

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008443.D
 Acq On : 26 Mar 2019 04:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:47:26 AM

Quant Time: Mar 26 07:31:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	189371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	146572	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	5.49	113	109138	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	8.71	98	436363	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.13	95	162382	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	101094	45.289	ug/l	99
3) Chloromethane	1.32	50	131128	46.505	ug/l	99
4) Vinyl Chloride	1.40	62	143249	45.962	ug/l	99
5) Bromomethane	1.64	94	40474	25.656	ug/l	98
6) Chloroethane	1.71	64	97976	53.065	ug/l	99
7) Trichlorofluoromethane	1.92	101	164177	46.511	ug/l	98
8) Diethyl Ether	2.18	74	78163	46.790	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99172	46.489	ug/l	100
10) Methyl Iodide	2.51	142	38044	20.944	ug/l	99
11) Tert butyl alcohol	3.05	59	163820	257.549	ug/l	100
12) 1,1-Dichloroethene	2.37	96	103699	47.069	ug/l	97
13) Acrolein	2.29	56	118912	257.435	ug/l	99
14) Allyl chloride	2.73	41	226490	46.663	ug/l	99
15) Acrylonitrile	3.14	53	401786	240.894	ug/l	100
16) Acetone	2.44	43	344335	229.481	ug/l	99
17) Carbon Disulfide	2.57	76	308900	42.267	ug/l	99
18) Methyl Acetate	2.77	43	173741	48.211	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	388416	48.924	ug/l	99
20) Methylene Chloride	2.85	84	124180	50.717	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	109631	49.939	ug/l	96
22) Diisopropyl ether	3.85	45	459850	48.116	ug/l	99
23) Vinyl Acetate	3.81	43	2061374	247.225	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232156	48.116	ug/l	99
25) 2-Butanone	4.67	43	586484	243.803	ug/l	99
26) 2,2-Dichloropropane	4.58	77	119927	37.370	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	128475	47.689	ug/l	98
28) Bromochloromethane	5.01	49	112092	47.023	ug/l	100
29) Tetrahydrofuran	5.13	42	385669	243.257	ug/l	100
30) Chloroform	5.21	83	210230	48.280	ug/l	99
31) Cyclohexane	5.58	56	215791	46.893	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	170140	48.883	ug/l	99
36) 1,1-Dichloropropene	5.80	75	161557	45.597	ug/l	99
37) Ethyl Acetate	4.83	43	223465	48.685	ug/l	100
38) Carbon Tetrachloride	5.78	117	139775	47.271	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192513	45.465	ug/l	99
40) Benzene	6.14	78	498674	47.013	ug/l	100
41) Methacrylonitrile	5.04	41	126165	48.911	ug/l	99
42) 1,2-Dichloroethane	6.19	62	178896	46.064	ug/l	100
43) Isopropyl Acetate	6.45	43	356947	48.618	ug/l	100
44) Trichloroethene	7.21	130	114431	45.946	ug/l	98
45) 1,2-Dichloropropane	7.51	63	142665	47.319	ug/l	98
46) Dibromomethane	7.66	93	83247	47.283	ug/l	99
47) Bromodichloromethane	7.90	83	163533	48.527	ug/l	100
48) Methyl methacrylate	7.77	41	179994	48.997	ug/l	100
49) 1,4-Dioxane	7.74	88	71441	978.073	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1184333	248.363	ug/l	100
52) Toluene	8.78	92	299754	47.262	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	176024	47.689	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	198141	47.207	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	122401	47.410	ug/l	99
56) Ethyl methacrylate	9.18	69	229667	49.281	ug/l	100
57) 1,3-Dichloropropane	9.37	76	217175	46.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	567509	235.579	ug/l	100
59) 2-Hexanone	9.49	43	932291	252.315	ug/l	100
60) Dibromochloromethane	9.58	129	120106	48.917	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125416	47.601	ug/l	99
64) Tetrachloroethene	9.34	164	94543	46.812	ug/l	99
65) Chlorobenzene	10.13	112	308072	47.486	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	108840	48.627	ug/l	100
67) Ethyl Benzene	10.25	91	579651	47.342	ug/l	100
68) m/p-Xylenes	10.36	106	421596	94.650	ug/l	100
69) o-Xylene	10.69	106	205792	47.609	ug/l	99
70) Styrene	10.71	104	366056	49.026	ug/l	99
71) Bromoform	10.85	173	87302	49.389	ug/l	99
73) Isopropylbenzene	11.02	105	545532	46.791	ug/l	100
74) N-amyl acetate	10.90	43	337636	50.032	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	213918	47.289	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	179671m	42.171	ug/l	
77) Bromobenzene	11.26	156	130668	46.178	ug/l	100
78) n-propylbenzene	11.36	91	646944	47.368	ug/l	100
79) 2-Chlorotoluene	11.42	91	384694	46.309	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	464382	47.113	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61569	46.285	ug/l	99
82) 4-Chlorotoluene	11.51	91	444648	46.403	ug/l	100
83) tert-Butylbenzene	11.77	119	443628	46.650	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	465903	46.732	ug/l	99
85) sec-Butylbenzene	11.94	105	530031	46.802	ug/l	100
86) p-Isopropyltoluene	12.06	119	476216	47.655	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	233192	46.124	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	232858	45.637	ug/l	100
89) n-Butylbenzene	12.38	91	442564	46.752	ug/l	100
90) Hexachloroethane	12.60	117	79117	47.524	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	237179	46.846	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47417	48.073	ug/l	99

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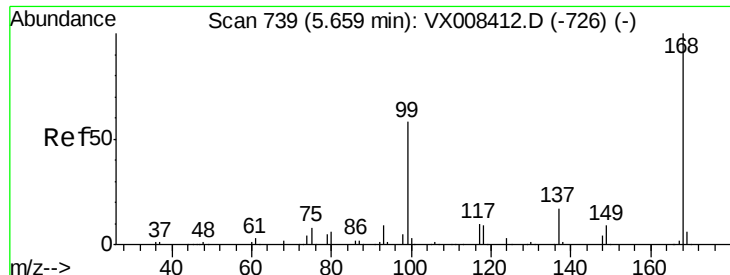
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	158471	46.491	ug/l	100
94) Hexachlorobutadiene	13.78	225	74213	45.852	ug/l	99
95) Naphthalene	13.83	128	562230	48.110	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	159379	46.531	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 189371

Ion Ratio Lower Upper

168 100

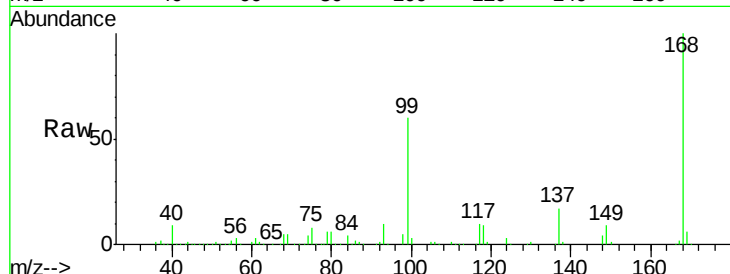
99 59.4 46.0 69.0

Manual Integrations

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3/26/2019 9:47:26 AM

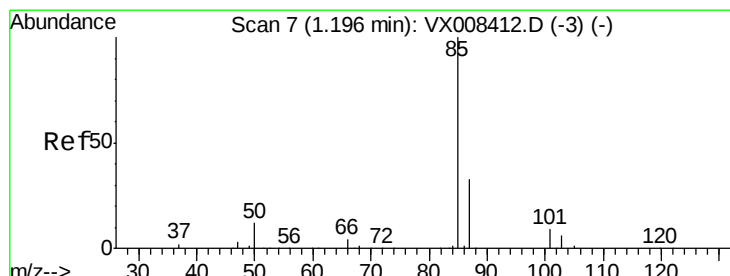
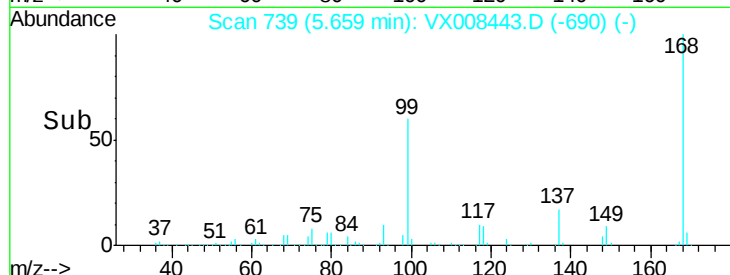


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 45.289 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008443.D

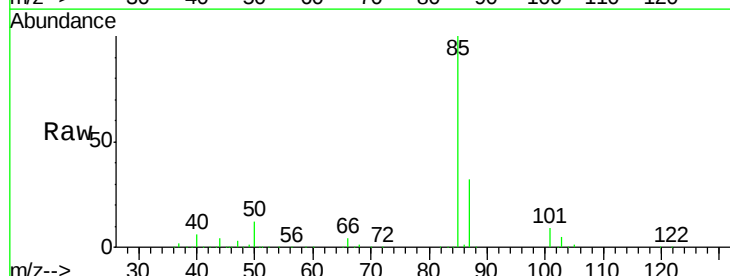
Acq: 26 Mar 2019 04:21

Tgt Ion: 85 Resp: 101094

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1

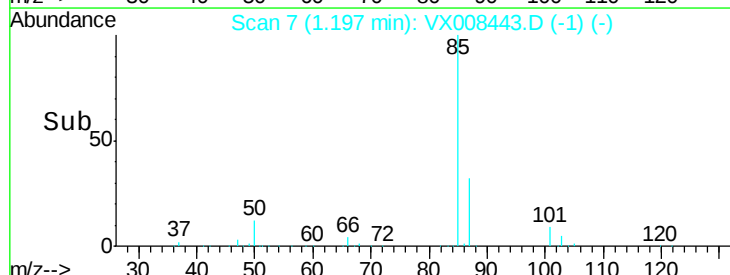


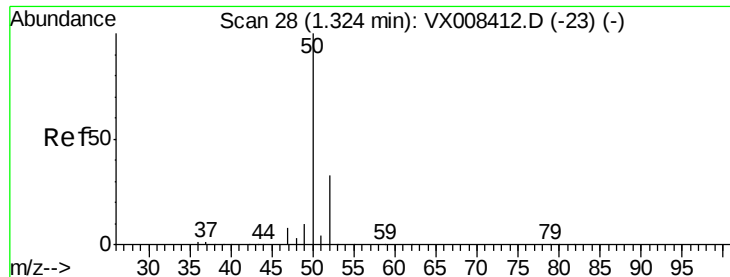
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 46.505 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 131128

Ion Ratio Lower Upper

50 100

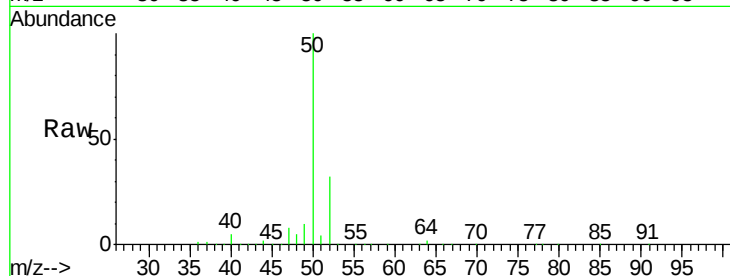
52 32.4 26.2 39.2

Manual Integrations

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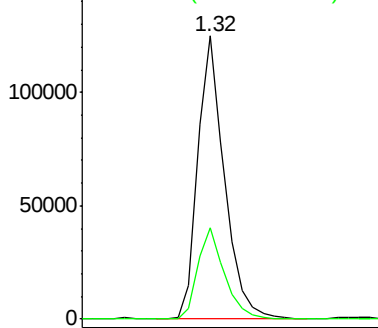
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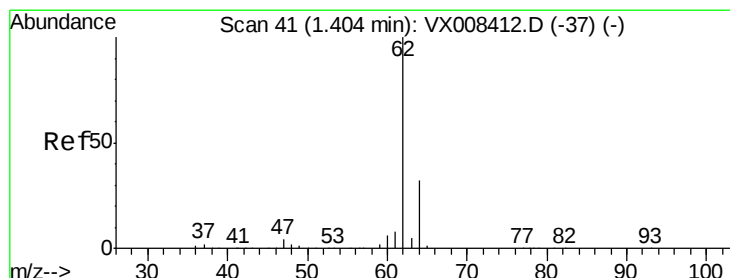
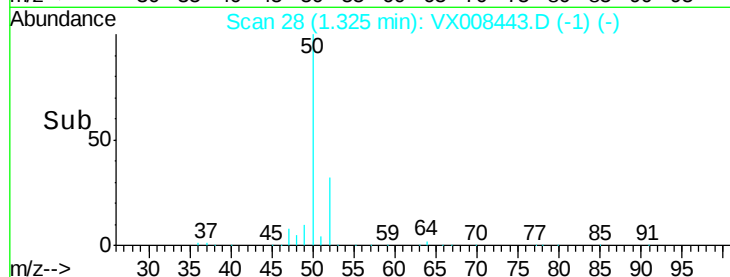


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 45.962 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008443.D

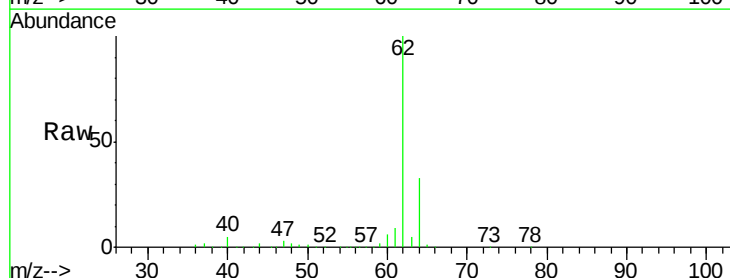
Acq: 26 Mar 2019 04:21

Tgt Ion: 62 Resp: 143249

Ion Ratio Lower Upper

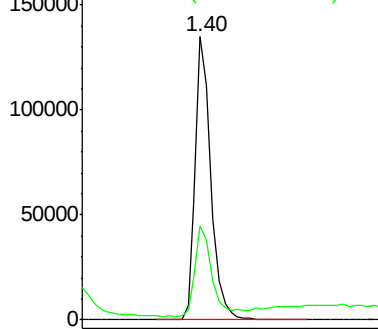
62 100

64 31.6 25.5 38.3

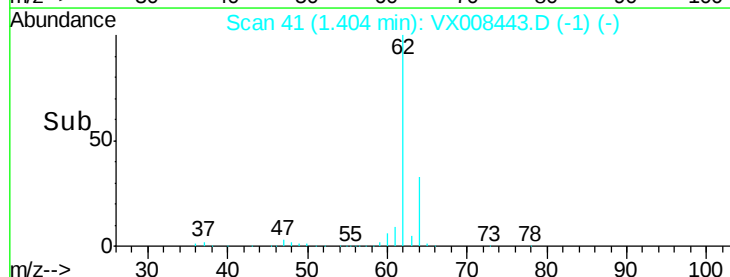


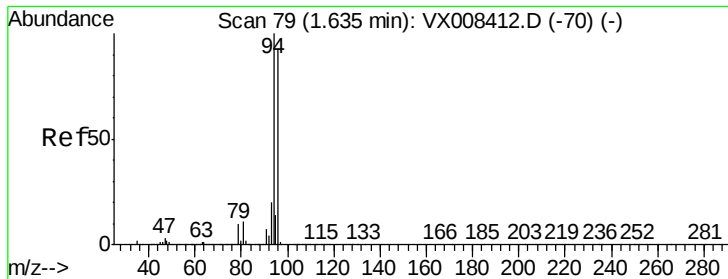
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 25.656 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 40474

Ion Ratio Lower Upper

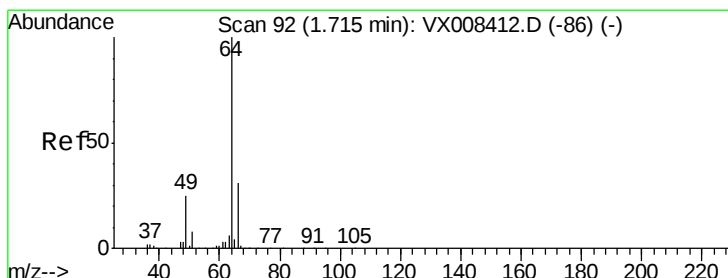
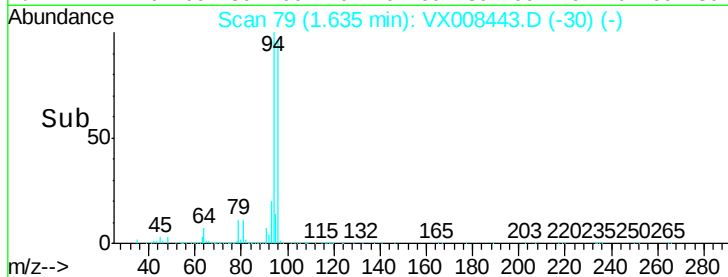
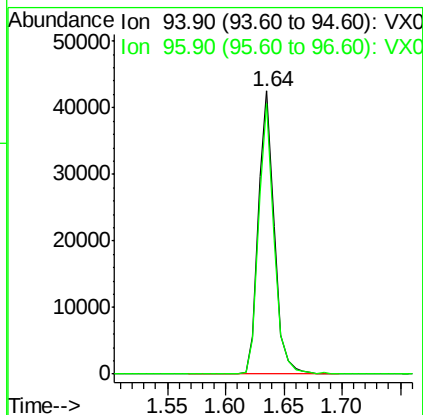
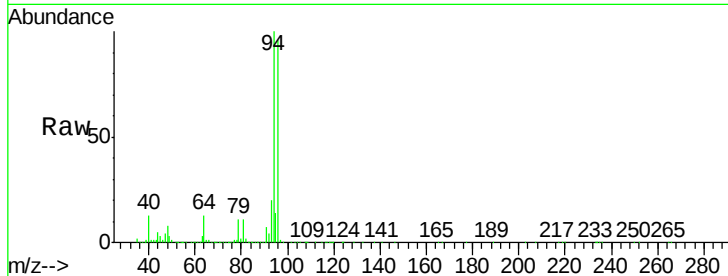
94 100

96 95.5 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 53.065 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008443.D

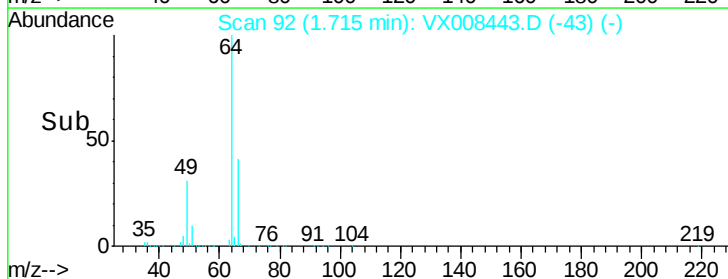
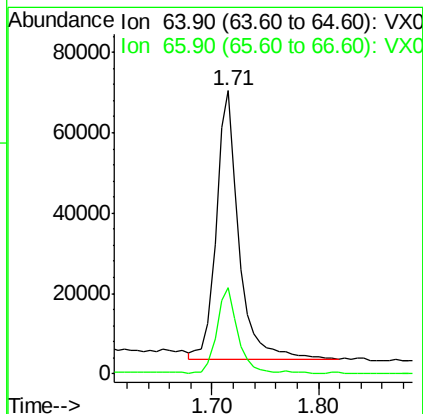
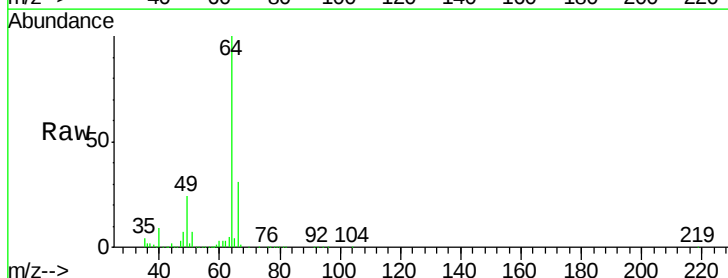
Acq: 26 Mar 2019 04:21

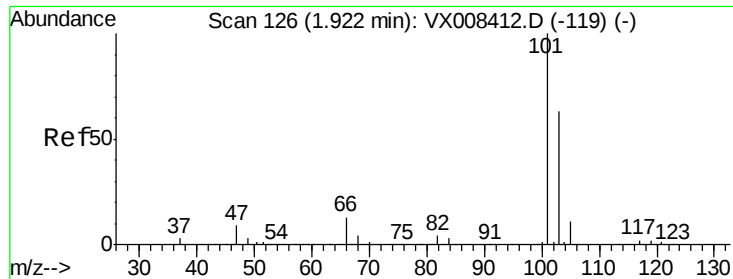
Tgt Ion: 64 Resp: 97976

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

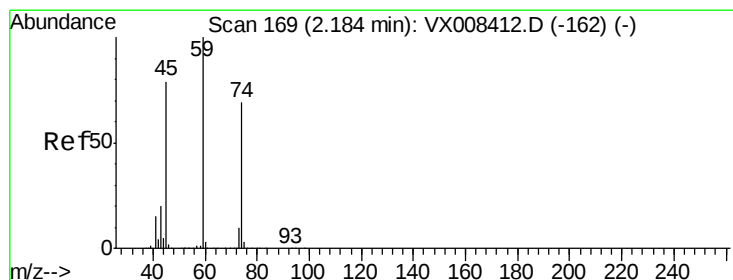
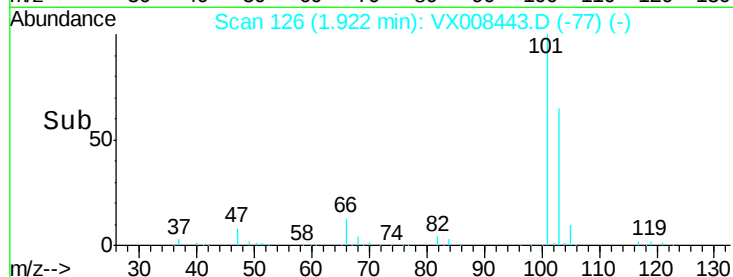
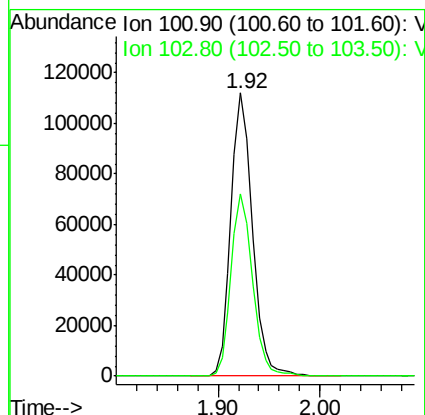
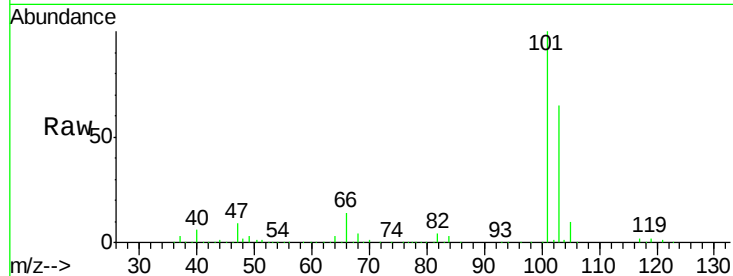
Trichlorofluoromethane
Concen: 46.511 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

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Tot Ion	101	Resp	164177
Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.2	75.4

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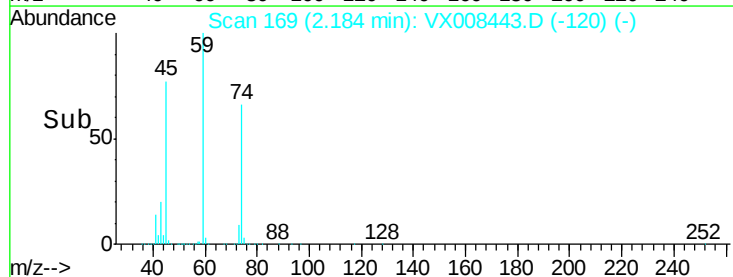
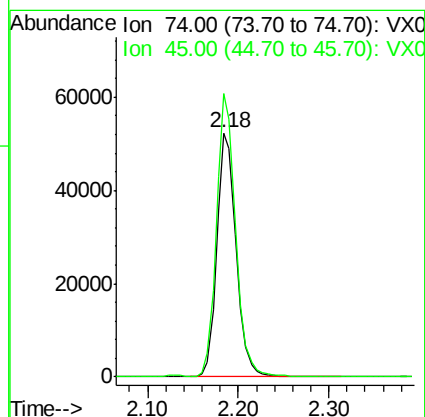
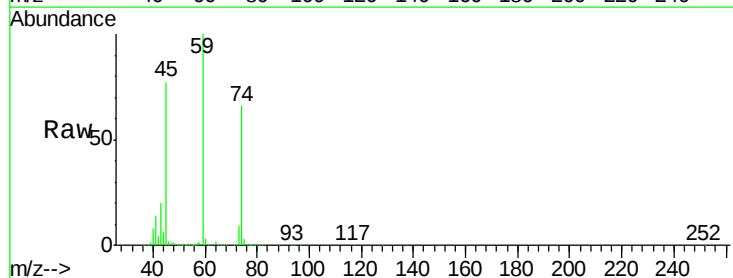
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3/26/2019 9:47:26 AM

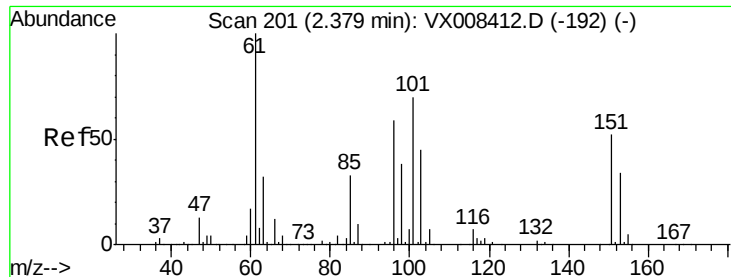


#8

Diethyl Ether
Concen: 46.790 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	74	Resp	78163
Ion	Ratio	Lower	Upper
74	100		
45	113.6	56.4	169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.489 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

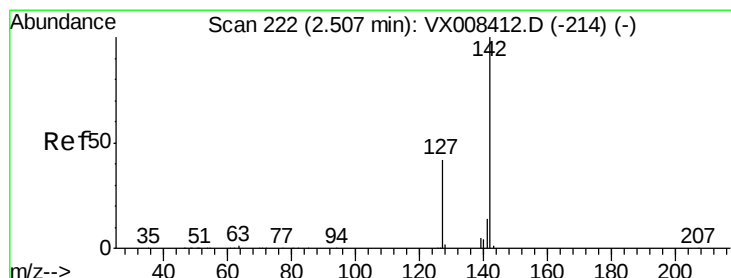
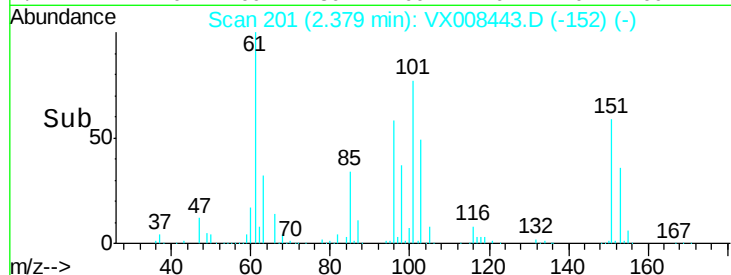
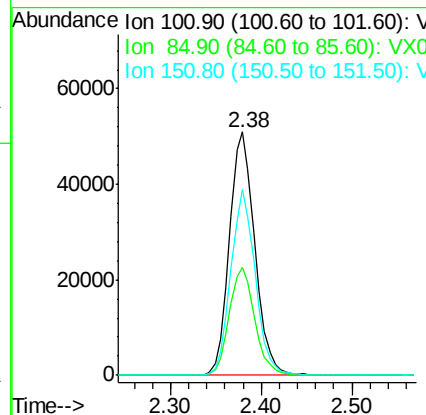
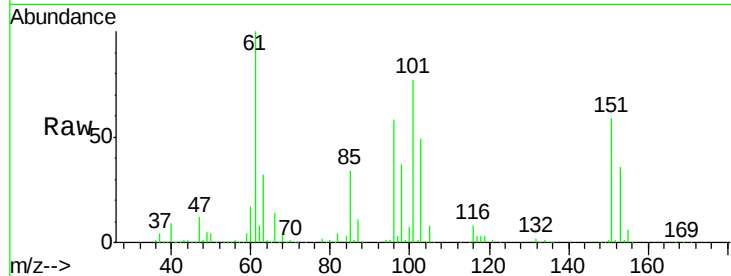
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99172
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	73.8	59.2	88.8

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#10

Methyl Iodide

Concen: 20.944 ug/l

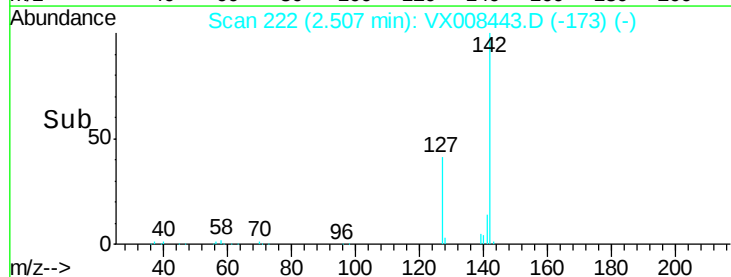
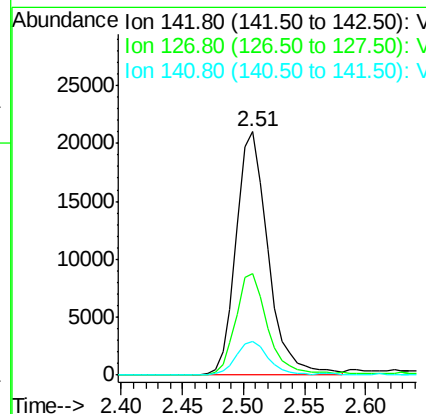
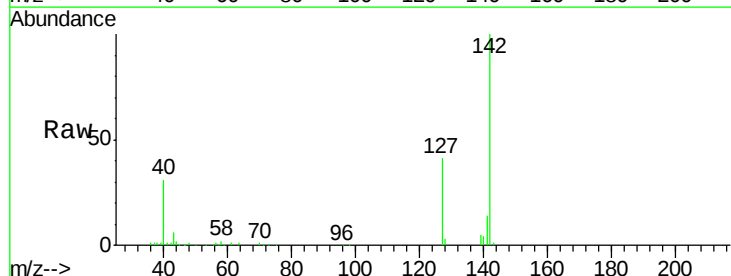
RT: 2.51 min Scan# 222

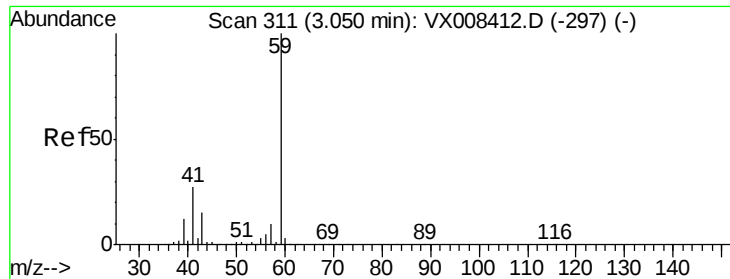
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	142	Resp:	38044
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.6	50.4
141	14.3	11.3	16.9





