

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000940.D
 Acq On : 17 Apr 2018 00:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:11 PM

Quant Time: Apr 17 07:16:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	150350	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	5.51	113	126409	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	8.72	98	465522	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.15	95	189173	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130097	48.60	ug/l	98
3) Chloromethane	1.32	50	118026	51.42	ug/l	100
4) Vinyl Chloride	1.41	62	130532	50.56	ug/l	97
5) Bromomethane	1.64	94	75276m	71.02	ug/l	
6) Chloroethane	1.73	64	79844	51.03	ug/l	100
7) Trichlorofluoromethane	1.93	101	201376	51.70	ug/l	98
8) Diethyl Ether	2.19	74	77978	53.59	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119064	51.84	ug/l	98
10) Methyl Iodide	2.52	142	98245	54.15	ug/l	100
11) Tert butyl alcohol	3.07	59	114941	216.50	ug/l	99
12) 1,1-Dichloroethene	2.38	96	110706	50.86	ug/l	99
13) Acrolein	2.30	56	32029	124.23	ug/l	97
14) Allyl chloride	2.73	41	200181	49.74	ug/l	100
15) Acrylonitrile	3.15	53	305948	270.30	ug/l	99
16) Acetone	2.45	43	245811	238.38	ug/l	99
17) Carbon Disulfide	2.57	76	271005	41.12	ug/l	99
18) Methyl Acetate	2.78	43	160150	60.01	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	391642	54.02	ug/l	97
20) Methylene Chloride	2.86	84	123393	51.45	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	120022	50.00	ug/l	99
22) Diisopropyl ether	3.88	45	417673	56.47	ug/l	99
23) Vinyl Acetate	3.83	43	1705071	262.56	ug/l	98
24) 1,1-Dichloroethane	3.70	63	225739	54.39	ug/l	100
25) 2-Butanone	4.71	43	427565	251.09	ug/l	99
26) 2,2-Dichloropropane	4.59	77	167937	40.77	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	144292	52.97	ug/l	98
28) Bromochloromethane	5.03	49	83447	49.93	ug/l	98
29) Tetrahydrofuran	5.17	42	278040	257.15	ug/l	99
30) Chloroform	5.23	83	237378	54.02	ug/l	96
31) Cyclohexane	5.59	56	192772	48.91	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	214431	51.22	ug/l	100
36) 1,1-Dichloropropene	5.81	75	176227	49.65	ug/l	99
37) Ethyl Acetate	4.87	43	172572	49.80	ug/l	99
38) Carbon Tetrachloride	5.79	117	189231	47.63	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	198303	46.52	ug/l	99
40) Benzene	6.15	78	511684	51.88	ug/l	100
41) Methacrylonitrile	5.07	41	103612	51.76	ug/l	99
42) 1,2-Dichloroethane	6.20	62	193114	52.43	ug/l	99
43) Isopropyl Acetate	6.48	43	298108	50.18	ug/l	100
44) Trichloroethene	7.22	130	155943	50.84	ug/l	99
45) 1,2-Dichloropropane	7.52	63	133814	53.28	ug/l	100
46) Dibromomethane	7.67	93	90720	51.81	ug/l	99
47) Bromodichloromethane	7.91	83	177364	50.19	ug/l	100
48) Methyl methacrylate	7.79	41	158074	51.34	ug/l	100
49) 1,4-Dioxane	7.76	88	48924	790.61	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	912199	261.41	ug/l	100
52) Toluene	8.79	92	338171	51.69	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	208875	49.28	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	199257	48.28	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	138192	53.20	ug/l	99
56) Ethyl methacrylate	9.19	69	205854	51.38	ug/l	100
57) 1,3-Dichloropropane	9.38	76	223197	54.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	513398	274.24	ug/l	100
59) 2-Hexanone	9.51	43	673422	249.98	ug/l	100
60) Dibromochloromethane	9.59	129	153984	49.55	ug/l	100
61) 1,2-Dibromoethane	9.68	107	146164	53.04	ug/l	98
64) Tetrachloroethene	9.34	164	161470	53.07	ug/l	97
65) Chlorobenzene	10.15	112	402731	51.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	148330	50.35	ug/l	99
67) Ethyl Benzene	10.26	91	665037	50.96	ug/l	99
68) m/p-Xylenes	10.37	106	527662	102.44	ug/l	99
69) o-Xylene	10.71	106	256042	51.57	ug/l	100
70) Styrene	10.72	104	432932	51.73	ug/l	100
71) Bromoform	10.87	173	125163	45.88	ug/l	100
73) Isopropylbenzene	11.02	105	693915	51.68	ug/l	100
74) N-amyl acetate	6.48	43	298108	49.30	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	200968	51.57	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	183710m	50.33	ug/l	
77) Bromobenzene	11.26	156	201078	51.10	ug/l	100
78) n-propylbenzene	11.37	91	773429	50.36	ug/l	99
79) 2-Chlorotoluene	11.43	91	464557	51.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	583283	50.51	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	53040	39.97	ug/l	92
82) 4-Chlorotoluene	11.52	91	554808	50.64	ug/l	100
83) tert-Butylbenzene	11.78	119	596773	50.51	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	604177	50.68	ug/l	100
85) sec-Butylbenzene	11.95	105	691799	49.64	ug/l	100
86) p-Isopropyltoluene	12.07	119	641065	49.33	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	373176	51.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	379229	50.81	ug/l	99
89) n-Butylbenzene	12.40	91	554218	48.31	ug/l	100
90) Hexachloroethane	12.60	117	96658	43.95	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	367693	52.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	41957	42.97	ug/l	99

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VSTDCCC050

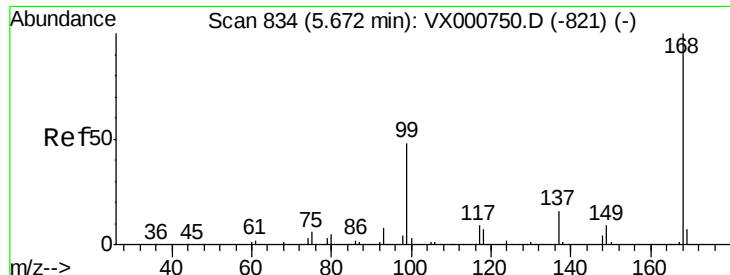
Manual Integrations
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Quant Time: Apr 17 07:16:02 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	298246	49.71	ug/l	99
94) Hexachlorobutadiene	13.79	225	123018	41.70	ug/l	99
95) Naphthalene	13.84	128	777786	50.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	291000	49.94	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 237154

Ion Ratio Lower Upper

168 100

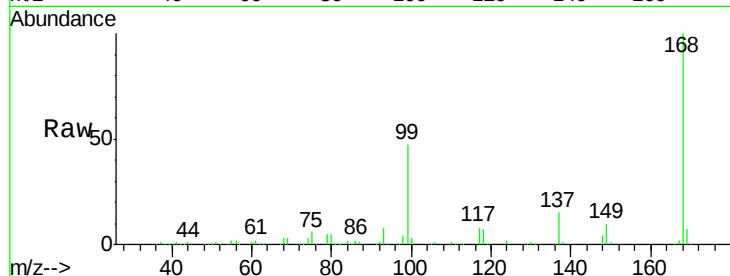
99 46.9 38.3 57.5

Manual Integrations

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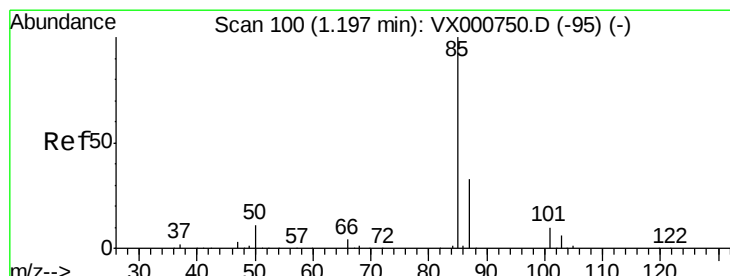
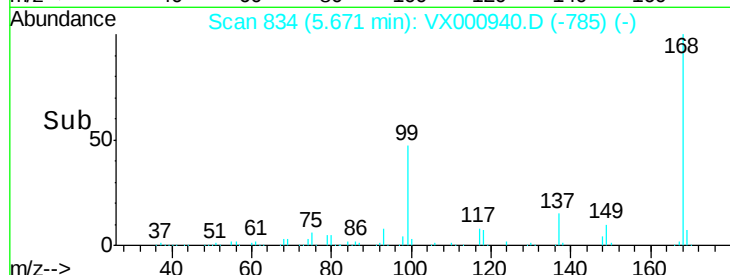
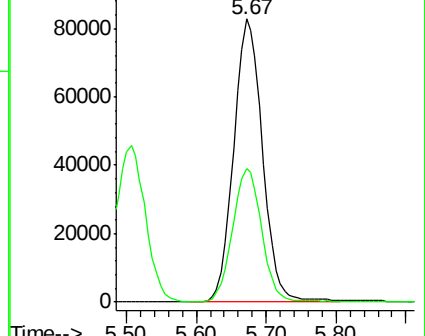
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.60 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000940.D

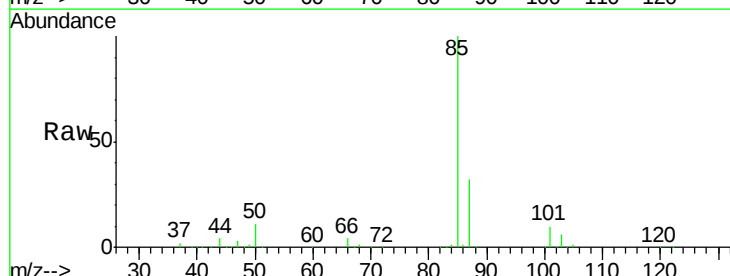
Acq: 17 Apr 2018 00:45

Tgt Ion: 85 Resp: 130097

Ion Ratio Lower Upper

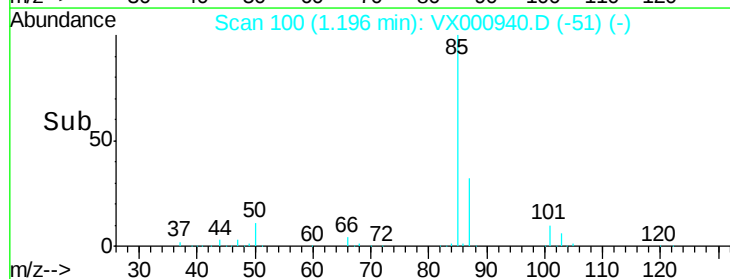
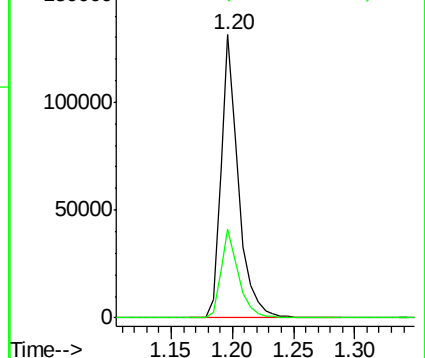
85 100

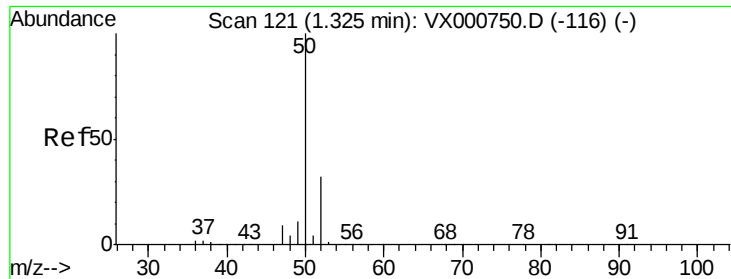
87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.42 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 118026

Ion Ratio Lower Upper

50 100

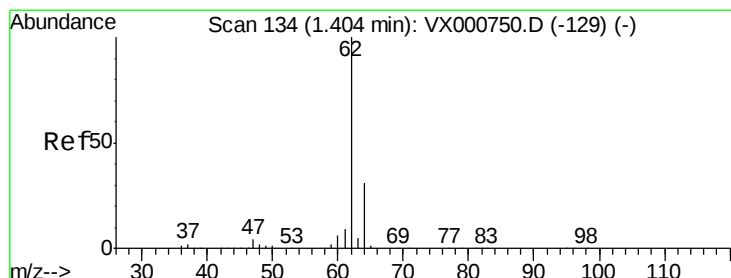
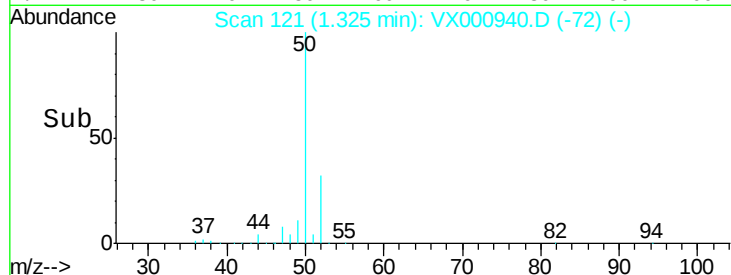
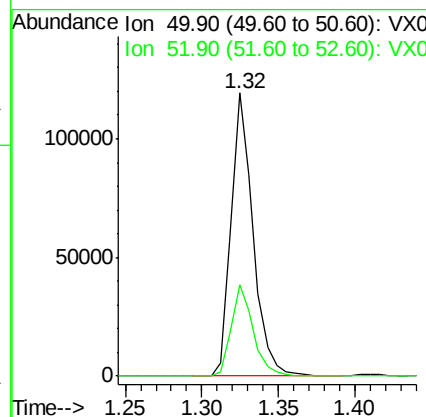
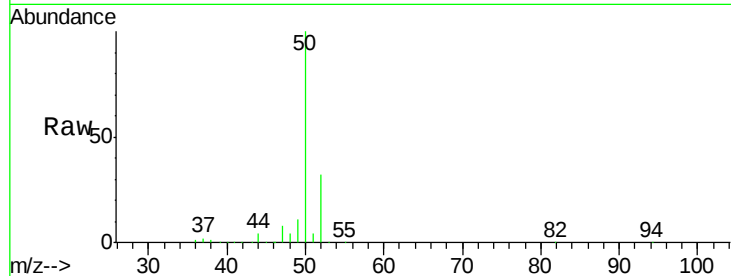
52 32.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.56 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000940.D

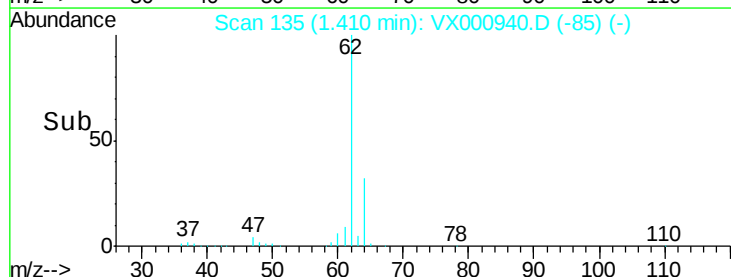
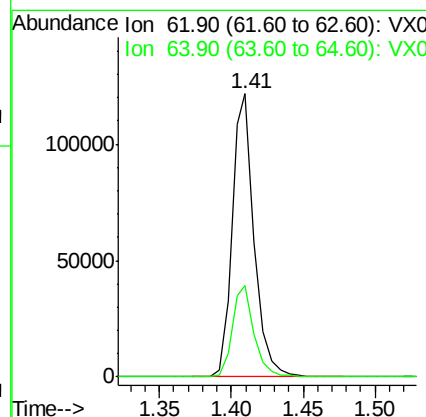
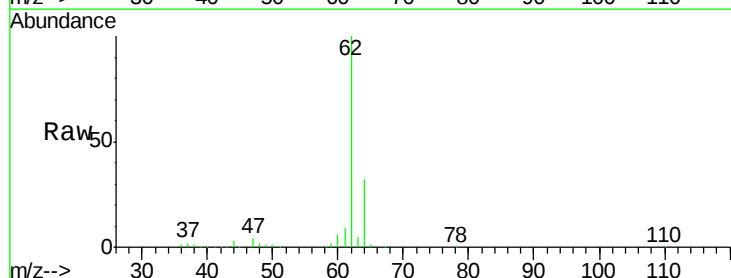
Acq: 17 Apr 2018 00:45

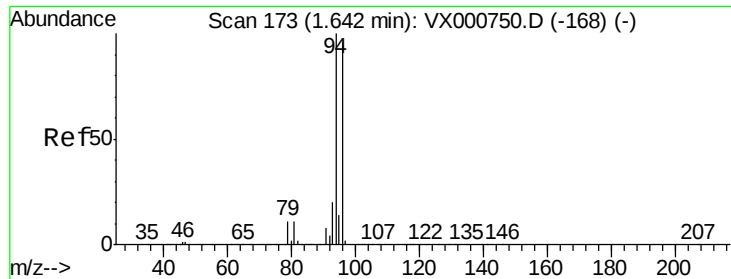
Tgt Ion: 62 Resp: 130532

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 71.02 ug/l m

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75276

Ion Ratio Lower Upper

94 100

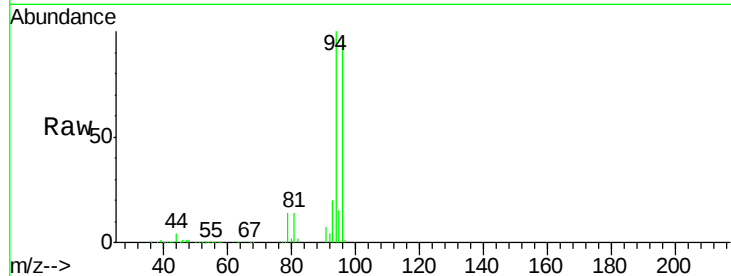
96 95.6 77.0 115.6

Manual Integrations

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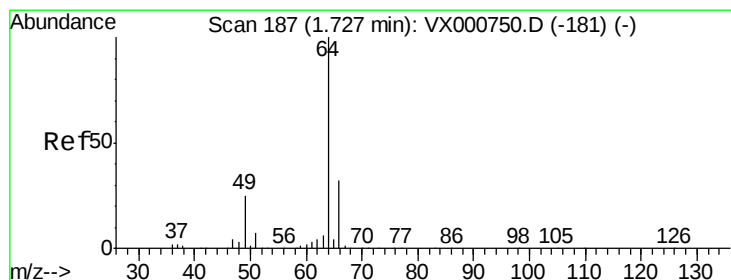
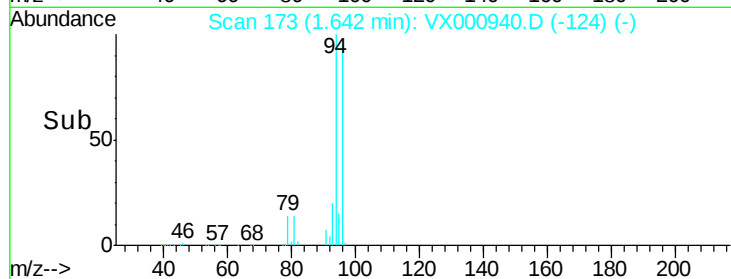
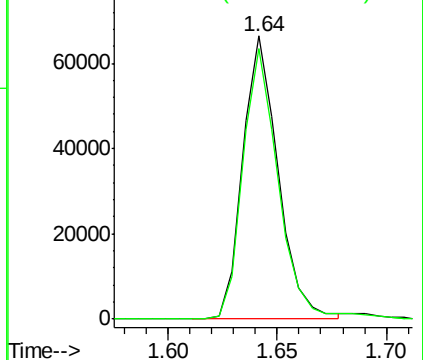
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.03 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000940.D

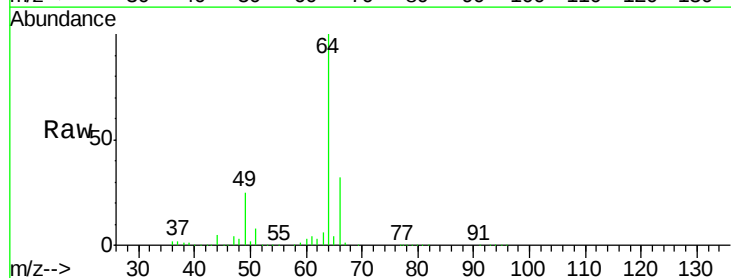
Acq: 17 Apr 2018 00:45

Tgt Ion: 64 Resp: 79844

Ion Ratio Lower Upper

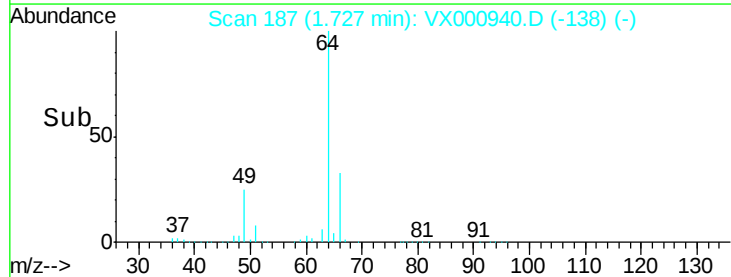
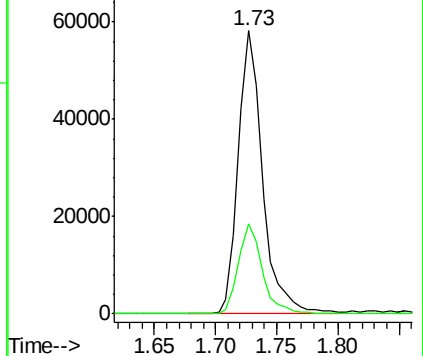
64 100

