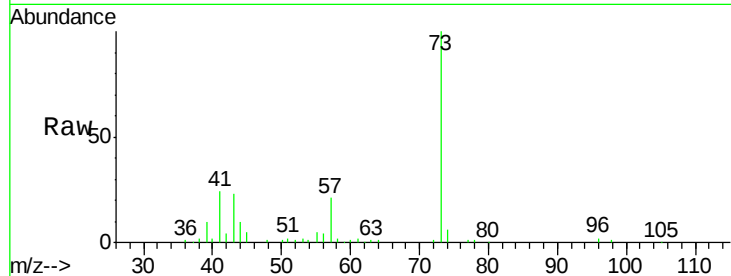
#19
Methyl tert-butyl Ether
Concen: 6.14 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 39386
Ion Ratio Lower Upper
73 100
57 21.2 17.1 25.7

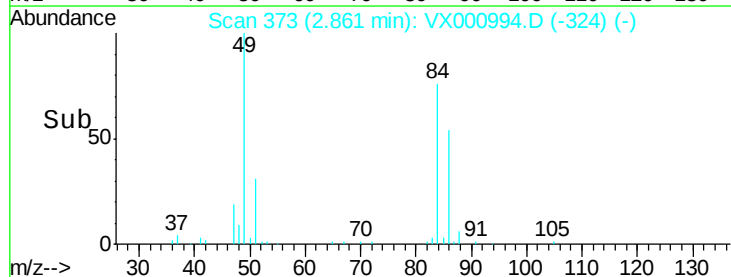
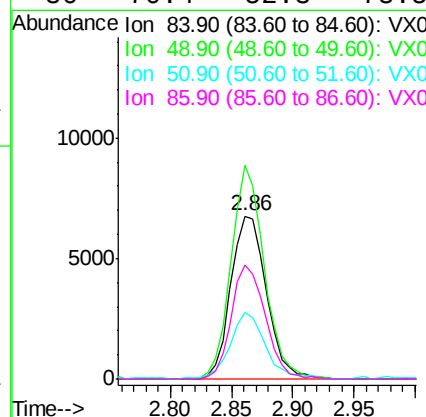
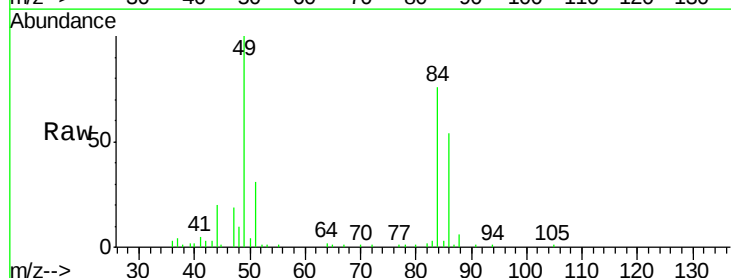
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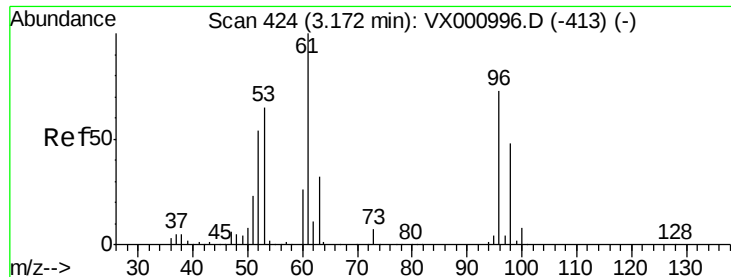
MMDadoda
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#20
Methylene Chloride
Concen: 5.94 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion: 84 Resp: 13683
Ion Ratio Lower Upper
84 100
49 131.3 97.1 145.7
51 41.0 30.8 46.2
86 70.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 5.80 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 12922

Ion Ratio Lower Upper

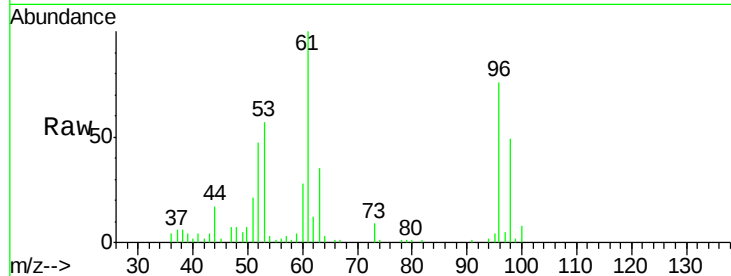
96 100

61 130.7 109.4 164.2

98 63.9 52.6 78.8

Manual Integrations
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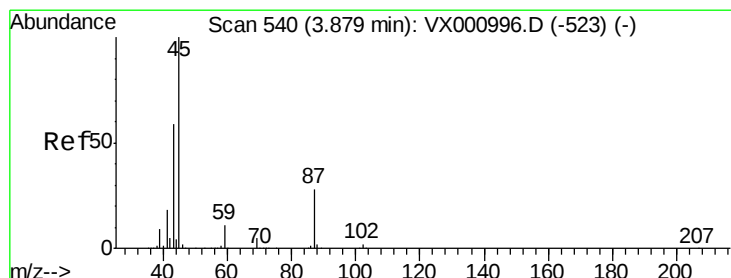
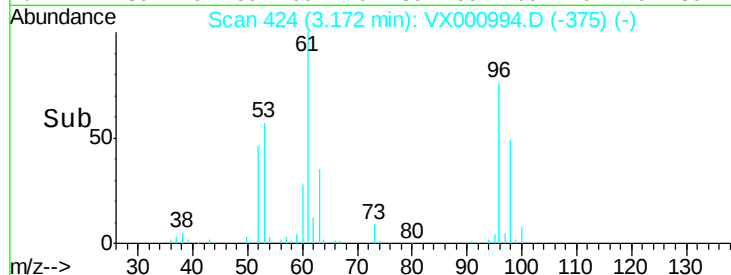
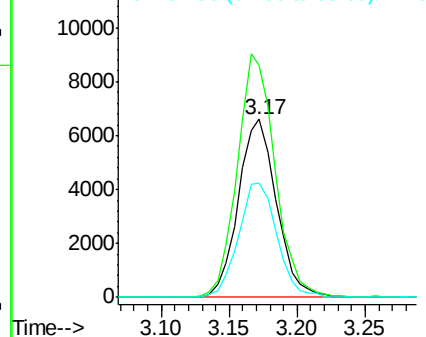


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.60 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion: 45 Resp: 39278

Ion Ratio Lower Upper

45 100

43 53.1 47.0 70.4

87 24.4 22.5 33.7

59 10.9 8.8 13.2

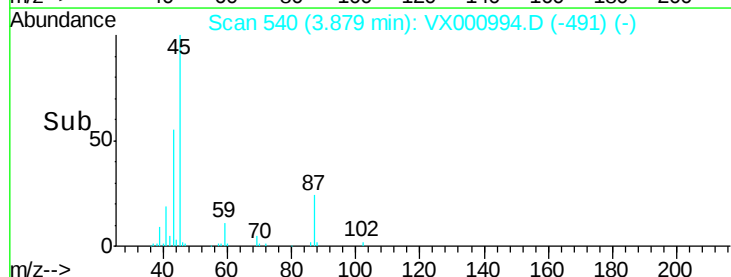
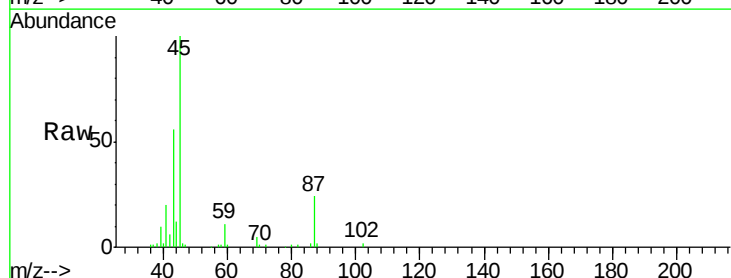
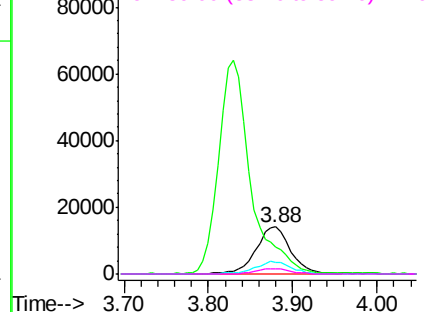
Abundance

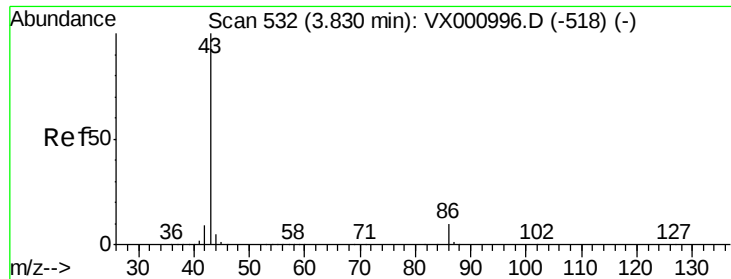
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 29.38 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 168278

Ion Ratio Lower Upper

43 100

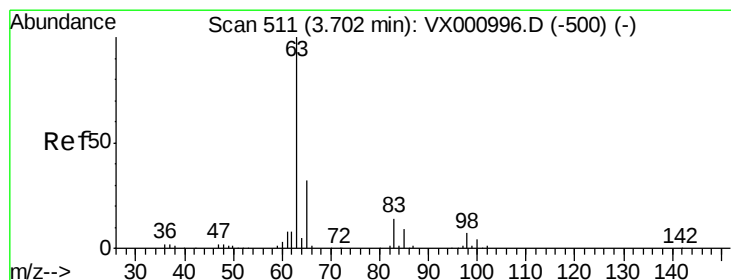
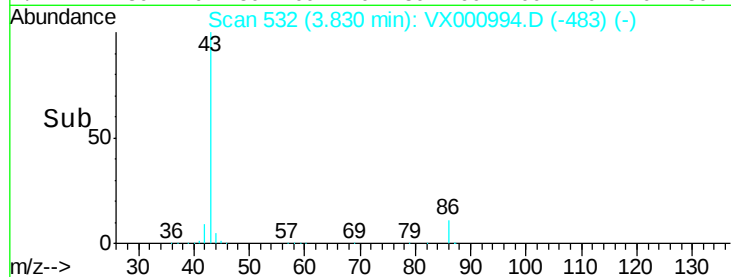
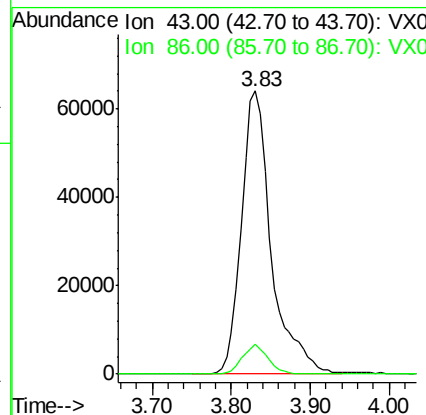
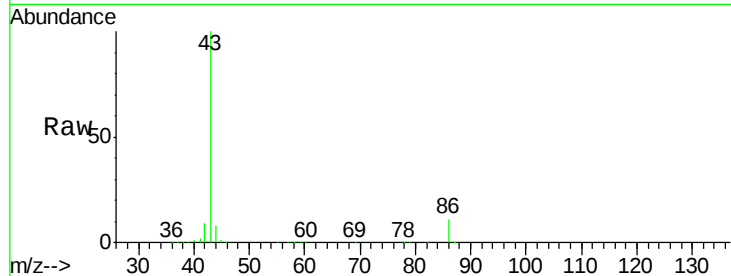
86 10.7 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 5.99 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

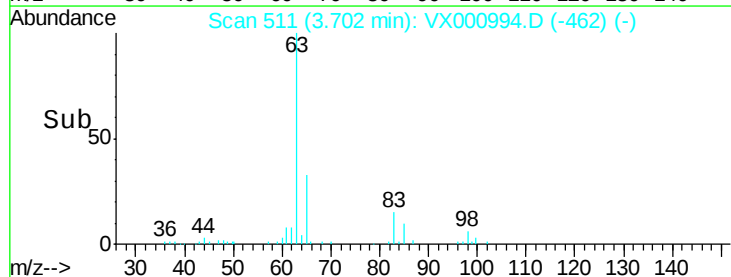
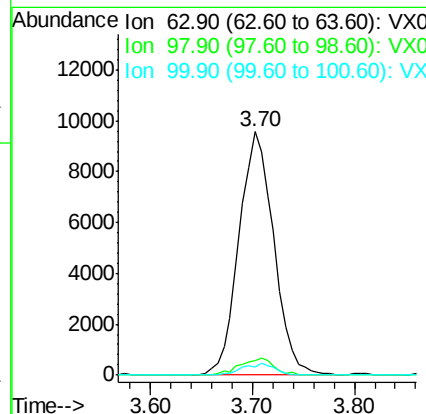
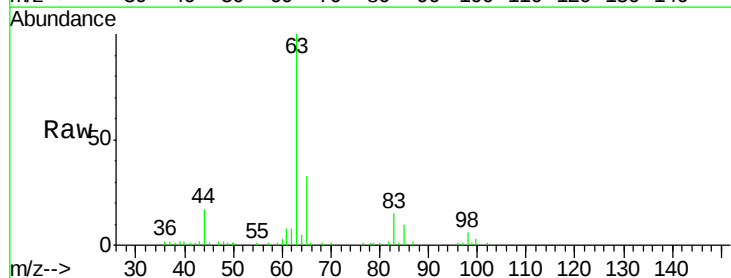
Tgt Ion: 63 Resp: 22654

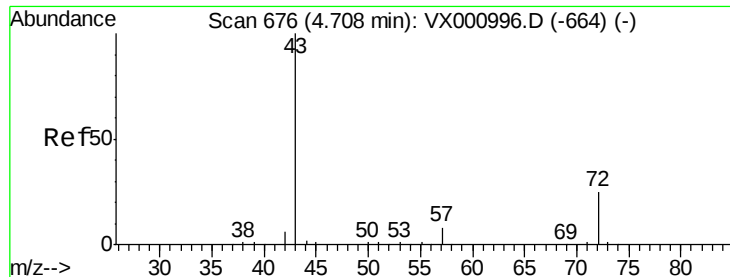
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

100 3.5 2.1 6.3





#25

2-Butanone

Concen: 29.86 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45115

Ion Ratio Lower Upper

43 100

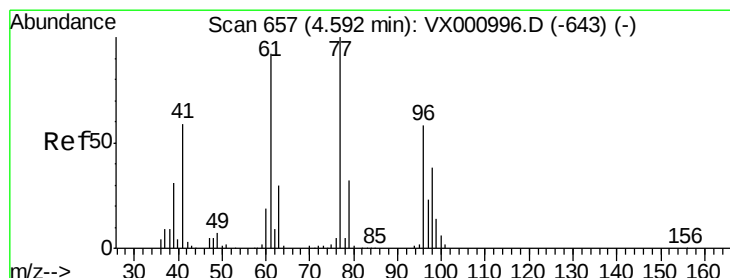
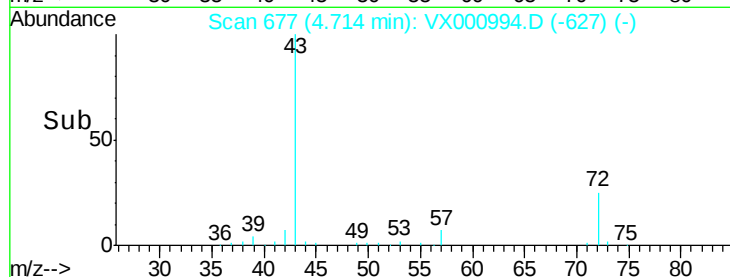
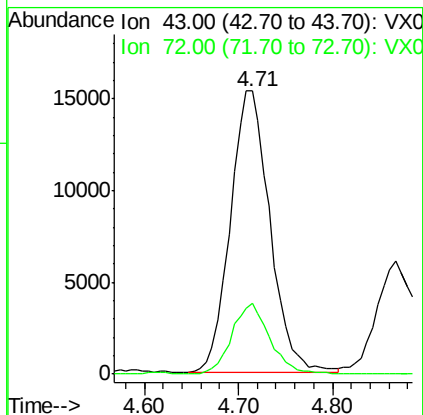
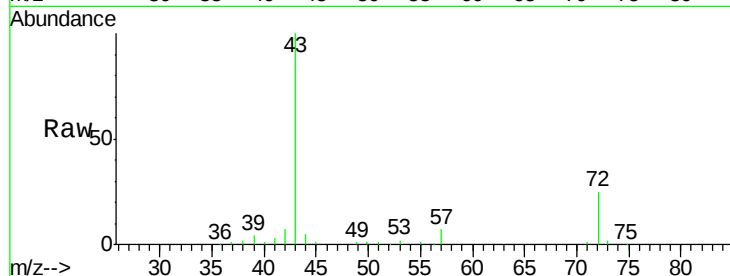
72 25.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.69 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000994.D

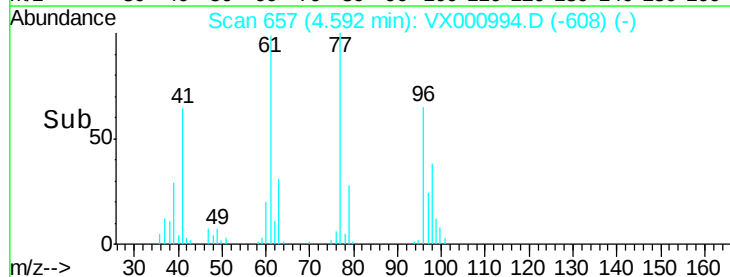
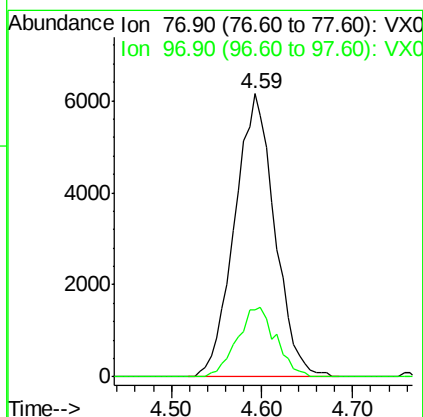
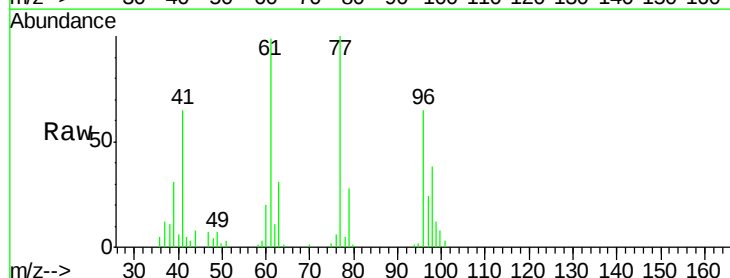
Acq: 19 Apr 2018 17:38

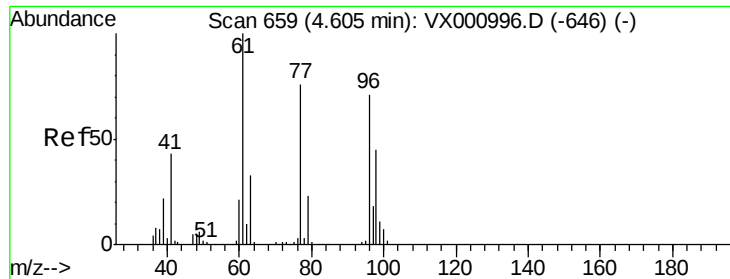
Tgt Ion: 77 Resp: 18878

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.4





#27

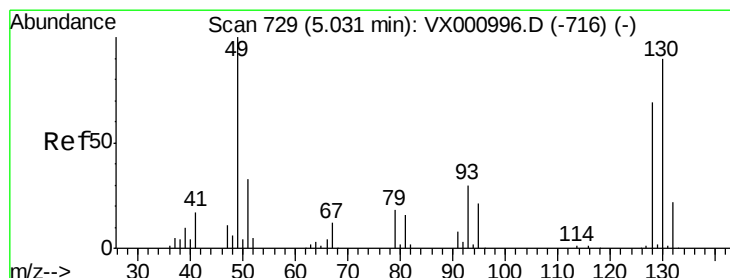
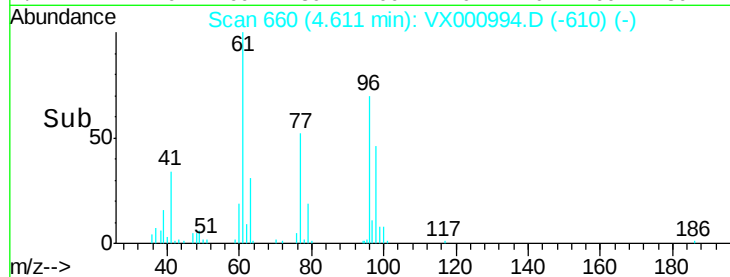
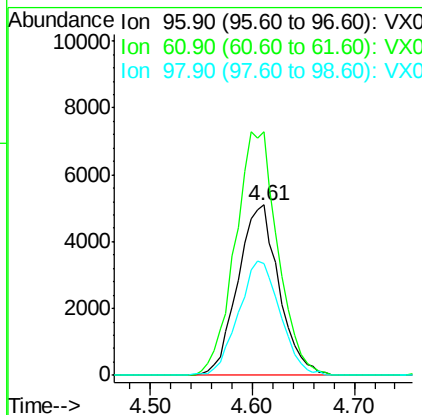
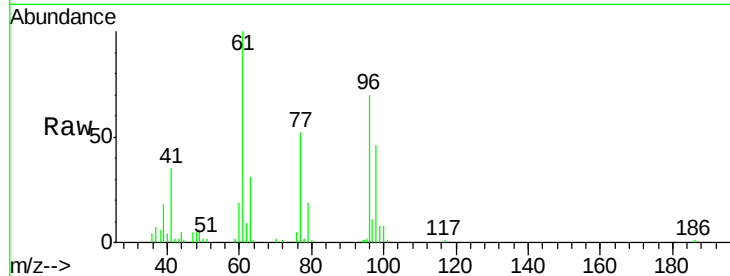
cis-1,2-Dichloroethene
Concen: 5.93 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	297.0
98	68.1	0.0	130.0

Manual Integrations
APPROVED

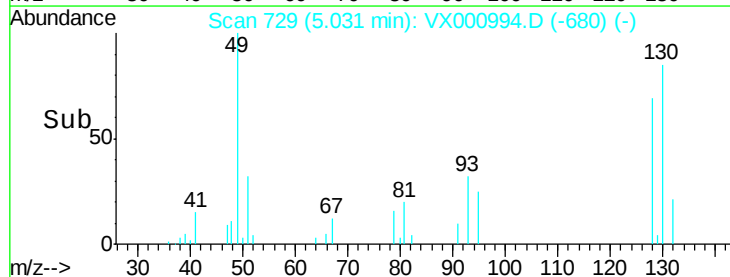
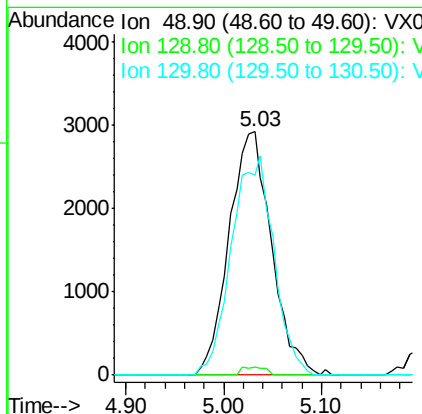
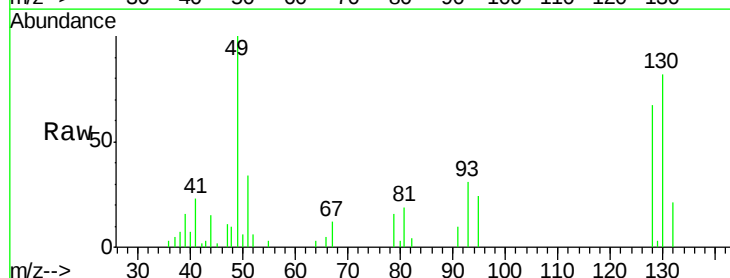
MMDadoda
4/20/2018 2:09:29 PM

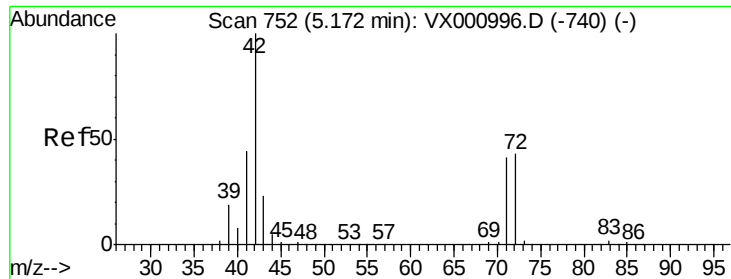


#28

Bromochloromethane
Concen: 5.56 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	89.5	70.6	105.8