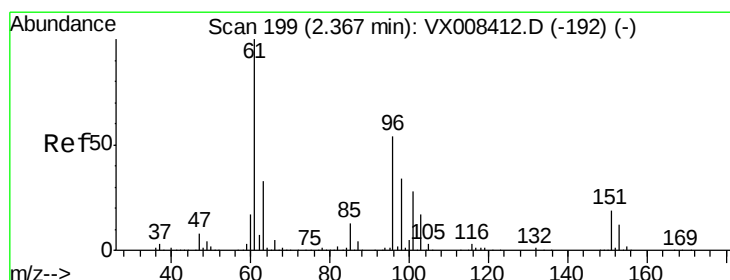
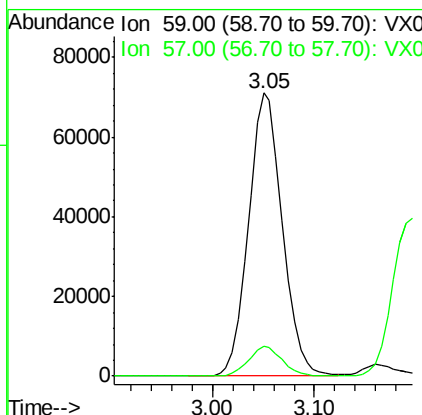
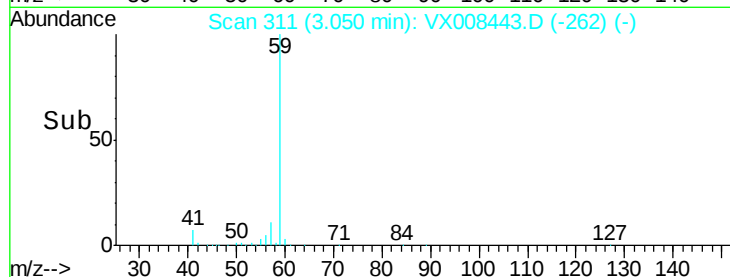
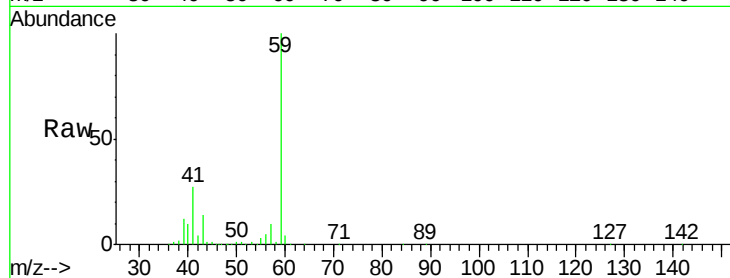
#11
Tert butyl alcohol
Concen: 257.549 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 163820
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

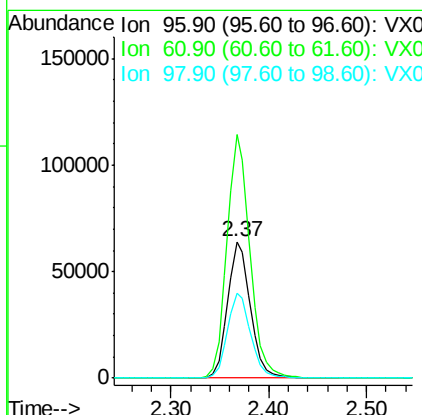
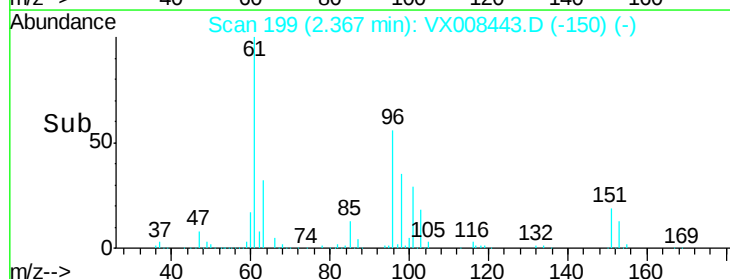
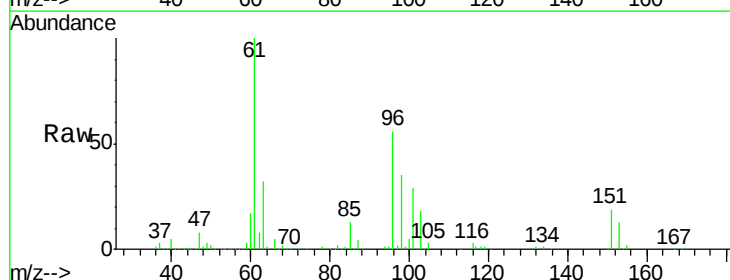
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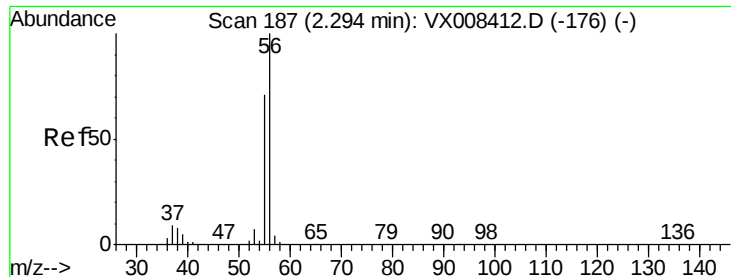
MMDadoda
3/26/2019 9:47:26 AM



#12
1,1-Dichloroethene
Concen: 47.069 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion: 96 Resp: 103699
Ion Ratio Lower Upper
96 100
61 178.1 146.9 220.3
98 62.3 50.1 75.1





#13

Acrolein

Concen: 257.435 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 118912

Ion Ratio Lower Upper

56 100

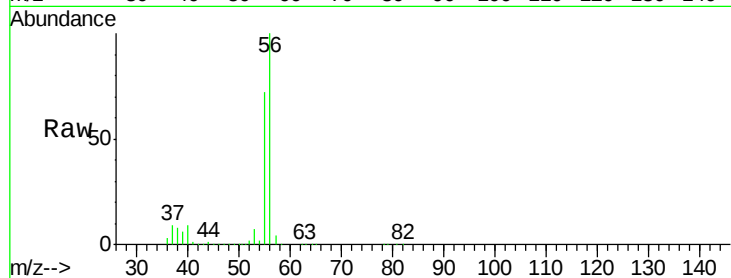
55 71.2 56.5 84.7

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

80000

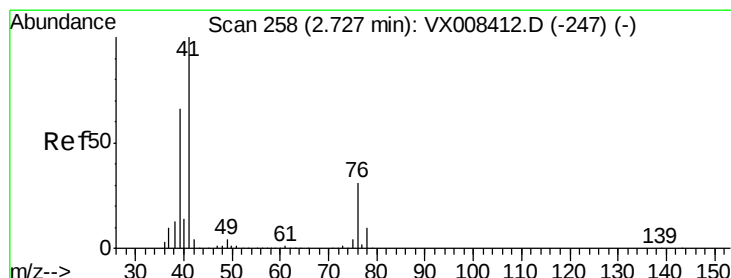
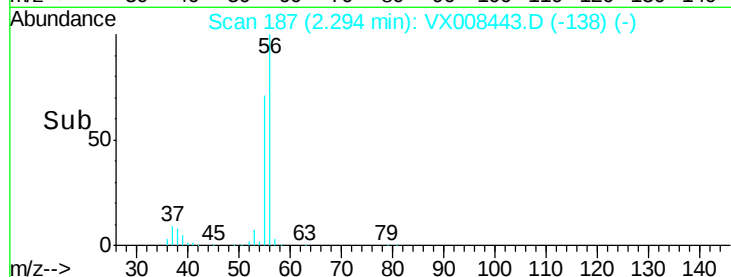
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 46.663 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

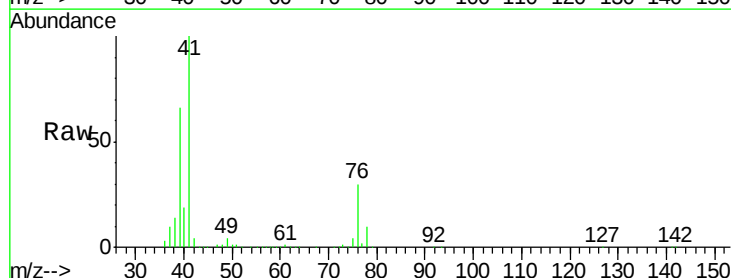
Tgt Ion: 41 Resp: 226490

Ion Ratio Lower Upper

41 100

39 61.7 49.6 74.4

76 27.6 22.6 34.0



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

2.73

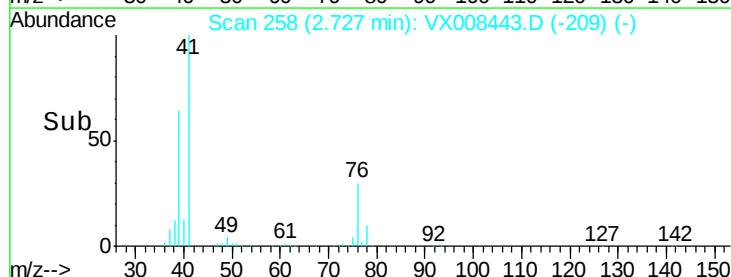
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 240.894 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

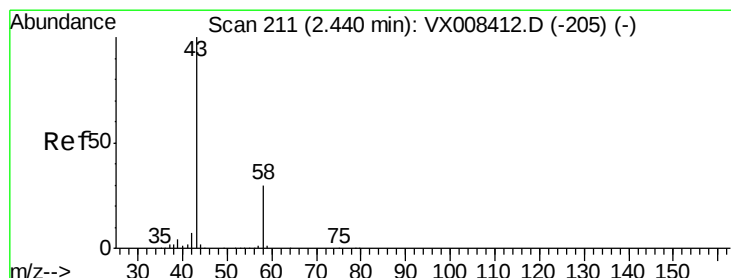
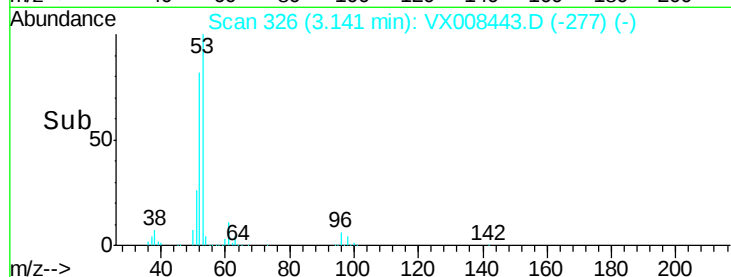
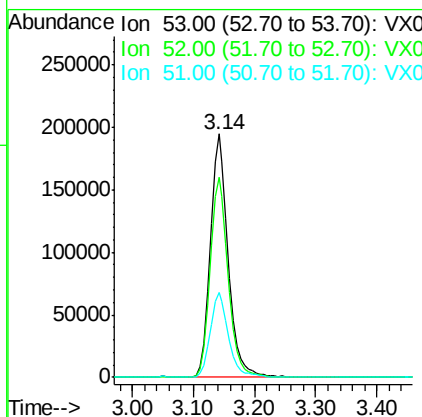
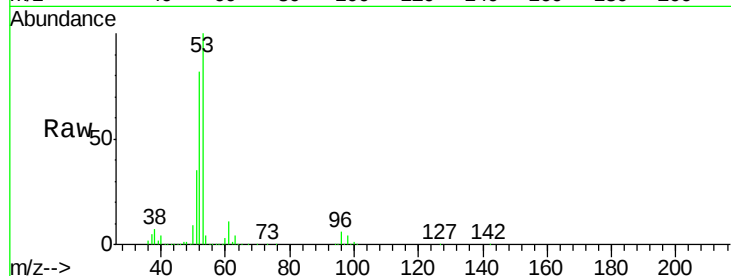
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	401786
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.5	99.7
51	35.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 229.481 ug/l

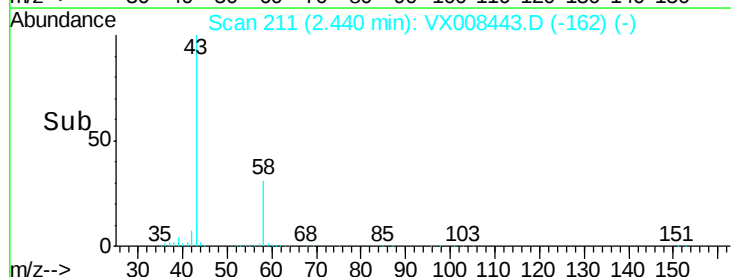
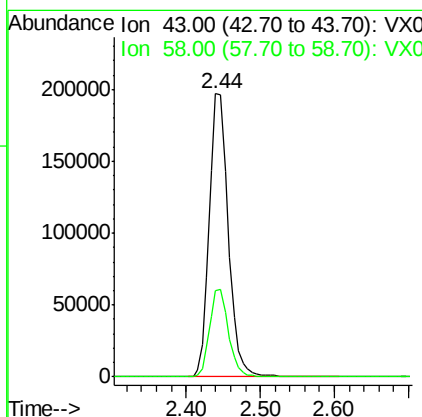
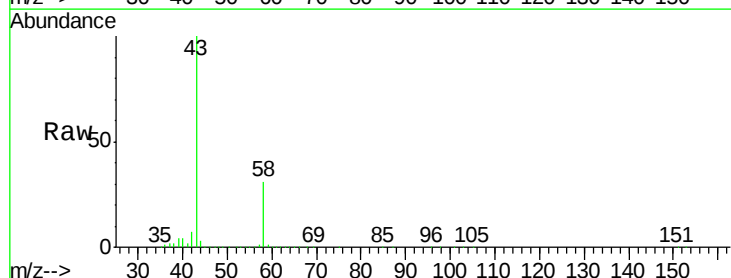
RT: 2.44 min Scan# 211

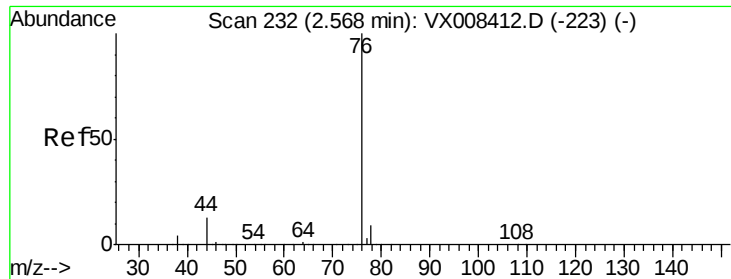
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	43	Resp:	344335
Ion Ratio		Lower	Upper
43	100		
58	30.6	24.2	36.2





#17

Carbon Disulfide

Concen: 42.267 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 308900

Ion Ratio Lower Upper

76 100

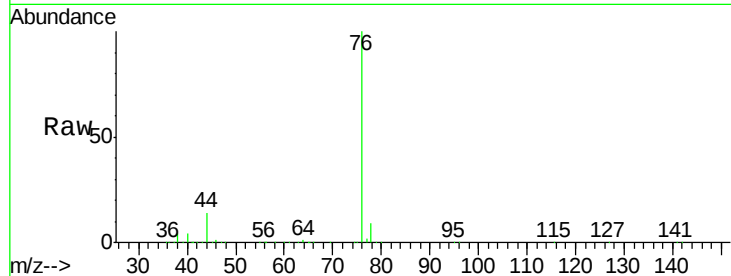
78 9.0 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

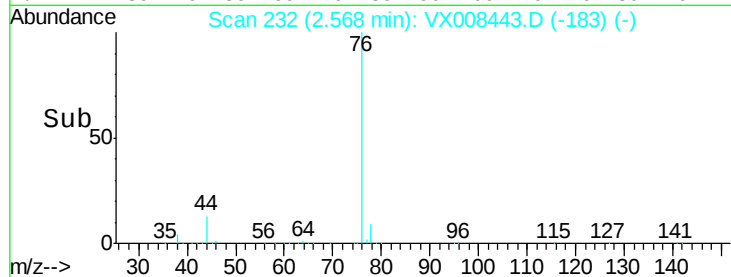
150000

100000

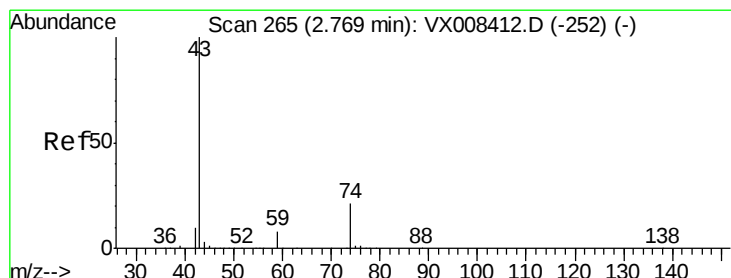
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.211 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008443.D

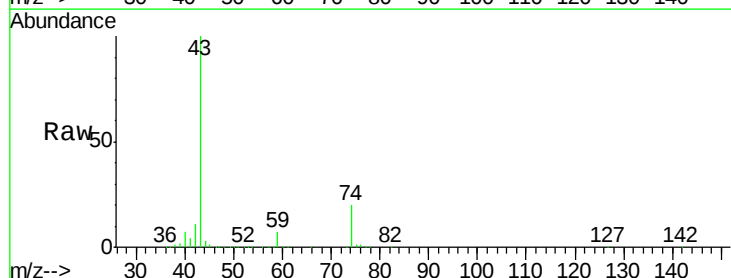
Acq: 26 Mar 2019 04:21

Tgt Ion: 43 Resp: 173741

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

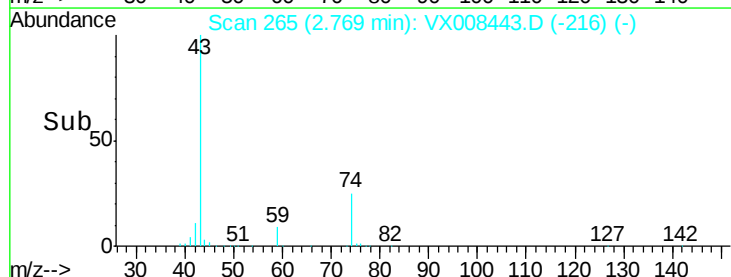
60000

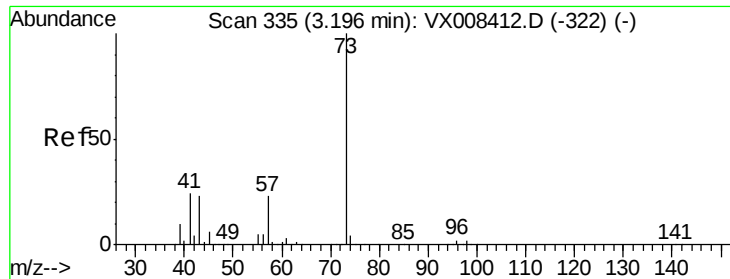
40000

20000

0

Time-->





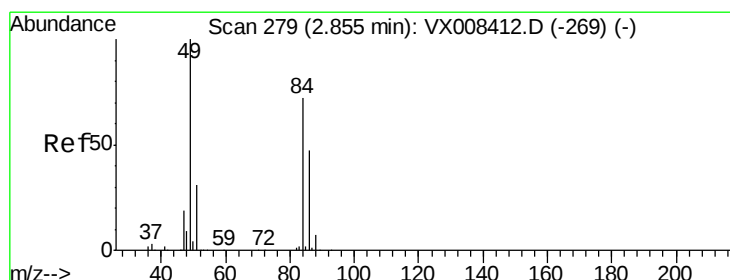
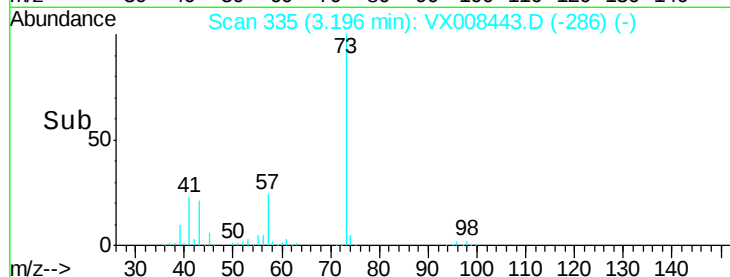
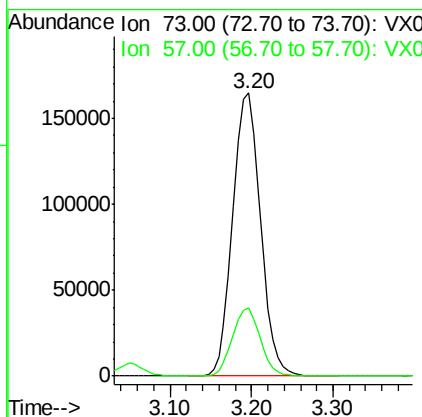
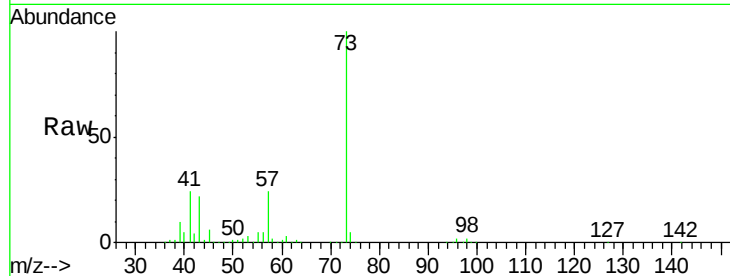
#19
Methvl tert-butvl Ether
Concen: 48.924 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 388416
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0

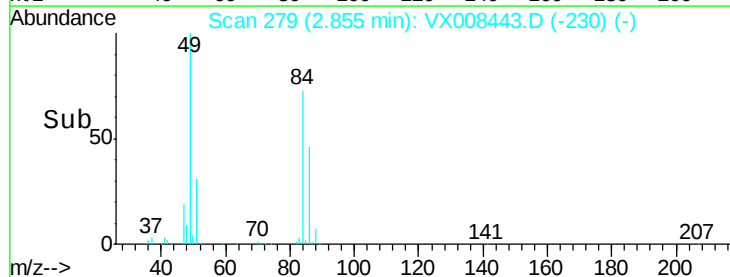
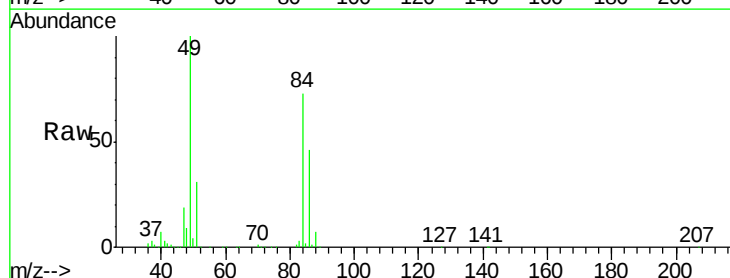
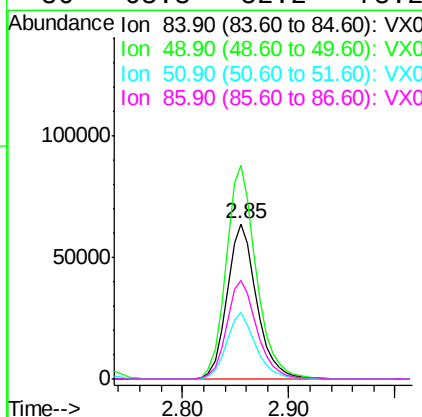
Manual Integrations
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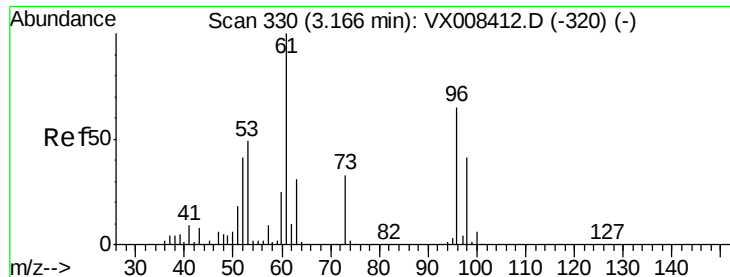
MMDadoda
3/26/2019 9:47:26 AM



#20
Methylene Chloride
Concen: 50.717 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion: 84 Resp: 124180
Ion Ratio Lower Upper
84 100
49 137.6 110.6 165.8
51 42.6 33.9 50.9
86 63.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.939 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 109631

Ion Ratio Lower Upper

96 100

61 159.5 122.6 184.0

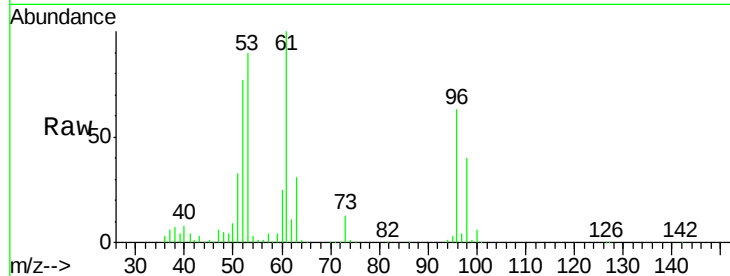
98 64.2 50.9 76.3

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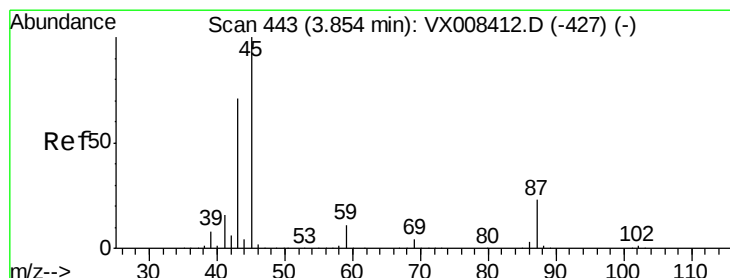
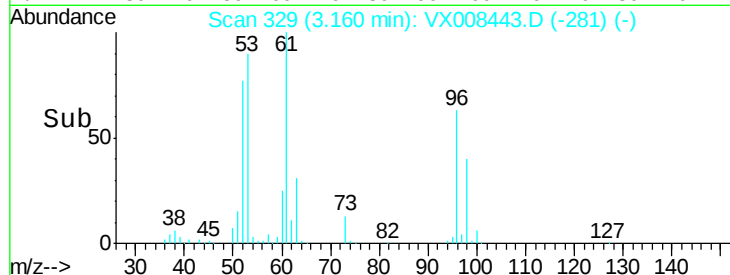
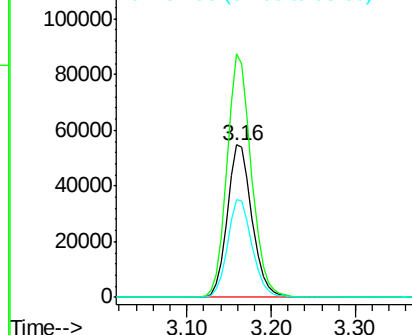


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.116 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion: 45 Resp: 459850

Ion Ratio Lower Upper

45 100

43 70.9 57.1 85.7

87 22.6 18.8 28.2

59 11.0 8.7 13.1

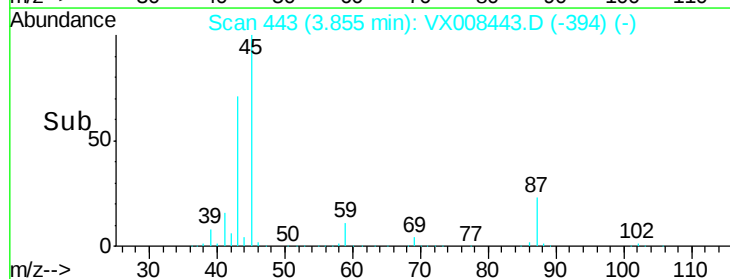
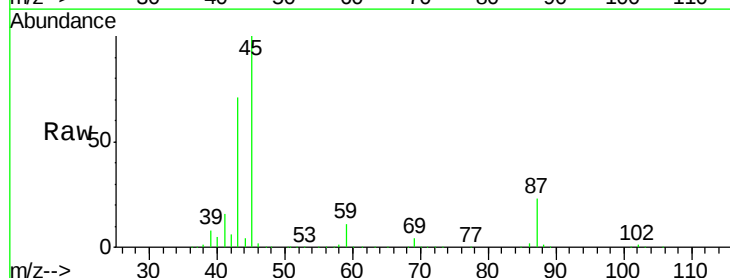
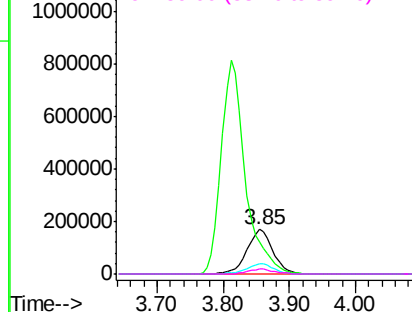
Abundance

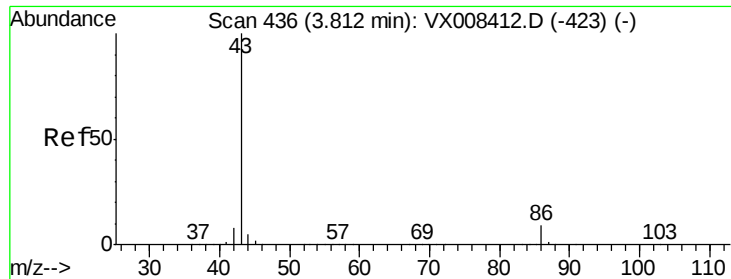
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 247.225 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2061374

Ion Ratio Lower Upper

43 100

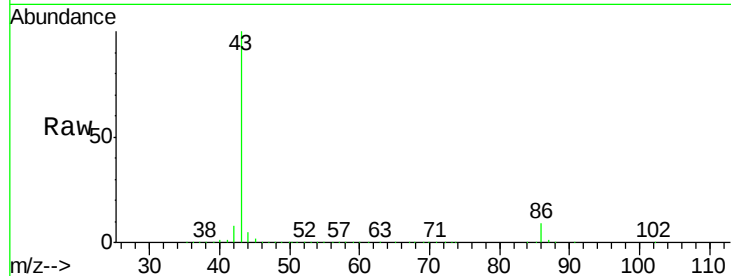
86 8.7 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

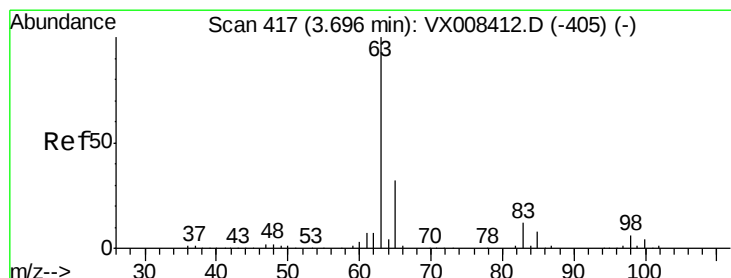
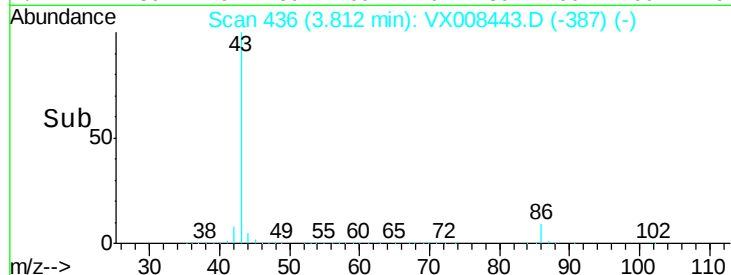
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.116 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