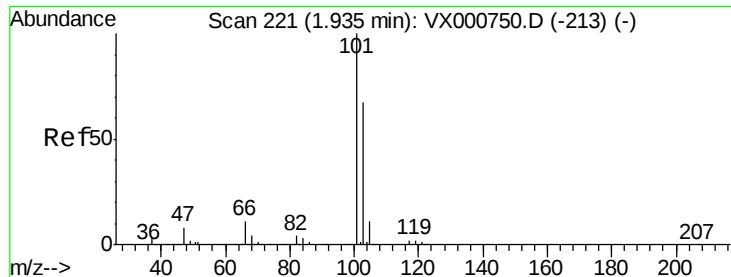
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

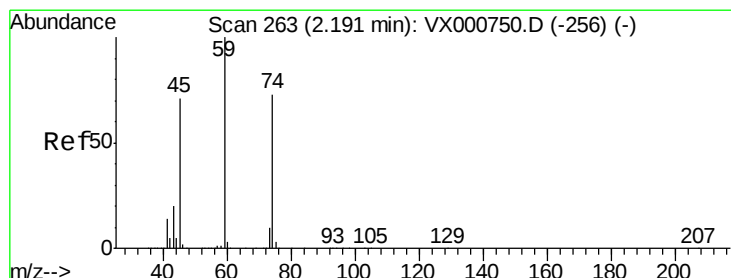
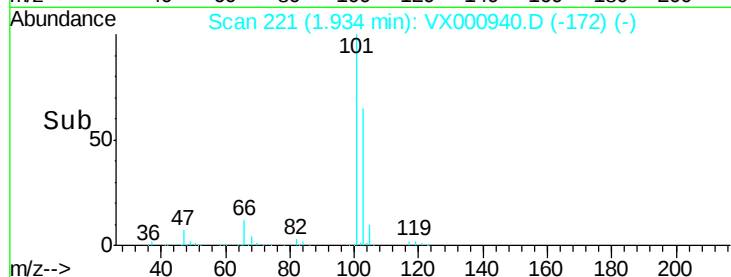
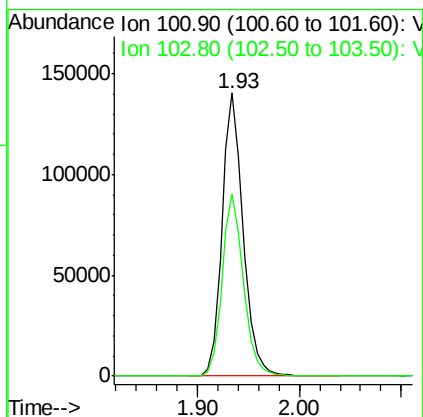
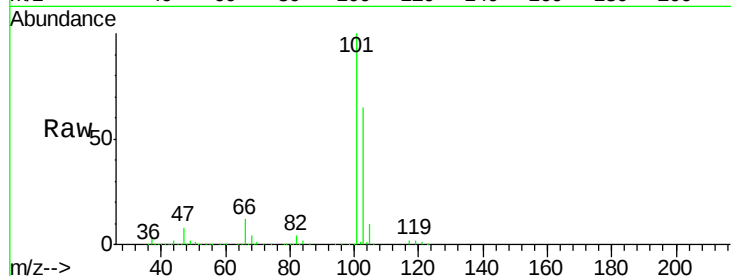
Trichlorofluoromethane
 Concen: 51.70 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
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 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		201376		
103	64.5	53.2	79.8		

Manual Integrations
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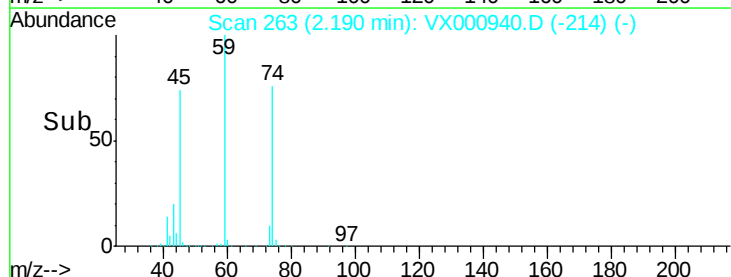
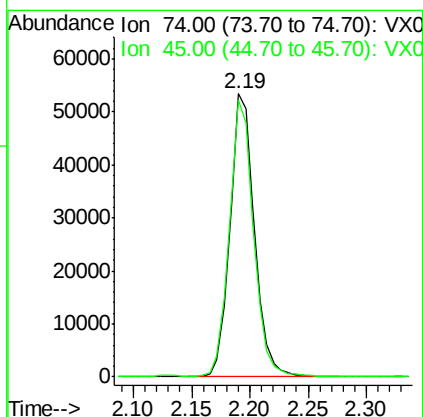
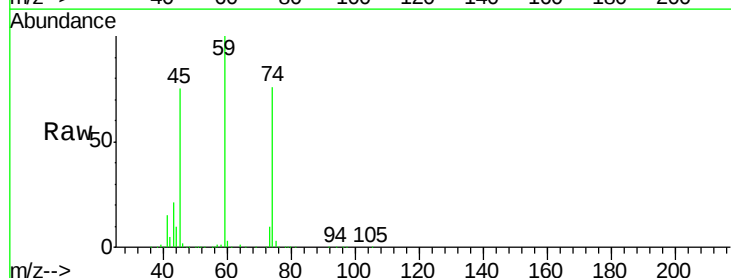
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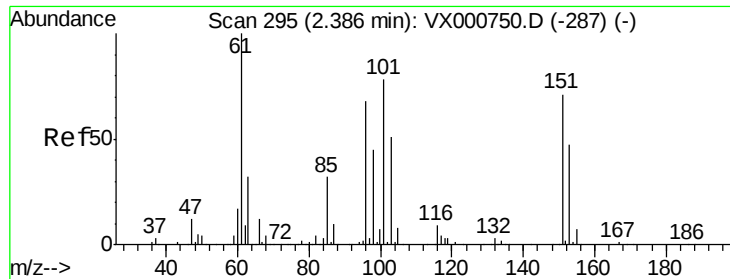


#8

Diethyl Ether
 Concen: 53.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		77978		
45	97.1	48.6	145.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.84 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

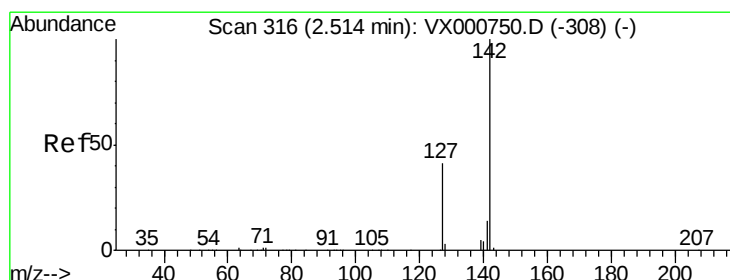
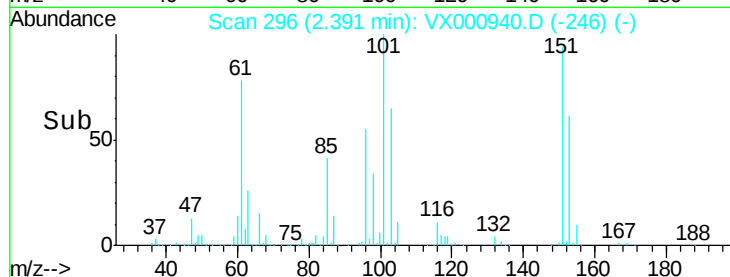
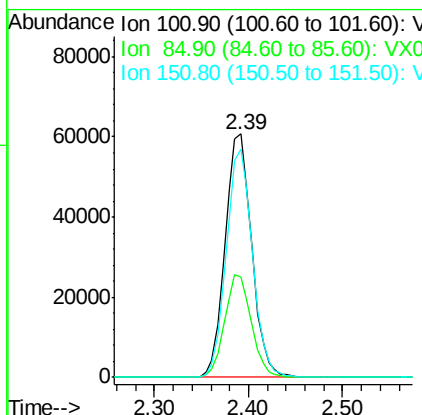
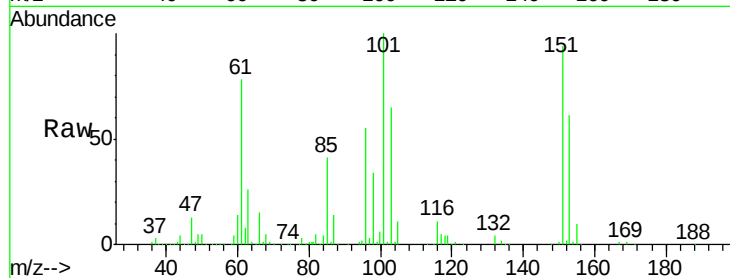
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119064
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.0	51.0
151	92.4	75.8	113.8

Manual Integrations
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#10

Methyl Iodide

Concen: 54.15 ug/l

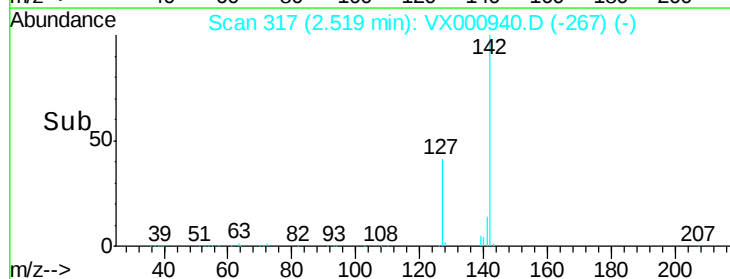
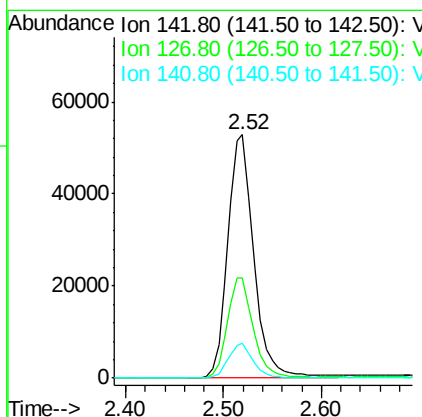
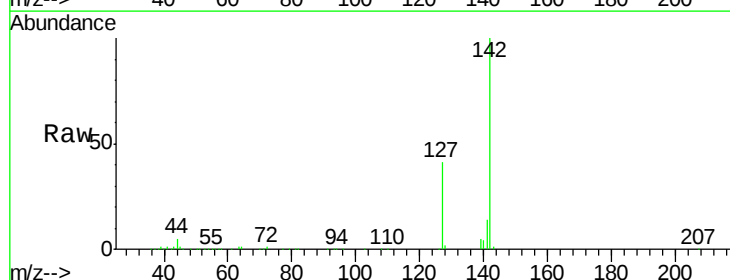
RT: 2.52 min Scan# 317

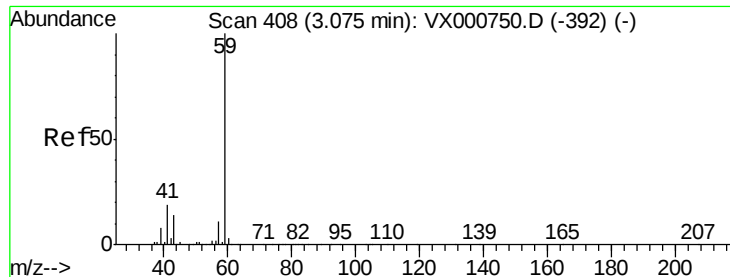
Delta R.T. 0.01 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion:	142	Resp:	98245
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.6	49.0
141	13.8	11.5	17.3





#11

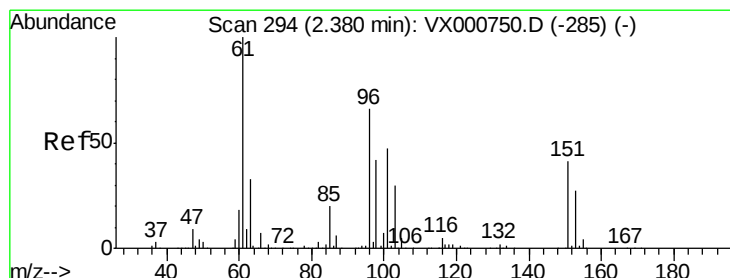
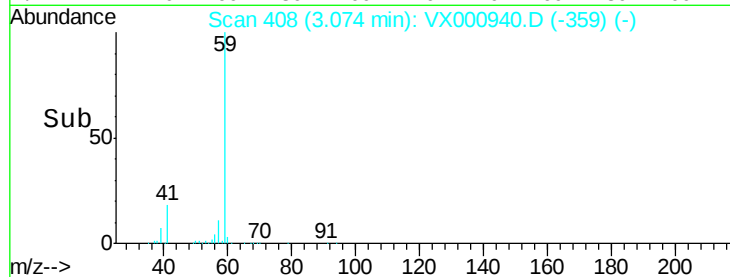
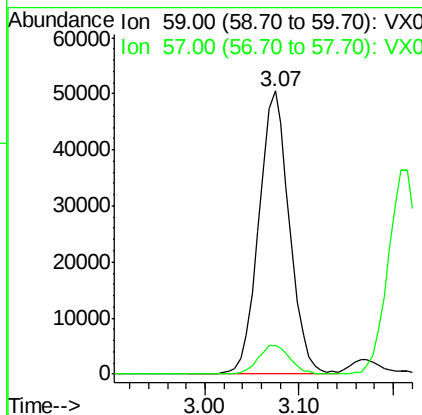
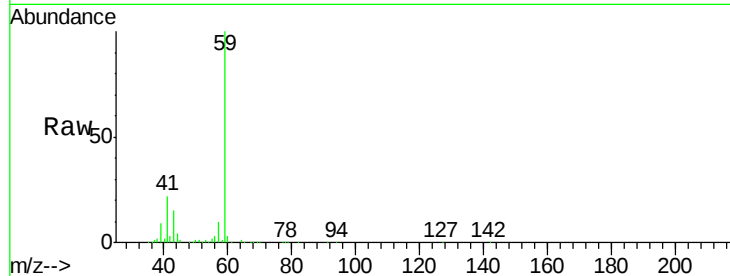
Tert butyl alcohol
Concen: 216.50 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.7	Resp	114941	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	10.7	Resp	114941	Lower	8.4	Upper	12.6

Manual Integrations
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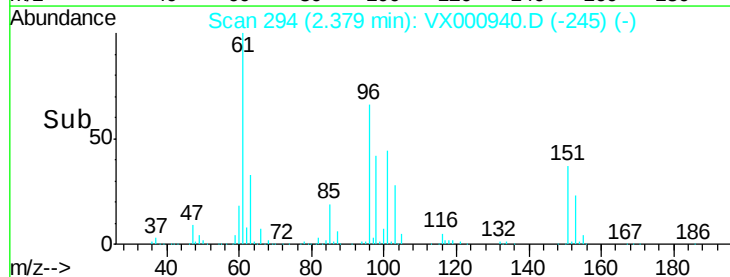
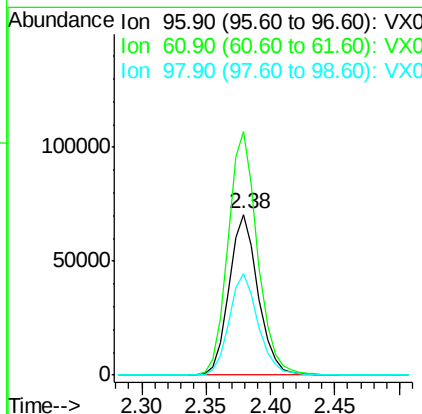
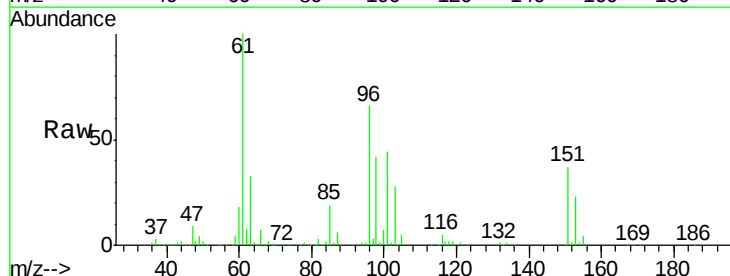
MMDadoda
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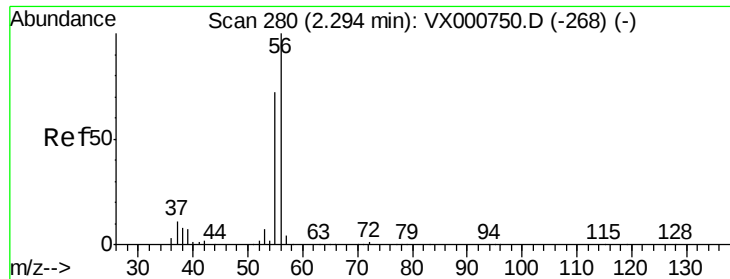


#12

1,1-Dichloroethene
Concen: 50.86 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	96	61	98	Ratio	100	151.3	63.0	Resp	110706	Lower	120.5	50.9	Upper	180.7	76.3
Ion	96	61	98	Ratio	100	151.3	63.0	Resp	110706	Lower	120.5	50.9	Upper	180.7	76.3





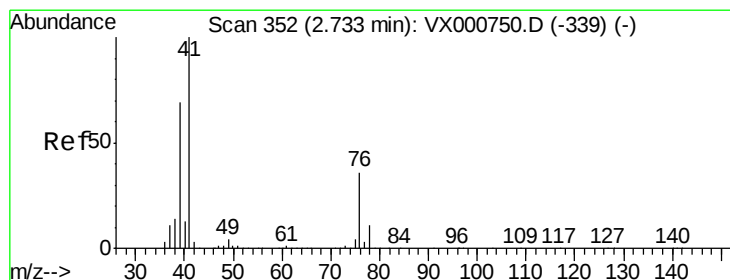
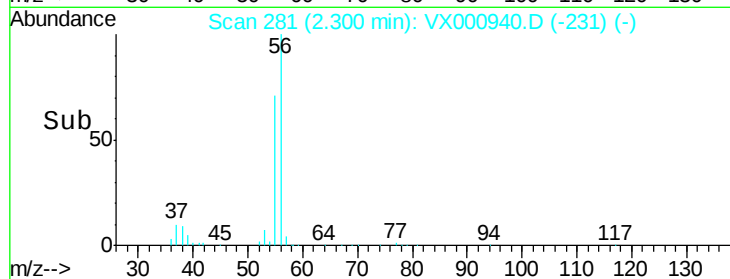
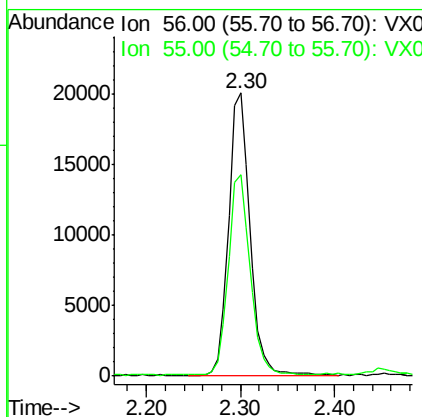
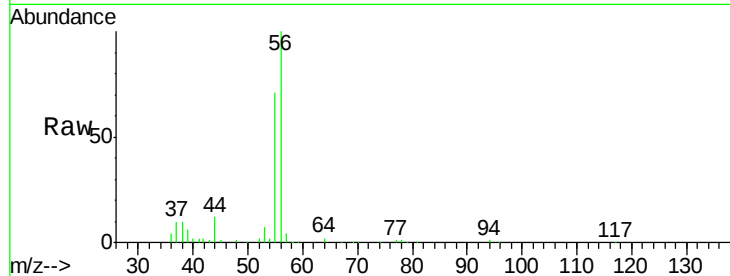
#13
Acrolein
Concen: 124.23 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	58.7	88.1