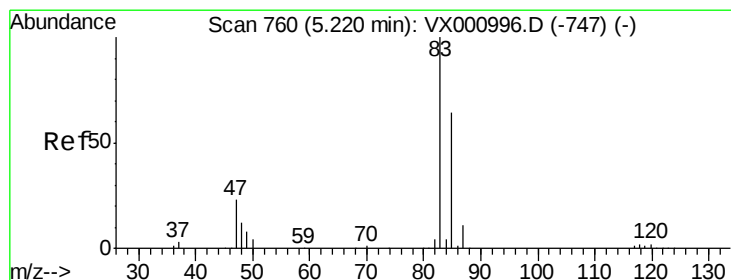
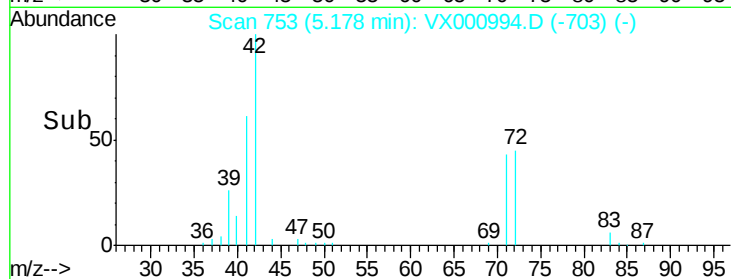
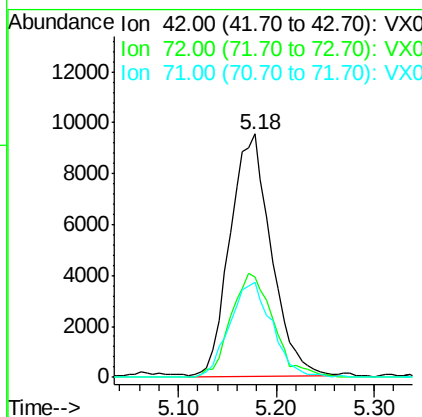
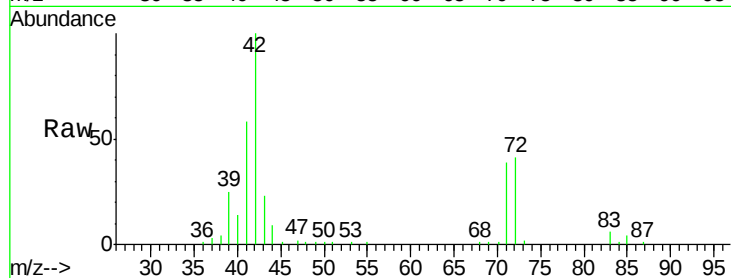
#29
Tetrahydrofuran
Concen: 28.91 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	40.5	32.6	49.0

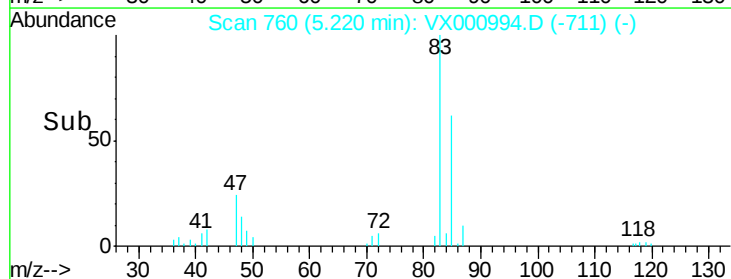
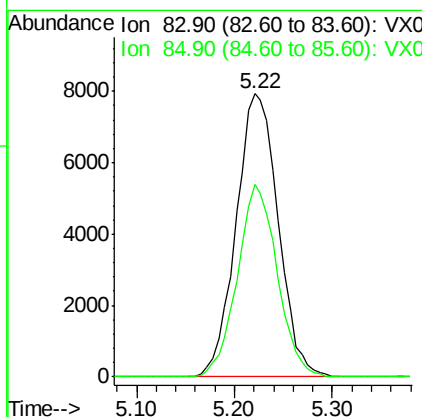
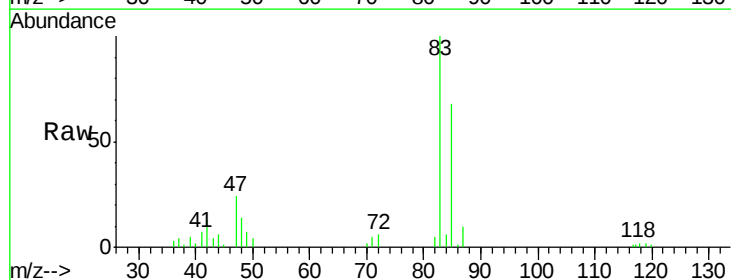
Manual Integrations
APPROVED

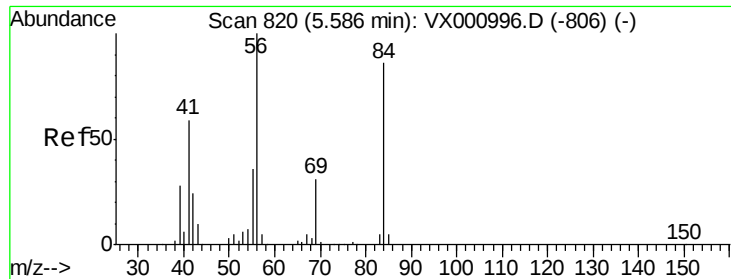
MMDadoda
4/20/2018 2:09:29 PM



#30
Chloroform
Concen: 6.06 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	51.3	76.9





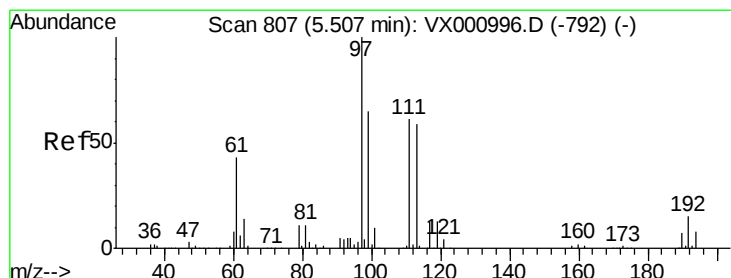
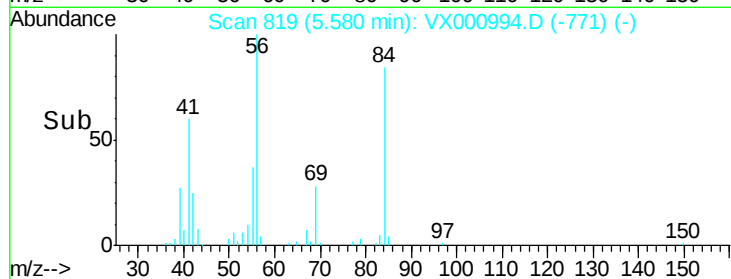
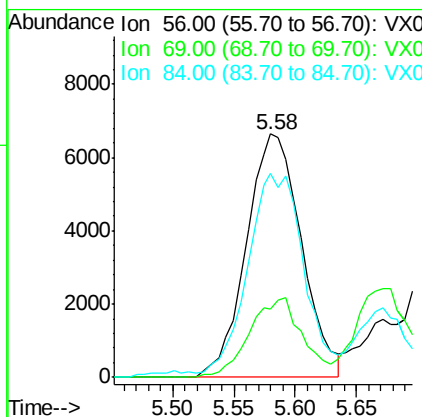
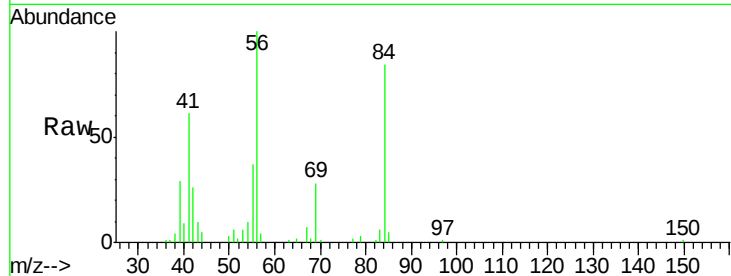
#31
Cyclohexane
Concen: 6.07 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	24.6	36.8
84	81.7	69.0	103.6

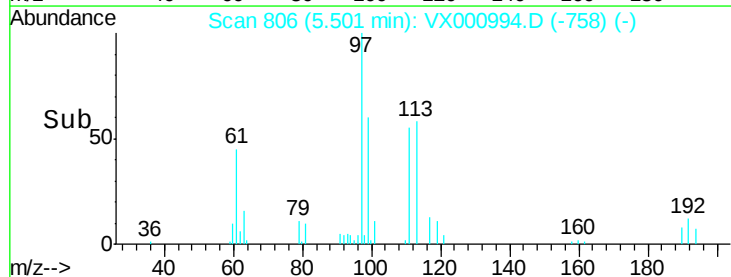
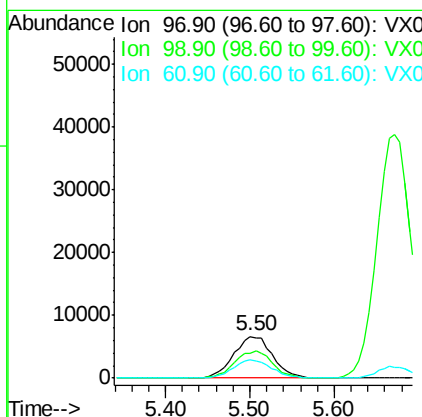
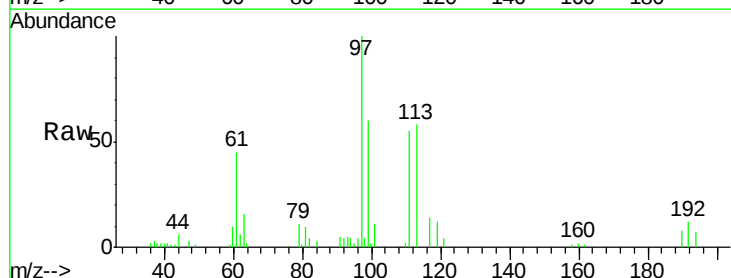
Manual Integrations
APPROVED

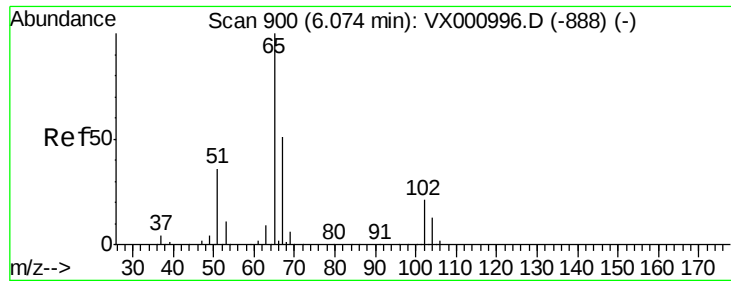
MMDadoda
4/20/2018 2:09:29 PM



#32
1,1,1-Trichloroethane
Concen: 5.92 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	43.5	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 5.32 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 16050

Ion Ratio Lower Upper

65 100

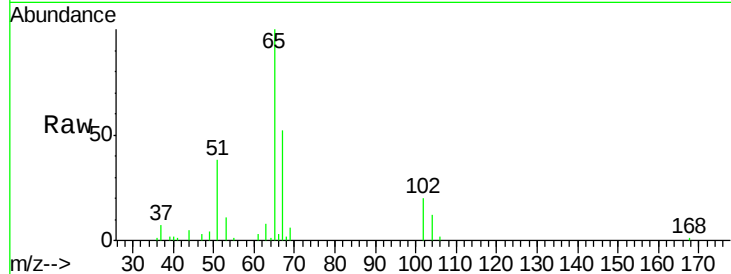
67 52.0 0.0 102.6

Manual Integrations

APPROVED

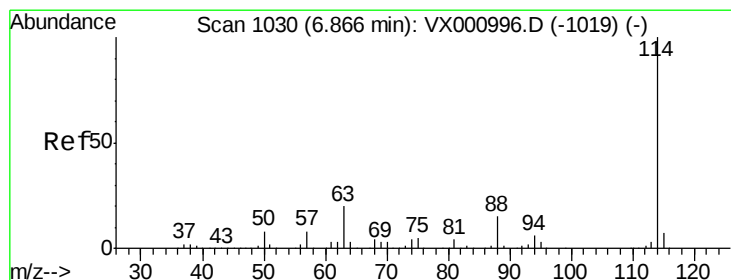
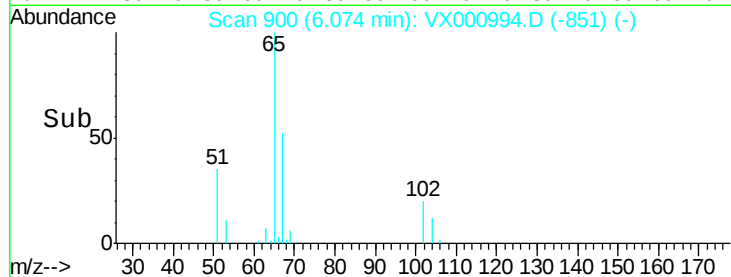
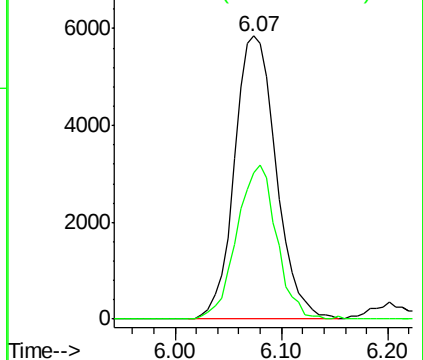
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

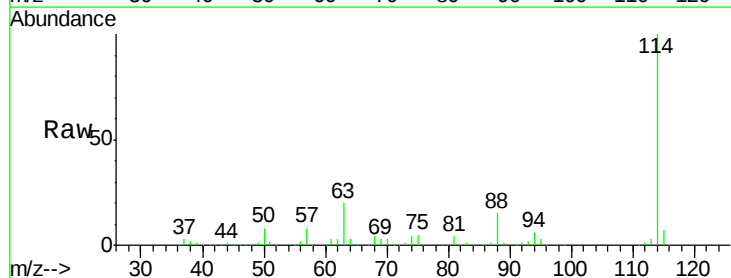
Tgt Ion: 114 Resp: 319142

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

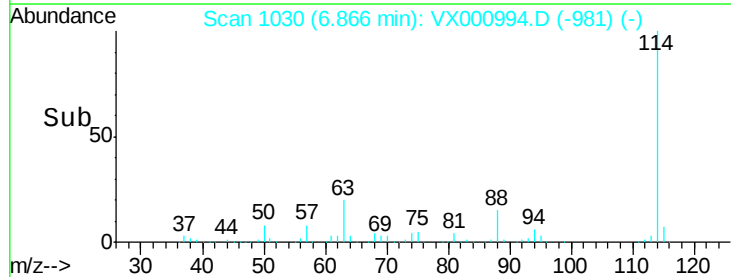
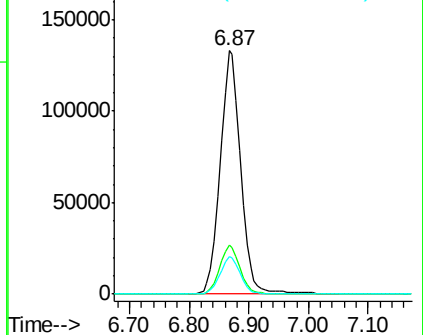
88 15.3 0.0 29.8

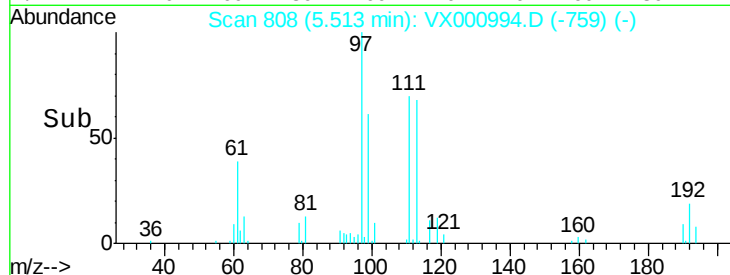
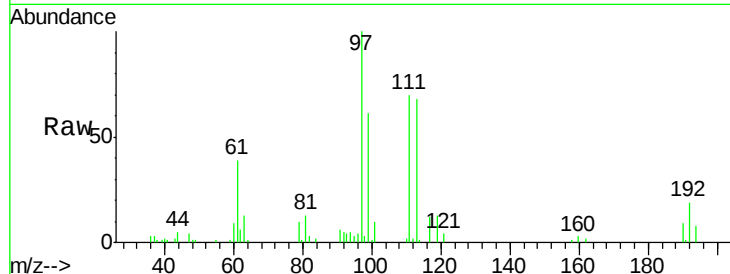
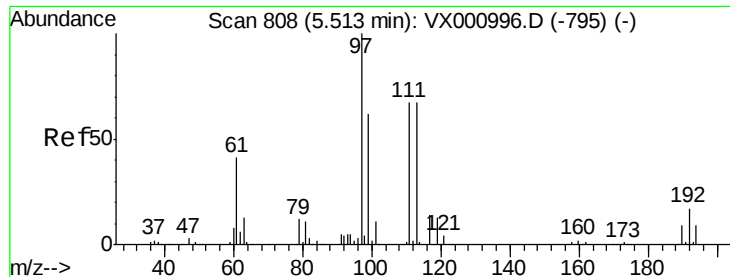


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





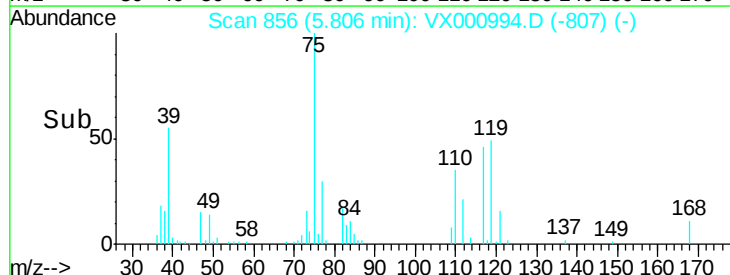
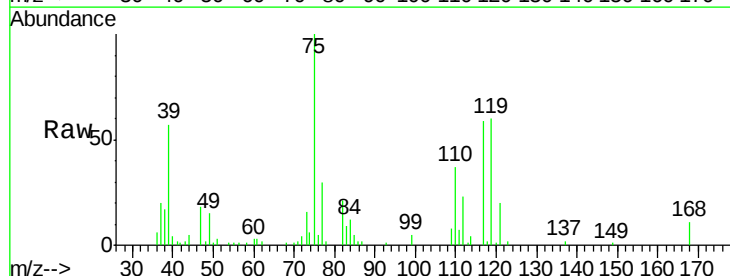
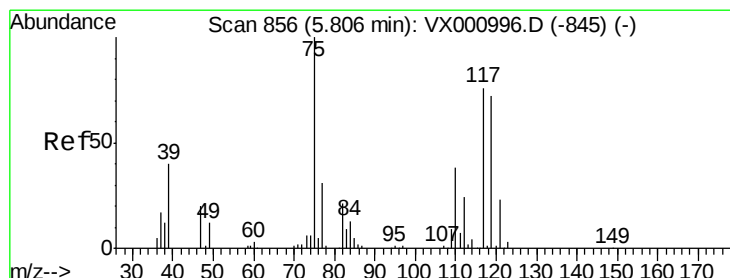
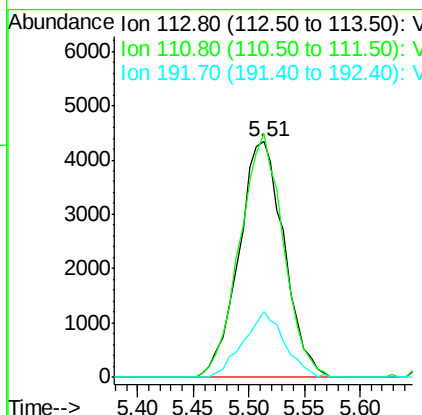
#35
Dibromofluoromethane
Concen: 5.46 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.2
192	25.6	20.4	30.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

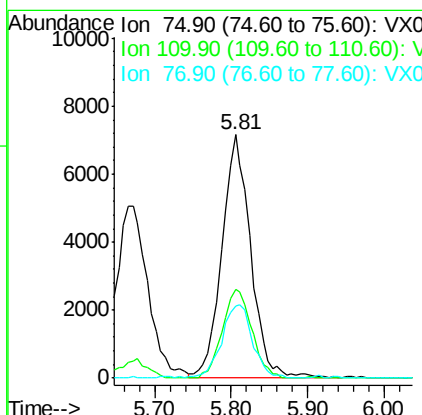
Manual Integrations
APPROVED

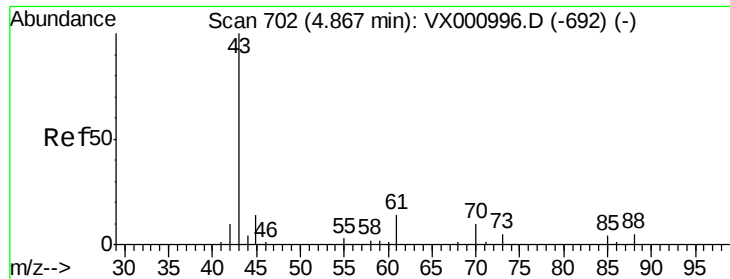
MMDadoda
4/20/2018 2:09:29 PM



#36
1,1-Dichloropropene
Concen: 6.14 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.7	56.1
77	32.0	25.0	37.4





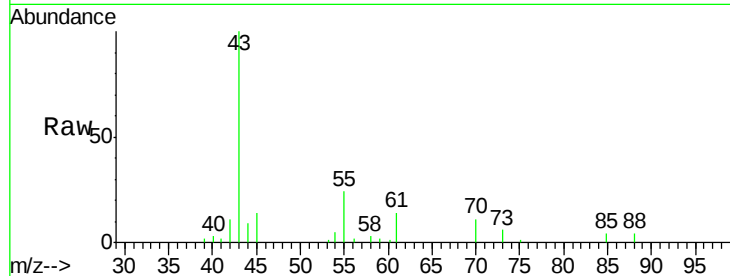
#37
Ethyl Acetate
Concen: 6.28 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:29 PM

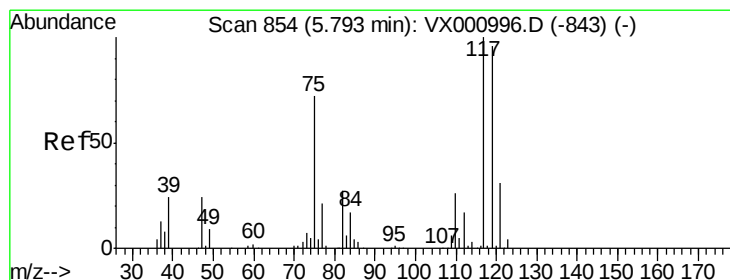
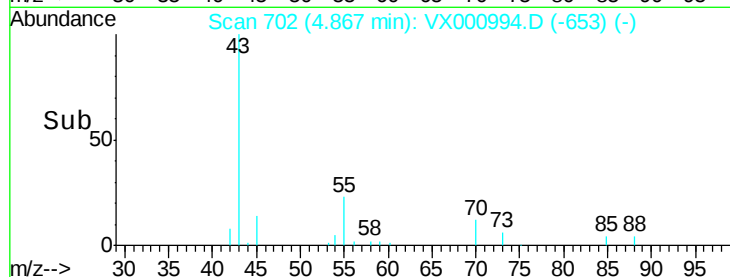
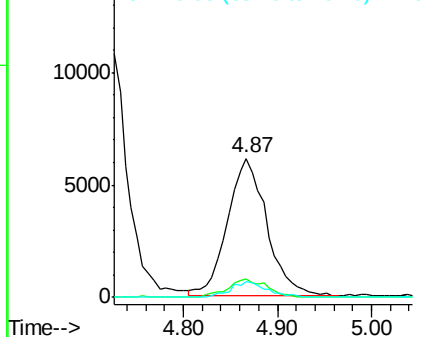


Abundance

Ion 43.00 (42.70 to 43.70): VX000994.D (-692) (-)

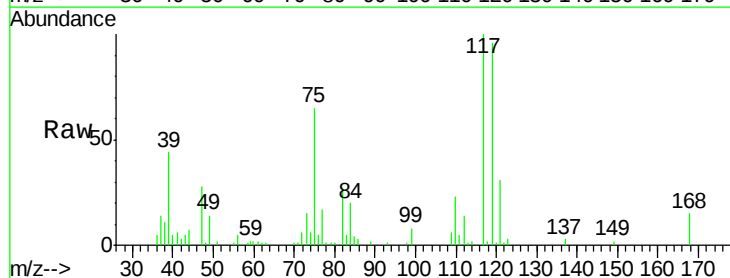
Ion 60.90 (60.60 to 61.60): VX000994.D (-692) (-)

Ion 70.00 (69.70 to 70.70): VX000994.D (-692) (-)



#38
Carbon Tetrachloride
Concen: 5.62 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
121	30.6	24.5	36.7

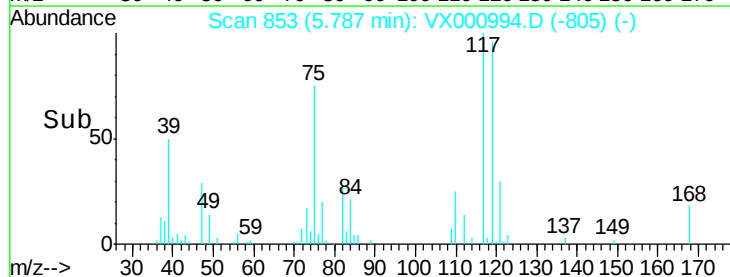
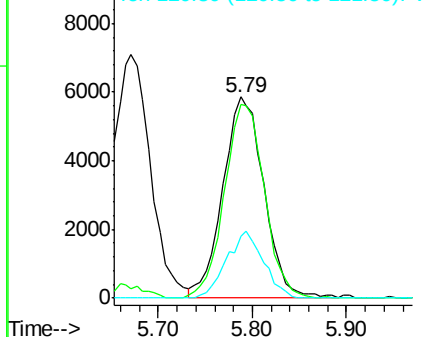