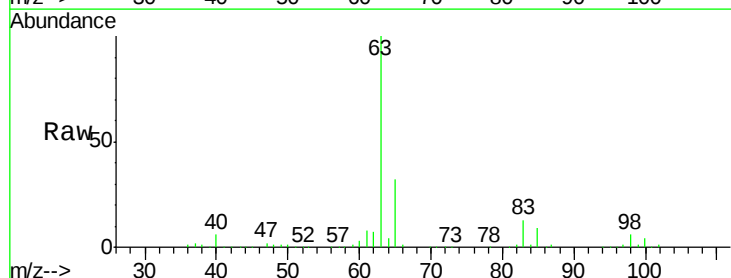
Tgt Ion: 63 Resp: 232156

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

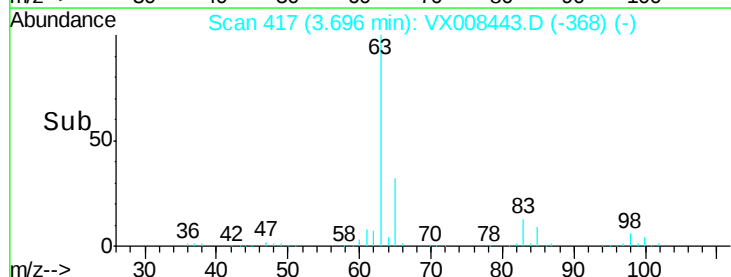
60000

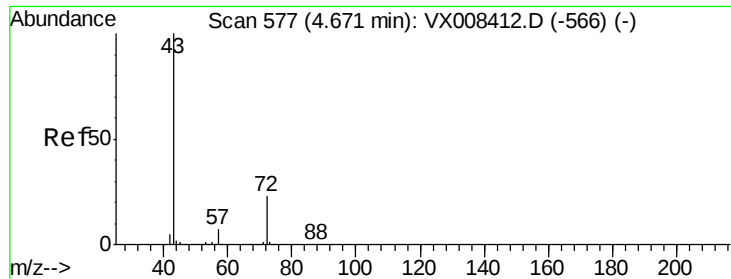
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 243.803 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 586484

Ion Ratio Lower Upper

43 100

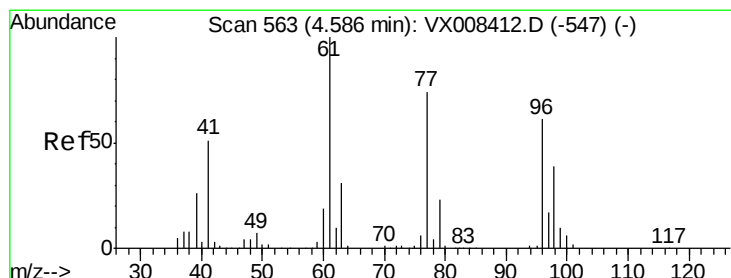
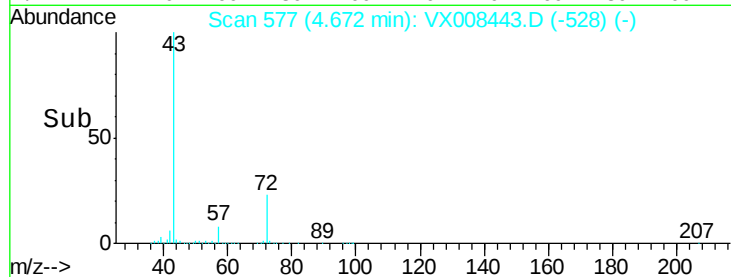
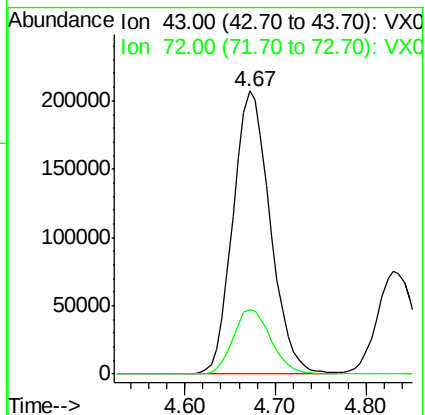
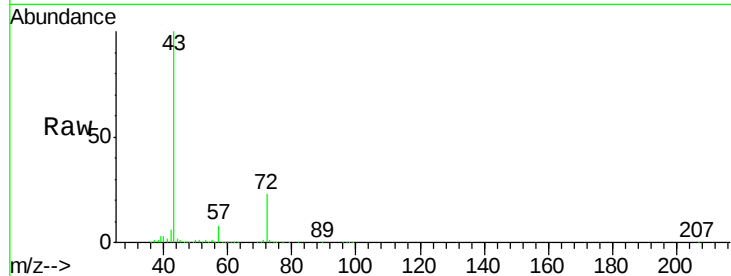
72 22.9 18.6 28.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 37.370 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008443.D

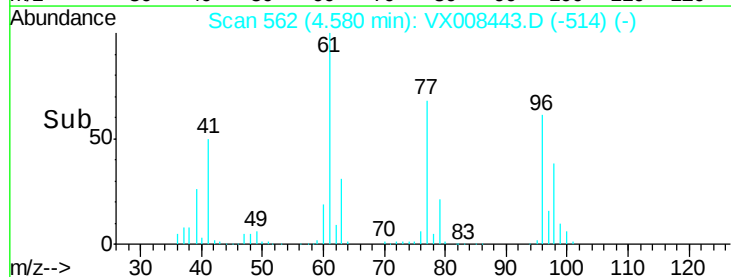
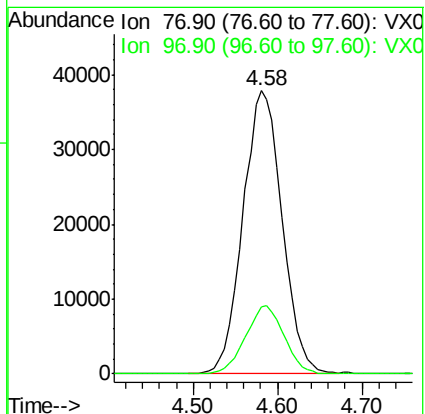
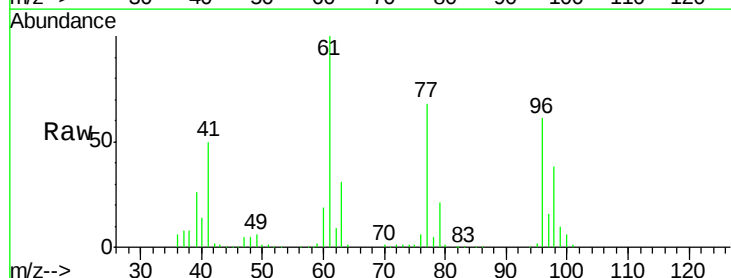
Acq: 26 Mar 2019 04:21

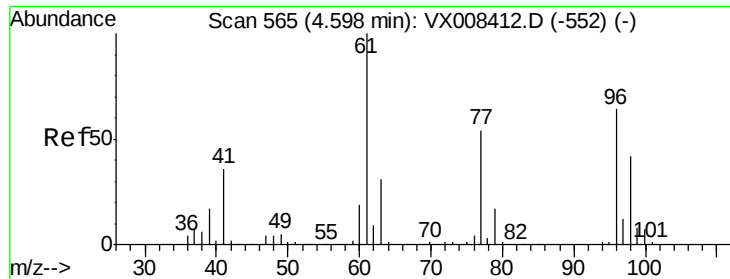
Tgt Ion: 77 Resp: 119927

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.6





#27

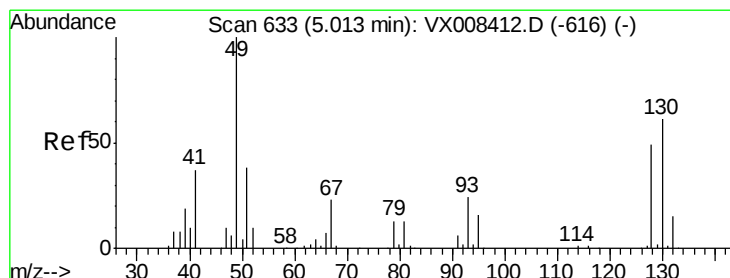
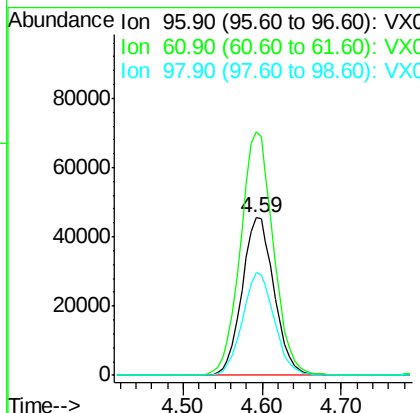
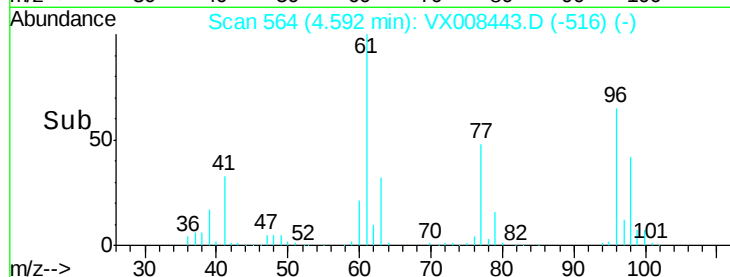
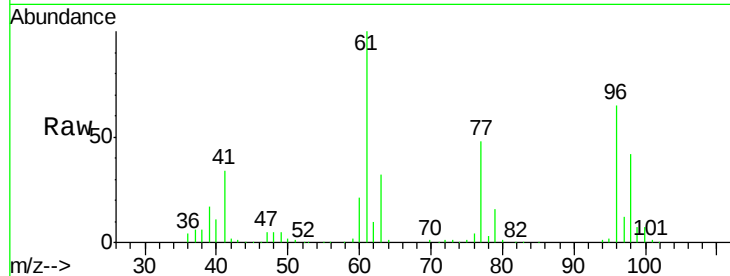
cis-1,2-Dichloroethene
 Concen: 47.689 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.1	0.0	325.6	
98	65.0	0.0	130.0	

Manual Integrations
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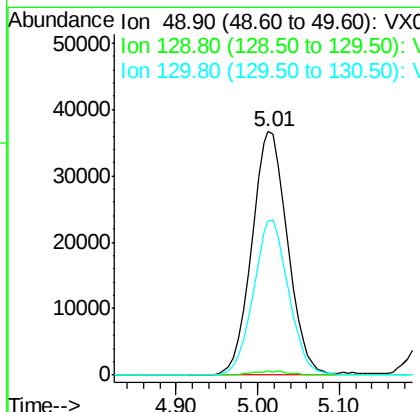
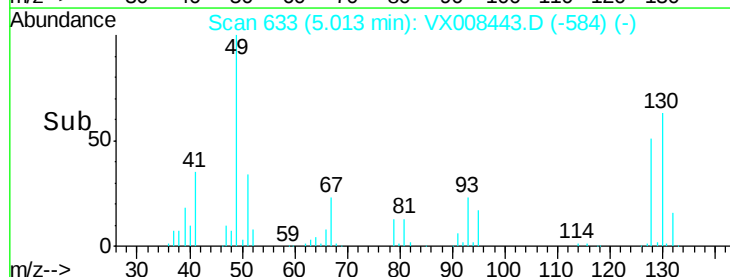
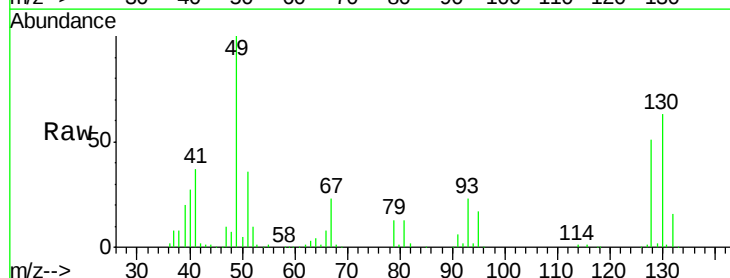
MMDadoda
 3/26/2019 9:47:26 AM

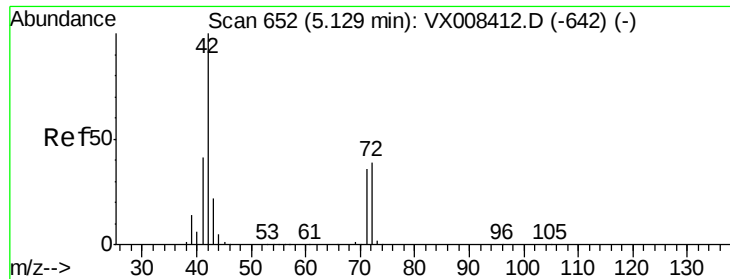


#28

Bromochloromethane
 Concen: 47.023 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	62.5	49.8	74.6	





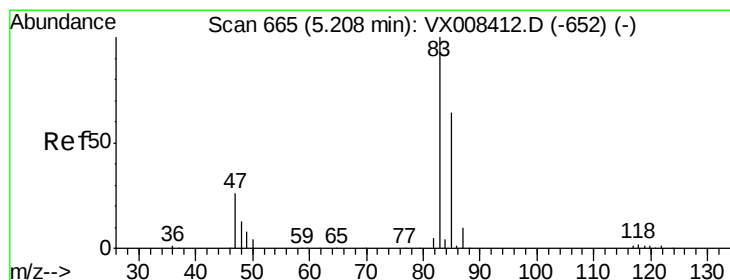
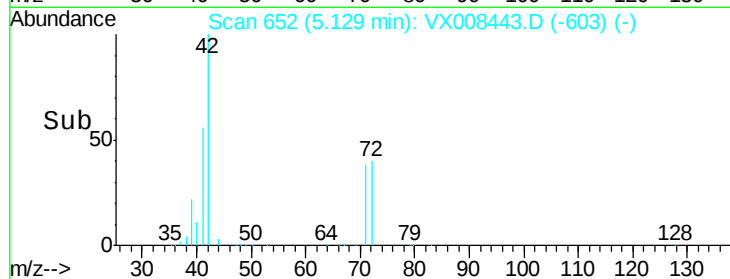
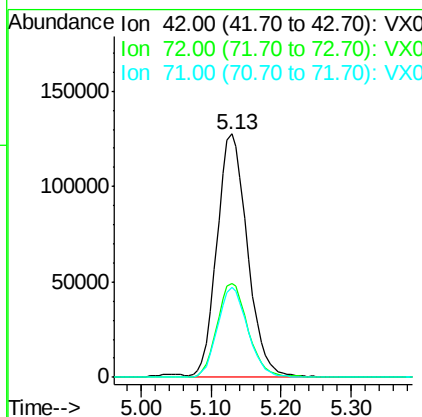
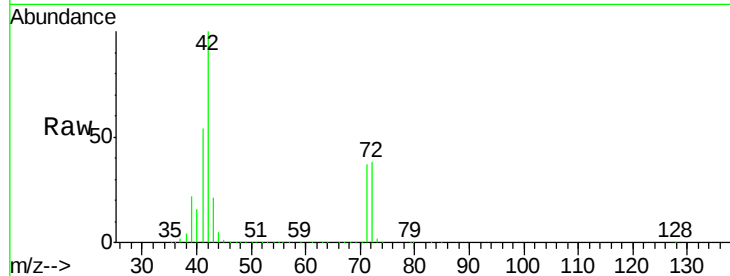
#29
Tetrahydrofuran
Concen: 243.257 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	36.7	29.4	44.2

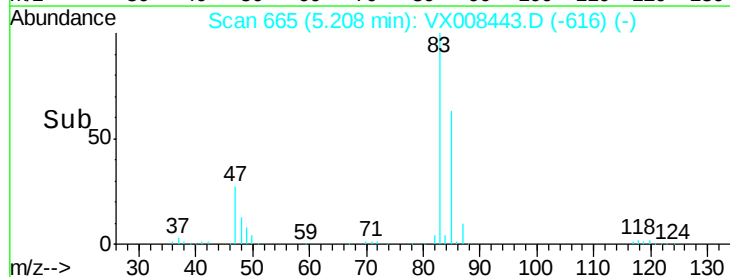
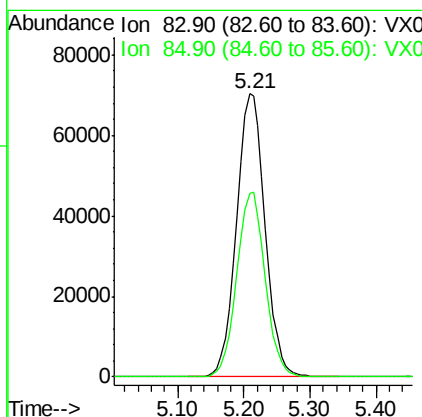
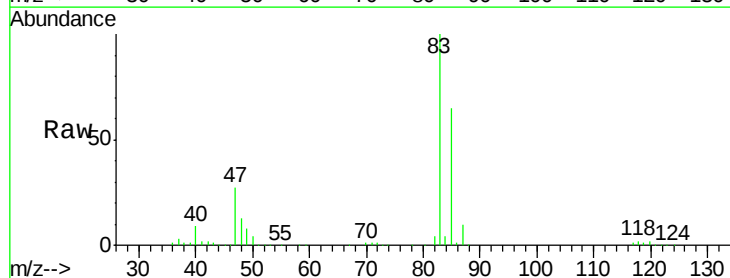
Manual Integrations
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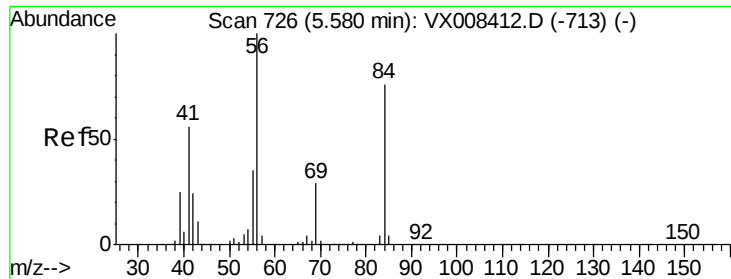
MMDadoda
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#30
Chloroform
Concen: 48.280 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





#31

Cyclohexane

Concen: 46.893 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

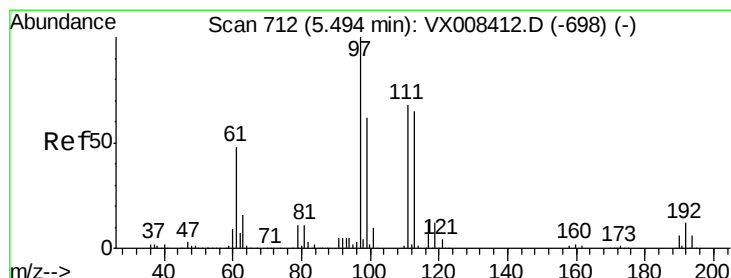
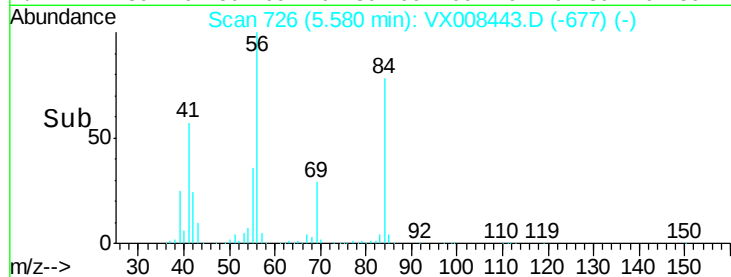
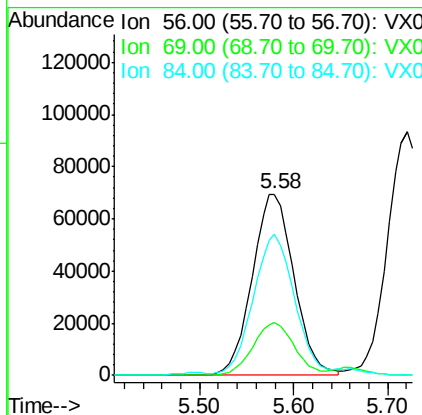
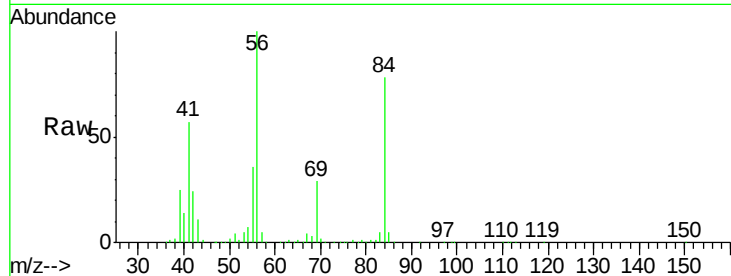
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	215791
Ion Ratio	Lower	Upper	
56	100		
69	29.4	23.2	34.8
84	76.3	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.883 ug/l

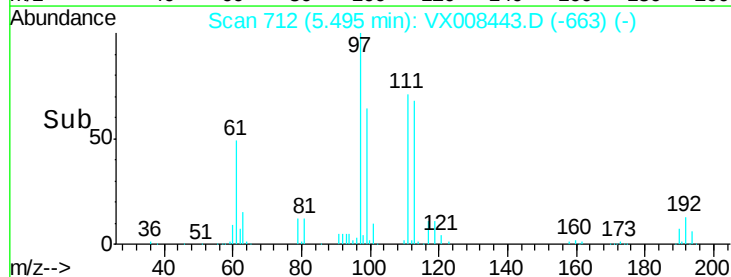
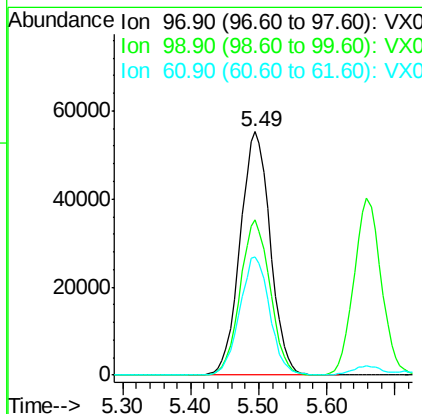
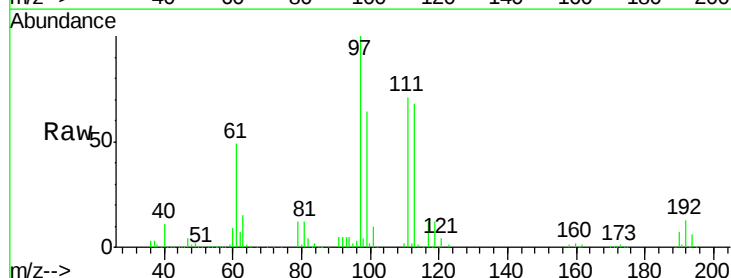
RT: 5.49 min Scan# 712

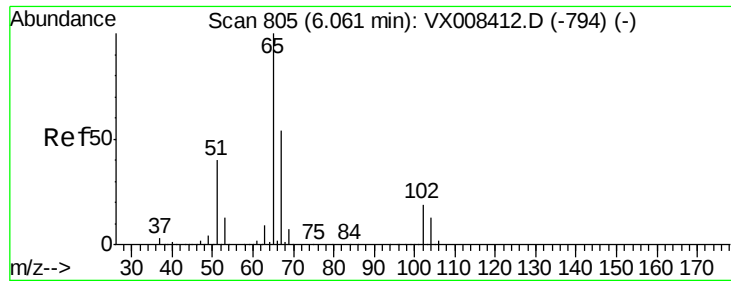
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	97	Resp:	170140
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.5	77.3
61	48.5	38.8	58.2





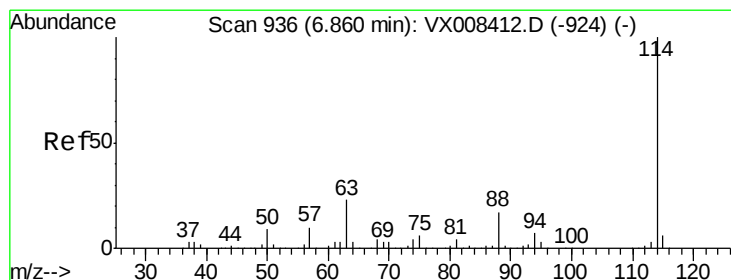
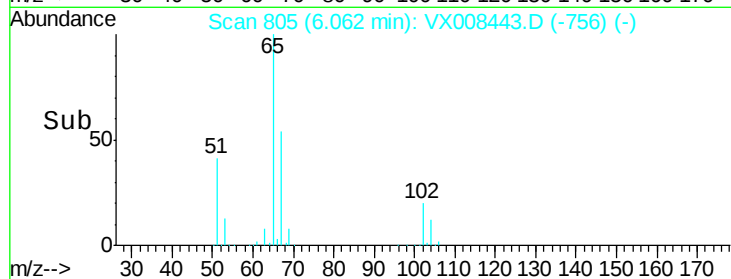
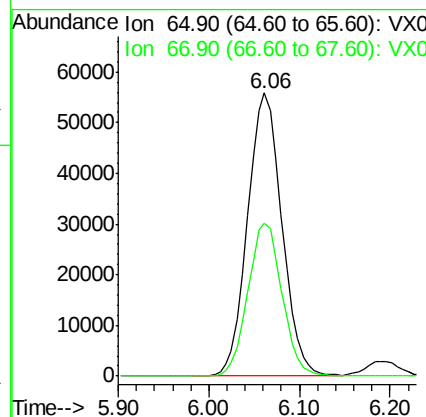
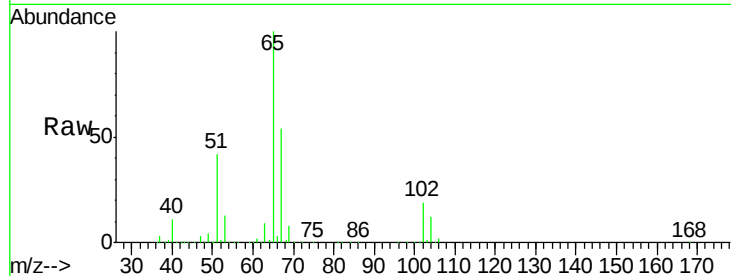
#33
 1,2-Dichloroethane-d4
 Concen: 51.054 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.4

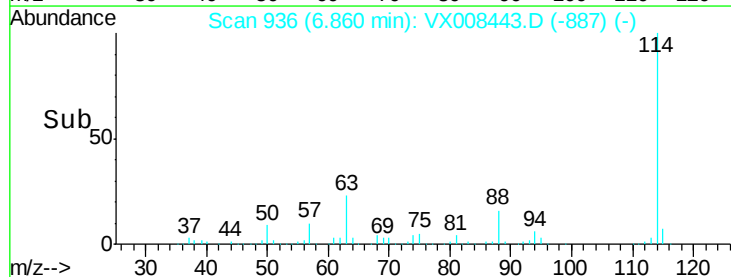
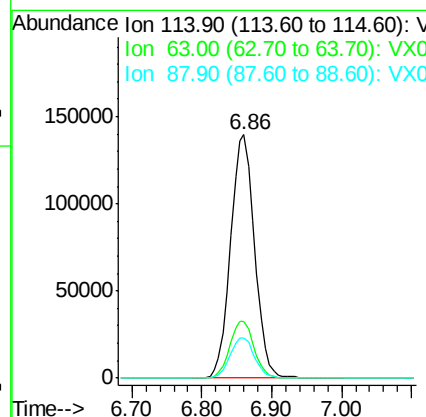
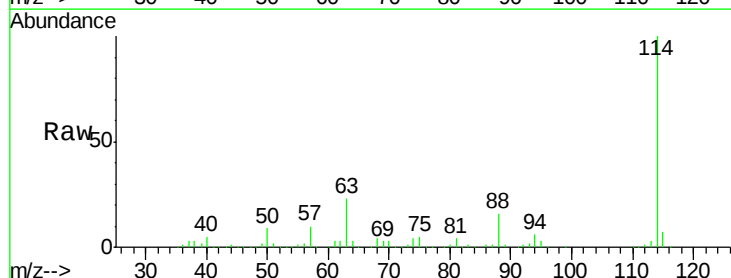
Manual Integrations
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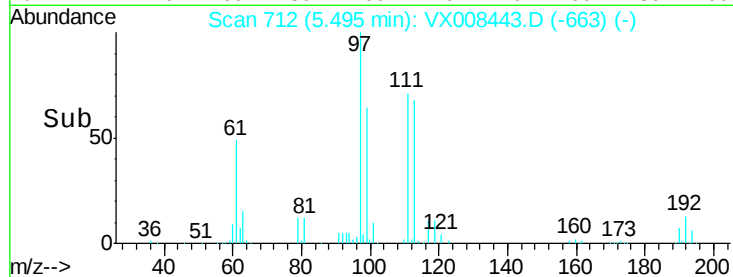
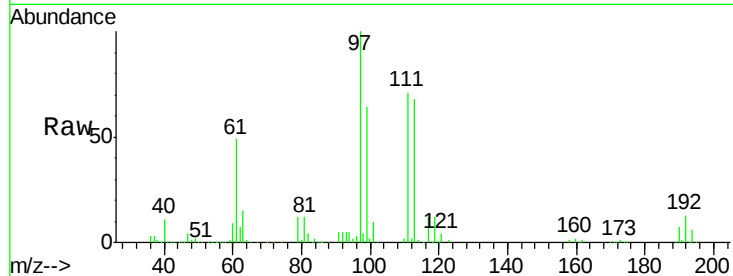
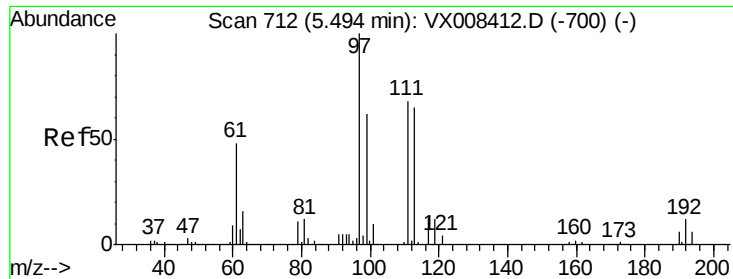
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.4
88	16.5	0.0	33.2





#35

Dibromofluoromethane

Concen: 50.369 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008443.D

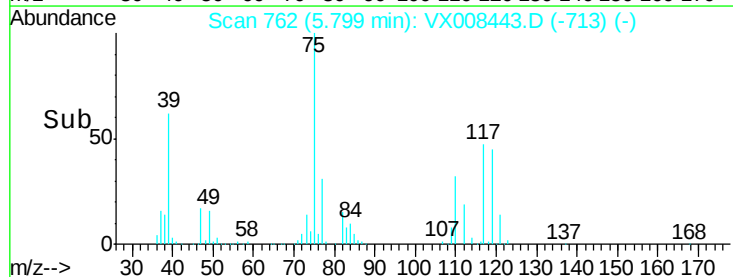
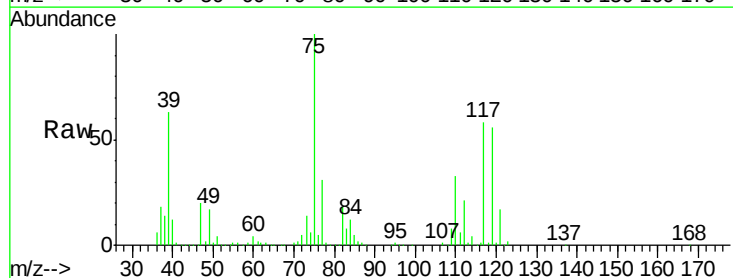
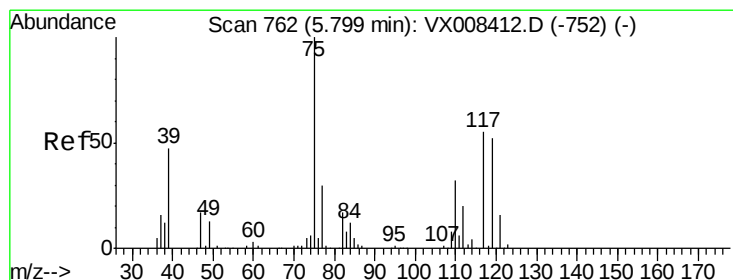
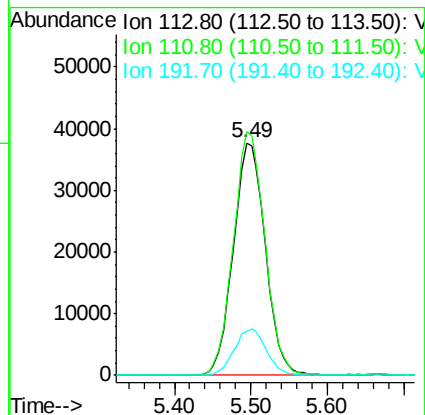
Acq: 26 Mar 2019 04:21