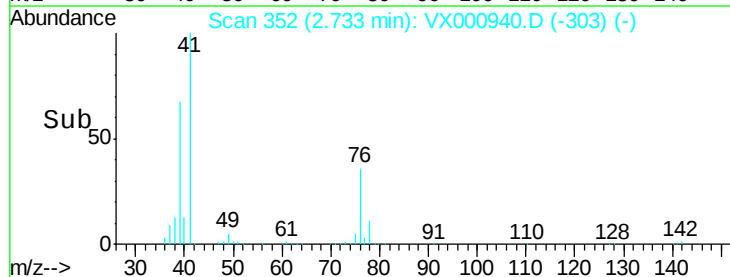
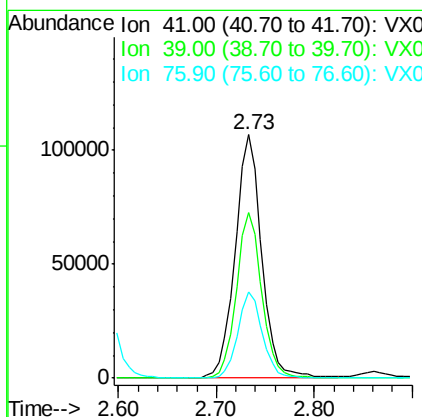
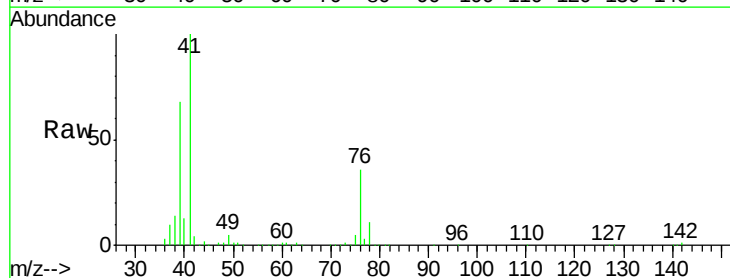
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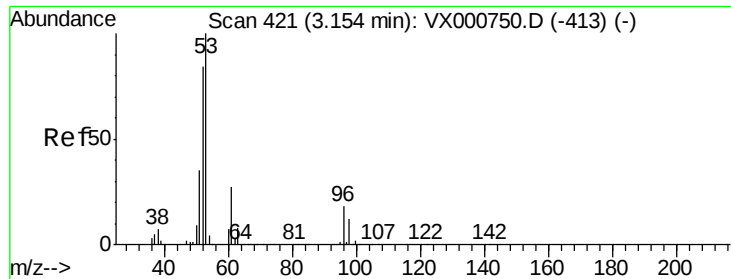
MMDadoda
4/18/2018 2:45:11 PM



#14
Allyl chloride
Concen: 49.74 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.8	51.5	77.3
76	32.9	26.5	39.7





#15

Acrylonitrile

Concen: 270.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

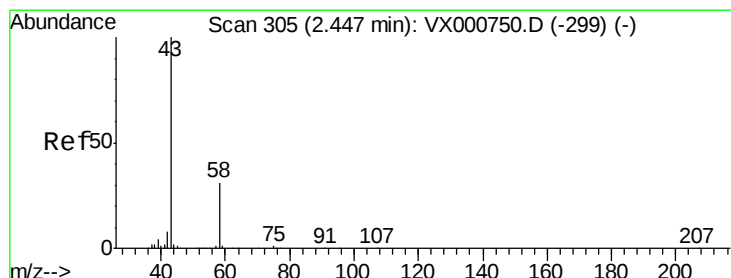
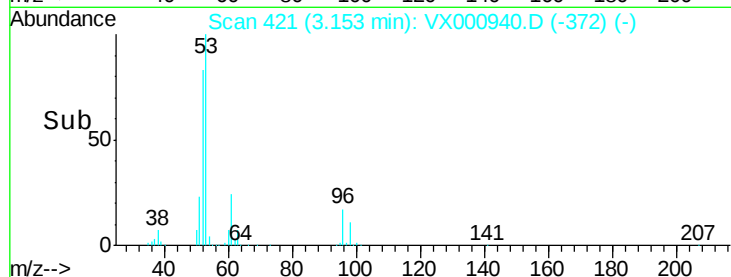
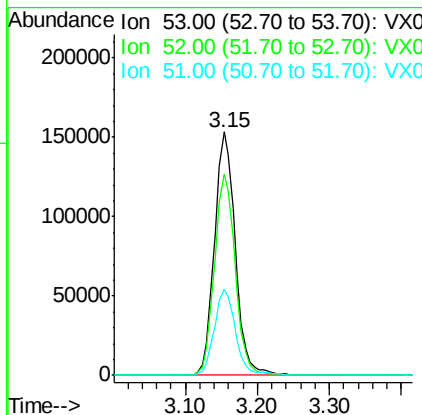
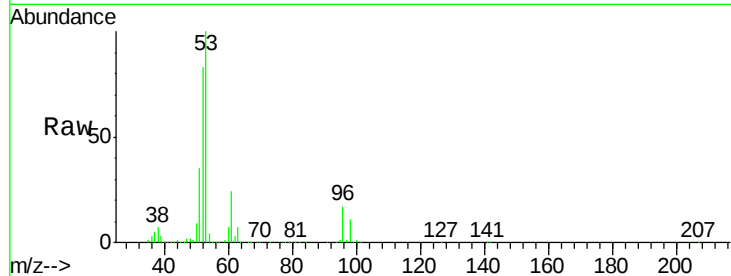
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	305948
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.5	99.7
51	35.9	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 238.38 ug/l

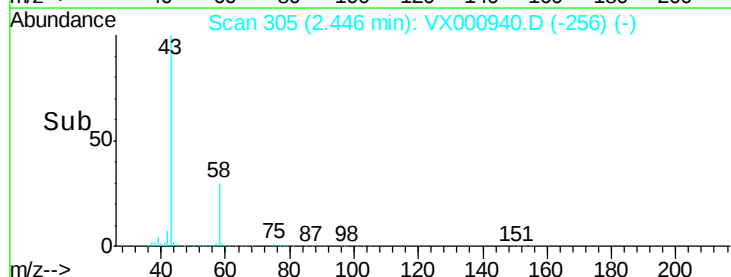
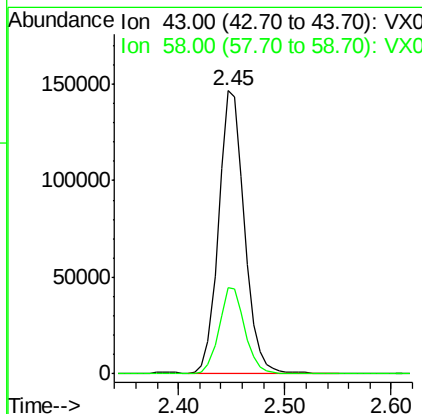
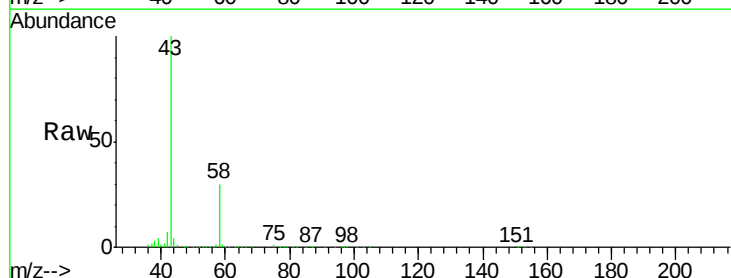
RT: 2.45 min Scan# 305

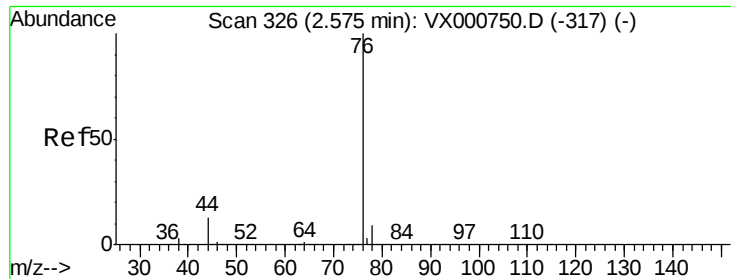
Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion:	43	Resp:	245811
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.6	37.0





#17

Carbon Disulfide

Concen: 41.12 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 271005

Ion Ratio Lower Upper

76 100

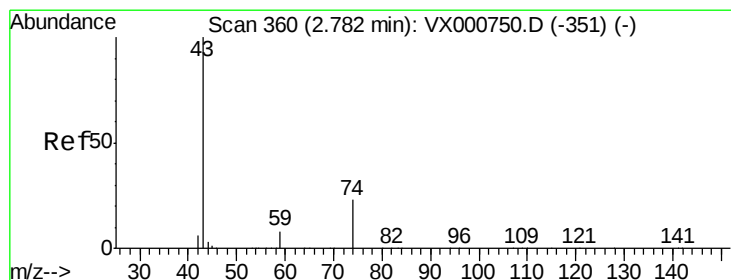
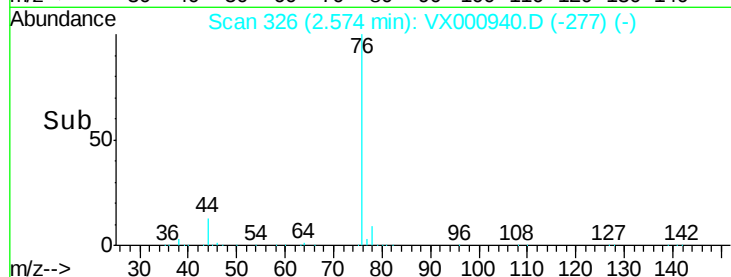
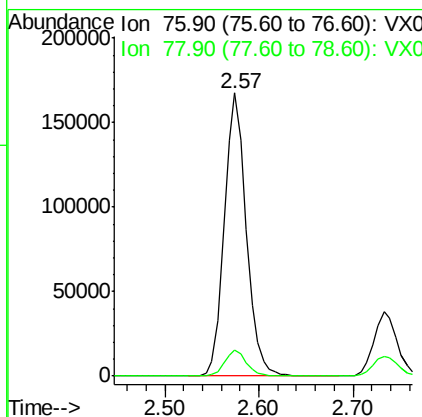
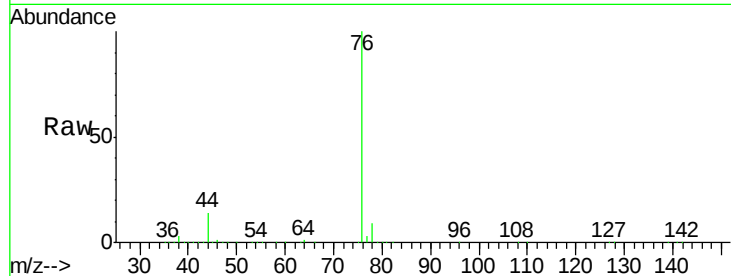
78 9.1 7.4 11.2

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#18

Methyl Acetate

Concen: 60.01 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000940.D

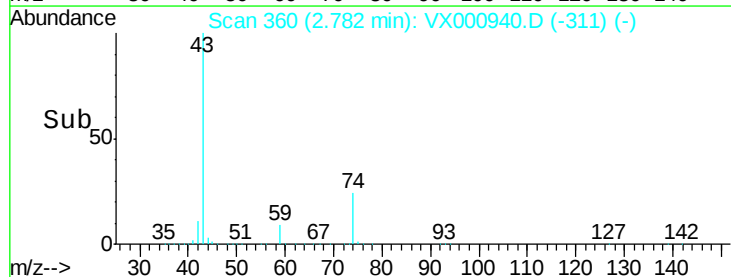
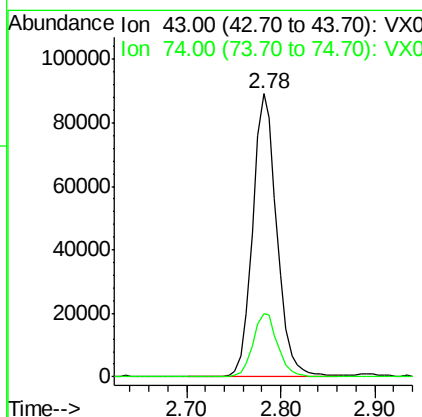
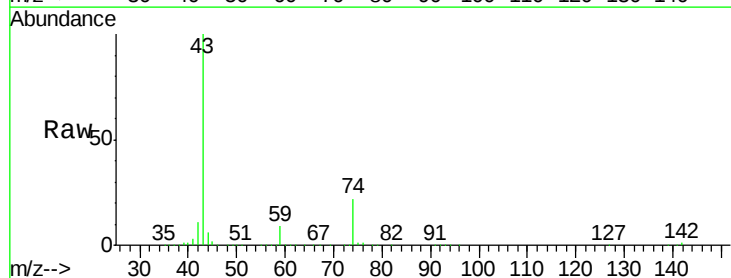
Acq: 17 Apr 2018 00:45

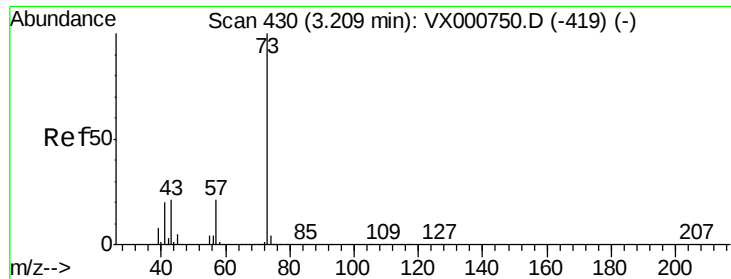
Tgt Ion: 43 Resp: 160150

Ion Ratio Lower Upper

43 100

74 23.4 19.1 28.7





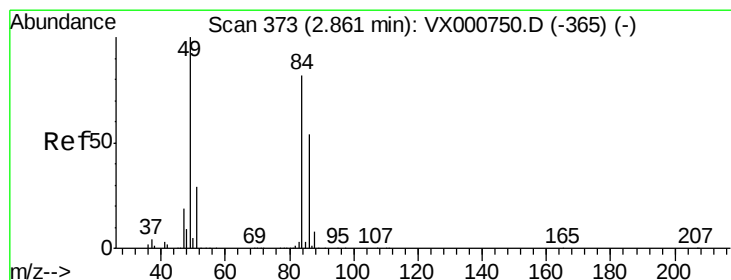
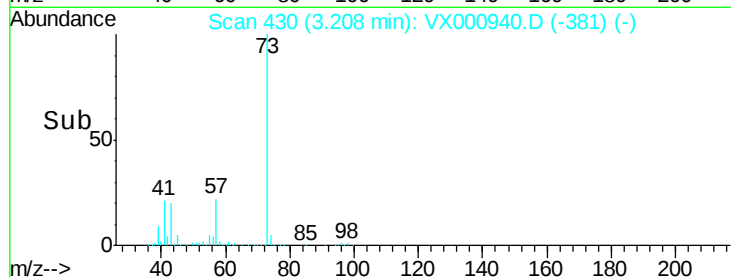
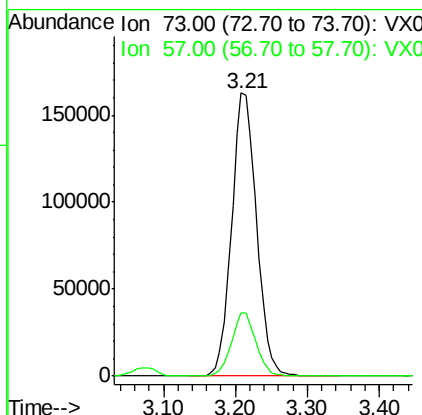
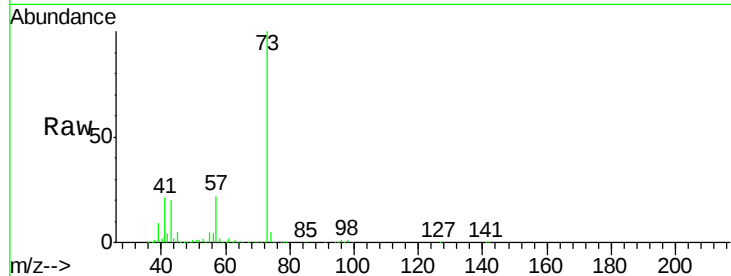
#19
Methvl tert-butvl Ether
Concen: 54.02 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	16.9	25.3

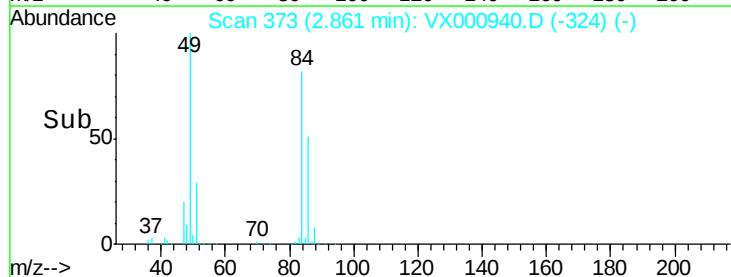
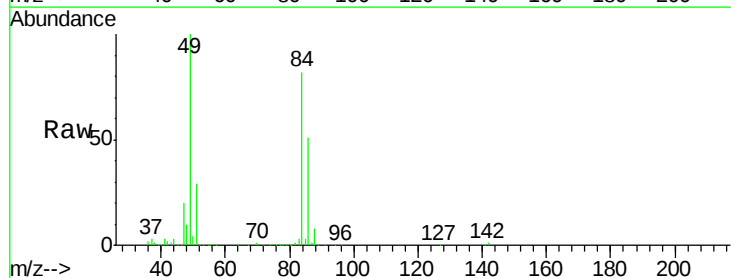
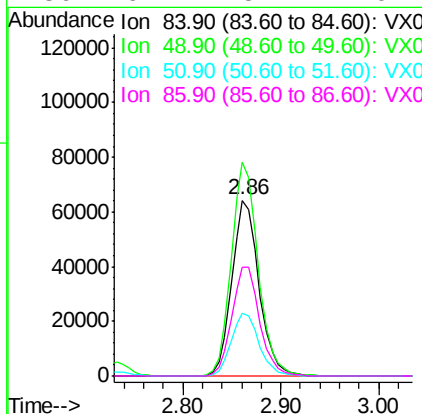
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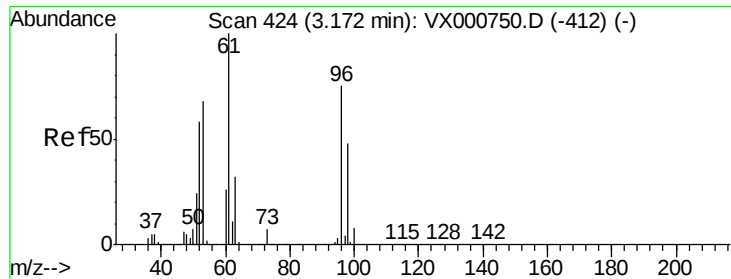
MMDadoda
4/18/2018 2:45:11 PM



#20
Methylene Chloride
Concen: 51.45 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	98.1	147.1
51	35.6	28.9	43.3
86	62.2	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 50.00 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

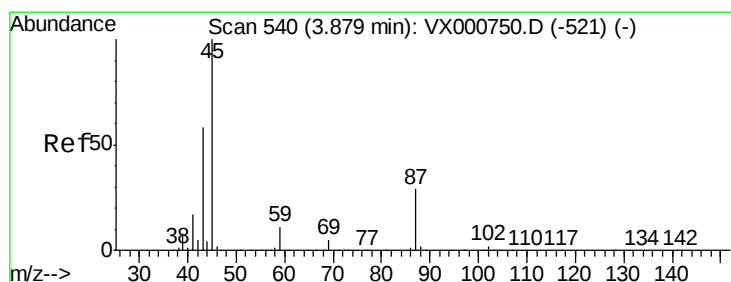
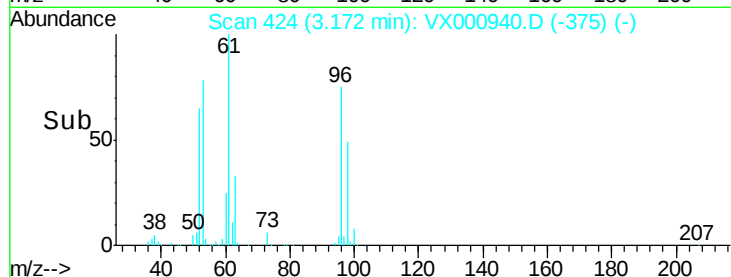
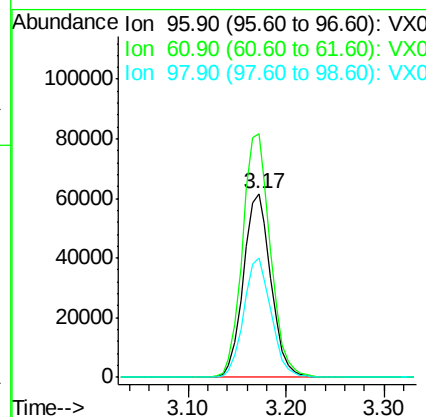
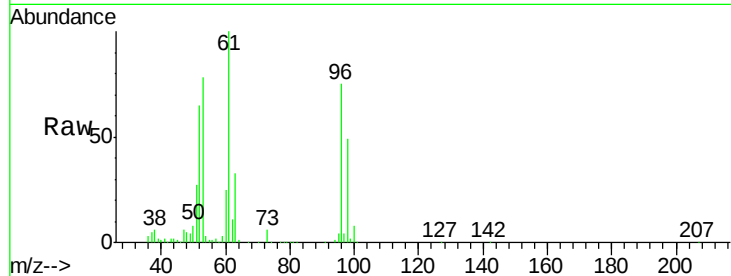
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120022
Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.2	159.2
98	65.1	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.47 ug/l

