

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000995.D
 Acq On : 19 Apr 2018 18:03
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:30 PM

Quant Time: Apr 20 04:50:12 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	245893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	59078	19.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.00%	
35) Dibromofluoromethane	5.51	113	48391	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
50) Toluene-d8	8.72	98	175811	21.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.08%	
62) 4-Bromofluorobenzene	11.14	95	72822	21.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68618	29.26	ug/l	97
3) Chloromethane	1.32	50	58558	24.27	ug/l	100
4) Vinyl Chloride	1.41	62	61091	25.99	ug/l	99
5) Bromomethane	1.65	94	40140	25.96	ug/l	96
6) Chloroethane	1.73	64	35533	21.51	ug/l	98
7) Trichlorofluoromethane	1.93	101	90792	25.53	ug/l	100
8) Diethyl Ether	2.19	74	32643	23.98	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51765	24.33	ug/l	99
10) Methyl Iodide	2.52	142	32868	17.13	ug/l	99
11) Tert butyl alcohol	3.07	59	47852	118.35	ug/l	97
12) 1,1-Dichloroethene	2.38	96	48565	23.93	ug/l	99
13) Acrolein	2.29	56	12847	156.15	ug/l	98
14) Allyl chloride	2.73	41	87483	23.14	ug/l	100
15) Acrylonitrile	3.15	53	126806	118.64	ug/l	99
16) Acetone	2.45	43	119311	118.00	ug/l	100
17) Carbon Disulfide	2.57	76	130389	20.65	ug/l	100
18) Methyl Acetate	2.78	43	76982	29.39	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	163618	24.75	ug/l	99
20) Methylene Chloride	2.86	84	52834	22.26	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	52749	22.99	ug/l	98
22) Diisopropyl ether	3.88	45	170007	23.52	ug/l	98
23) Vinyl Acetate	3.83	43	697921	118.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	93242	23.92	ug/l	99
25) 2-Butanone	4.71	43	187248	120.32	ug/l	98
26) 2,2-Dichloropropane	4.59	77	80462	23.53	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59505	23.97	ug/l	99
28) Bromochloromethane	5.03	49	35464	21.70	ug/l	99
29) Tetrahydrofuran	5.17	42	116403	117.36	ug/l	100
30) Chloroform	5.22	83	96848	24.12	ug/l	100
31) Cyclohexane	5.59	56	86924	24.64	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	88181	24.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	75833	23.97	ug/l	99
37) Ethyl Acetate	4.87	43	72108	24.46	ug/l	99
38) Carbon Tetrachloride	5.79	117	75508	22.92	ug/l	99

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 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	88502	23.40	ug/l	97
40) Benzene	6.15	78	216252	24.50	ug/l	97
41) Methacrylonitrile	5.07	41	42937	23.25	ug/l	99
42) 1,2-Dichloroethane	6.21	62	83405	24.33	ug/l	99
43) Isopropyl Acetate	6.47	43	120918	24.25	ug/l	99
44) Trichloroethene	7.22	130	64836	23.31	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55123	24.03	ug/l	97
46) Dibromomethane	7.67	93	37668	23.81	ug/l	99
47) Bromodichloromethane	7.90	83	69929	23.87	ug/l	97
48) Methyl methacrylate	7.78	41	64558	23.07	ug/l	99
49) 1,4-Dioxane	7.76	88	19241	504.73	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	377205	124.79	ug/l	100
52) Toluene	8.79	92	140919	24.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	83788	23.83	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	78316	23.35	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	55095	24.45	ug/l	97
56) Ethyl methacrylate	9.19	69	81945	24.00	ug/l	98
57) 1,3-Dichloropropane	9.38	76	92108	24.73	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	201702	129.58	ug/l	100
59) 2-Hexanone	9.51	43	288835	124.60	ug/l	99
60) Dibromochloromethane	9.59	129	57339	23.07	ug/l	100
61) 1,2-Dibromoethane	9.68	107	59216	24.31	ug/l	100
64) Tetrachloroethene	9.34	164	66187	23.75	ug/l	97
65) Chlorobenzene	10.15	112	165417	23.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	58023	24.18	ug/l	99
67) Ethyl Benzene	10.26	91	275400	24.35	ug/l	100
68) m/p-Xylenes	10.37	106	217543	48.53	ug/l	100
69) o-Xylene	10.71	106	104336	23.91	ug/l	99
70) Styrene	10.72	104	173110	23.98	ug/l	100
71) Bromoform	10.87	173	44639	21.65	ug/l #	99
73) Isopropylbenzene	11.02	105	283658	23.80	ug/l	99
74) N-amyl acetate	6.47	43	120918	24.30	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81482	24.23	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	76957m	20.78	ug/l	
77) Bromobenzene	11.26	156	81393	23.34	ug/l	99
78) n-propylbenzene	11.37	91	325148	23.59	ug/l	100
79) 2-Chlorotoluene	11.43	91	192600	23.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	243080	24.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	19961	21.20	ug/l	94
82) 4-Chlorotoluene	11.52	91	229870	23.41	ug/l	100
83) tert-Butylbenzene	11.77	119	243389	23.39	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	249607	24.20	ug/l	99
85) sec-Butylbenzene	11.95	105	291872	23.36	ug/l	99
86) p-Isopropyltoluene	12.07	119	268730	23.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150114	22.94	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	154801	23.25	ug/l	99
89) n-Butylbenzene	12.40	91	239311	23.03	ug/l	99
90) Hexachloroethane	12.60	117	36562	21.96	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	146321	23.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16943	24.11	ug/l	96

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VSTDICC020

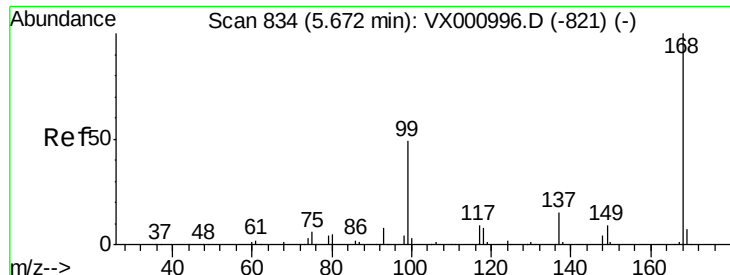
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Apr 20 04:18:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	122076	21.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	54545	21.96	ug/l	99
95) Naphthalene	13.84	128	310797	23.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	118332	22.71	ug/l	100

(#) = 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: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 245893

Ion Ratio Lower Upper

168 100

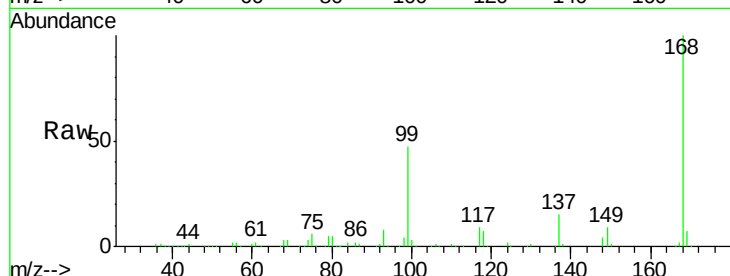
99 47.1 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

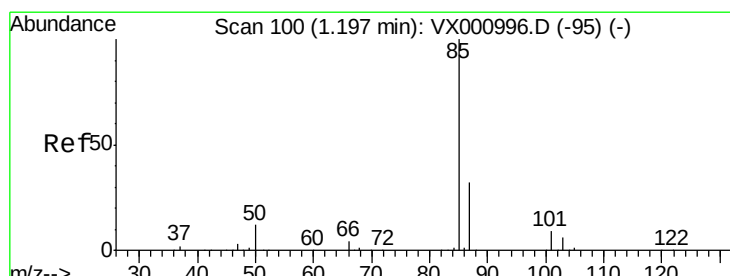
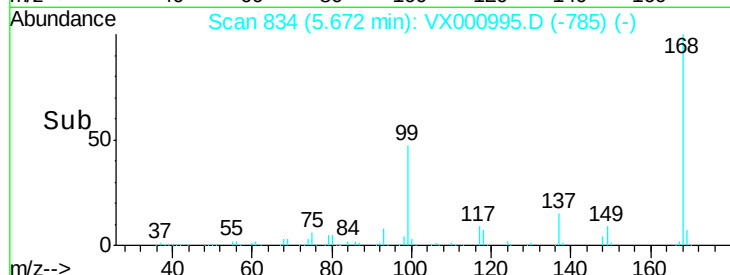
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 29.26 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000995.D

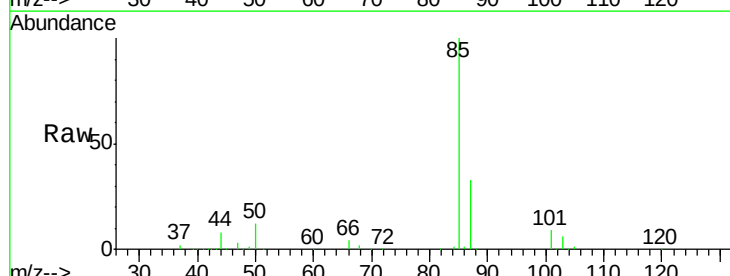
Acq: 19 Apr 2018 18:03

Tgt Ion: 85 Resp: 68618

Ion Ratio Lower Upper

85 100

87 33.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

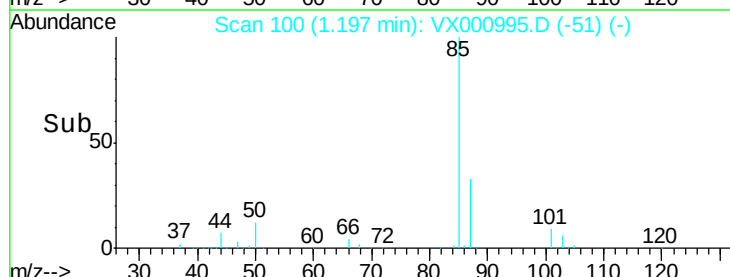
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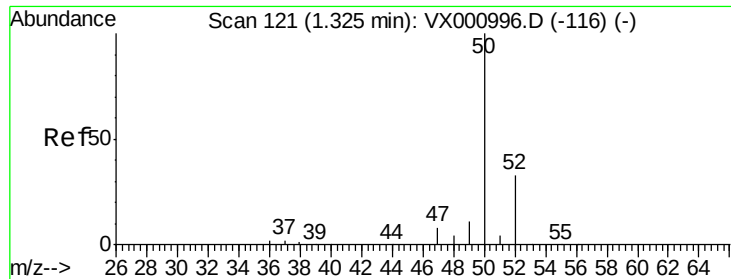
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Time-->





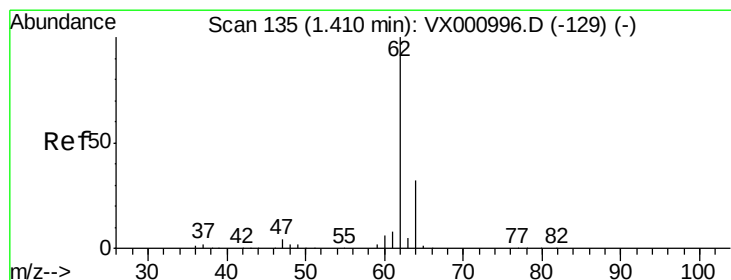
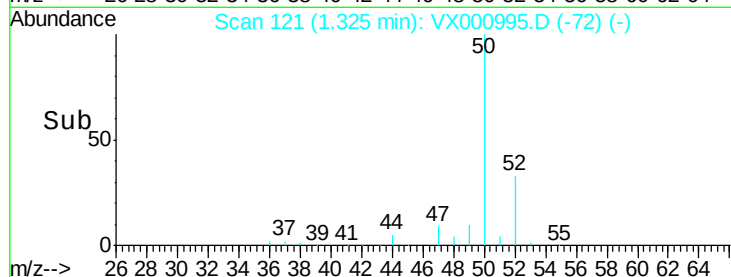
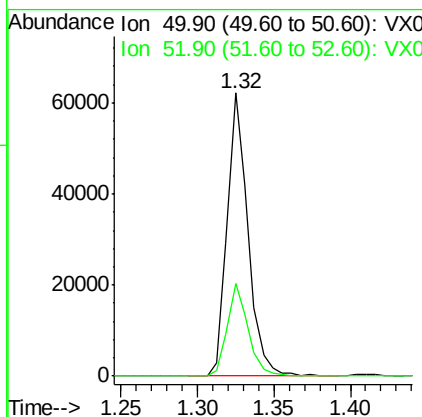
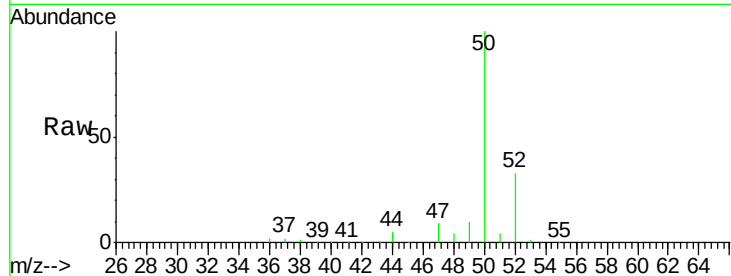
#3
Chloromethane
Concen: 24.27 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.3	39.5

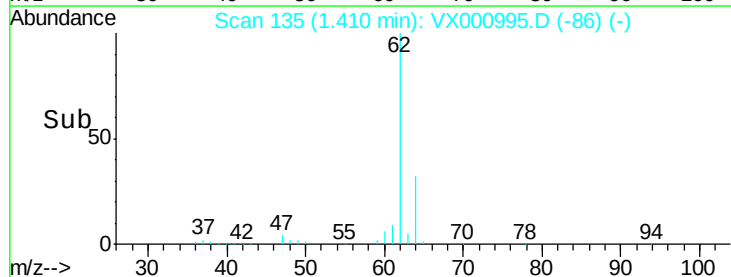
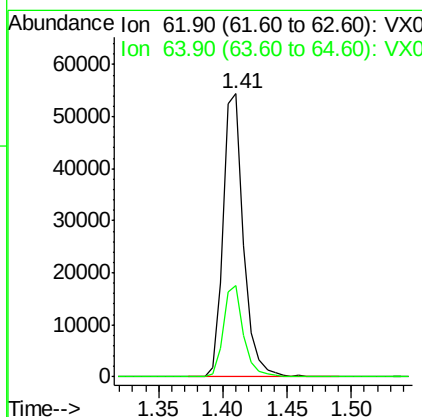
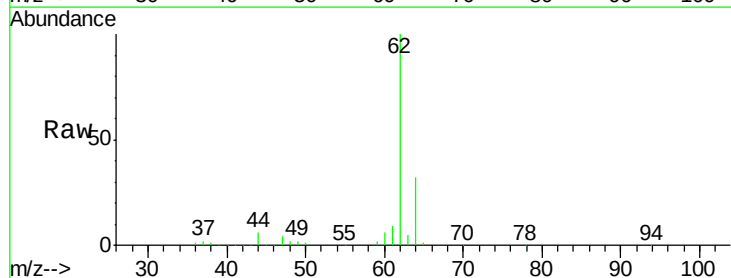
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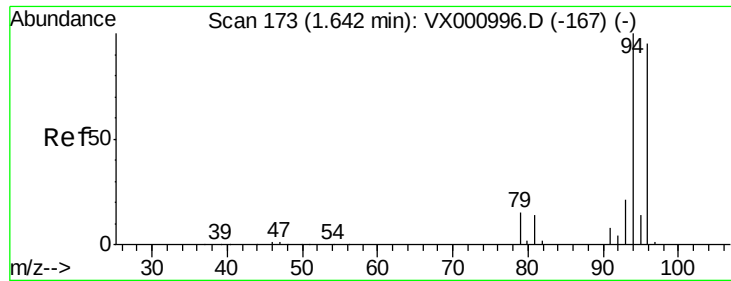
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#4
Vinyl Chloride
Concen: 25.99 ug/l
RT: 1.41 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.6	38.4





#5

Bromomethane

Concen: 25.96 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 40140

Ion Ratio Lower Upper

94 100

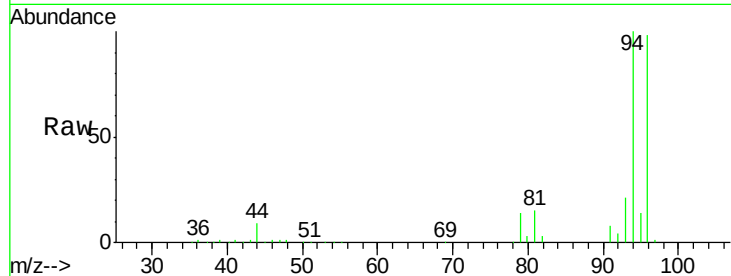
96 98.4 76.0 114.0

Manual Integrations

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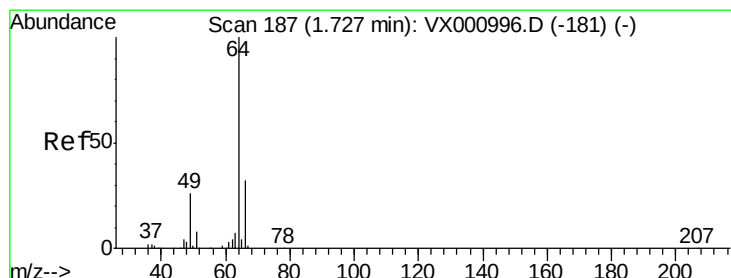
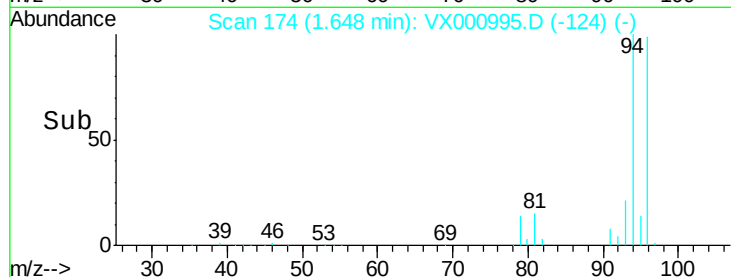
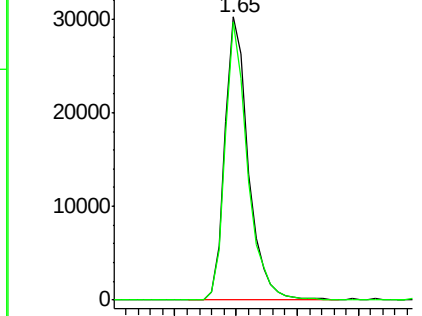
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.51 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000995.D

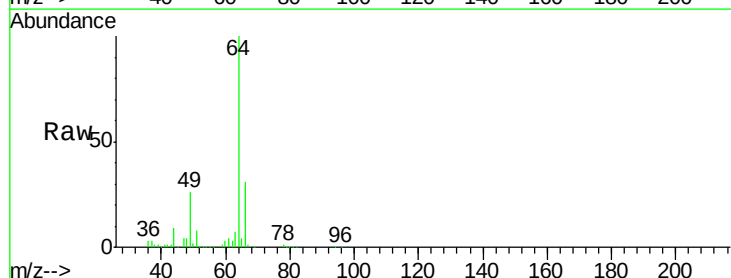
Acq: 19 Apr 2018 18:03

Tgt Ion: 64 Resp: 35533

Ion Ratio Lower Upper

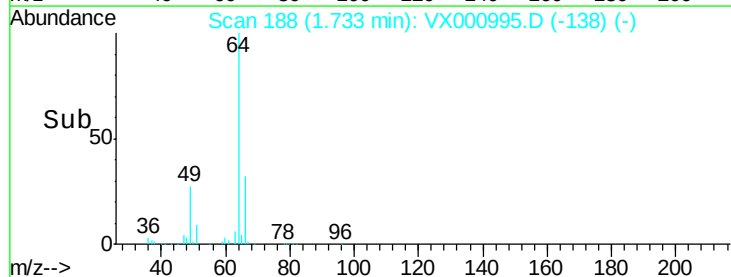
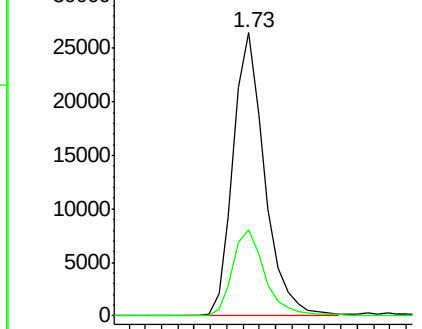
64 100

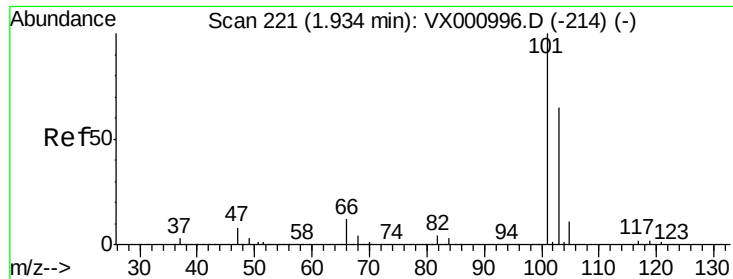
66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

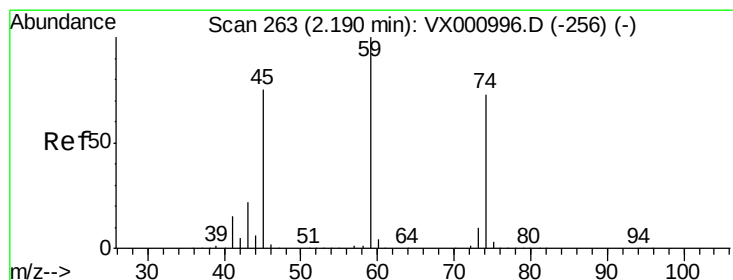
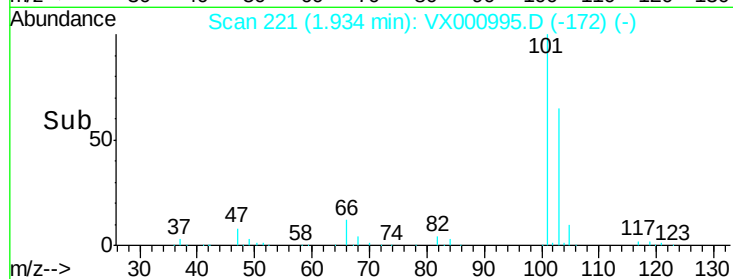
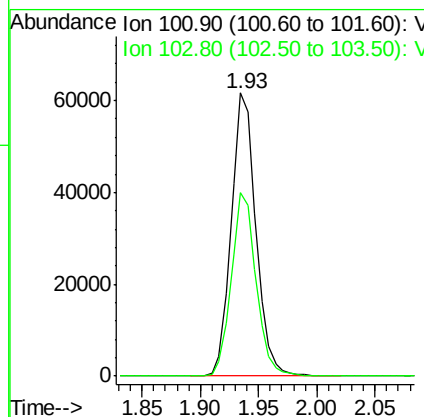
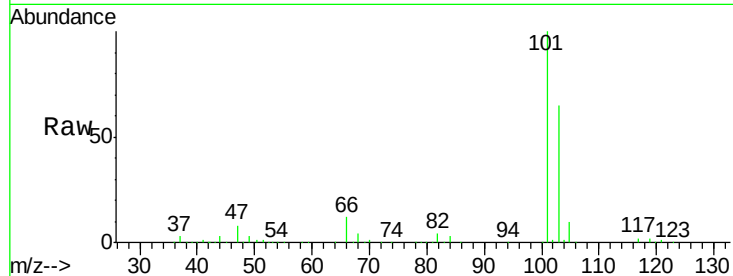
Trichlorofluoromethane
Concen: 25.53 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 90792
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

Manual Integrations
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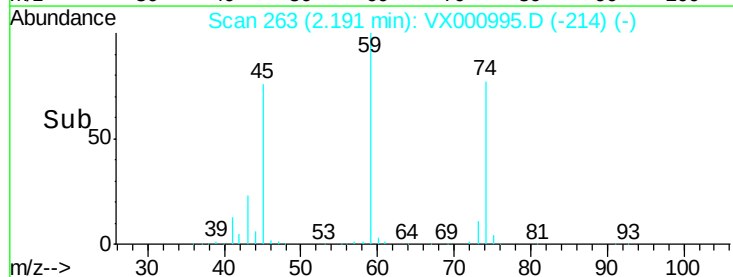
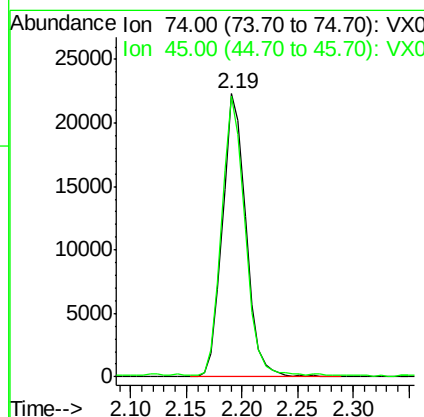
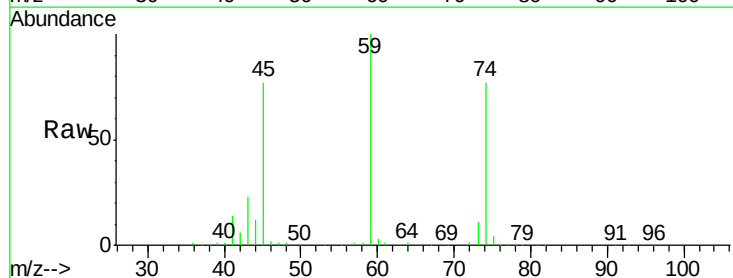
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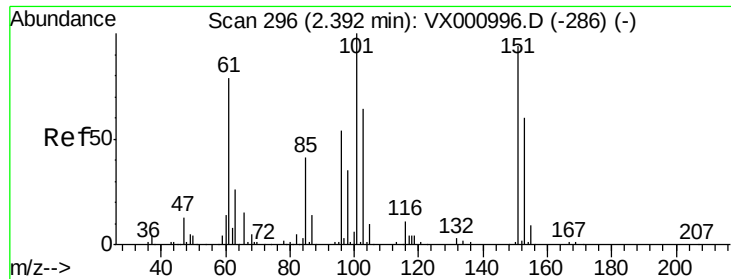


#8

Diethyl Ether
Concen: 23.98 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion: 74 Resp: 32643
Ion Ratio Lower Upper
74 100
45 97.4 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.33 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

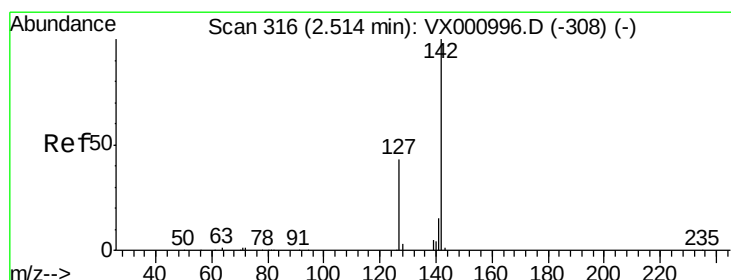
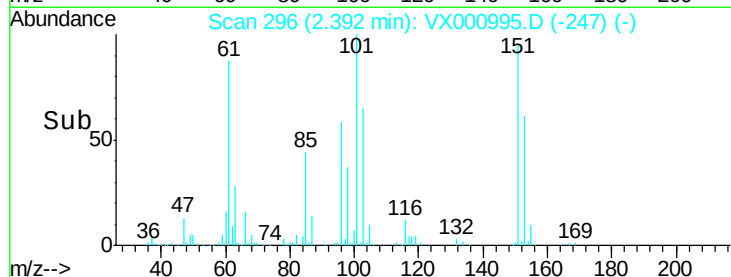
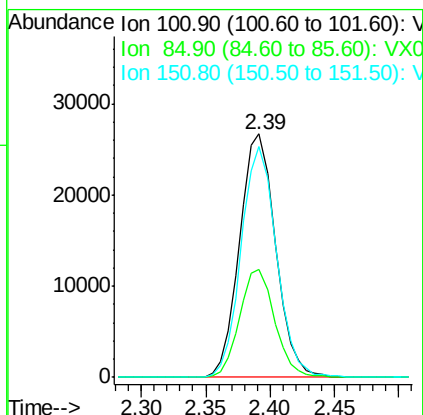
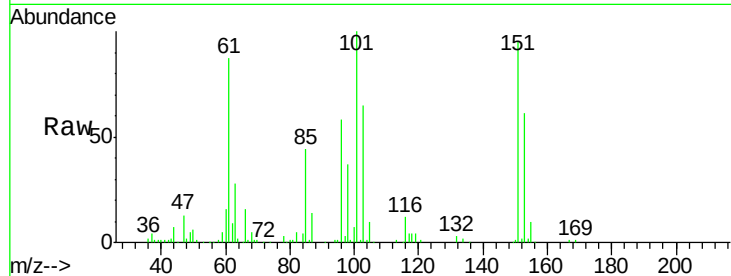
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	51765
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.9	50.9
151	92.8	73.5	110.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.13 ug/l

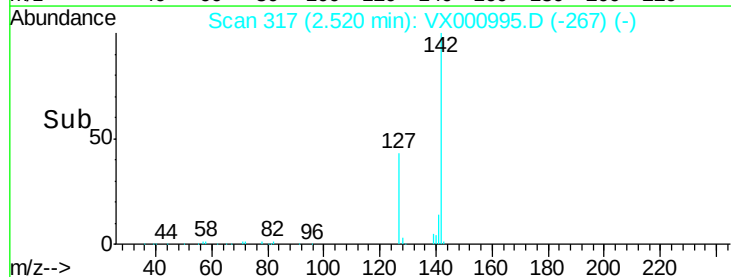
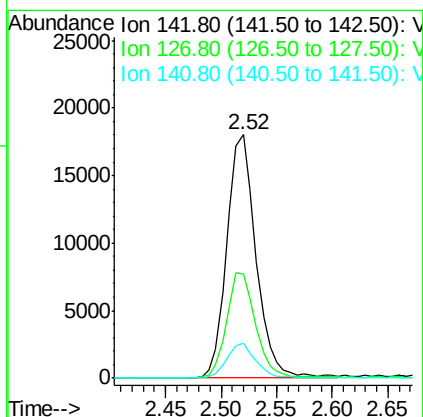
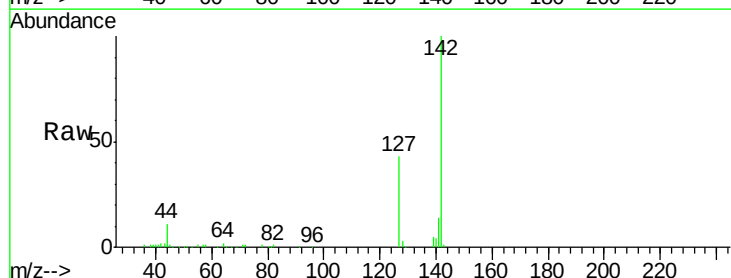
RT: 2.52 min Scan# 317

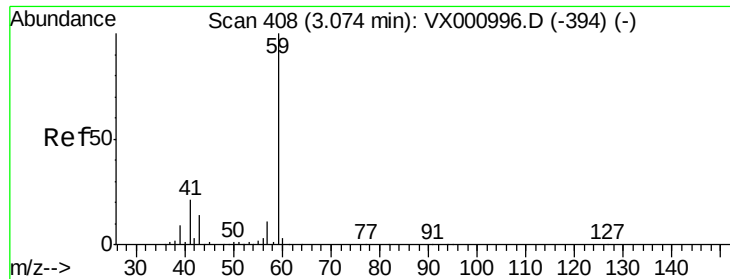
Delta R.T. 0.01 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion:	142	Resp:	32868
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.0	51.0
141	13.9	11.4	17.2