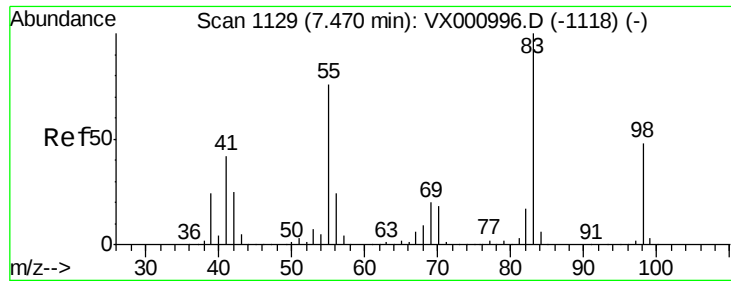
Abundance

Ion 116.80 (116.50 to 117.50): VX000994.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000994.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000994.D (-843) (-)





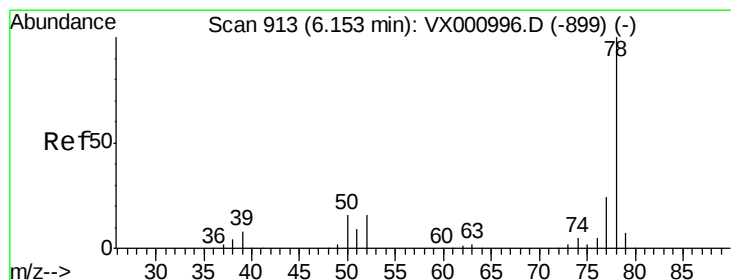
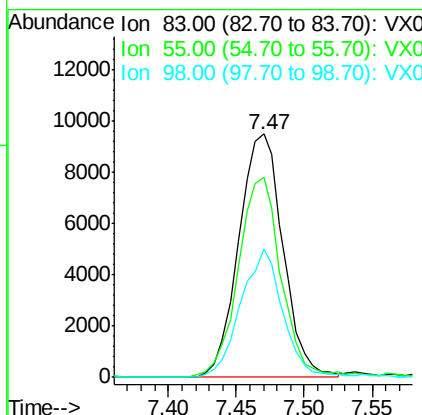
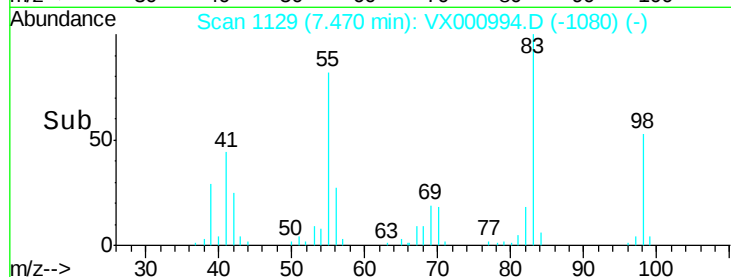
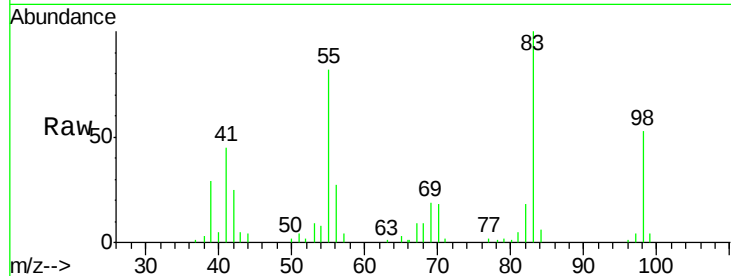
#39
Methvlcvclohexane
Concen: 5.93 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	60.6	91.0
98	52.7	38.2	57.4

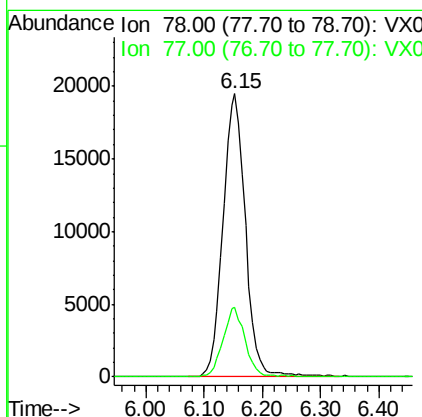
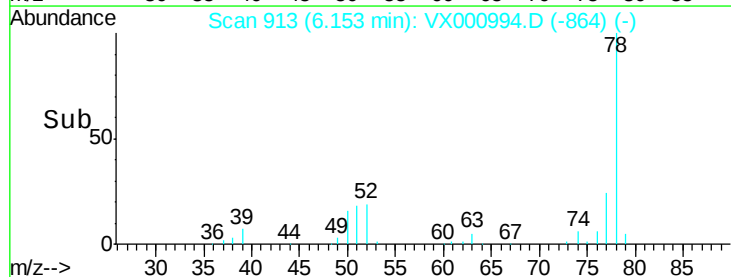
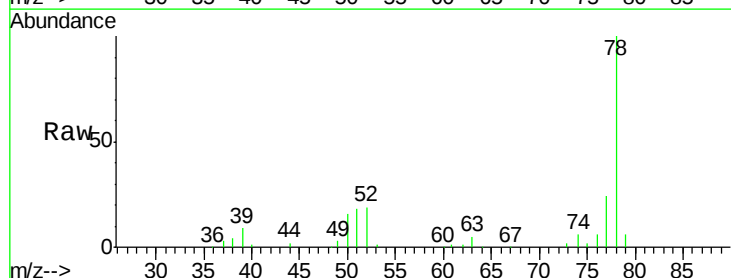
Manual Integrations
APPROVED

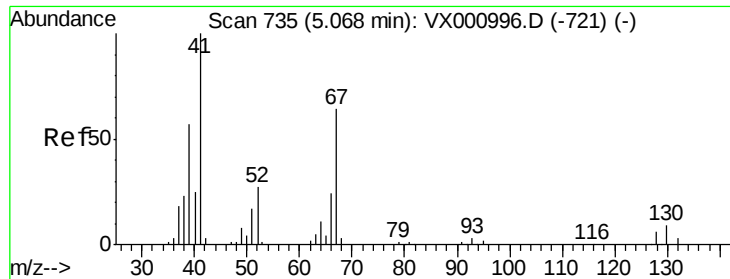
MMDadoda
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#40
Benzene
Concen: 6.15 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.9	28.3





#41

Methacrylonitrile

Concen: 6.00 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

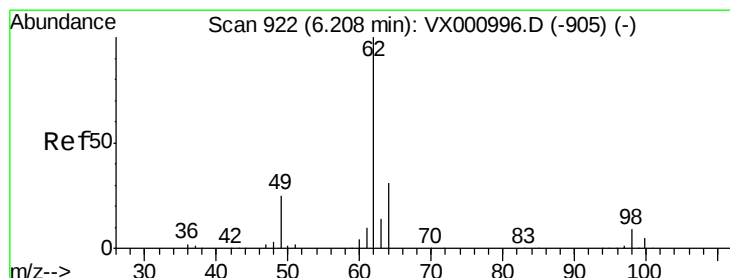
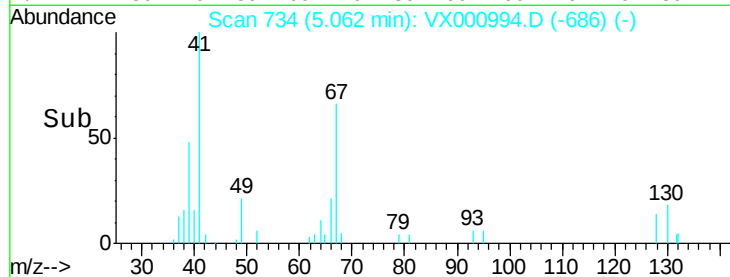
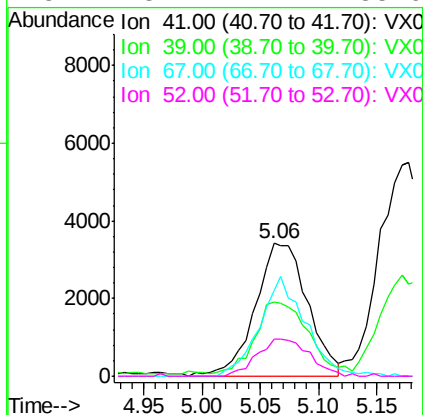
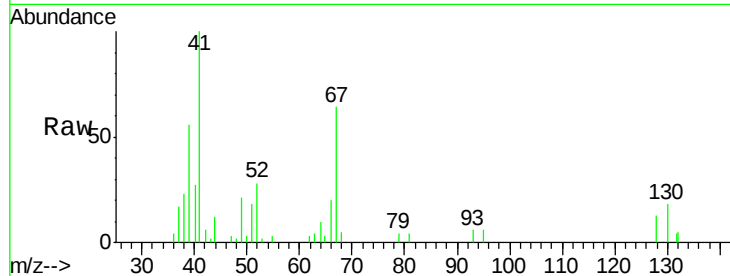
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	10649
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.2	67.8
67	66.1	53.8	80.8
52	28.1	22.4	33.6

Manual Integrations
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4/20/2018 2:09:29 PM



#42

1,2-Dichloroethane

Concen: 6.22 ug/l

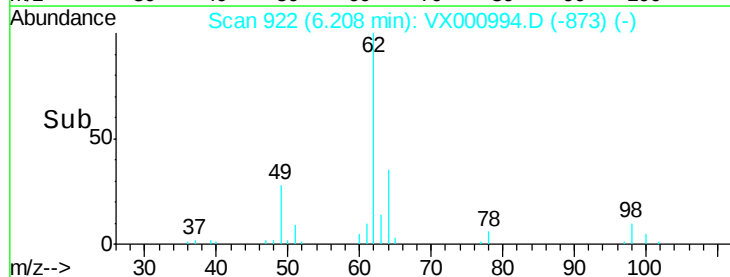
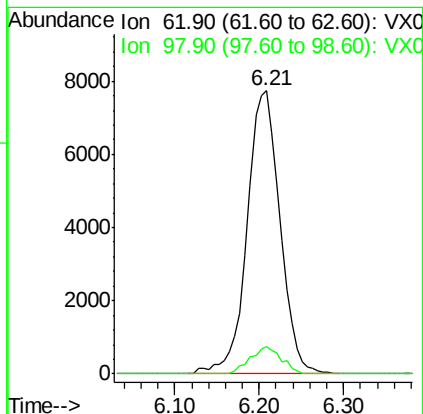
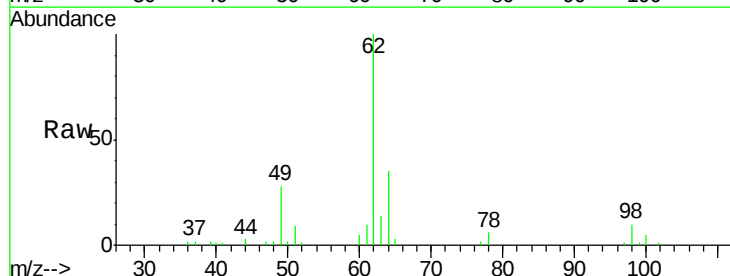
RT: 6.21 min Scan# 922

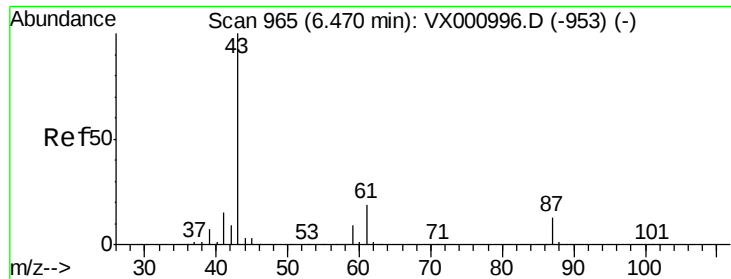
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	62	Resp:	20503
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 6.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

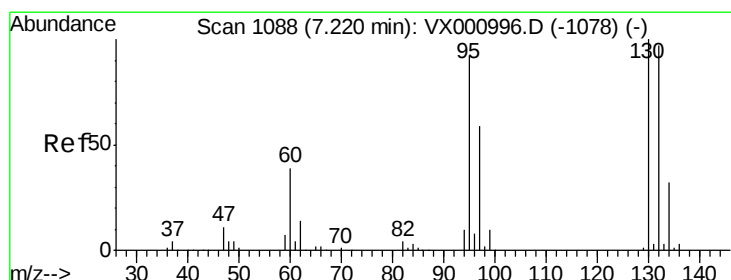
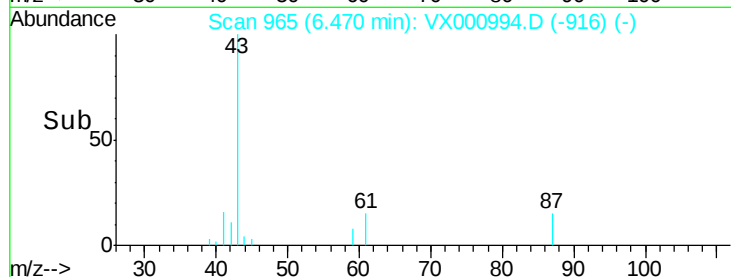
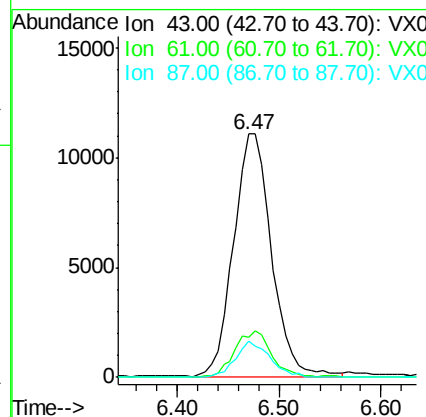
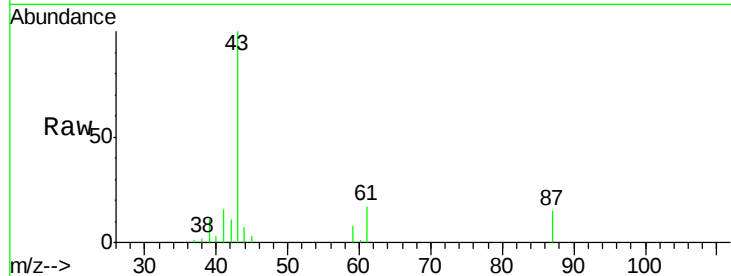
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	28864
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.4	23.2
87	13.2	10.6	15.8

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#44

Trichloroethene

Concen: 6.00 ug/l

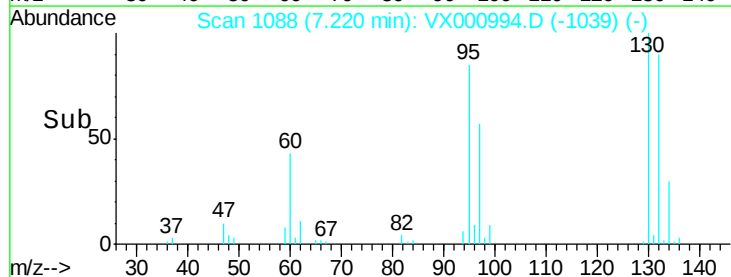
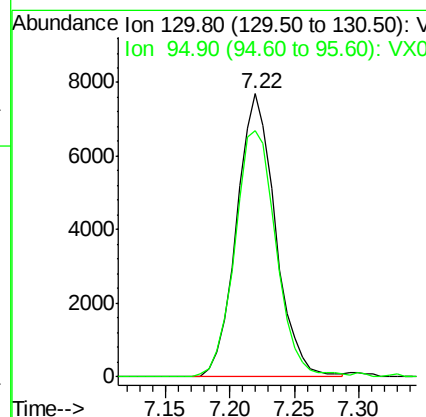
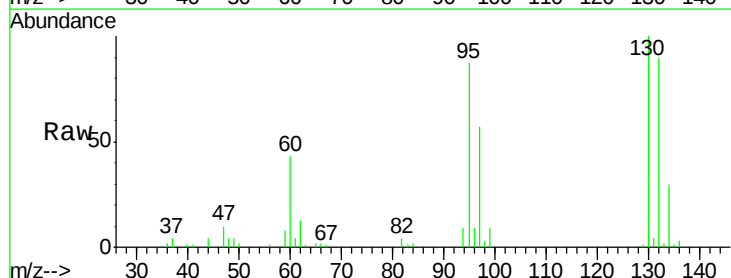
RT: 7.22 min Scan# 1088

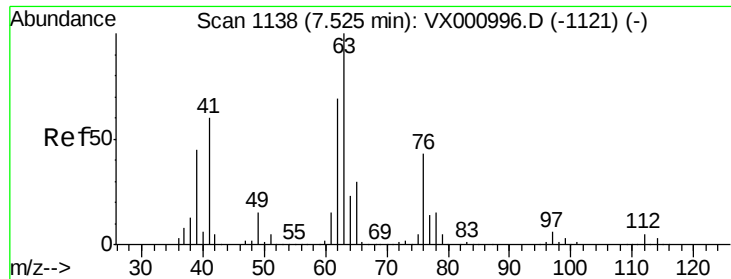
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	130	Resp:	16047
Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	184.2





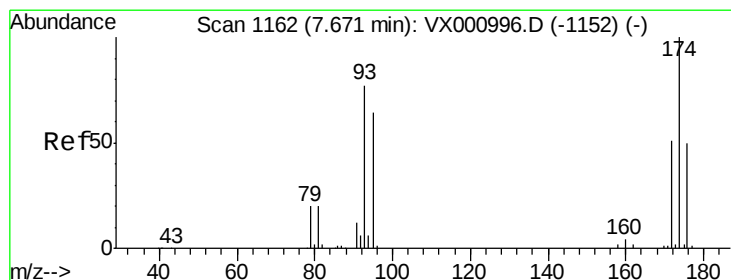
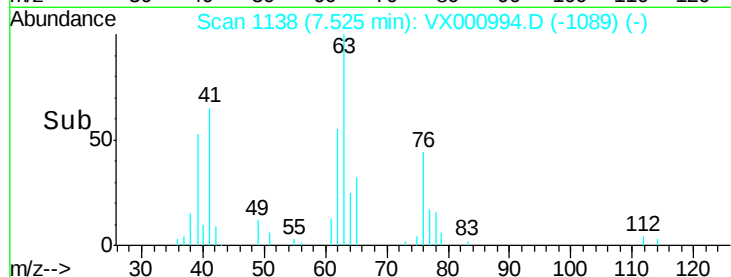
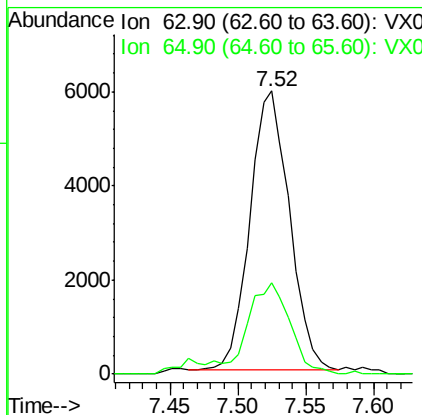
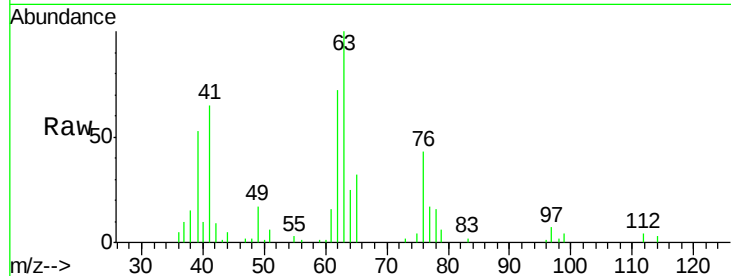
#45
 1,2-Dichloropropane
 Concen: 5.48 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 12079
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.4 36.6

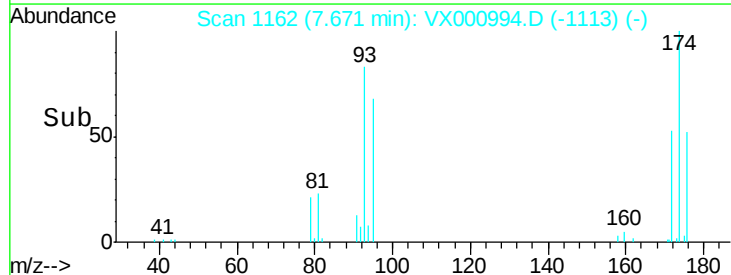
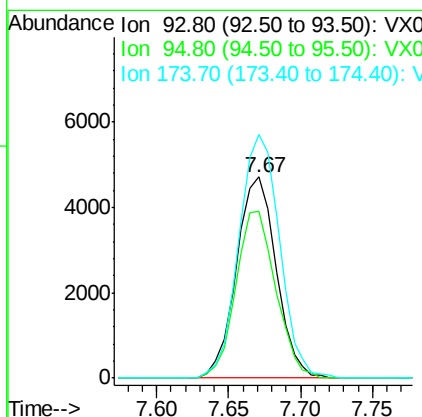
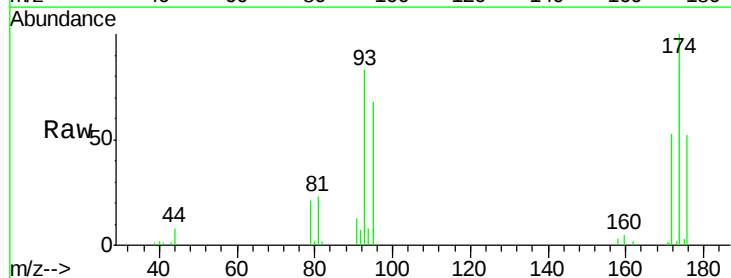
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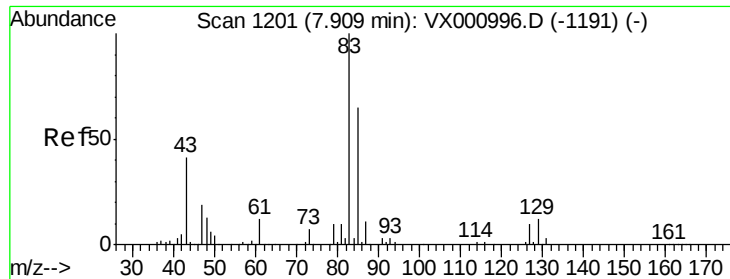
MMDadoda
 4/20/2018 2:09:29 PM



#46
 Dibromomethane
 Concen: 5.95 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Tgt Ion: 93 Resp: 9044
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 123.8 101.8 152.6





#47

Bromodichloromethane

Concen: 5.59 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

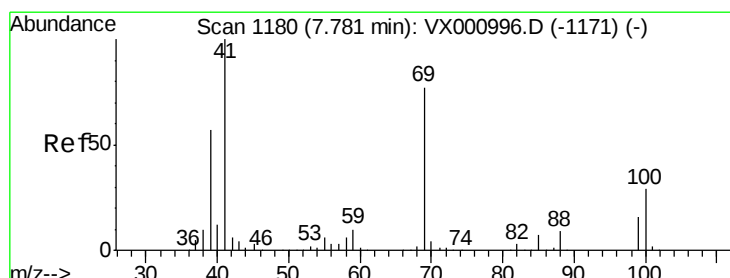
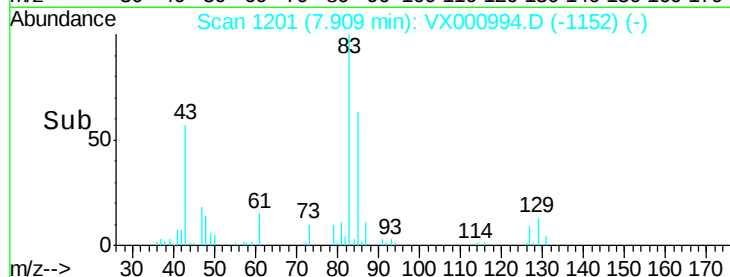
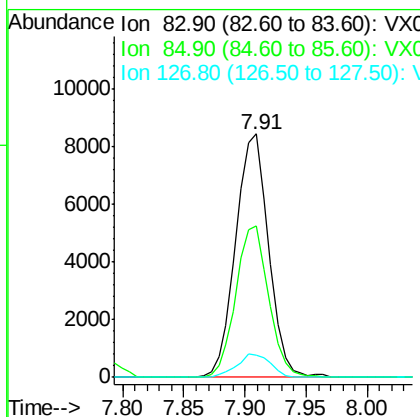
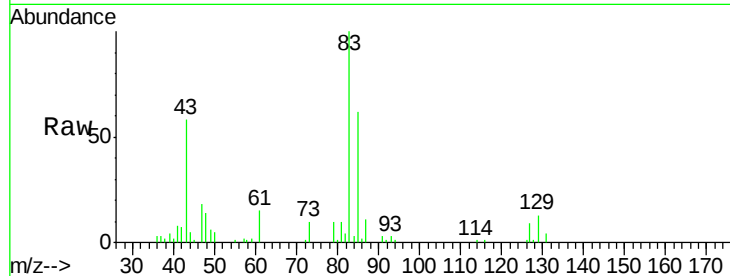
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15750
Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.3	78.5
127	9.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.83 ug/l