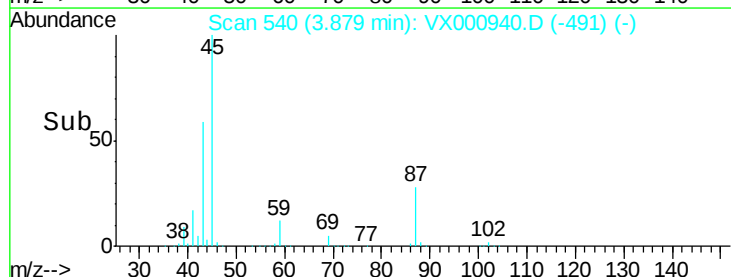
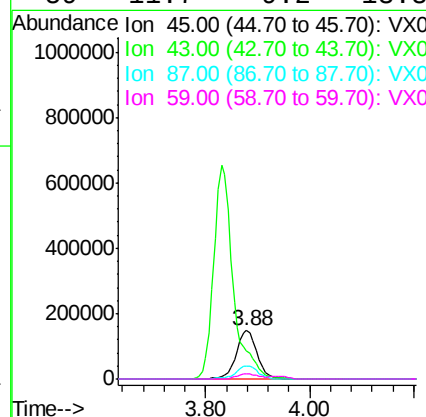
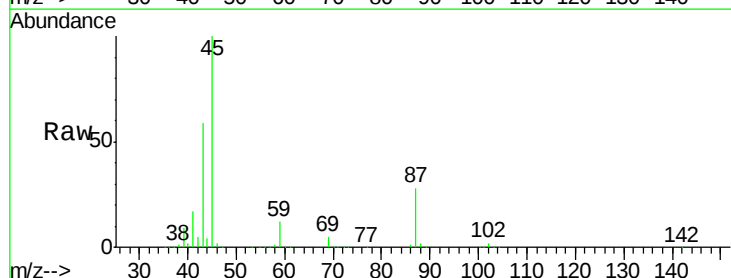
RT: 3.88 min Scan# 540

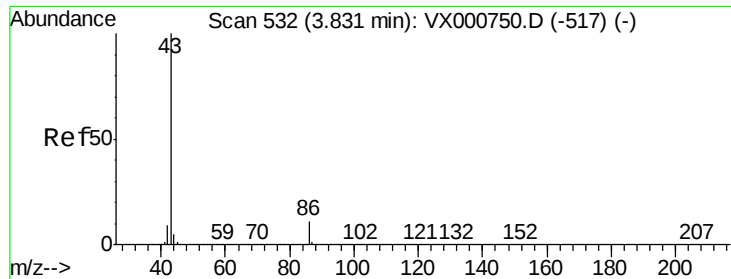
Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion:	45	Resp:	417673
Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.6	69.8
87	27.6	22.9	34.3
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 262.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tot Ion: 43 Resp: 1705071

Ion Ratio Lower Upper

43 100

86 10.0 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

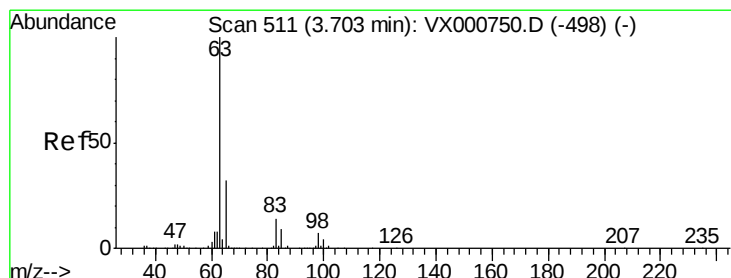
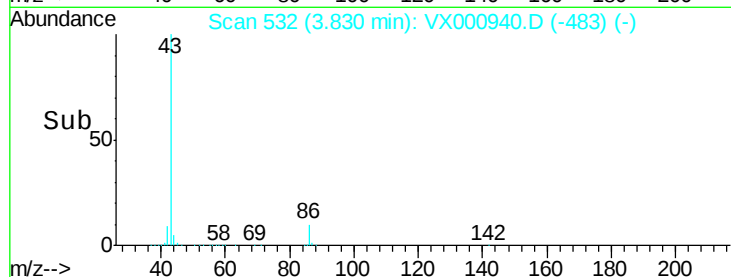
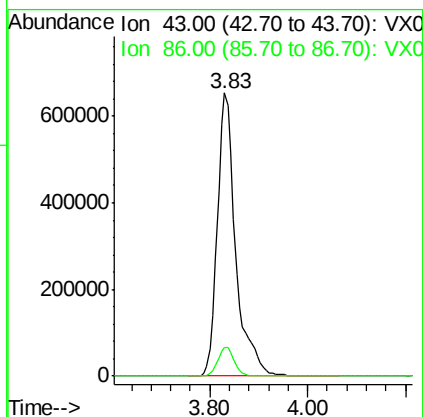
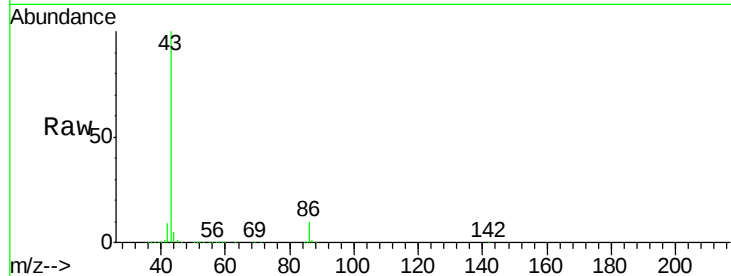
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.39 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

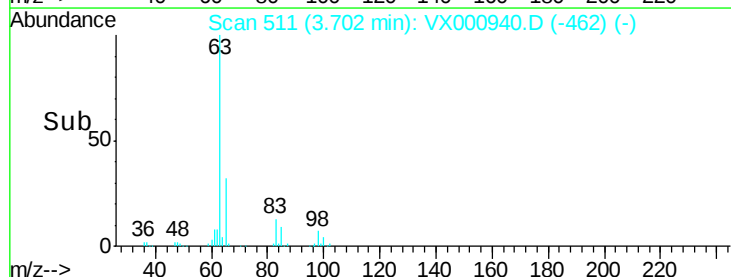
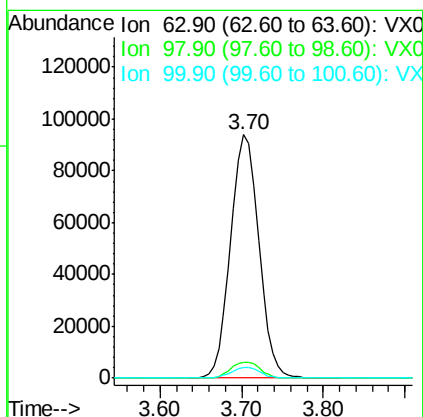
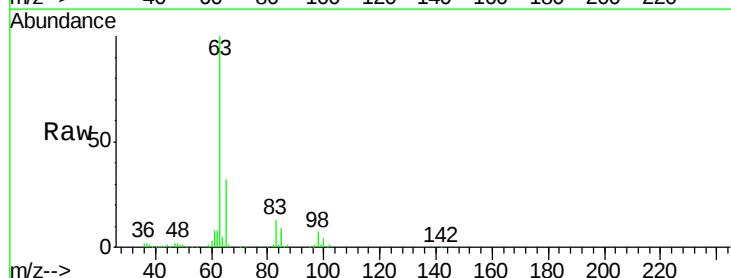
Tgt Ion: 63 Resp: 225739

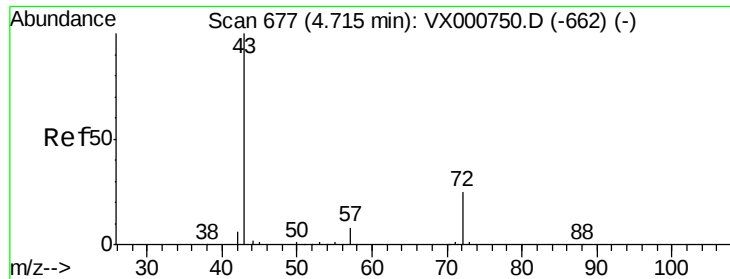
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 251.09 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 427565

Ion Ratio Lower Upper

43 100

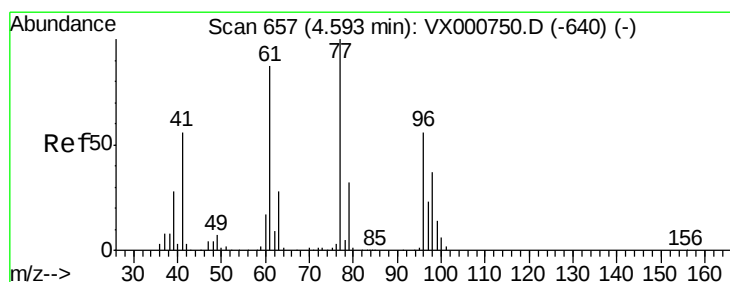
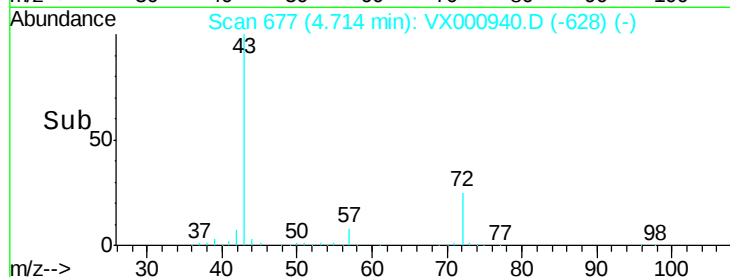
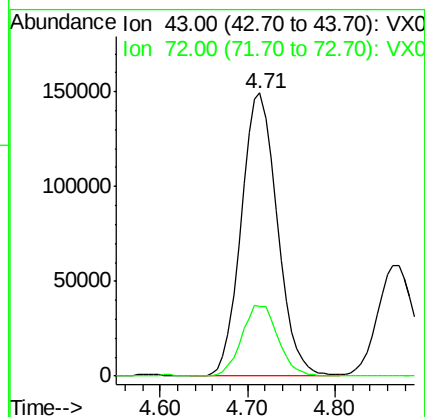
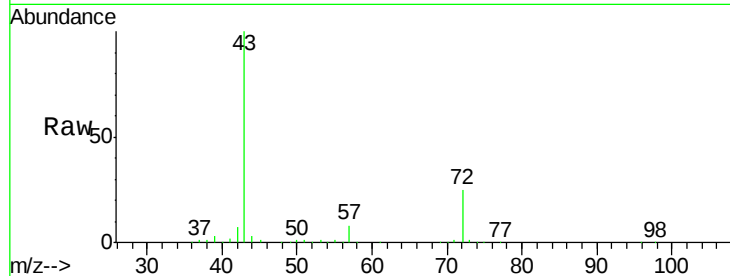
72 24.7 20.3 30.5

Manual Integrations

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4/18/2018 2:45:11 PM



#26

2,2-Dichloropropane

Concen: 40.77 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000940.D

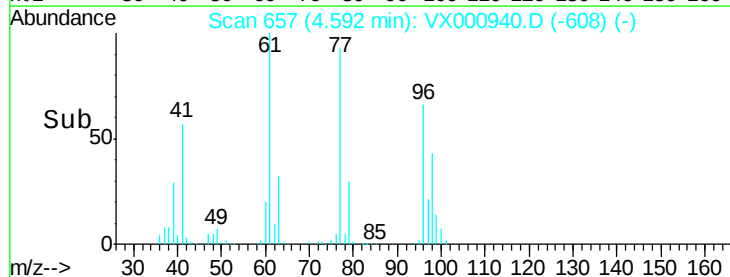
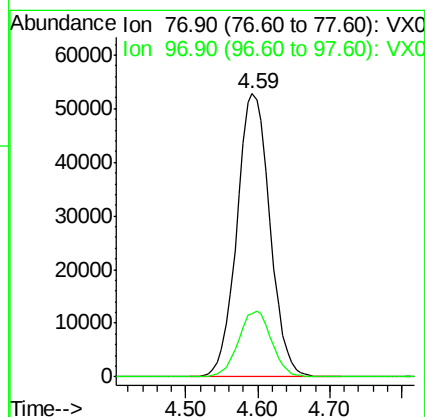
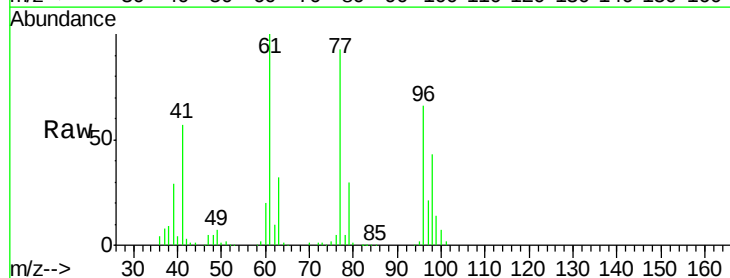
Acq: 17 Apr 2018 00:45

Tgt Ion: 77 Resp: 167937

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4





#27

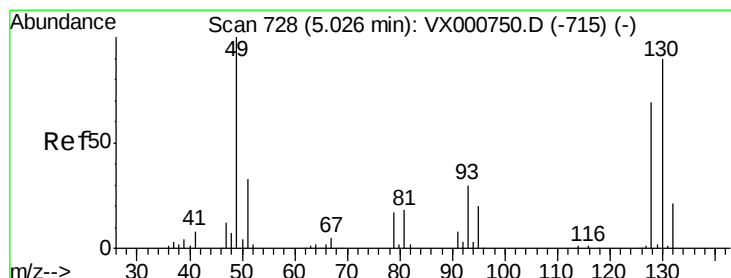
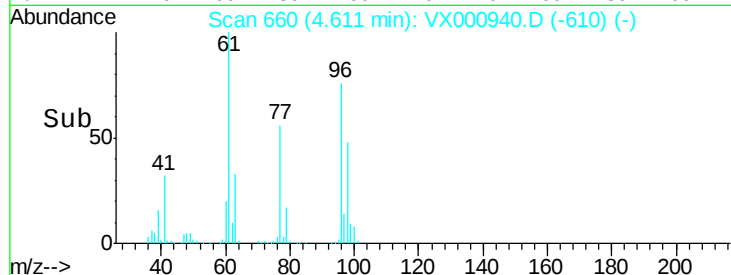
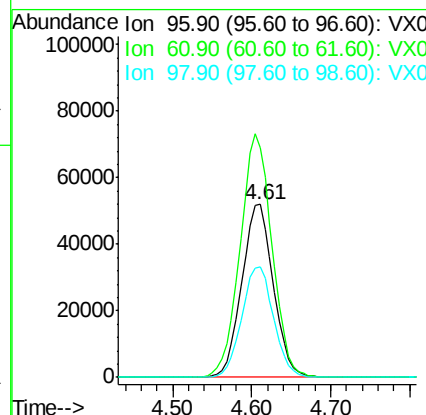
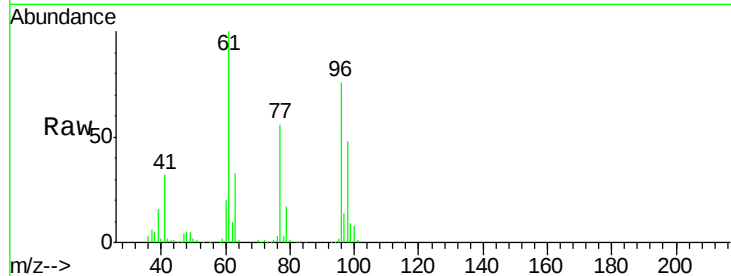
cis-1,2-Dichloroethene
 Concen: 52.97 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.5	0.0	292.4	
98	64.7	0.0	130.2	

Manual Integrations
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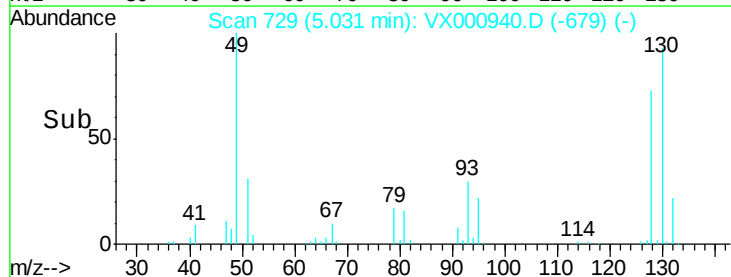
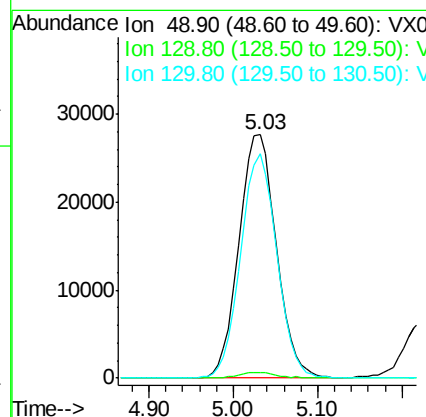
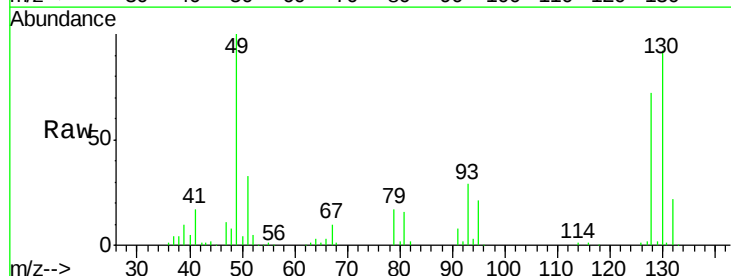
MMDadoda
 4/18/2018 2:45:11 PM

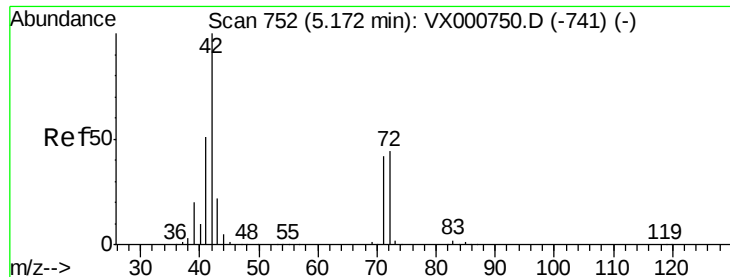


#28

Bromochloromethane
 Concen: 49.93 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	89.0	72.6	109.0	





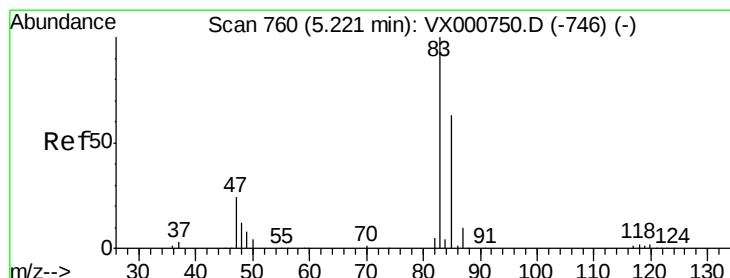
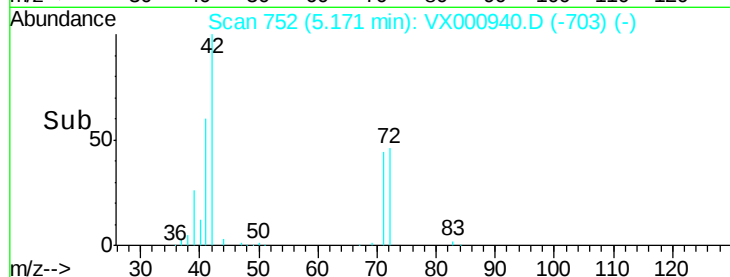
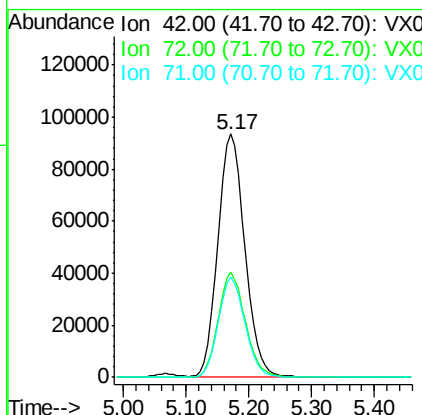
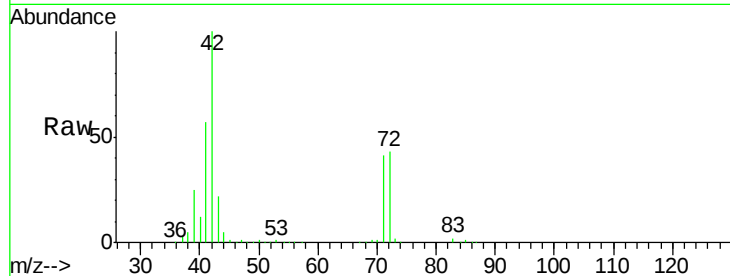
#29
Tetrahydrofuran
Concen: 257.15 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.1	52.7
71	40.6	32.8	49.2