Tot Ion:	113	Resp:	109138
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.4
192	19.8	15.6	23.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.597 ug/l

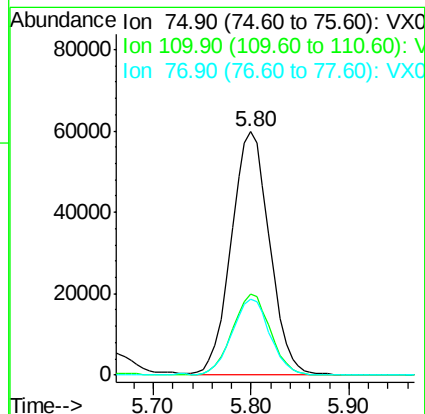
RT: 5.80 min Scan# 762

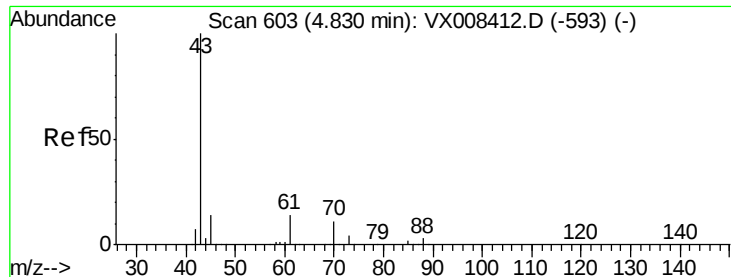
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	75	Resp:	161557
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.7
77	31.0	24.2	36.2





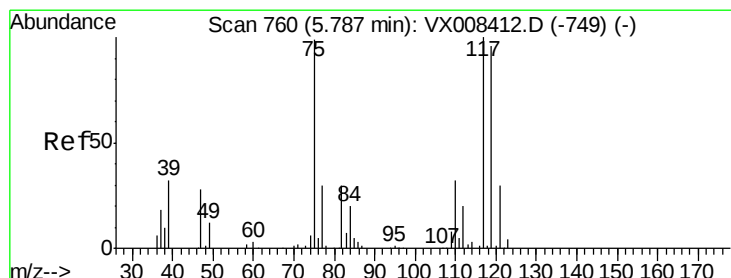
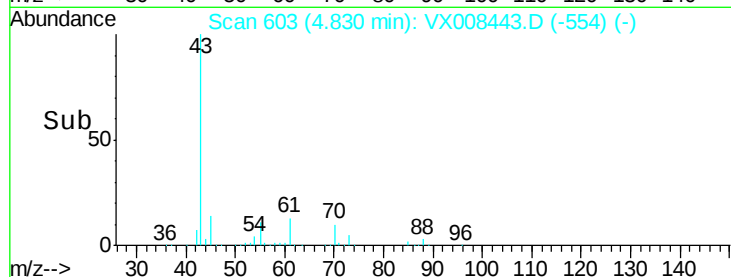
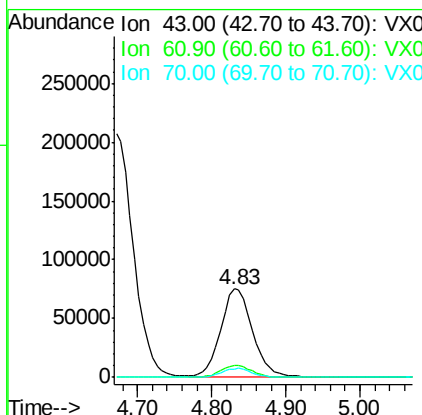
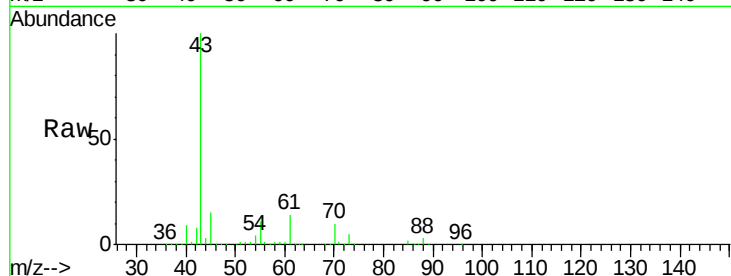
#37
Ethyl Acetate
Concen: 48.685 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	10.0	7.8	11.8

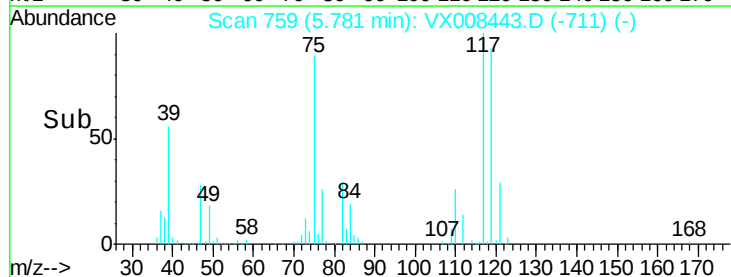
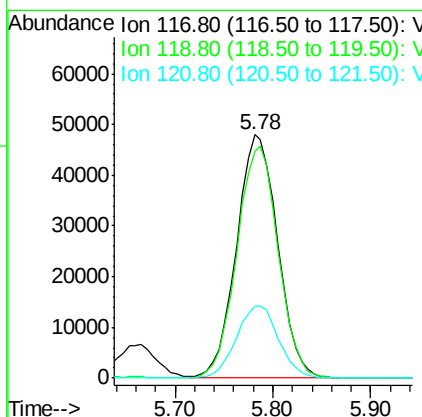
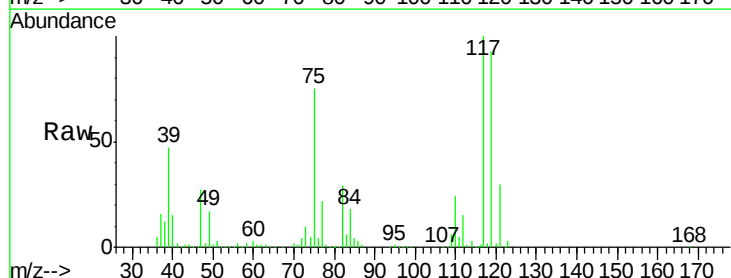
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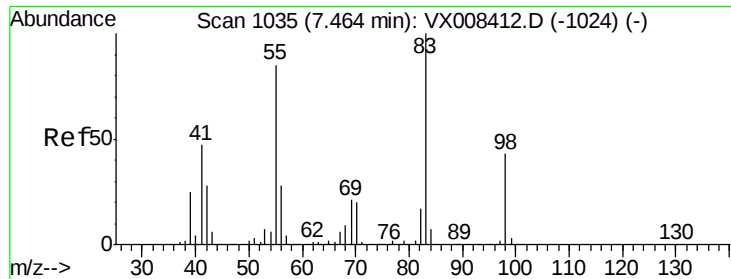
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3/26/2019 9:47:26 AM



#38
Carbon Tetrachloride
Concen: 47.271 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.7	115.1
121	29.8	24.3	36.5





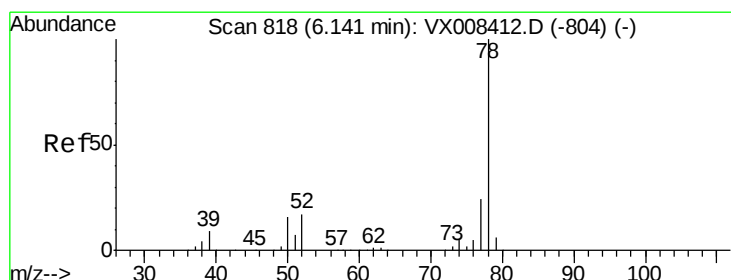
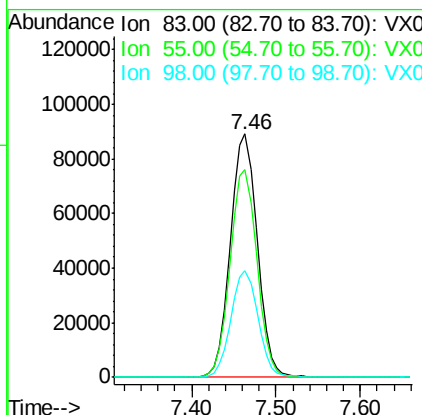
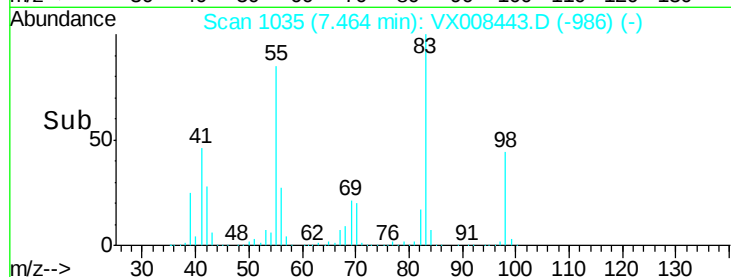
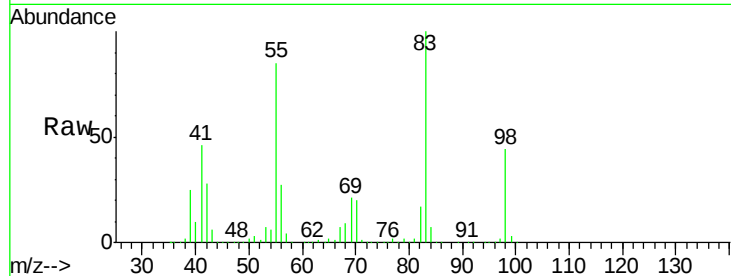
#39
Methvlcvclohexane
Concen: 45.465 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	68.2	102.4
98	43.9	34.2	51.4

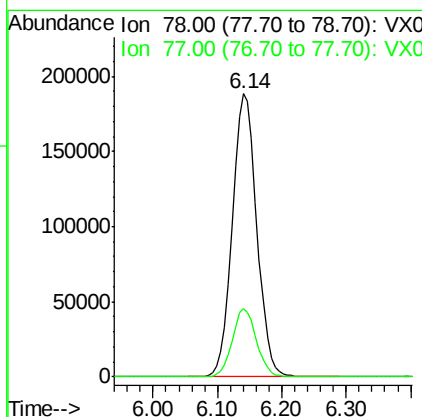
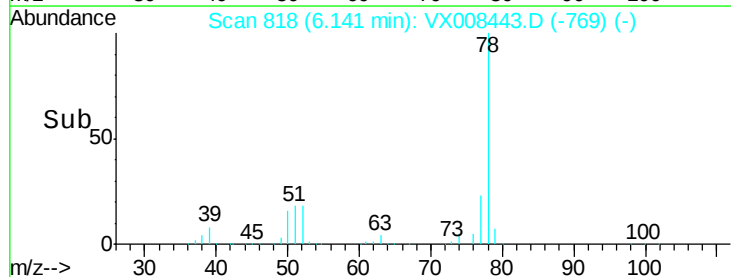
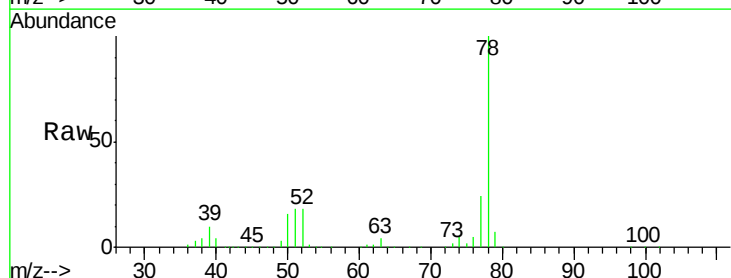
Manual Integrations
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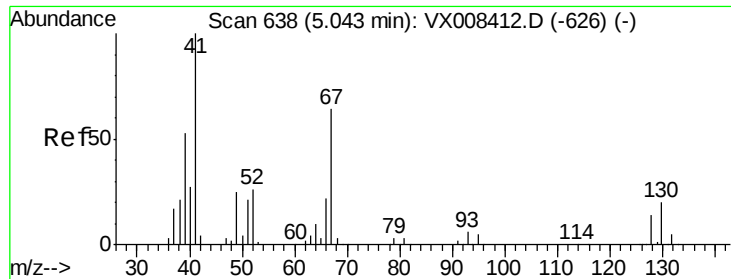
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#40
Benzene
Concen: 47.013 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





#41

Methacrylonitrile

Concen: 48.911 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 126165

Ion Ratio Lower Upper

41 100

39 53.2 42.6 64.0

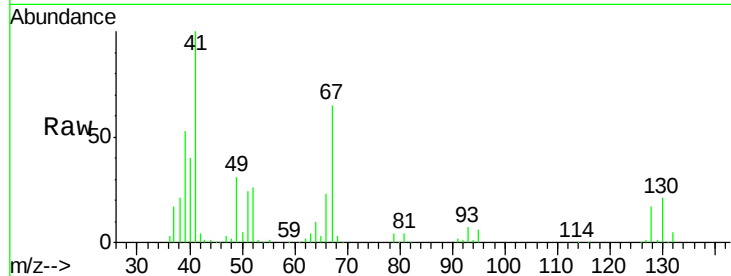
67 64.6 52.2 78.4

52 27.0 21.4 32.0

Manual Integrations
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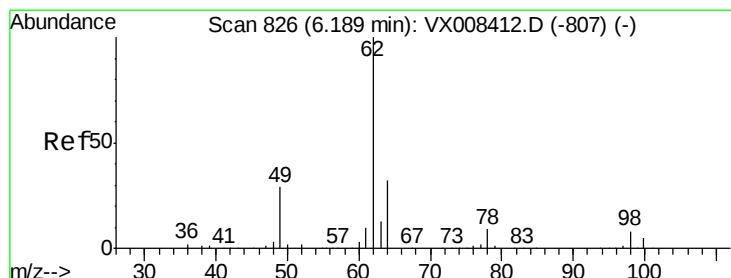
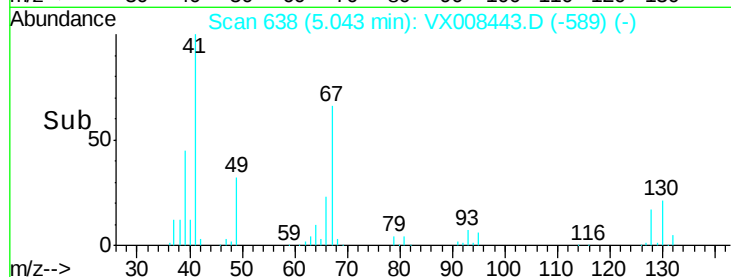
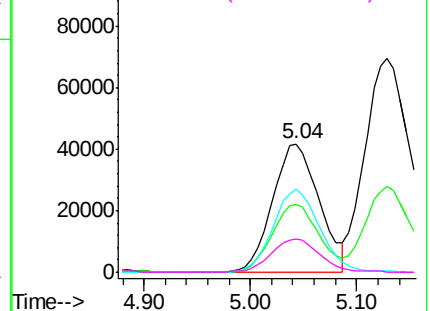


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.064 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX008443.D

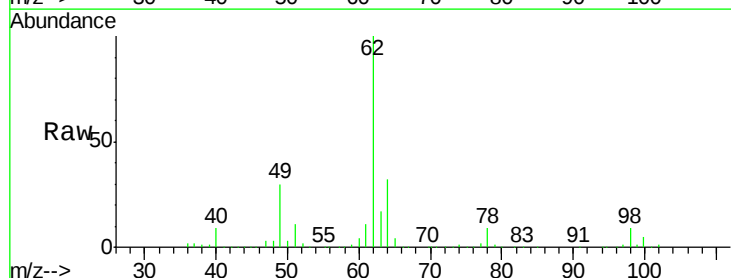
Acq: 26 Mar 2019 04:21

Tgt Ion: 62 Resp: 178896

Ion Ratio Lower Upper

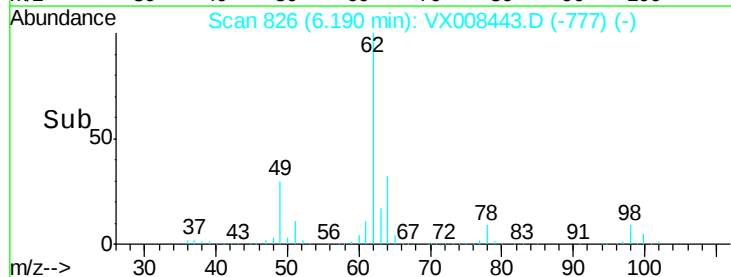
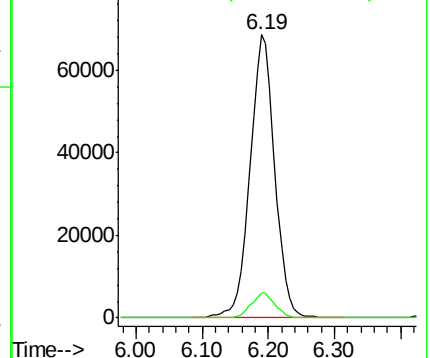
62 100

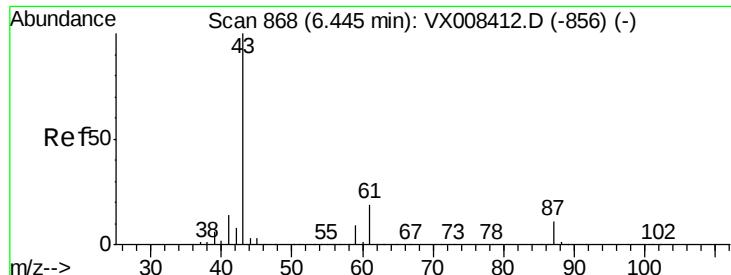
98 8.7 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

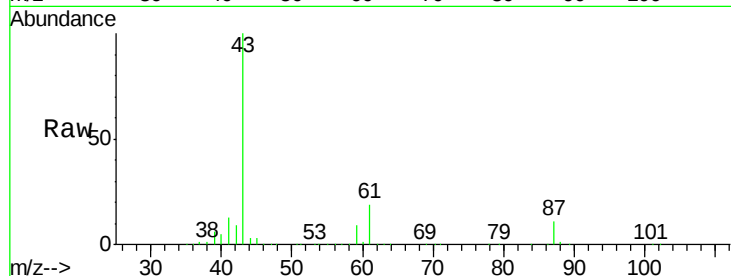
Isopropyl Acetate
 Concen: 48.618 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

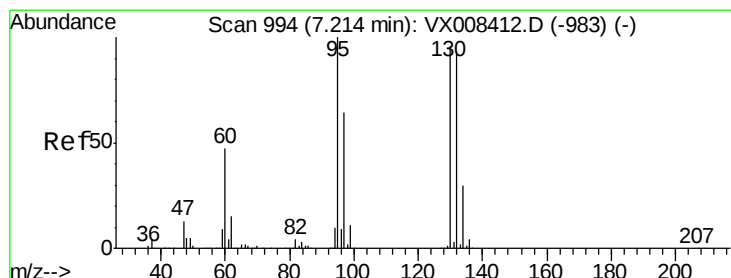
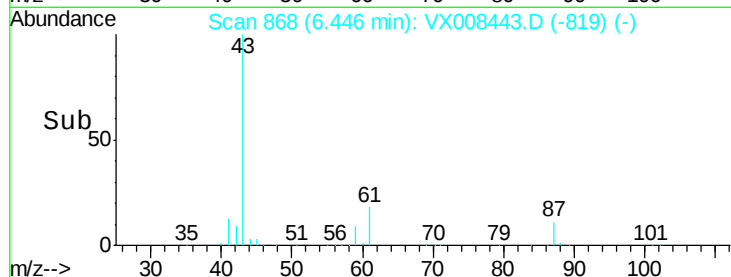
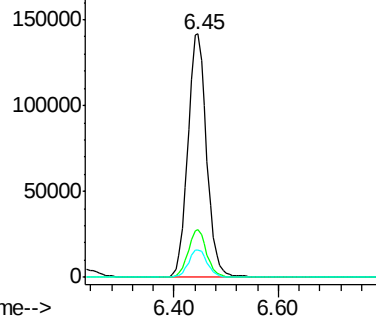
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.4	9.1	13.7

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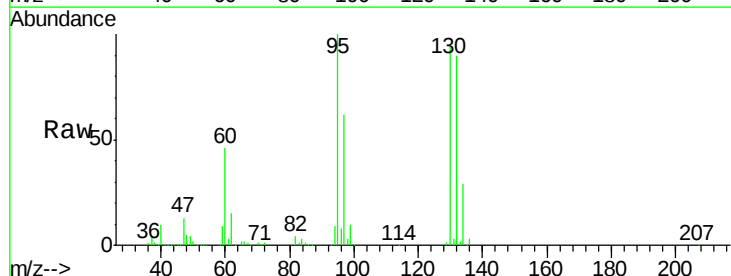
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



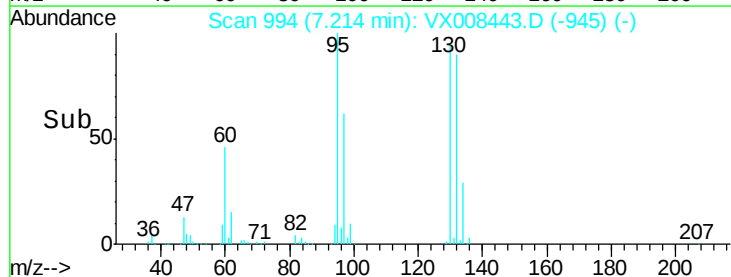
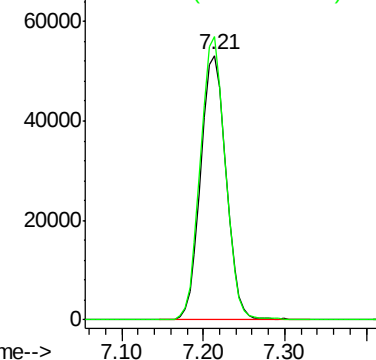
#44

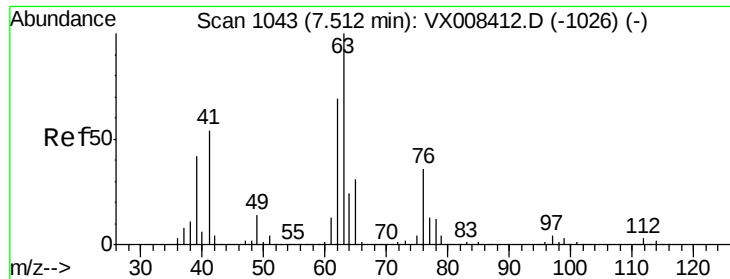
Trichloroethene
 Concen: 45.946 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	208.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.319 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 142665

Ion Ratio Lower Upper

63 100

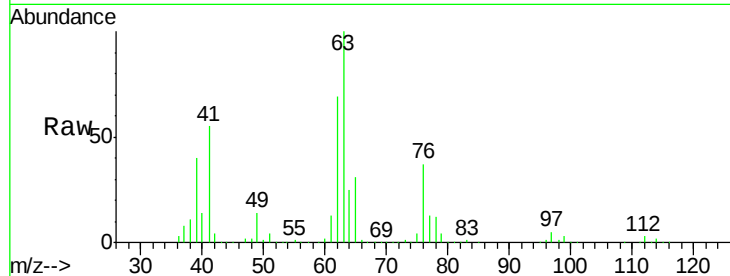
65 30.5 25.1 37.7

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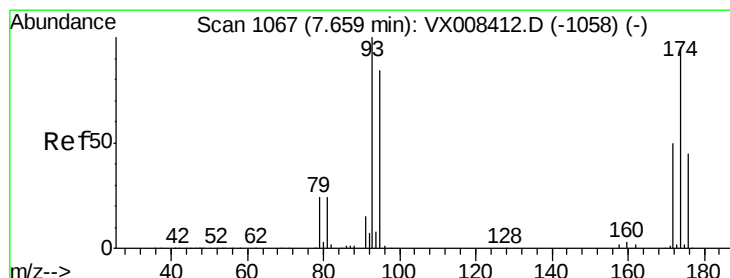
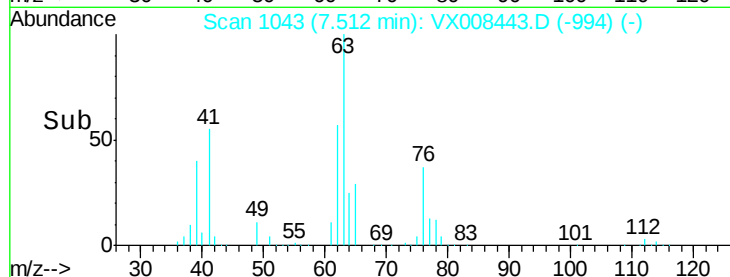
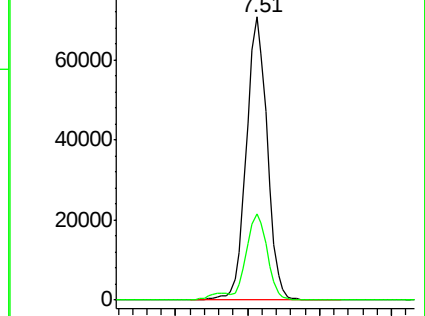
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.283 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

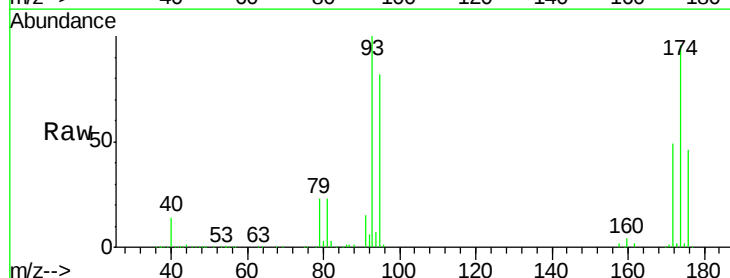
Tgt Ion: 93 Resp: 83247

Ion Ratio Lower Upper

93 100

95 82.1 67.0 100.6

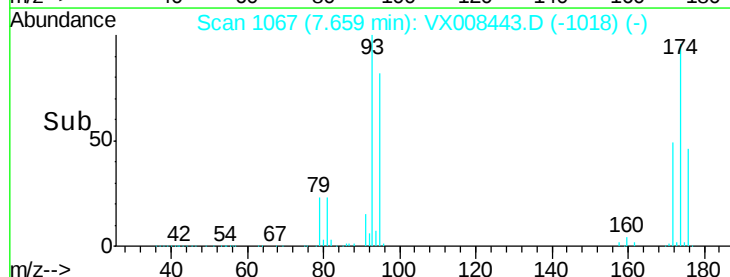
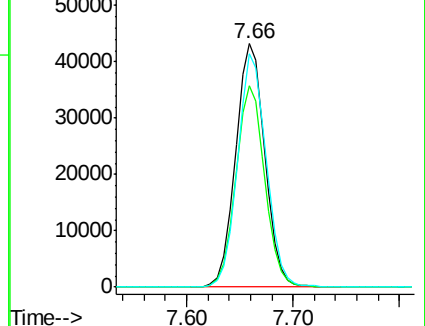
174 94.1 76.0 114.0

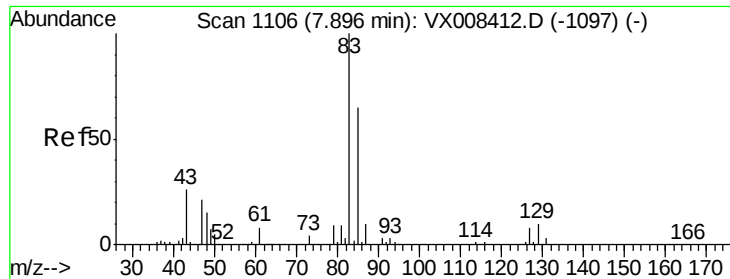


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.527 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 163533

Ion Ratio Lower Upper

83 100

85 65.4 52.0 78.0

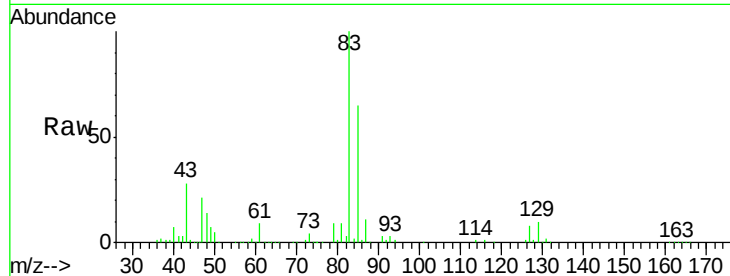
127 7.9 6.4 9.6

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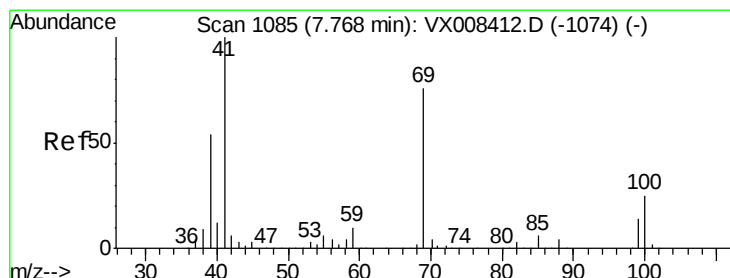
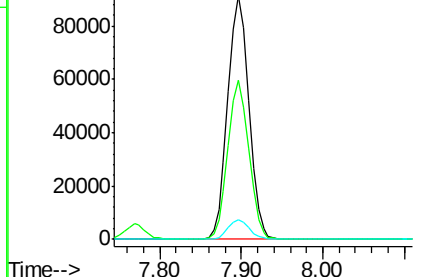
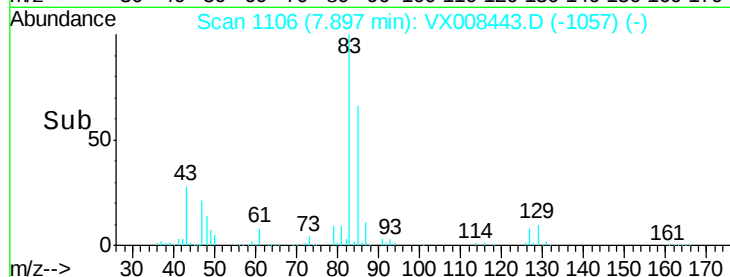
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.997 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