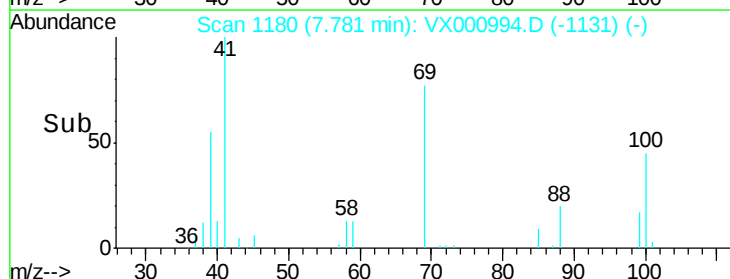
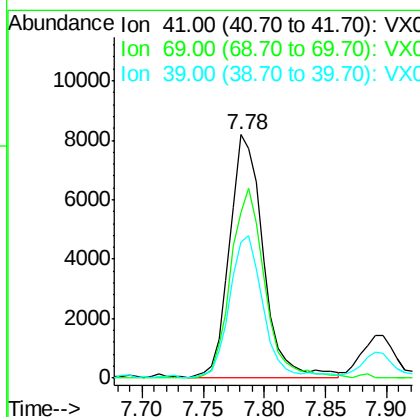
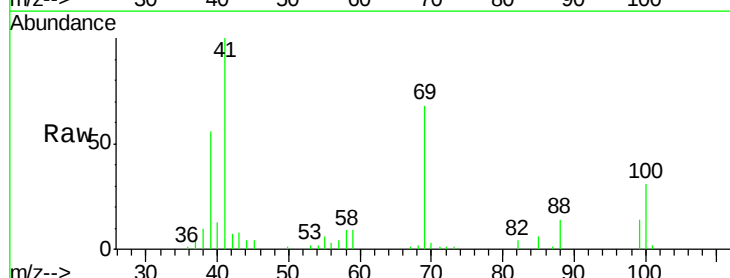
RT: 7.78 min Scan# 1180

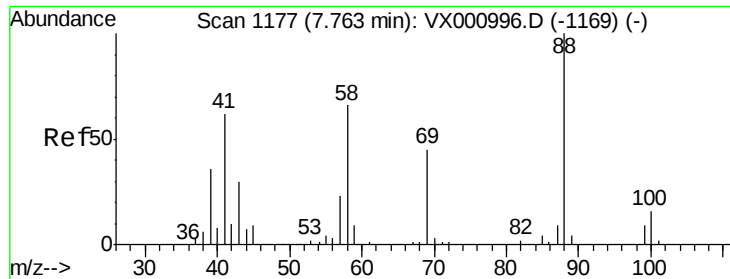
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	41	Resp:	15695
Ion	Ratio	Lower	Upper
41	100		
69	77.6	62.6	94.0
39	58.4	45.3	67.9





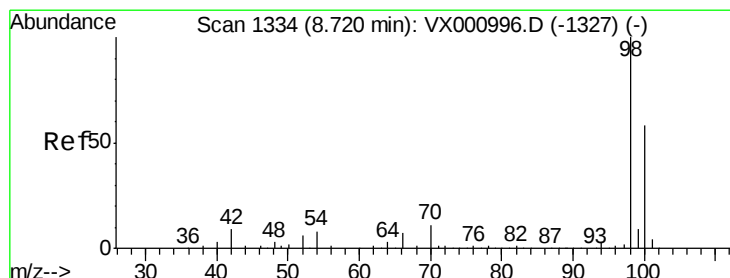
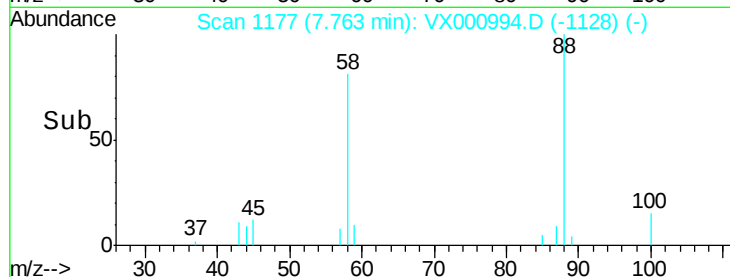
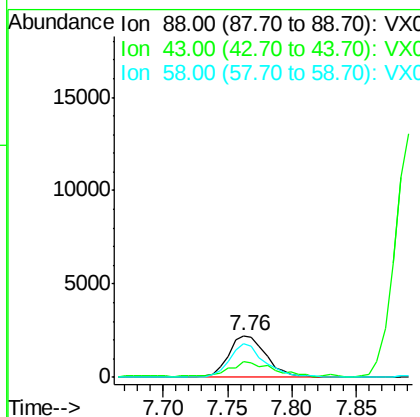
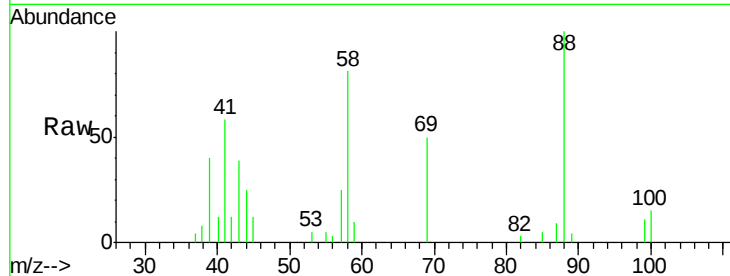
#49
1,4-Dioxane
Concen: 124.46 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.5	29.2	43.8#
58	76.2	55.0	82.6

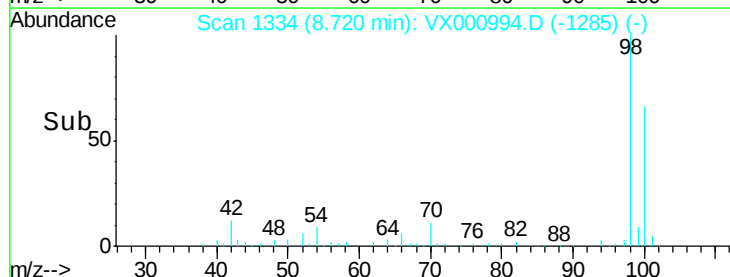
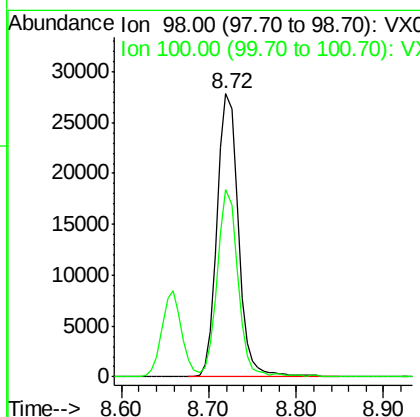
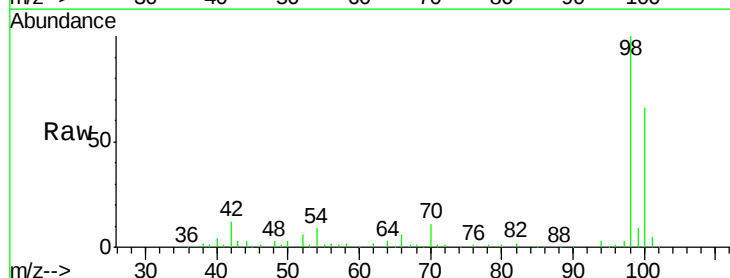
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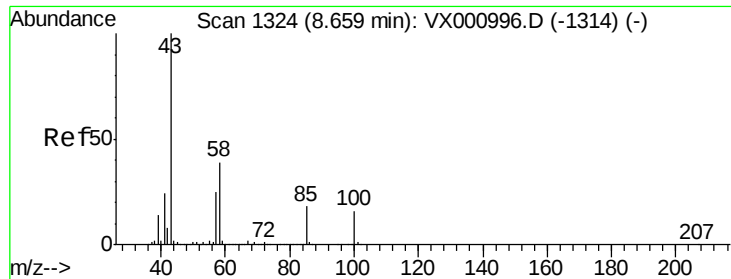
MMDadoda
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#50
Toluene-d8
Concen: 5.86 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.9	77.9





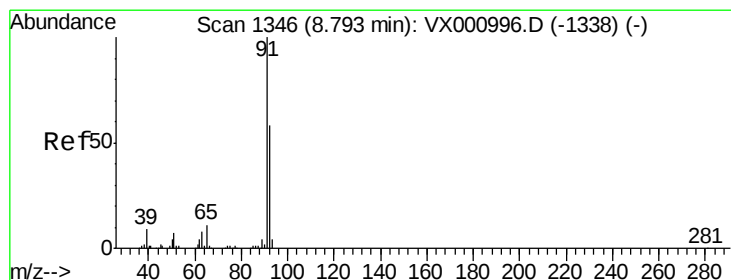
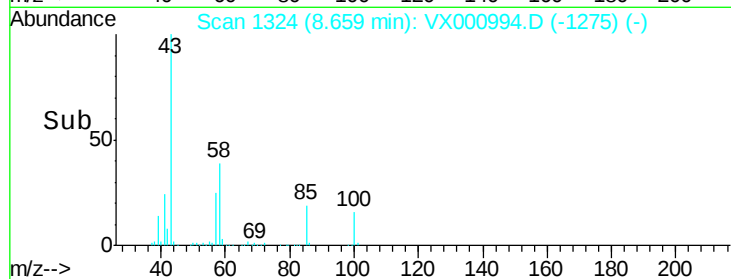
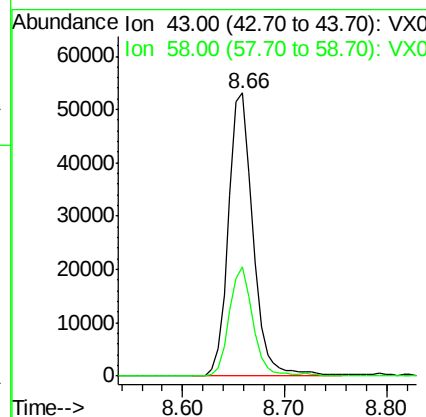
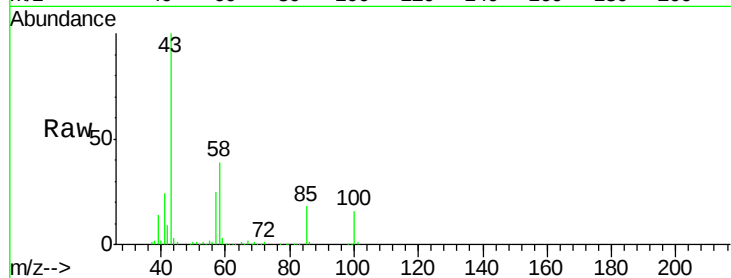
#51
4-Methyl-2-Pentanone
Concen: 30.62 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	88971
Ion Ratio	100	Lower	Upper
43	100		
58	37.6	30.2	45.4

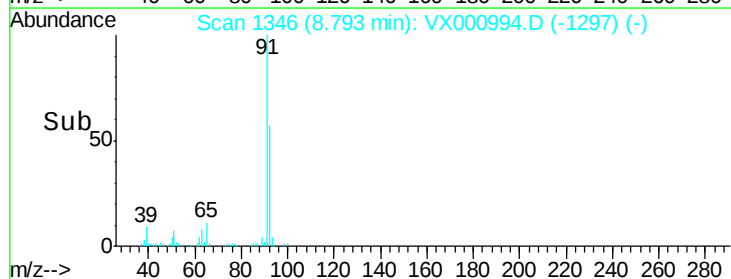
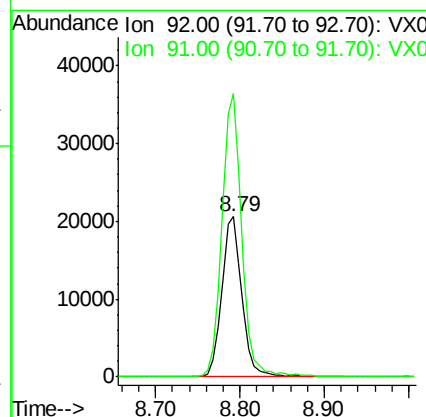
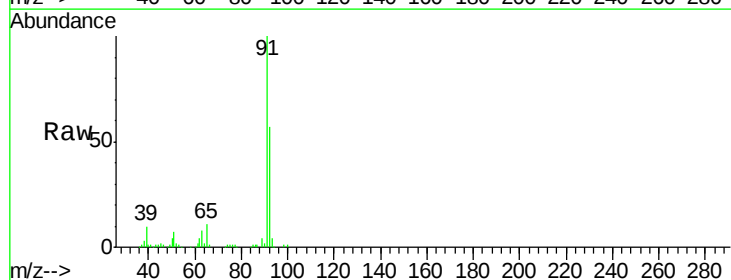
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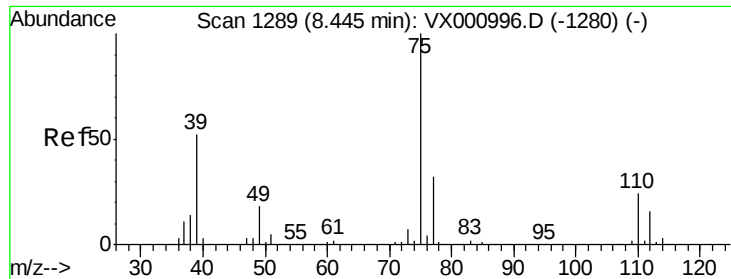
MMDadoda
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#52
Toluene
Concen: 6.13 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	92	Resp	34164
Ion Ratio	100	Lower	Upper
92	100		
91	174.4	138.2	207.4





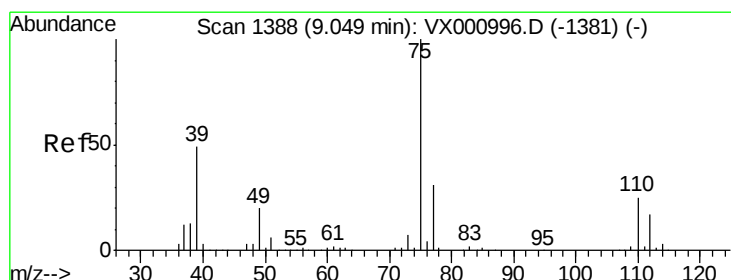
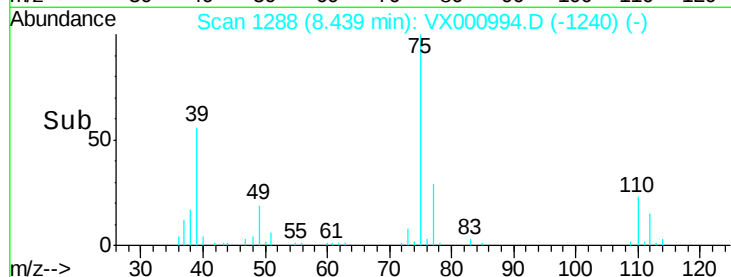
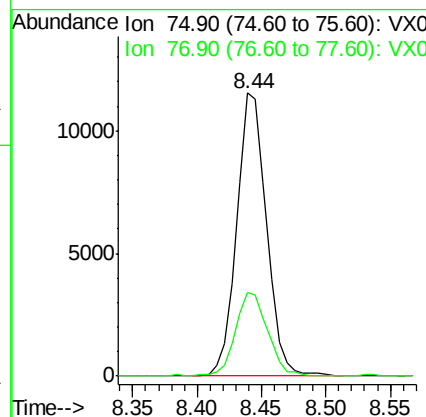
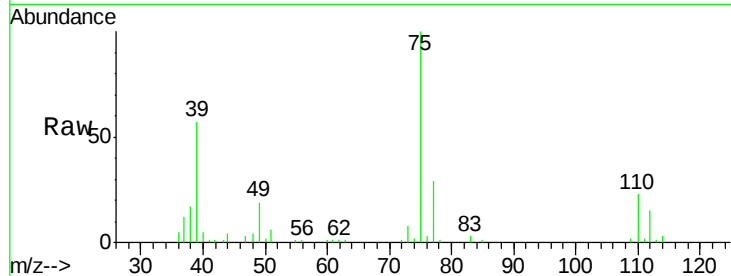
#53
t-1,3-Dichloropropene
Concen: 5.50 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 18599
Ion Ratio Lower Upper
75 100
77 29.5 25.8 38.6

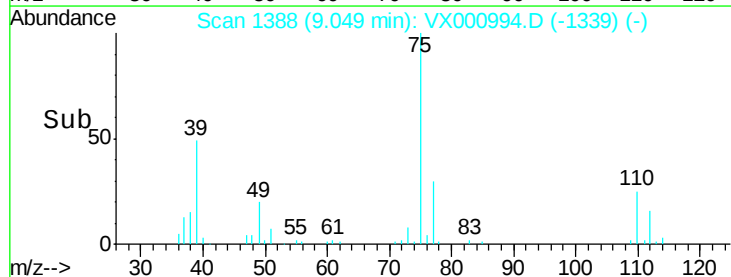
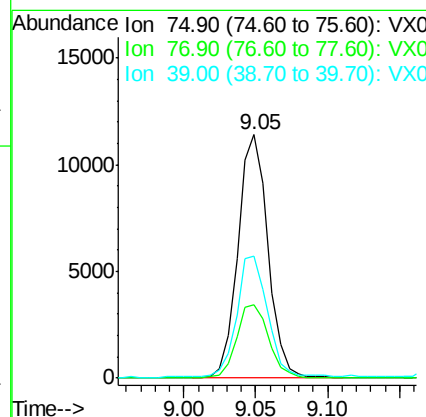
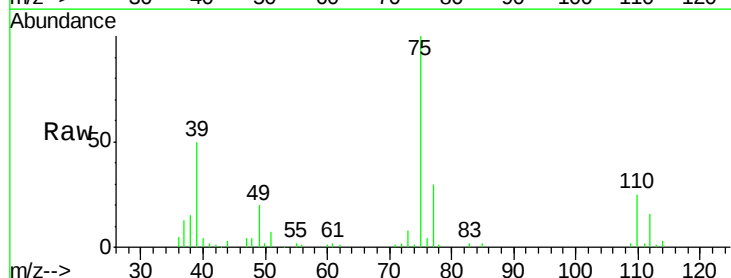
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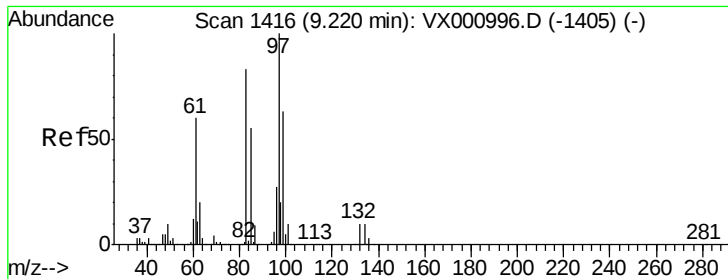
MMDadoda
4/20/2018 2:09:29 PM



#54
cis-1,3-Dichloropropene
Concen: 5.15 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion: 75 Resp: 16601
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.6
39 49.4 39.2 58.8





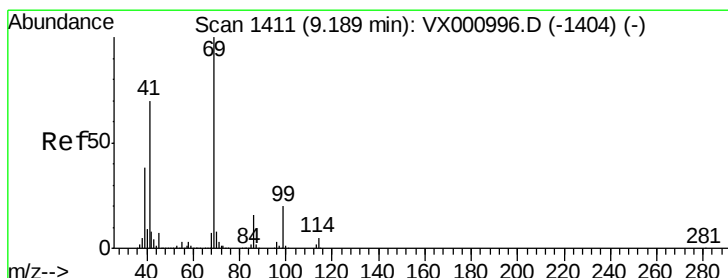
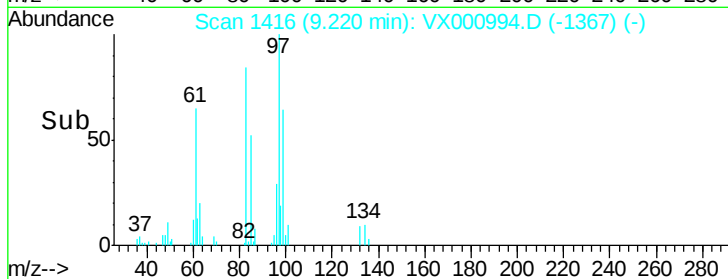
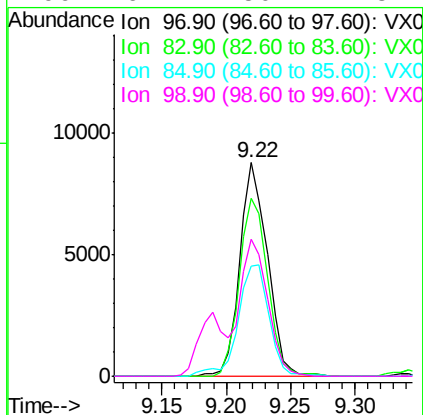
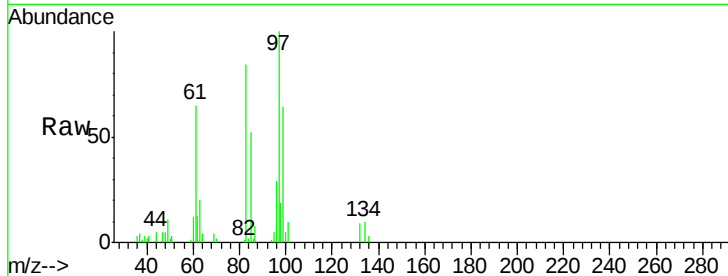
#55
 1,1,2-Trichloroethane
 Concen: 6.04 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	13091
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.2	99.4
85	51.6	44.2	66.4
99	64.4	50.2	75.4

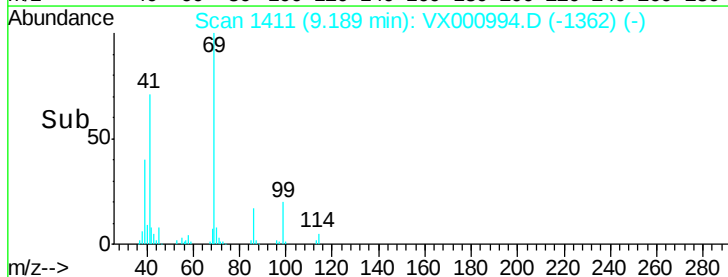
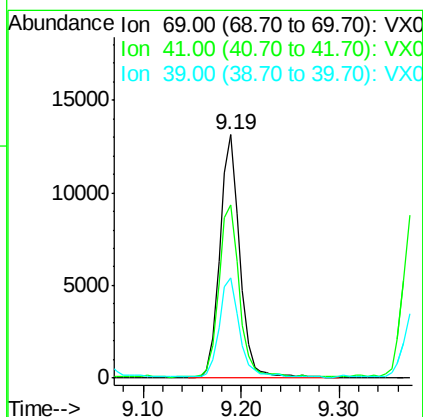
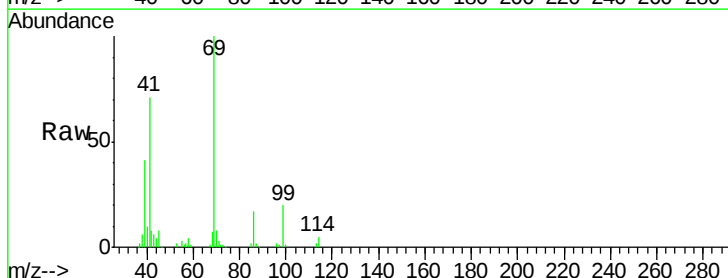
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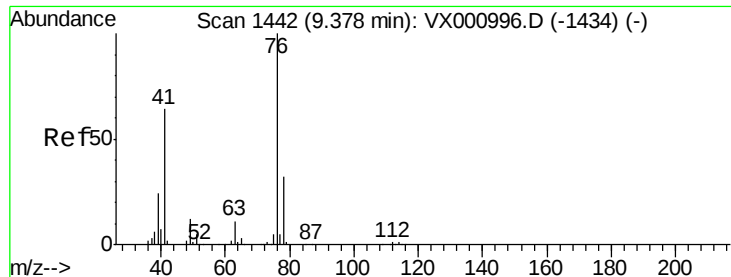
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#56
 Ethyl methacrylate
 Concen: 5.68 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Tgt Ion:	69	Resp:	18646
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.3	84.5
39	40.6	30.4	45.6





#57

1,3-Dichloropropane

Concen: 6.21 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22233

Ion Ratio Lower Upper

76 100

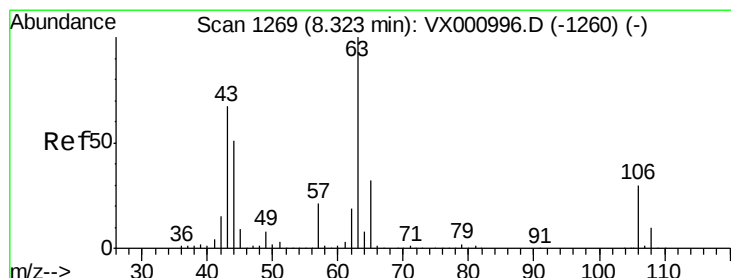
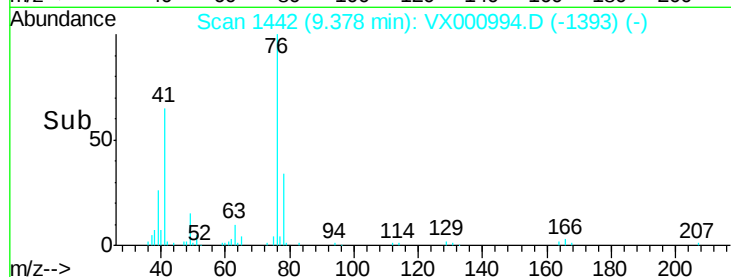
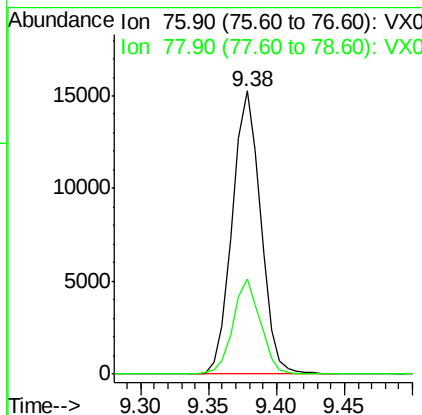
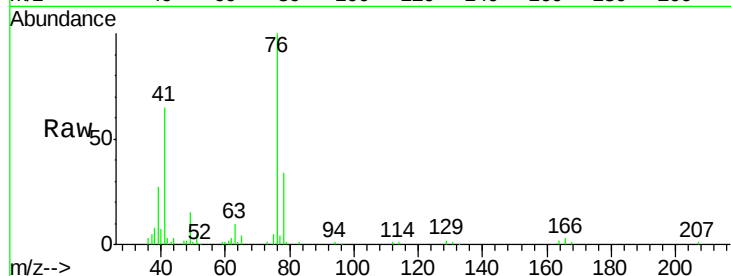
78 32.2 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 30.88 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000994.D