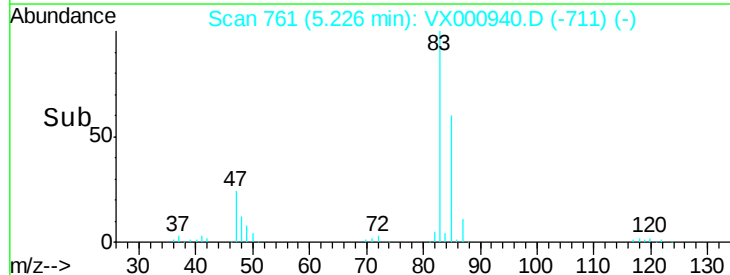
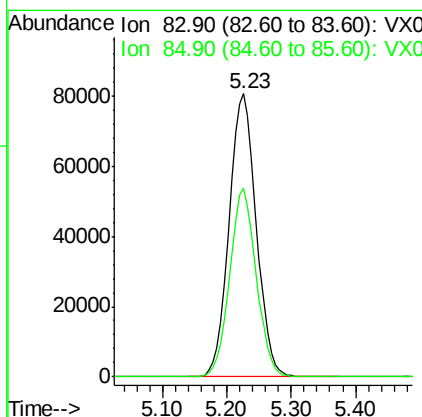
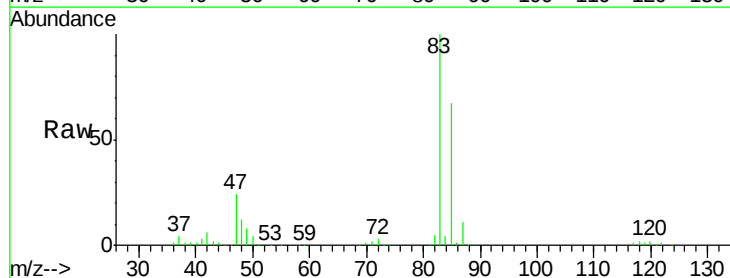
Manual Integrations
APPROVED

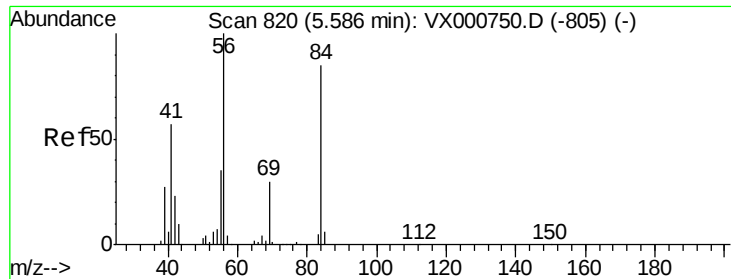
MMDadoda
4/18/2018 2:45:11 PM



#30
Chloroform
Concen: 54.02 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.7	76.1





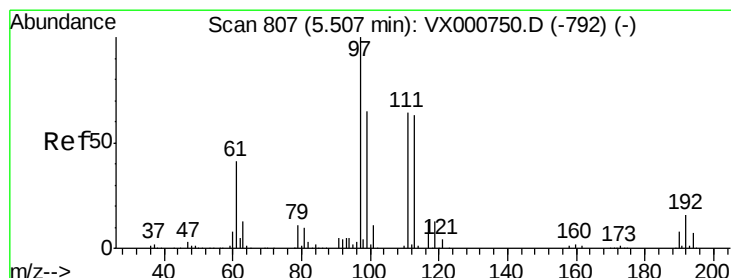
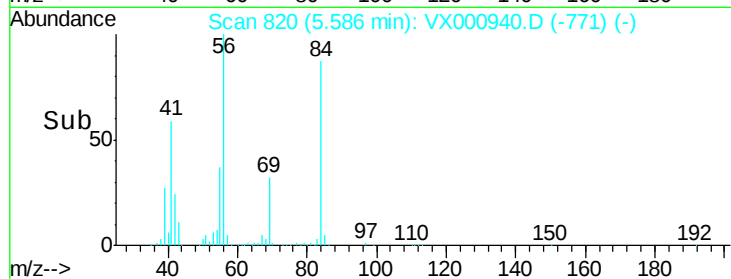
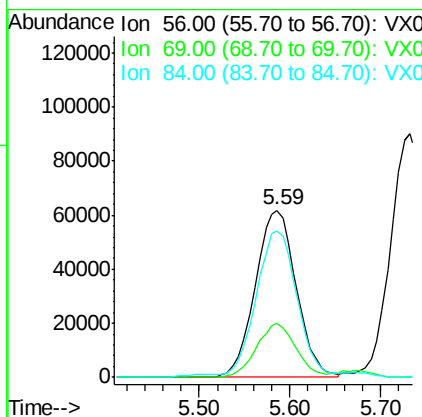
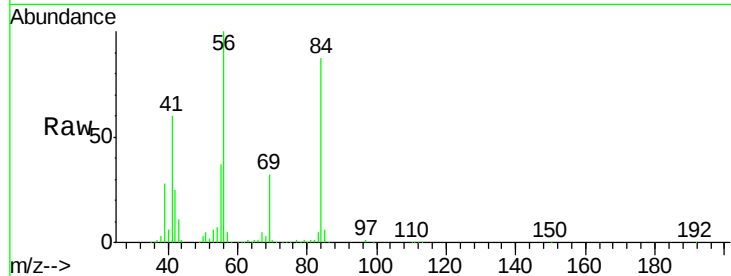
#31
Cyclohexane
Concen: 48.91 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.2	36.4
84	86.1	67.6	101.4

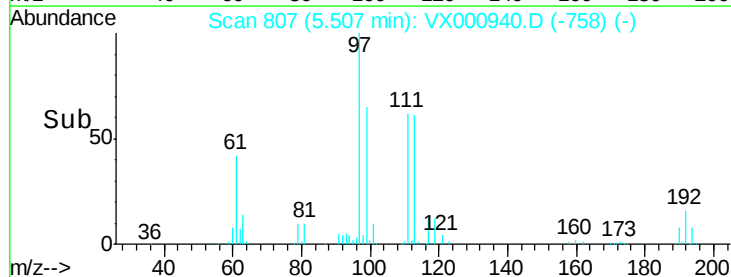
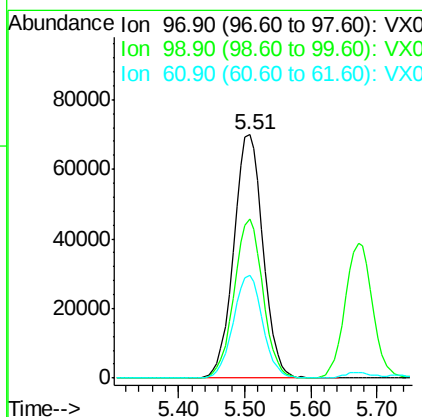
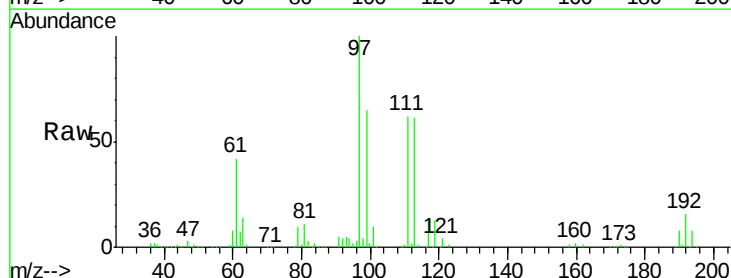
Manual Integrations
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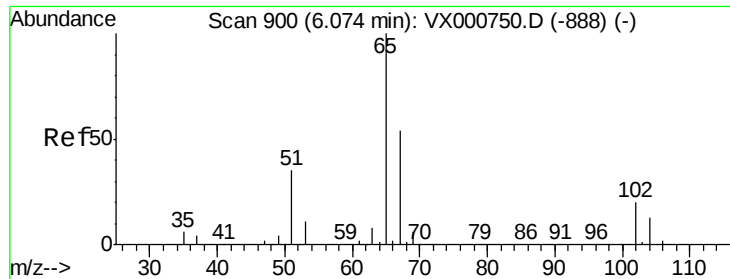
MMDadoda
4/18/2018 2:45:11 PM



#32
1,1,1-Trichloroethane
Concen: 51.22 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	42.7	33.7	50.5





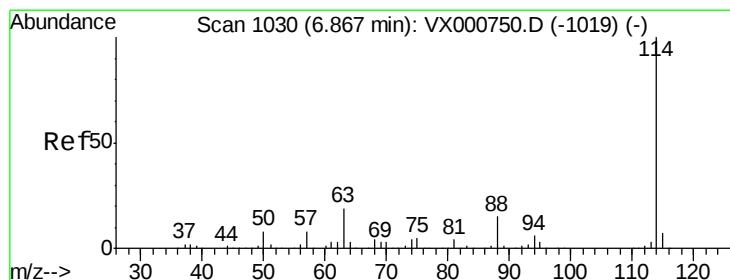
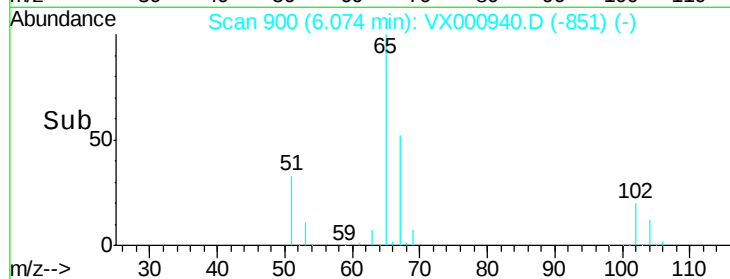
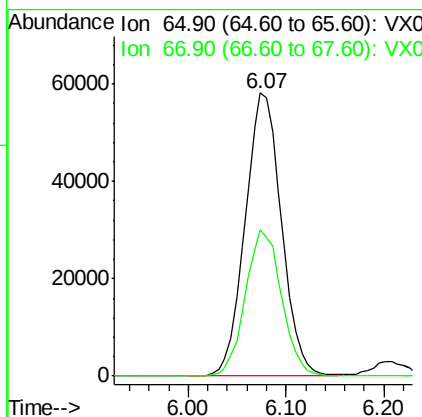
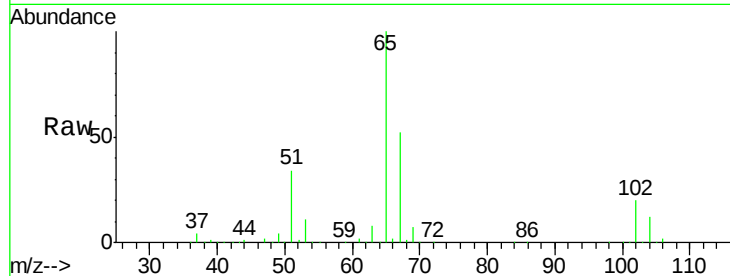
#33
 1,2-Dichloroethane-d4
 Concen: 50.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	150350		
67	51.7	0.0	103.8	

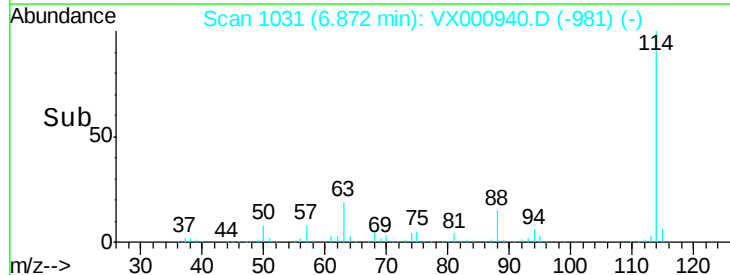
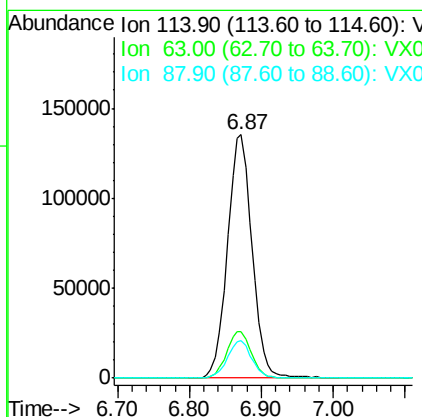
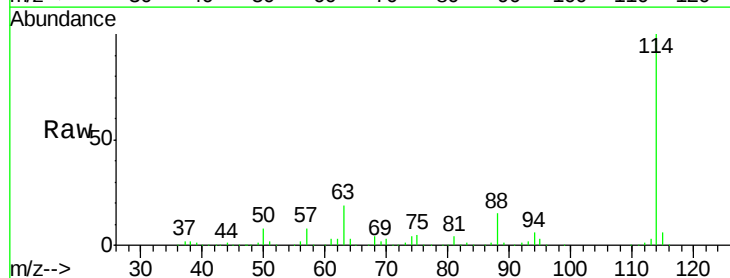
Manual Integrations
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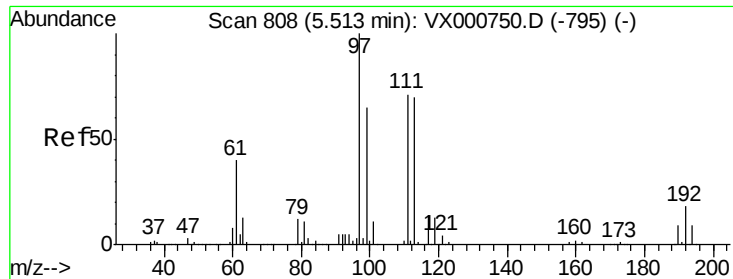
MMDadoda
 4/18/2018 2:45:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322281		
63	19.1	0.0	38.4	
88	15.4	0.0	31.0	





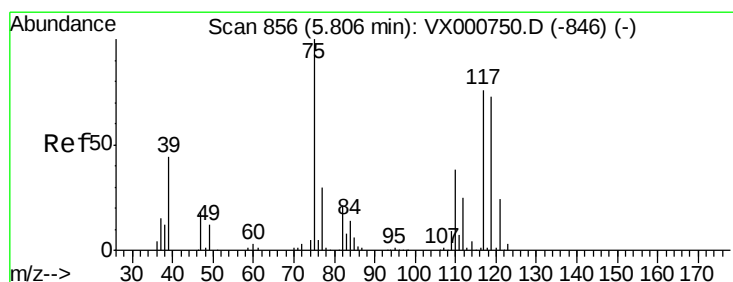
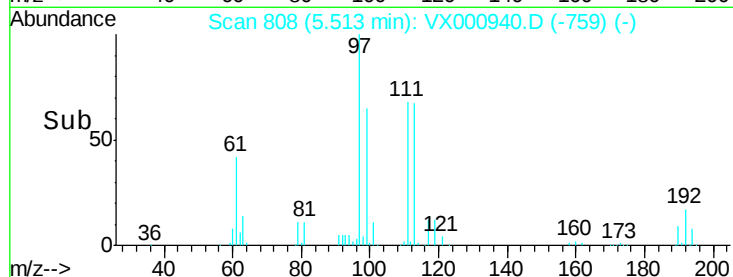
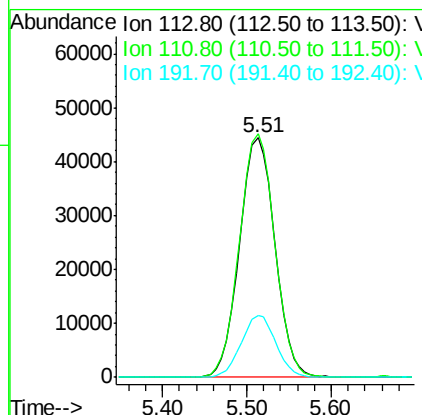
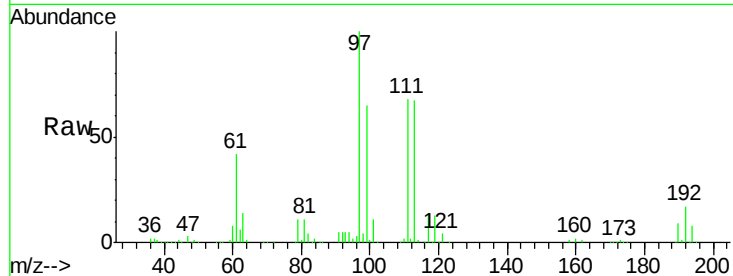
#35
 Dibromofluoromethane
 Concen: 50.91 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126409		
111	101.3	81.5	122.3	
192	25.3	20.4	30.6	

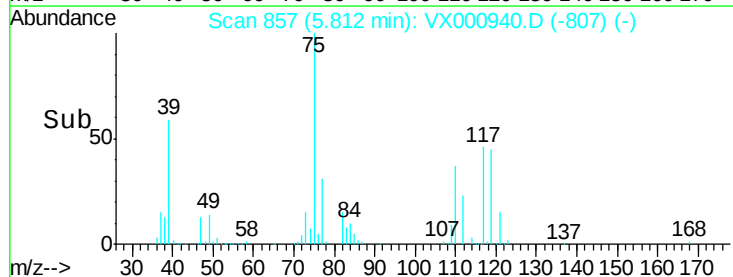
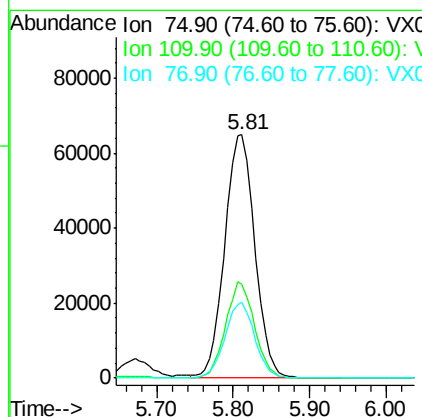
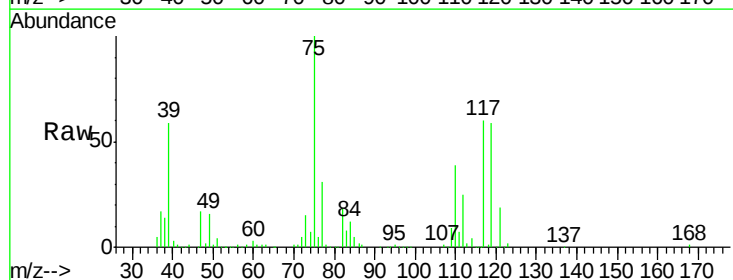
Manual Integrations
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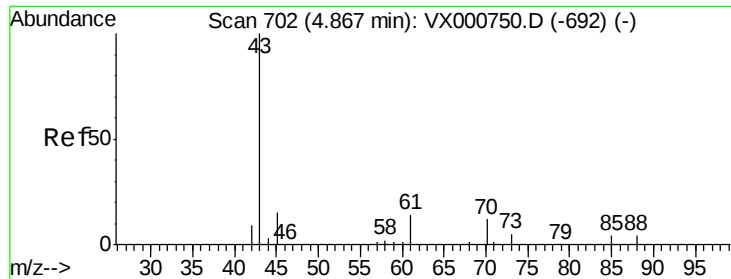
MMDadoda
 4/18/2018 2:45:11 PM



#36
 1,1-Dichloropropene
 Concen: 49.65 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176227		
110	37.9	19.2	57.6	
77	31.0	25.4	38.2	