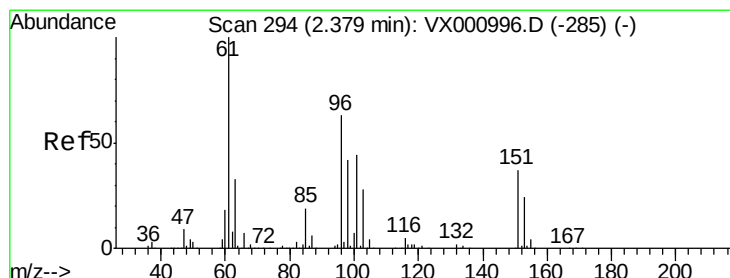
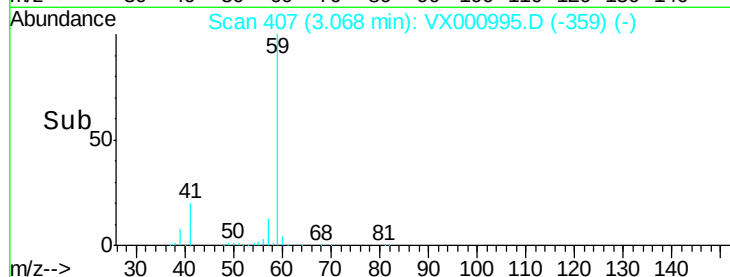
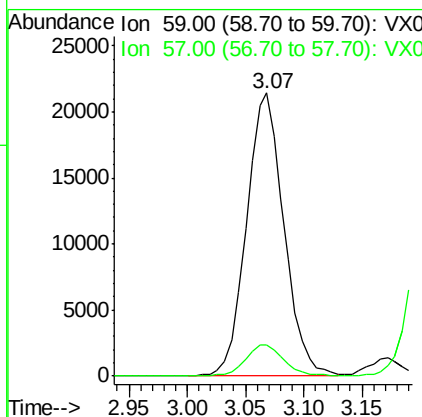
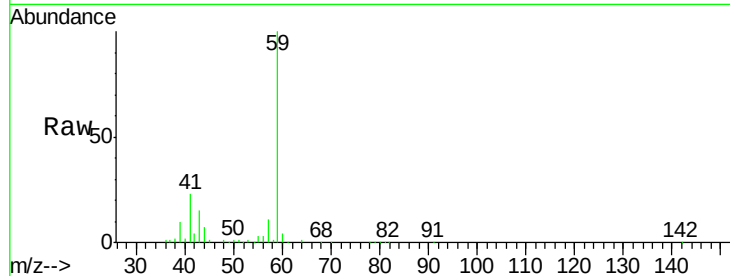
#11
Tert butyl alcohol
Concen: 118.35 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.3	12.5

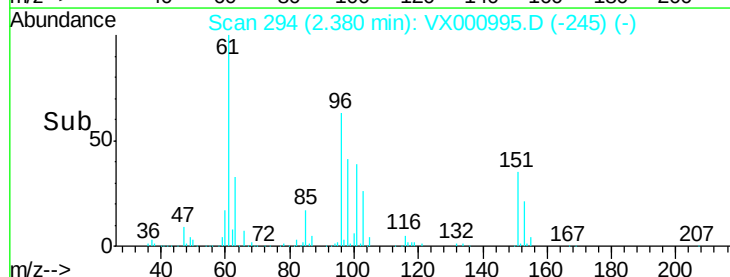
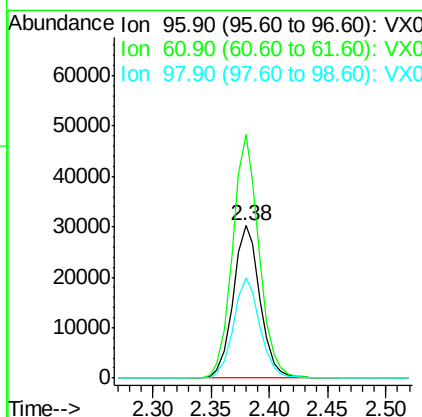
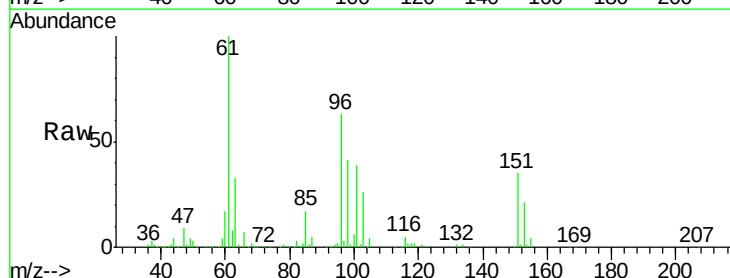
Manual Integrations
APPROVED

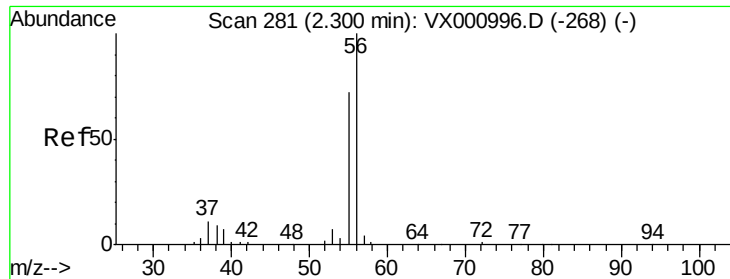
MMDadoda
4/20/2018 2:09:30 PM



#12
1,1-Dichloroethene
Concen: 23.93 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	126.4	189.6
98	65.5	52.6	78.8





#13

Acrolein

Concen: 156.15 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 12847

Ion Ratio Lower Upper

56 100

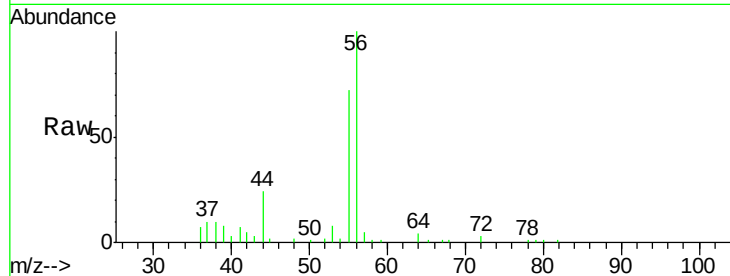
55 70.0 57.4 86.2

Manual Integrations

APPROVED

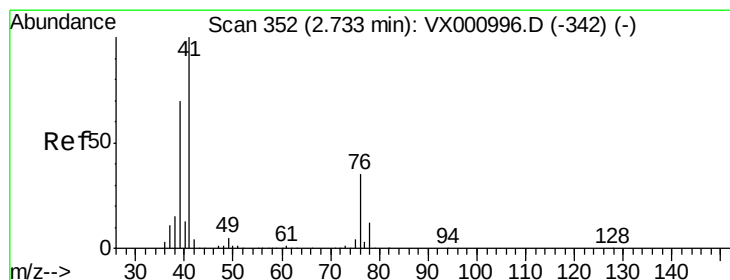
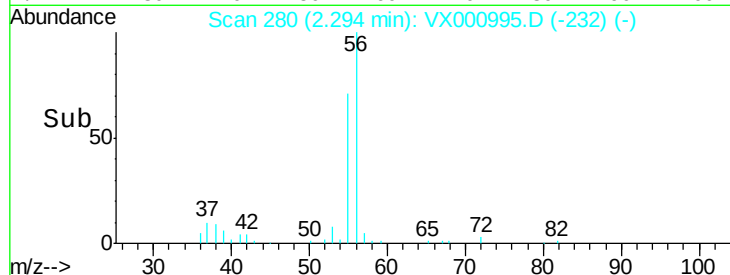
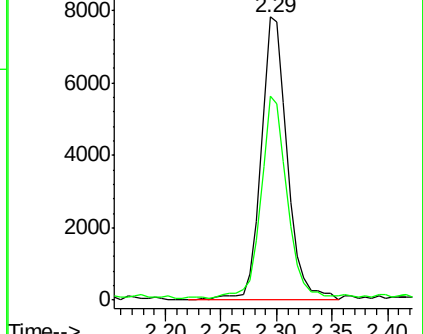
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 23.14 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

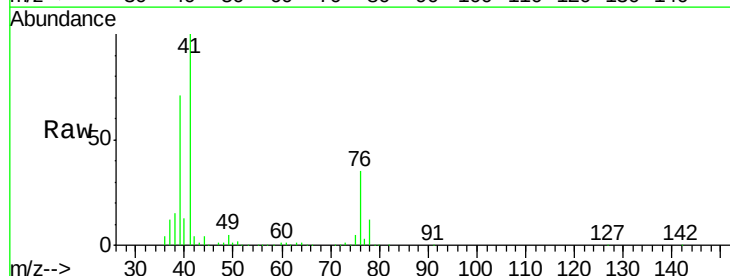
Tgt Ion: 41 Resp: 87483

Ion Ratio Lower Upper

41 100

39 66.4 53.0 79.6

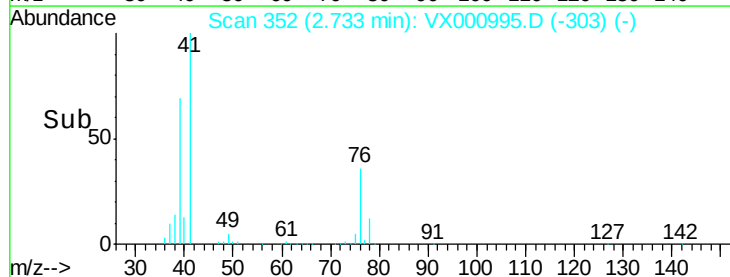
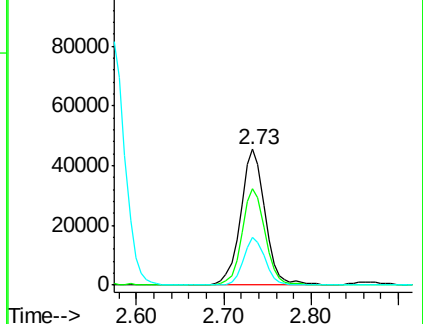
76 31.8 25.9 38.9

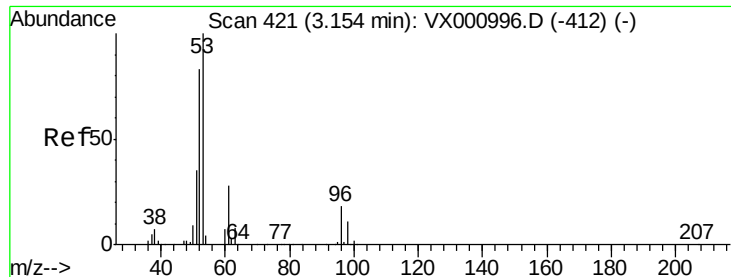


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 118.64 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

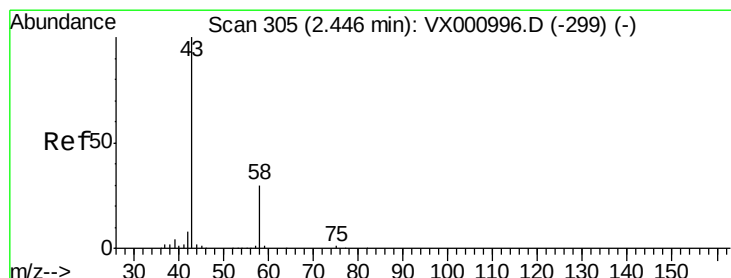
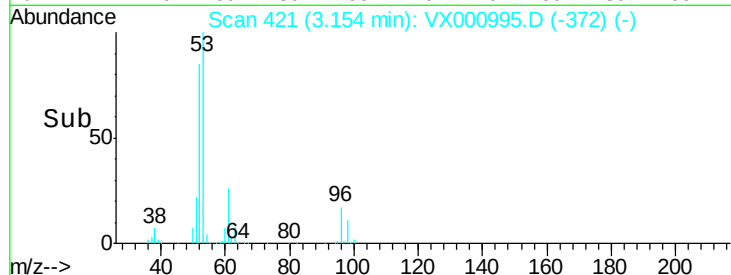
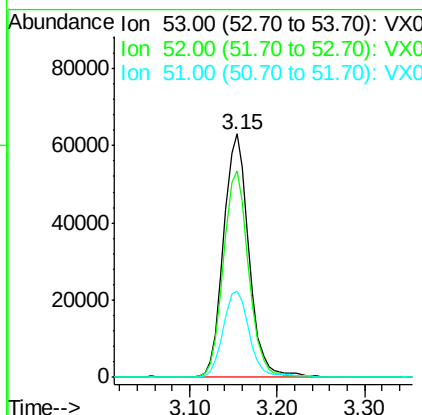
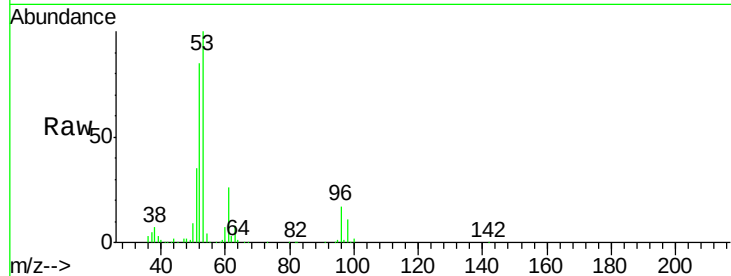
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		126806		
52	84.4	66.4	99.6		
51	36.9	29.0	43.6		

Manual Integrations
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#16

Acetone

Concen: 118.00 ug/l

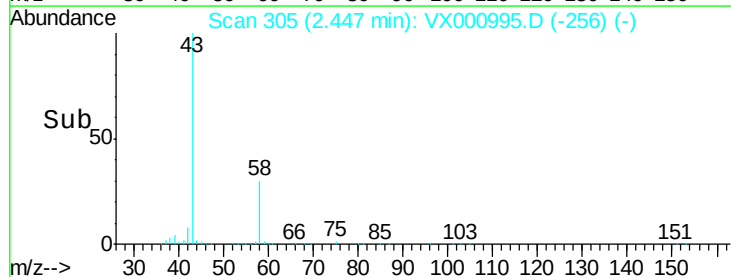
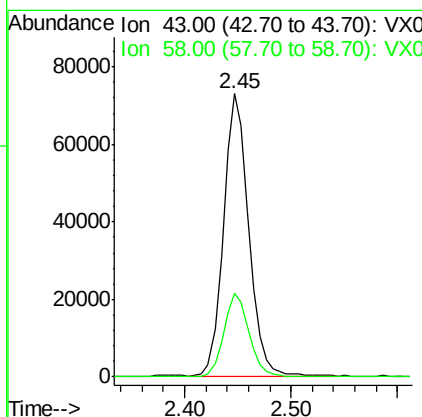
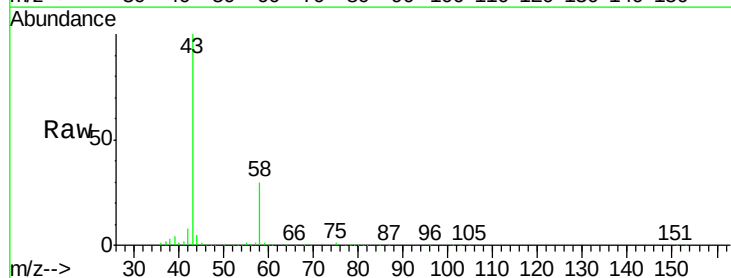
RT: 2.45 min Scan# 305

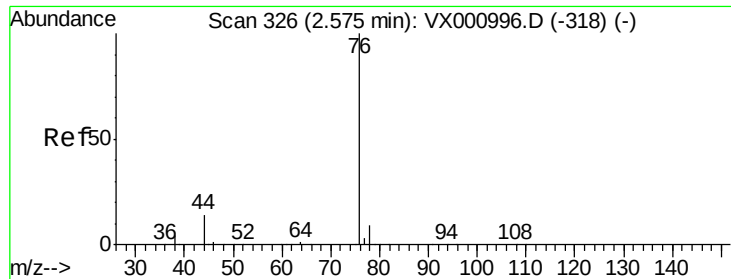
Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		119311		
58	29.7	23.7	35.5		





#17

Carbon Disulfide

Concen: 20.65 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 130389

Ion Ratio Lower Upper

76 100

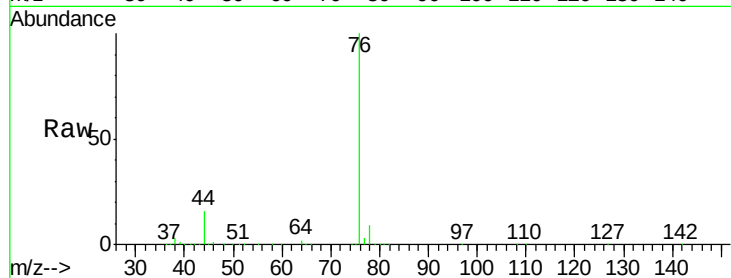
78 9.2 7.3 10.9

Manual Integrations

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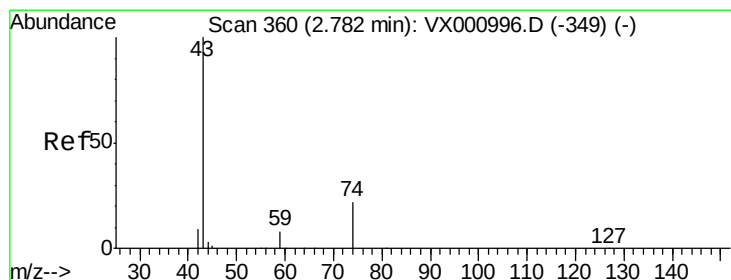
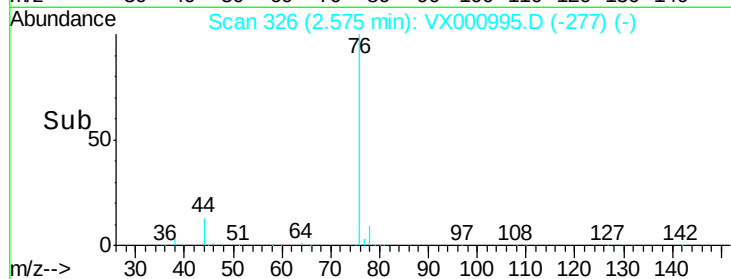
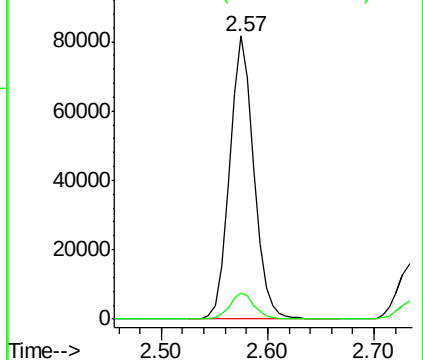
MMDadoda

4/20/2018 2:09:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 29.39 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX000995.D

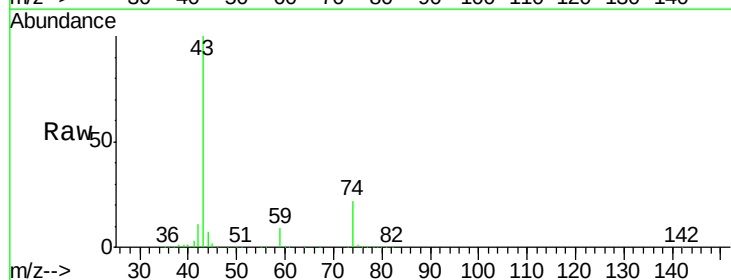
Acq: 19 Apr 2018 18:03

Tgt Ion: 43 Resp: 76982

Ion Ratio Lower Upper

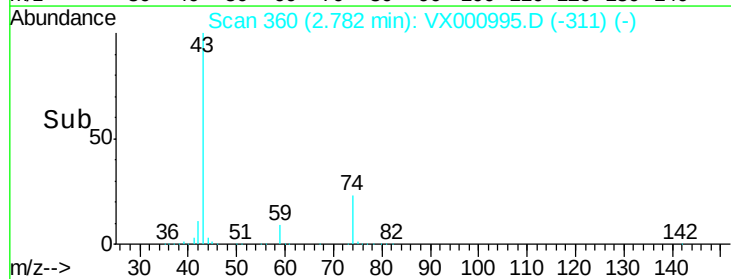
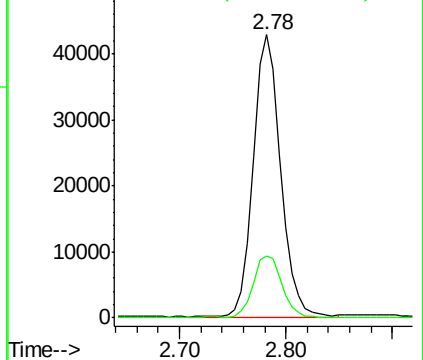
43 100

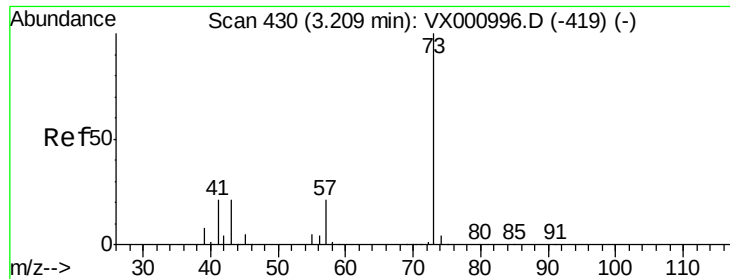
74 23.7 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





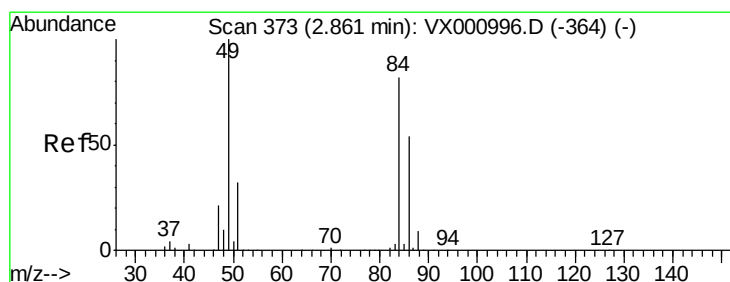
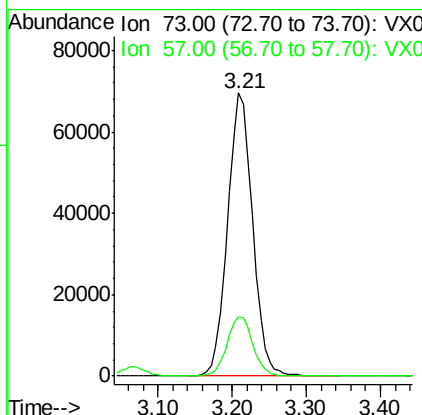
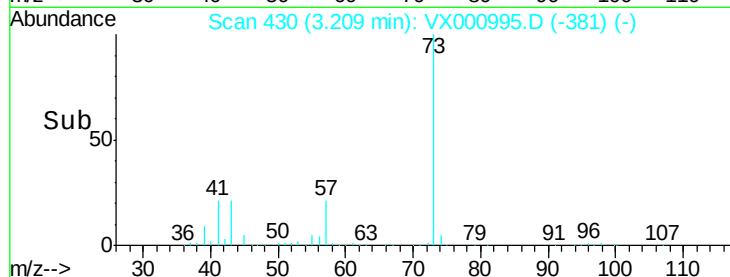
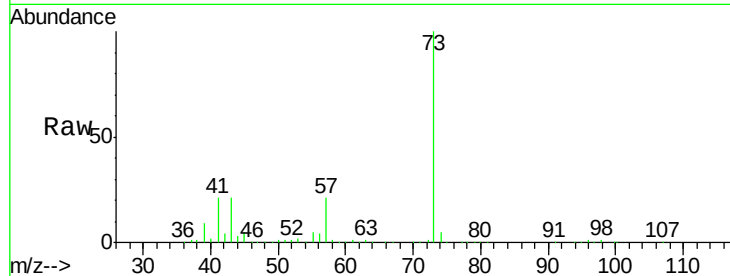
#19
Methyl tert-butyl Ether
Concen: 24.75 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.1	25.7

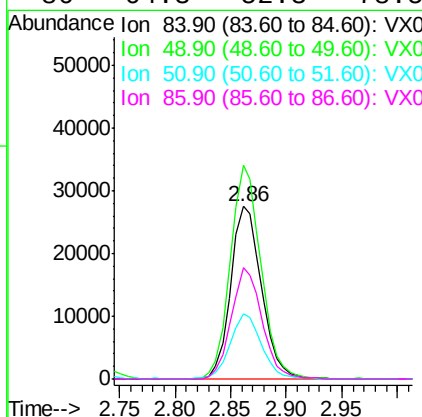
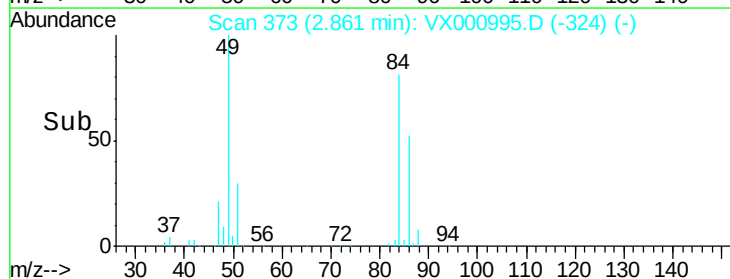
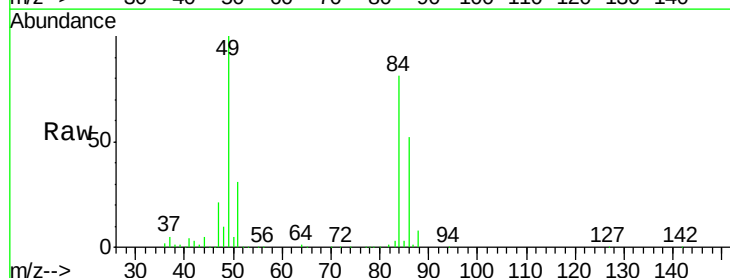
Manual Integrations
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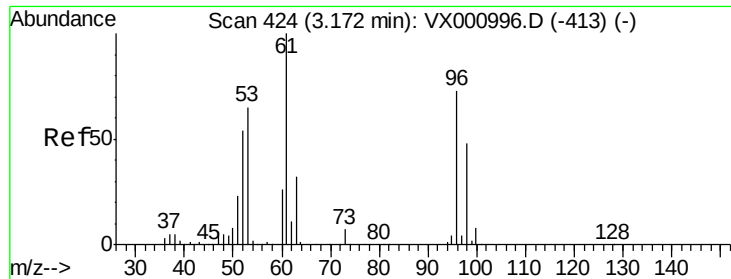
MMDadoda
4/20/2018 2:09:30 PM



#20
Methylene Chloride
Concen: 22.26 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	97.1	145.7
51	38.0	30.8	46.2
86	64.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 22.99 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 52749

Ion Ratio Lower Upper

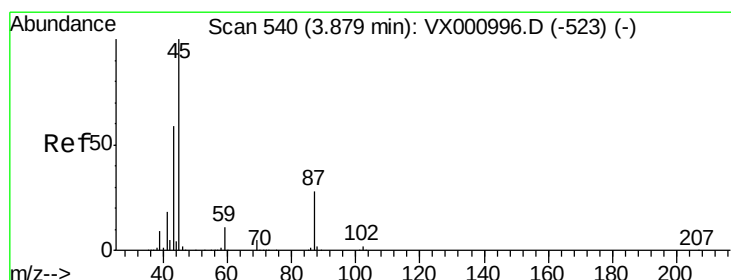
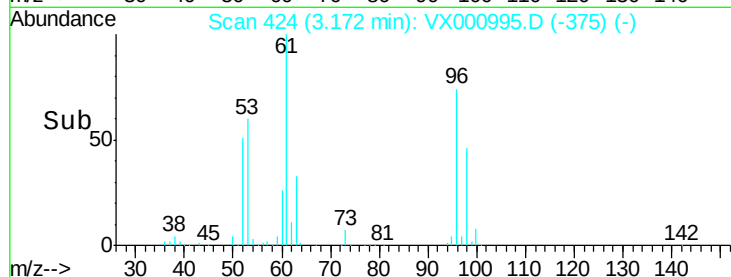
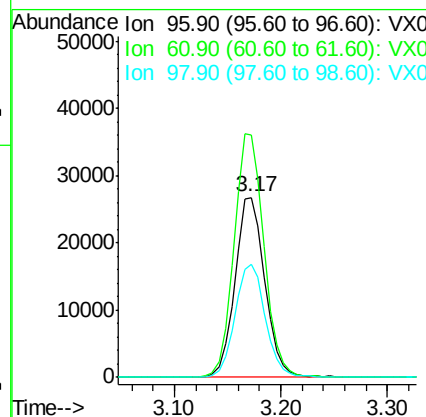
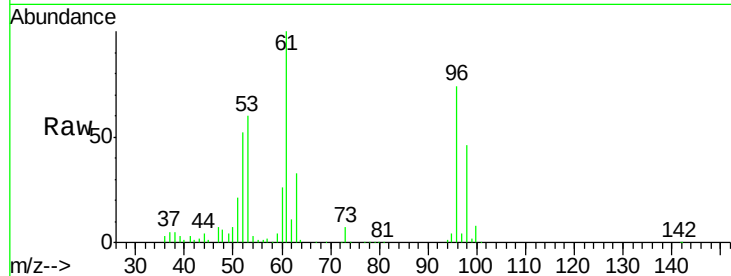
96 100

61 135.0 109.4 164.2

98 62.6 52.6 78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.52 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion: 45 Resp: 170007

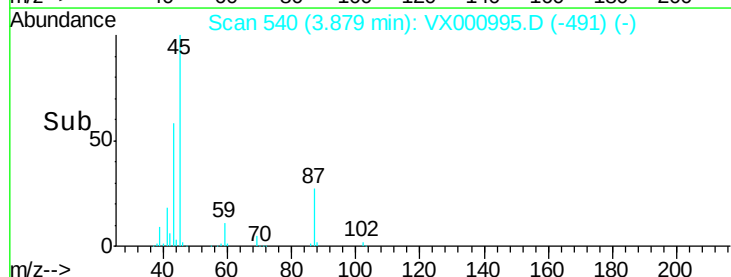
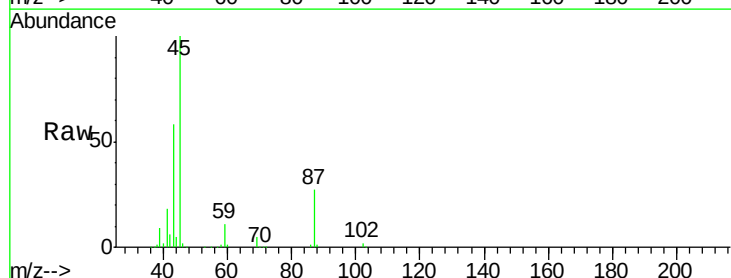
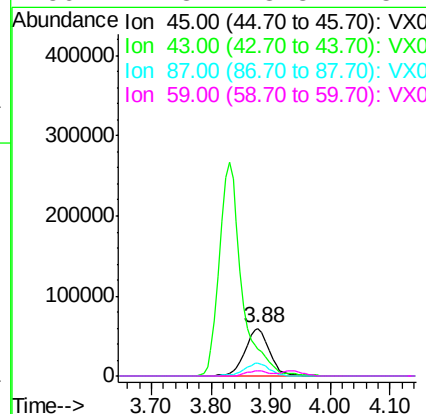
Ion Ratio Lower Upper