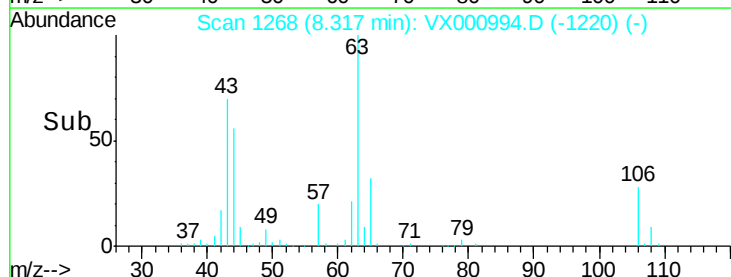
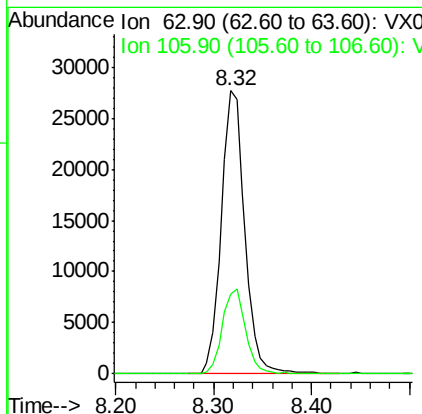
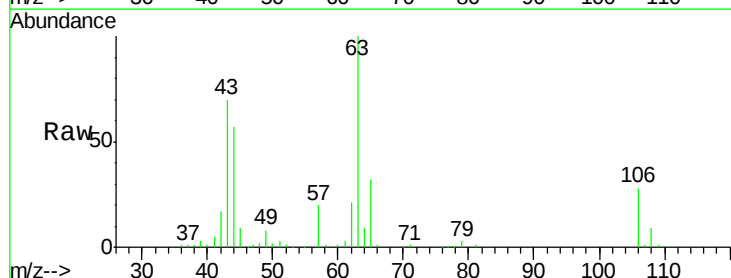
Acq: 19 Apr 2018 17:38

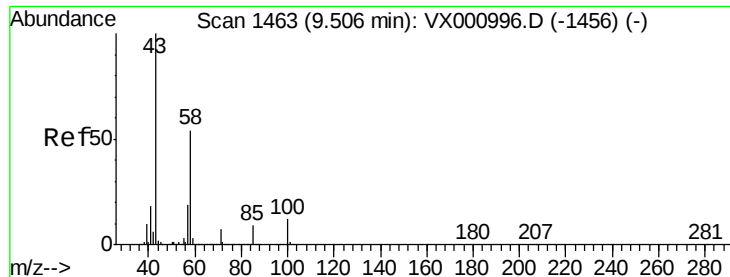
Tgt Ion: 63 Resp: 46207

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.6





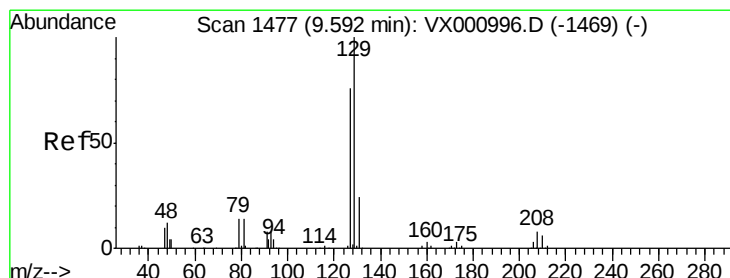
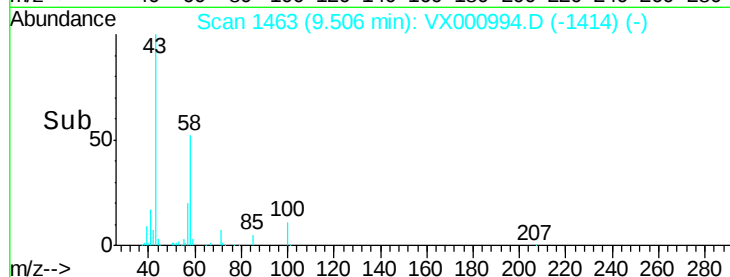
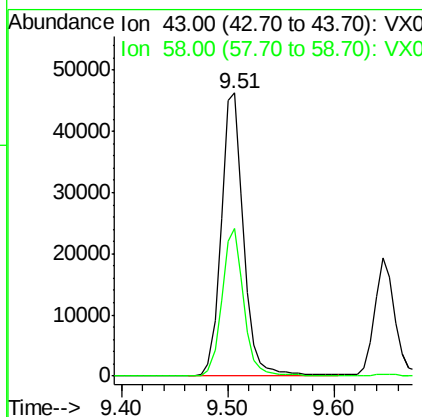
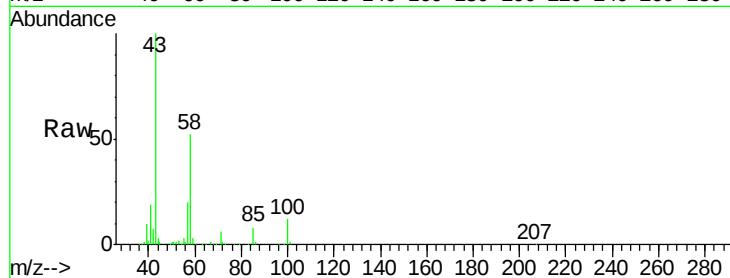
#59
2-Hexanone
Concen: 30.51 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 67986
Ion Ratio Lower Upper
43 100
58 50.6 26.3 78.9

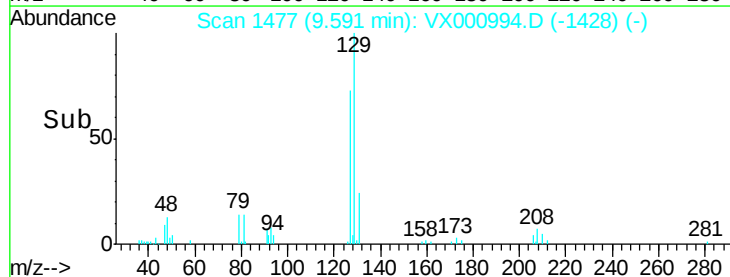
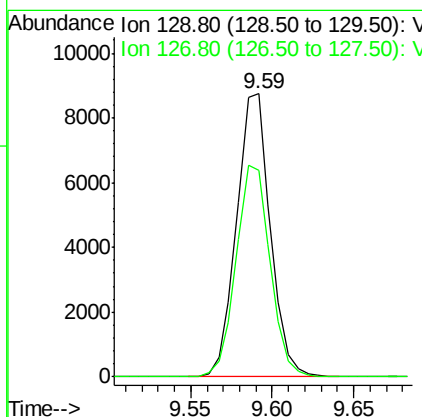
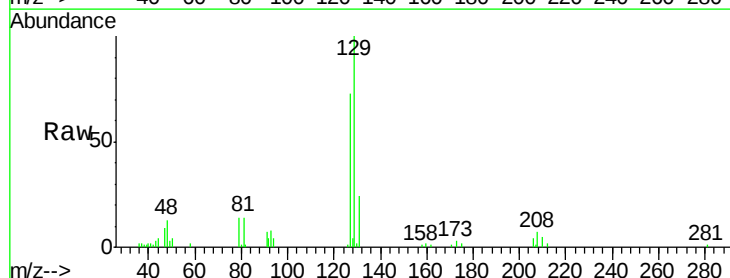
Manual Integrations
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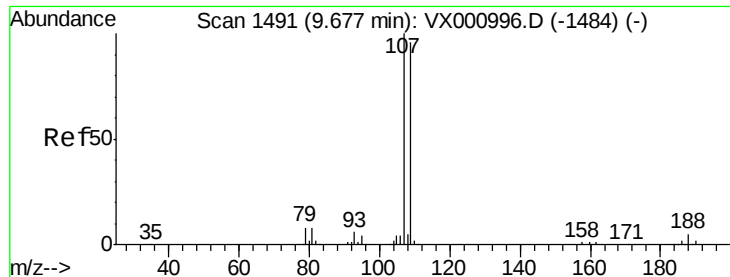
MMDadoda
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#60
Dibromochloromethane
Concen: 5.29 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion: 129 Resp: 12636
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 5.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 13595

Ion Ratio Lower Upper

107 100

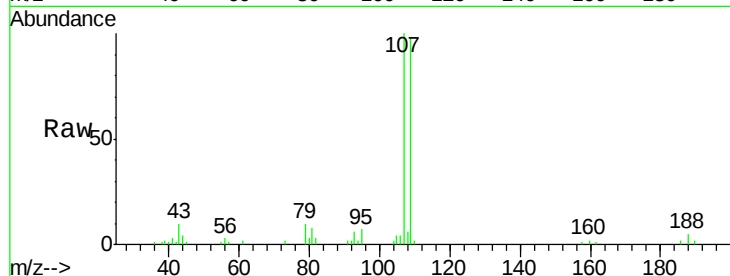
109 96.7 76.0 114.0

Manual Integrations

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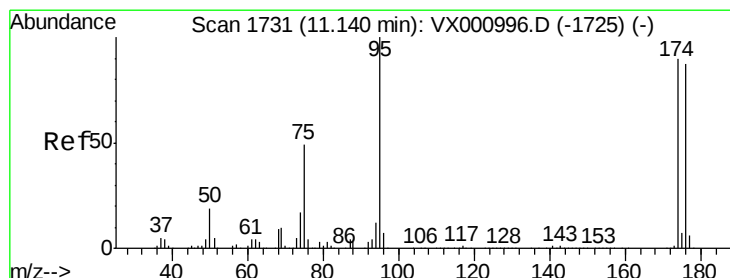
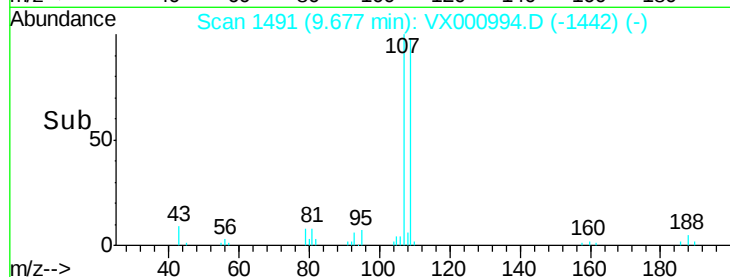
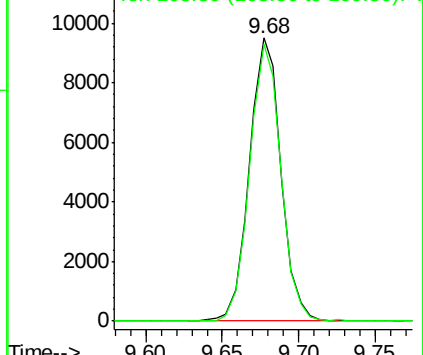
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

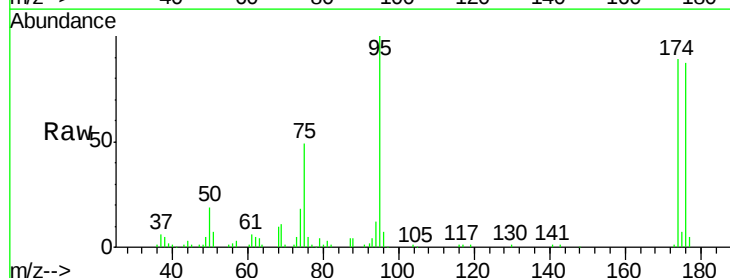
Tgt Ion: 95 Resp: 19679

Ion Ratio Lower Upper

95 100

174 94.0 0.0 198.4

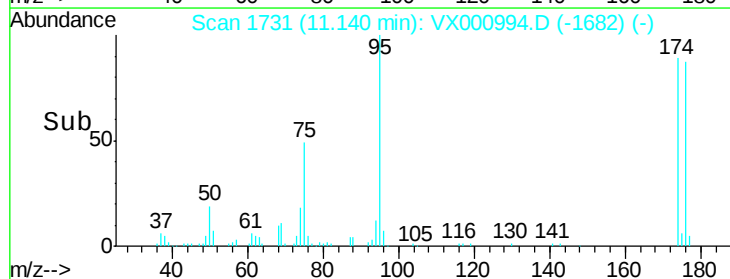
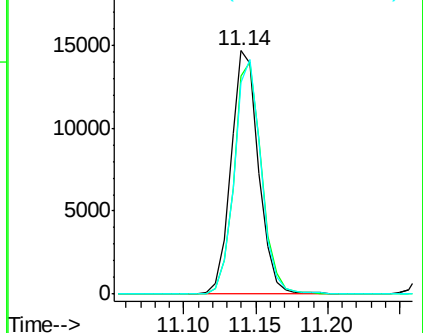
176 92.8 0.0 192.0

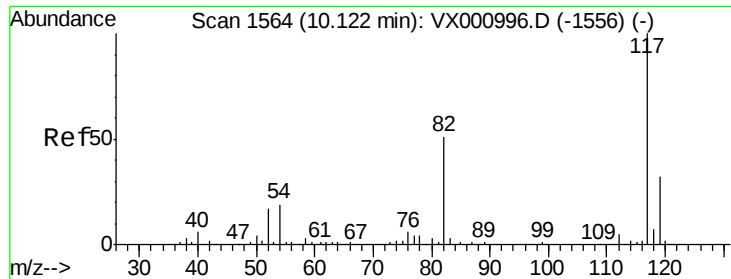


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





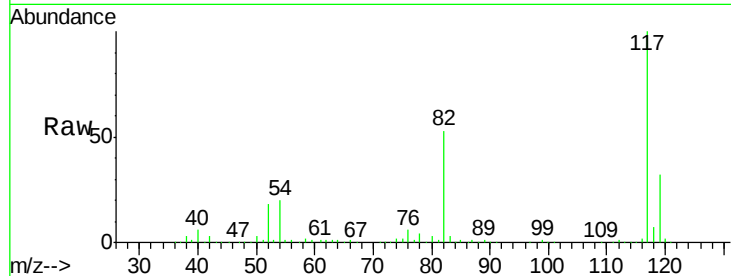
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	40.6	60.8
119	32.1	26.0	39.0

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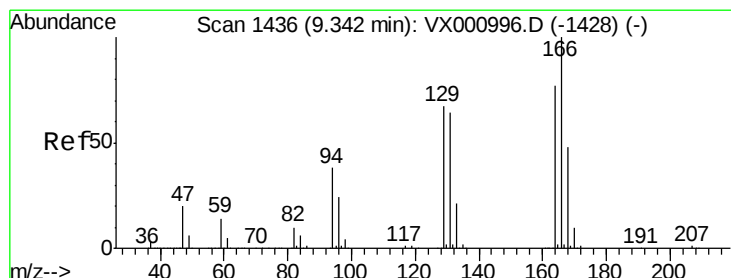
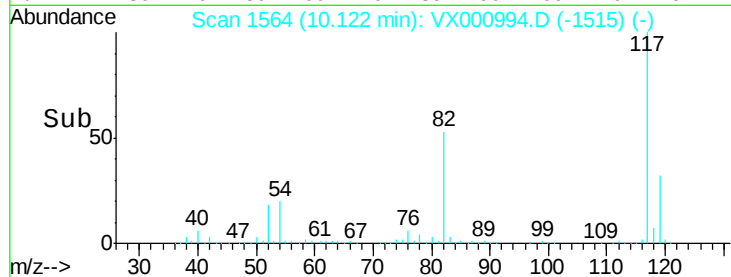
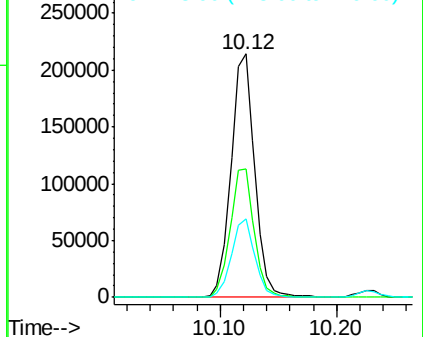


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 6.07 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.5	155.3
129	84.0	69.6	104.4
131	79.8	65.8	98.8

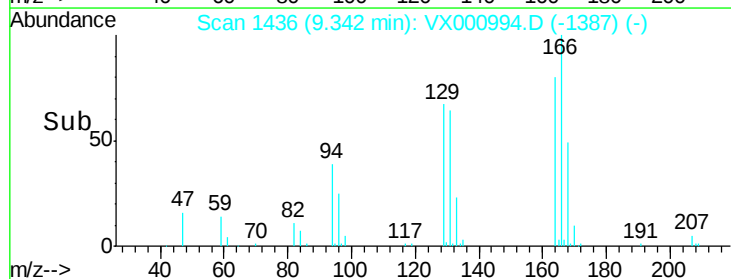
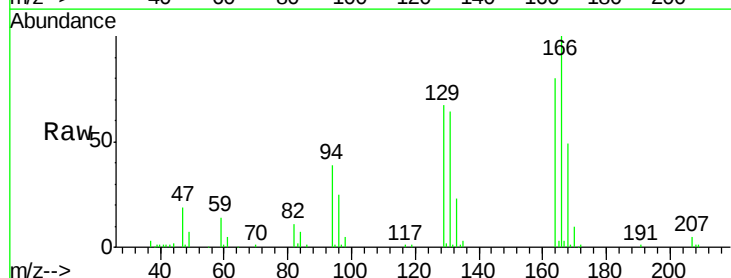
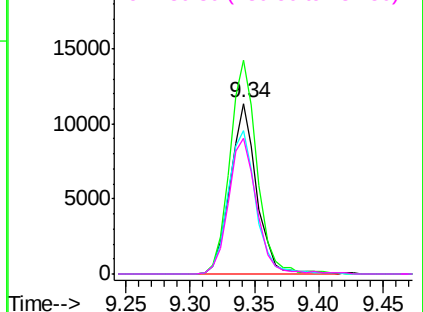
Abundance

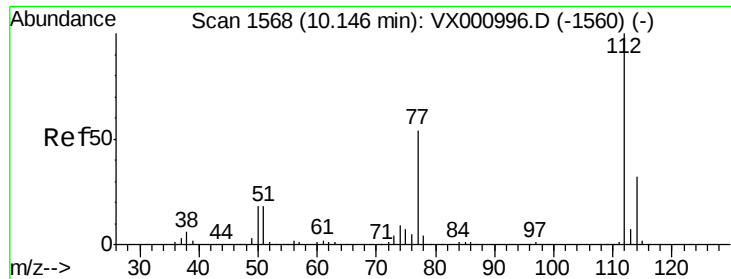
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 6.01 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 40017

Ion Ratio Lower Upper

112 100

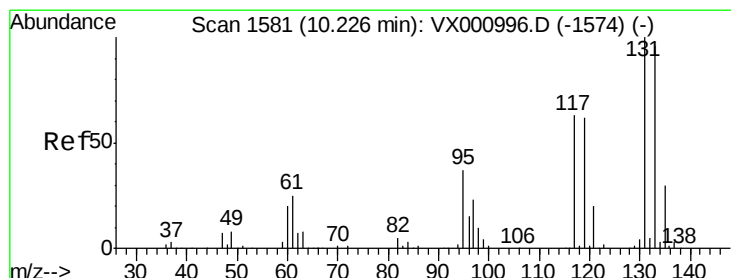
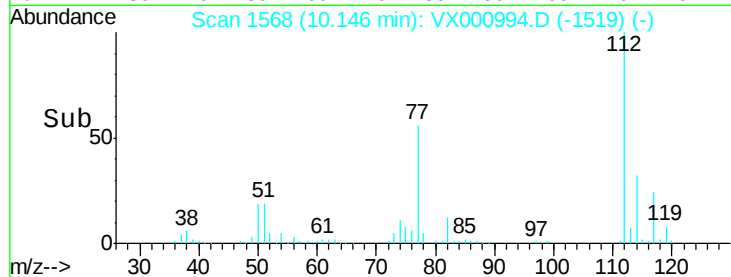
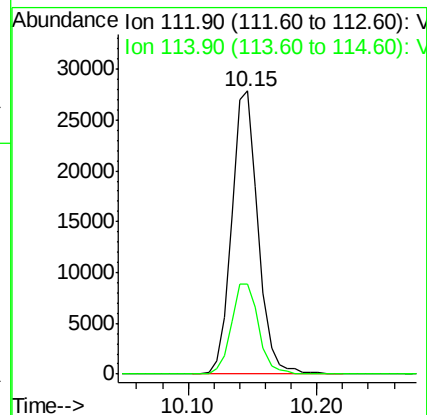
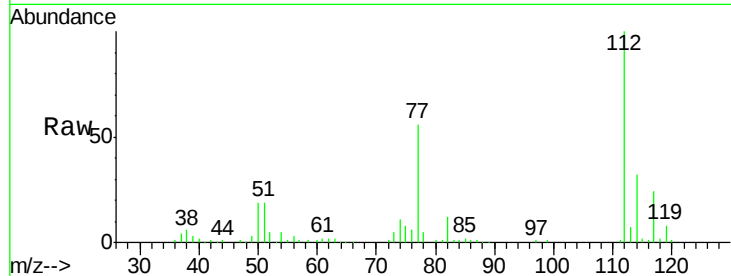
114 31.7 25.5 38.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.42 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

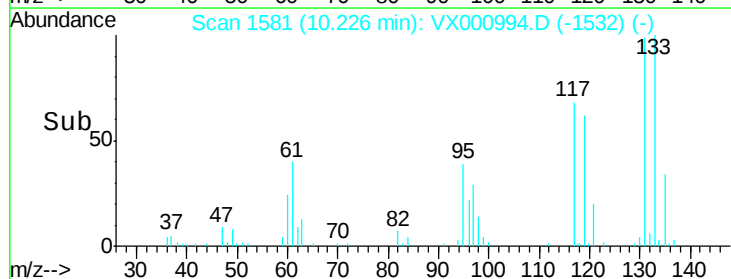
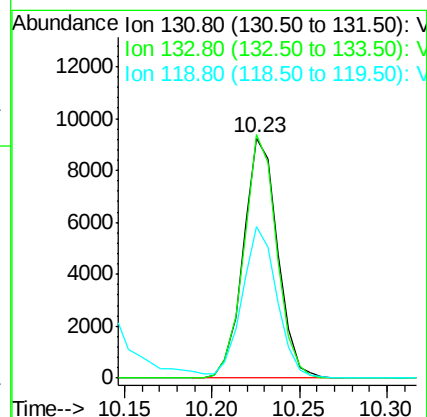
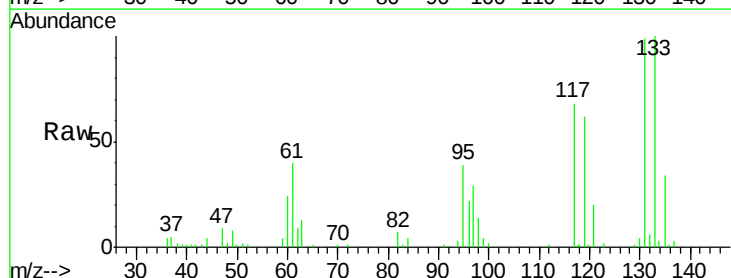
Tgt Ion:131 Resp: 12539

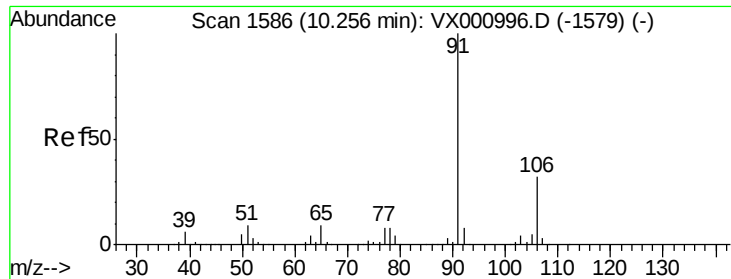
Ion Ratio Lower Upper

131 100

133 96.9 47.6 142.8

119 64.1 31.1 93.2





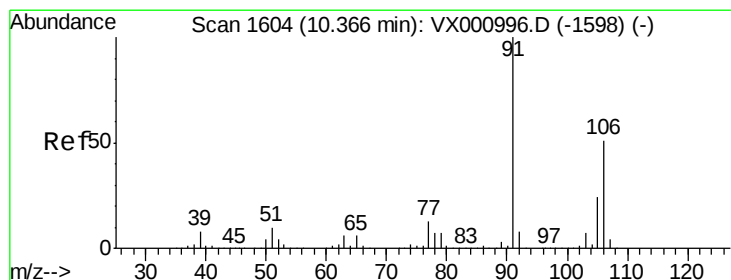
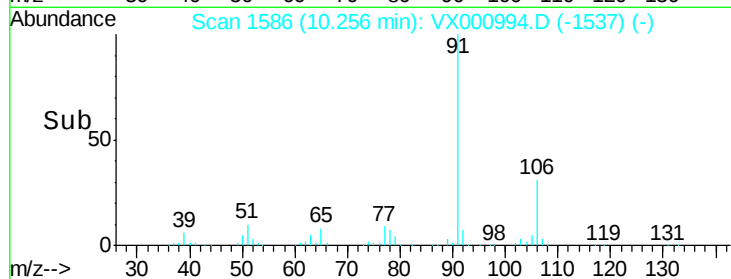
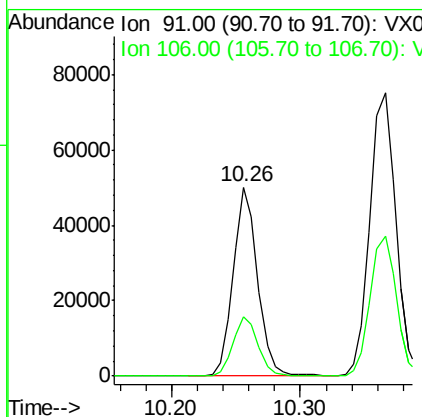
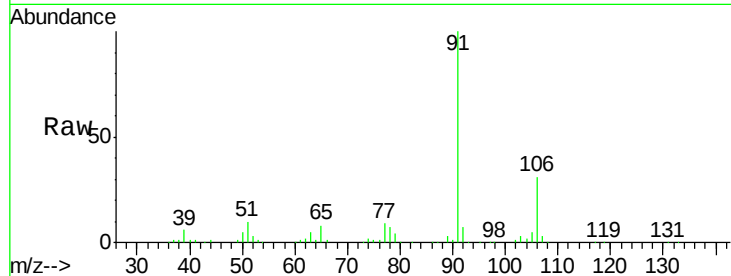
#67
Ethyl Benzene
Concen: 6.09 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 66466
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