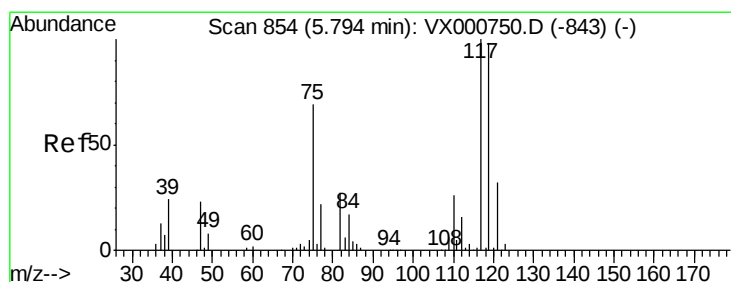
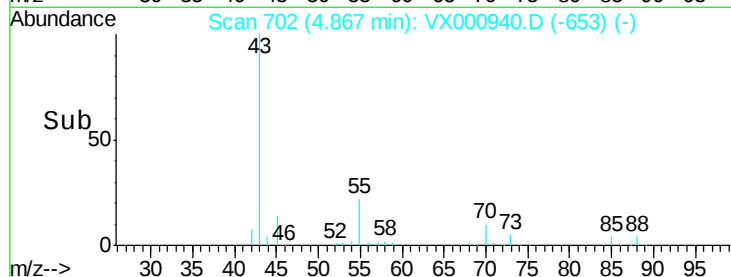
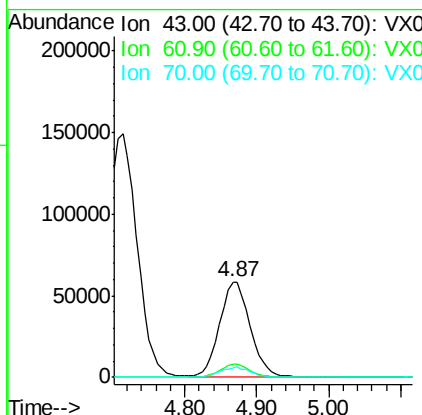
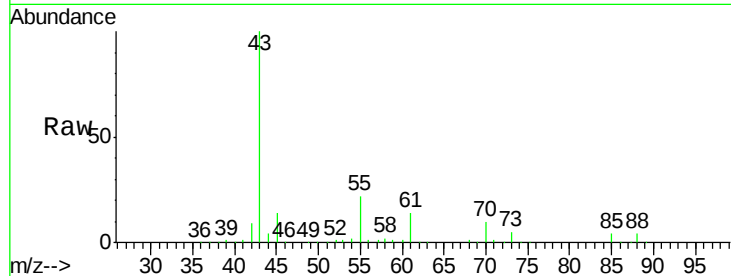
#37
Ethyl Acetate
Concen: 49.80 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.6	8.7	13.1

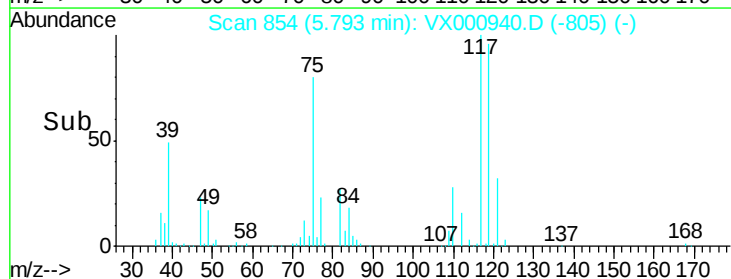
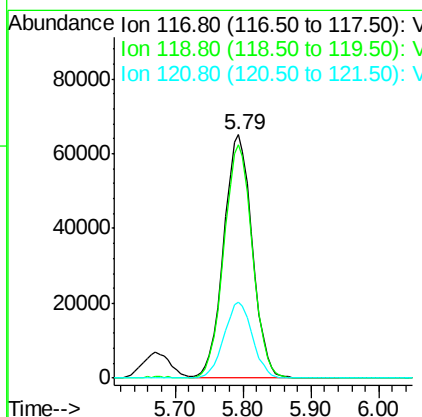
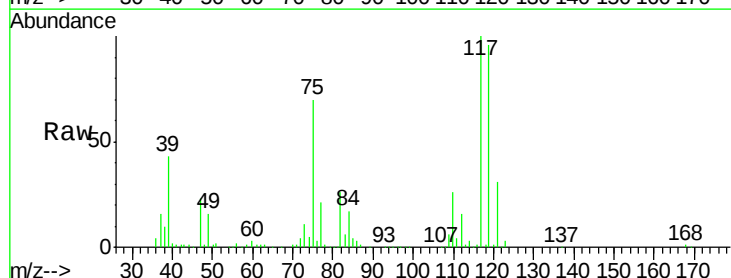
Manual Integrations
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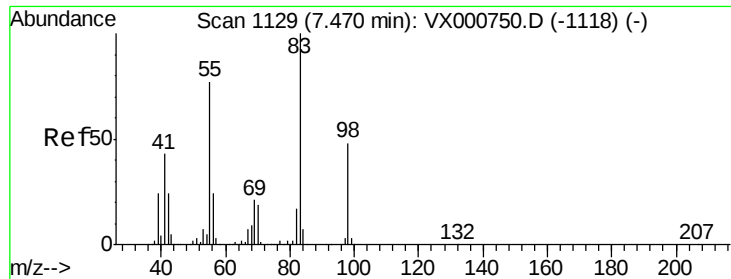
MMDadoda
4/18/2018 2:45:11 PM



#38
Carbon Tetrachloride
Concen: 47.63 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.4	117.6
121	31.4	25.4	38.0





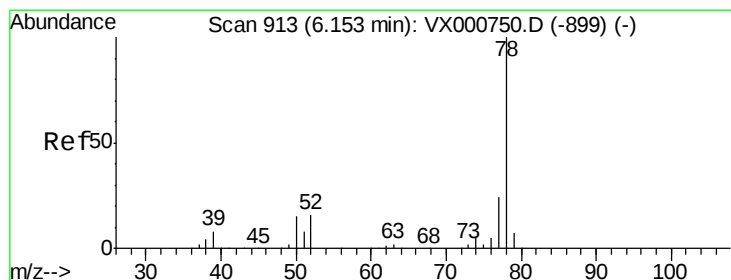
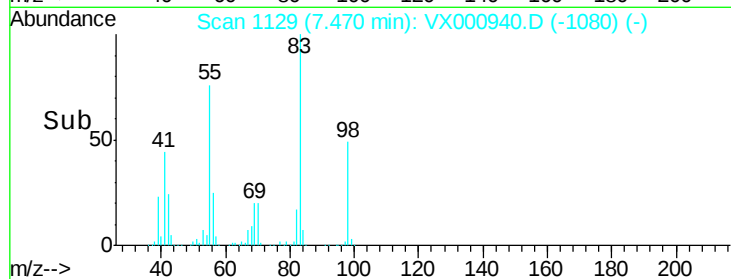
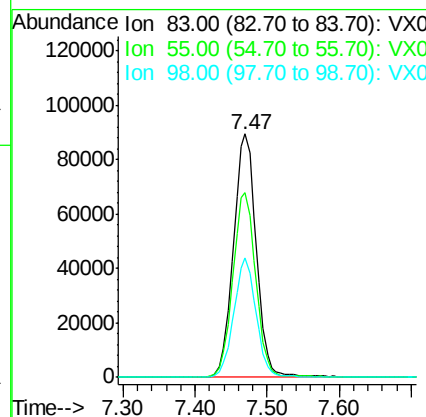
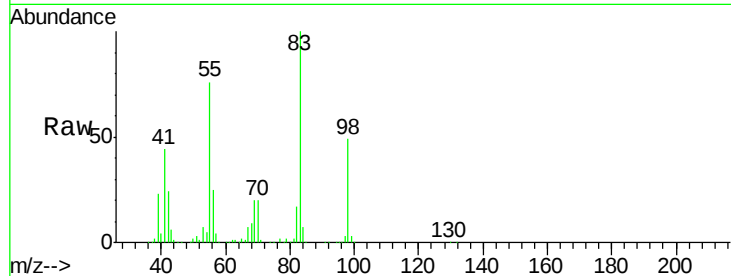
#39
Methvlcvclohexane
Concen: 46.52 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198303		
55	76.0		61.5	92.3
98	48.9		38.1	57.1

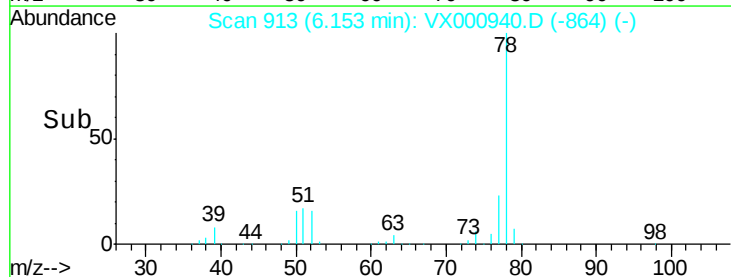
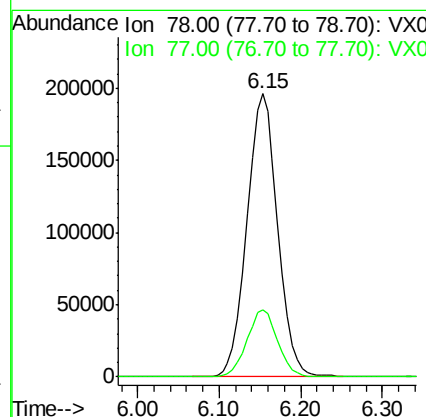
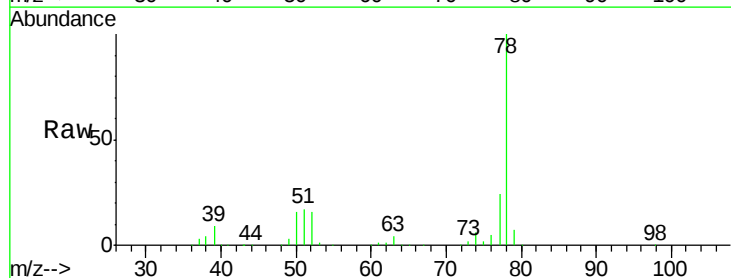
Manual Integrations
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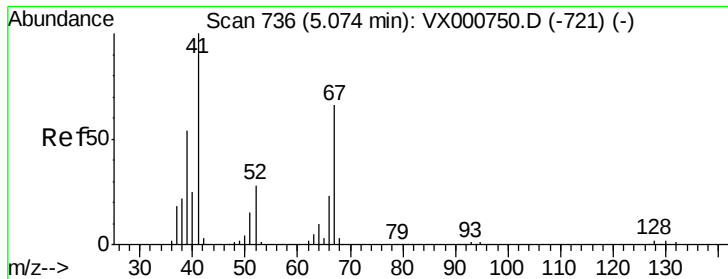
MMDadoda
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#40
Benzene
Concen: 51.88 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	511684		
77	23.7		19.0	28.6





#41

Methacrylonitrile

Concen: 51.76 ug/l

RT: 5.07 min Scan# 736

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

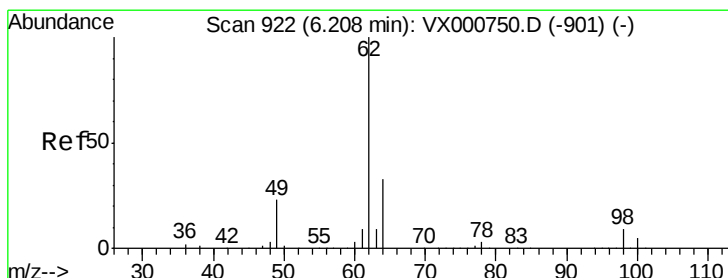
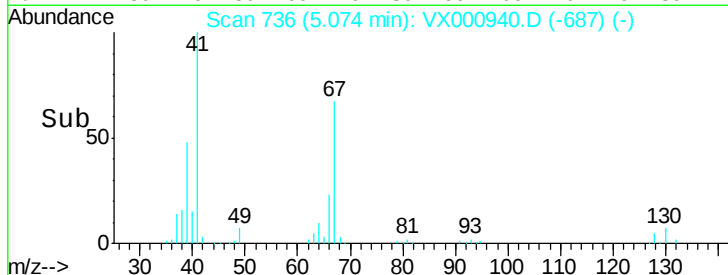
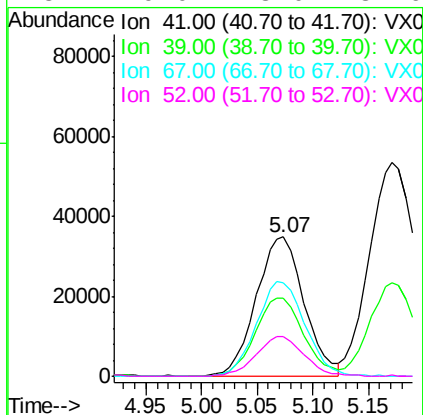
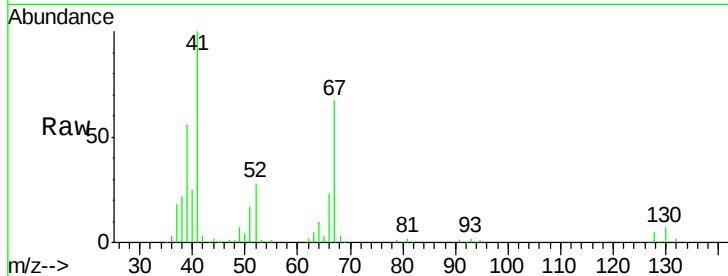
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	44.9	67.3	
67	69.3	54.7	82.1	
52	29.0	23.0	34.6	

Manual Integrations
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4/18/2018 2:45:11 PM



#42

1,2-Dichloroethane

Concen: 52.43 ug/l

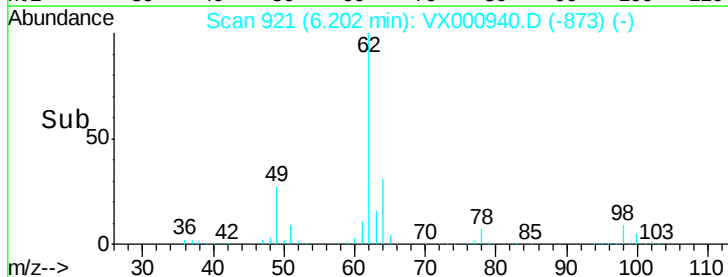
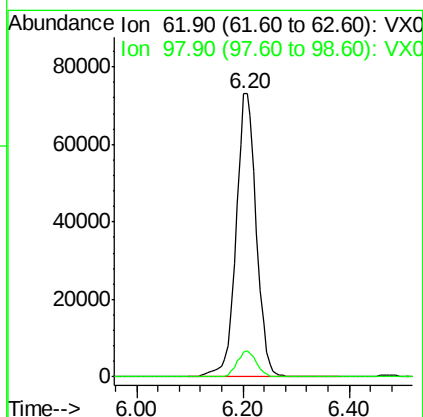
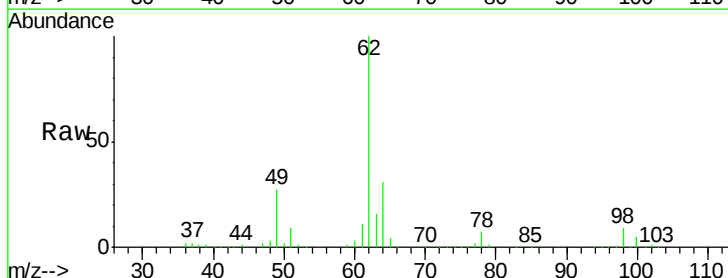
RT: 6.20 min Scan# 921

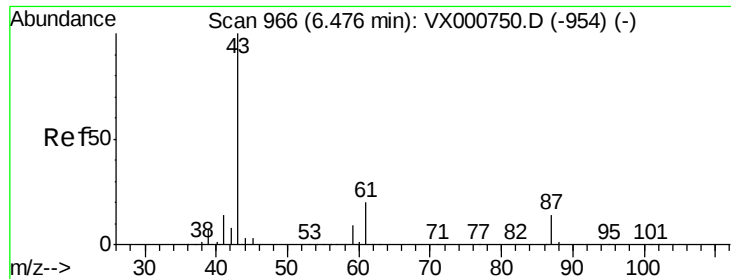
Delta R.T. -0.01 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.6	





#43

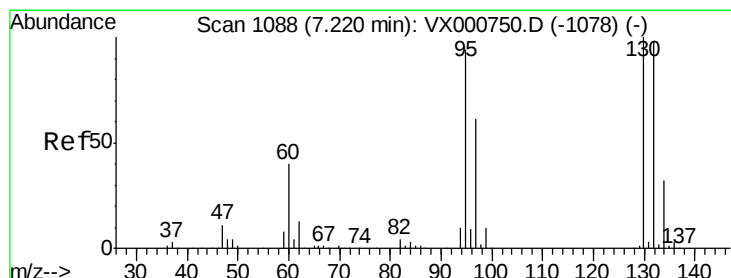
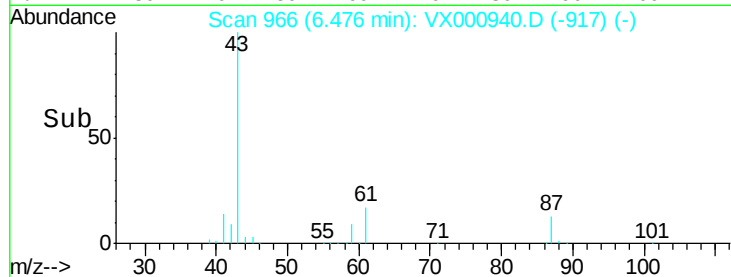
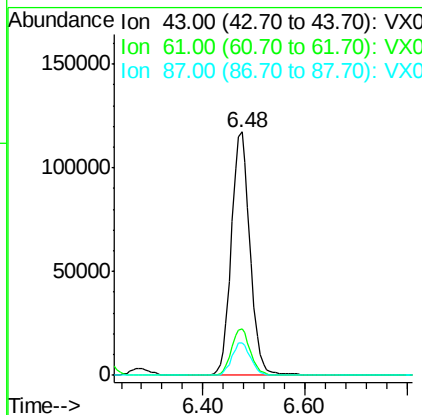
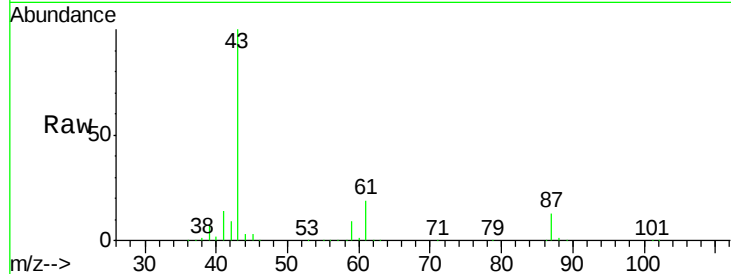
Isopropyl Acetate
 Concen: 50.18 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.4	10.7	16.1

Manual Integrations
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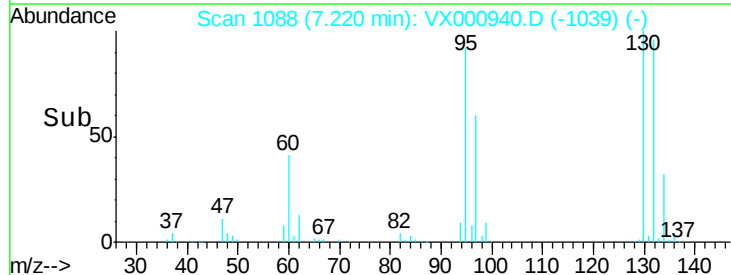
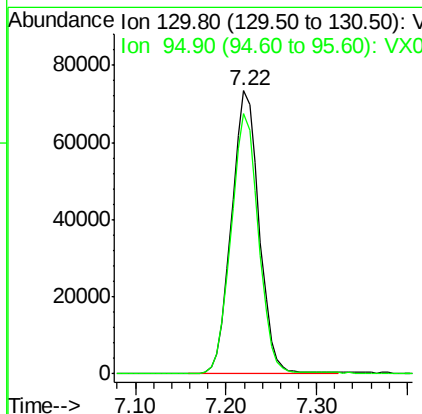
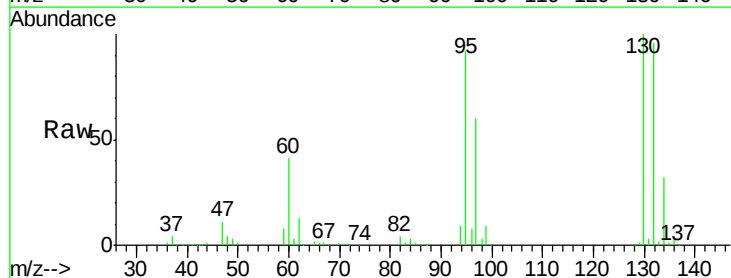
MMDadoda
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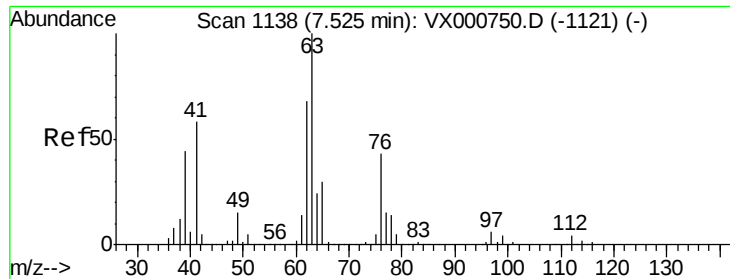