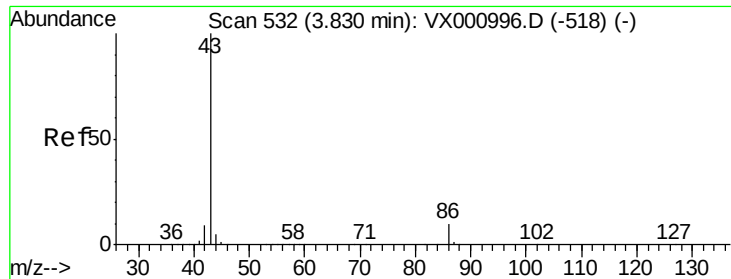
45 100

43 57.7 47.0 70.4

87 26.6 22.5 33.7

59 11.3 8.8 13.2





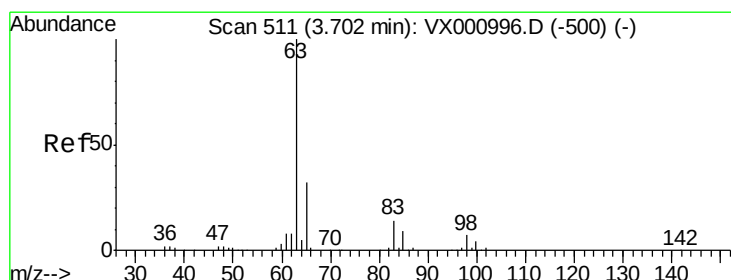
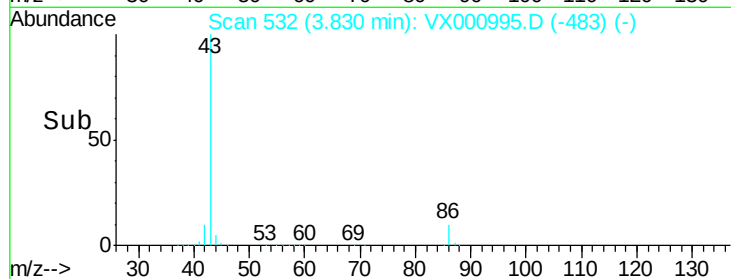
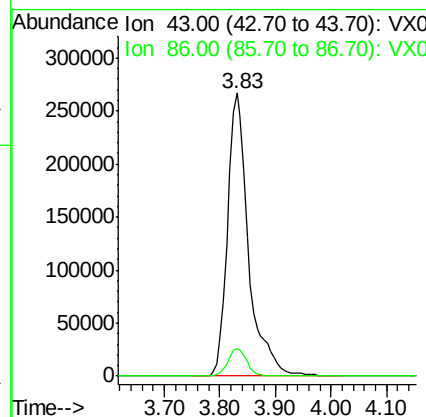
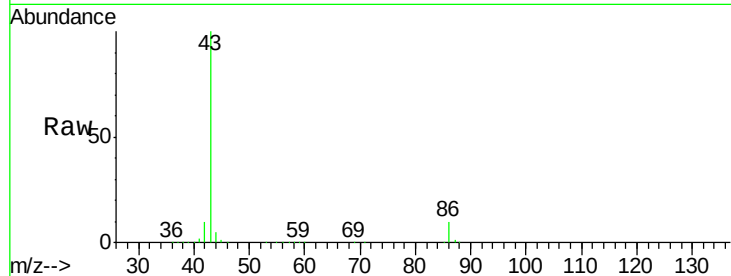
#23
 Vinyl Acetate
 Concen: 118.30 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	697921
Ion Ratio	100	Lower	Upper
43	100		
86	9.6	8.1	12.1

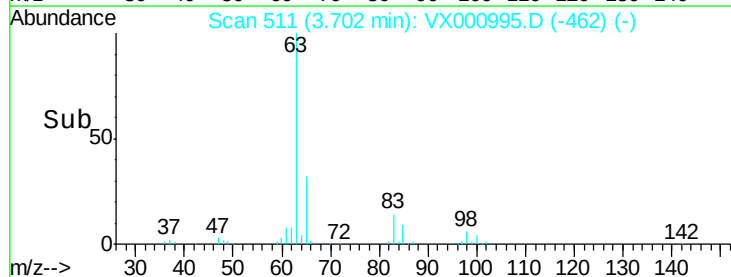
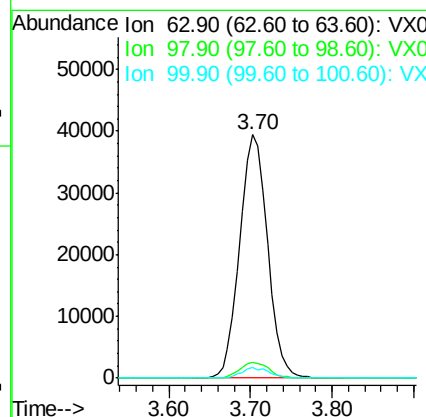
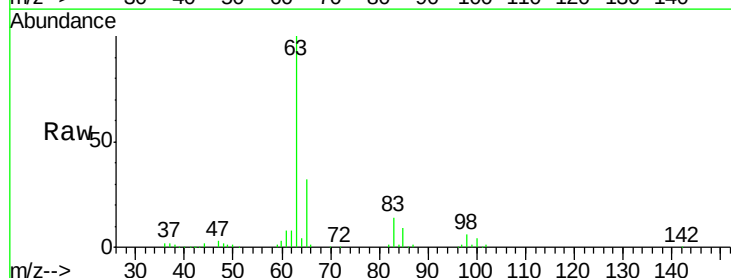
Manual Integrations
 APPROVED

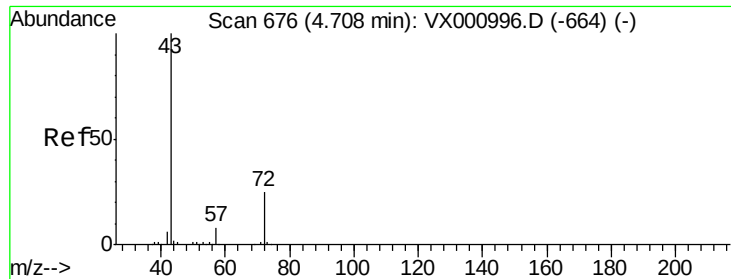
MMDadoda
 4/20/2018 2:09:30 PM



#24
 1,1-Dichloroethane
 Concen: 23.92 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	63	Resp	93242
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.5	2.1	6.3





#25

2-Butanone

Concen: 120.32 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 187248

Ion Ratio Lower Upper

43 100

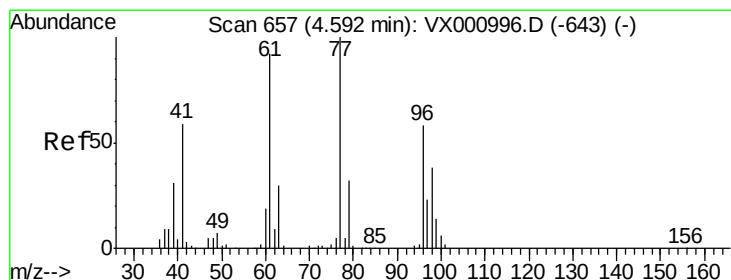
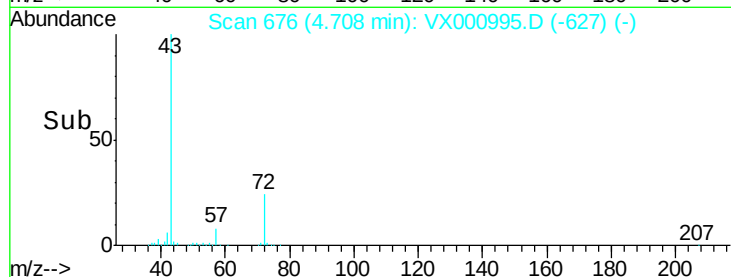
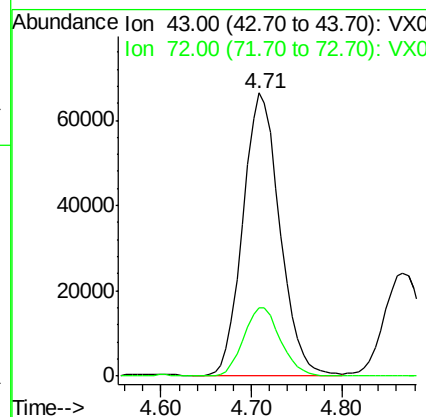
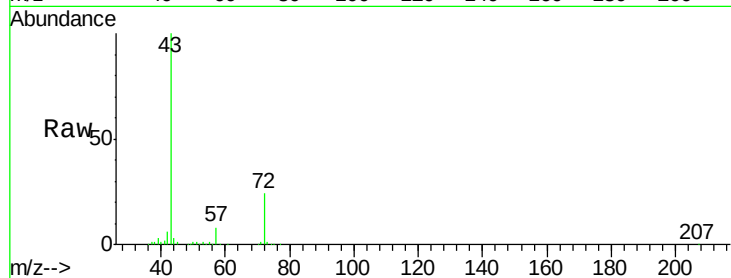
72 24.0 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

4/20/2018 2:09:30 PM



#26

2,2-Dichloropropane

Concen: 23.53 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000995.D

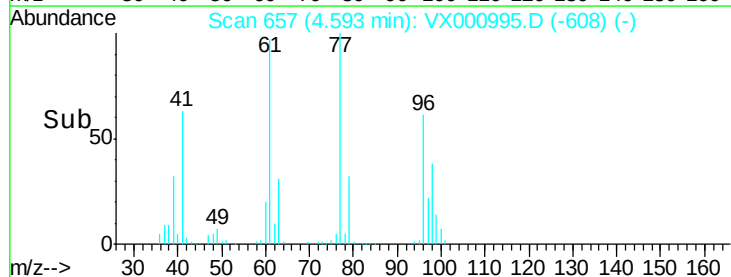
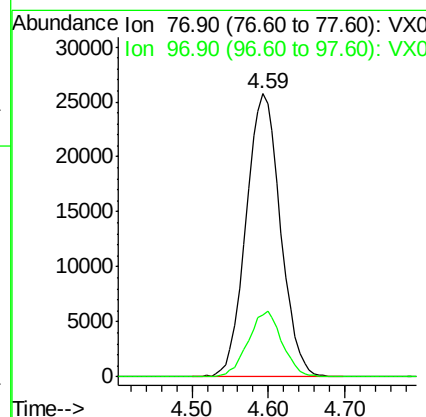
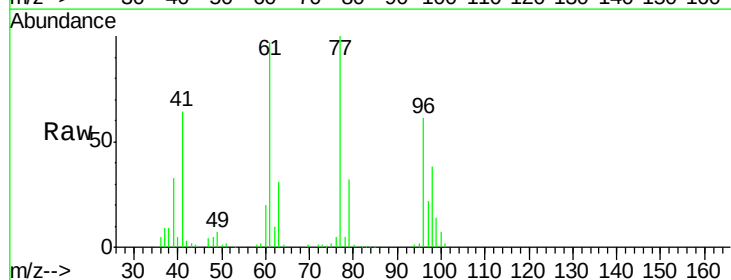
Acq: 19 Apr 2018 18:03

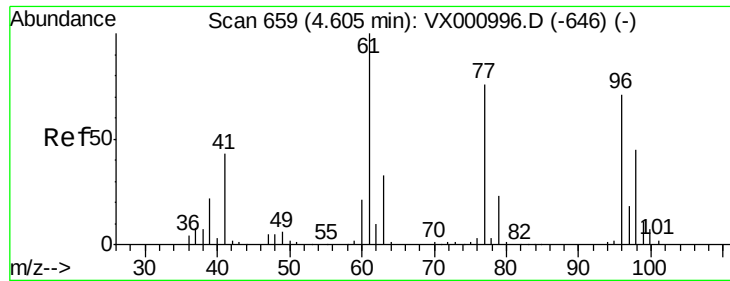
Tgt Ion: 77 Resp: 80462

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 23.97 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

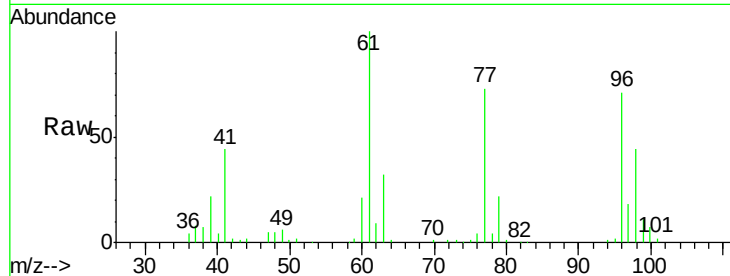
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	59505
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	297.0
98	63.9	0.0	130.0

Manual Integrations
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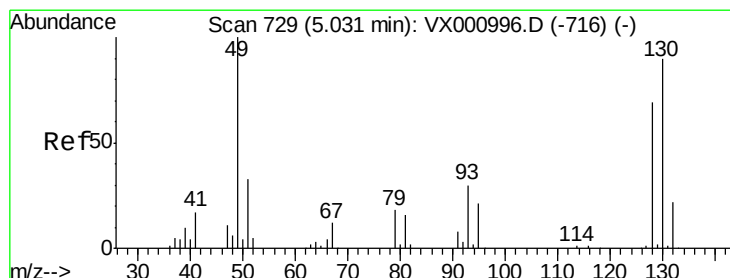
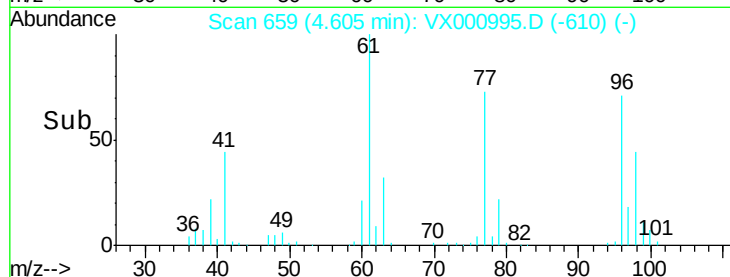
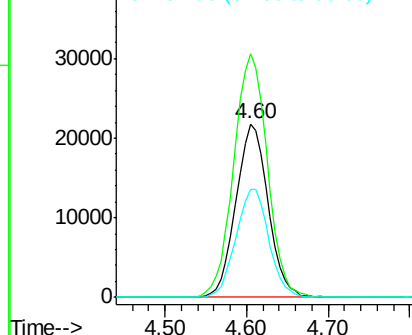


Abundance

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



#28

Bromochloromethane

Concen: 21.70 ug/l

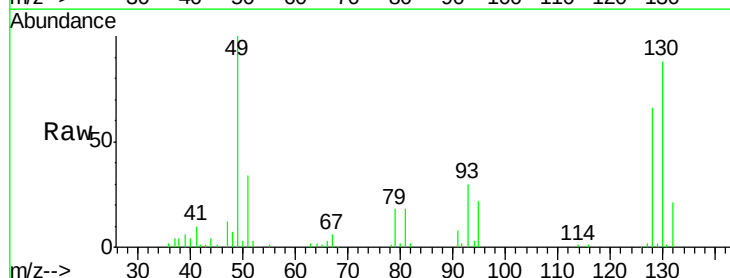
RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion:	49	Resp:	35464
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	87.4	70.6	105.8

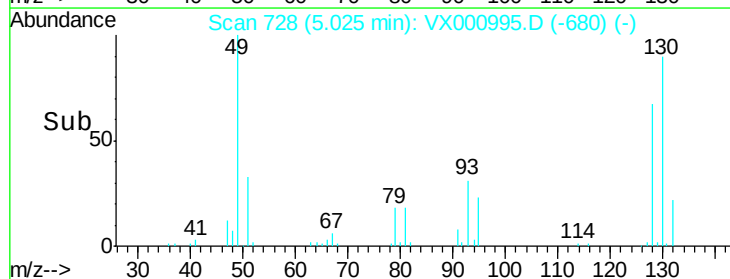
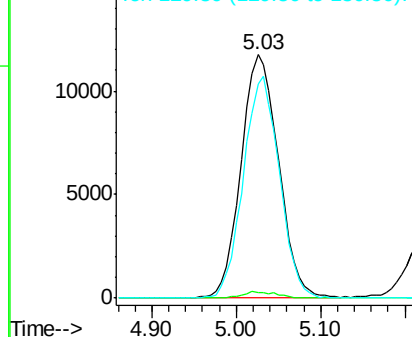


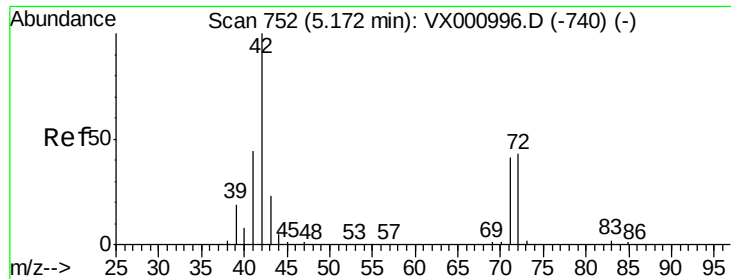
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





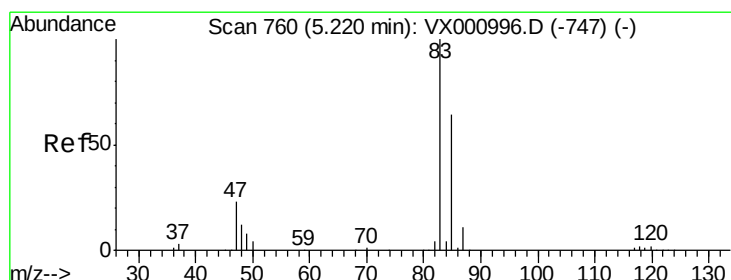
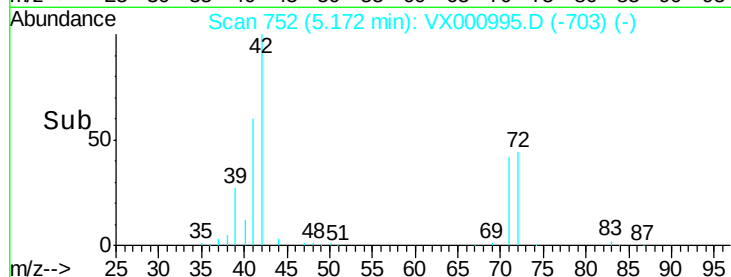
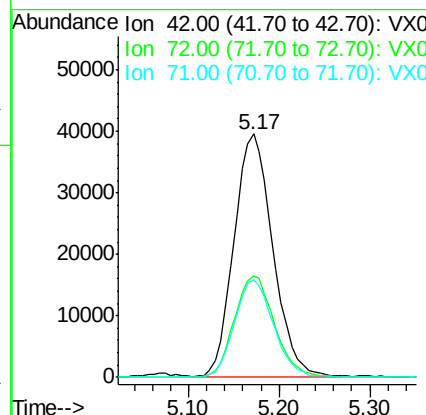
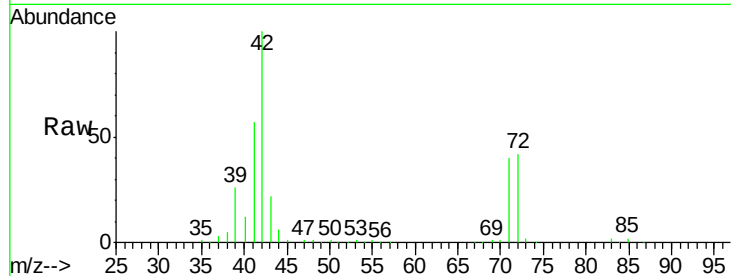
#29
Tetrahydrofuran
Concen: 117.36 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	52.0
71	40.8	32.6	49.0

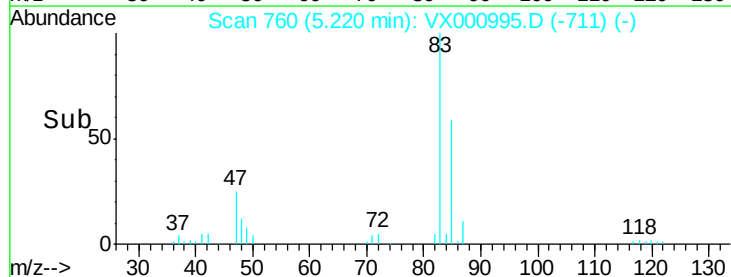
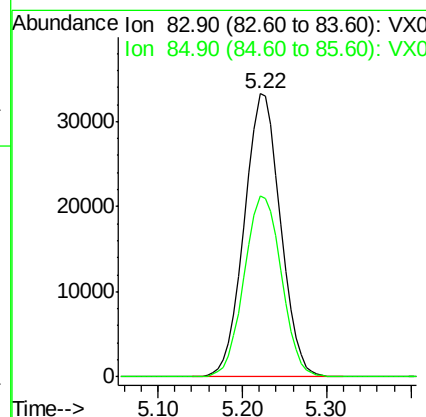
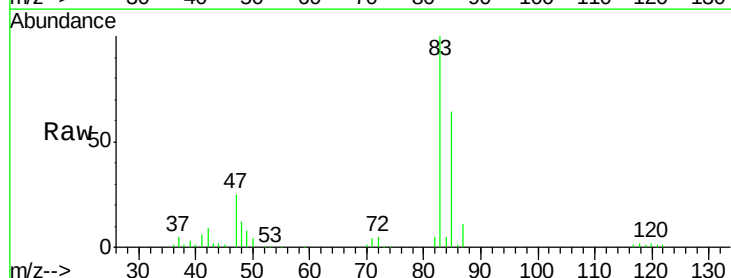
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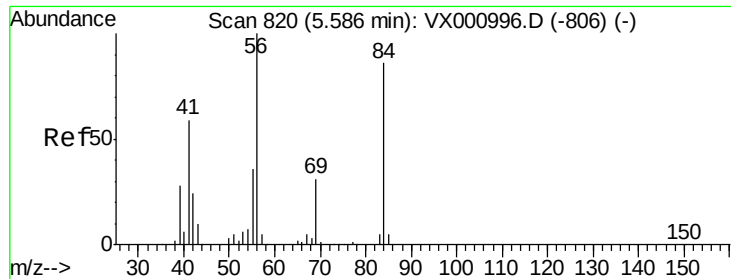
MMDadoda
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#30
Chloroform
Concen: 24.12 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





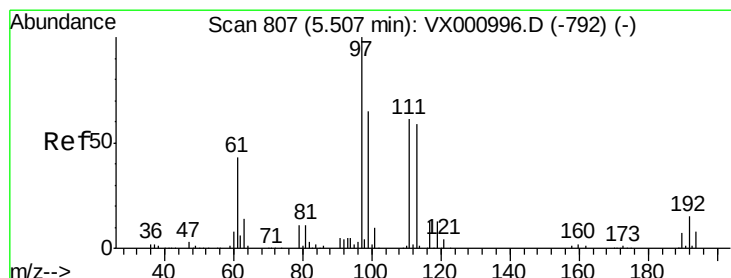
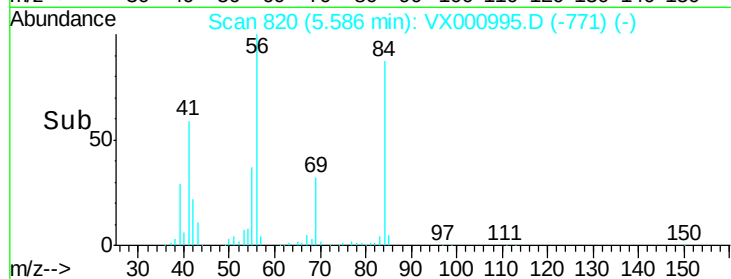
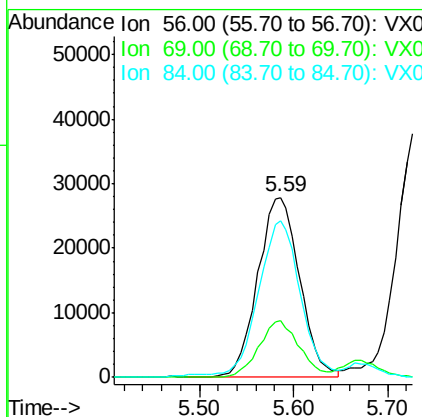
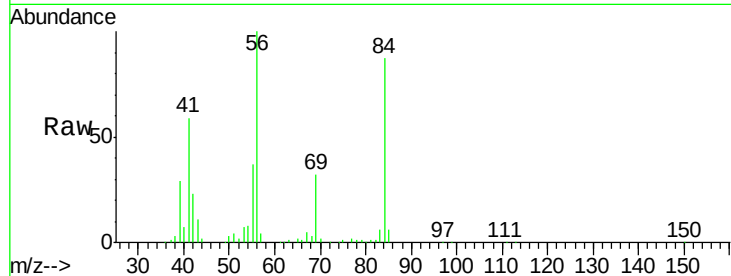
#31
Cyclohexane
Concen: 24.64 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.6	36.8
84	85.6	69.0	103.6

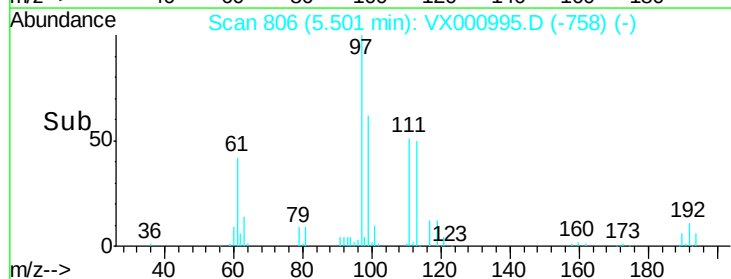
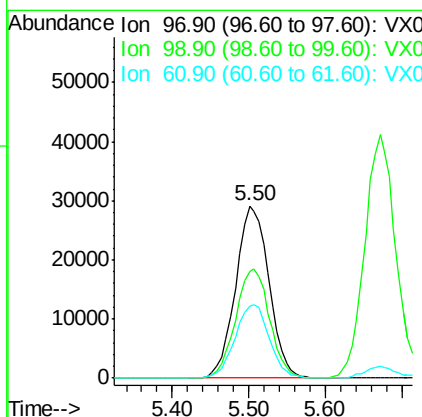
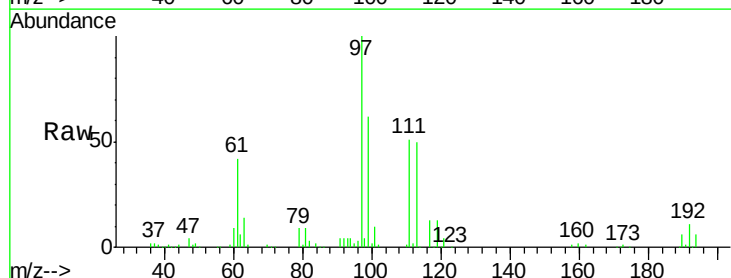
Manual Integrations
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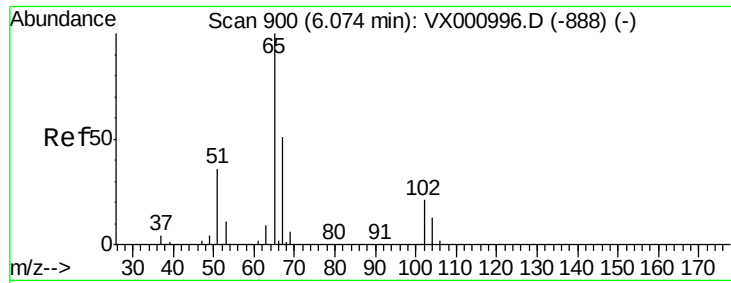
MMDadoda
4/20/2018 2:09:30 PM



#32
1,1,1-Trichloroethane
Concen: 24.67 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	43.8	34.4	51.6





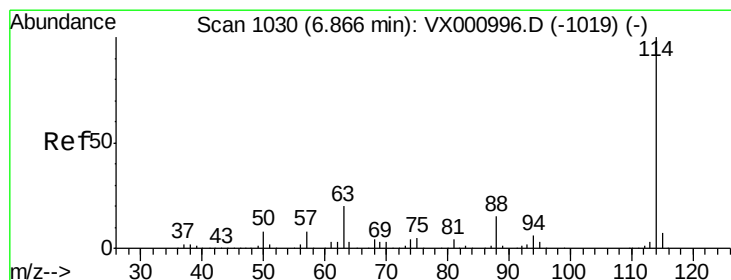
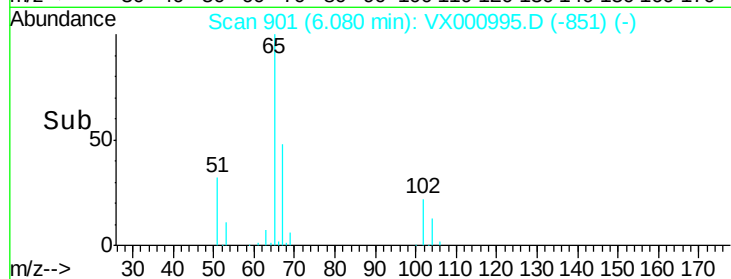
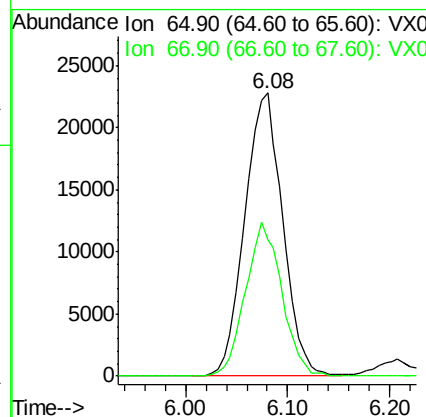
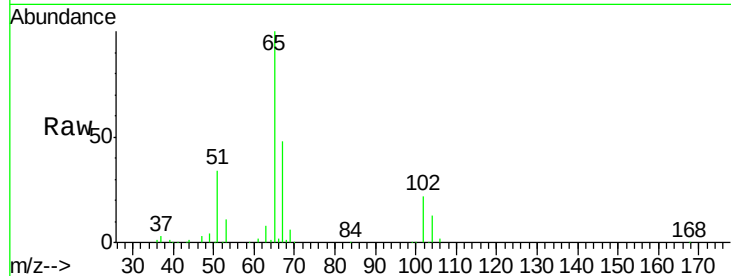
#33
 1,2-Dichloroethane-d4
 Concen: 19.00 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6

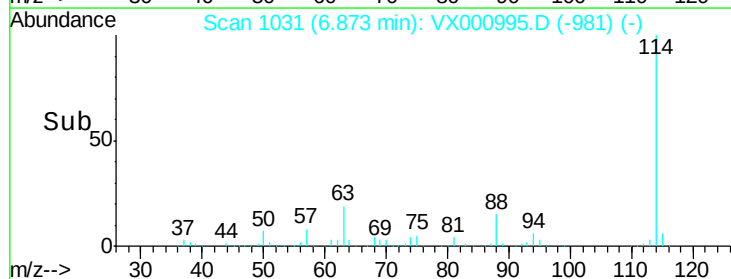
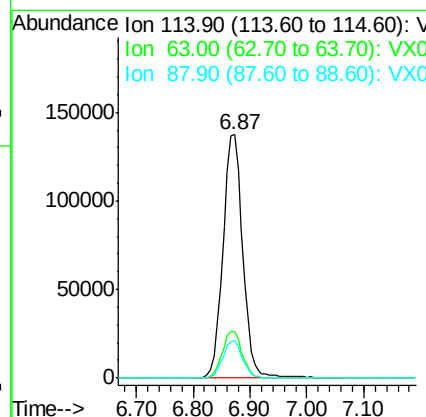
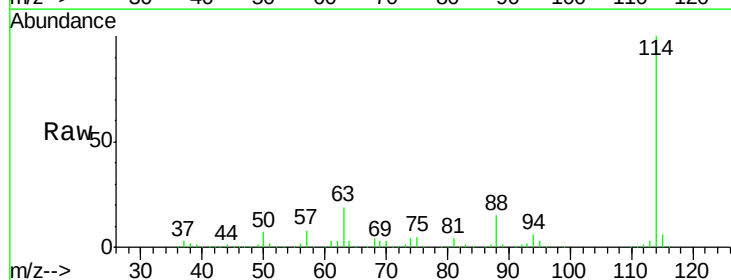
Manual Integrations
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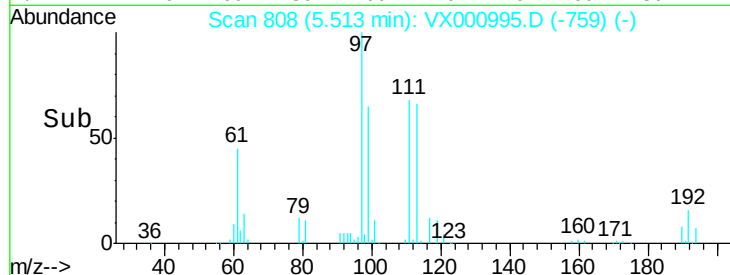
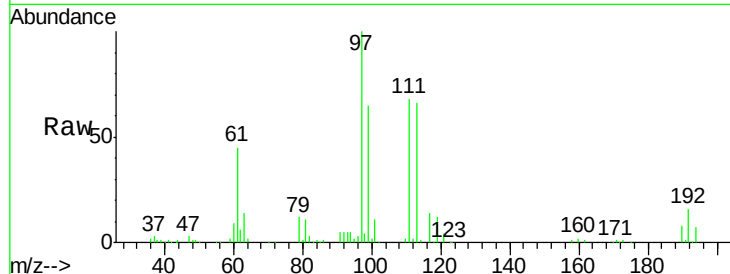
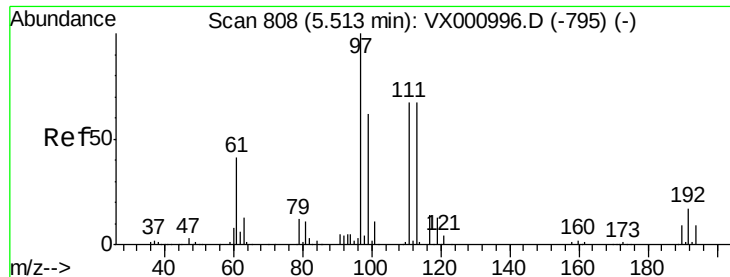
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 4/20/2018 2:09:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.4
88	15.2	0.0	29.8