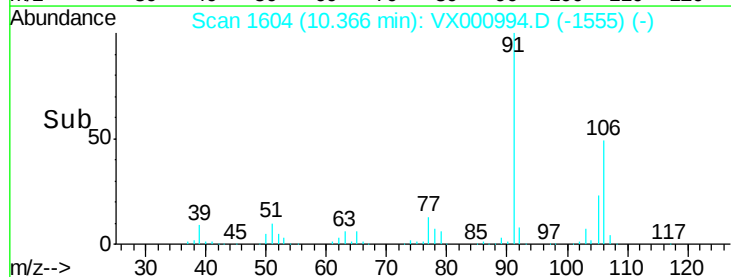
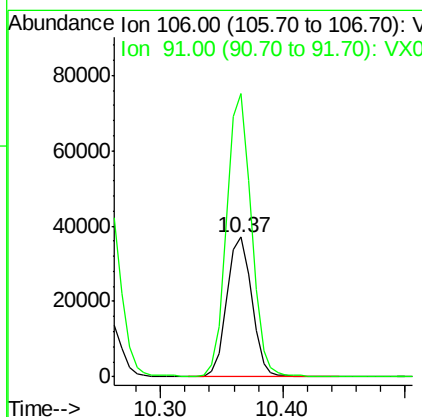
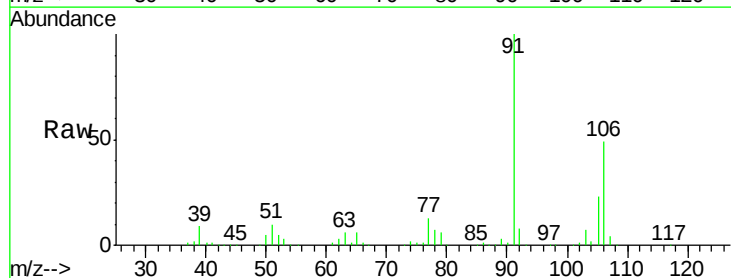
Manual Integrations
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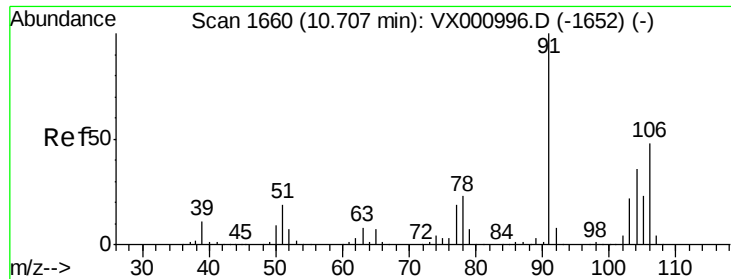
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#68
m/p-Xylenes
Concen: 12.18 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion: 106 Resp: 52692
Ion Ratio Lower Upper
106 100
91 200.1 159.3 238.9





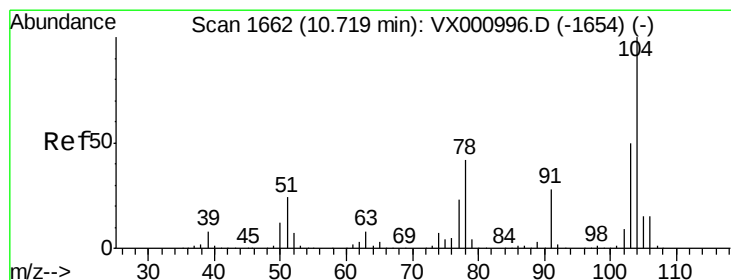
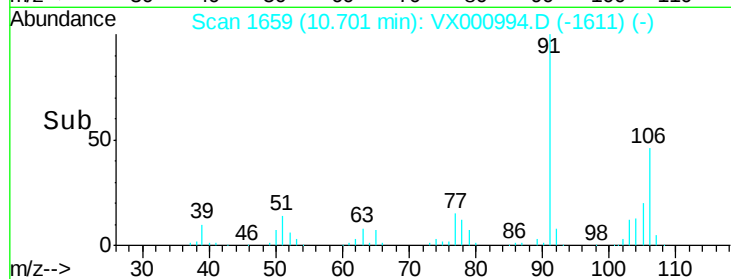
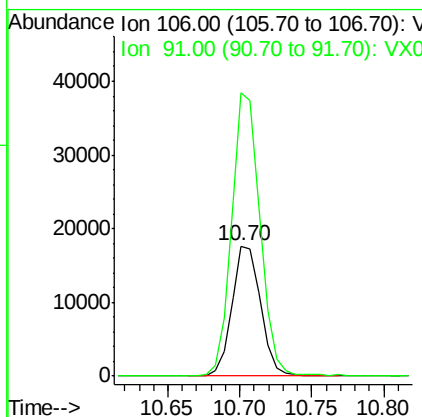
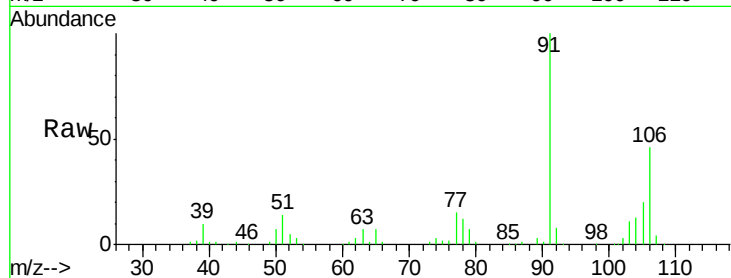
#69
o-Xylene
Concen: 5.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 24721
Ion Ratio Lower Upper
106 100
91 215.2 105.1 315.1

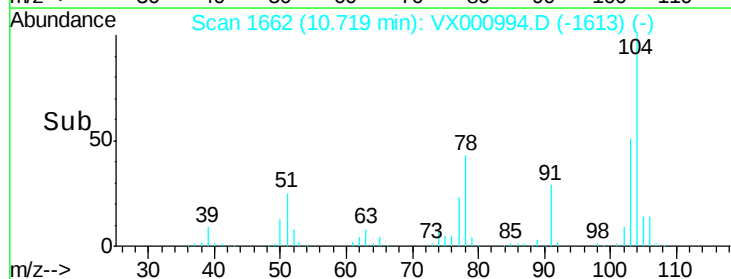
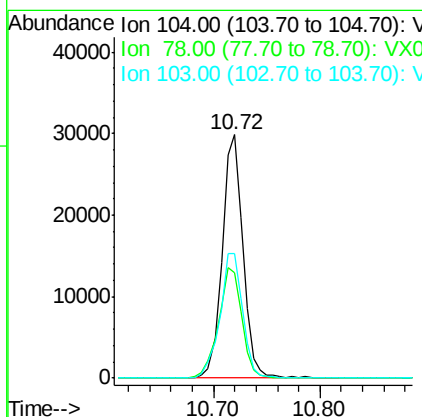
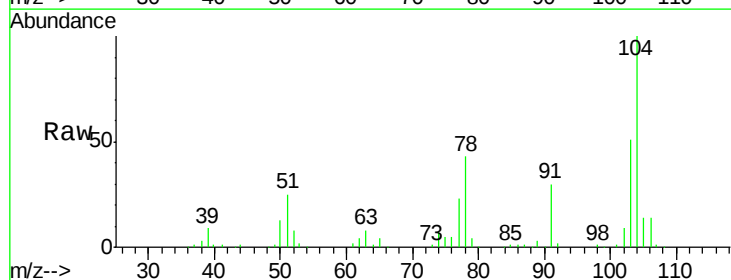
Manual Integrations
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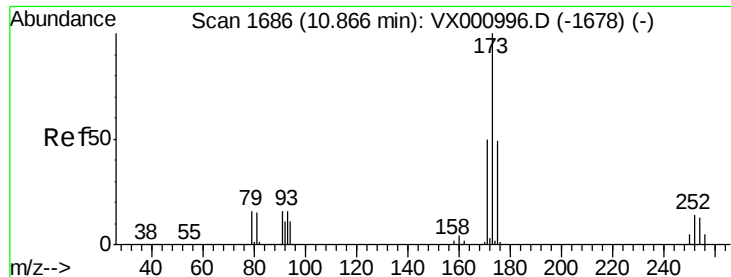
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#70
Styrene
Concen: 5.84 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion:104 Resp: 40685
Ion Ratio Lower Upper
104 100
78 50.6 39.4 59.2
103 55.8 44.2 66.2





#71

Bromoform

Concen: 4.47 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8887

Ion Ratio Lower Upper

173 100

175 51.6 24.8 74.3

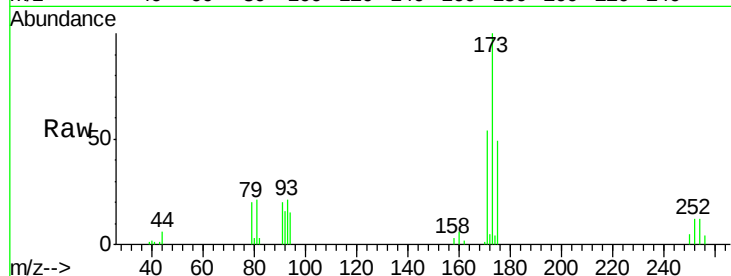
254 0.0 0.2 0.2#

Manual Integrations

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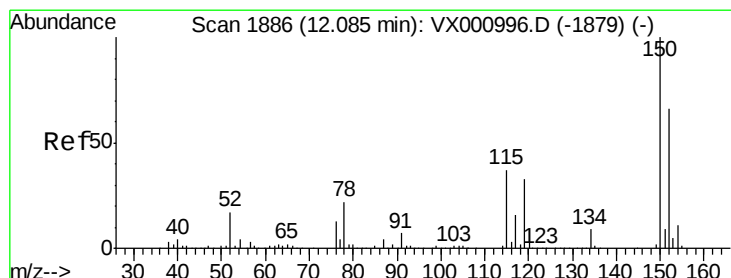
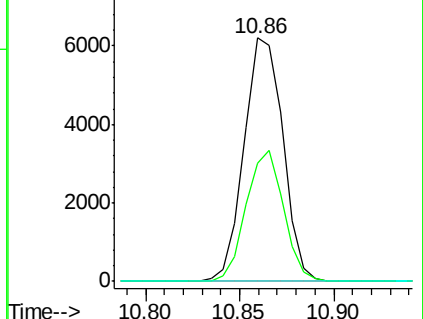
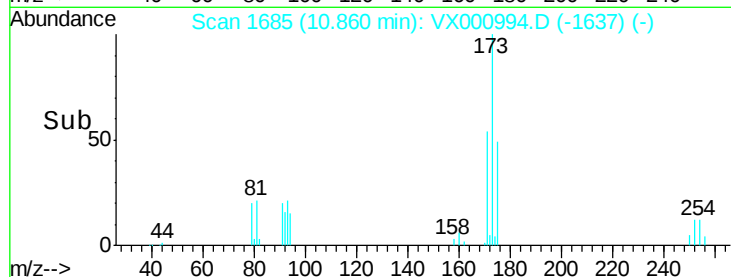
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

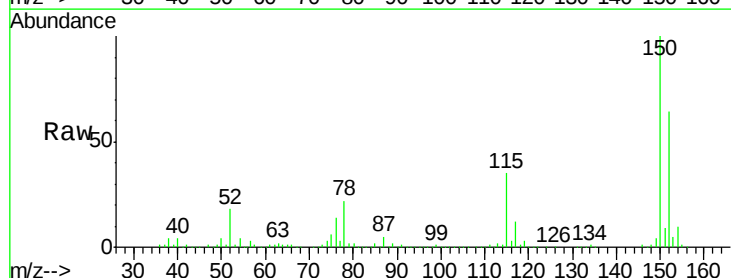
Tgt Ion:152 Resp: 207374

Ion Ratio Lower Upper

152 100

115 56.3 38.2 114.6

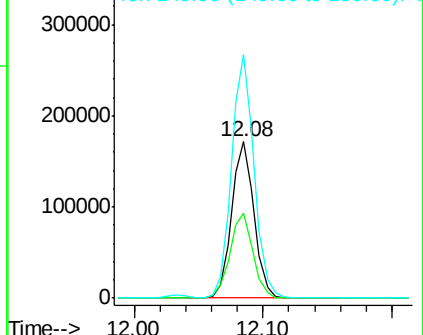
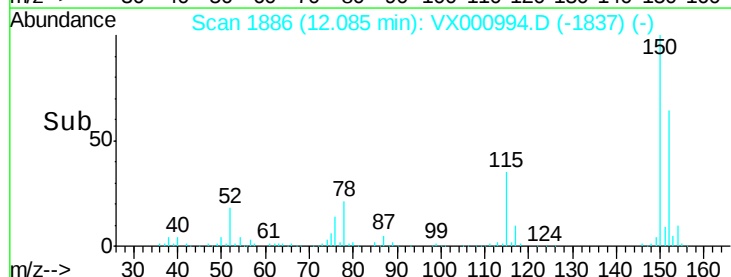
150 157.7 0.0 350.4

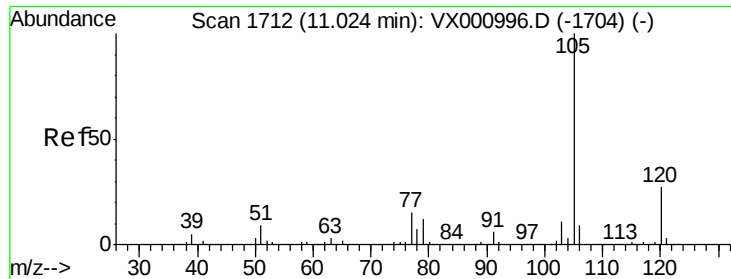


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.00 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 68412

Ion Ratio Lower Upper

105 100

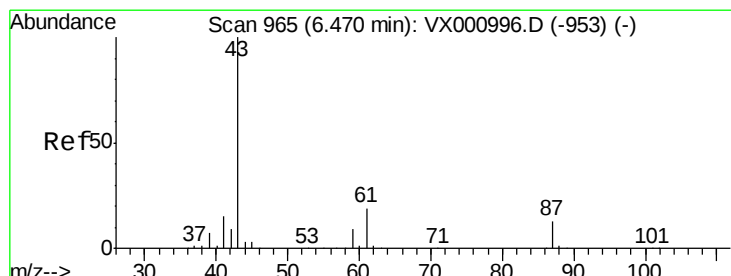
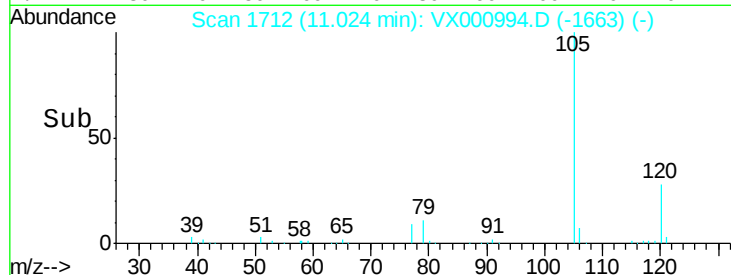
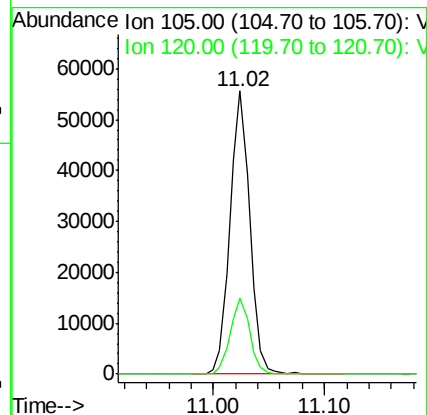
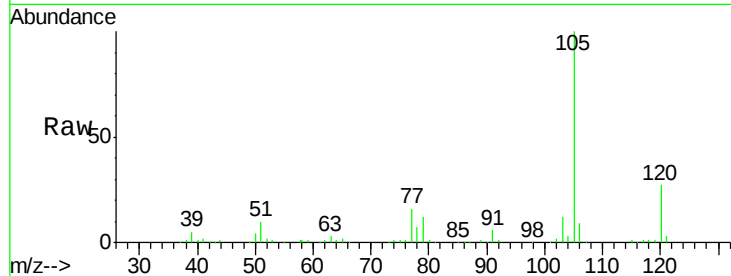
120 26.3 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 6.06 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion: 43 Resp: 28864

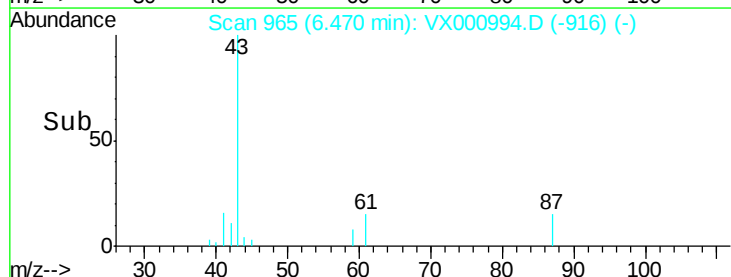
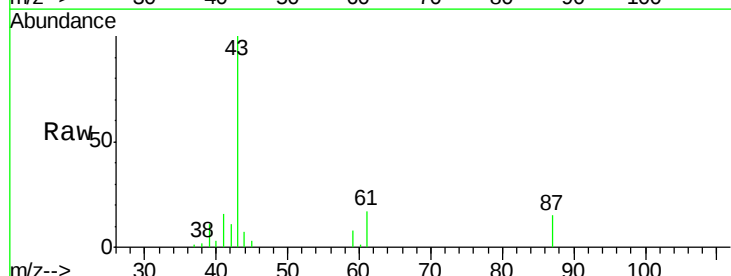
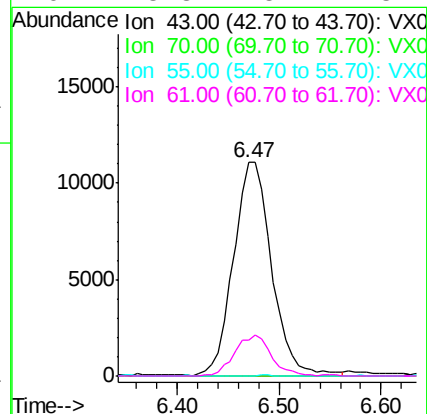
Ion Ratio Lower Upper

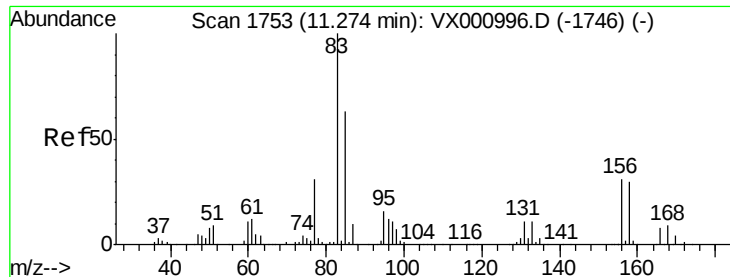
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 18.3 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.81 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

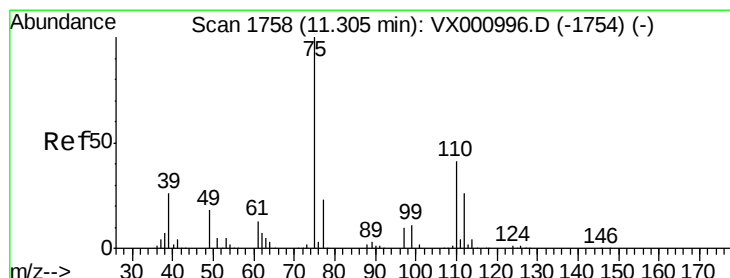
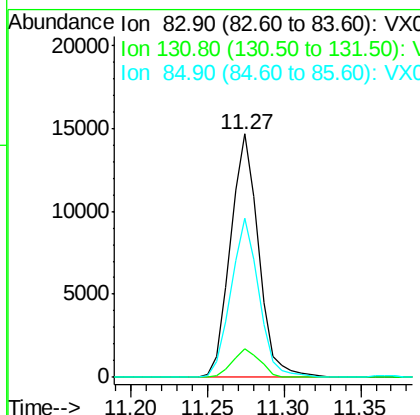
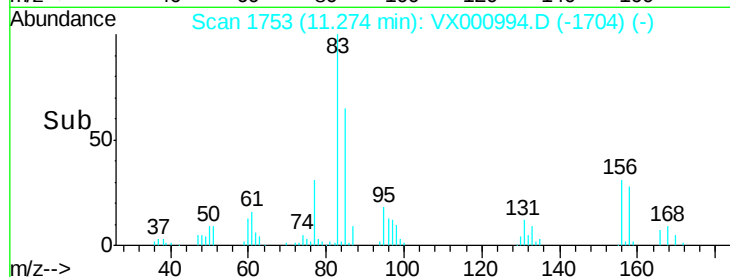
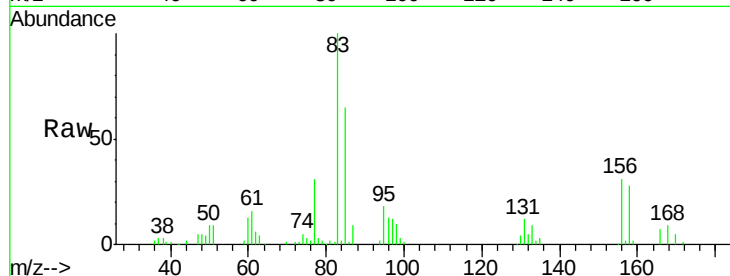
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18695
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	64.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.09 ug/l m

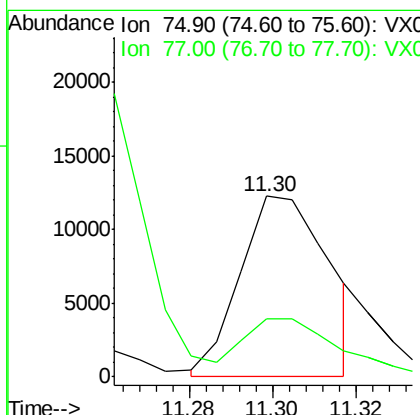
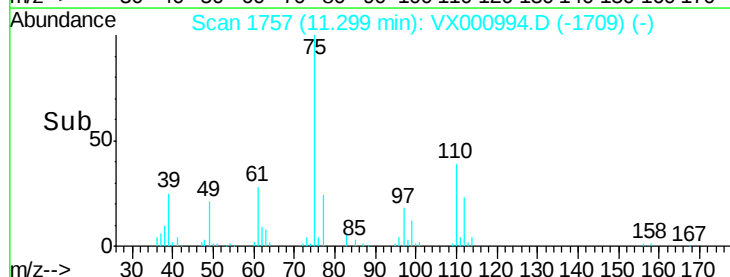
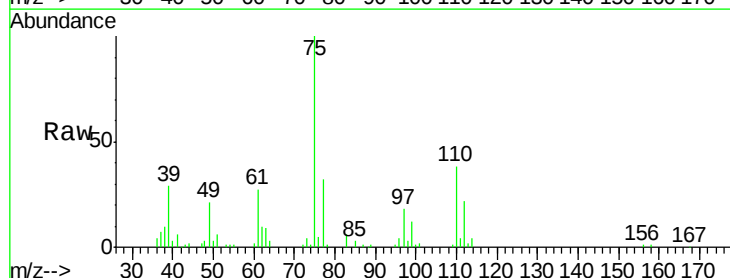
RT: 11.30 min Scan# 1757

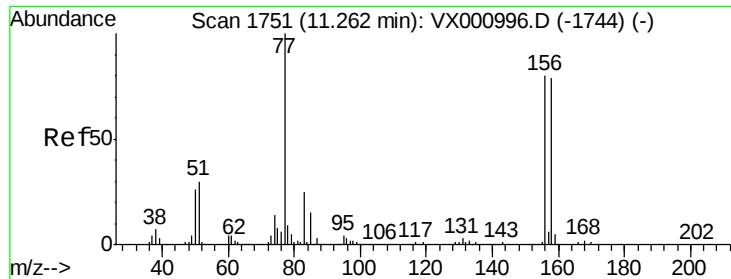
Delta R.T. -0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	75	Resp:	18022
Ion Ratio	Lower	Upper	
75	100		
77	35.6	19.6	58.7