#44

Trichloroethene
 Concen: 50.84 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 53.28 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 133814

Ion Ratio Lower Upper

63 100

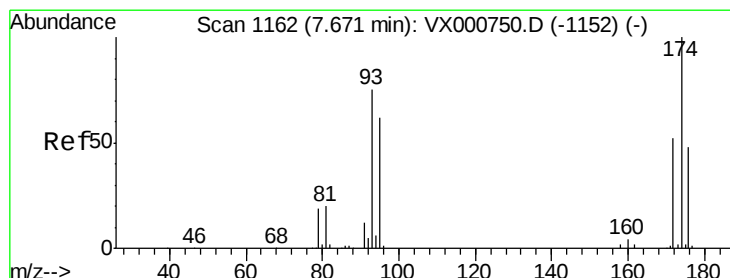
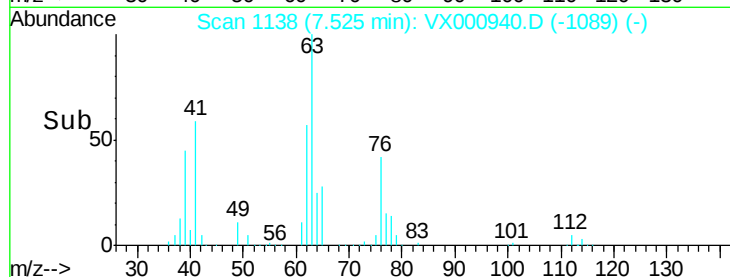
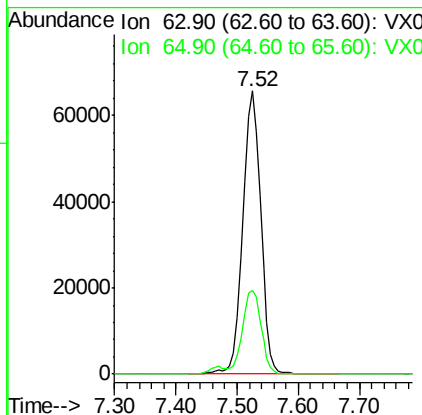
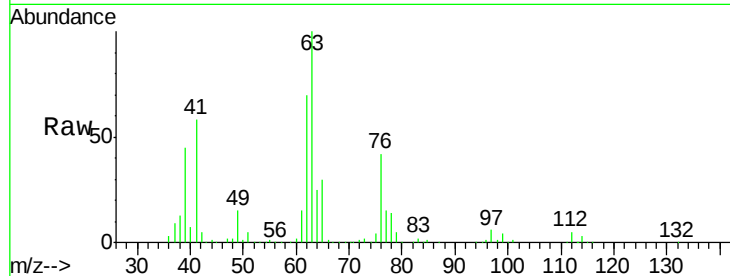
65 29.7 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 51.81 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

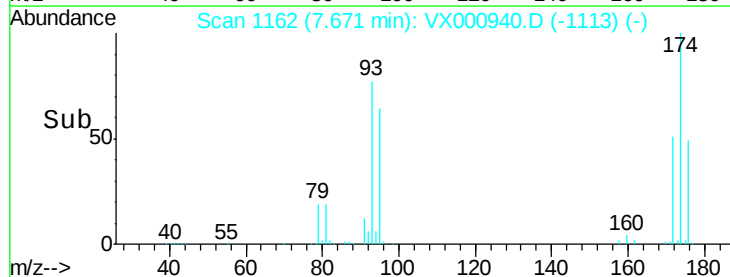
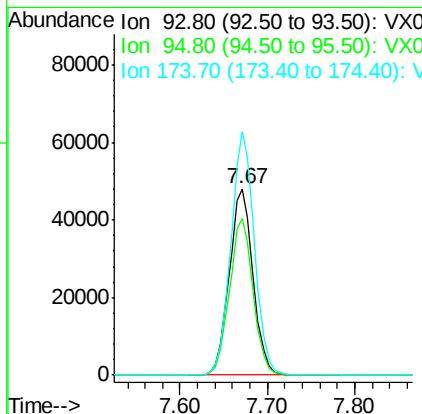
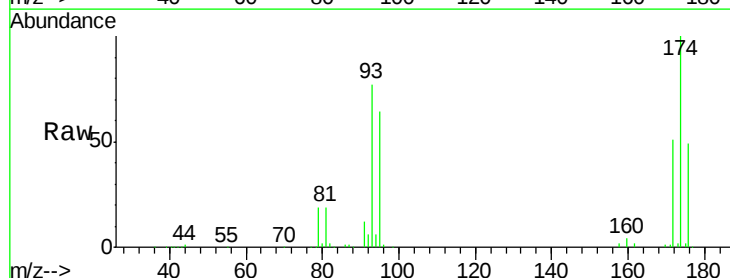
Tgt Ion: 93 Resp: 90720

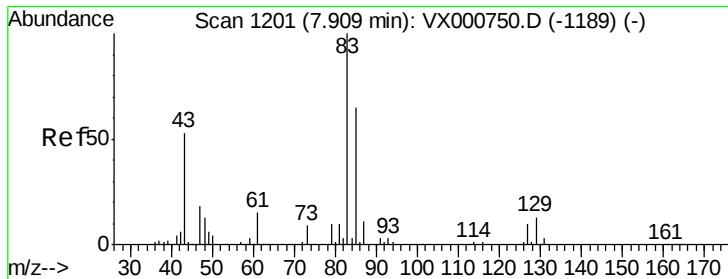
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 129.2 104.5 156.7





#47

Bromodichloromethane

Concen: 50.19 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

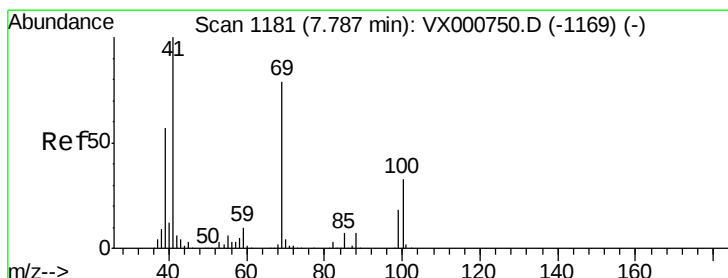
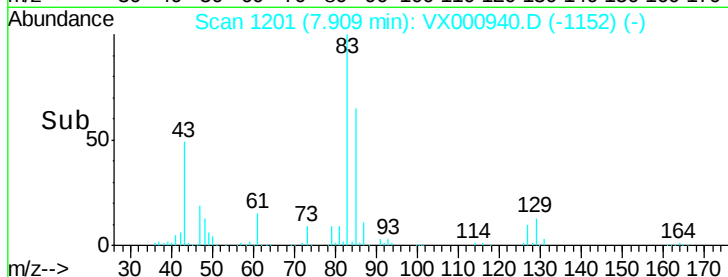
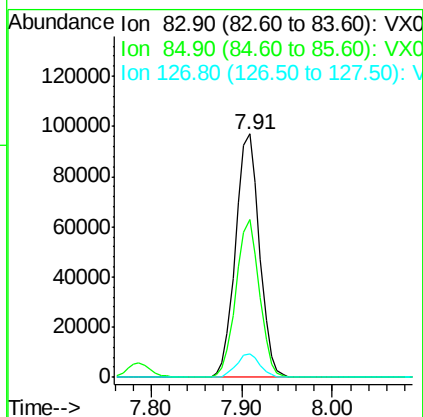
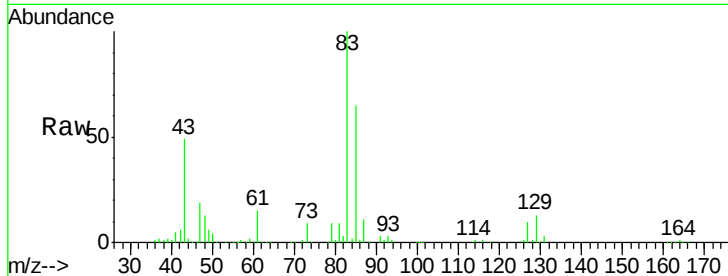
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	177364
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4
127	9.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.34 ug/l

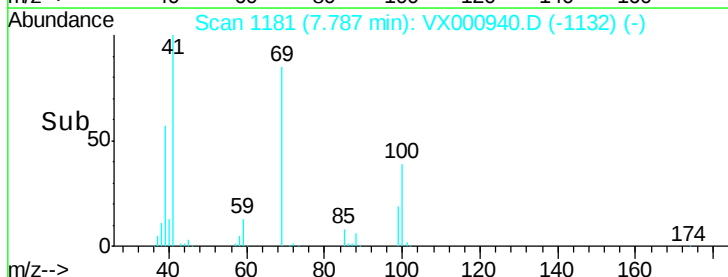
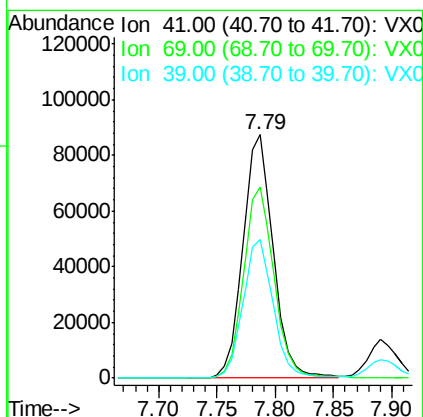
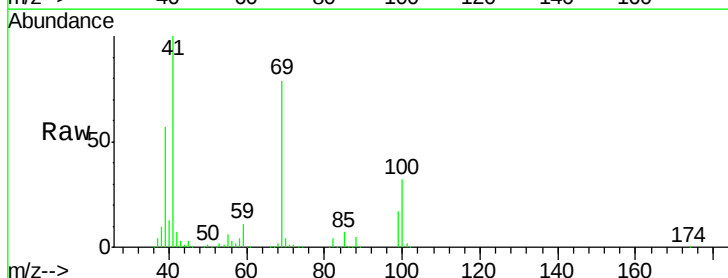
RT: 7.79 min Scan# 1181

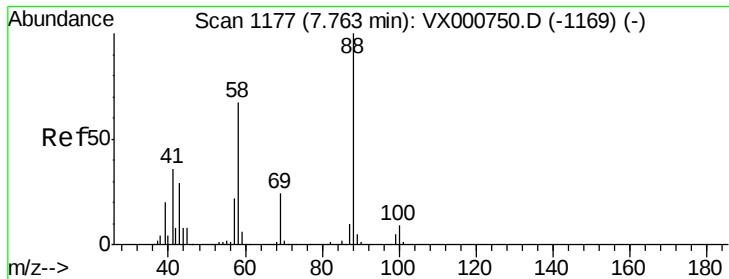
Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion:	41	Resp:	158074
Ion	Ratio	Lower	Upper
41	100		
69	79.8	63.9	95.9
39	57.0	45.9	68.9





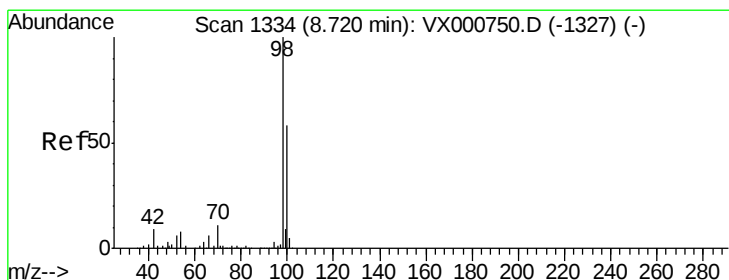
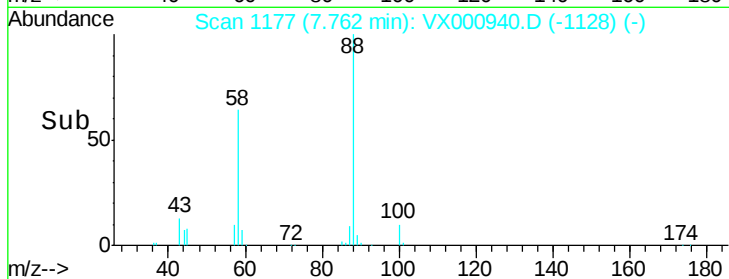
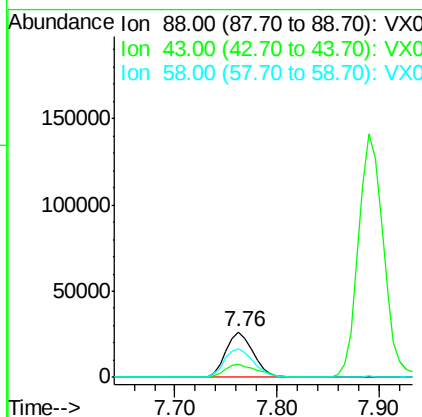
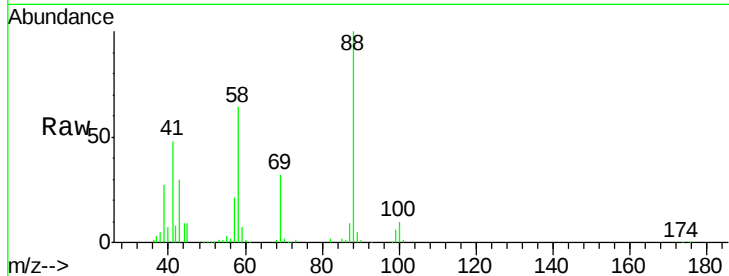
#49
 1,4-Dioxane
 Concen: 790.61 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	25.8	38.8
58	69.3	54.4	81.6

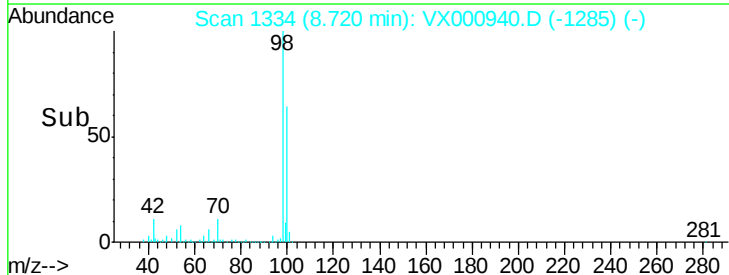
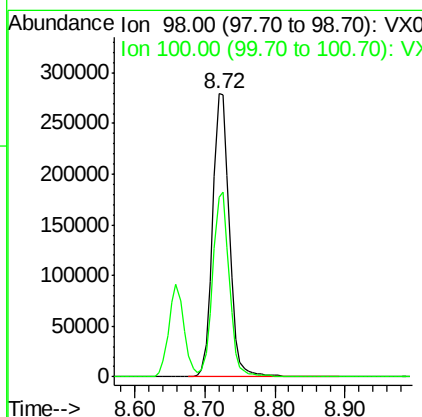
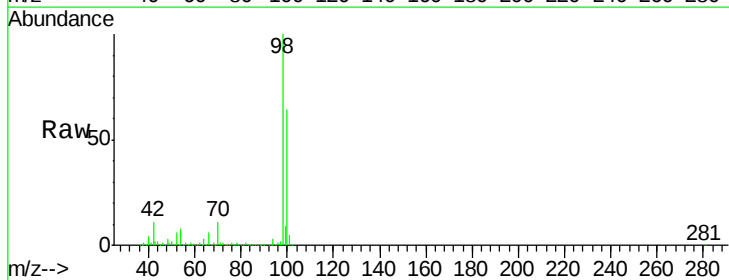
Manual Integrations
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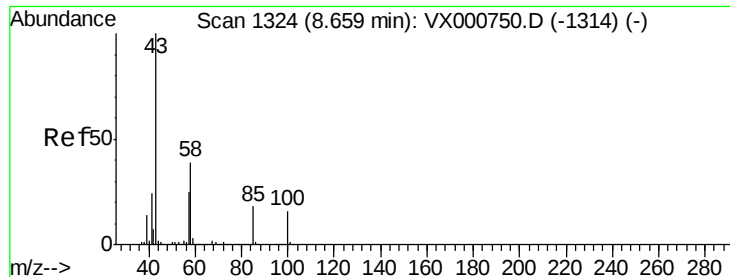
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#50
 Toluene-d8
 Concen: 50.35 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 261.41 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 912199

Ion Ratio Lower Upper

43 100

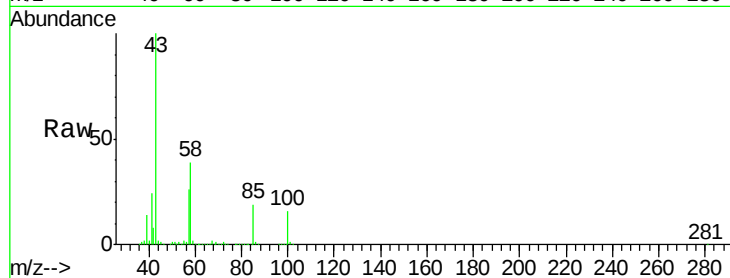
58 37.9 30.3 45.5

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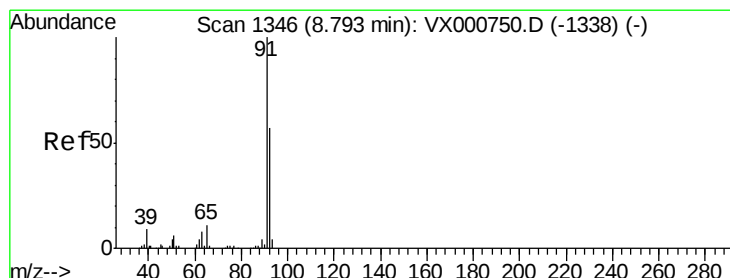
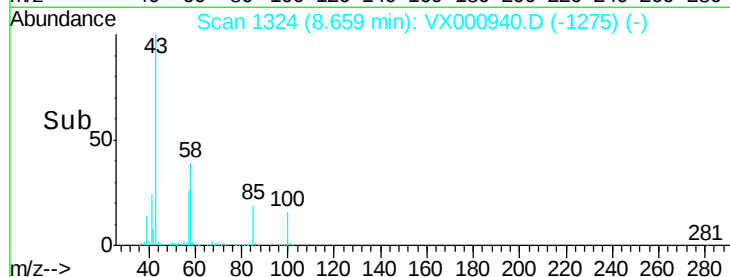
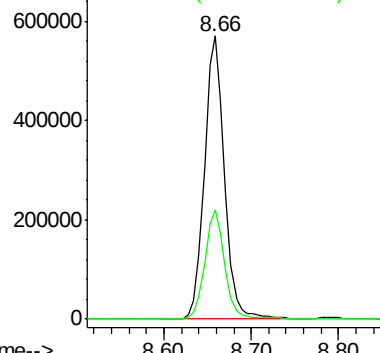
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.69 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000940.D

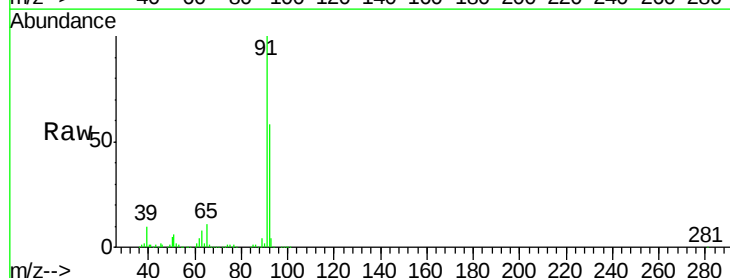
Acq: 17 Apr 2018 00:45

Tgt Ion: 92 Resp: 338171

Ion Ratio Lower Upper

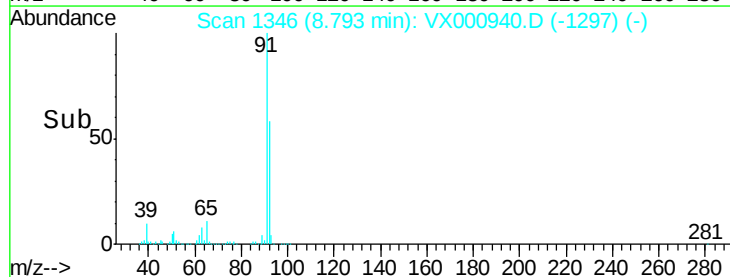
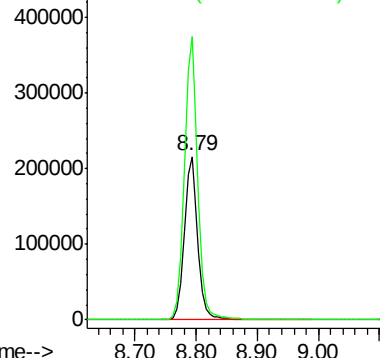
92 100