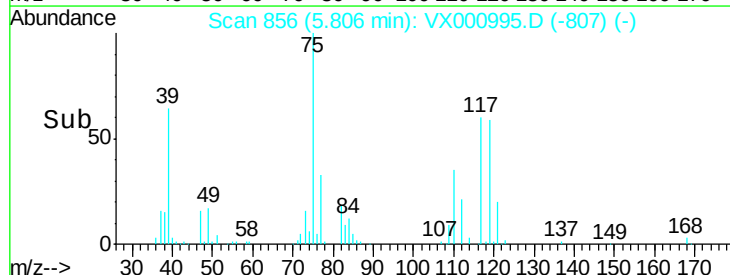
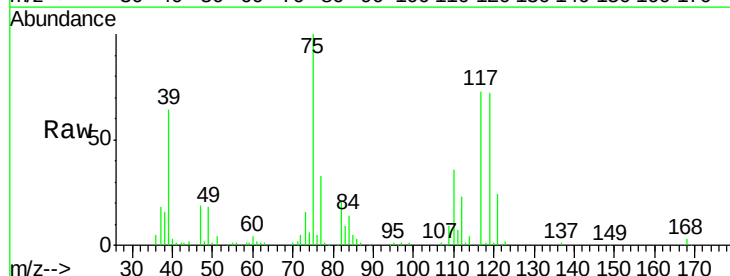
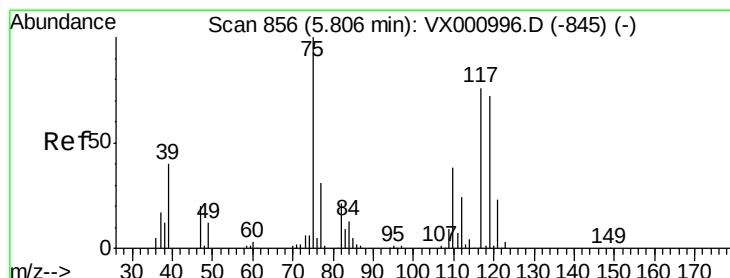
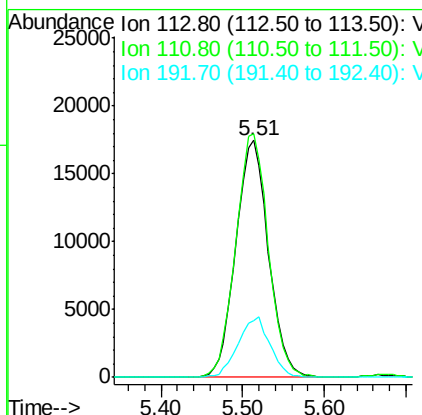
#35
Dibromofluoromethane
Concen: 20.79 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	48391		
111	102.5	81.4	122.2	
192	24.9	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

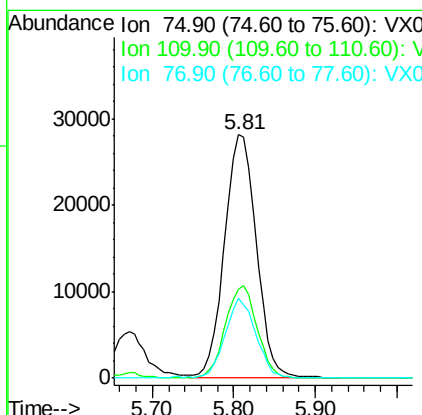
Manual Integrations
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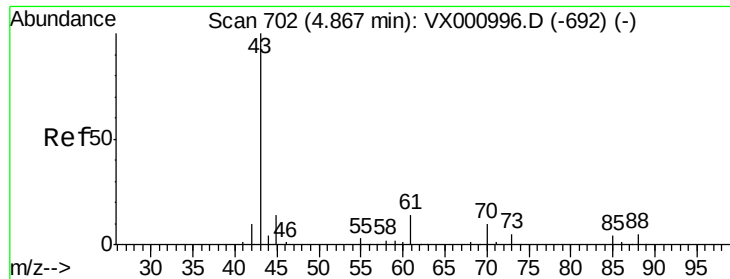
MMDadoda
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#36
1,1-Dichloropropene
Concen: 23.97 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75833		
110	38.0	18.7	56.1	
77	31.4	25.0	37.4	





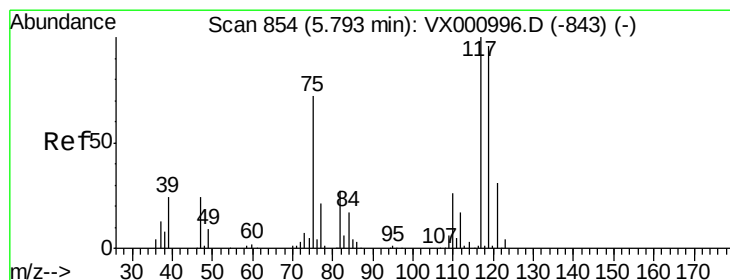
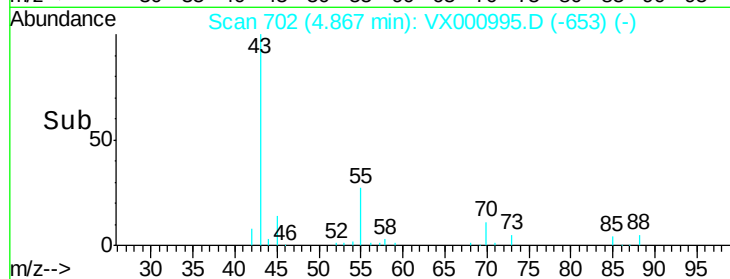
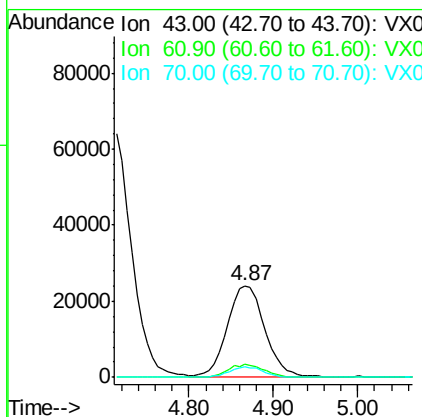
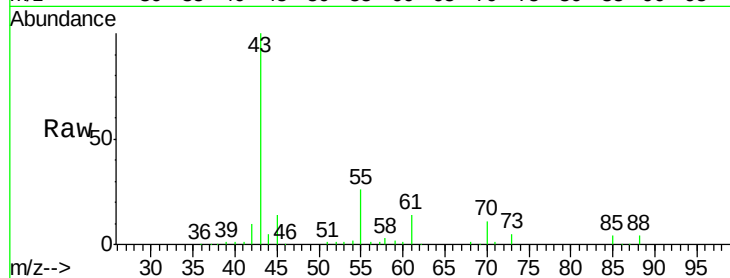
#37
Ethyl Acetate
Concen: 24.46 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.9	8.3	12.5

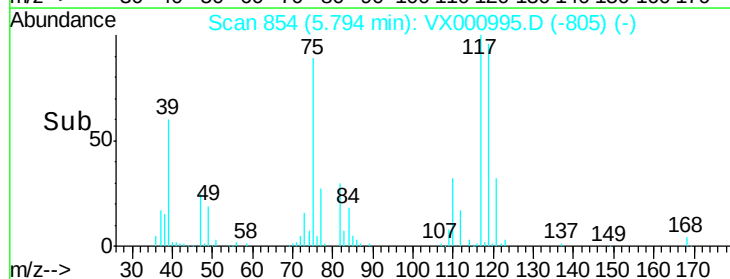
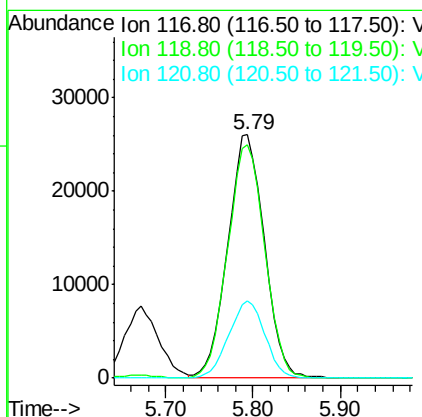
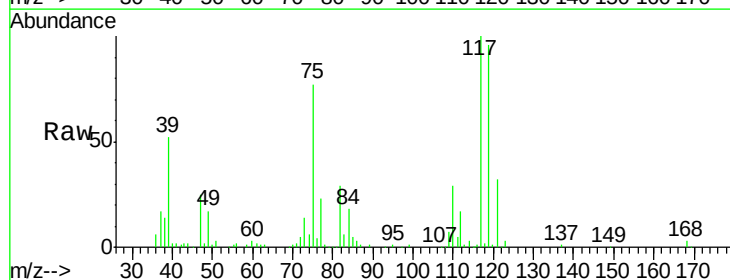
Manual Integrations
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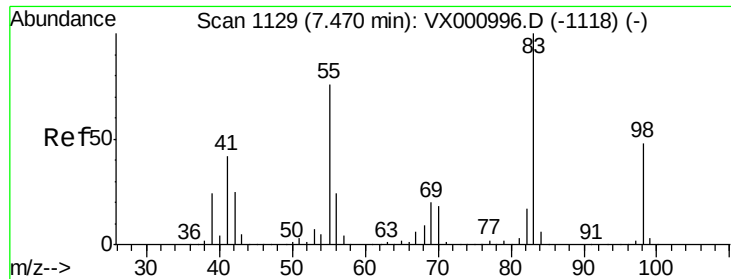
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#38
Carbon Tetrachloride
Concen: 22.92 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
121	32.1	24.5	36.7





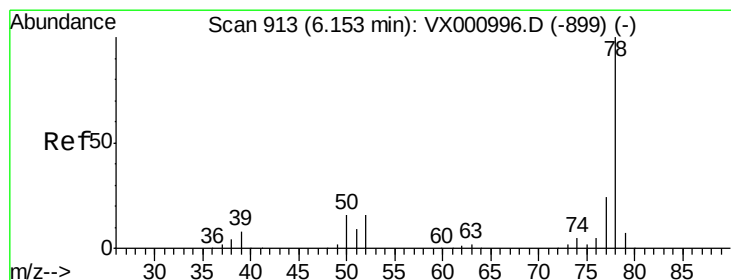
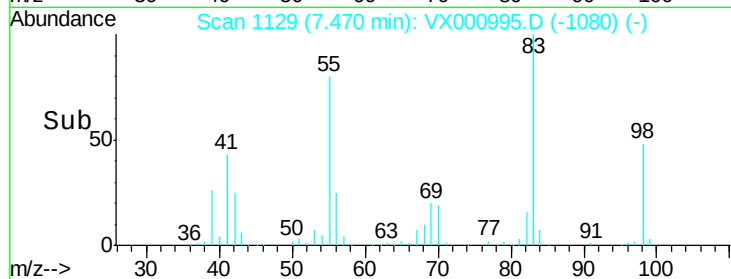
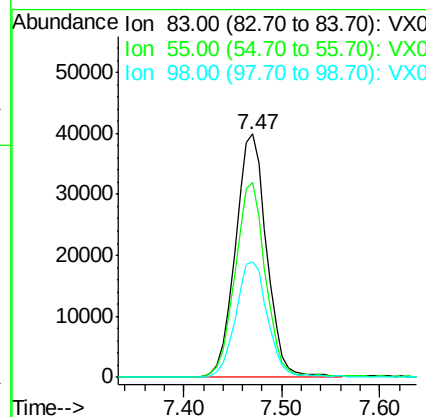
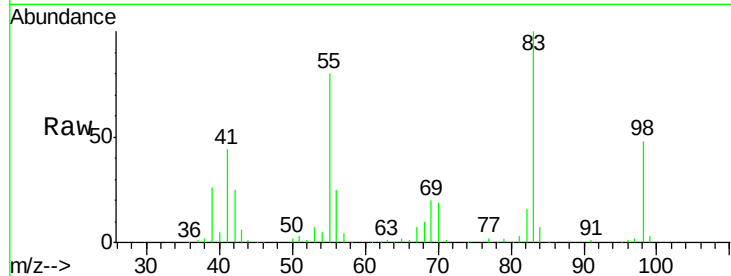
#39
Methylvlcyclohexane
Concen: 23.40 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	88502
Ion	Ratio	Lower	Upper
83	100		
55	80.0	60.6	91.0
98	47.6	38.2	57.4

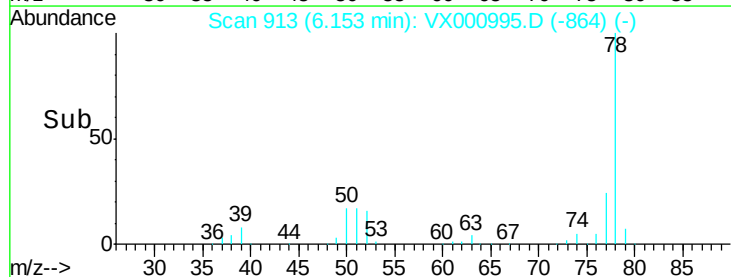
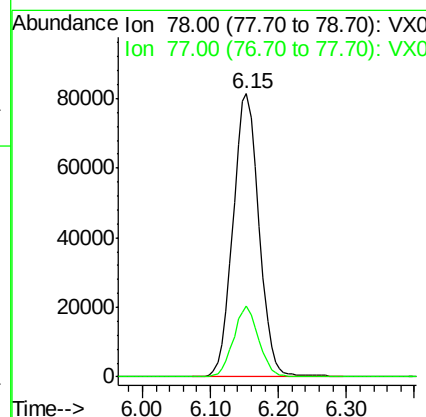
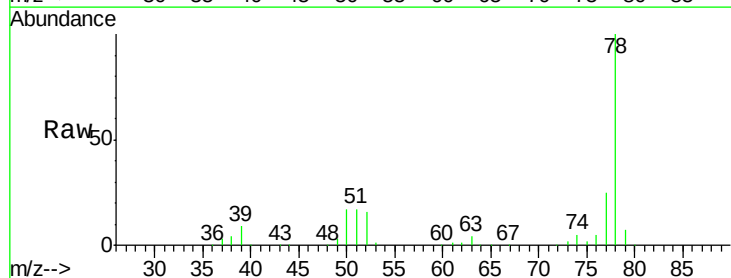
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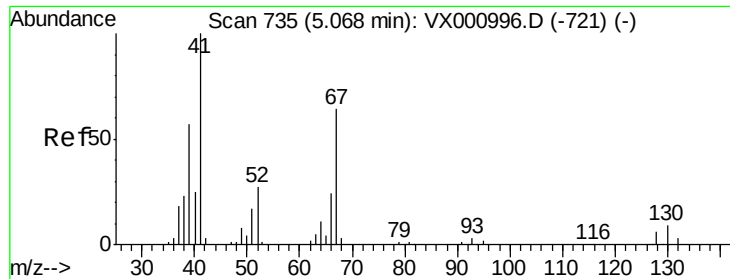
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#40
Benzene
Concen: 24.50 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	78	Resp	216252
Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.9	28.3





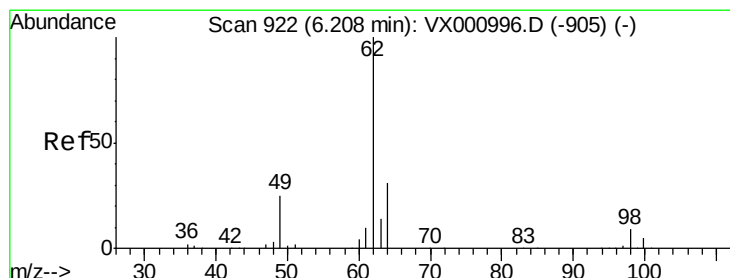
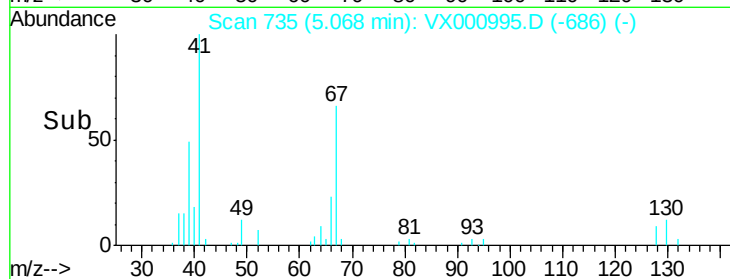
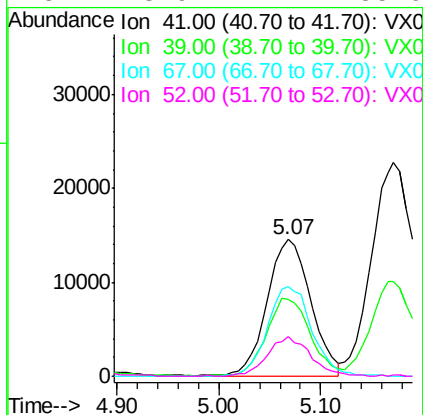
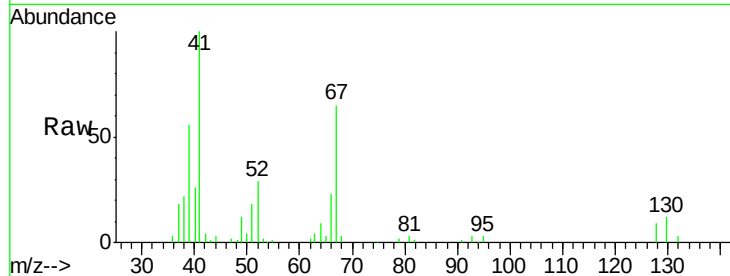
#41
Methacrylonitrile
Concen: 23.25 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	45.2	67.8	
67	66.8	53.8	80.8	
52	28.9	22.4	33.6	

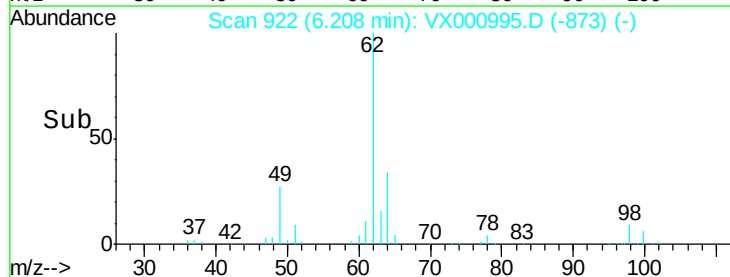
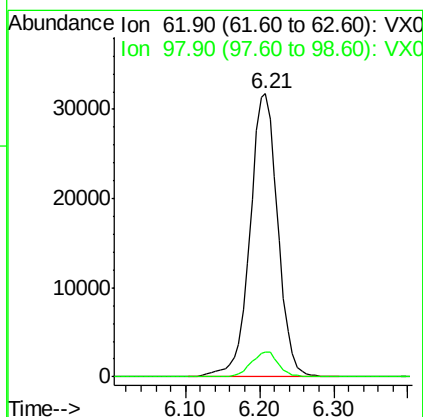
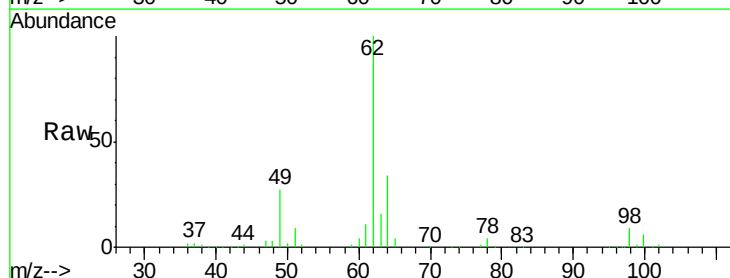
Manual Integrations
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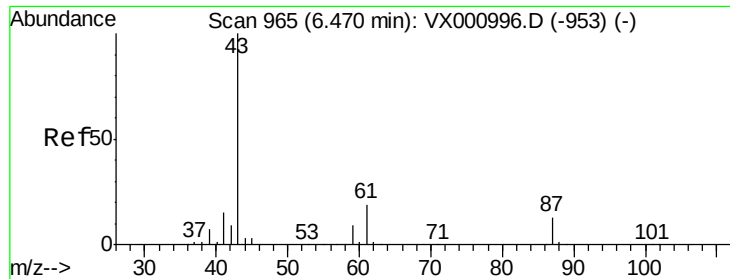
MMDadoda
4/20/2018 2:09:30 PM



#42
1,2-Dichloroethane
Concen: 24.33 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.6	





#43

Isopropyl Acetate

Concen: 24.25 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

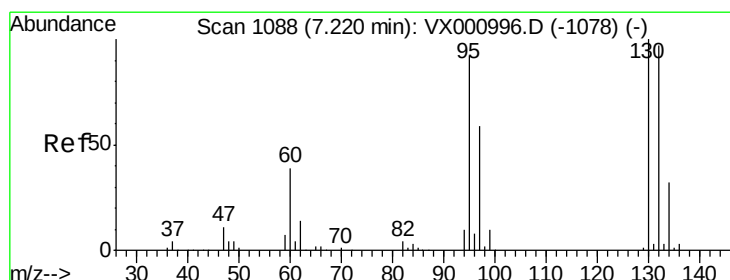
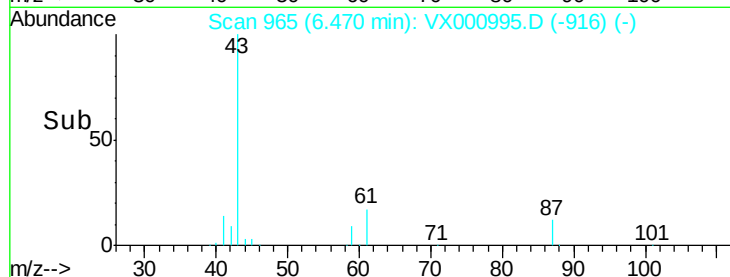
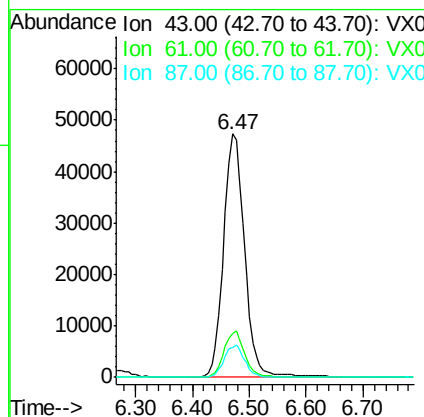
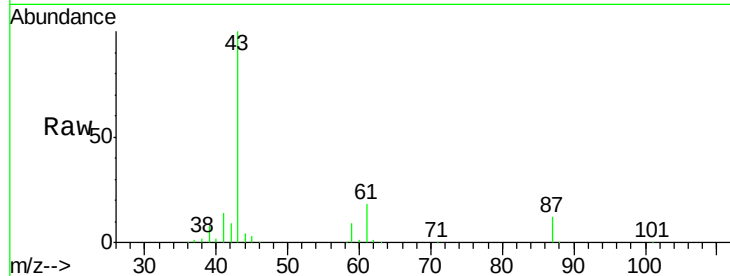
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	120918
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.2
87	12.9	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 23.31 ug/l

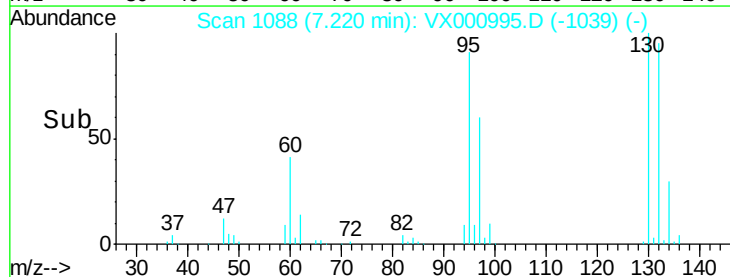
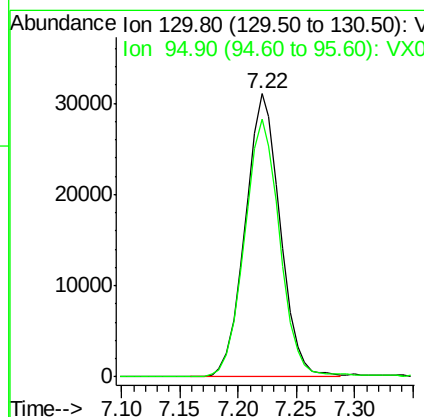
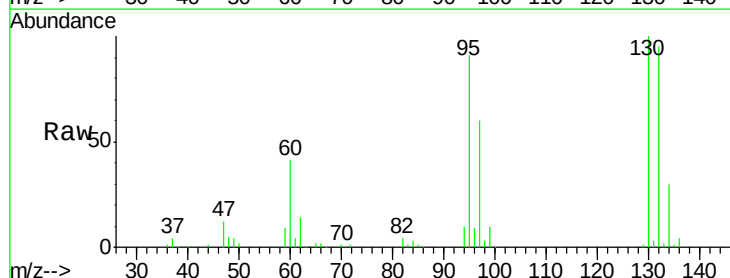
RT: 7.22 min Scan# 1088

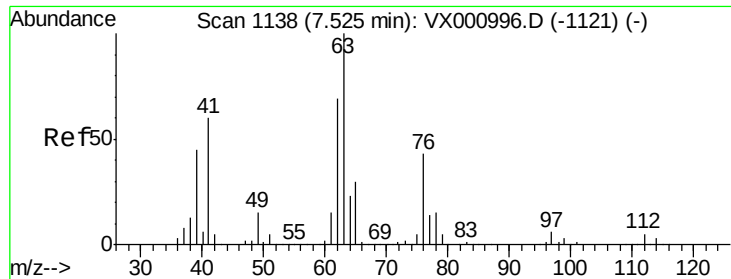
Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion:	130	Resp:	64836
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	184.2





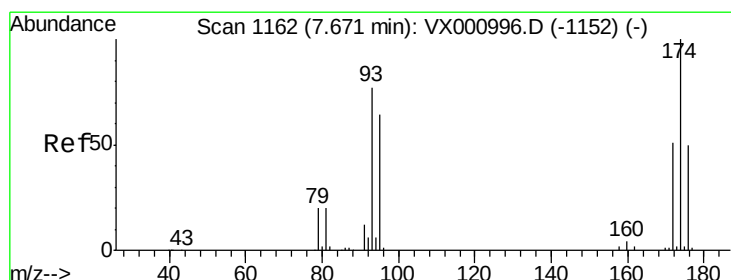
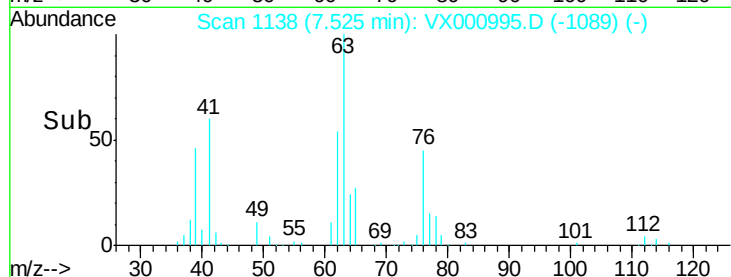
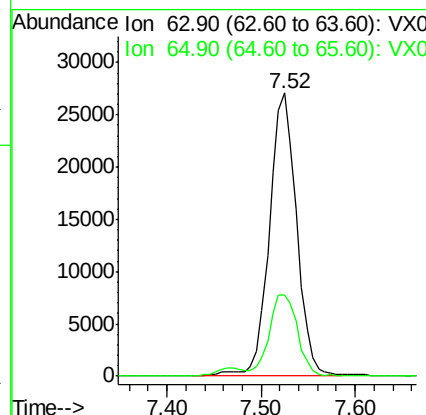
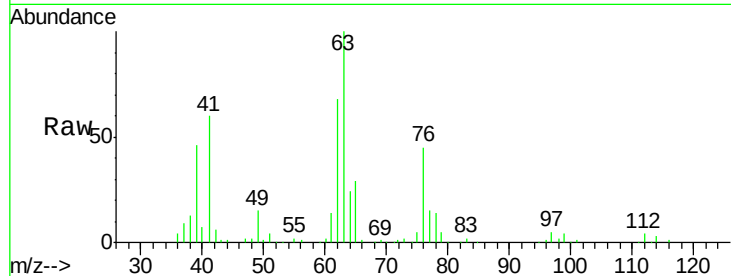
#45
 1,2-Dichloropropane
 Concen: 24.03 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.4	36.6

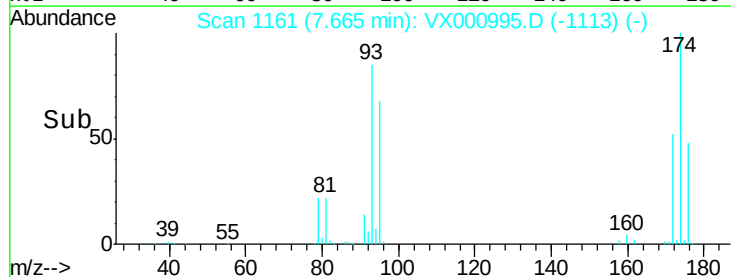
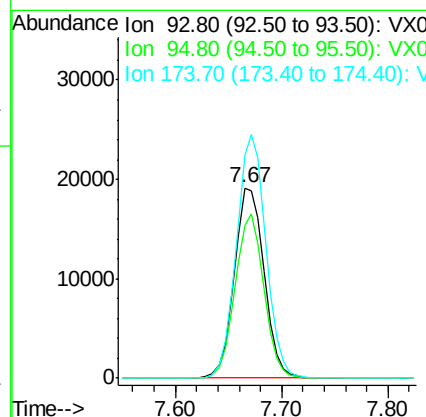
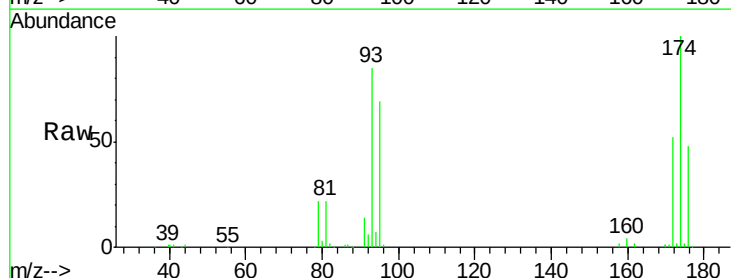
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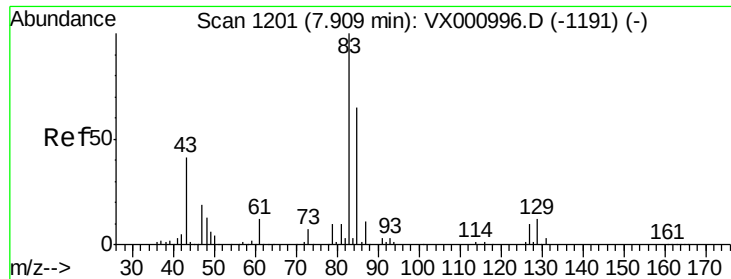
MMDadoda
 4/20/2018 2:09:30 PM



#46
 Dibromomethane
 Concen: 23.81 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	126.0	101.8	152.6