#77

Bromobenzene

Concen: 5.80 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

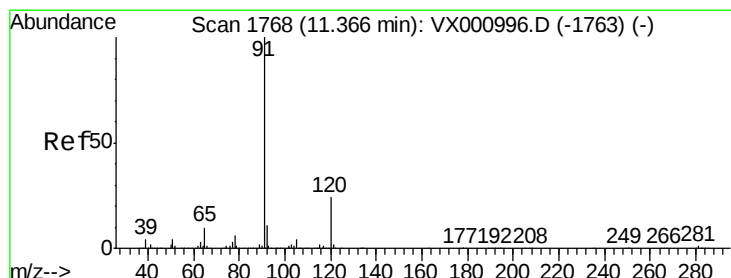
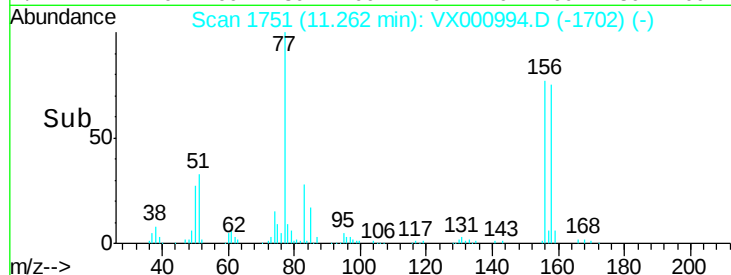
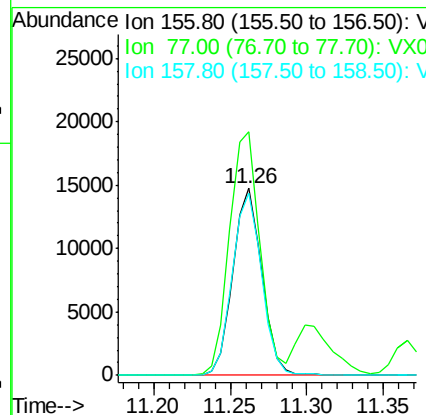
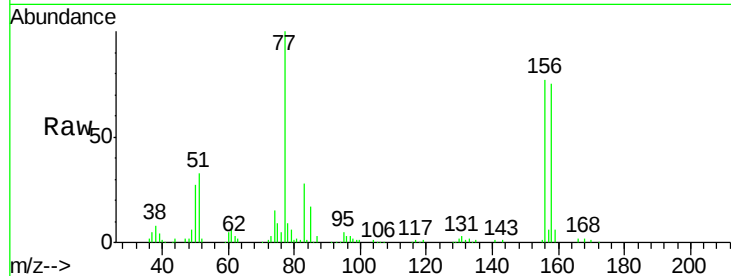
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	138.0	66.3	199.0
158	98.2	48.9	146.6

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#78

n-propylbenzene

Concen: 5.98 ug/l

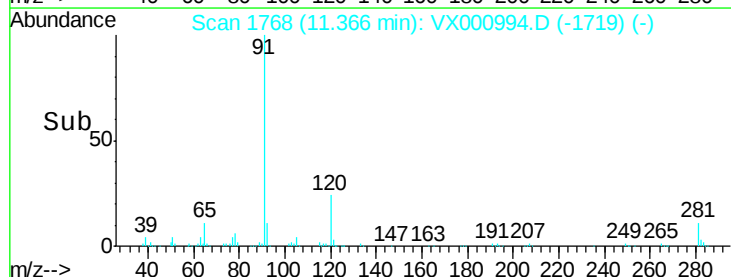
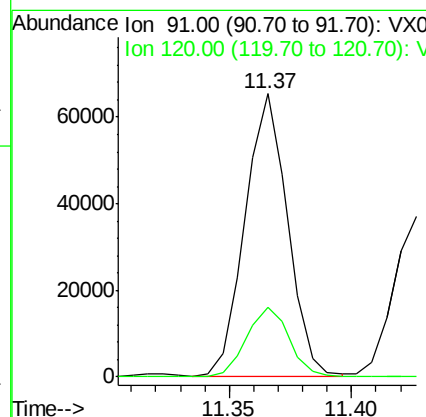
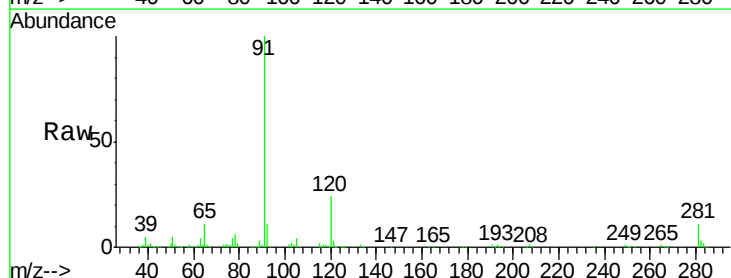
RT: 11.37 min Scan# 1768

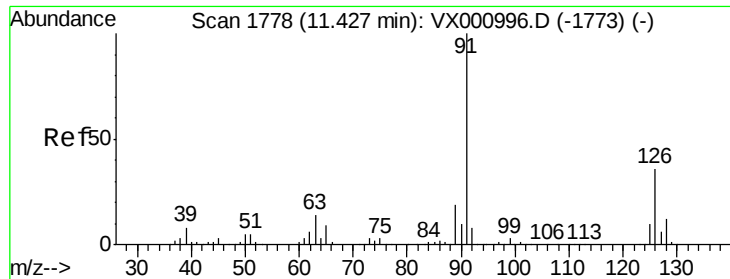
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.0





#79

2-Chlorotoluene

Concen: 5.97 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 46602

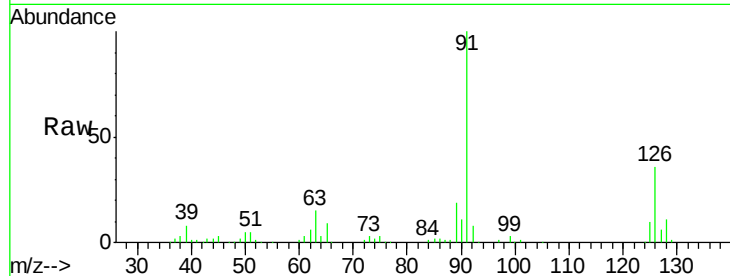
Ion Ratio Lower Upper

91 100

126 36.1 18.3 54.9

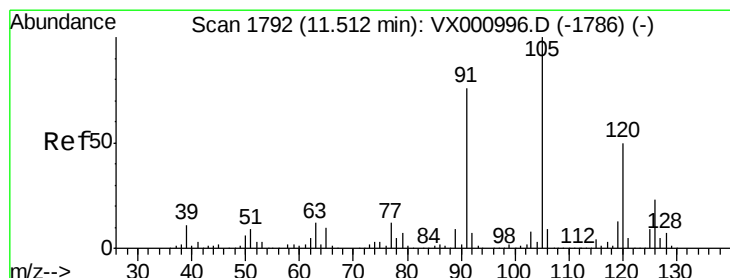
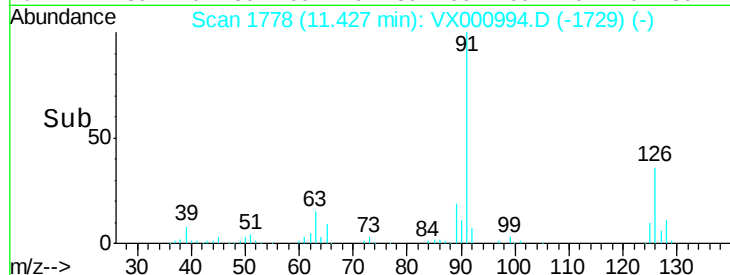
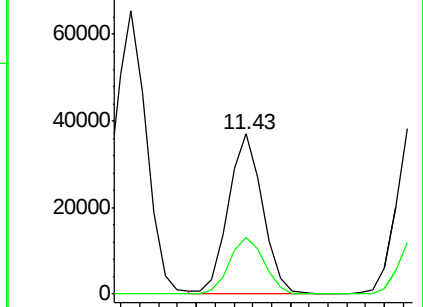
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Abundance Ion 91.00 (90.70 to 91.70): VX000994.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000994.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.98 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000994.D

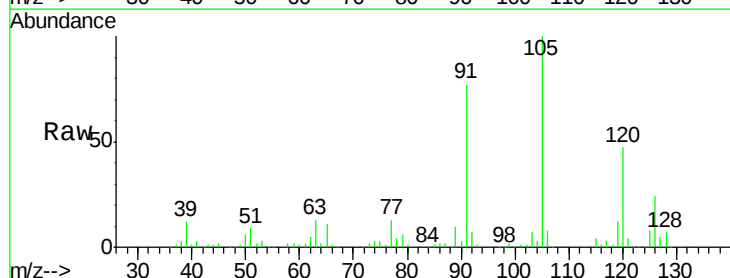
Acq: 19 Apr 2018 17:38

Tgt Ion: 105 Resp: 57904

Ion Ratio Lower Upper

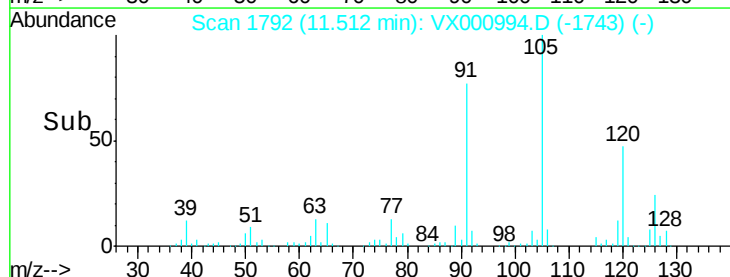
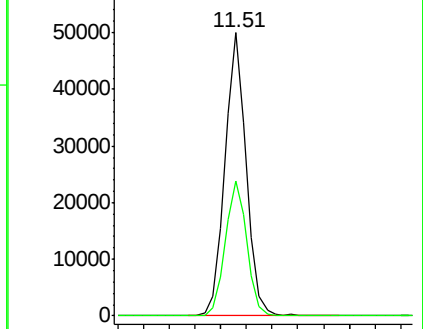
105 100

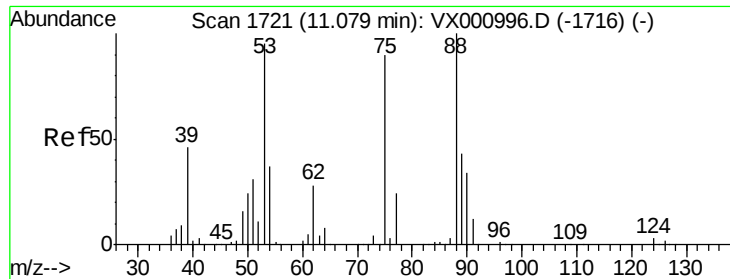
120 48.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000994.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX000994.D (-1743) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.27 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

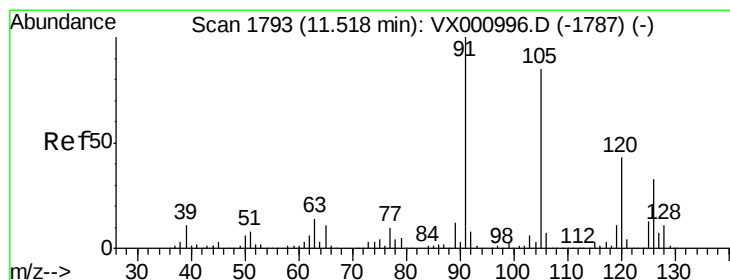
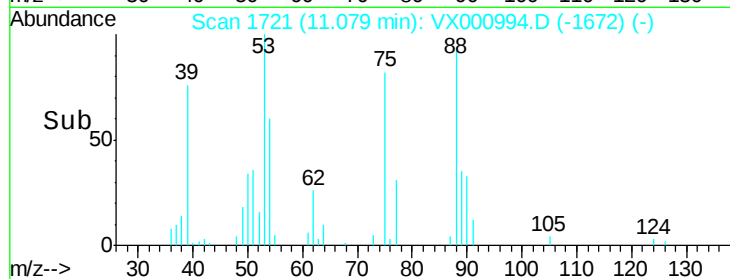
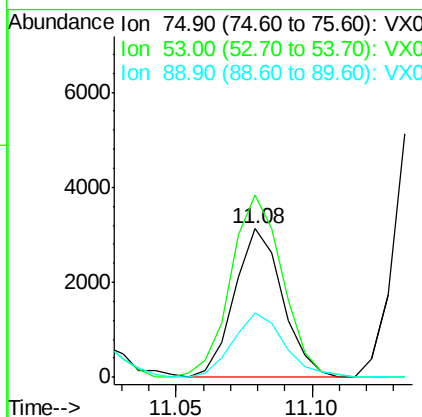
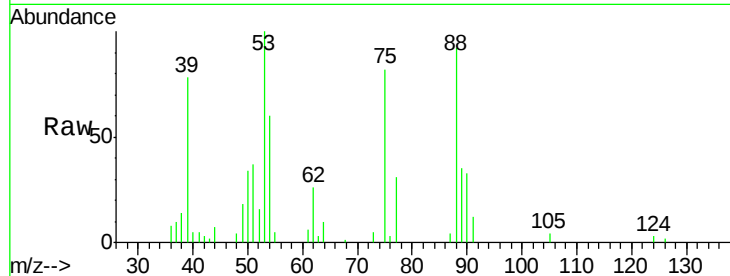
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	132.0	83.4	125.2#
89	46.7	39.7	59.5

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#82

4-Chlorotoluene

Concen: 5.93 ug/l

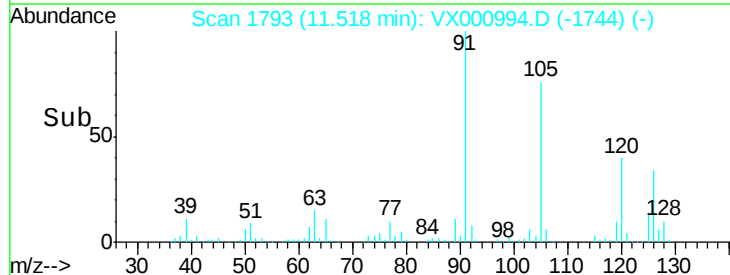
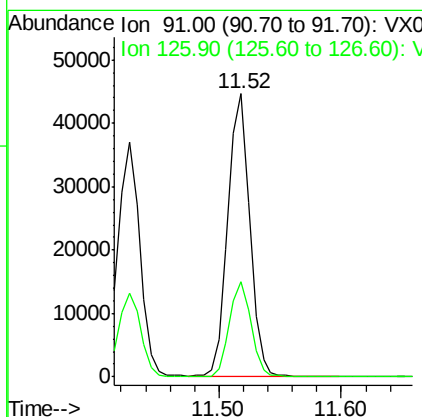
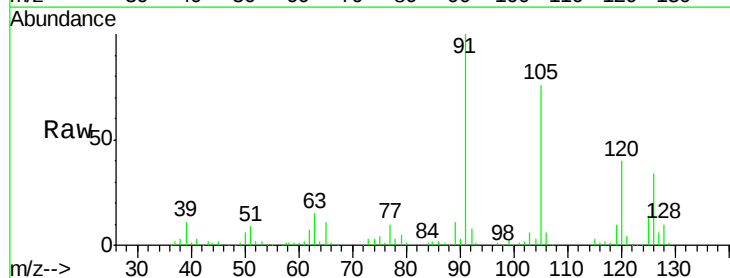
RT: 11.52 min Scan# 1793

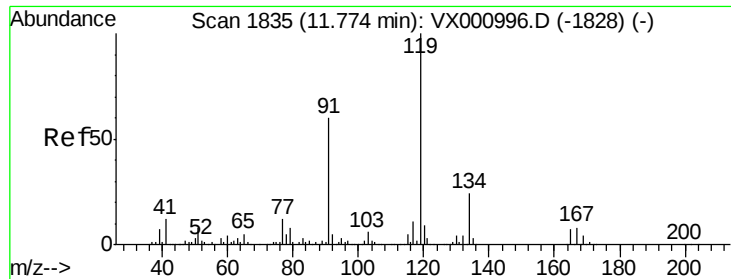
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.5





#83

tert-Butylbenzene

Concen: 5.70 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

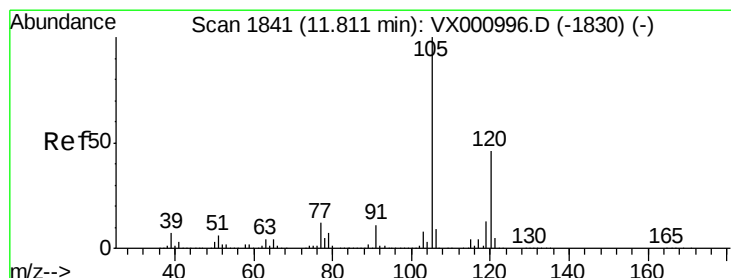
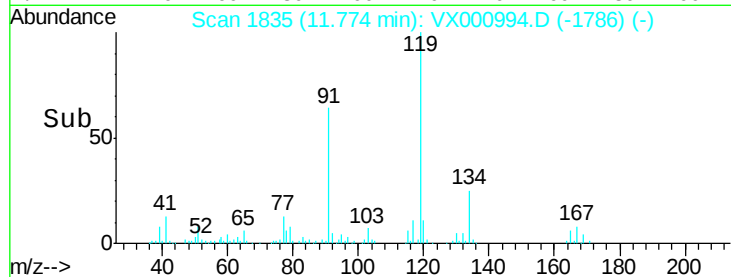
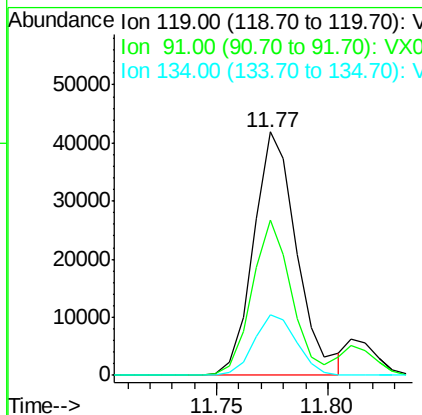
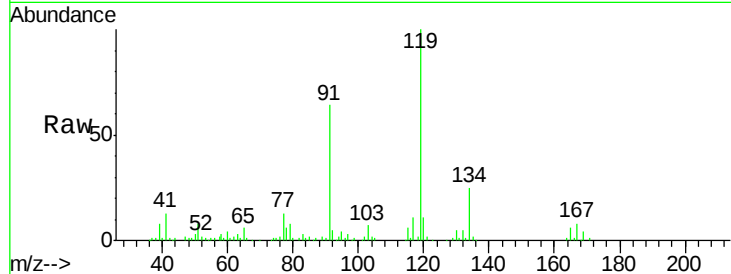
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	56711
Ion Ratio	Lower	Upper	
119	100		
91	58.3	27.0	81.0
134	24.3	11.6	34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 6.01 ug/l

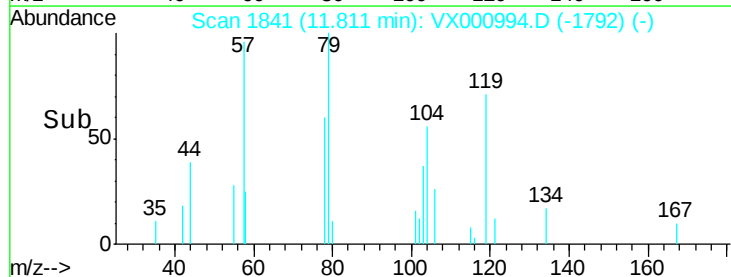
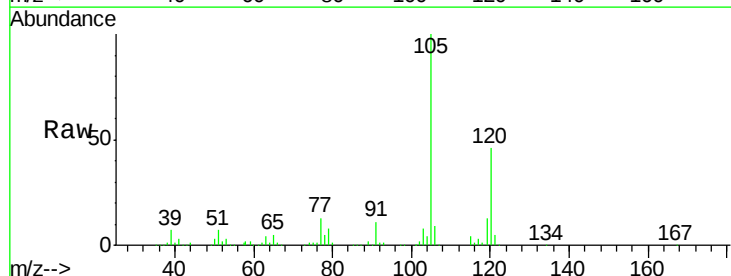
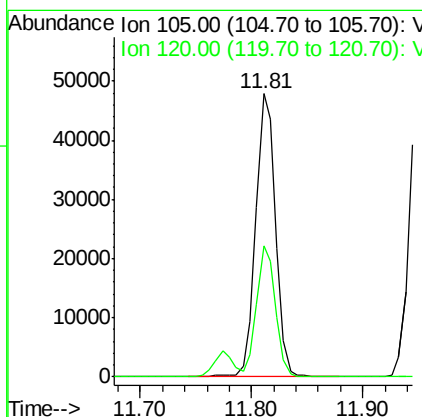
RT: 11.81 min Scan# 1841

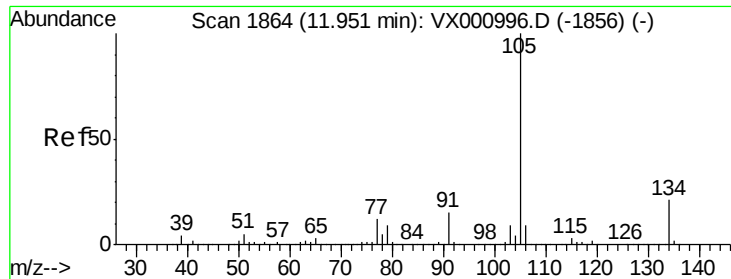
Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	105	Resp:	59280
Ion Ratio	Lower	Upper	
105	100		
120	44.0	23.0	69.0





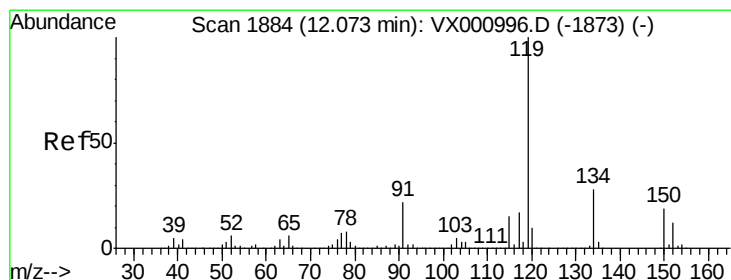
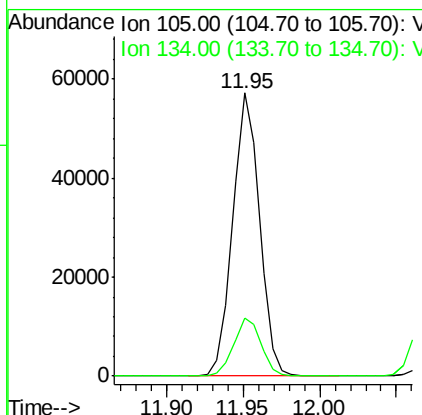
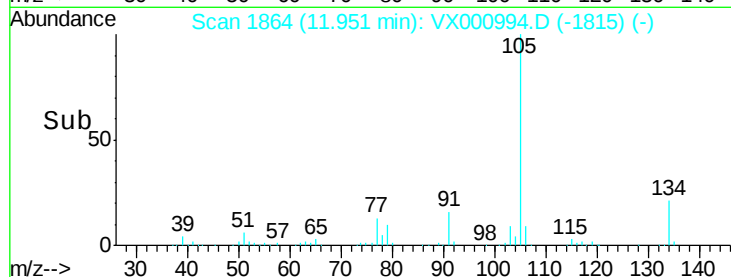
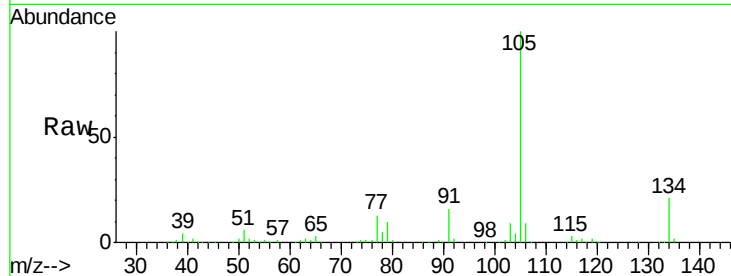
#85
 sec-Butylbenzene
 Concen: 5.81 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.6

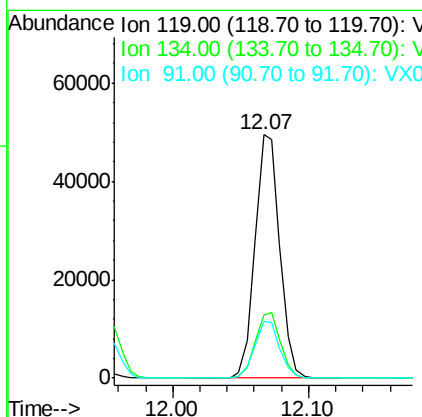
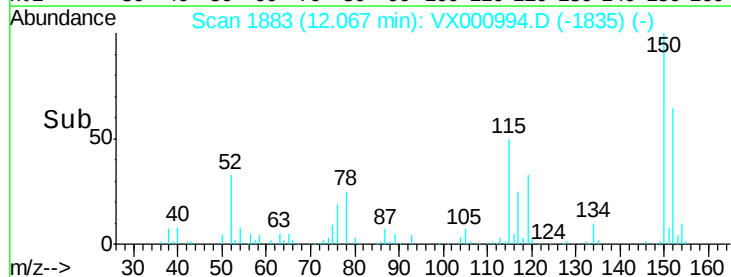
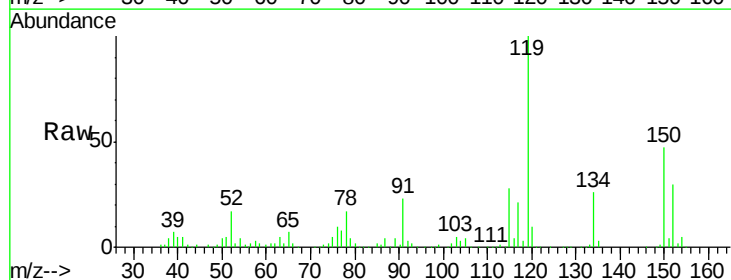
Manual Integrations
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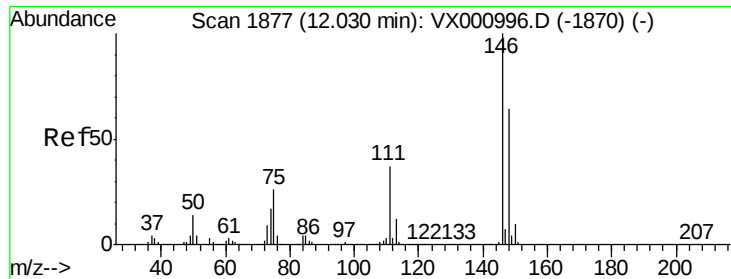
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#86
 p-Isopropyltoluene
 Concen: 5.75 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.5	40.5
91	24.2	11.4	34.1