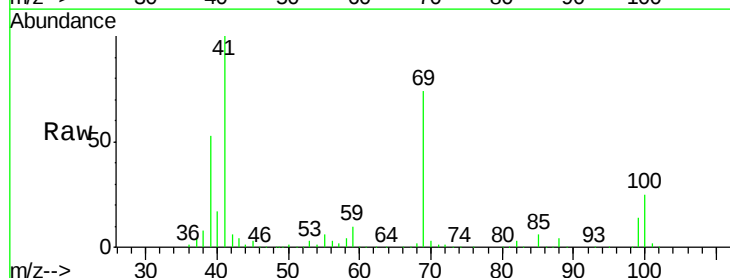
Tgt Ion: 41 Resp: 179994

Ion Ratio Lower Upper

41 100

69 75.9 60.8 91.2

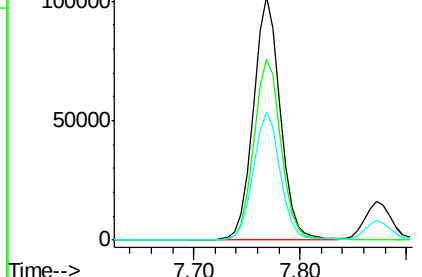
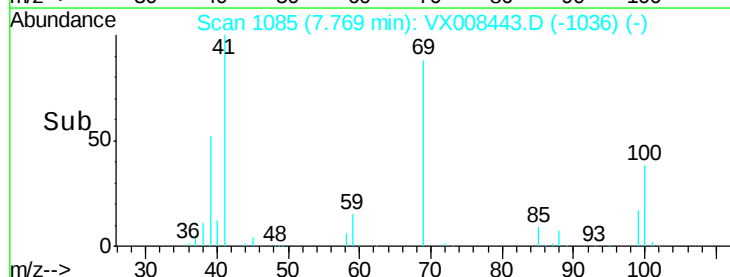
39 52.9 42.3 63.5

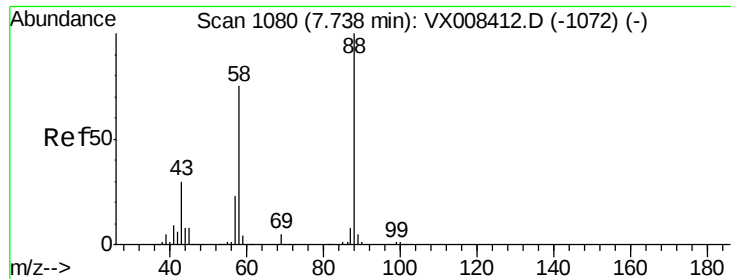


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





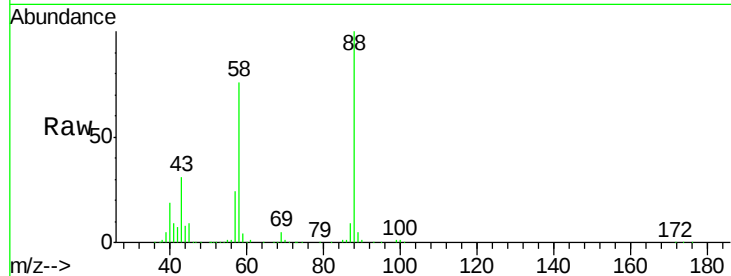
#49
1,4-Dioxane
Concen: 978.073 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

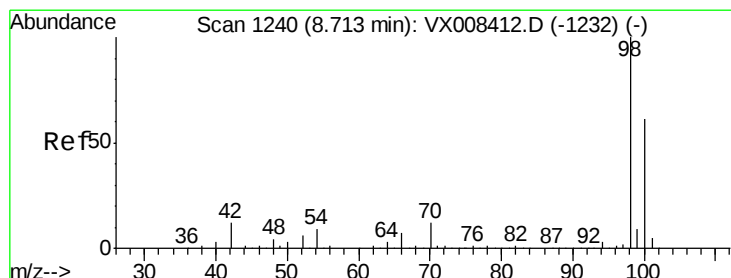
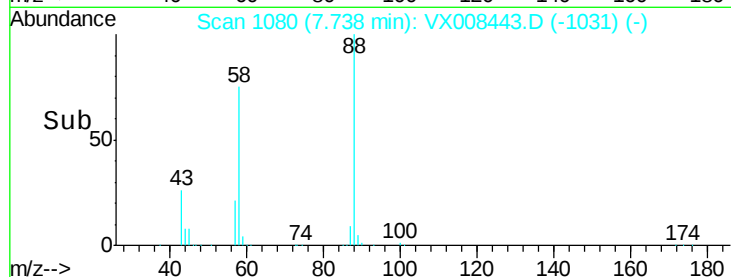
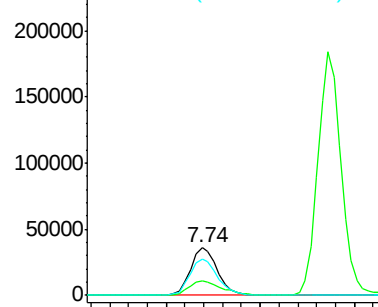
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	43.0
58	78.9	63.0	94.4

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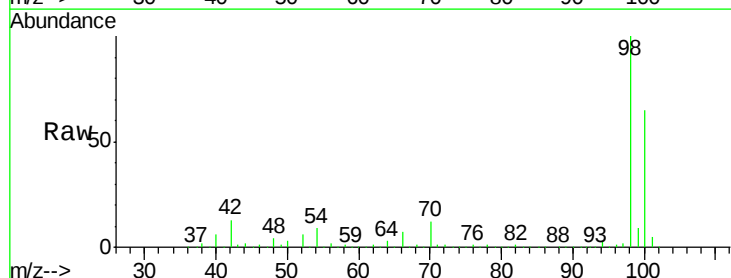


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

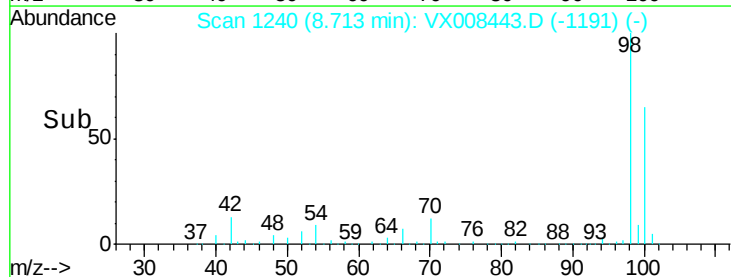
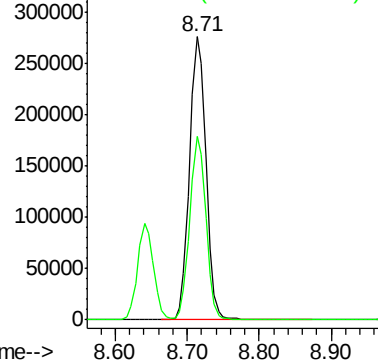


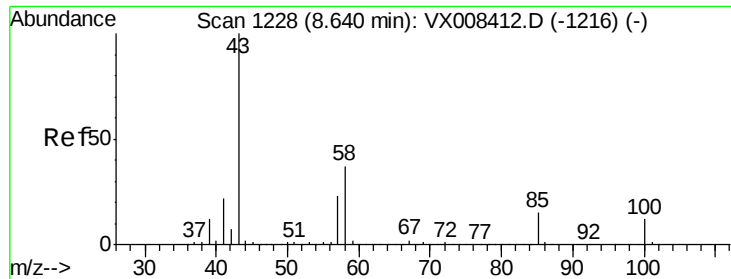
#50
Toluene-d8
Concen: 50.365 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 248.363 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1184333

Ion Ratio Lower Upper

43 100

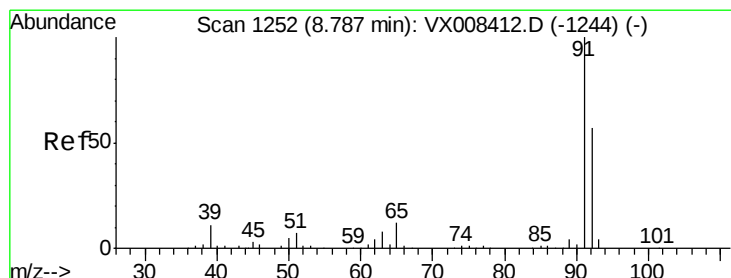
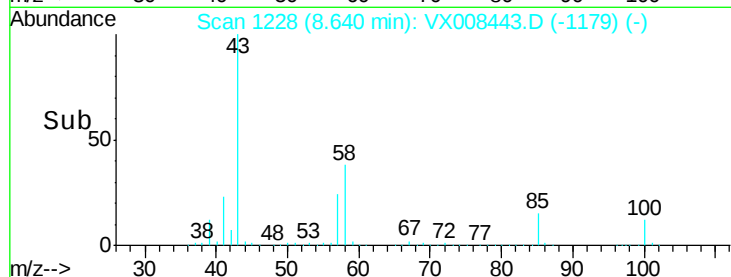
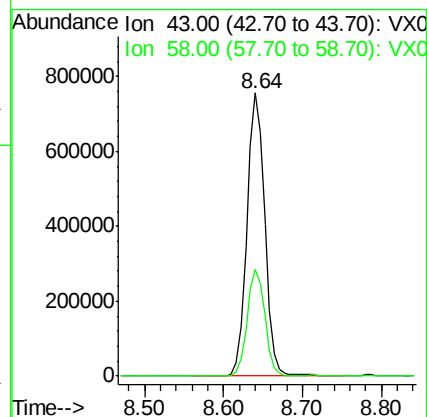
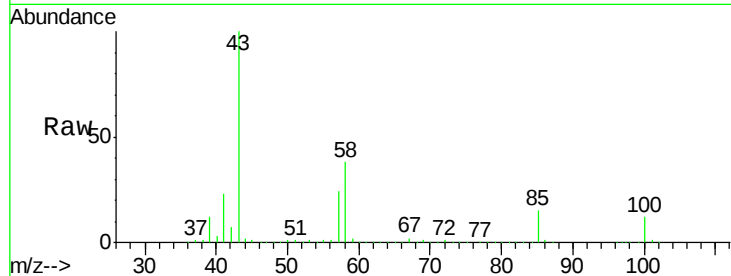
58 37.5 29.8 44.8

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#52

Toluene

Concen: 47.262 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008443.D

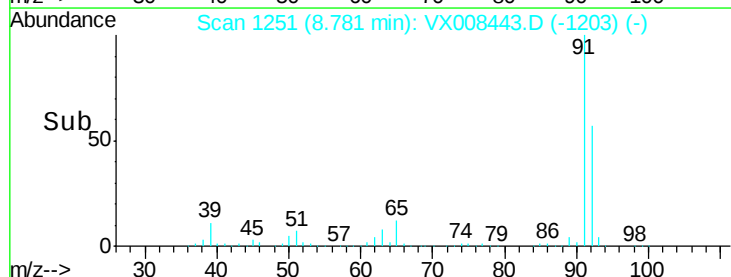
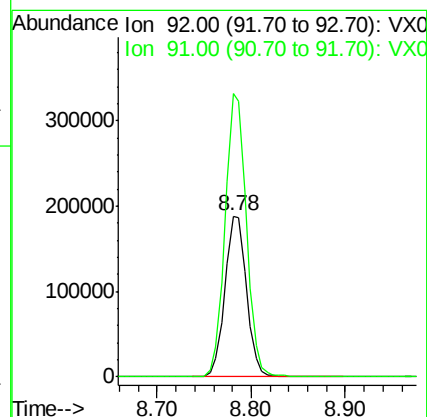
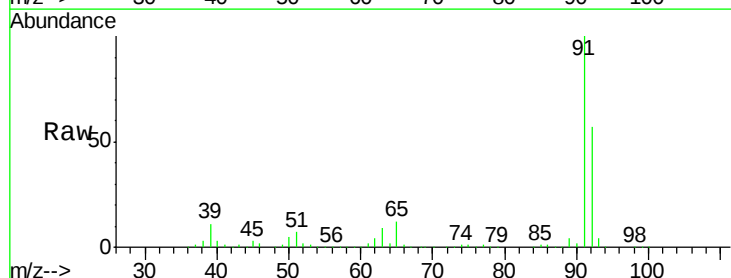
Acq: 26 Mar 2019 04:21

Tgt Ion: 92 Resp: 299754

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.4





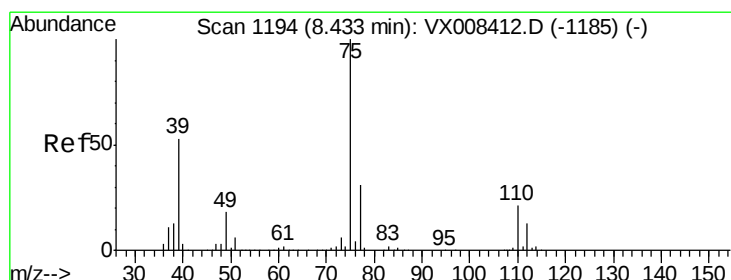
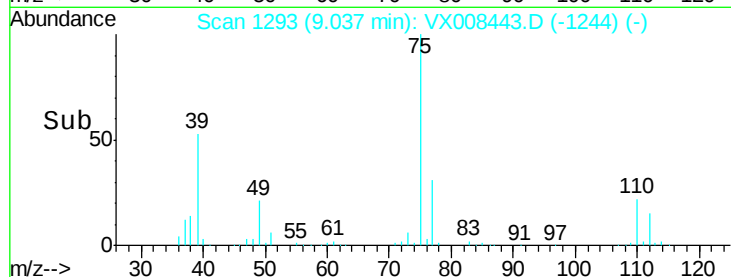
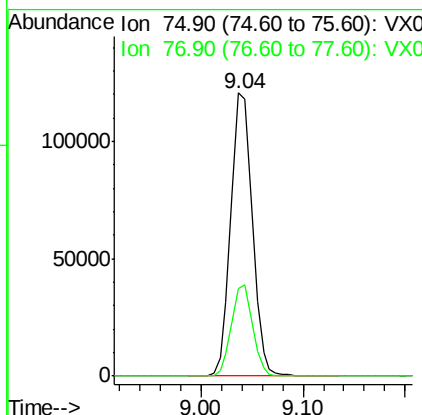
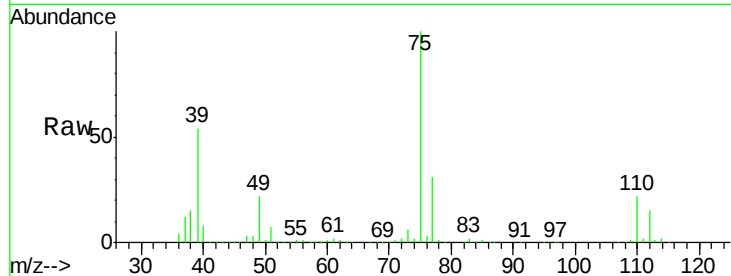
#53
t-1,3-Dichloropropene
Concen: 47.689 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 176024
Ion Ratio Lower Upper
75 100
77 31.0 24.3 36.5

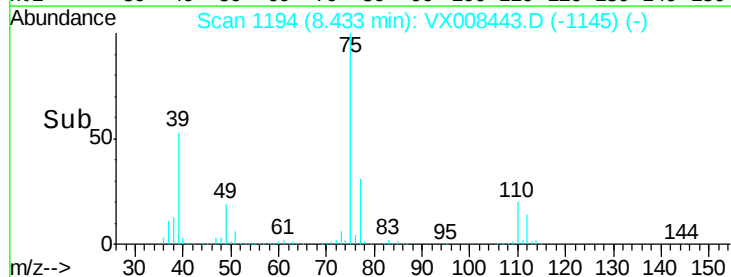
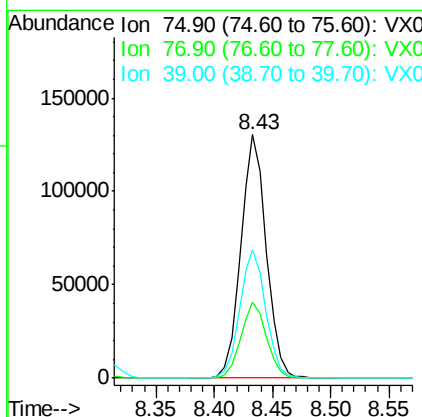
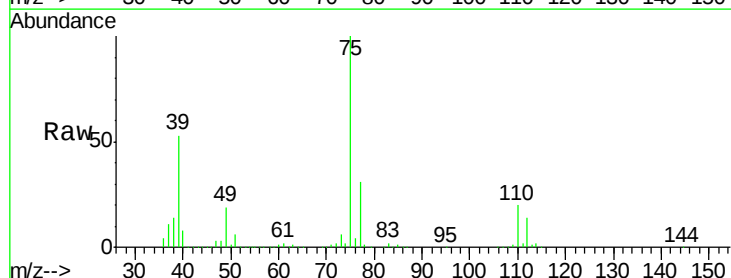
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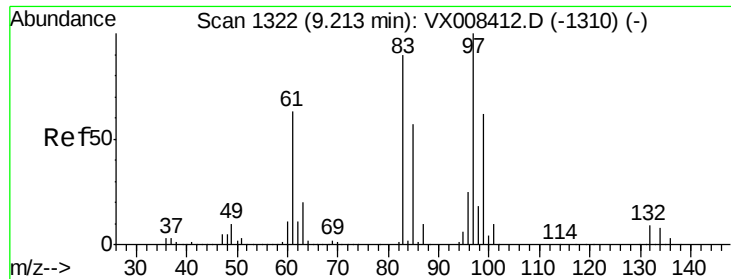
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#54
cis-1,3-Dichloropropene
Concen: 47.207 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion: 75 Resp: 198141
Ion Ratio Lower Upper
75 100
77 31.0 24.7 37.1
39 52.5 42.4 63.6





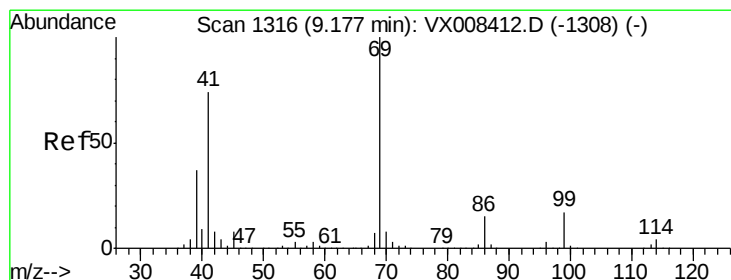
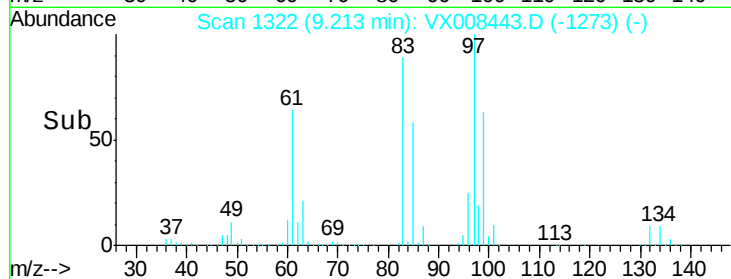
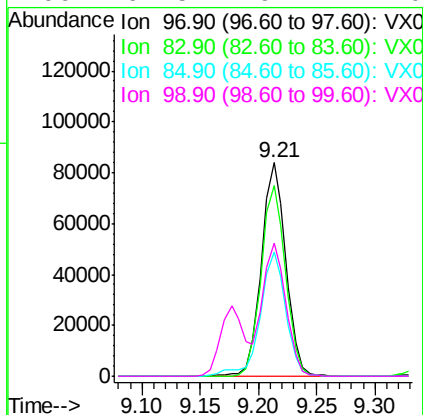
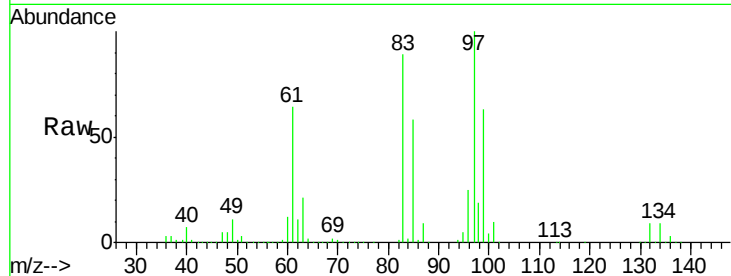
#55
 1,1,2-Trichloroethane
 Concen: 47.410 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	122401
Ion Ratio	Lower	Upper	
97	100		
83	89.4	71.8	107.6
85	58.0	45.9	68.9
99	62.5	49.4	74.0

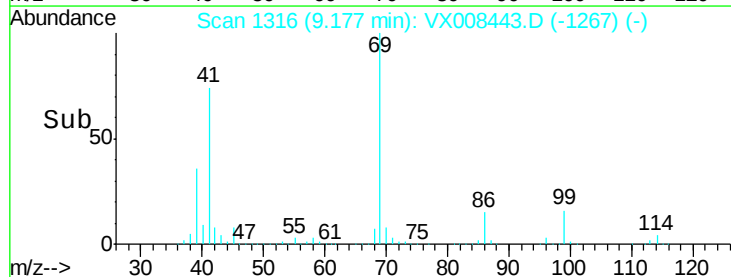
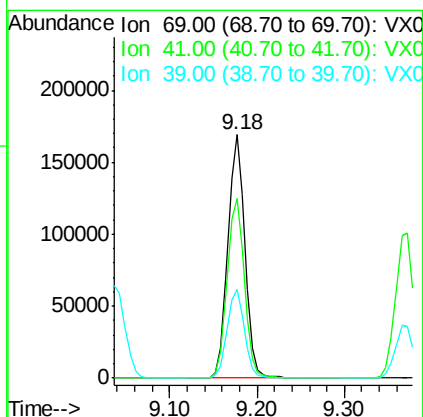
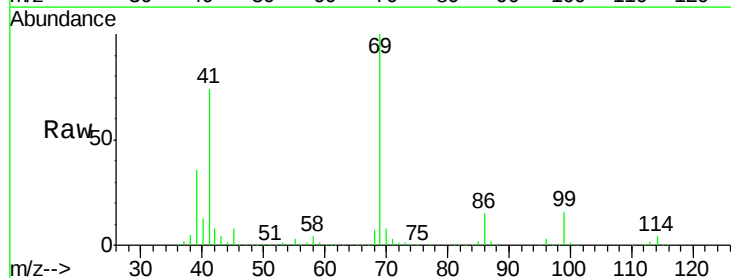
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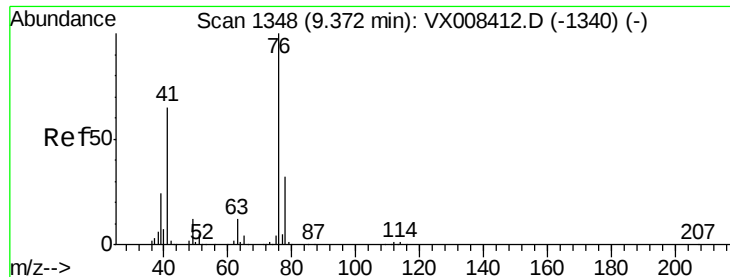
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#56
 Ethyl methacrylate
 Concen: 49.281 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion:	69	Resp:	229667
Ion Ratio	Lower	Upper	
69	100		
41	74.5	59.5	89.3
39	36.8	29.3	43.9





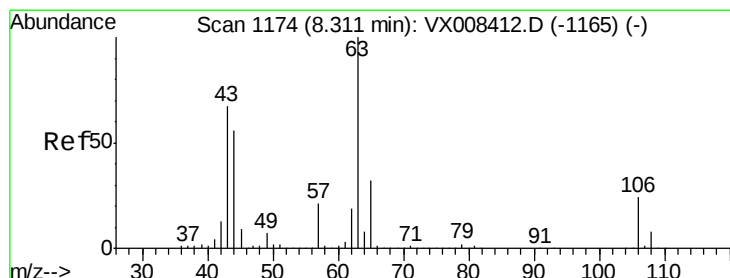
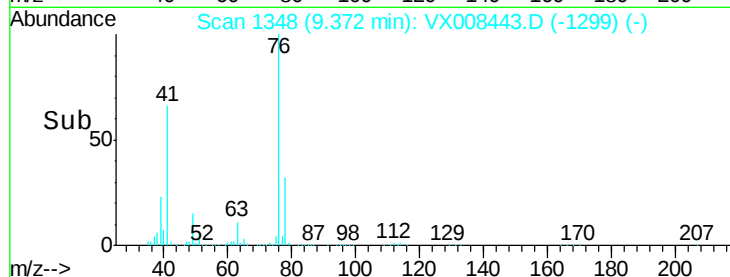
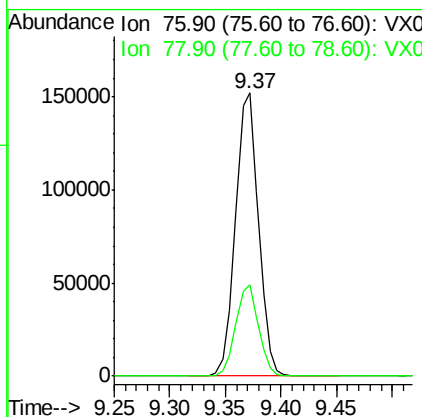
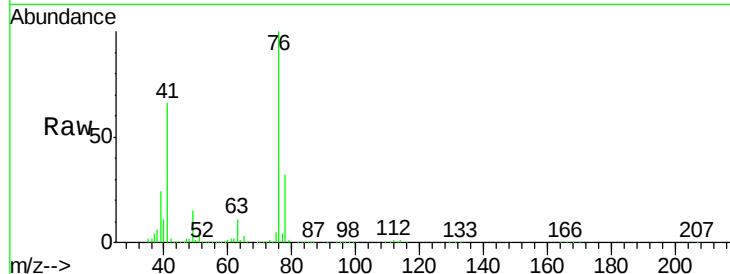
#57
 1,3-Dichloropropane
 Concen: 46.917 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 217175
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

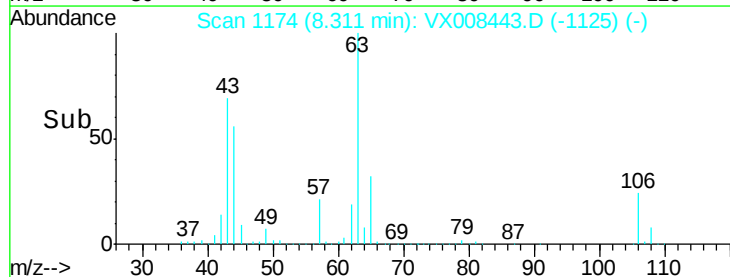
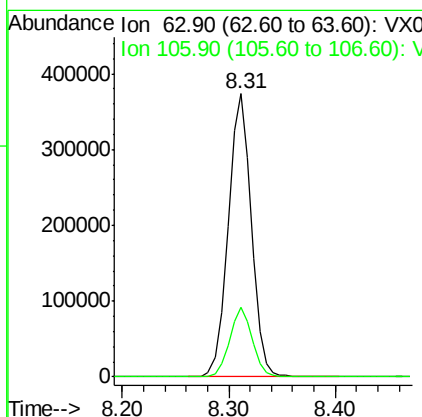
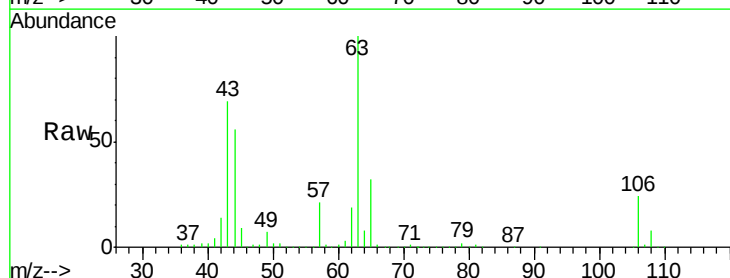
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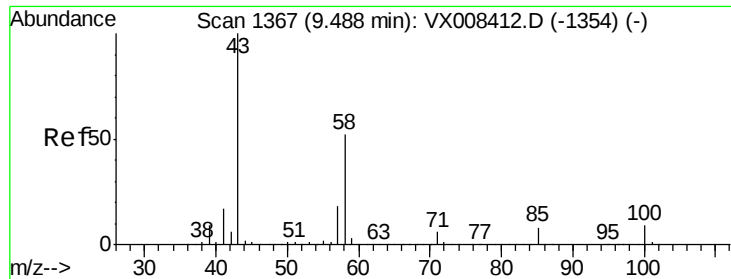
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#58
 2-Chloroethyl Vinyl ether
 Concen: 235.579 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion: 63 Resp: 567509
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.0 28.6





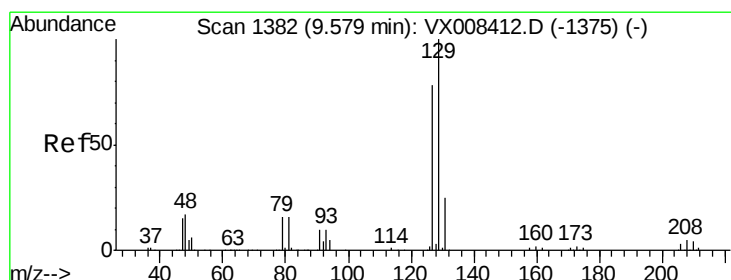
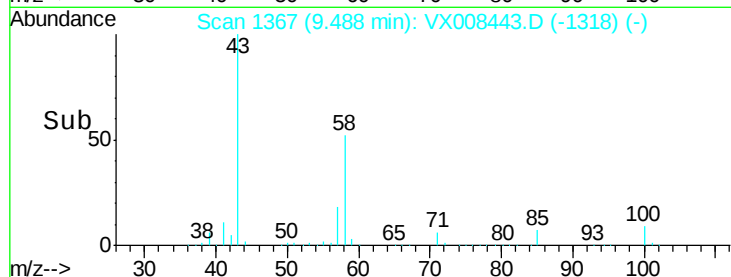
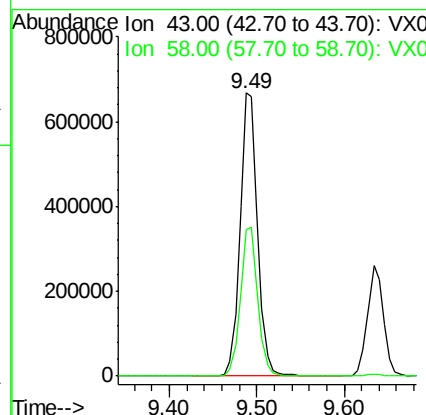
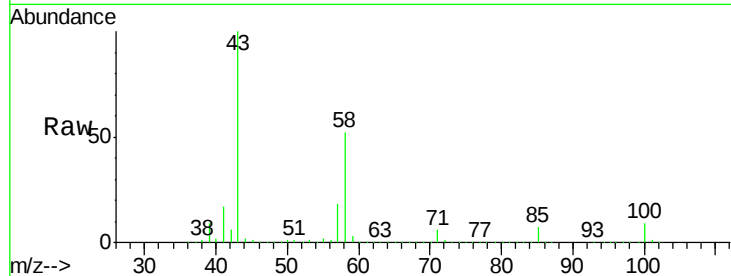
#59
2-Hexanone
Concen: 252.315 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.3	78.9