#47

Bromodichloromethane

Concen: 23.87 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

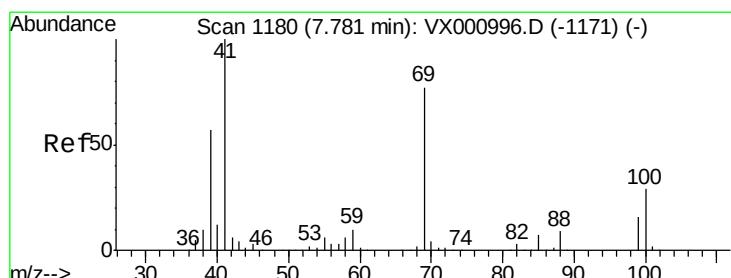
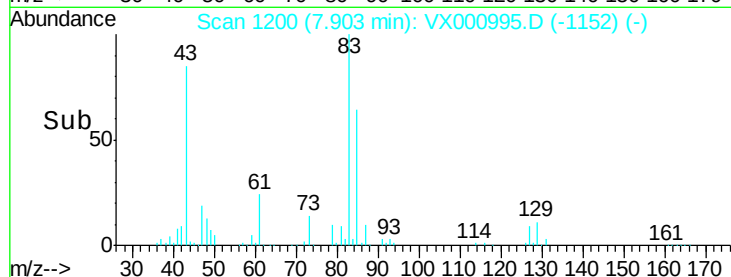
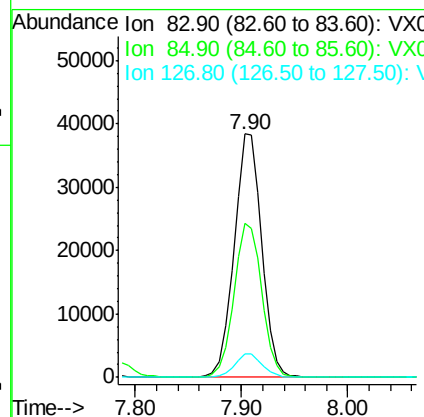
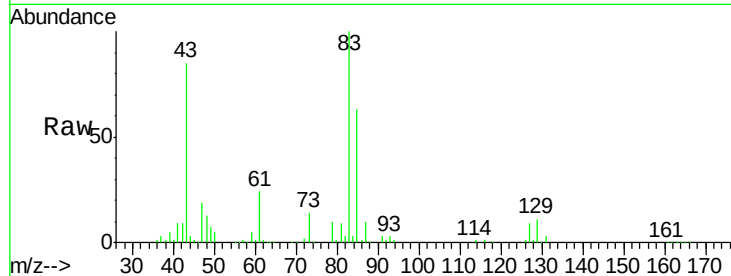
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	69929
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.3	78.5
127	9.4	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.07 ug/l

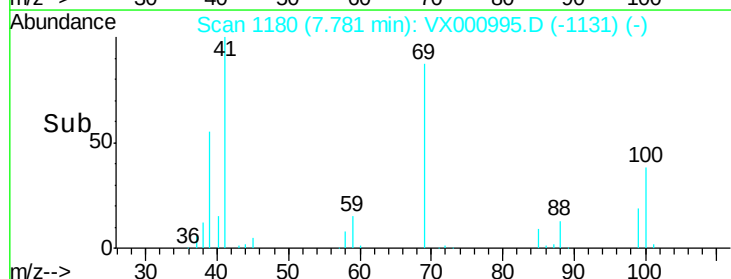
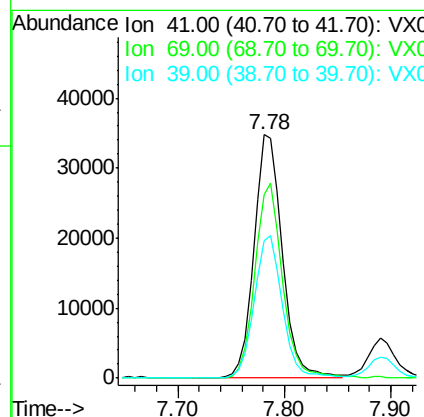
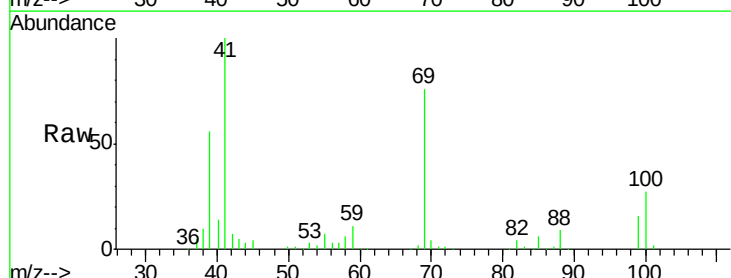
RT: 7.78 min Scan# 1180

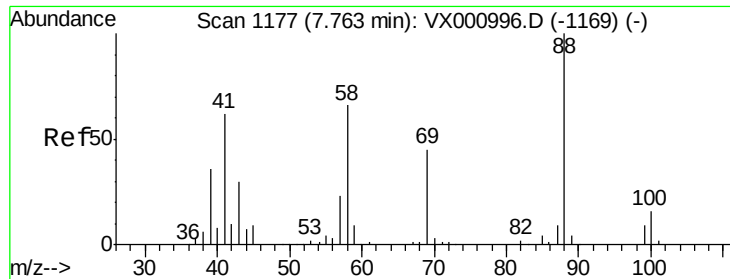
Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion:	41	Resp:	64558
Ion	Ratio	Lower	Upper
41	100		
69	78.9	62.6	94.0
39	57.9	45.3	67.9





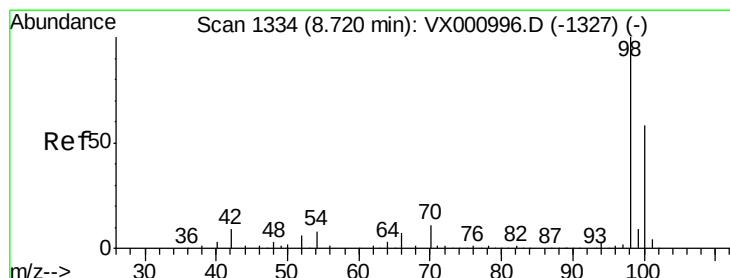
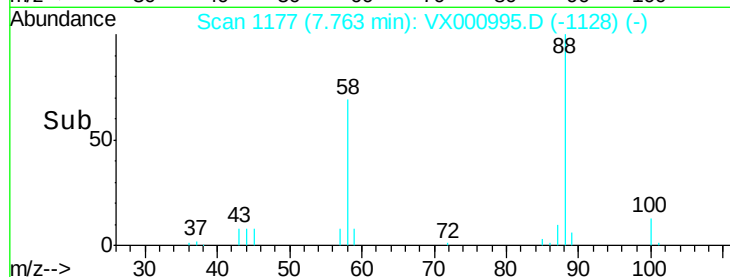
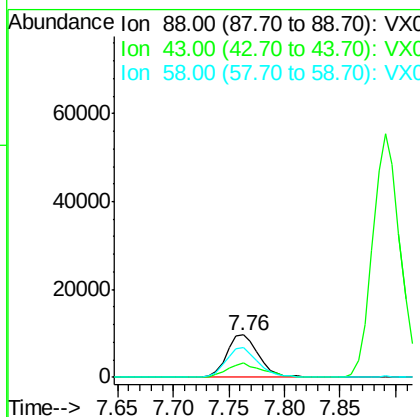
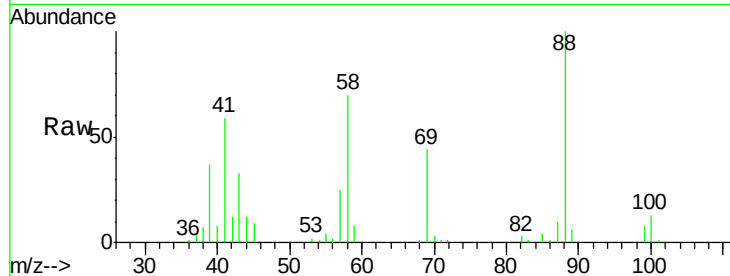
#49
1,4-Dioxane
Concen: 504.73 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.2	43.8
58	70.1	55.0	82.6

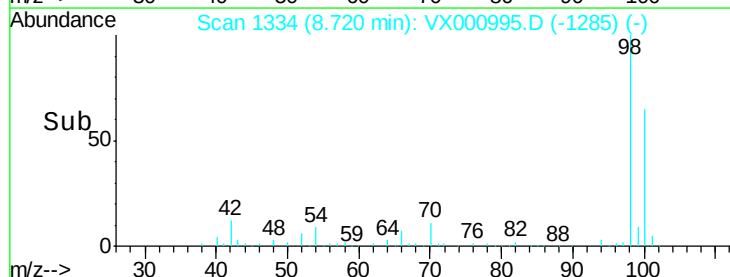
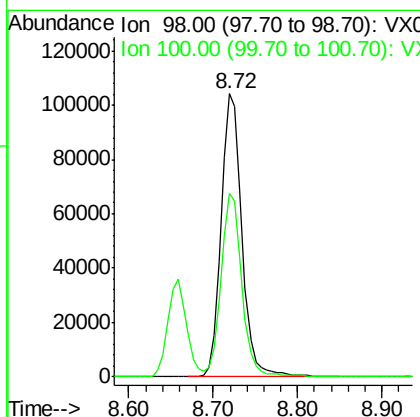
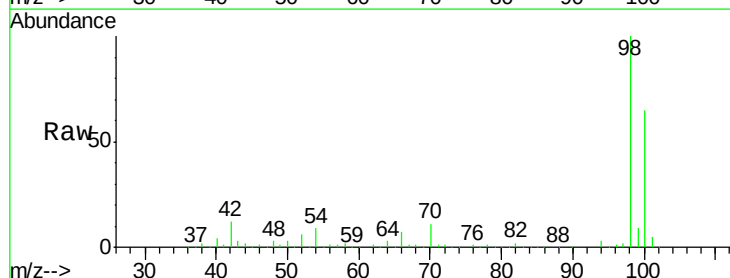
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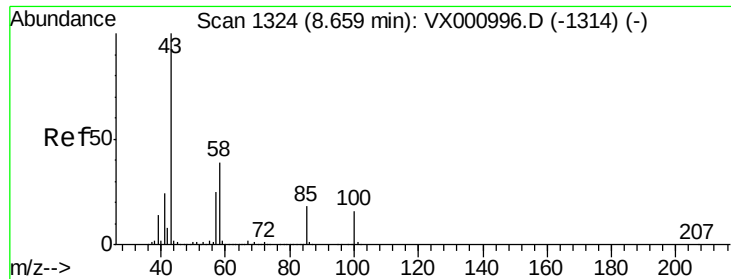
MMDadoda
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#50
Toluene-d8
Concen: 21.04 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.9	77.9





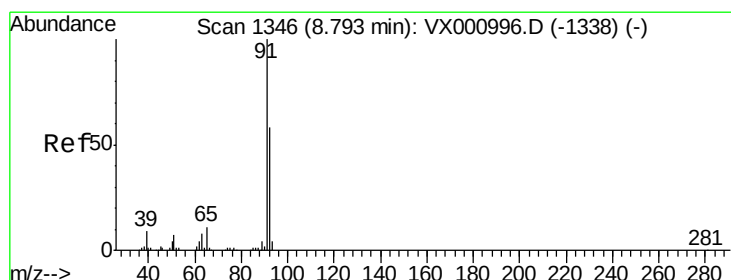
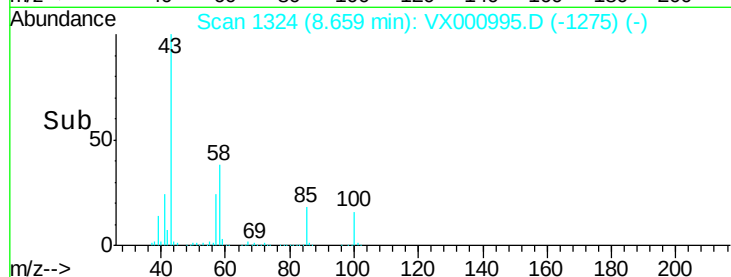
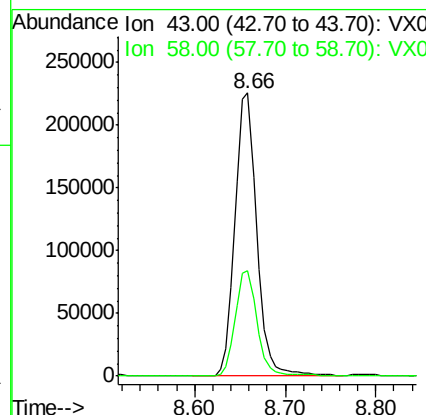
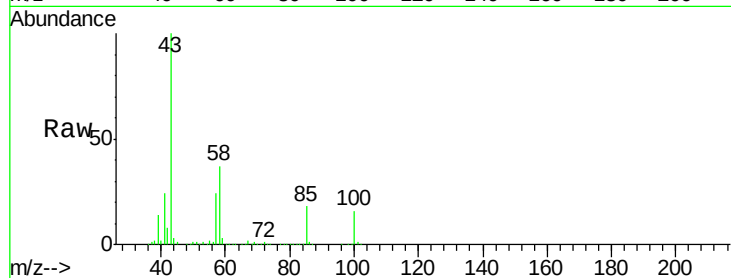
#51
4-Methyl-2-Pentanone
Concen: 124.79 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	377205
Ion Ratio	100	Lower	Upper
43	100		
58	38.0	30.2	45.4

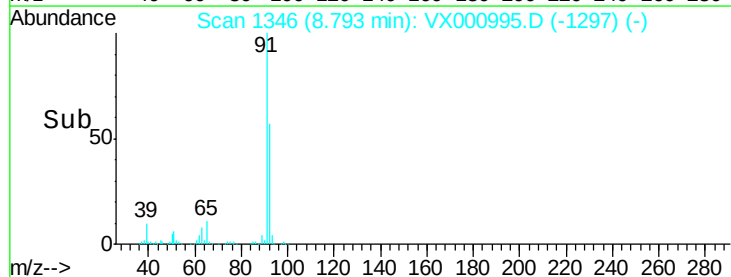
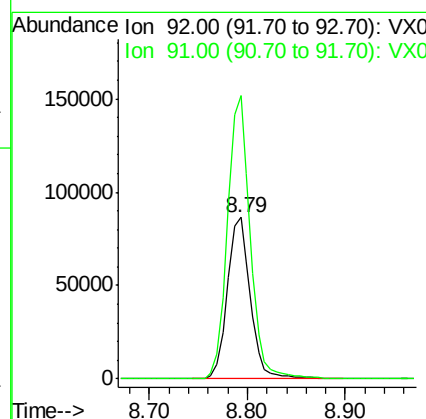
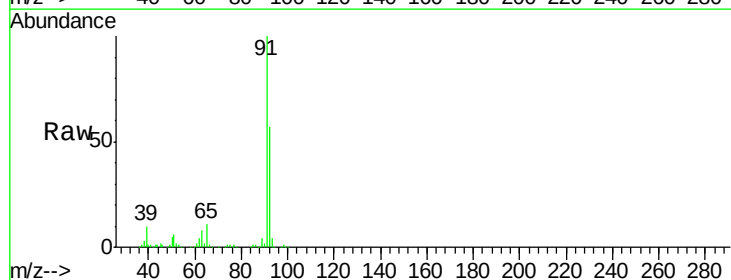
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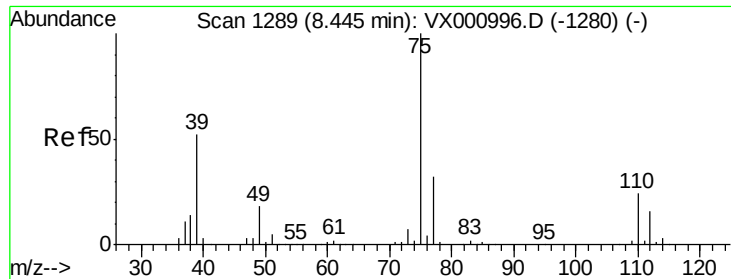
MMDadoda
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#52
Toluene
Concen: 24.32 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	92	Resp	140919
Ion Ratio	100	Lower	Upper
92	100		
91	174.0	138.2	207.4





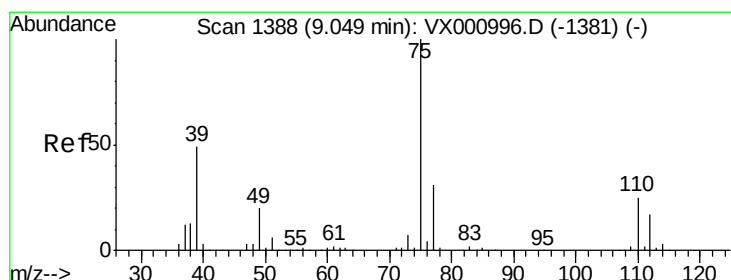
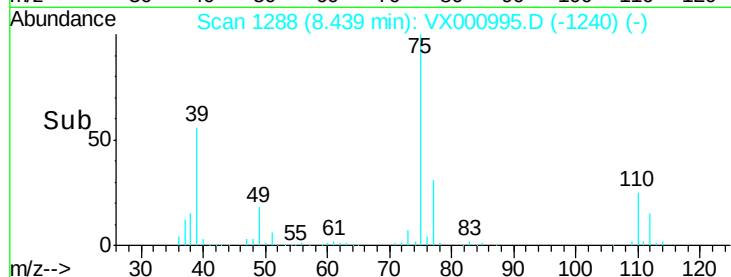
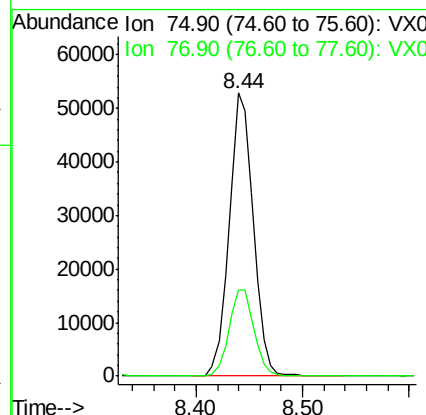
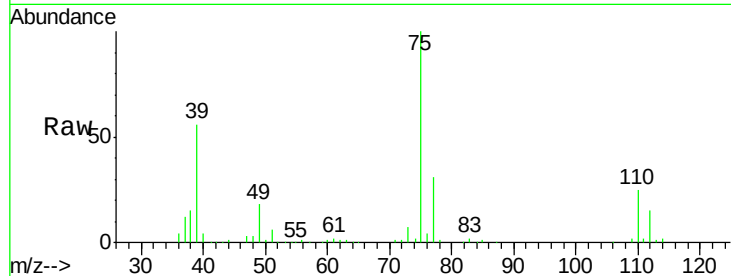
#53
t-1,3-Dichloropropene
Concen: 23.83 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 83788
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6

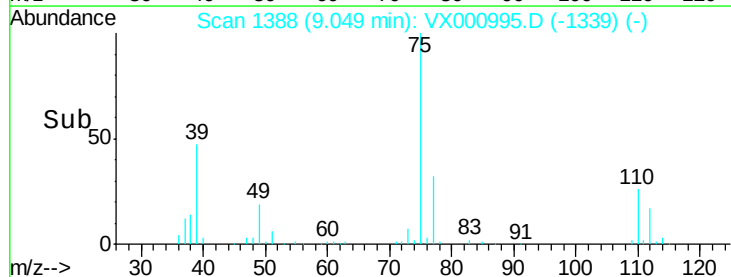
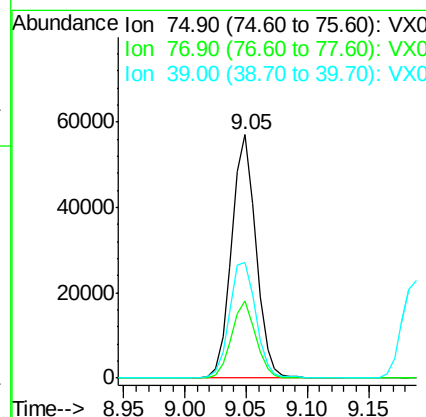
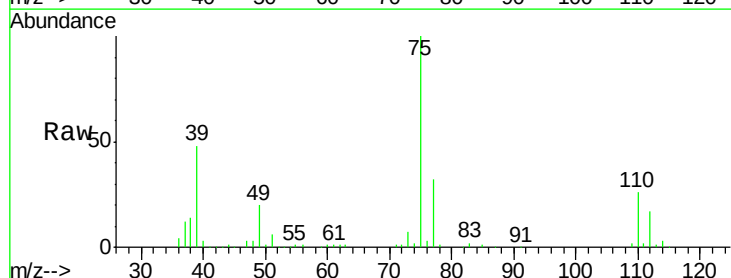
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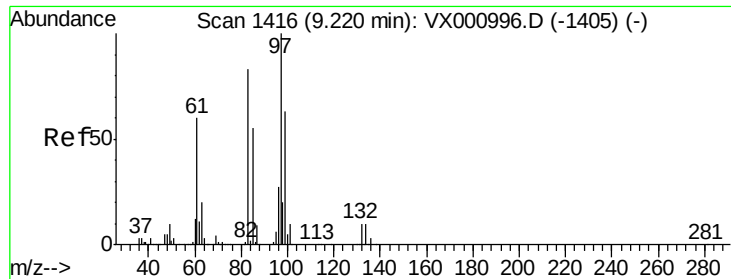
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#54
cis-1,3-Dichloropropene
Concen: 23.35 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion: 75 Resp: 78316
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 47.6 39.2 58.8





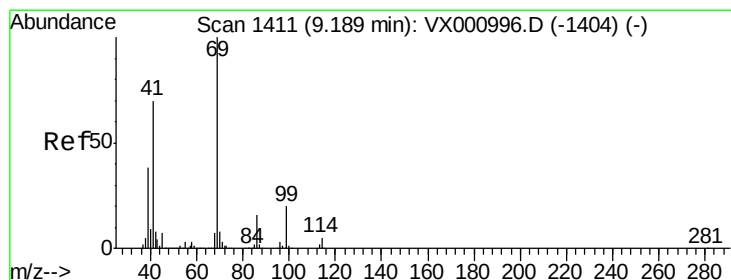
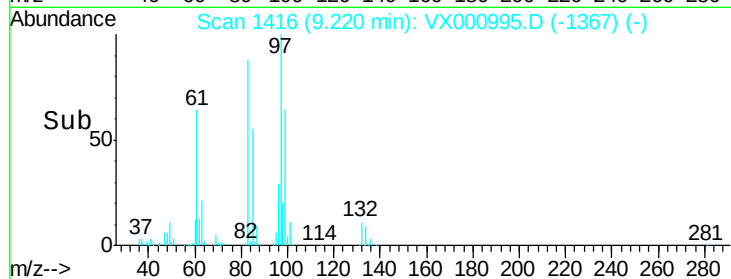
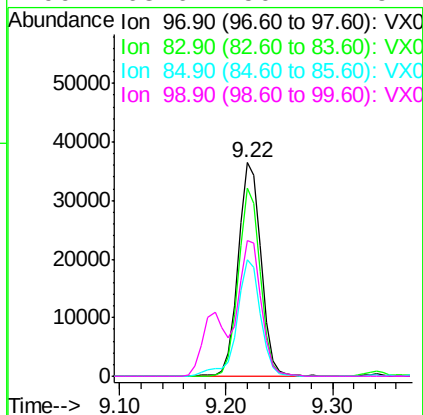
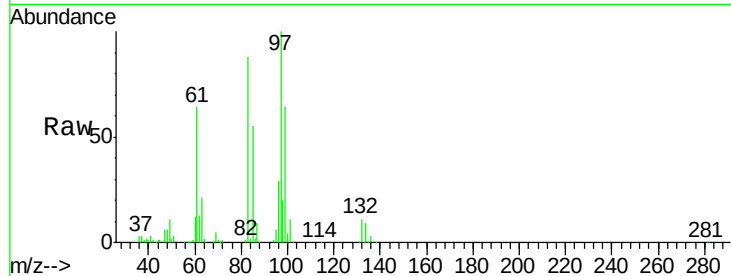
#55
 1,1,2-Trichloroethane
 Concen: 24.45 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	55095
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.2	99.4
85	54.7	44.2	66.4
99	63.6	50.2	75.4

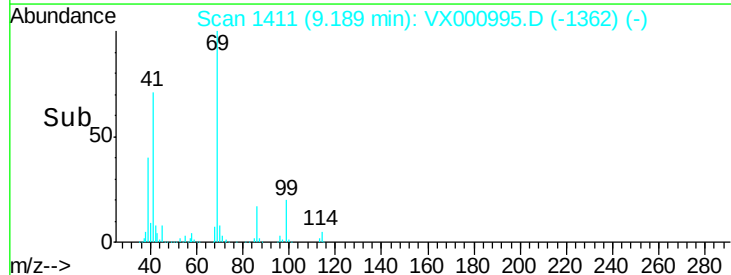
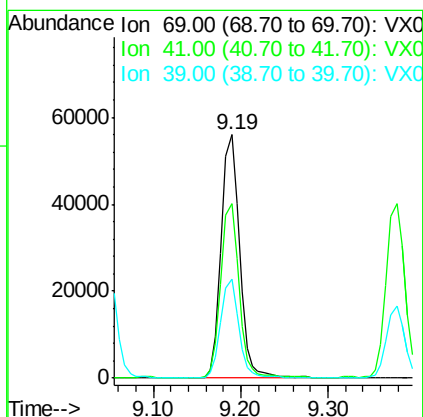
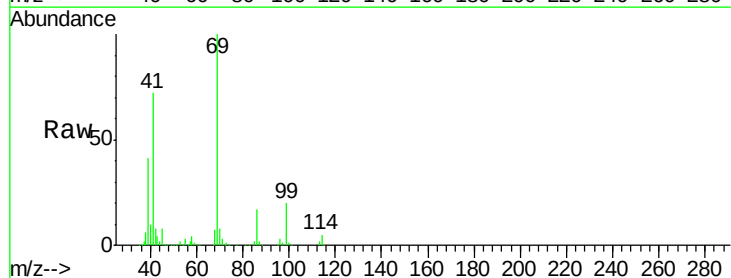
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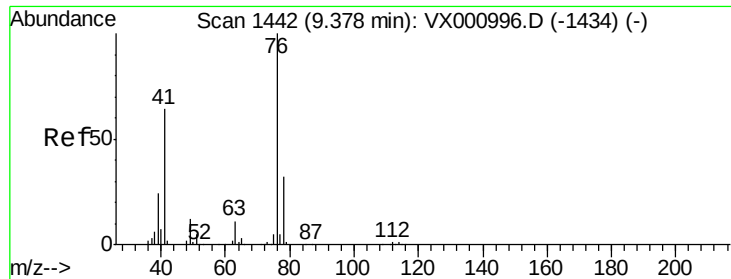
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#56
 Ethyl methacrylate
 Concen: 24.00 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion:	69	Resp:	81945
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.3	84.5
39	39.9	30.4	45.6





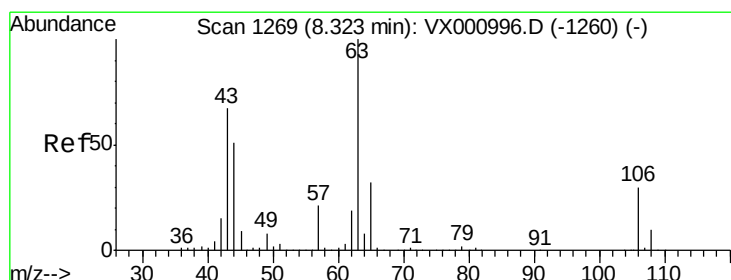
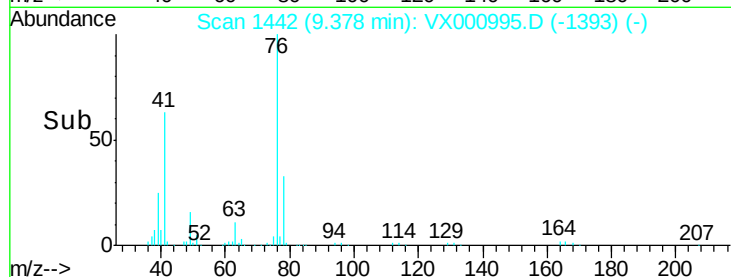
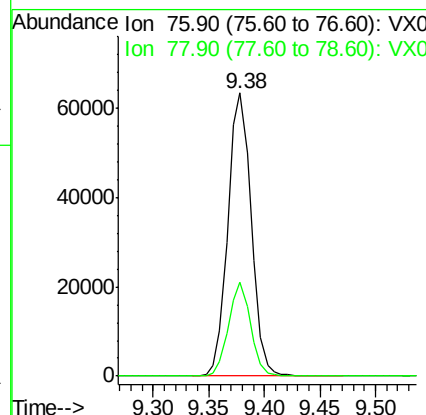
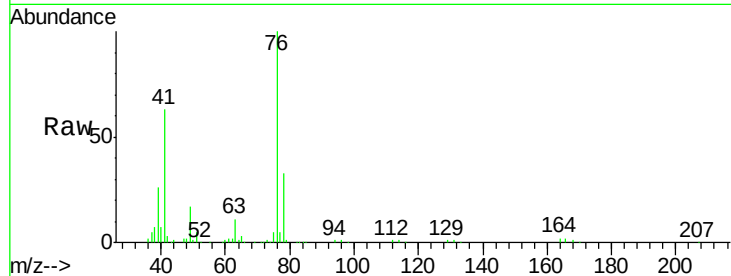
#57
 1,3-Dichloropropane
 Concen: 24.73 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

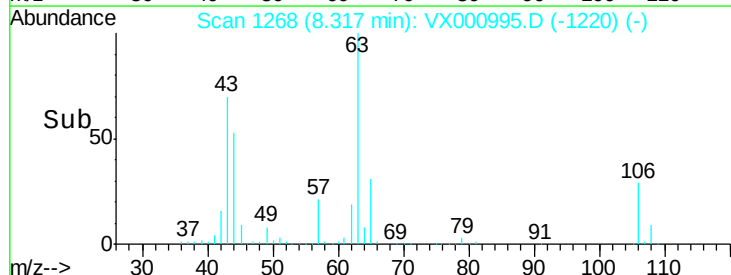
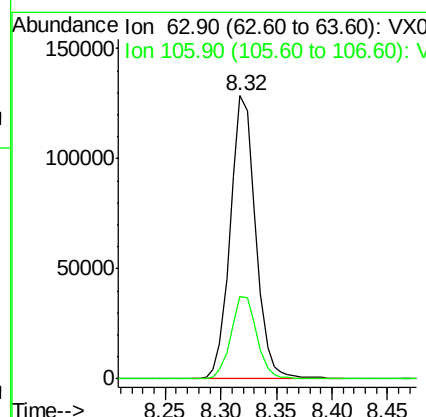
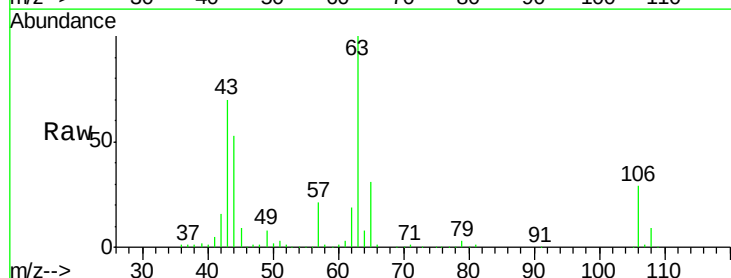
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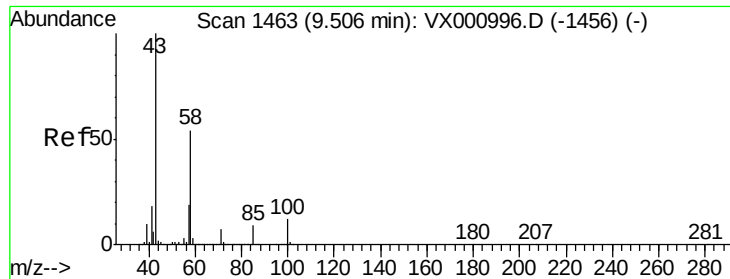
MMDadoda
 4/20/2018 2:09:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 129.58 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	23.8	35.6





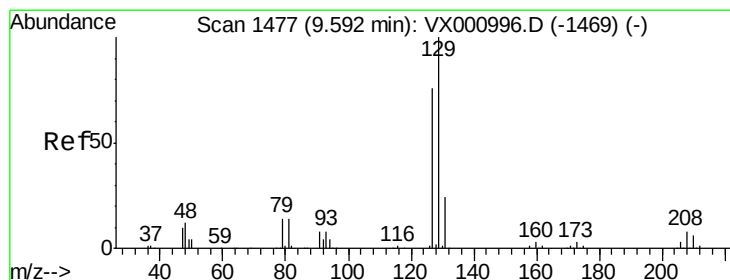
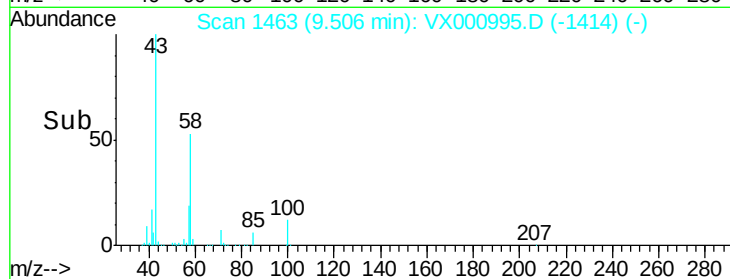
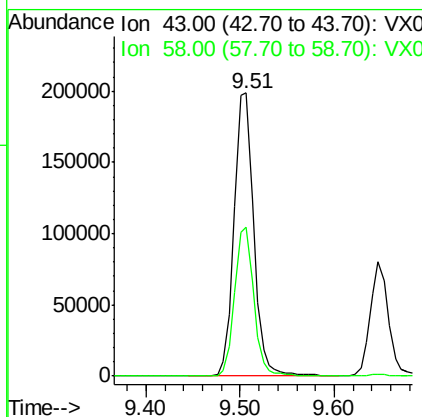
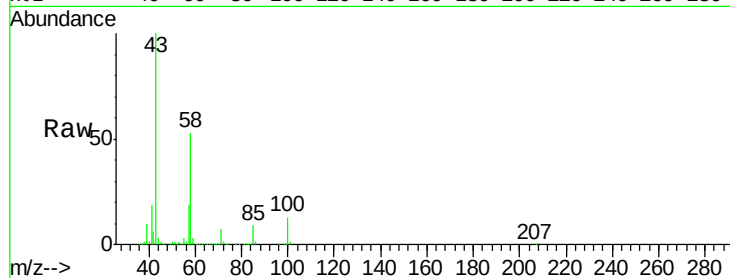
#59
2-Hexanone
Concen: 124.60 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	26.3	78.9