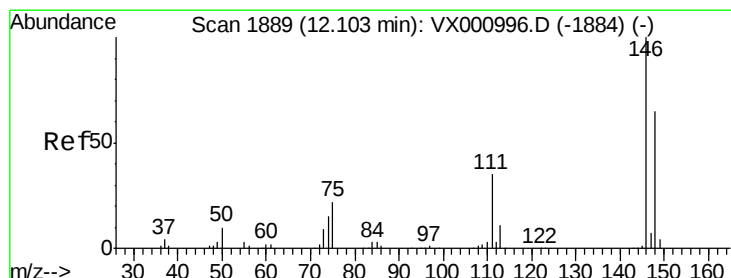
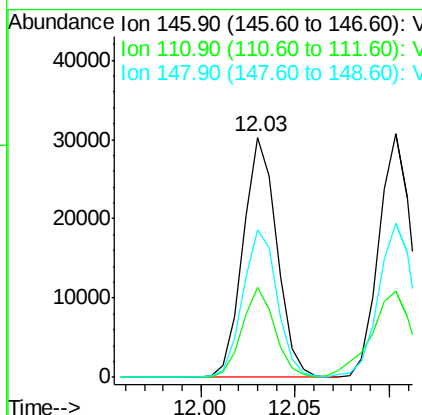
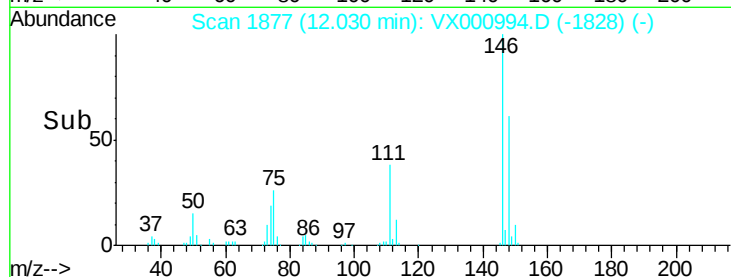
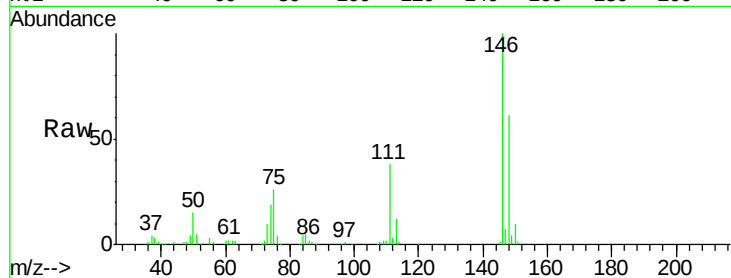
#87
 1,3-Dichlorobenzene
 Concen: 6.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.8
148	61.9	32.2	96.6

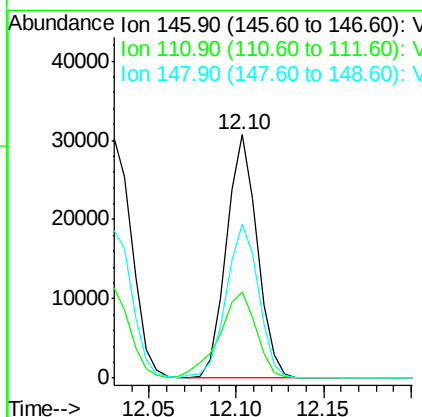
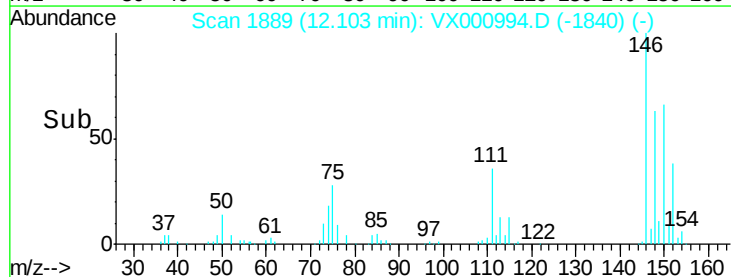
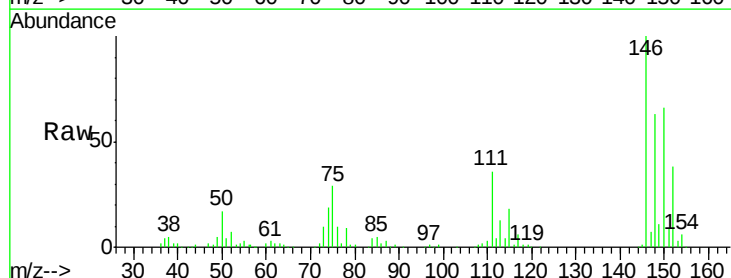
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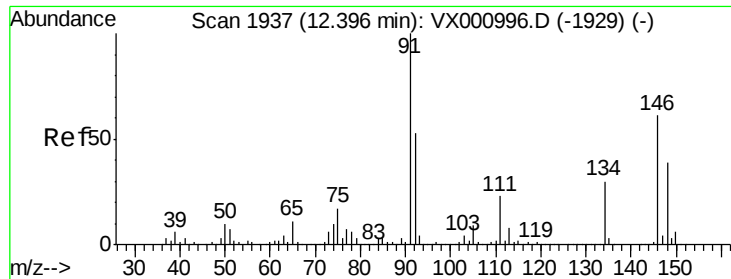
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#88
 1,4-Dichlorobenzene
 Concen: 5.92 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.0	54.0
148	66.5	32.4	97.0





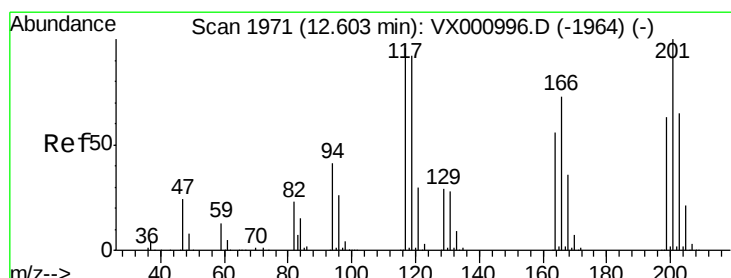
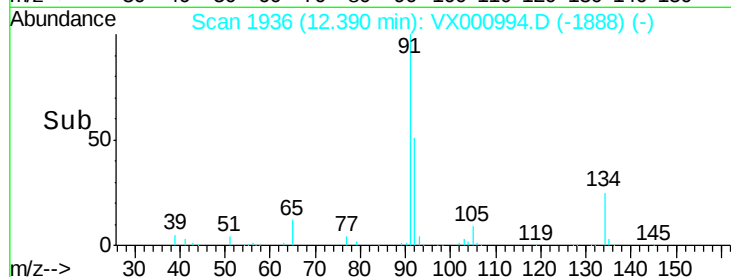
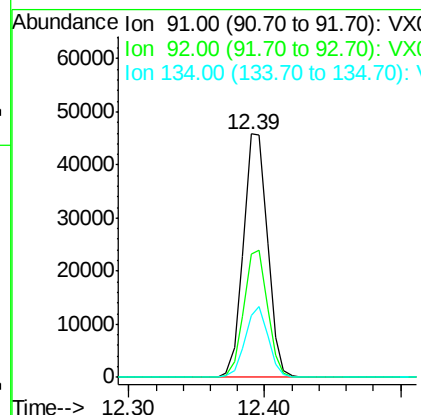
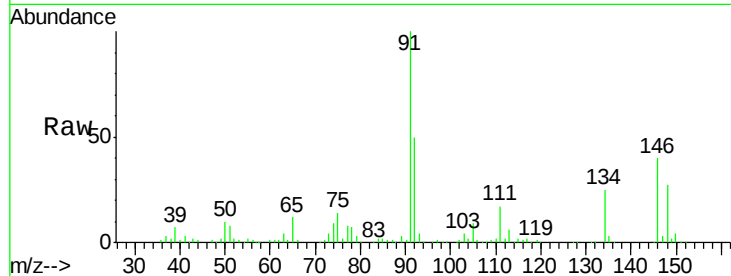
#89
n-Butylbenzene
Concen: 5.73 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.3	78.9
134	27.5	14.4	43.0

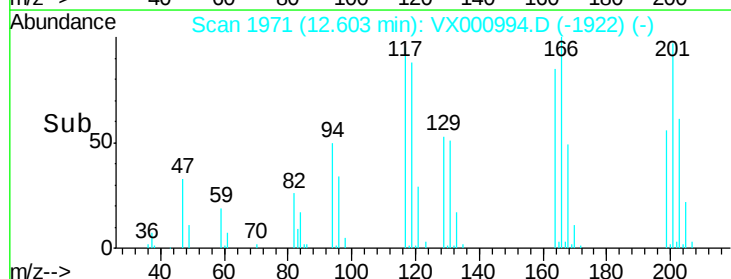
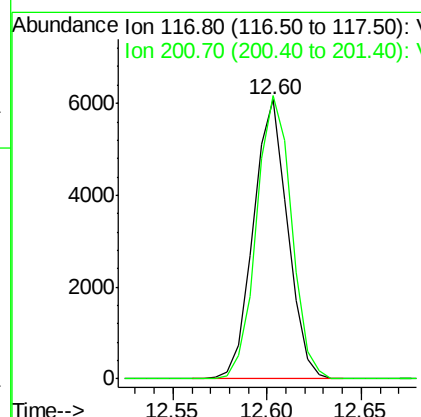
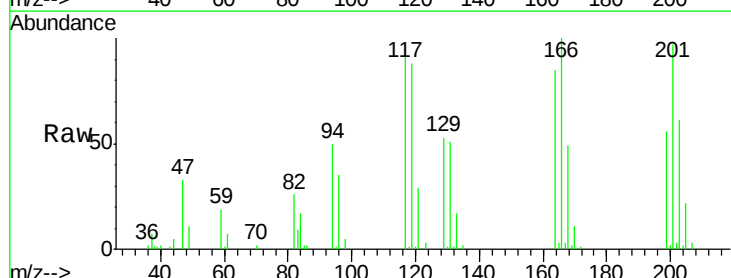
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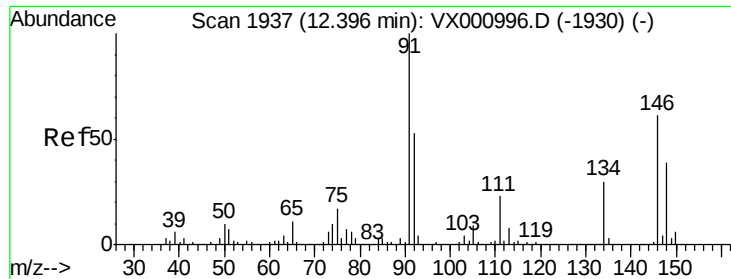
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#90
Hexachloroethane
Concen: 4.82 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.1	52.3	157.1





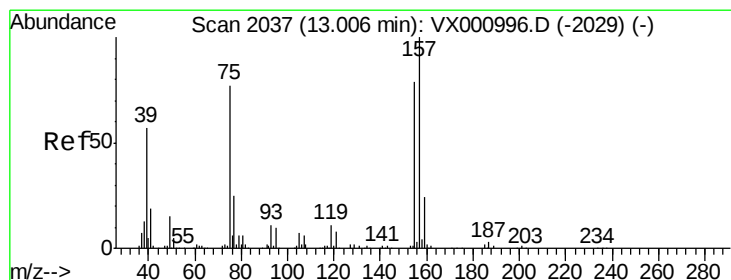
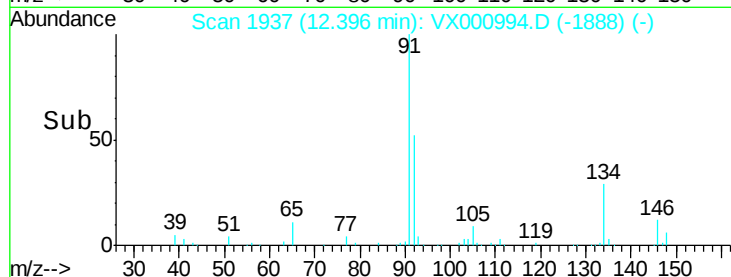
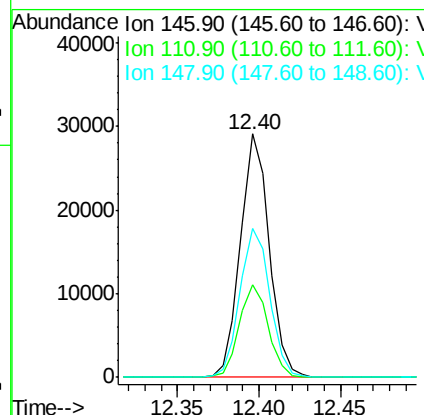
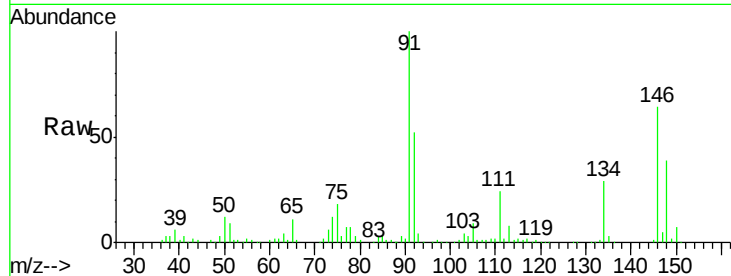
#91
1,2-Dichlorobenzene
Concen: 5.94 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	56.0
148	63.6	32.3	96.8

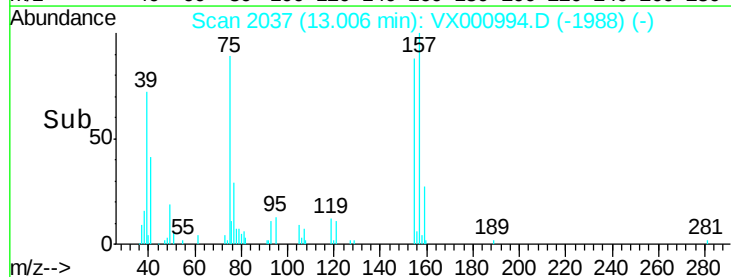
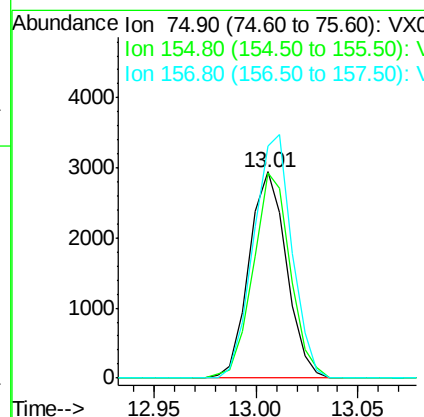
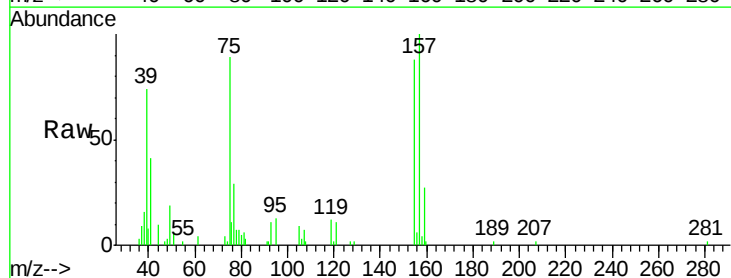
Manual Integrations
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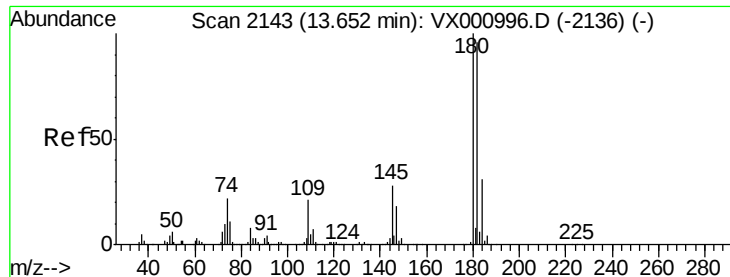
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#92
1,2-Dibromo-3-Chloropropane
Concen: 5.58 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX000994.D
Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	51.0	153.0
157	121.0	64.9	194.7





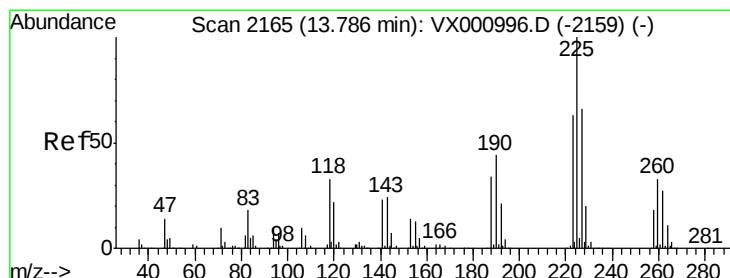
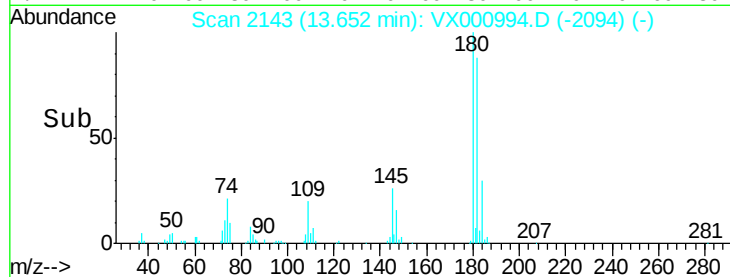
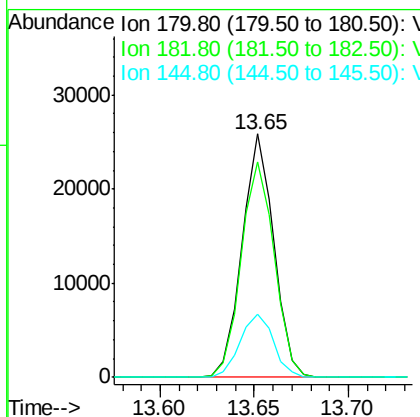
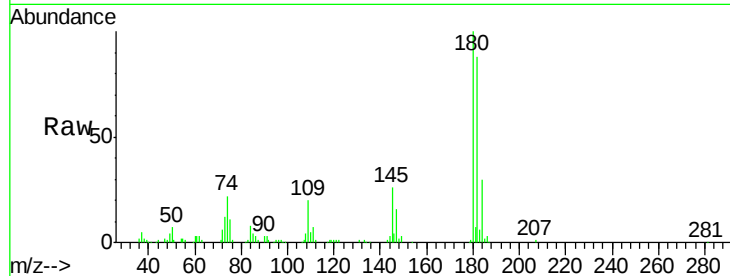
#93
 1,2,4-Trichlorobenzene
 Concen: 5.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	30014		
182	92.7	48.0	144.0	
145	27.6	13.9	41.7	

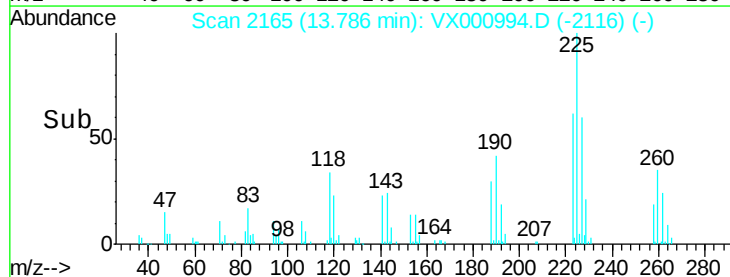
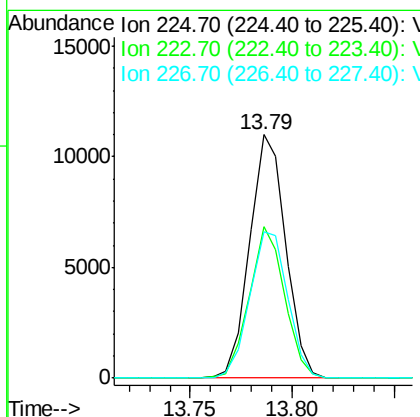
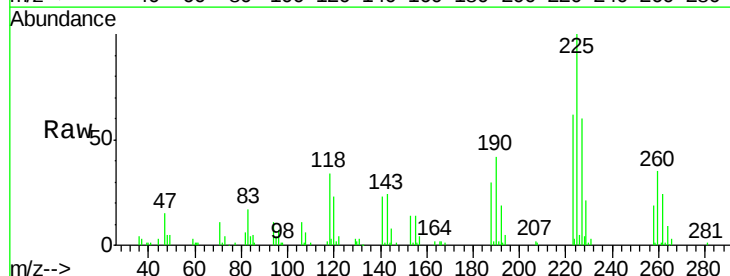
Manual Integrations
 APPROVED

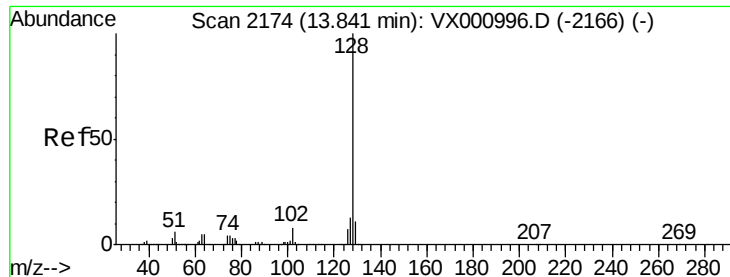
MMDadoda
 4/20/2018 2:09:29 PM



#94
 Hexachlorobutadiene
 Concen: 5.69 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000994.D
 Acq: 19 Apr 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13511		
223	60.7	31.5	94.5	
227	63.4	32.6	97.8	





#95

Naphthalene

Concen: 5.75 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Instrument :

MSVOA_X

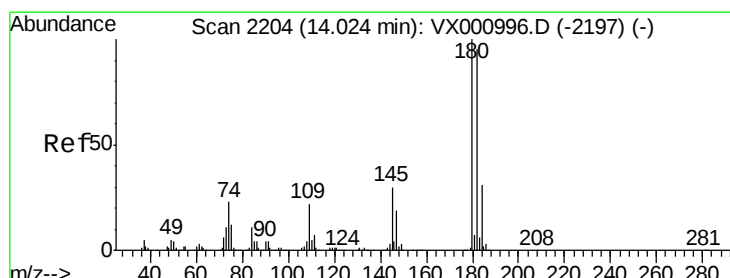
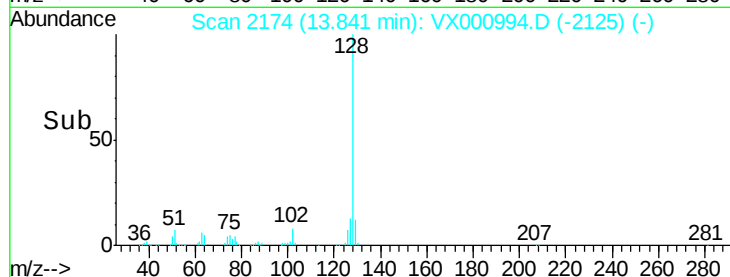
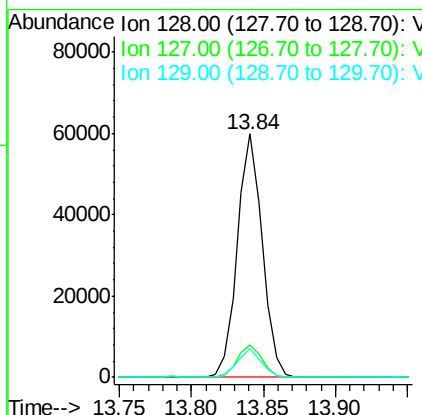
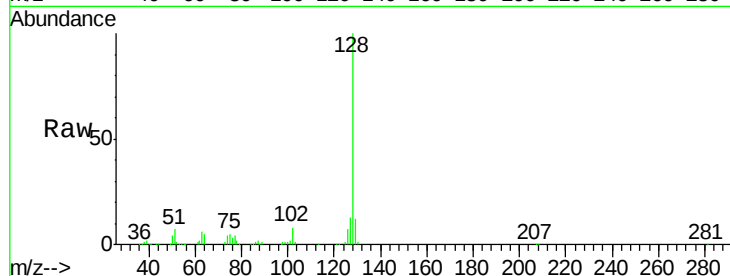
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	72099
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.81 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000994.D

Acq: 19 Apr 2018 17:38

Tgt Ion:	180	Resp:	28961
Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.7
145	28.9	14.5	43.6