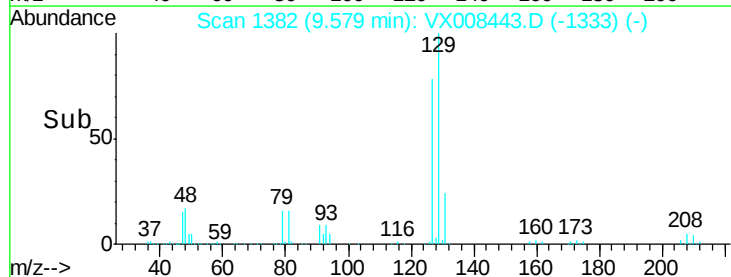
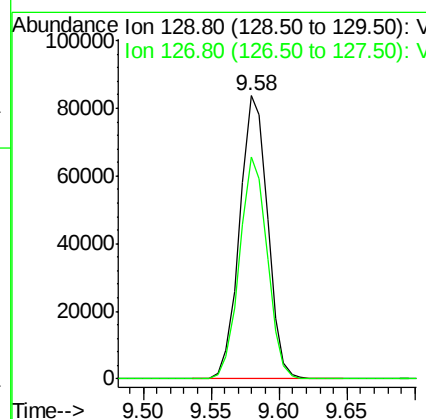
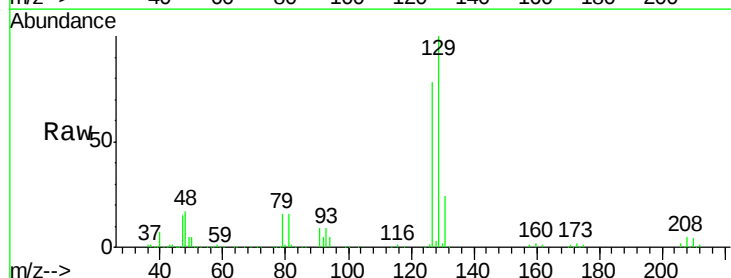
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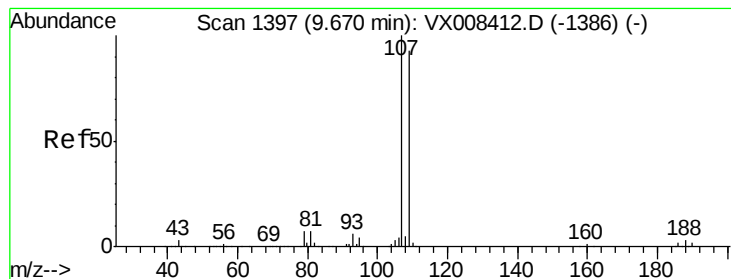
MMDadoda
3/26/2019 9:47:26 AM



#60
Dibromochloromethane
Concen: 48.917 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.3





#61

1,2-Dibromoethane

Concen: 47.601 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 125416

Ion Ratio Lower Upper

107 100

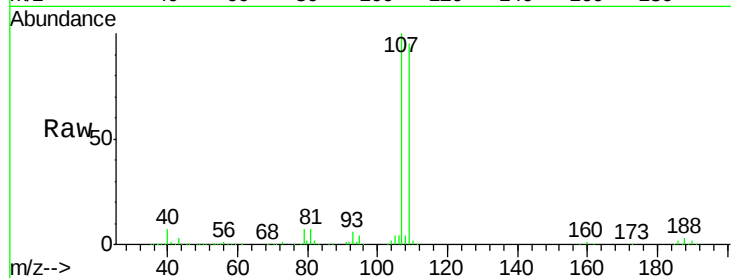
109 93.9 74.6 111.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

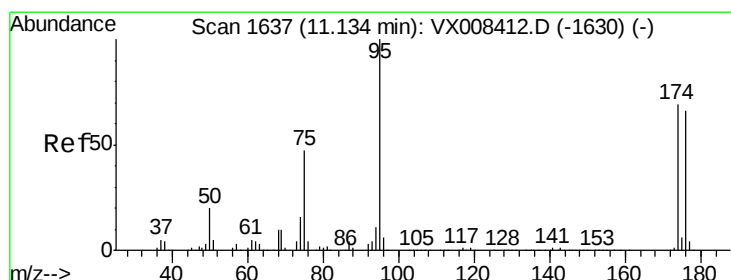
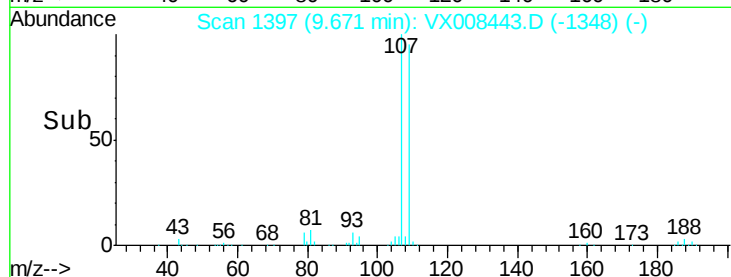
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.577 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

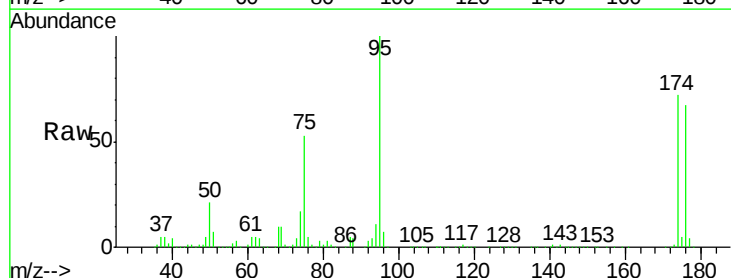
Tgt Ion: 95 Resp: 162382

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.2

176 72.3 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

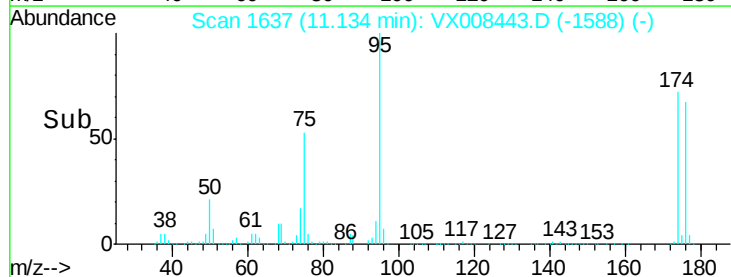
150000

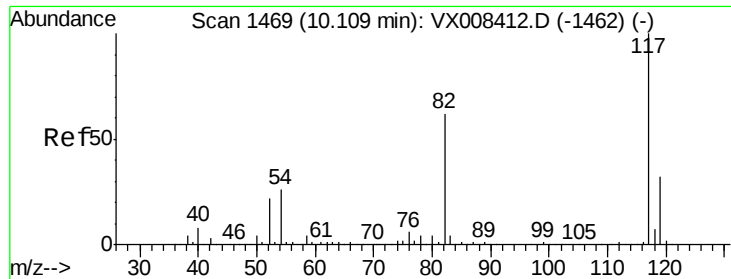
100000

50000

0

Time-->





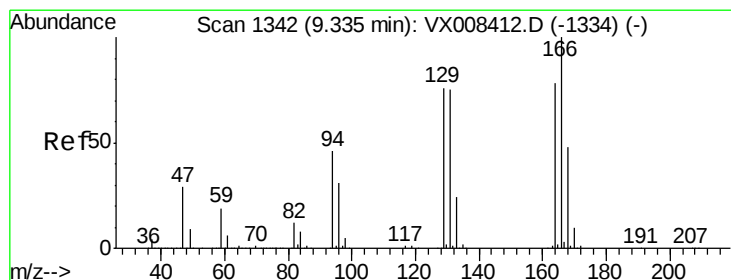
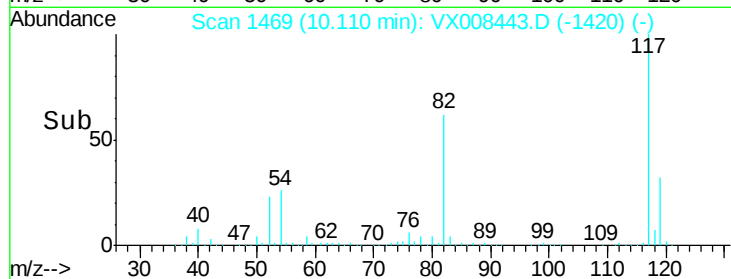
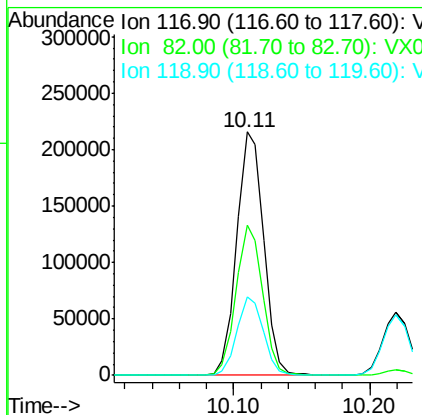
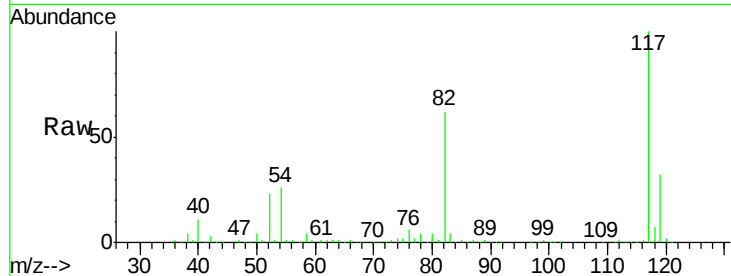
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.4	74.2
119	32.0	25.4	38.0

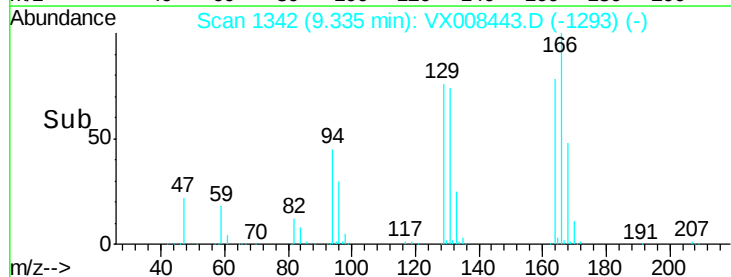
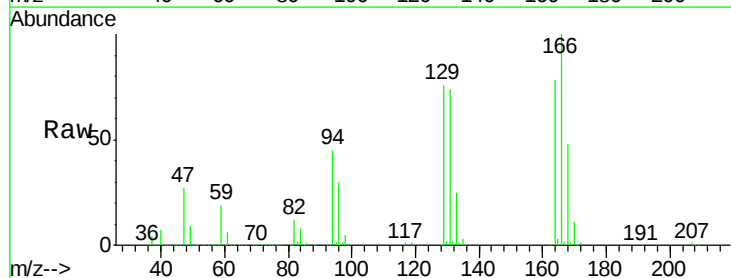
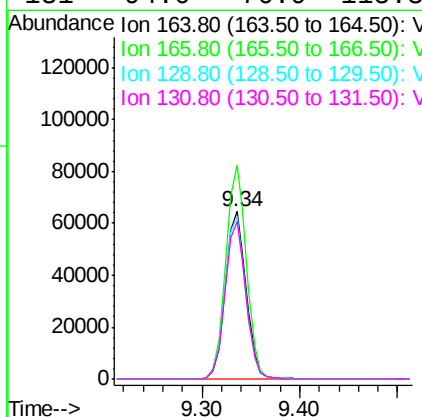
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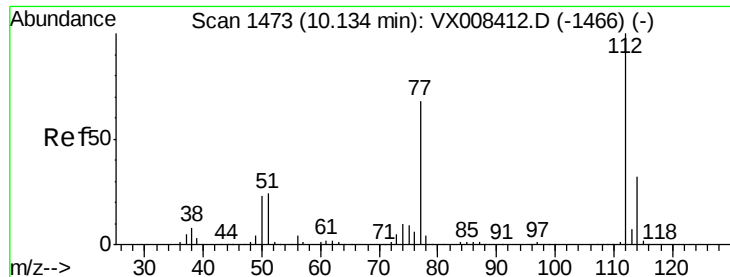
MMDadoda
3/26/2019 9:47:26 AM



#64
Tetrachloroethene
Concen: 46.812 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.5	153.7
129	97.6	77.8	116.8
131	94.0	76.9	115.3





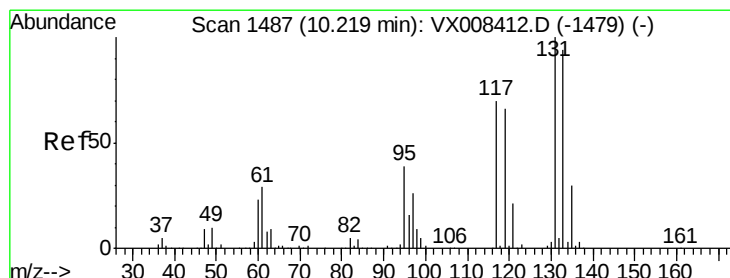
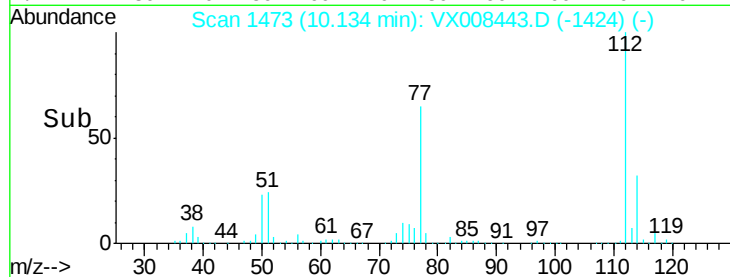
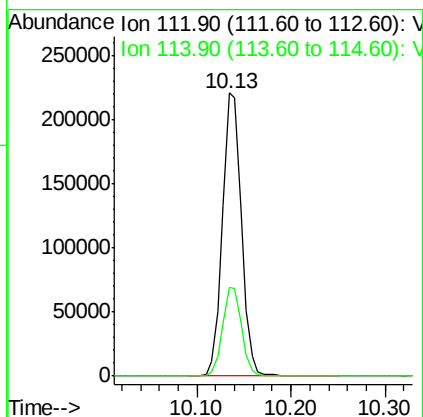
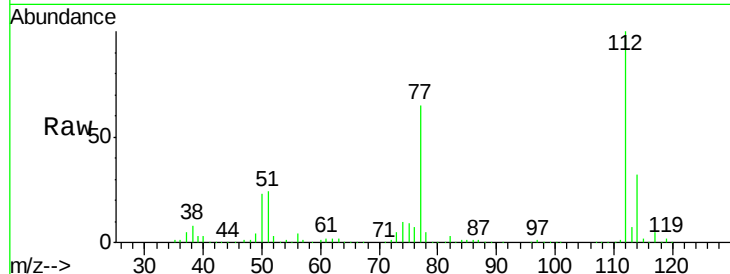
#65
Chlorobenzene
Concen: 47.486 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 308072
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

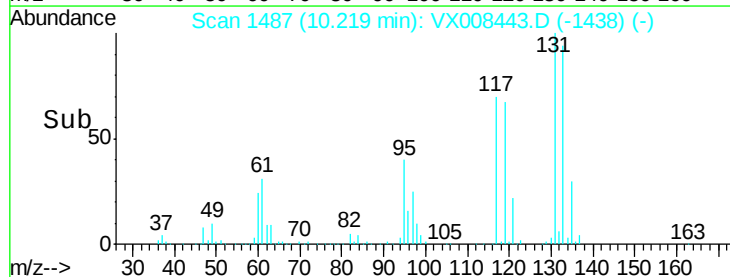
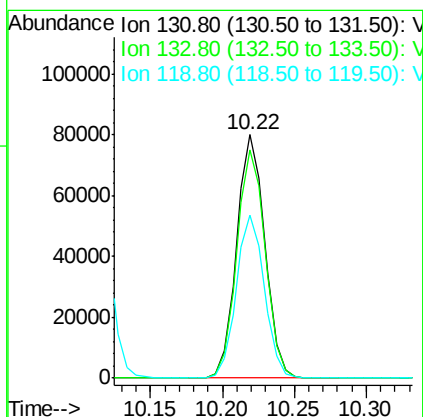
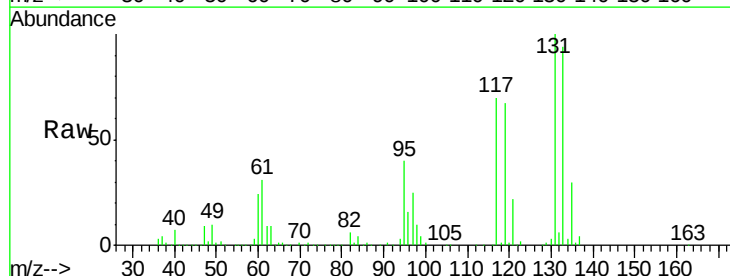
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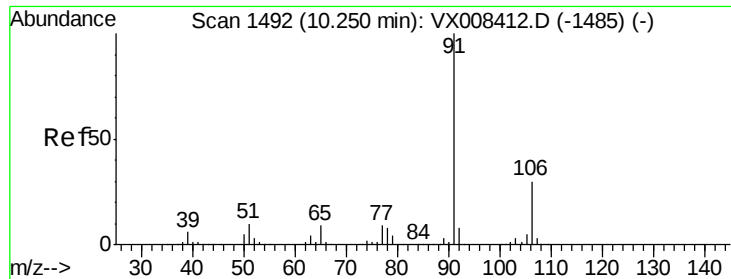
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.627 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion:131 Resp: 108840
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 66.9 33.6 100.6





#67

Ethyl Benzene

Concen: 47.342 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 579651

Ion Ratio Lower Upper

91 100

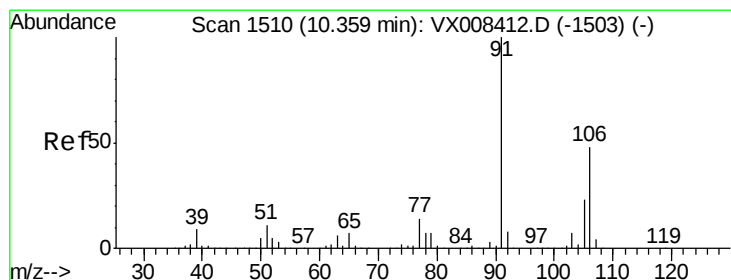
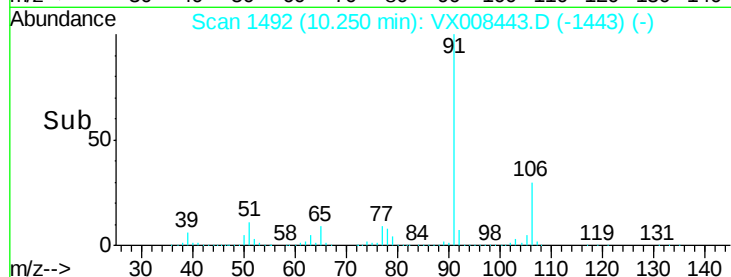
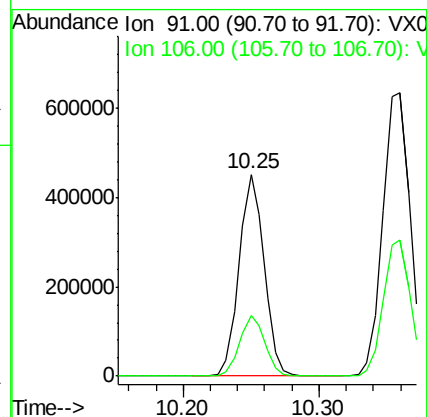
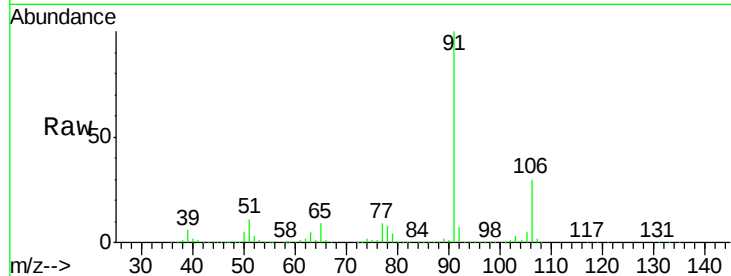
106 29.9 24.0 36.0

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#68

m/p-Xylenes

Concen: 94.650 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008443.D

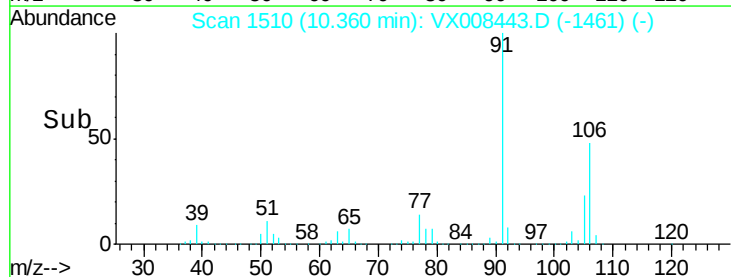
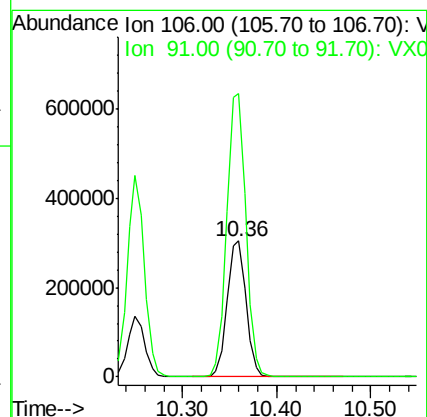
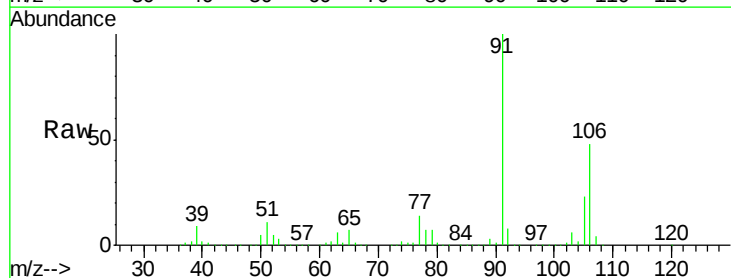
Acq: 26 Mar 2019 04:21

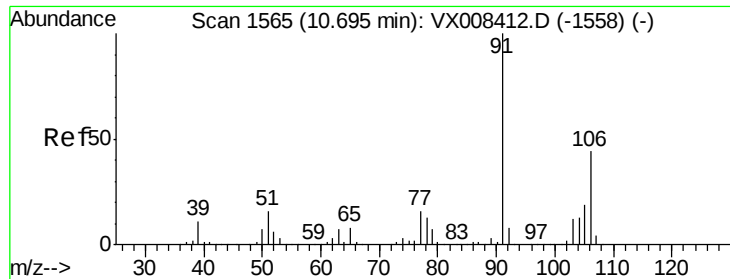
Tgt Ion: 106 Resp: 421596

Ion Ratio Lower Upper

106 100

91 210.7 168.6 253.0





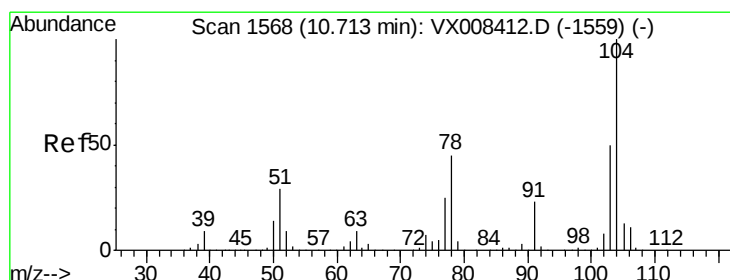
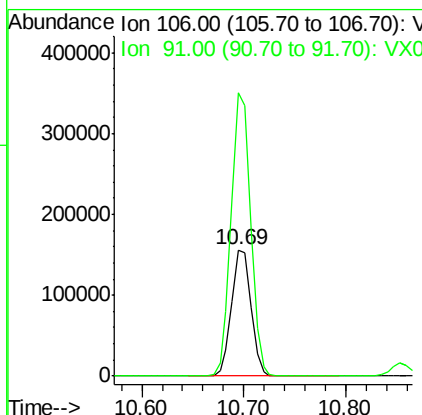
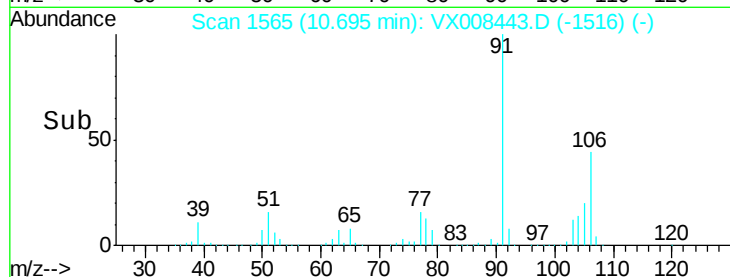
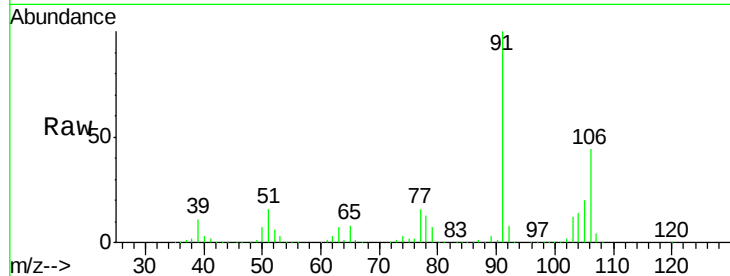
#69
o-Xylene
Concen: 47.609 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 205792
Ion Ratio Lower Upper
106 100
91 223.8 111.4 334.2

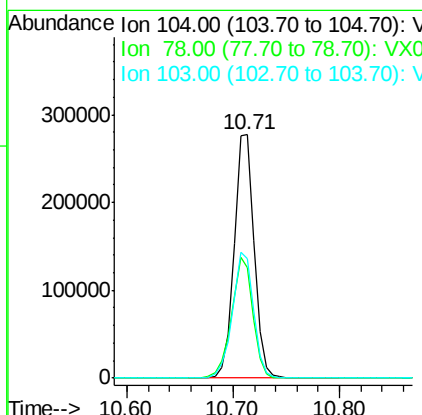
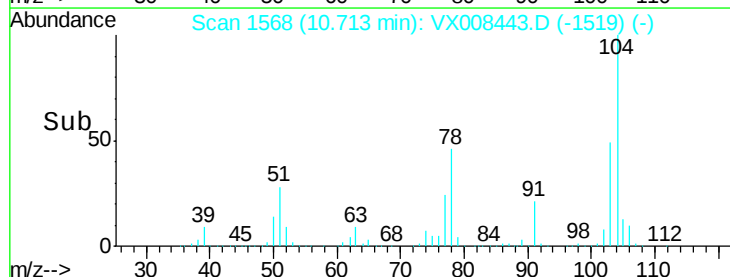
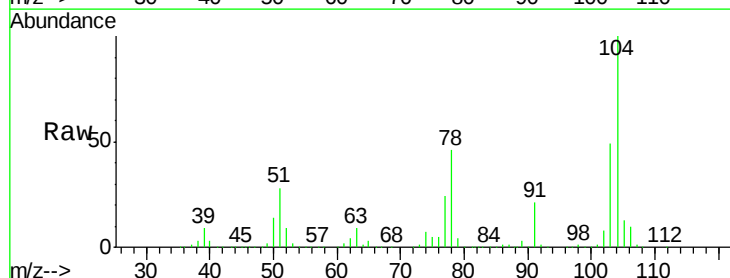
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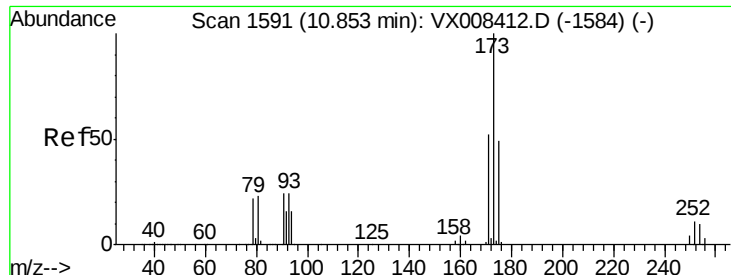
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#70
Styrene
Concen: 49.026 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion:104 Resp: 366056
Ion Ratio Lower Upper
104 100
78 52.6 42.5 63.7
103 54.8 44.2 66.4





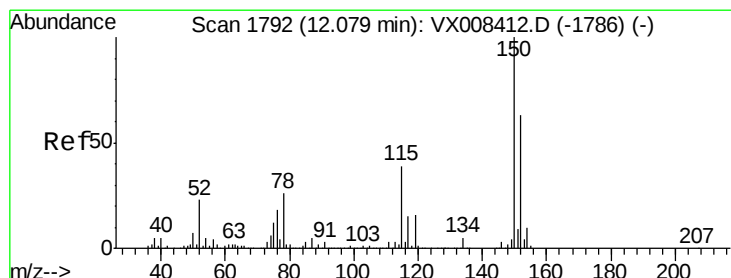
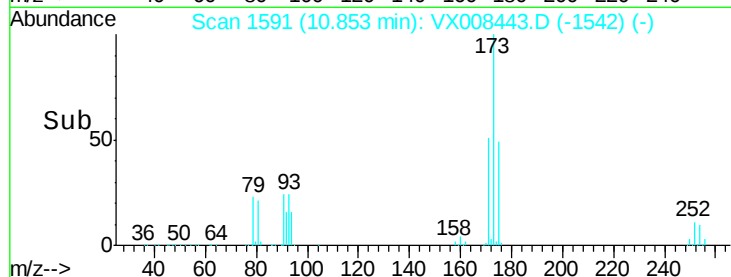
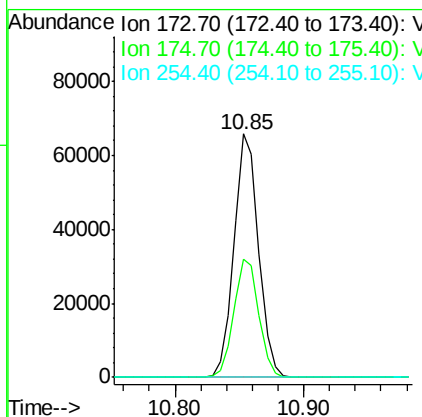
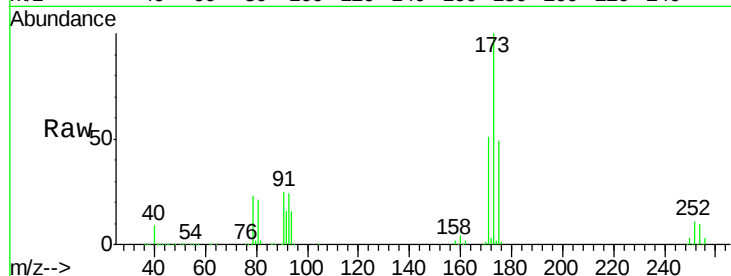
#71
Bromoform
Concen: 49.389 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.2	0.2	0.2