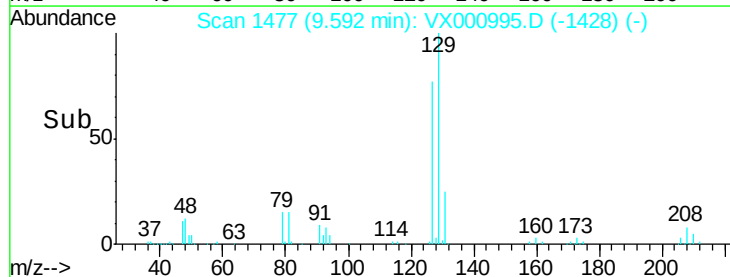
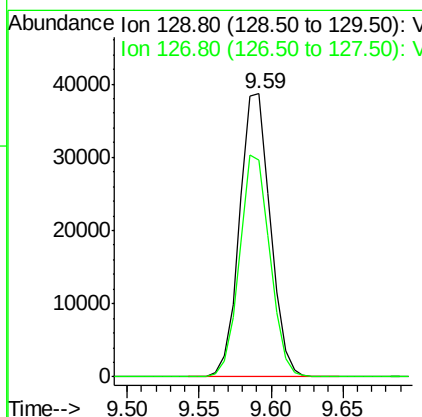
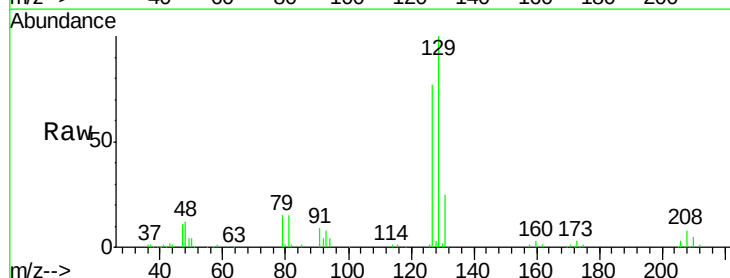
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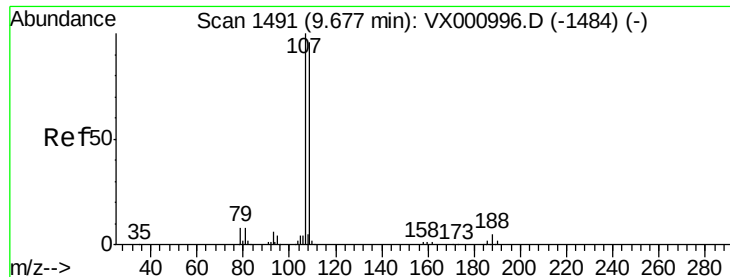
MMDadoda
4/20/2018 2:09:30 PM



#60
Dibromochloromethane
Concen: 23.07 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8





#61

1,2-Dibromoethane

Concen: 24.31 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 59216

Ion Ratio Lower Upper

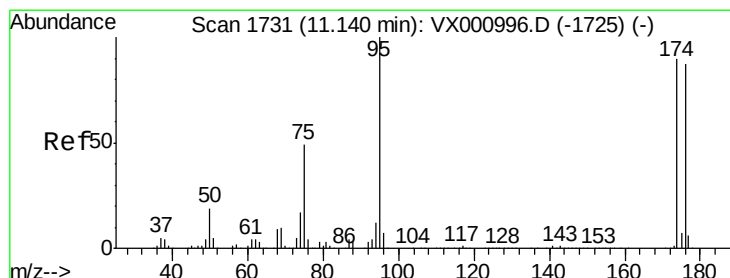
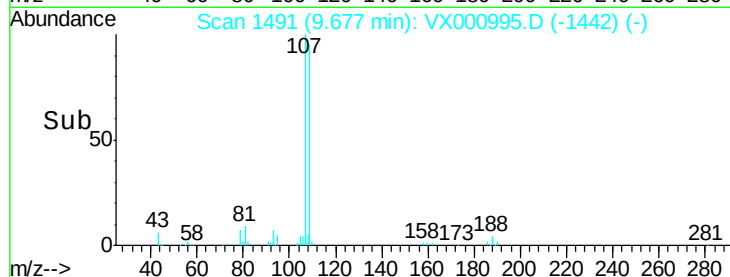
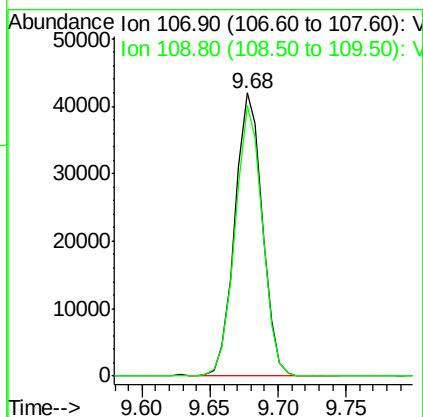
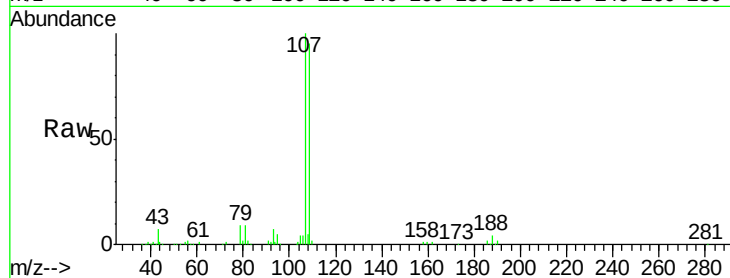
107 100

109 95.2 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 21.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

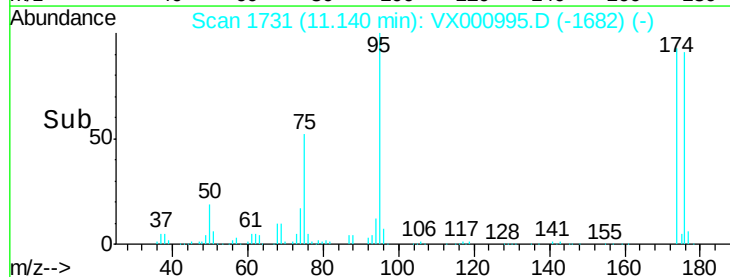
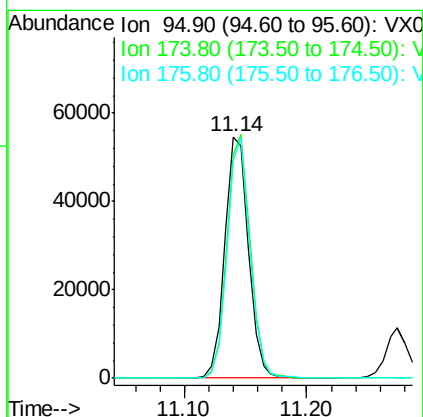
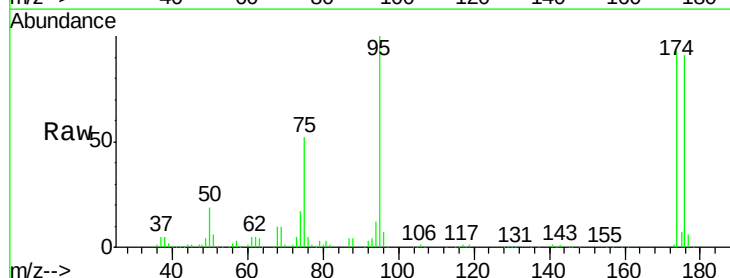
Tgt Ion: 95 Resp: 72822

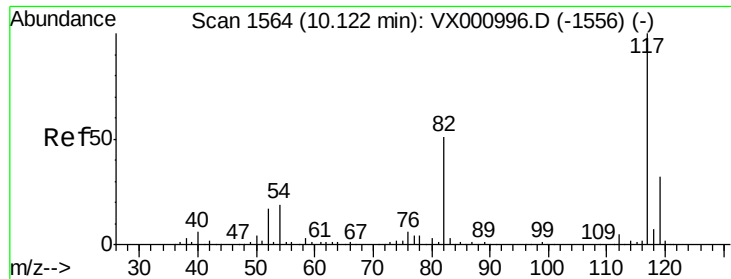
Ion Ratio Lower Upper

95 100

174 99.0 0.0 198.4

176 95.5 0.0 192.0





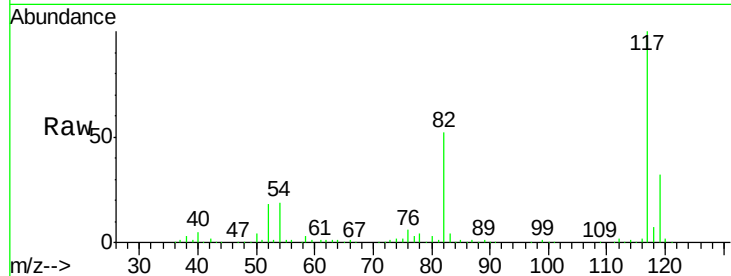
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

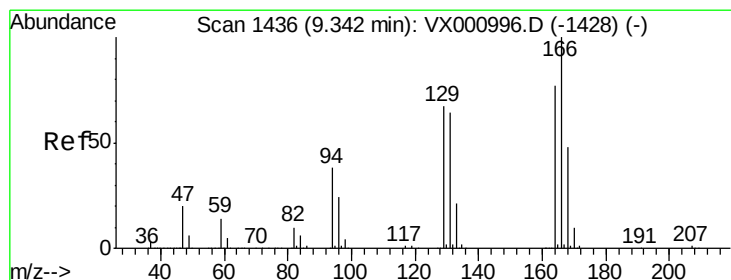
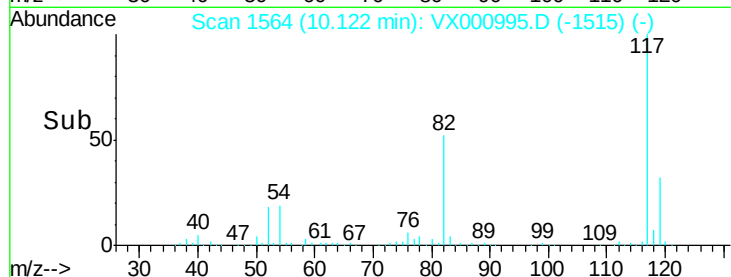
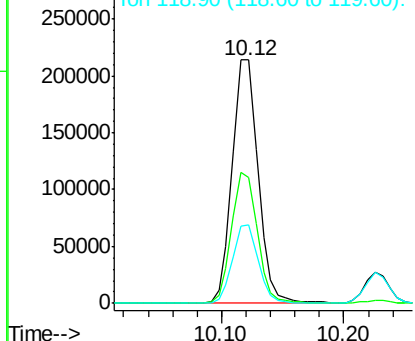
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	40.6	60.8
119	32.3	26.0	39.0

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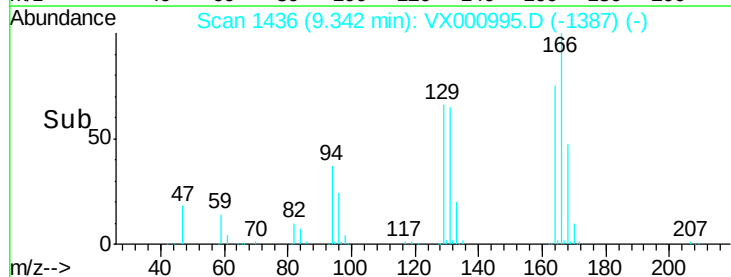
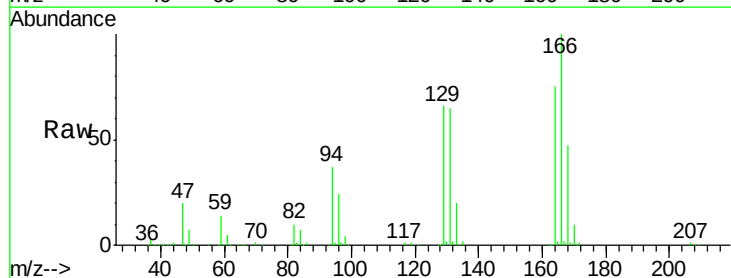
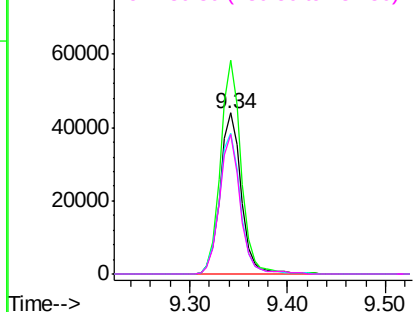
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

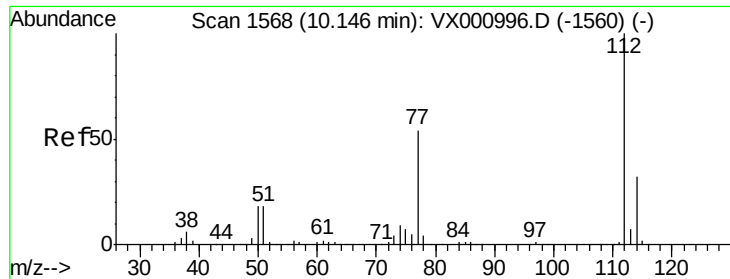


#64
Tetrachloroethene
Concen: 23.75 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	103.5	155.3
129	87.4	69.6	104.4
131	86.5	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: 23.98 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 165417

Ion Ratio Lower Upper

112 100

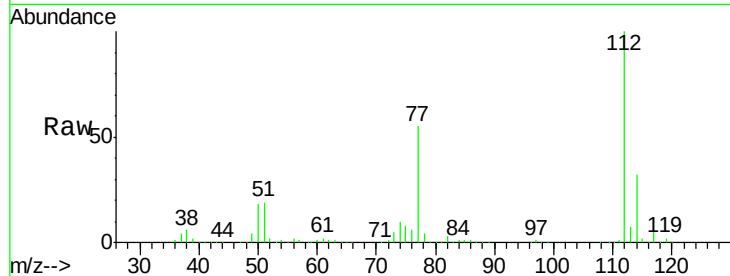
114 32.3 25.5 38.3

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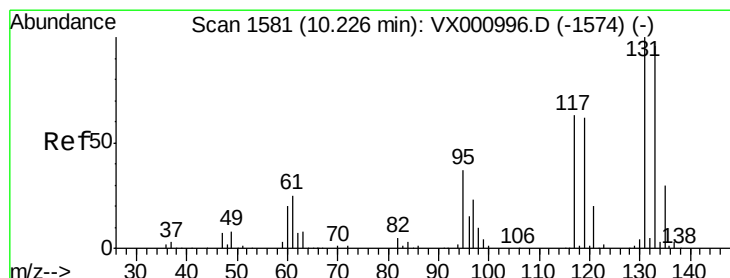
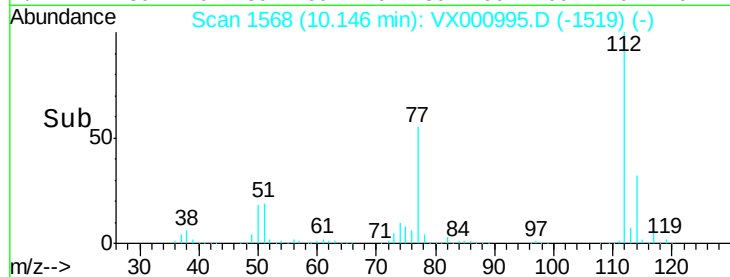
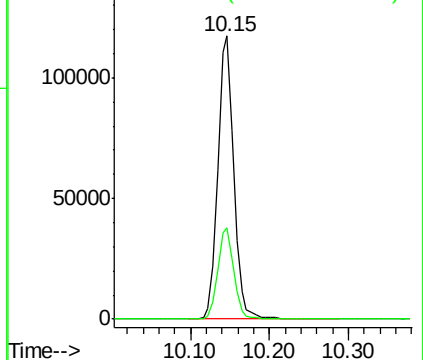
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 24.18 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

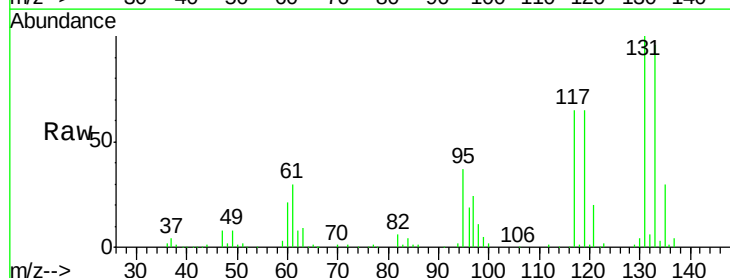
Tgt Ion:131 Resp: 58023

Ion Ratio Lower Upper

131 100

133 93.8 47.6 142.8

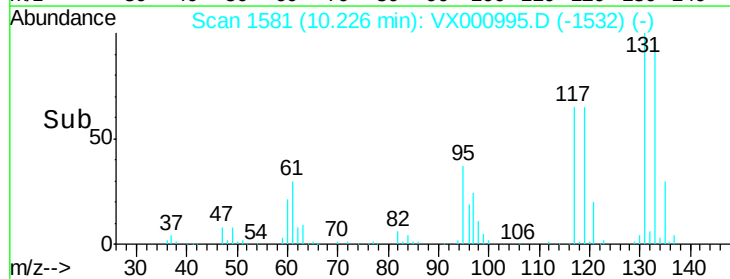
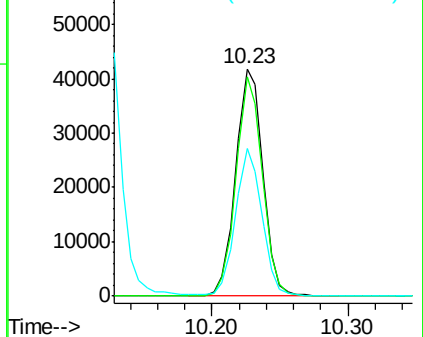
119 63.1 31.1 93.2

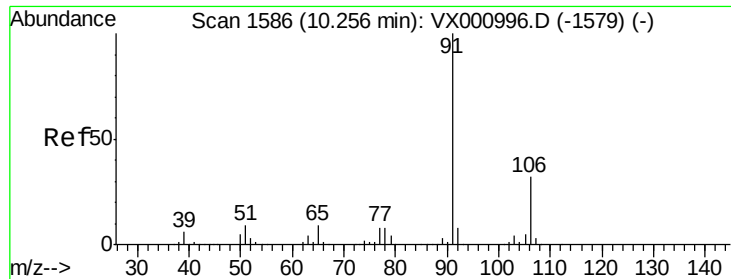


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 24.35 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 275400

Ion Ratio Lower Upper

91 100

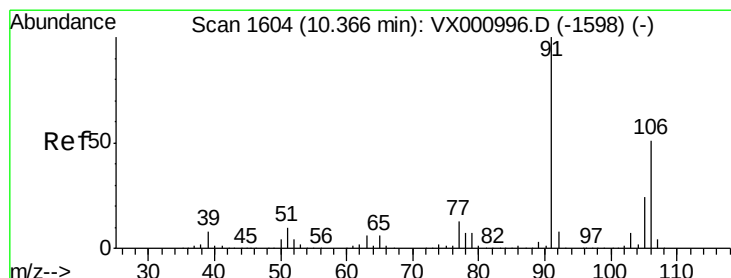
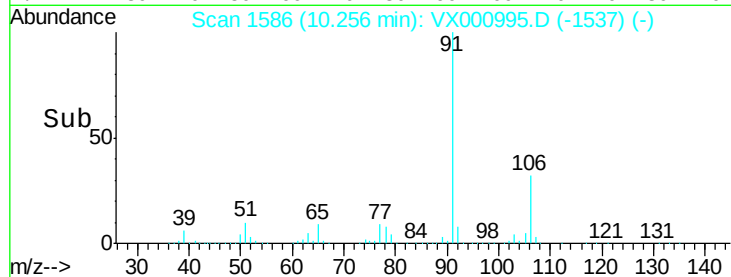
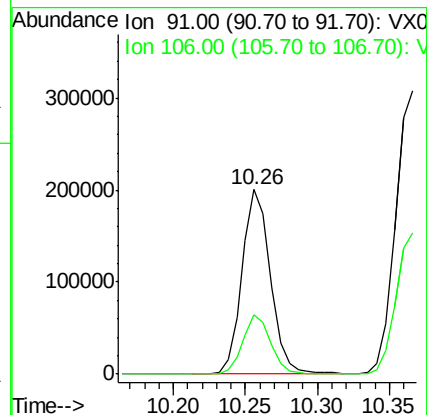
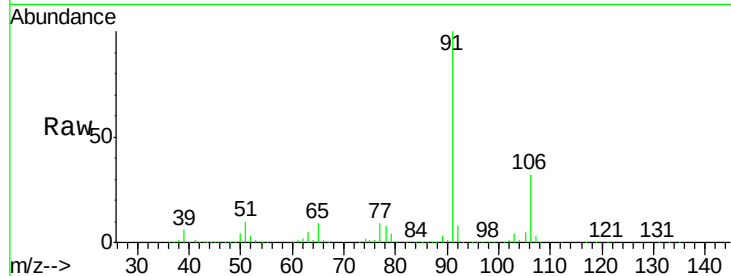
106 32.3 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 48.53 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000995.D

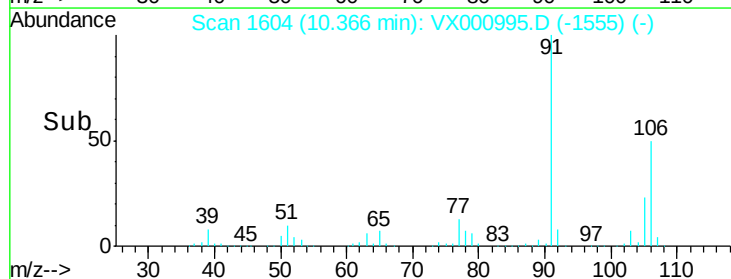
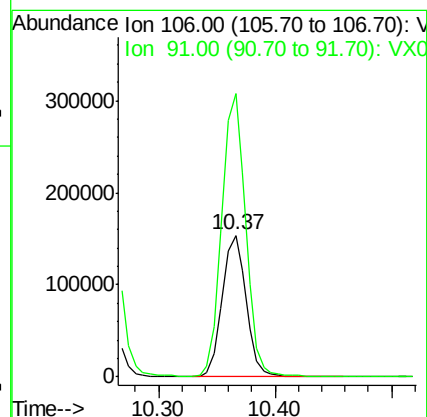
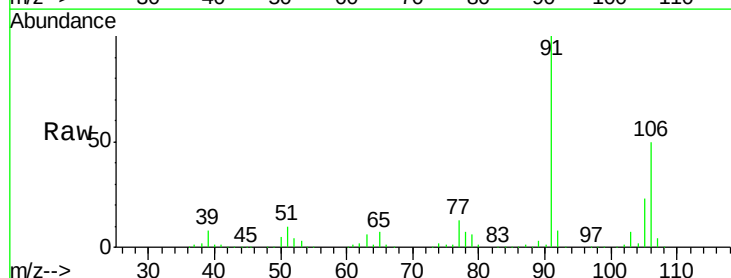
Acq: 19 Apr 2018 18:03

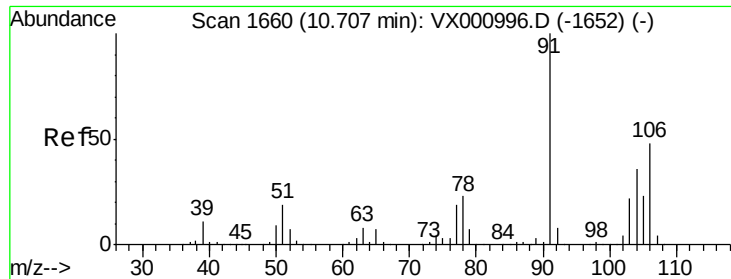
Tgt Ion: 106 Resp: 217543

Ion Ratio Lower Upper

106 100

91 199.8 159.3 238.9





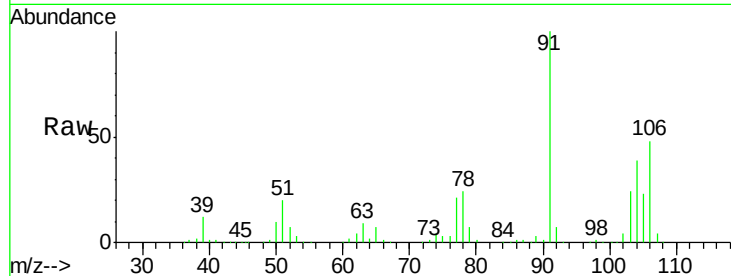
#69
o-Xylene
Concen: 23.91 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

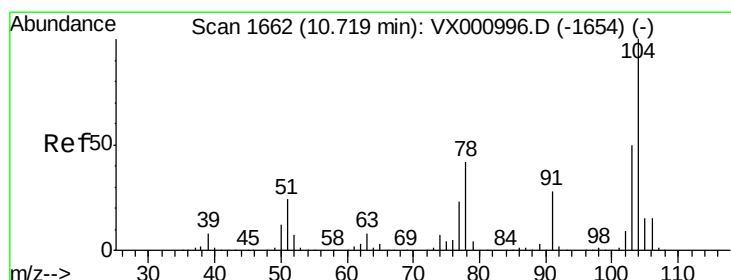
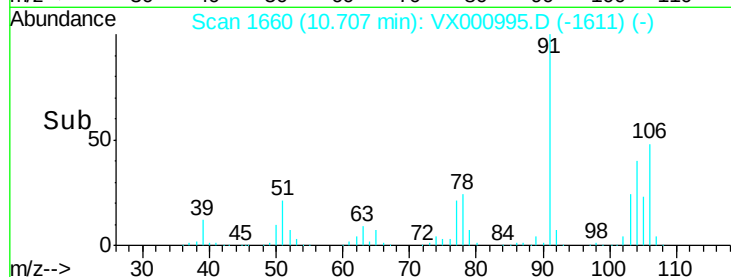
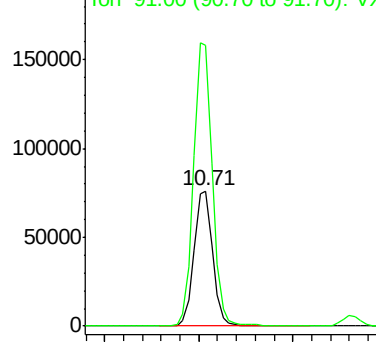
Tot Ion:106 Resp: 104336
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.1

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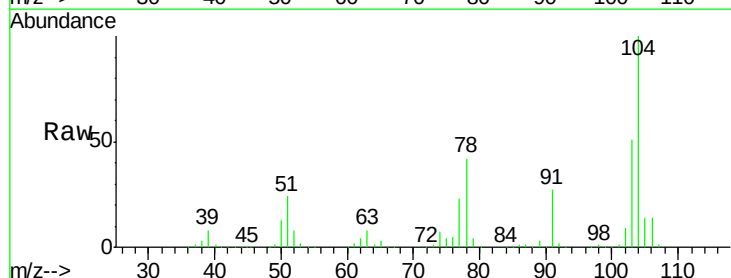


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

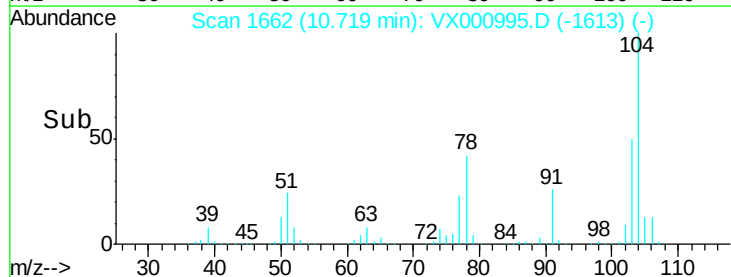
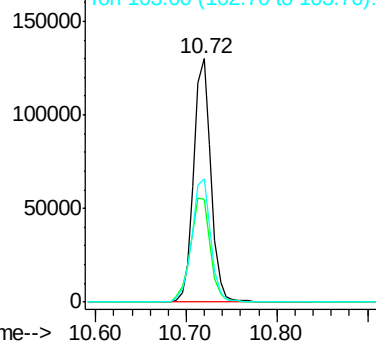


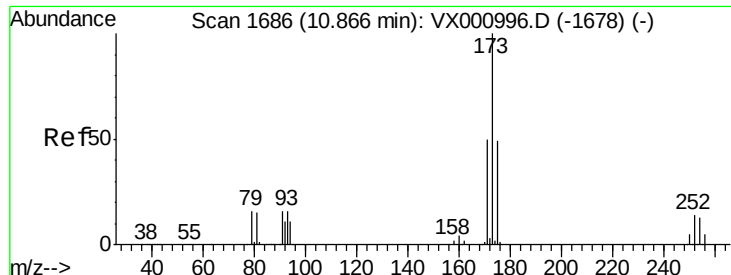
#70
Styrene
Concen: 23.98 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion:104 Resp: 173110
Ion Ratio Lower Upper
104 100
78 49.5 39.4 59.2
103 55.4 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.65 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

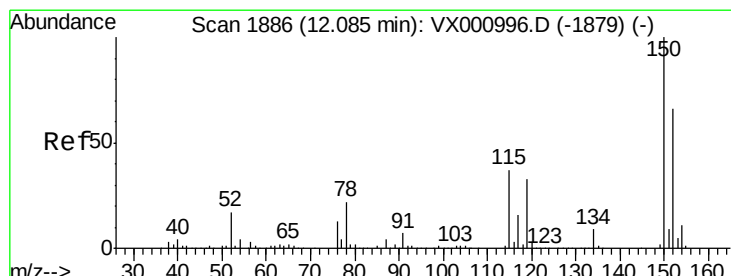
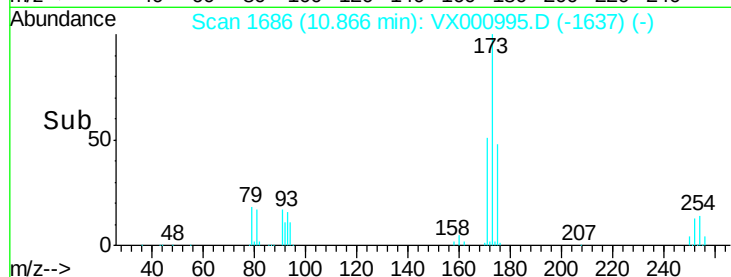
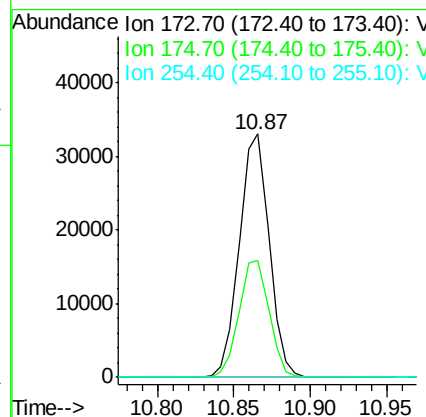
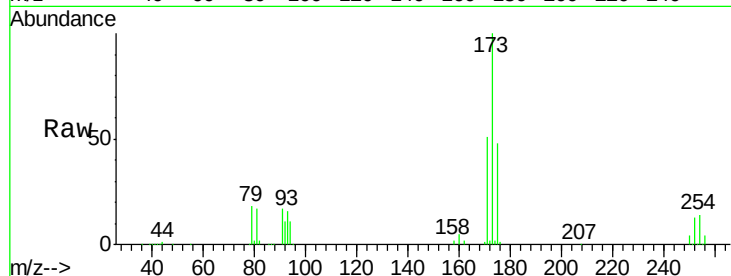
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

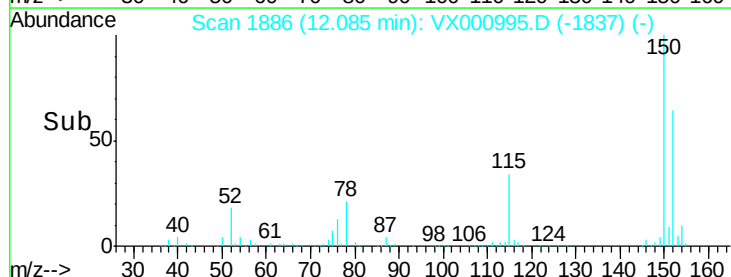
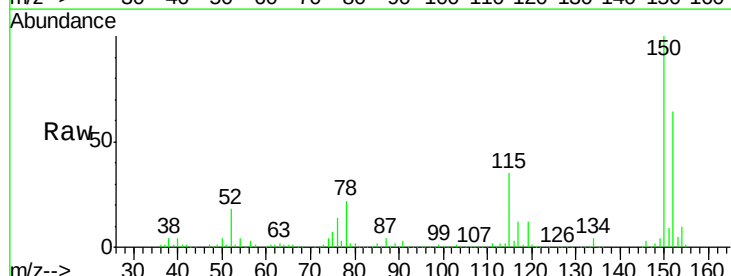
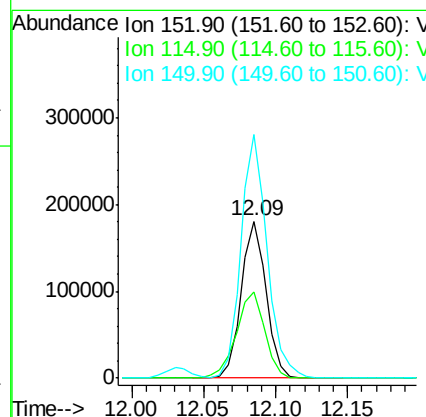
RT: 12.09 min Scan# 1886

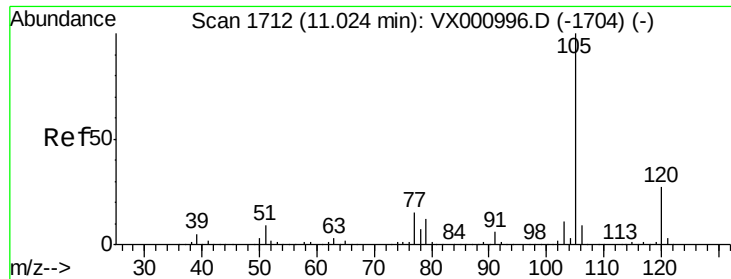
Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	38.2	114.6
150	163.6	0.0	350.4





#73

Isopropylbenzene

Concen: 23.80 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 283658

Ion Ratio Lower Upper

105 100

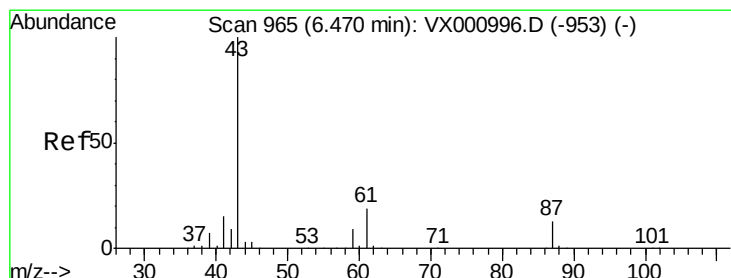
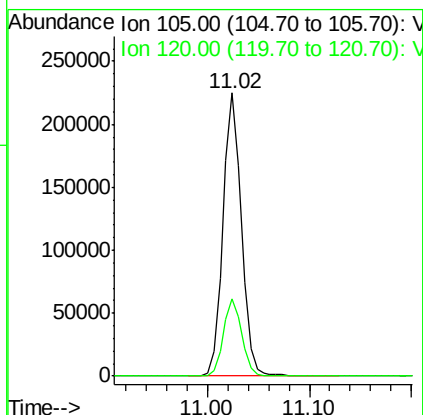
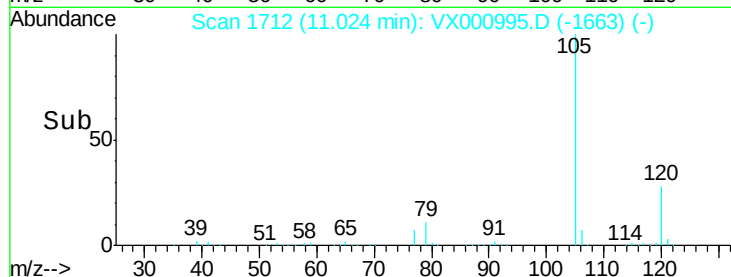
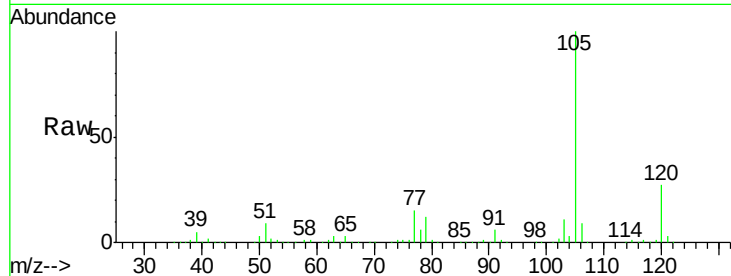
120 27.2 13.4 40.2

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#74

N-ethyl acetate

Concen: 24.30 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion: 43 Resp: 120918

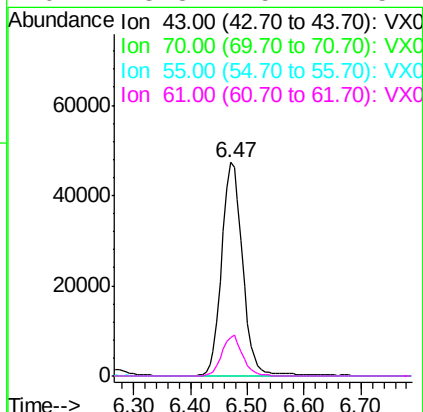
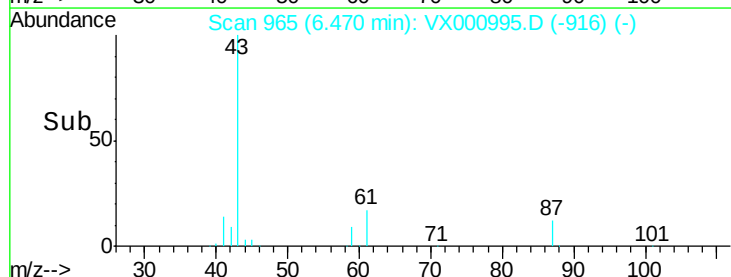
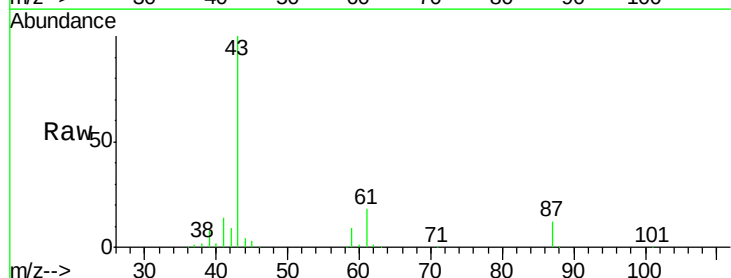
Ion Ratio Lower Upper

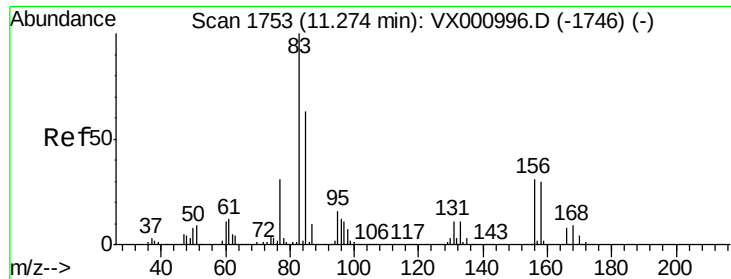
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 18.8 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 24.23 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 81482

Ion Ratio Lower Upper

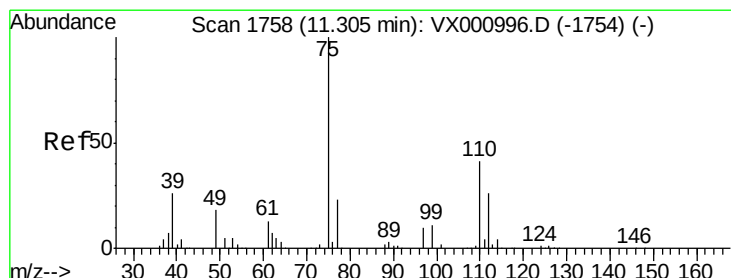
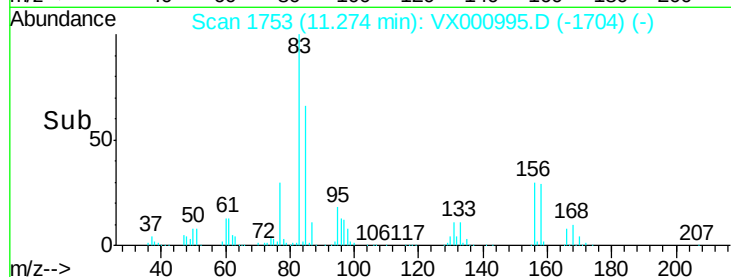
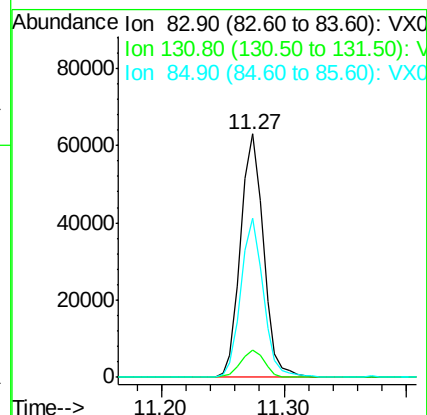
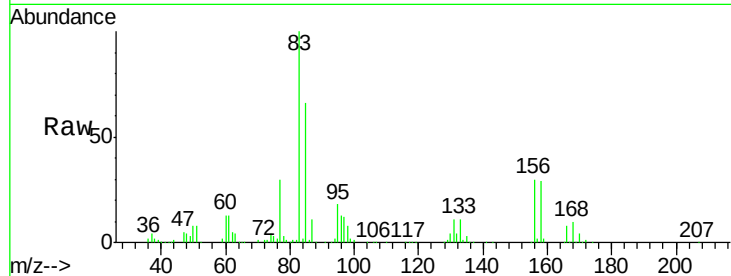
83 100

131 11.6 5.8 17.4

85 64.4 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 20.78 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000995.D

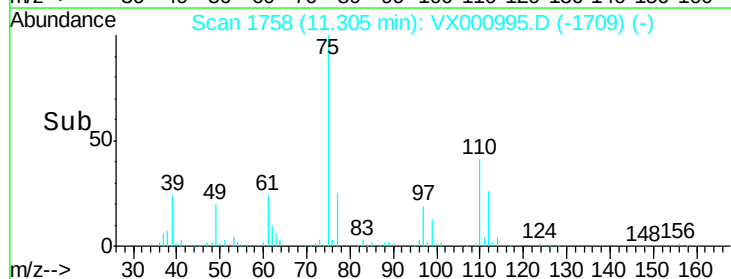
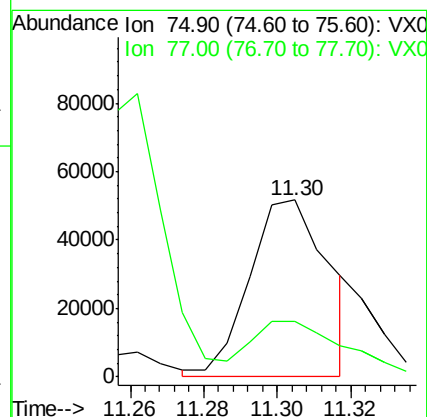
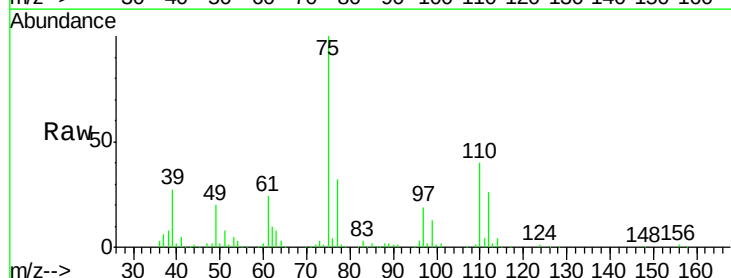
Acq: 19 Apr 2018 18:03

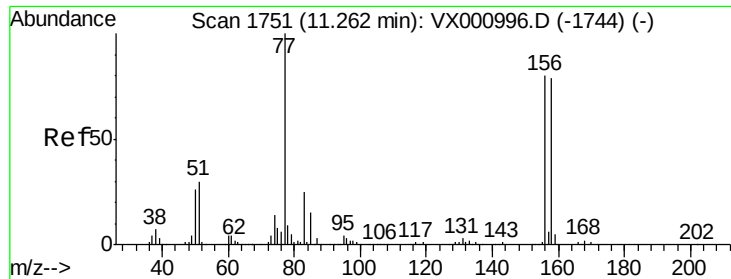
Tgt Ion: 75 Resp: 76957

Ion Ratio Lower Upper

75 100

77 37.4 19.6 58.7





#77

Bromobenzene

Concen: 23.34 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 81393

Ion Ratio Lower Upper

156 100

77 134.8 66.3 199.0

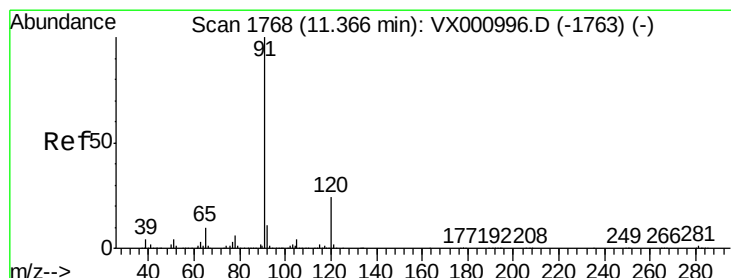
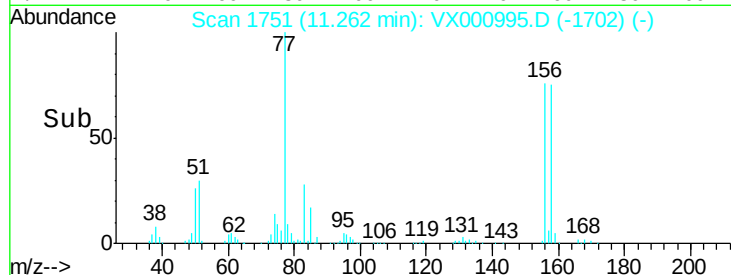
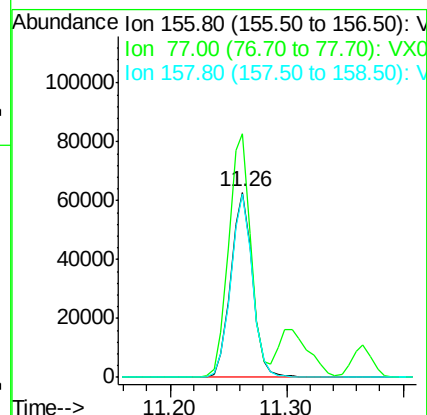
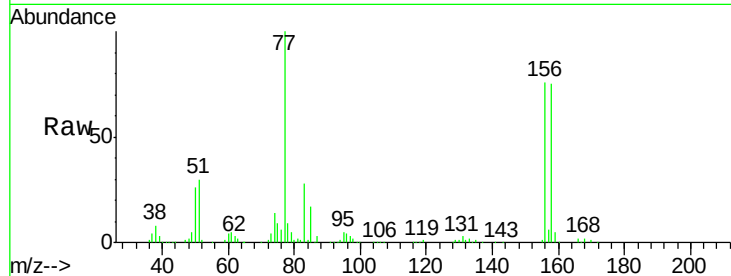
158 98.4 48.9 146.6

Manual Integrations

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#78

n-propylbenzene

Concen: 23.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000995.D

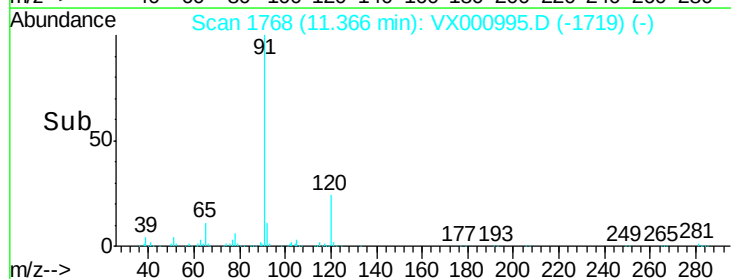
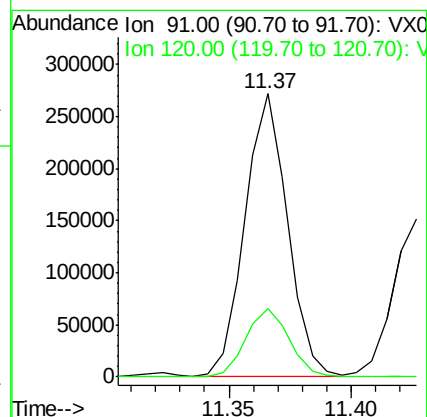
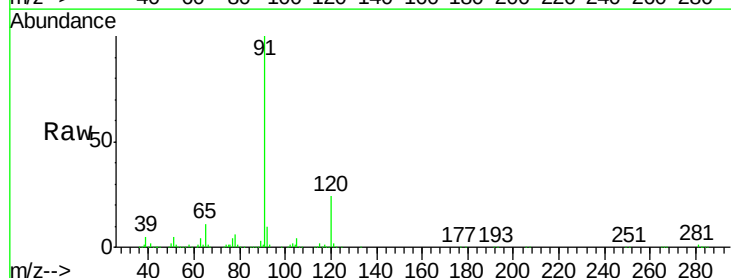
Acq: 19 Apr 2018 18:03

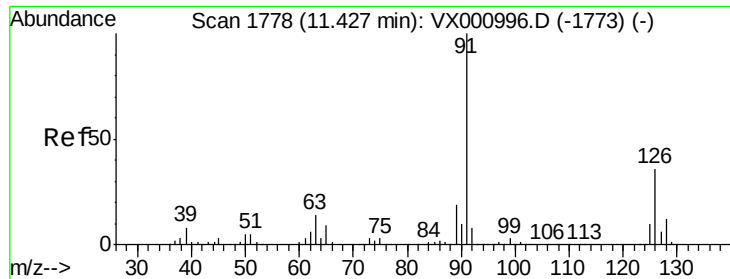
Tgt Ion: 91 Resp: 325148

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.0





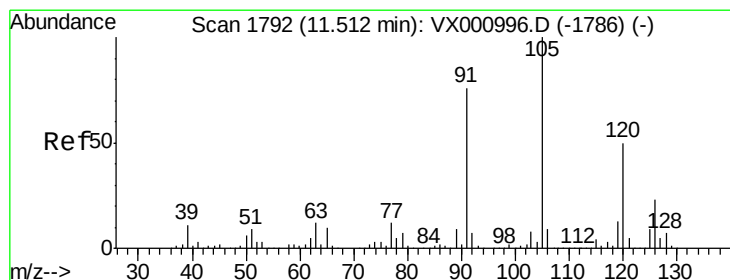
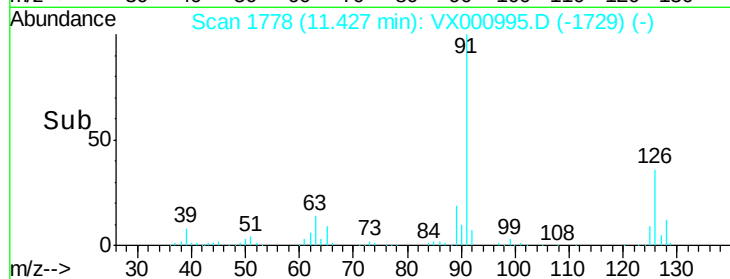
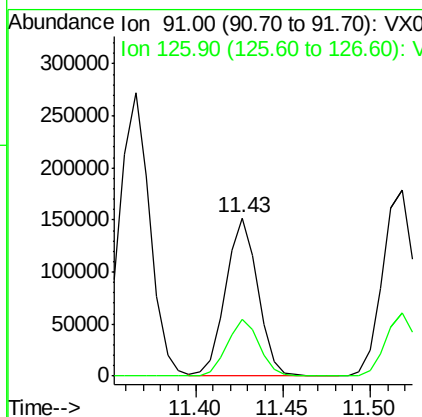
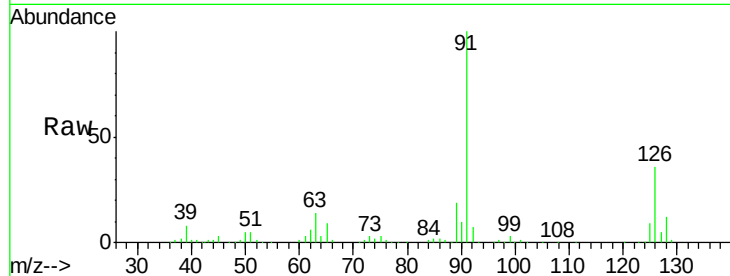
#79
 2-Chlorotoluene
 Concen: 23.62 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 192600
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.3 54.9

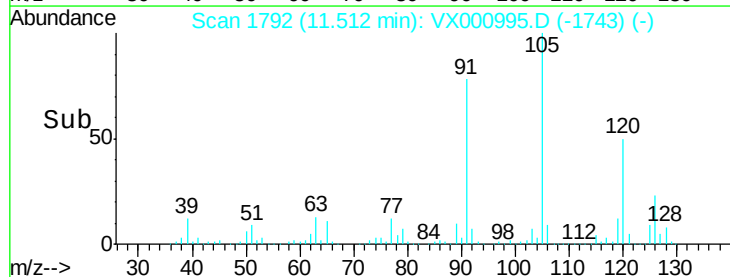
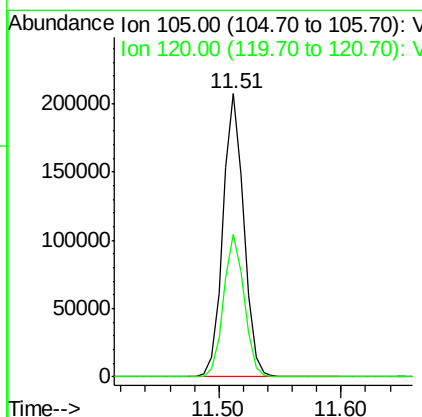
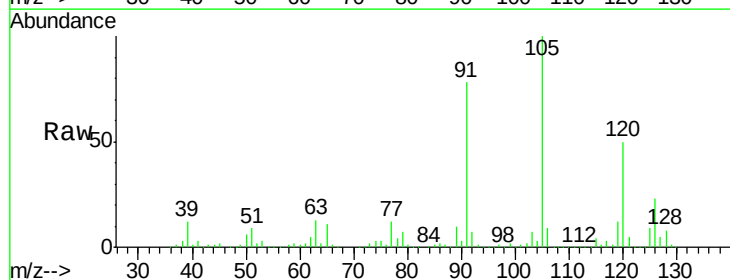
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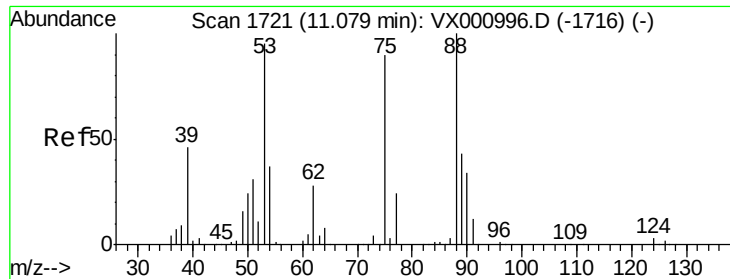
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 24.01 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion: 105 Resp: 243080
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.0 75.0





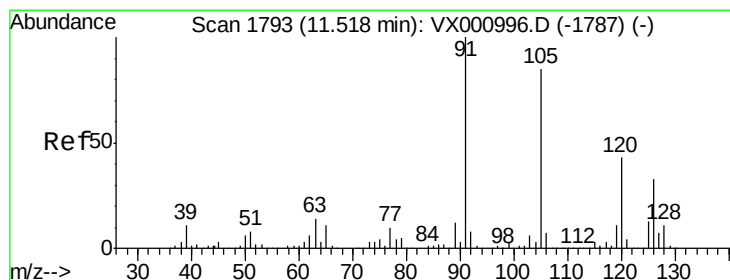
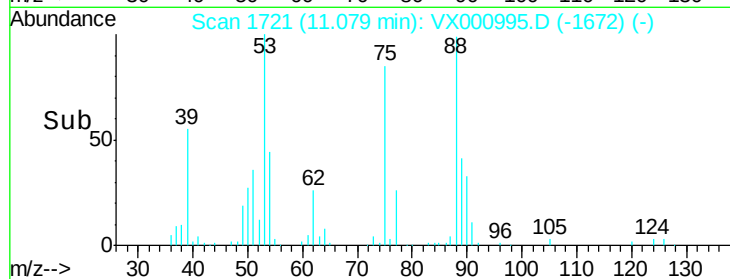
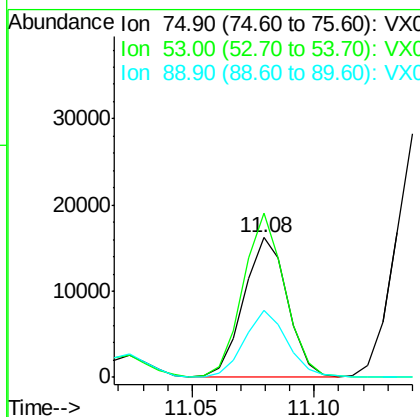
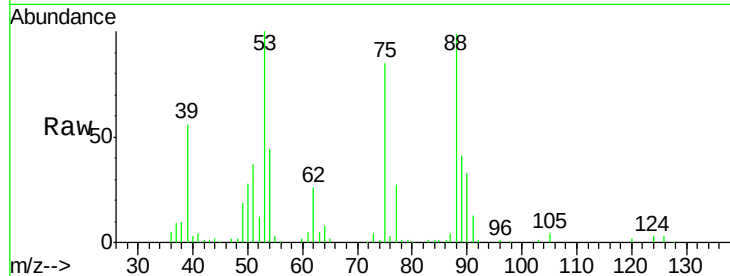
#81
trans-1,4-Dichloro-2-butene
Concen: 21.20 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.1	83.4	125.2
89	48.2	39.7	59.5

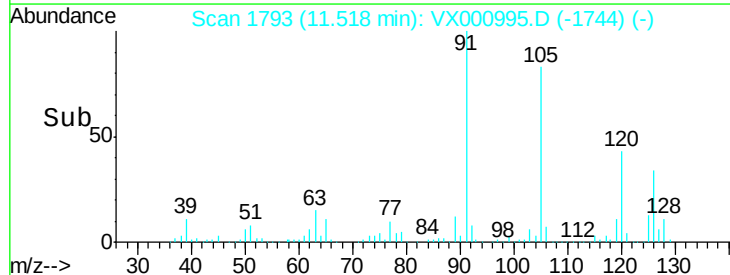
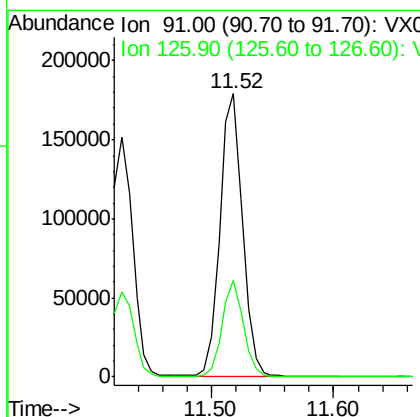
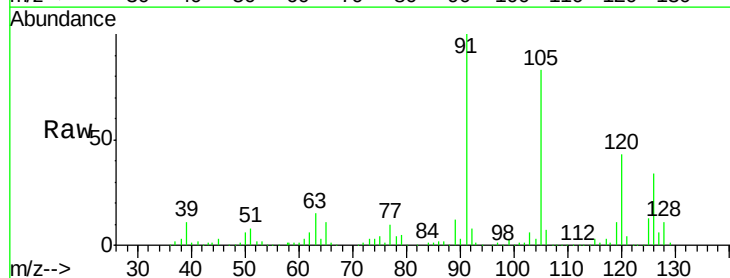
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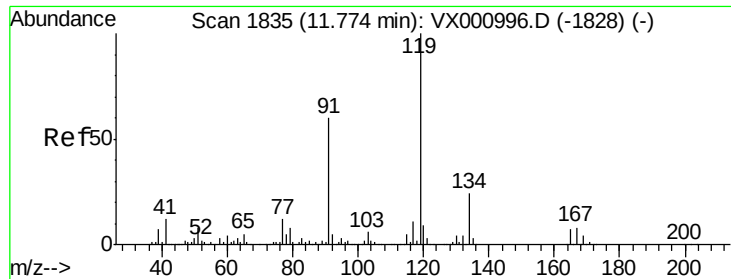
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#82
4-Chlorotoluene
Concen: 23.41 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





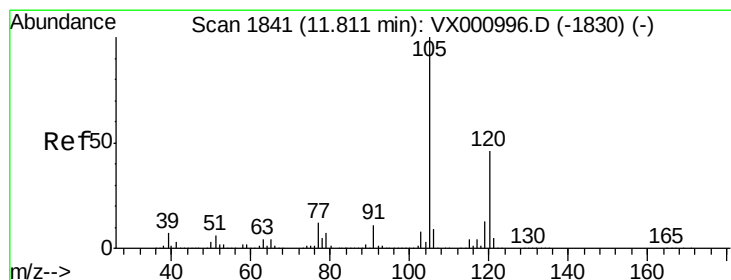
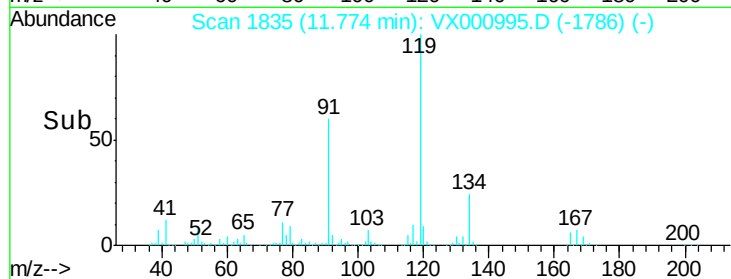
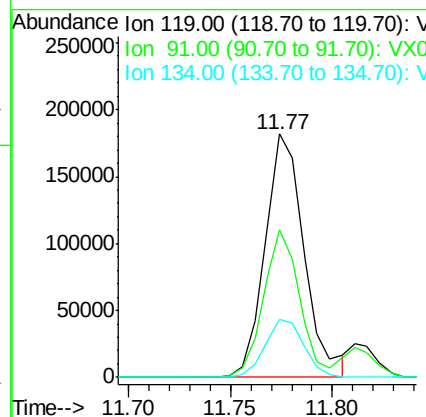
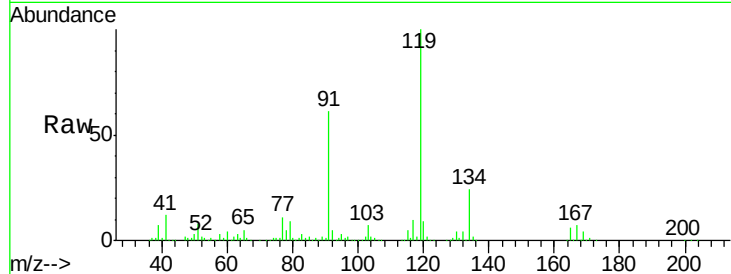
#83
 tert-Butylbenzene
 Concen: 23.39 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243389		
91	55.8	27.0	81.0	
134	23.6	11.6	34.7	