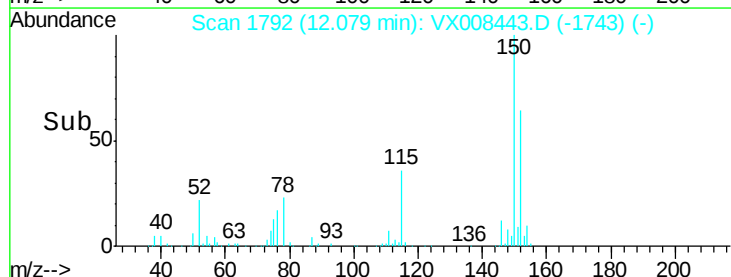
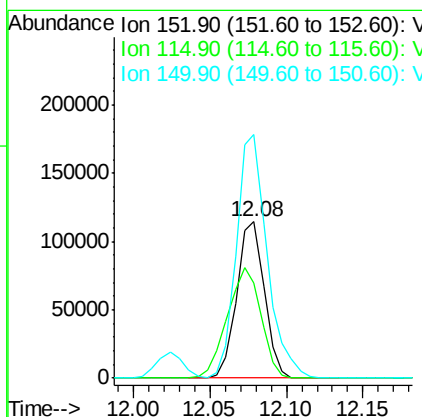
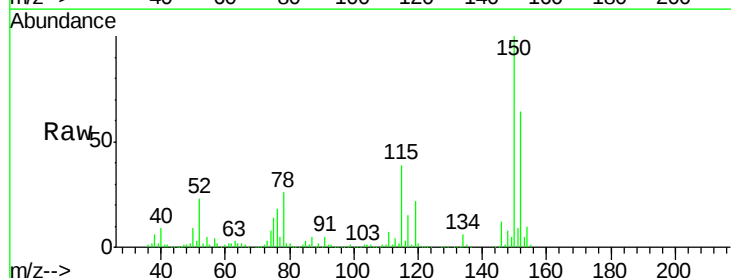
Manual Integrations
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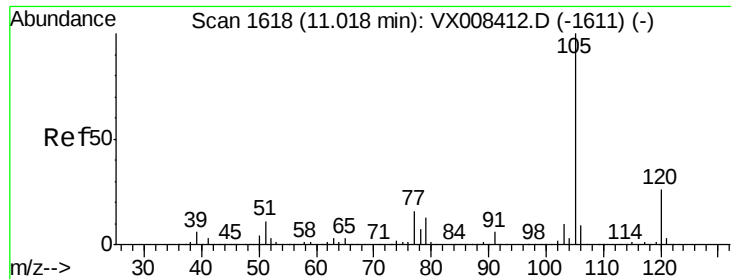
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3/26/2019 9:47:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.1	43.5	130.5
150	173.0	0.0	348.8





#73

Isopropylbenzene

Concen: 46.791 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 54532

Ion Ratio Lower Upper

105 100

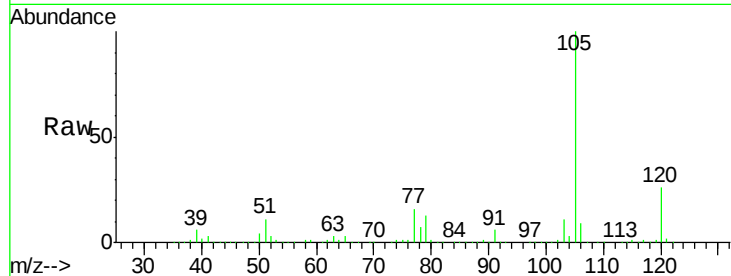
120 25.9 12.9 38.7

Manual Integrations

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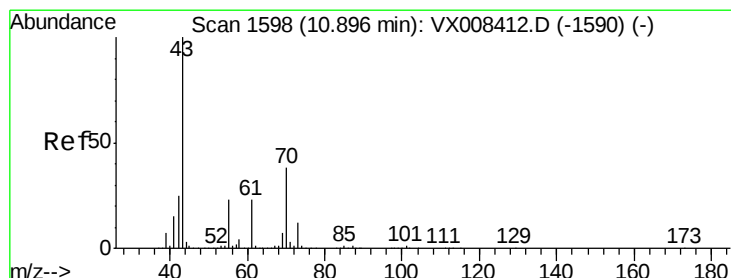
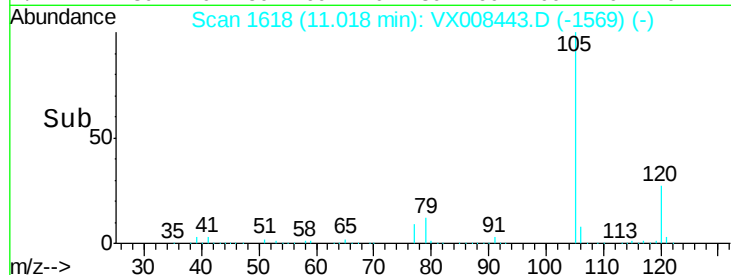
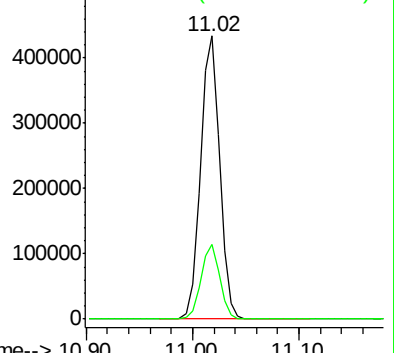
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.032 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion: 43 Resp: 337636

Ion Ratio Lower Upper

43 100

70 37.9 30.5 45.7

55 22.8 18.2 27.2

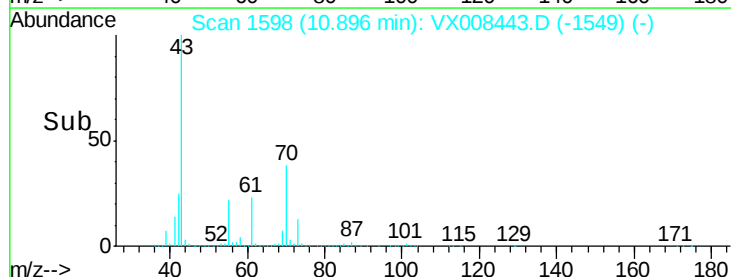
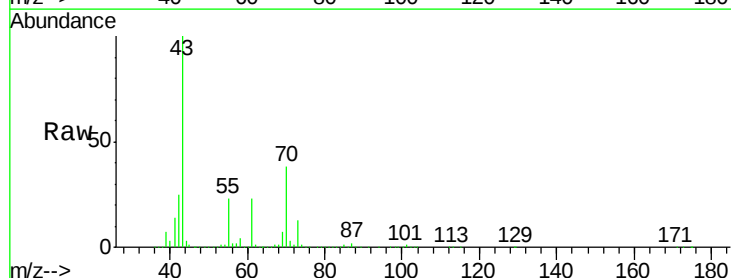
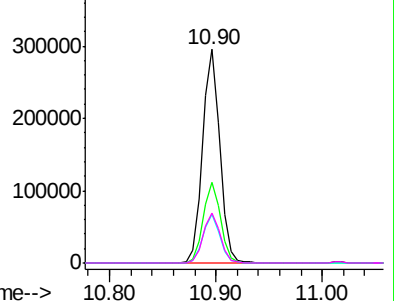
61 23.1 18.4 27.6

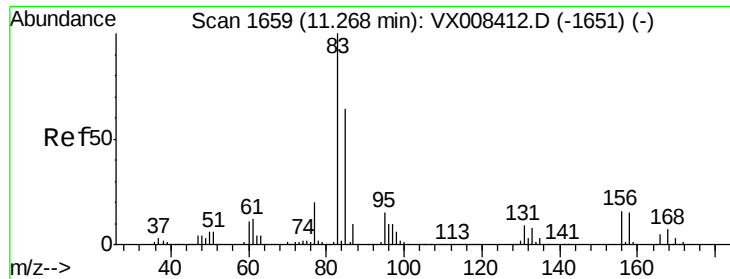
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.289 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

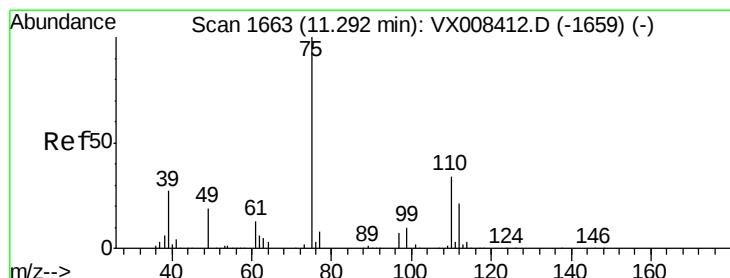
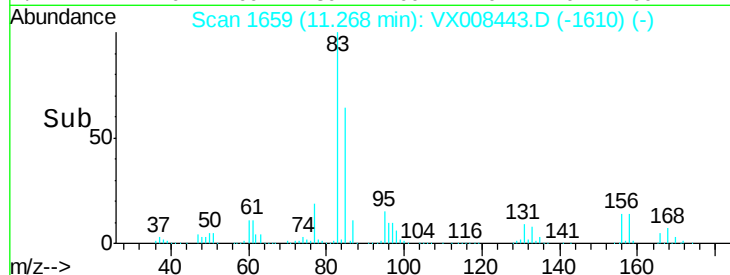
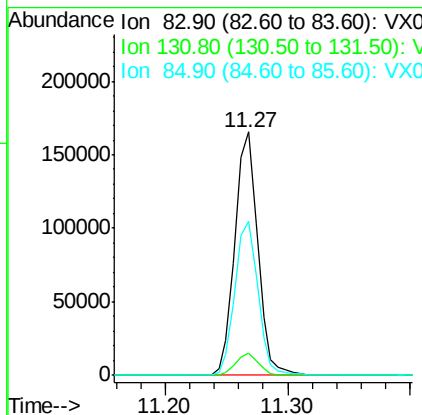
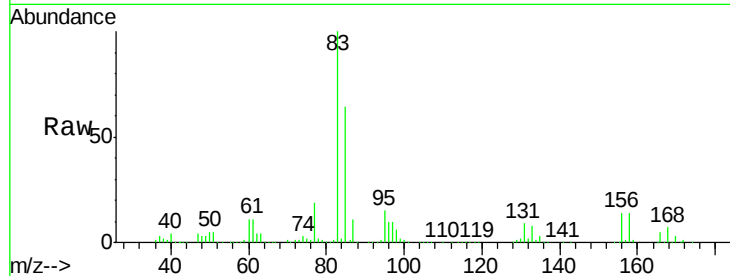
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	213918
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.4
85	63.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 42.171 ug/l m

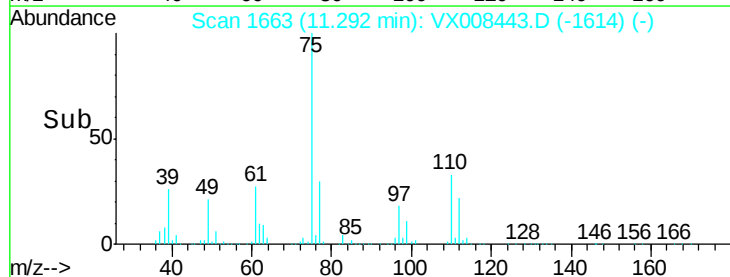
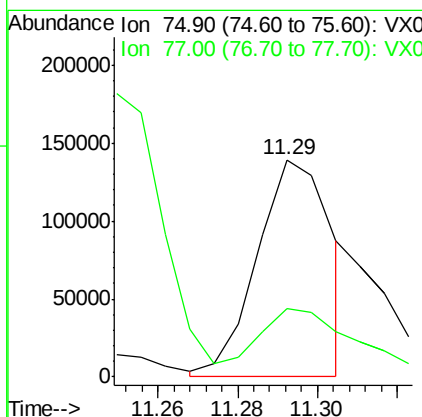
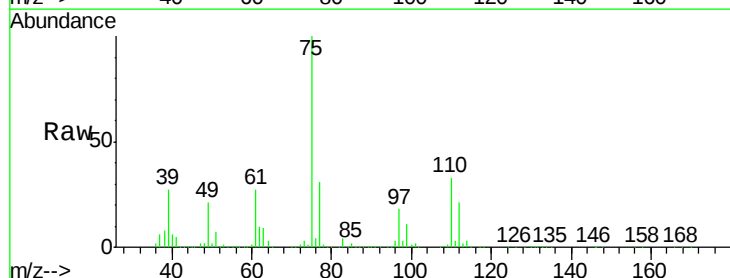
RT: 11.29 min Scan# 1663

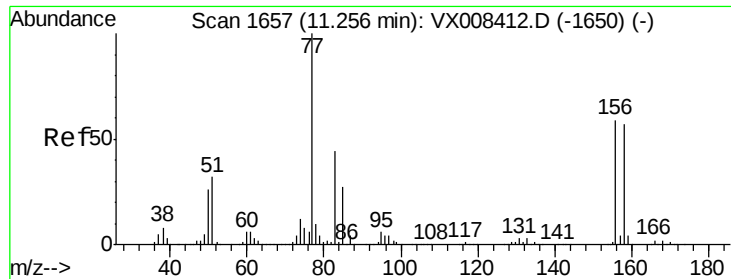
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	75	Resp:	179671
Ion Ratio	Lower	Upper	
75	100		
77	42.1	21.9	65.7





#77

Bromobenzene

Concen: 46.178 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 130668

Ion Ratio Lower Upper

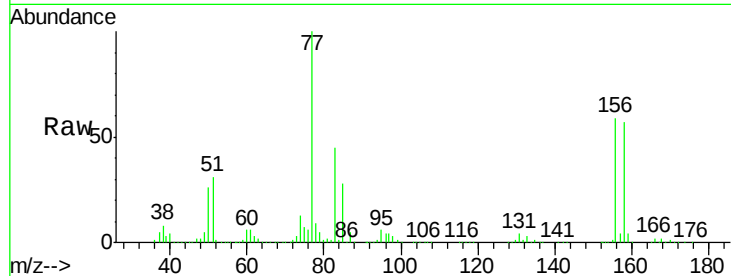
156 100

77 182.9 91.1 273.3

158 96.4 48.3 144.8

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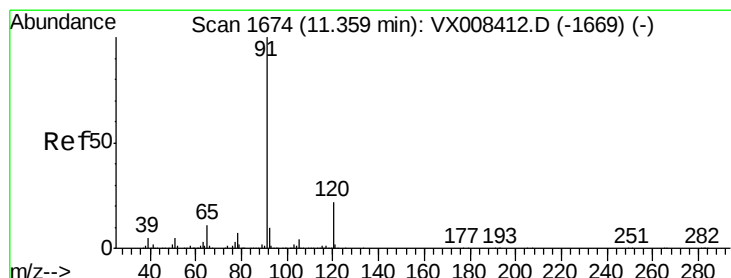
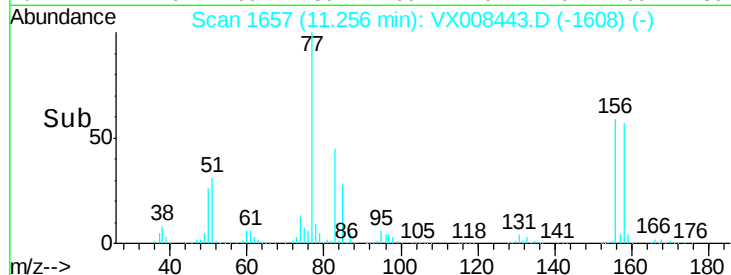
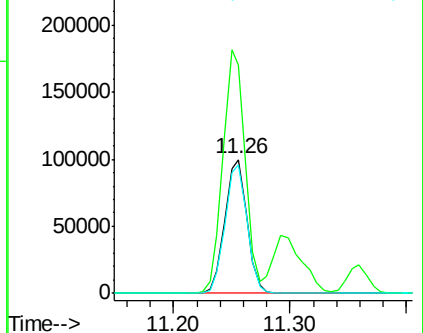
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.368 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008443.D

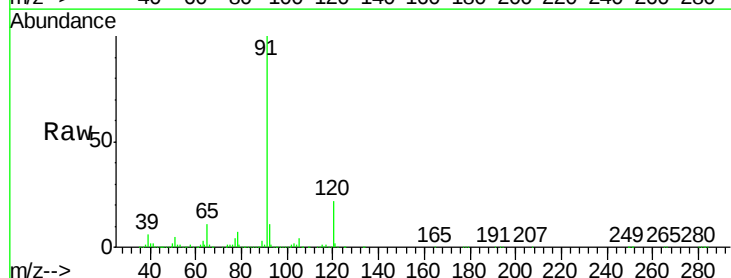
Acq: 26 Mar 2019 04:21

Tgt Ion: 91 Resp: 646944

Ion Ratio Lower Upper

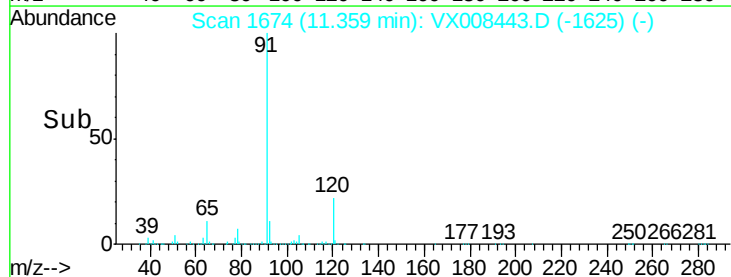
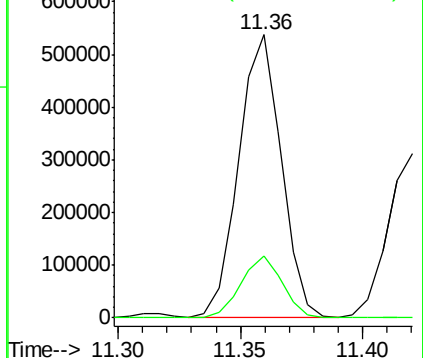
91 100

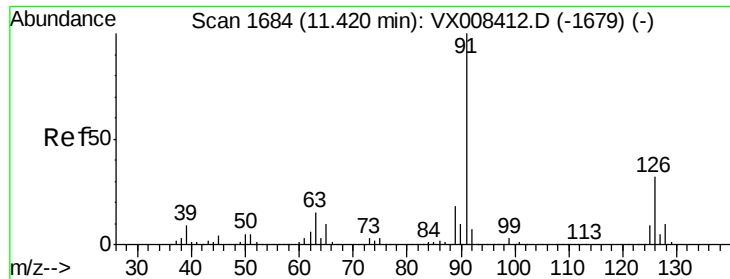
120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





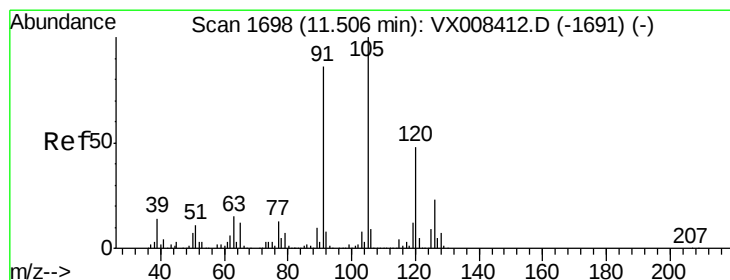
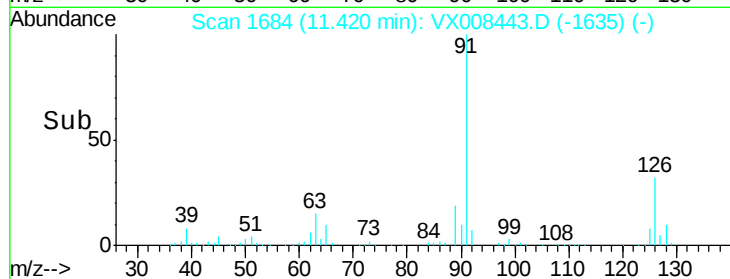
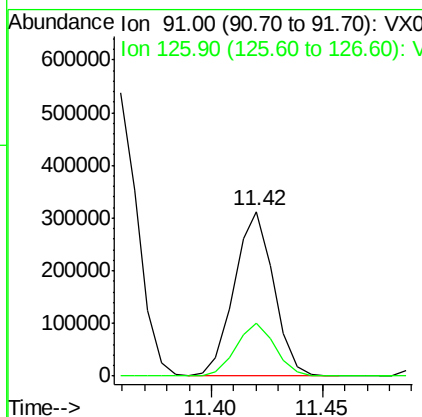
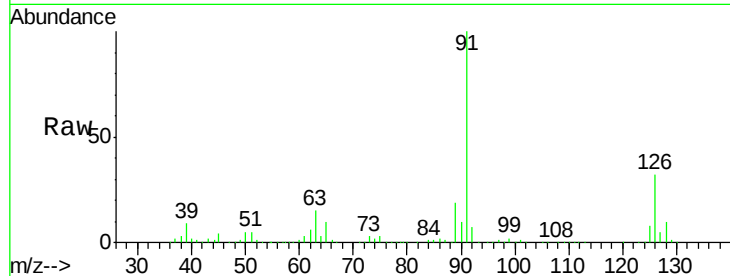
#79
 2-Chlorotoluene
 Concen: 46.309 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 384694
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.7 47.1

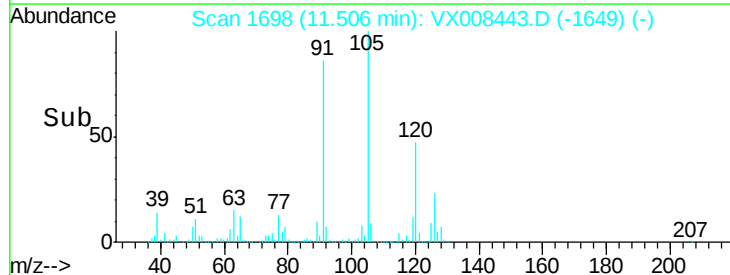
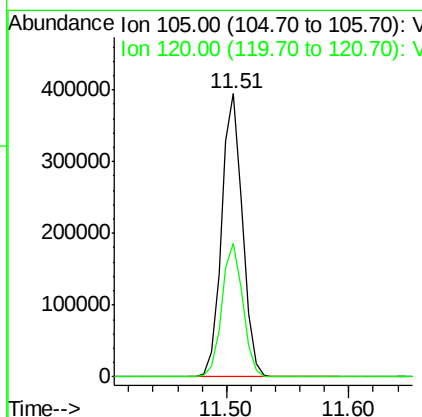
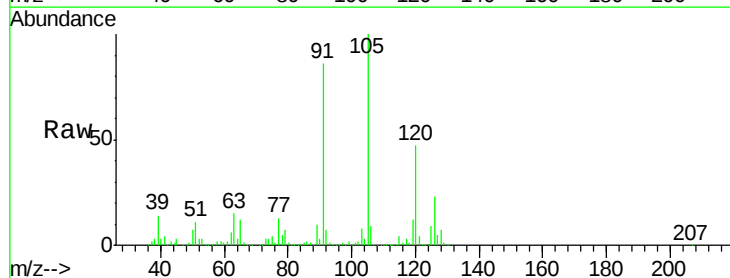
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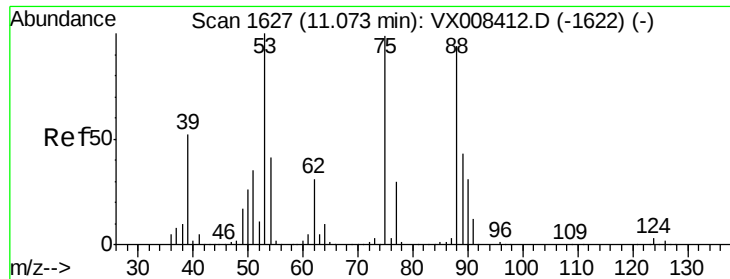
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.113 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion: 105 Resp: 464382
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.3





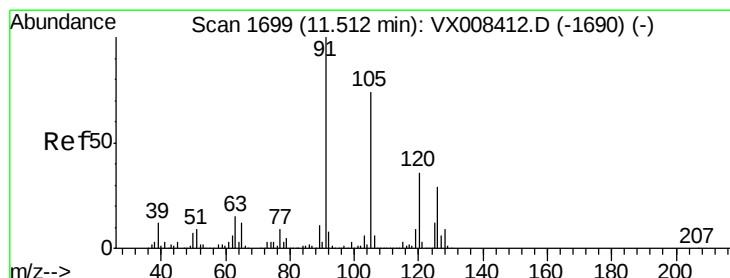
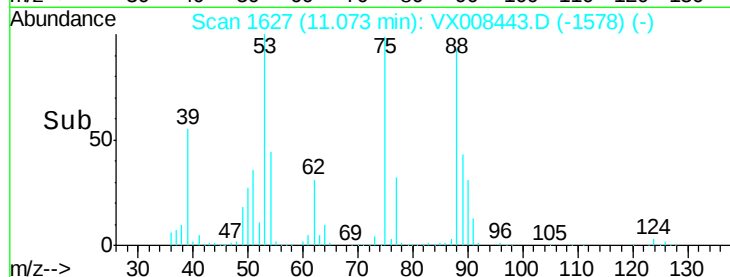
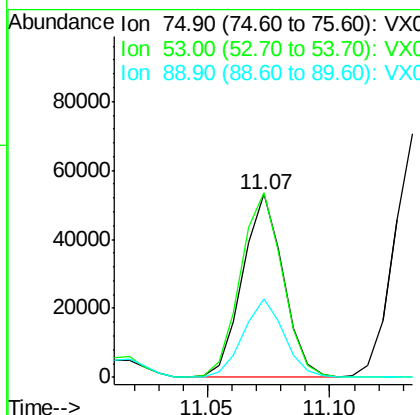
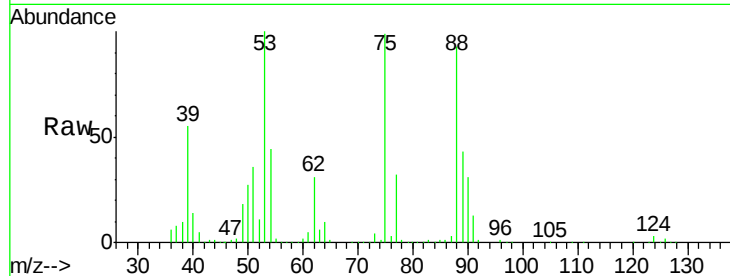
#81
trans-1,4-Dichloro-2-butene
Concen: 46.285 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 61569
Ion Ratio Lower Upper
75 100
53 104.5 82.1 123.1
89 43.1 34.6 52.0

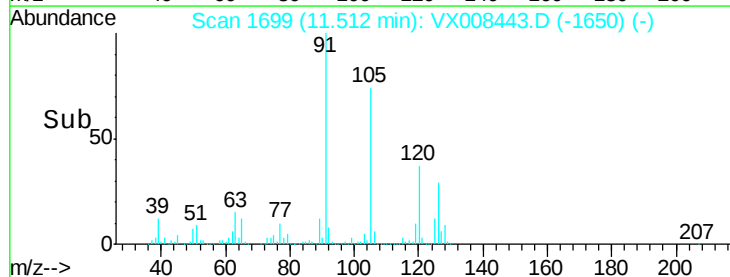
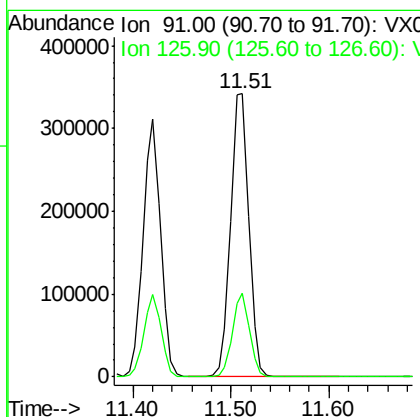
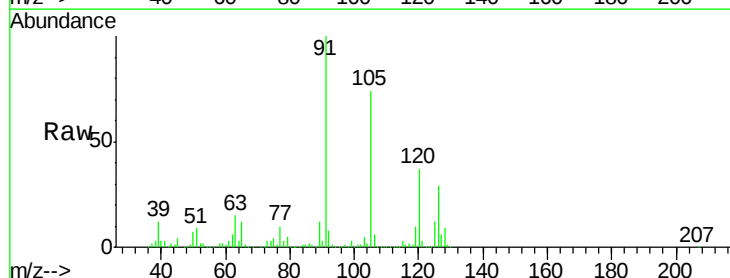
Manual Integrations
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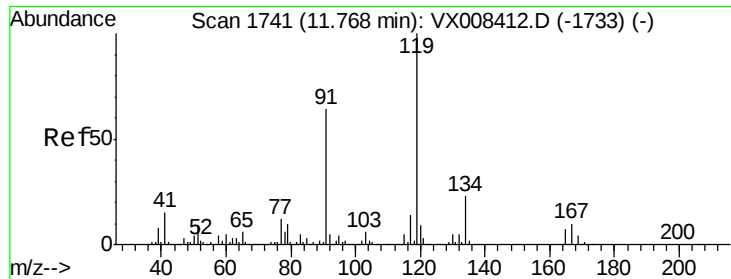
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#82
4-Chlorotoluene
Concen: 46.403 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion: 91 Resp: 444648
Ion Ratio Lower Upper
91 100
126 27.7 13.9 41.7





#83

tert-Butylbenzene

Concen: 46.650 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

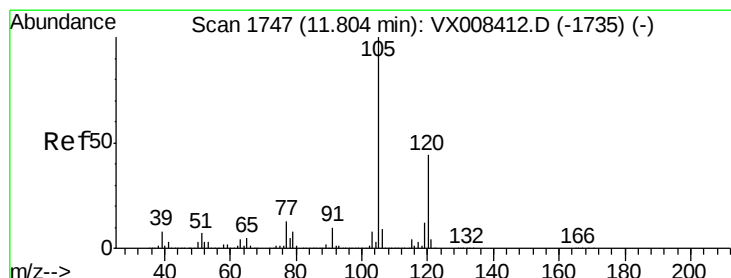
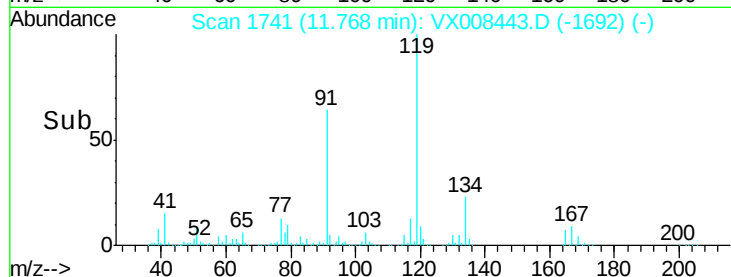
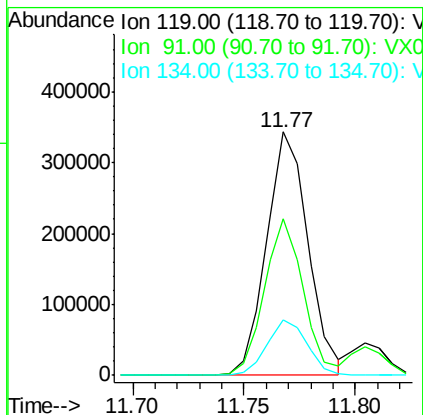
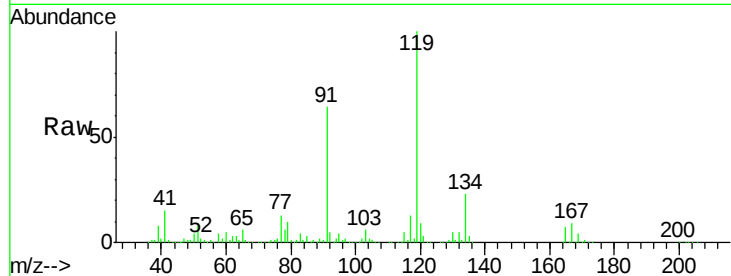
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	443628
Ion Ratio	Lower	Upper	
119	100		
91	60.4	30.1	90.3
134	22.1	10.9	32.9