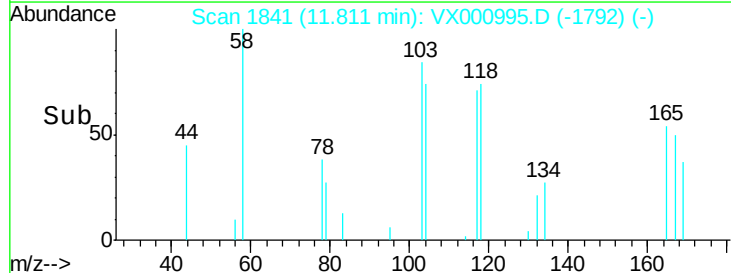
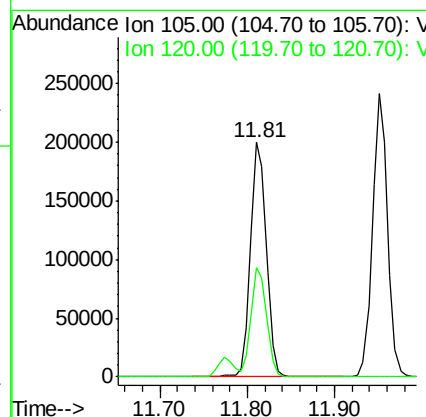
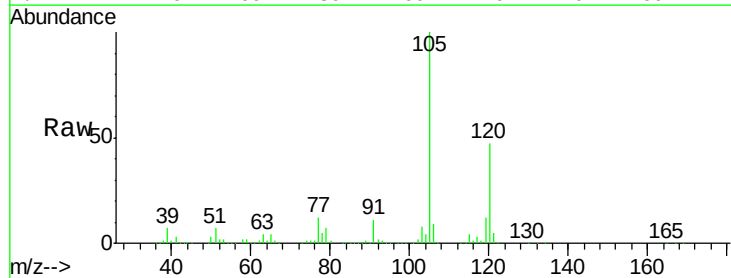
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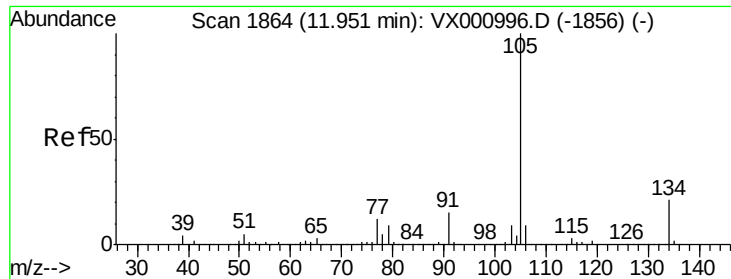
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.20 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249607		
120	45.6	23.0	69.0	





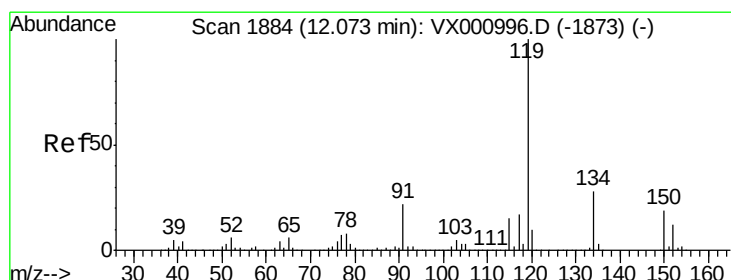
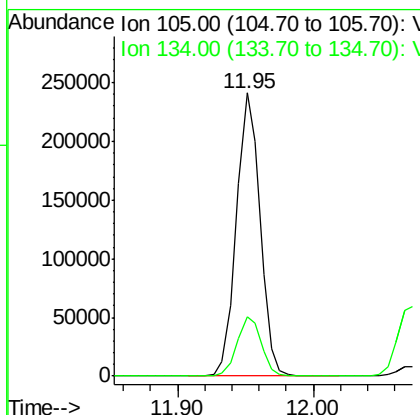
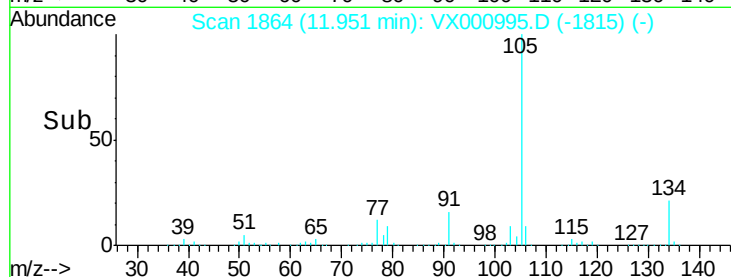
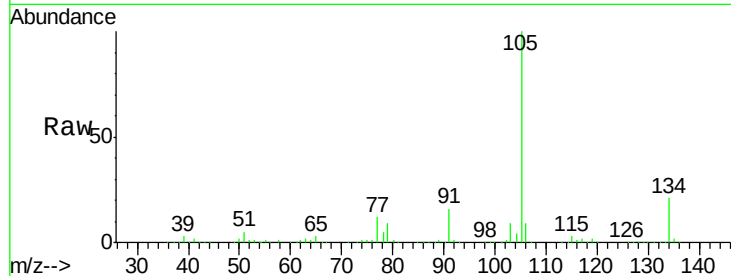
#85
 sec-Butylbenzene
 Concen: 23.36 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:105 Resp: 291872
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6

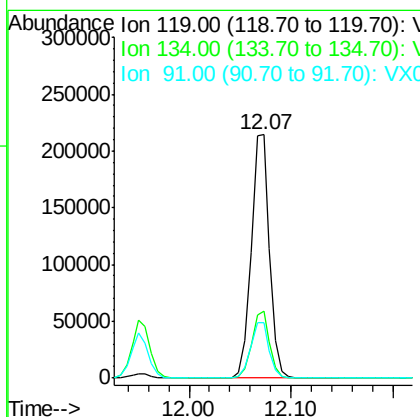
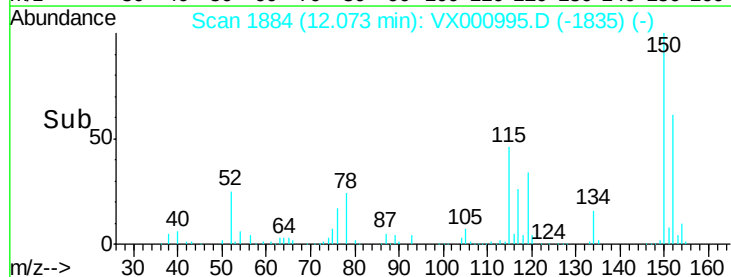
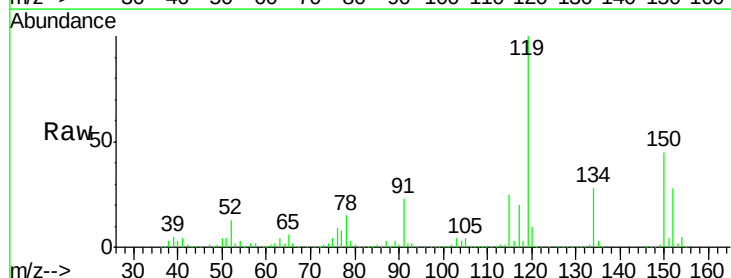
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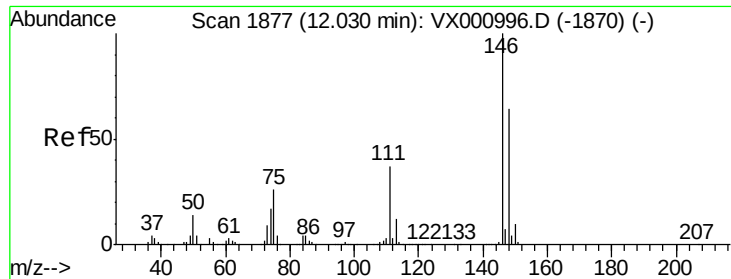
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#86
 p-Isopropyltoluene
 Concen: 23.33 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion:119 Resp: 268730
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.5
 91 23.2 11.4 34.1





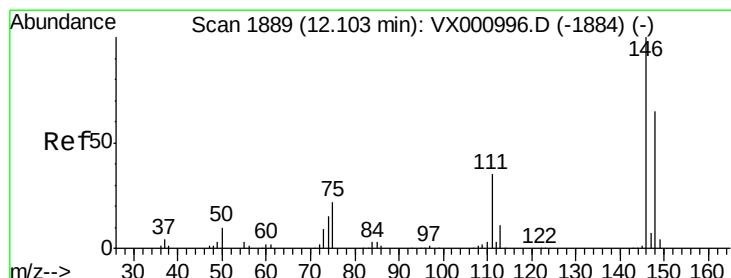
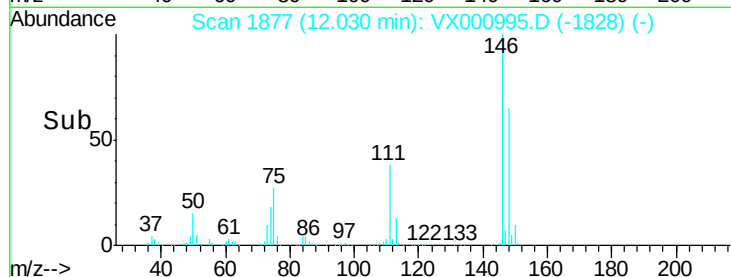
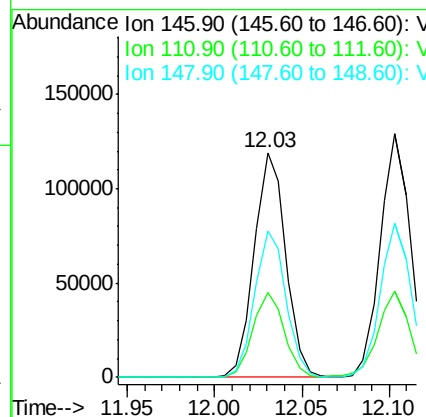
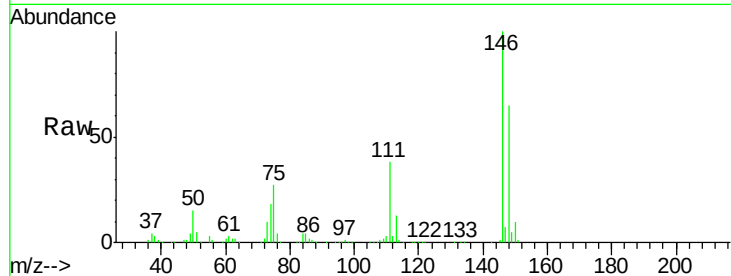
#87
 1,3-Dichlorobenzene
 Concen: 22.94 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.8
148	64.7	32.2	96.6

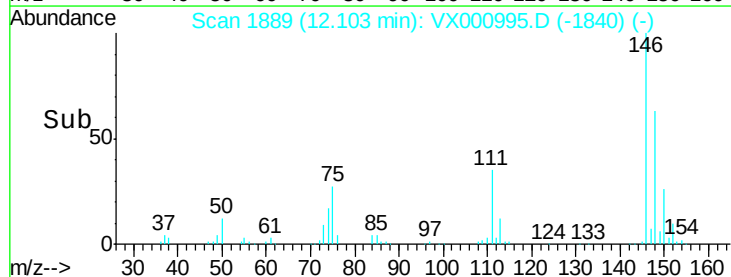
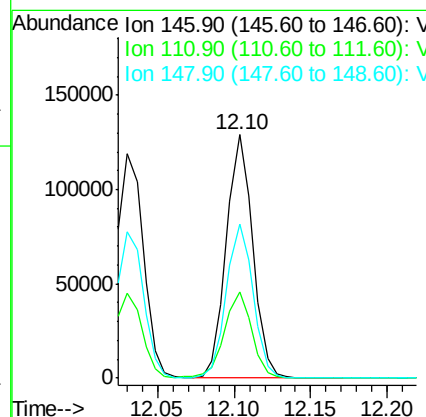
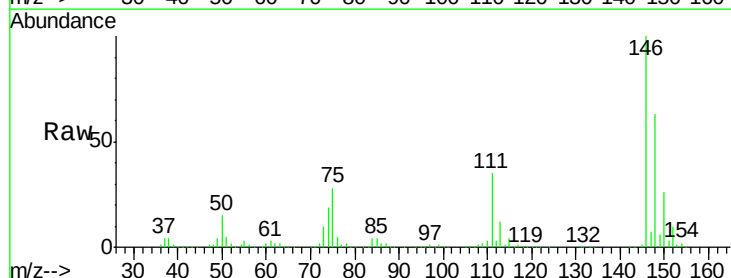
Manual Integrations
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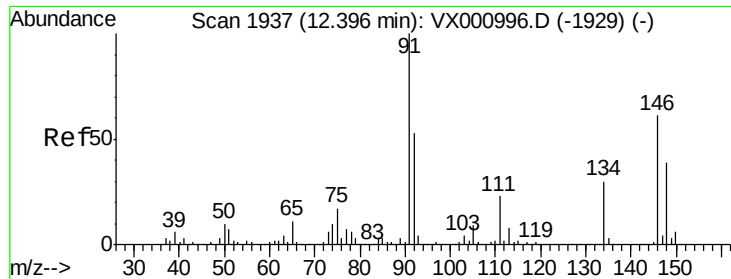
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#88
 1,4-Dichlorobenzene
 Concen: 23.25 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.0	54.0
148	64.2	32.4	97.0





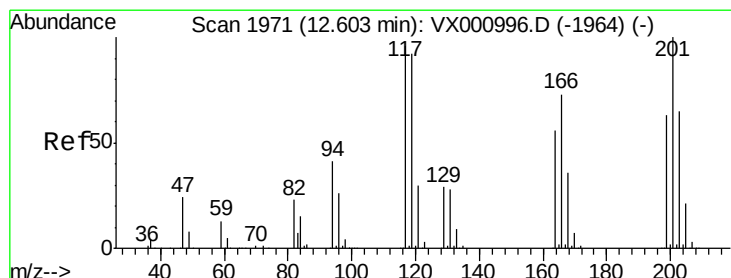
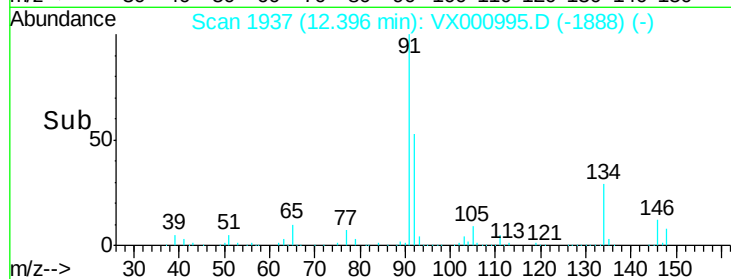
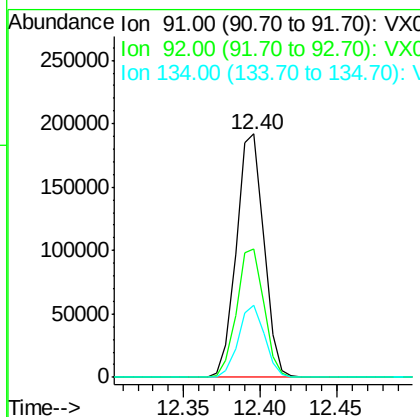
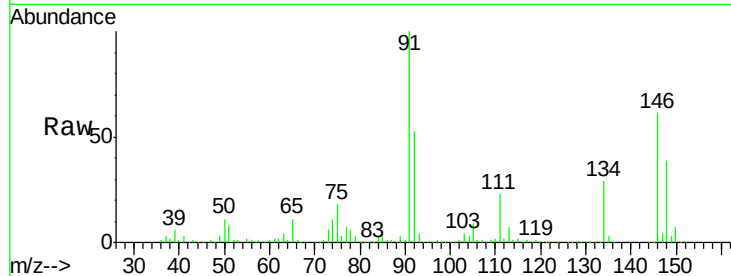
#89
n-Butylbenzene
Concen: 23.03 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	28.1	14.4	43.0

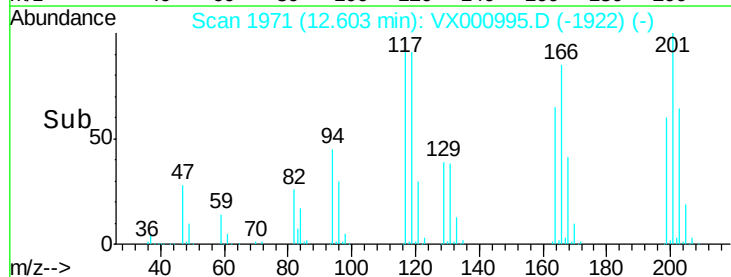
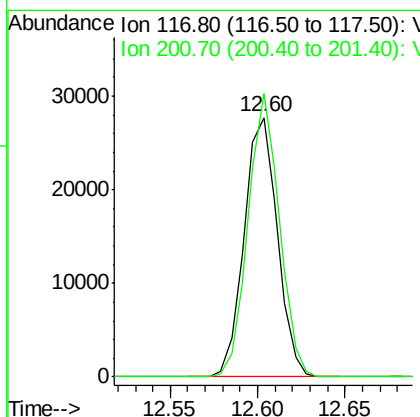
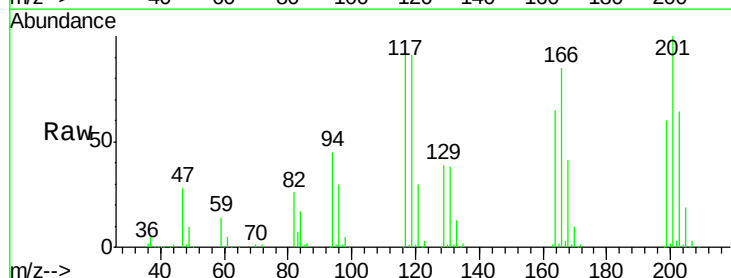
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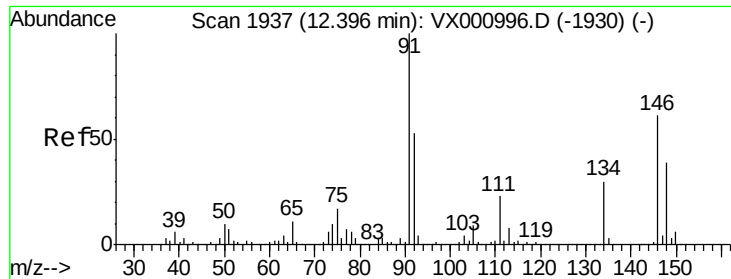
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#90
Hexachloroethane
Concen: 21.96 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000995.D
Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.9	52.3	157.1





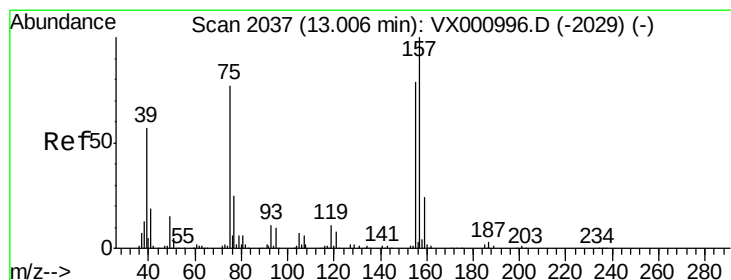
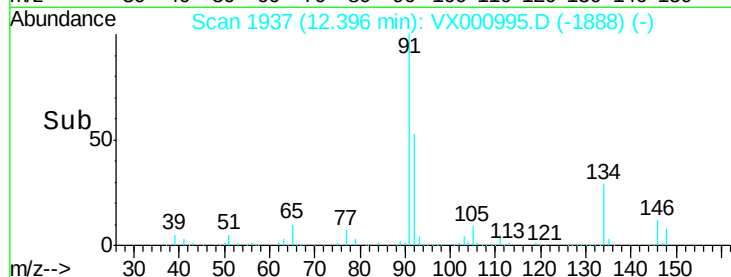
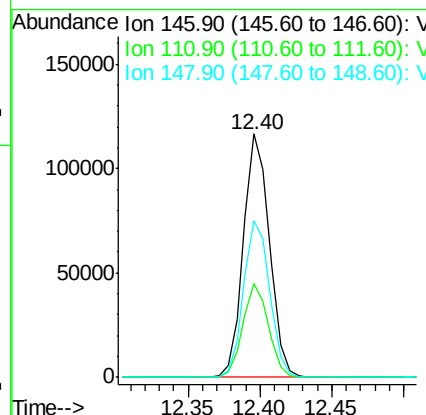
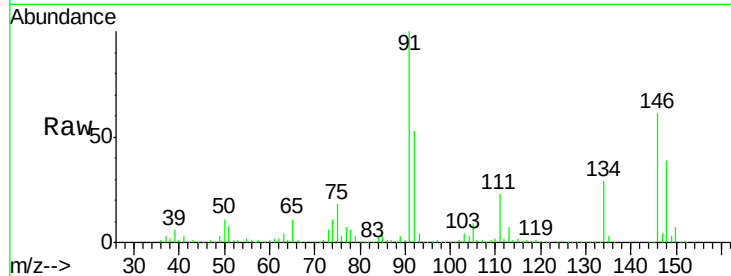
#91
 1,2-Dichlorobenzene
 Concen: 23.16 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	64.5	32.3	96.8

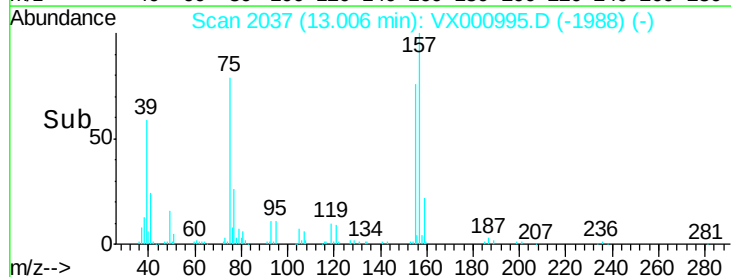
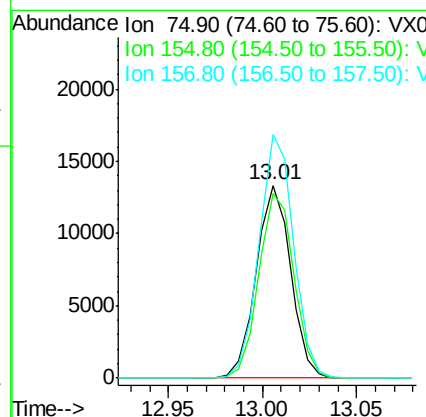
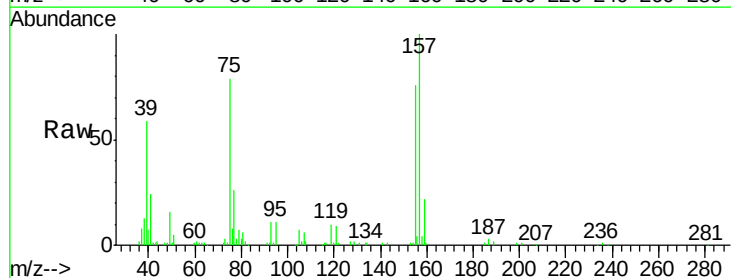
Manual Integrations
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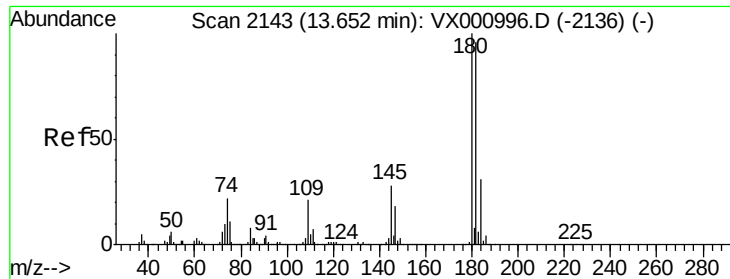
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.11 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	51.0	153.0
157	126.1	64.9	194.7





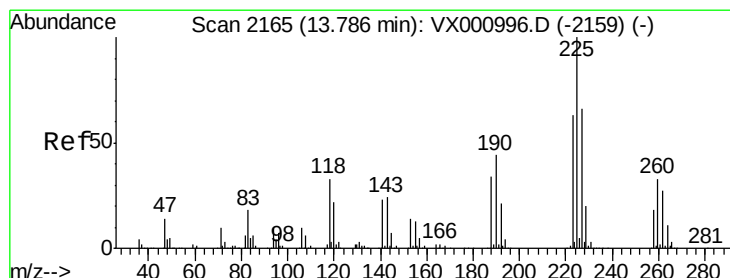
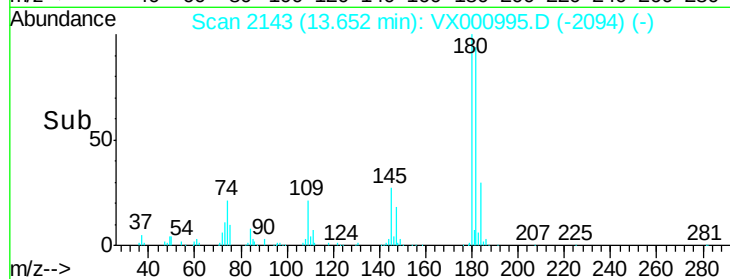
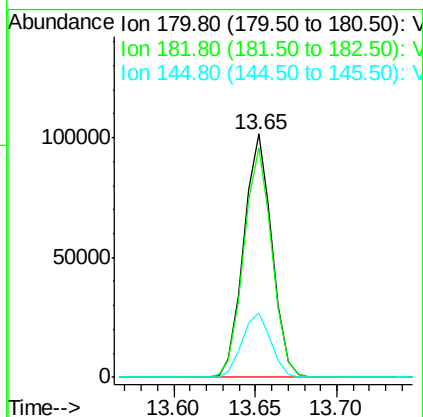
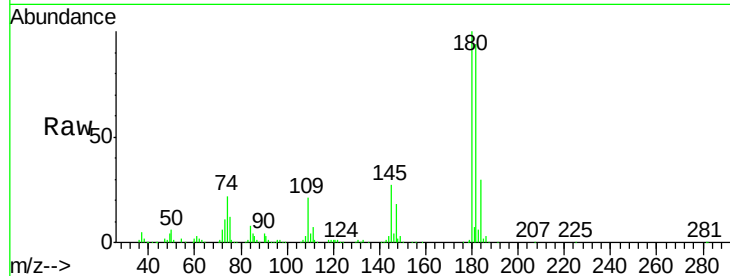
#93
 1,2,4-Trichlorobenzene
 Concen: 21.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122076		
182	94.8	48.0	144.0	
145	26.9	13.9	41.7	

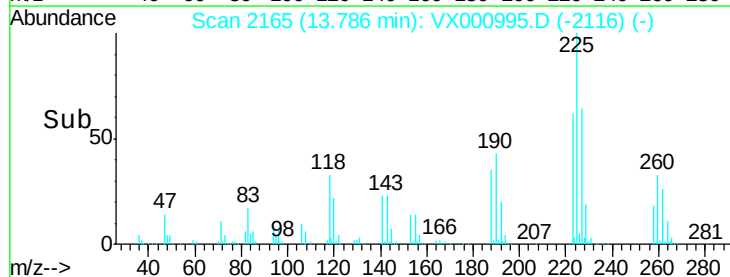
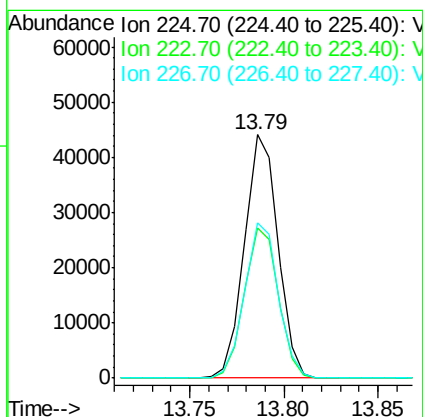
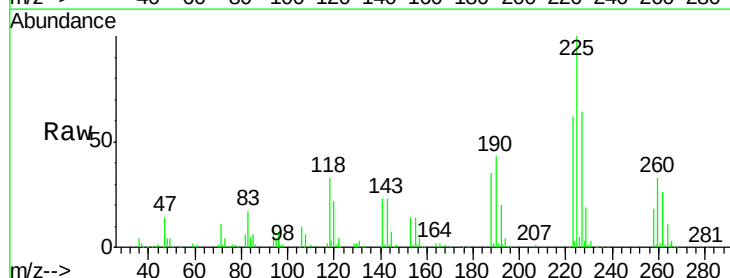
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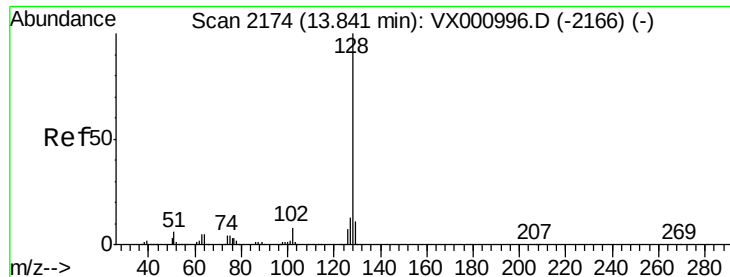
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 4/20/2018 2:09:30 PM



#94
 Hexachlorobutadiene
 Concen: 21.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000995.D
 Acq: 19 Apr 2018 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54545		
223	62.5	31.5	94.5	
227	64.3	32.6	97.8	





#95

Naphthalene

Concen: 23.72 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Instrument :

MSVOA_X

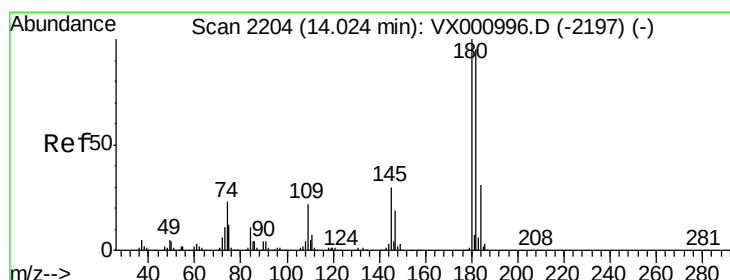
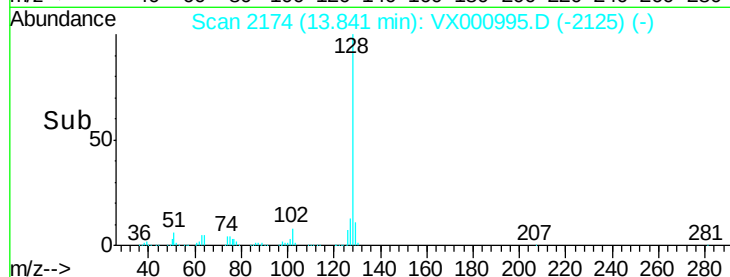
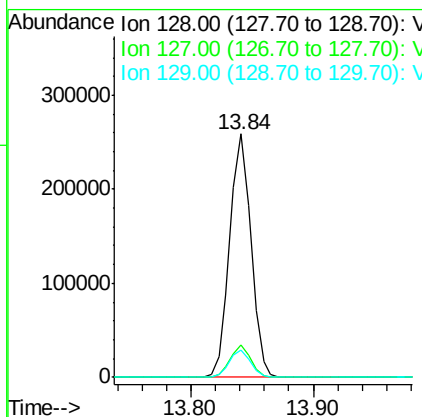
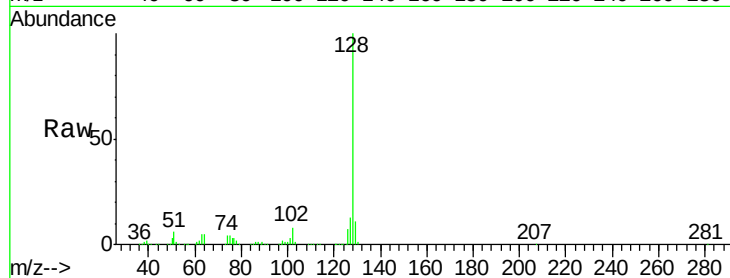
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	310797
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/20/2018 2:09:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.71 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX000995.D

Acq: 19 Apr 2018 18:03

Tgt Ion:	180	Resp:	118332
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	29.5	14.5	43.6