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#84

1,2,4-Trimethylbenzene

Concen: 46.732 ug/l

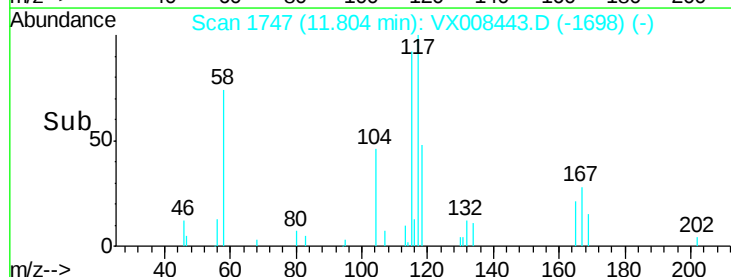
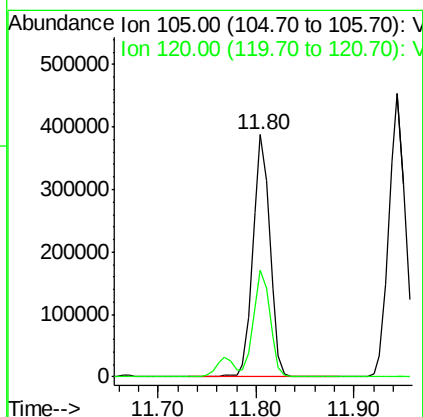
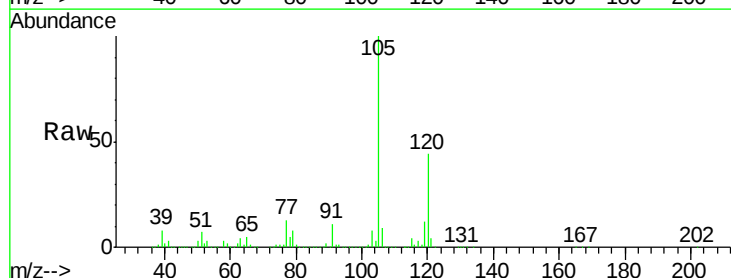
RT: 11.80 min Scan# 1747

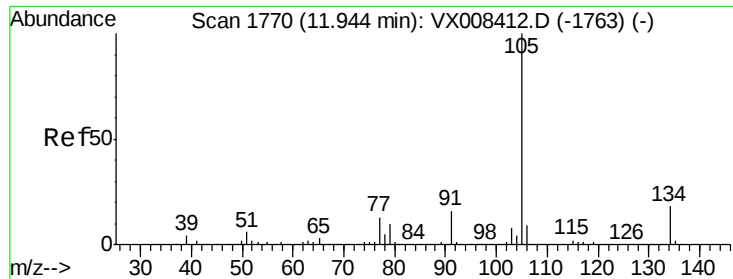
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	105	Resp:	465903
Ion Ratio	Lower	Upper	
105	100		
120	43.8	21.6	65.0





#85

sec-Butylbenzene

Concen: 46.802 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 530031

Ion Ratio Lower Upper

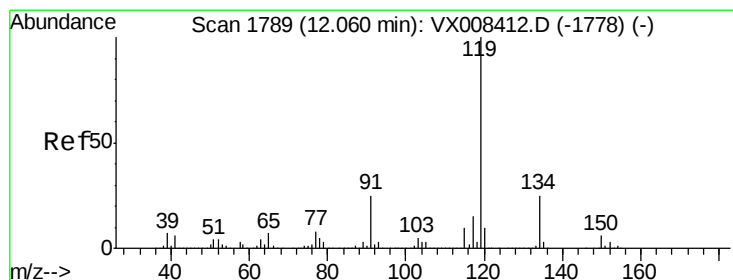
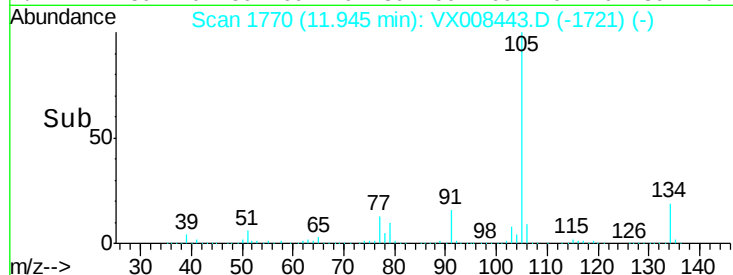
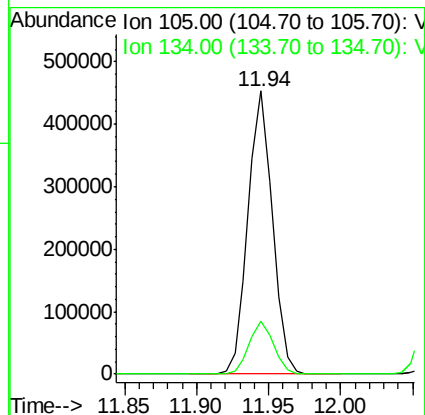
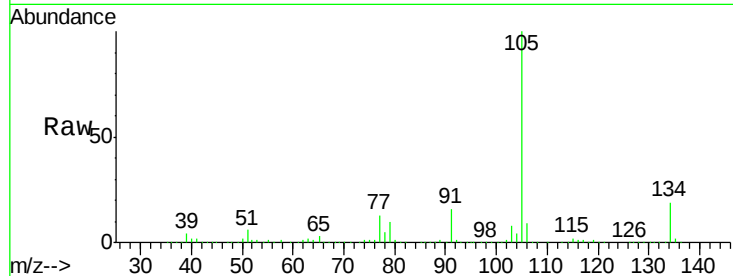
105 100

134 18.8 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 47.655 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

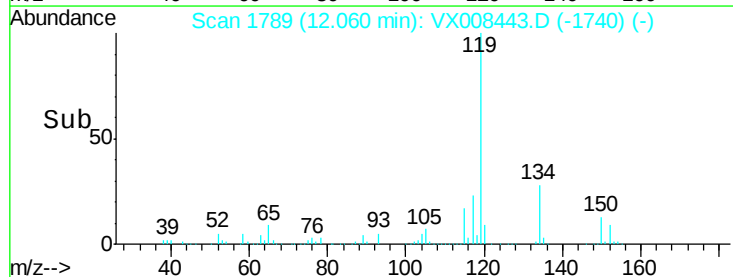
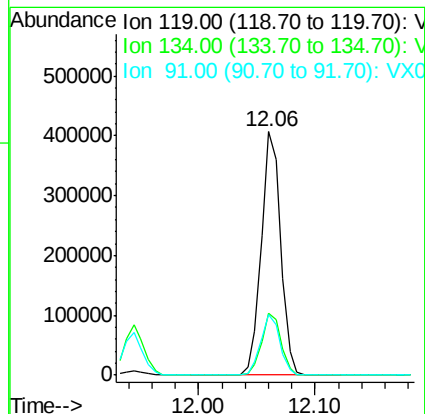
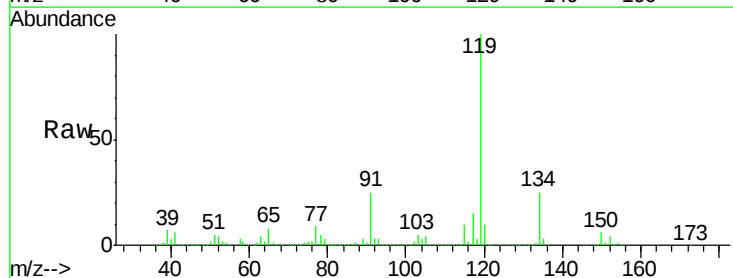
Tgt Ion:119 Resp: 476216

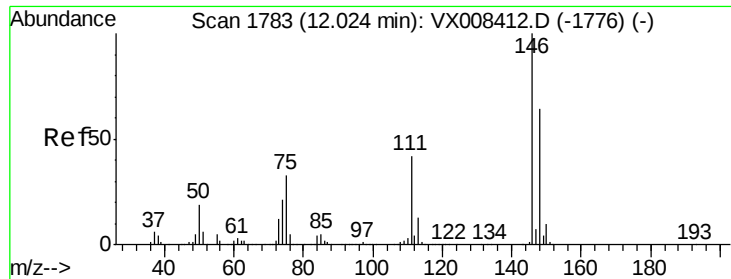
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.6 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 46.124 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

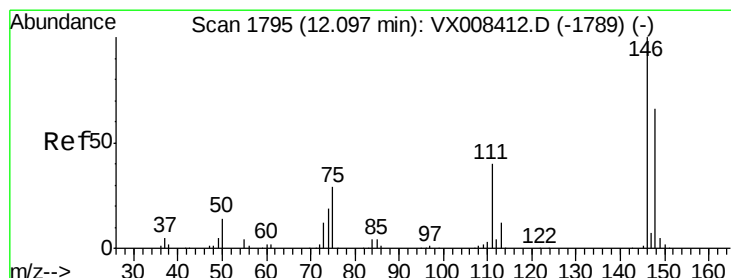
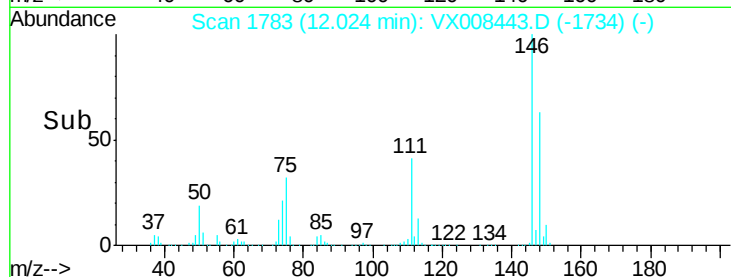
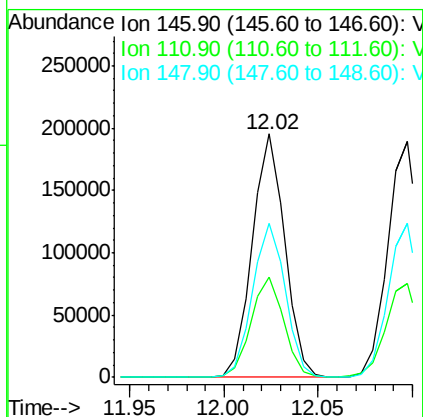
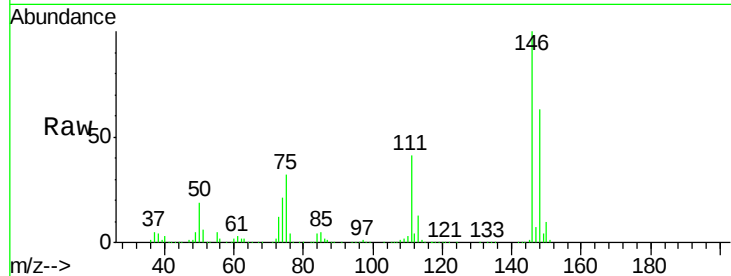
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	233192
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.5
148	64.0	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 45.637 ug/l

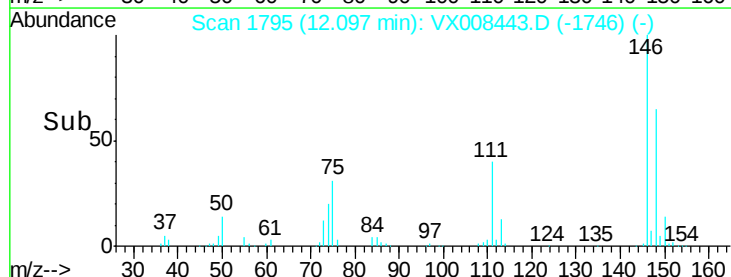
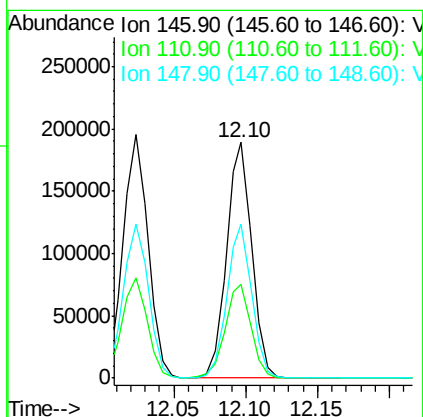
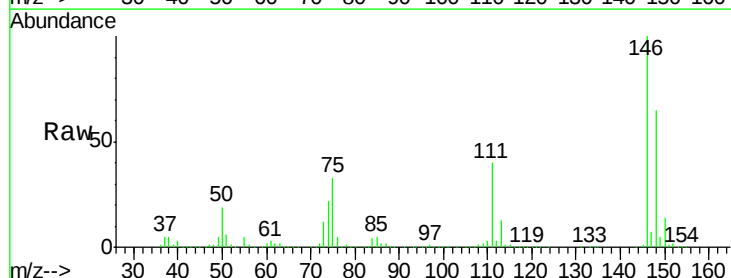
RT: 12.10 min Scan# 1795

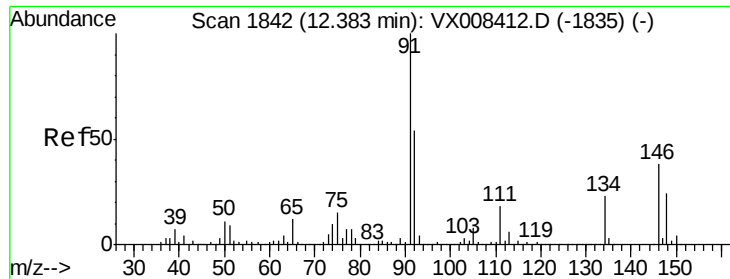
Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	146	Resp:	232858
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.3	61.0
148	64.1	32.1	96.5





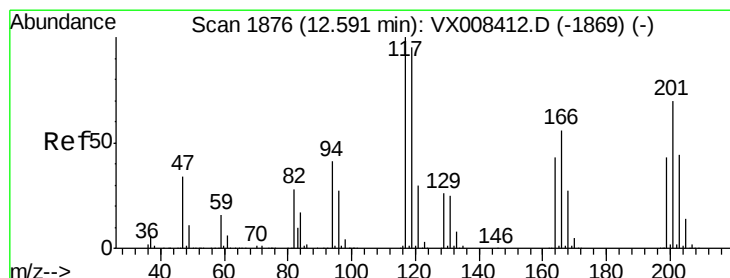
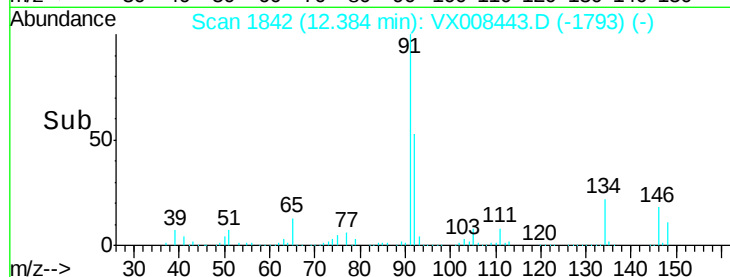
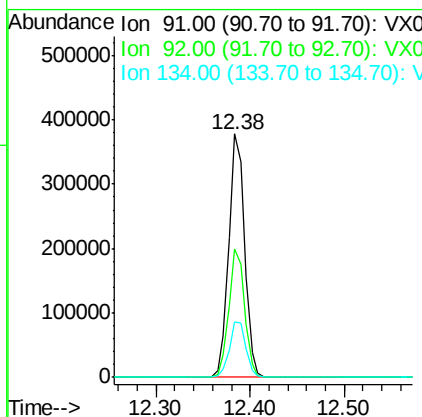
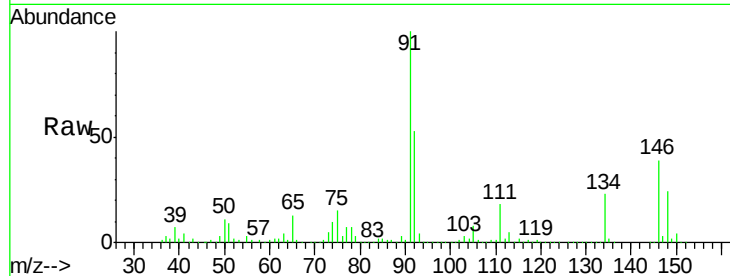
#89
n-Butylbenzene
Concen: 46.752 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	23.6	11.8	35.4

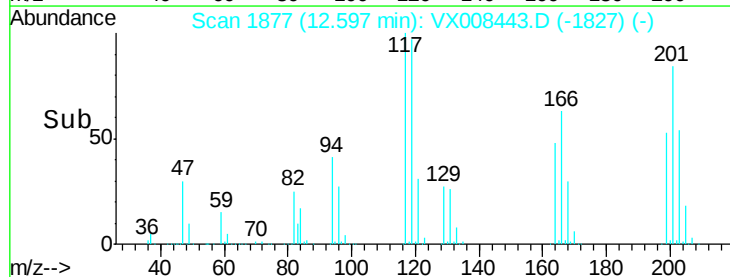
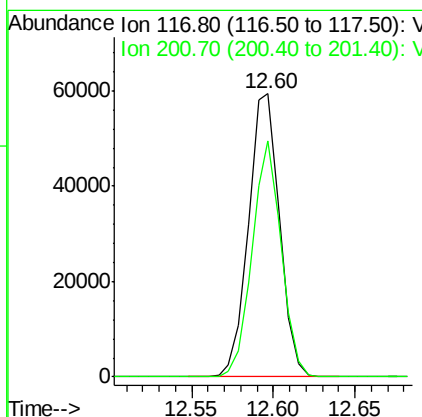
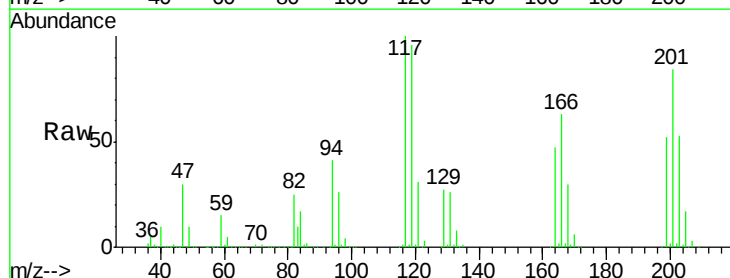
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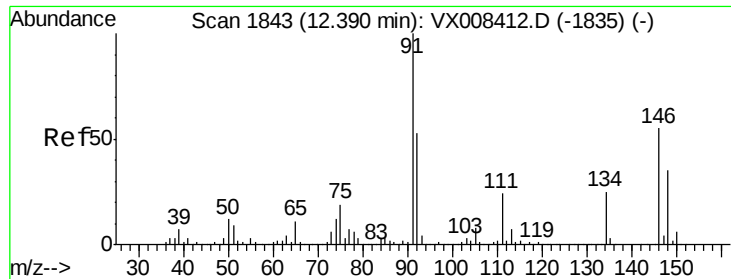
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#90
Hexachloroethane
Concen: 47.524 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008443.D
Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.4	118.1





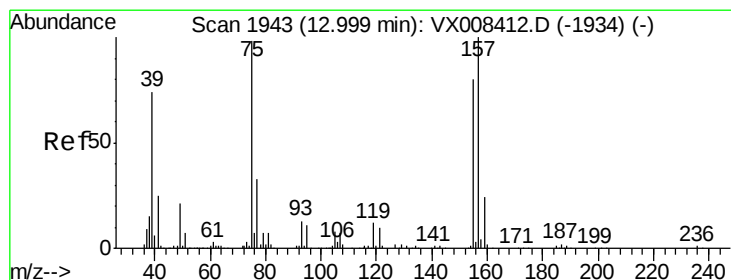
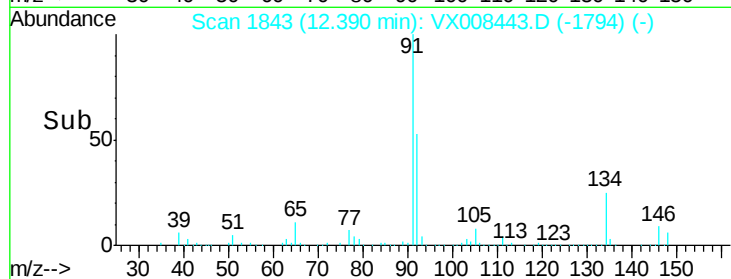
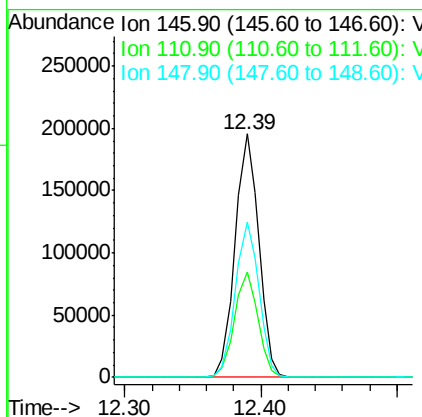
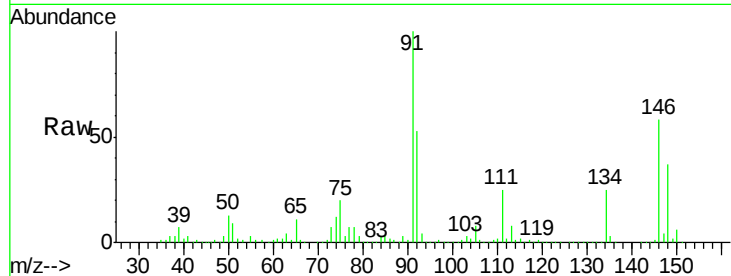
#91
 1,2-Dichlorobenzene
 Concen: 46.846 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.6	31.9	95.7

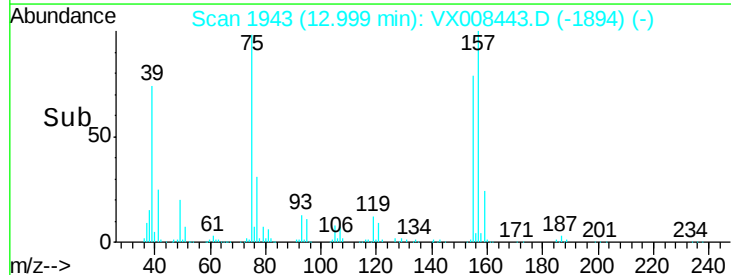
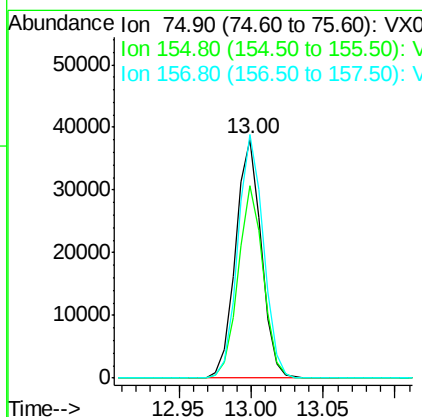
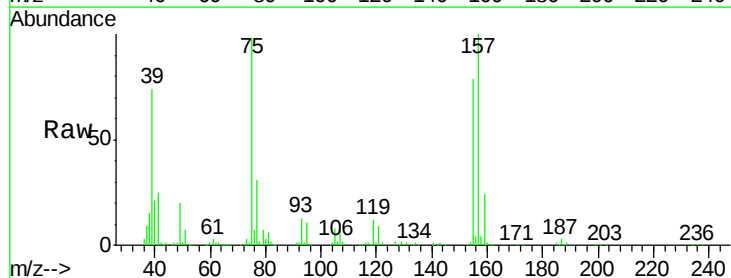
Manual Integrations
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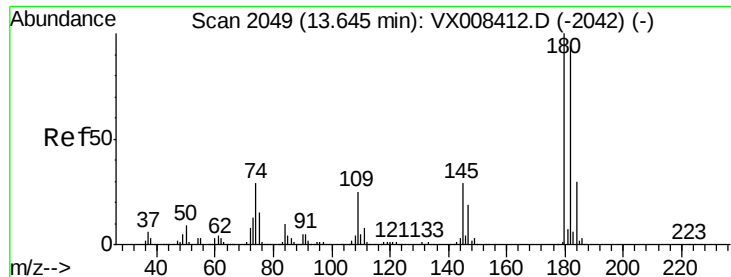
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.073 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	39.5	118.5
157	101.2	49.9	149.7





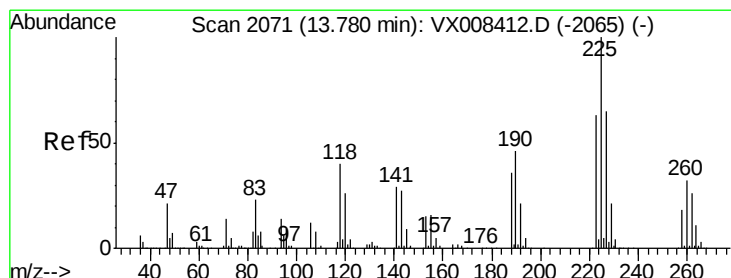
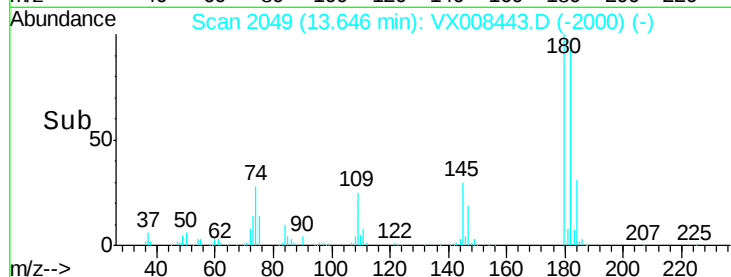
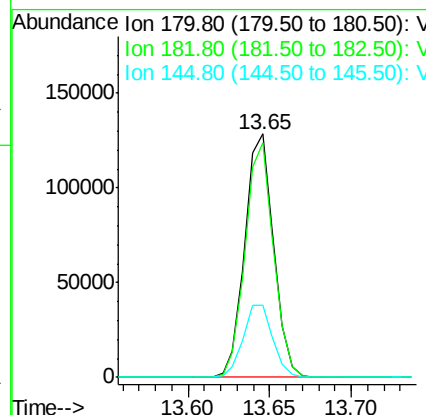
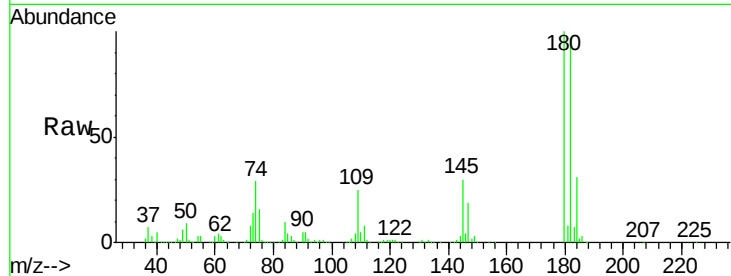
#93
 1,2,4-Trichlorobenzene
 Concen: 46.491 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158471		
182	95.0	47.3	142.0	
145	30.6	15.3	45.8	

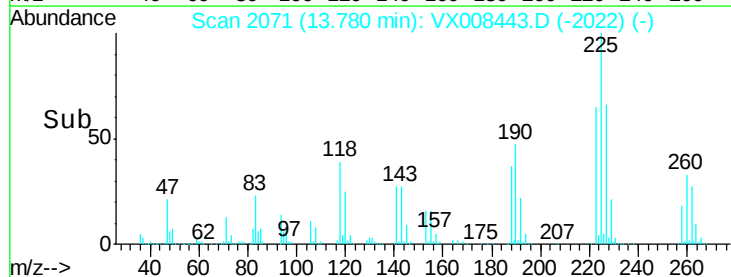
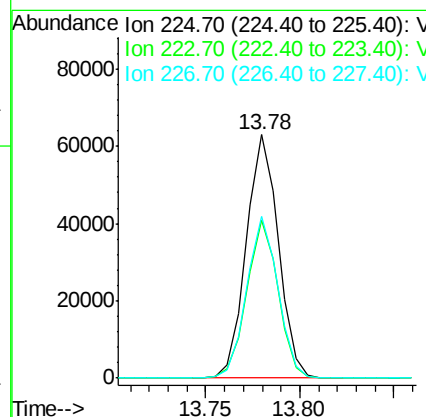
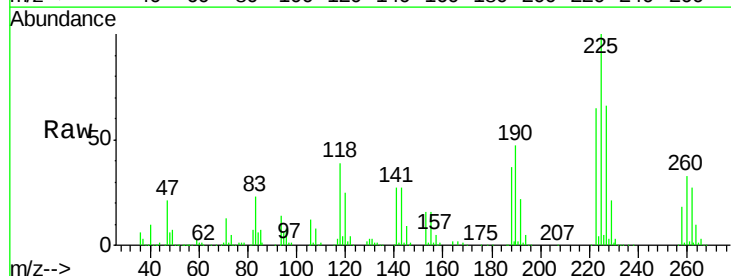
Manual Integrations
 APPROVED

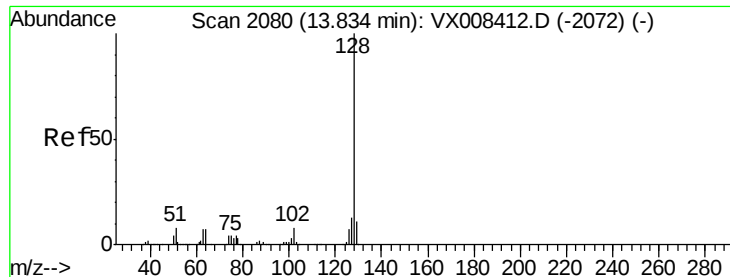
MMDadoda
 3/26/2019 9:47:26 AM



#94
 Hexachlorobutadiene
 Concen: 45.852 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008443.D
 Acq: 26 Mar 2019 04:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74213		
223	63.3	31.4	94.0	
227	65.0	31.9	95.9	





#95

Naphthalene

Concen: 48.110 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Instrument :

MSVOA_X

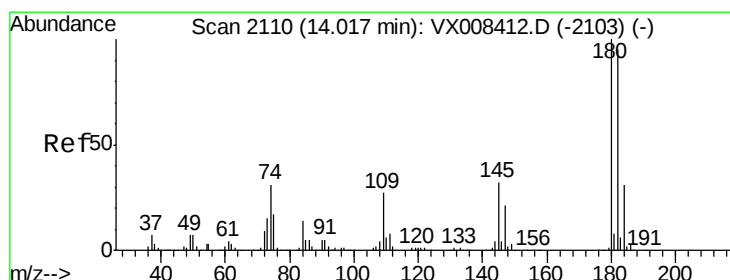
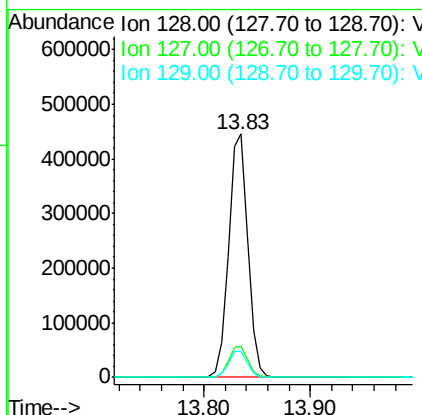
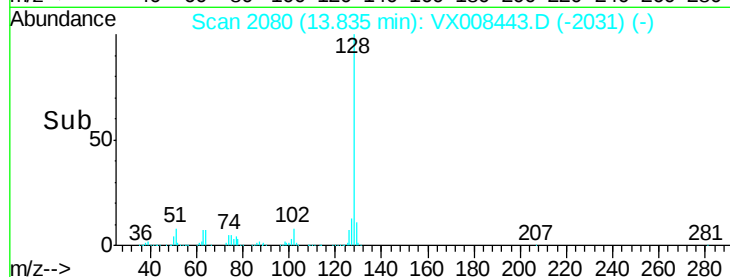
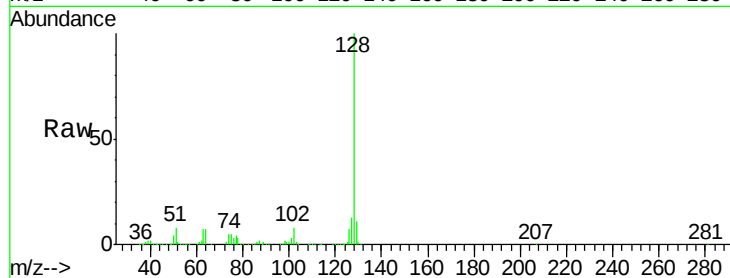
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	562230
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 9:47:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.531 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008443.D

Acq: 26 Mar 2019 04:21

Tgt Ion:	180	Resp:	159379
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.3	142.0
145	32.5	16.2	48.5