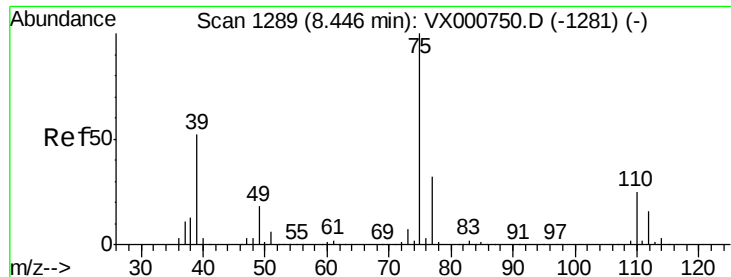
91 173.0 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





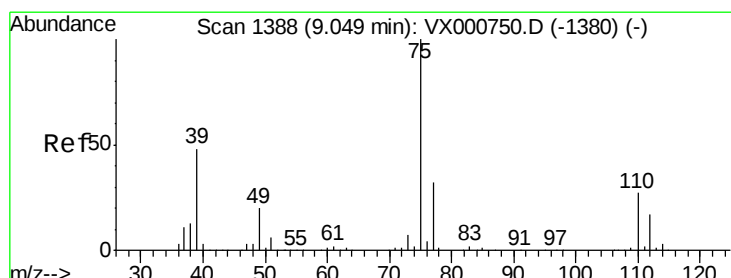
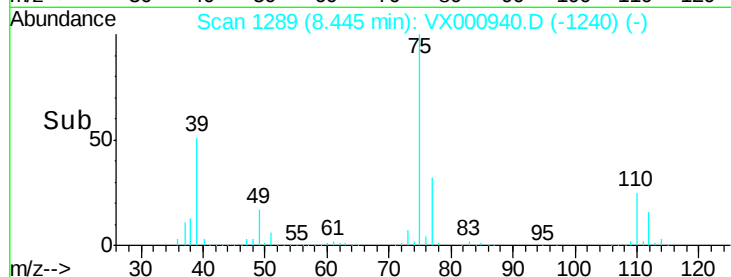
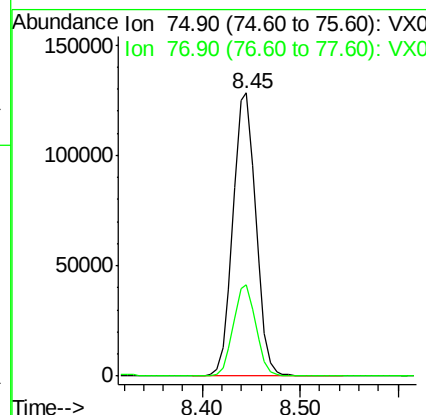
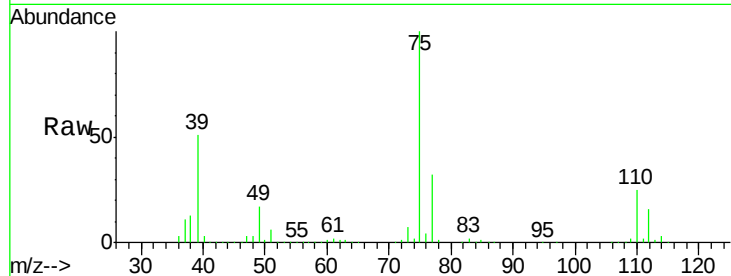
#53
 t-1,3-Dichloropropene
 Concen: 49.28 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 208875
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2

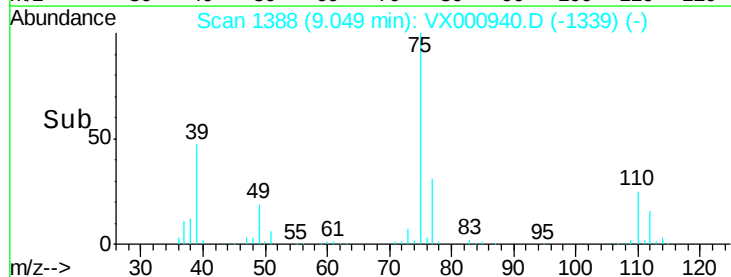
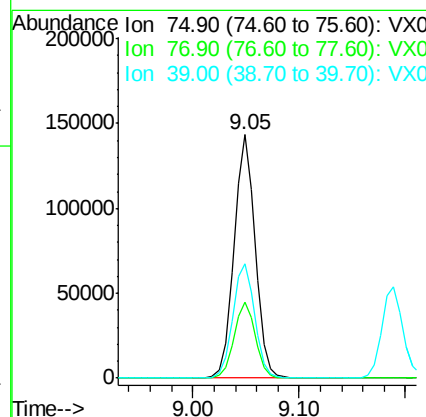
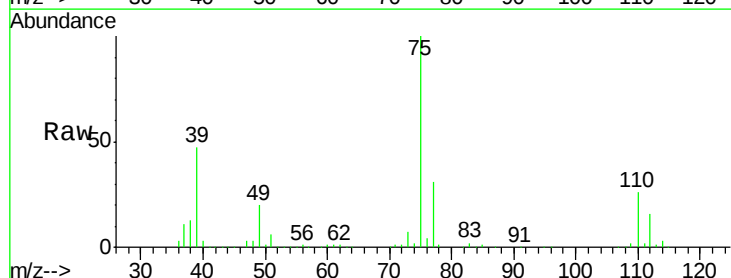
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#54
 cis-1,3-Dichloropropene
 Concen: 48.28 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion: 75 Resp: 199257
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2
 39 46.8 38.6 58.0





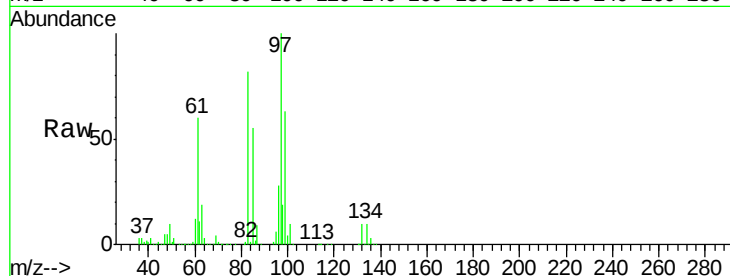
#55
 1,1,2-Trichloroethane
 Concen: 53.20 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

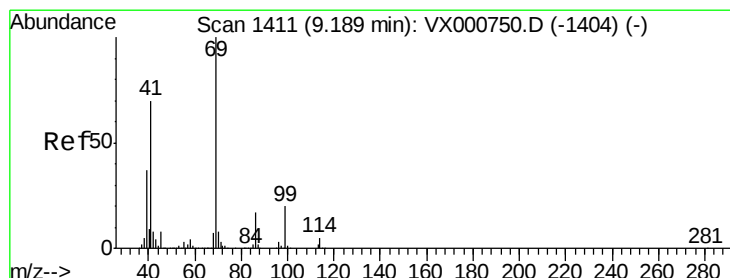
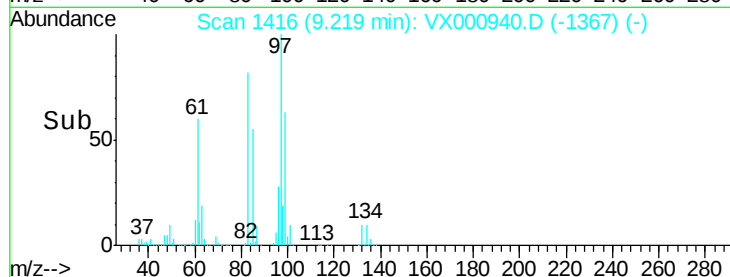
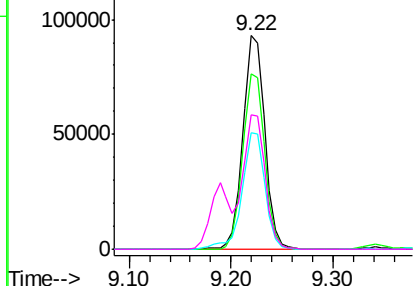
Tot Ion:	97	Resp:	138192
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.6	101.4
85	54.7	43.8	65.6
99	62.9	50.2	75.4

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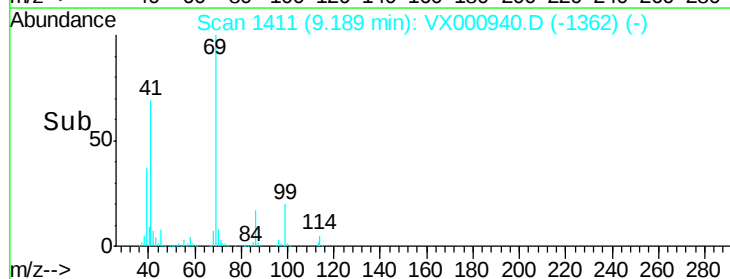
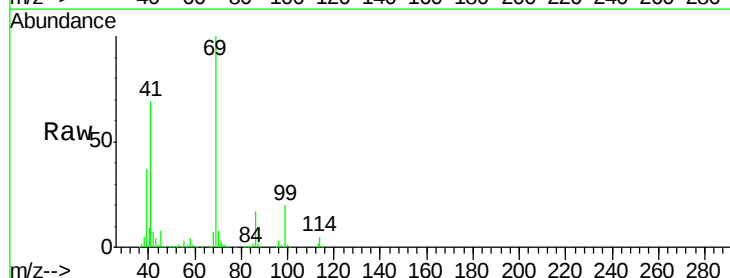
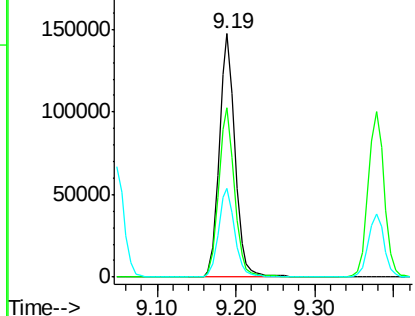
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

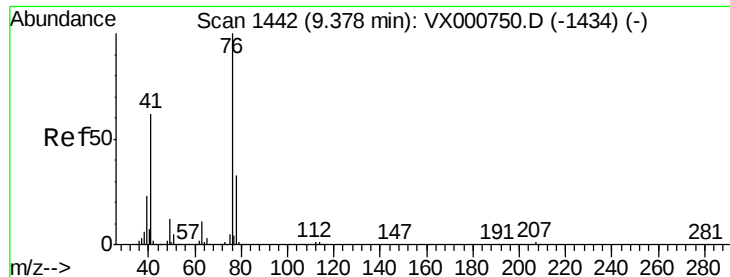


#56
 Ethyl methacrylate
 Concen: 51.38 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion:	69	Resp:	205854
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.6	83.4
39	37.4	30.3	45.5

Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.05 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 223197

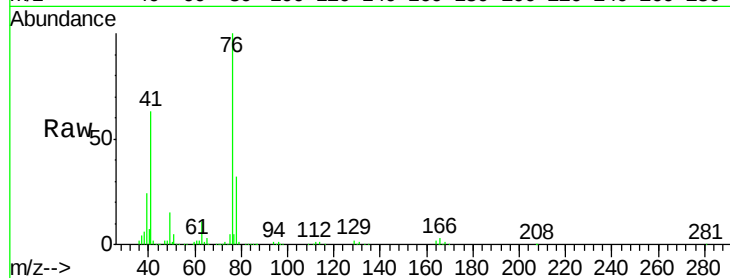
Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6

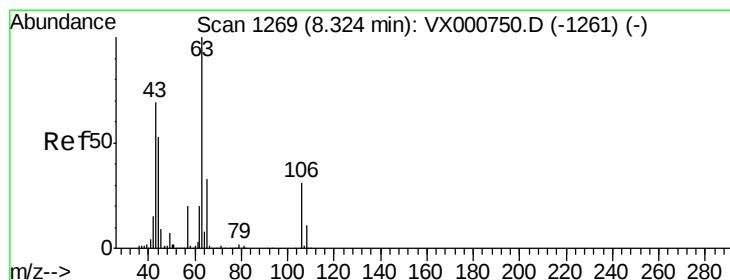
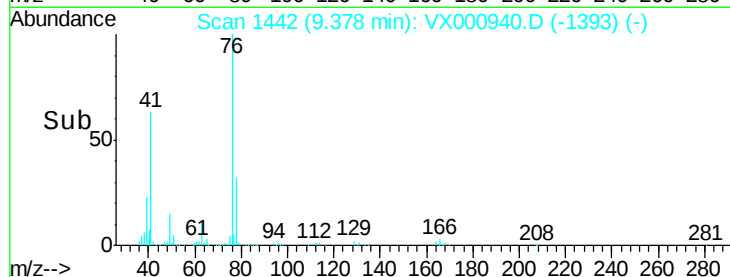
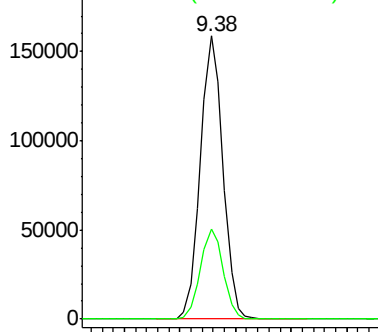
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 274.24 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000940.D

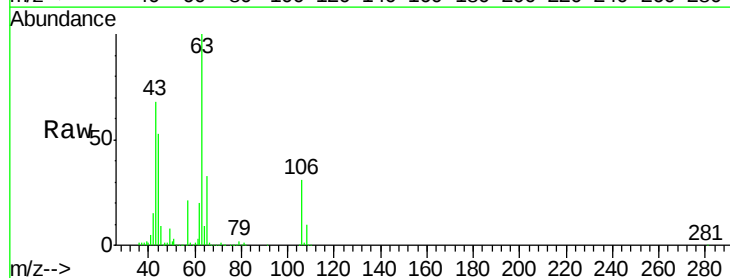
Acq: 17 Apr 2018 00:45

Tgt Ion: 63 Resp: 513398

Ion Ratio Lower Upper

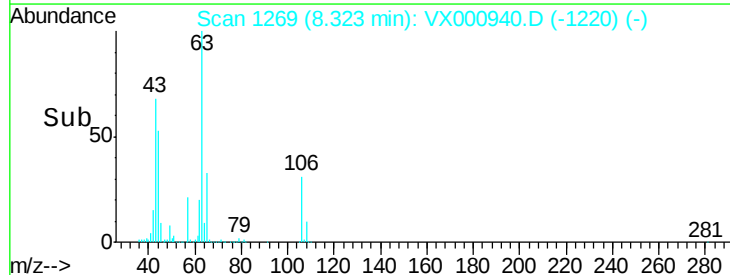
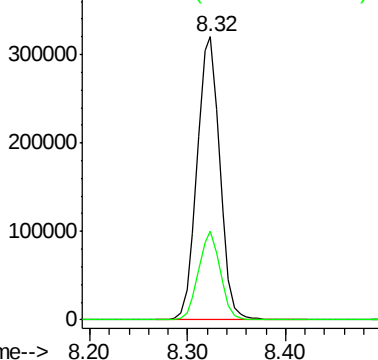
63 100

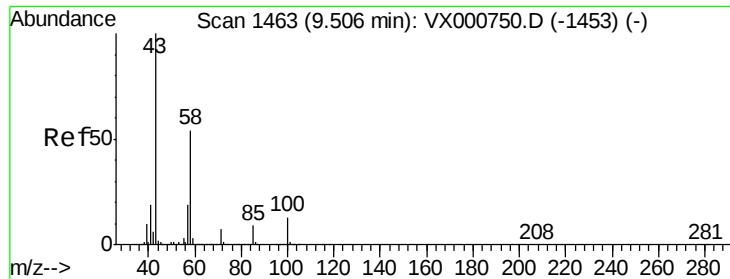
106 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





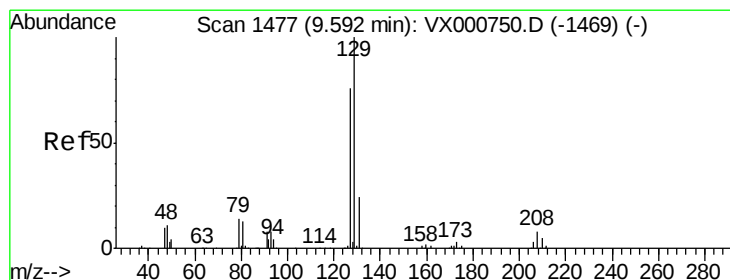
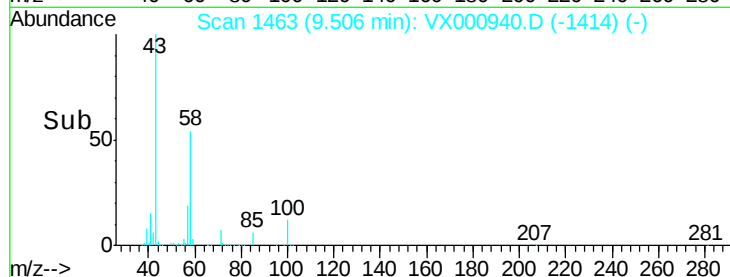
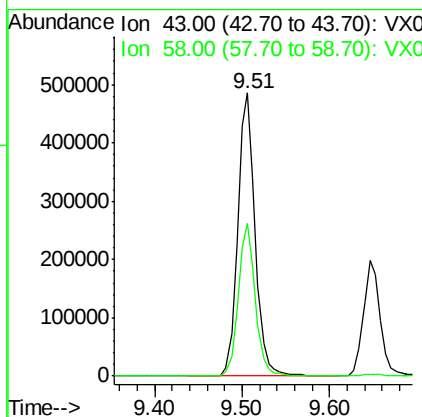
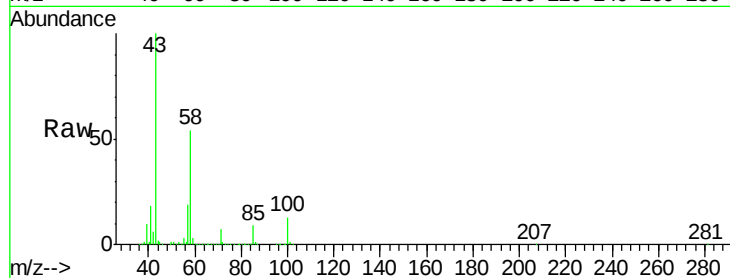
#59
2-Hexanone
Concen: 249.98 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 673422
Ion Ratio Lower Upper
43 100
58 53.1 26.5 79.5

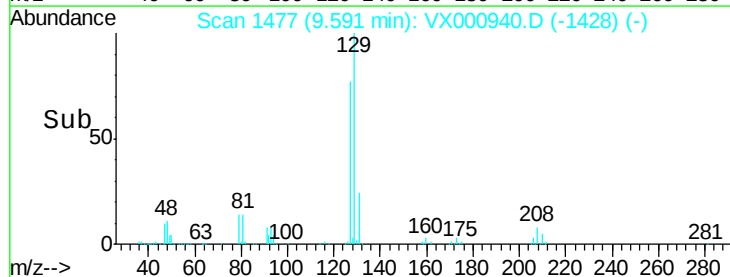
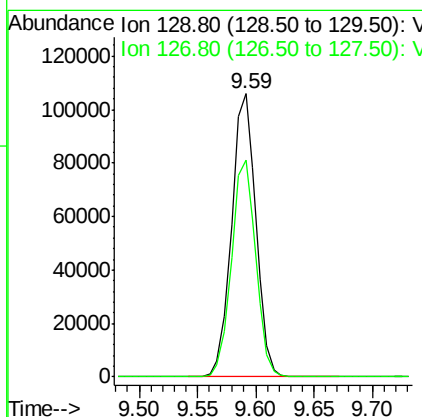
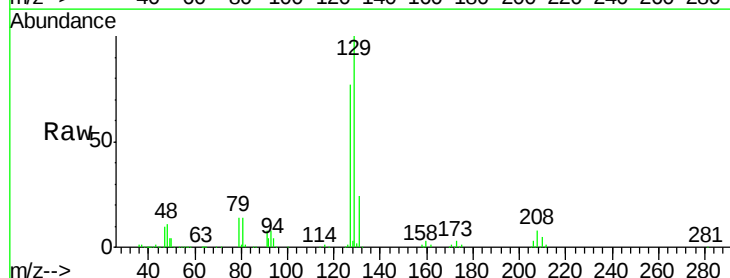
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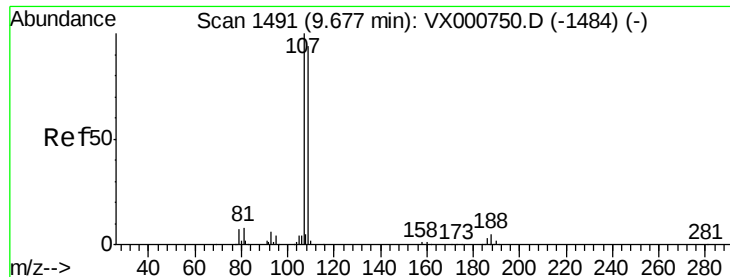
MMDadoda
4/18/2018 2:45:11 PM



#60
Dibromochloromethane
Concen: 49.55 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion: 129 Resp: 153984
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 53.04 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 146164

Ion Ratio Lower Upper

107 100

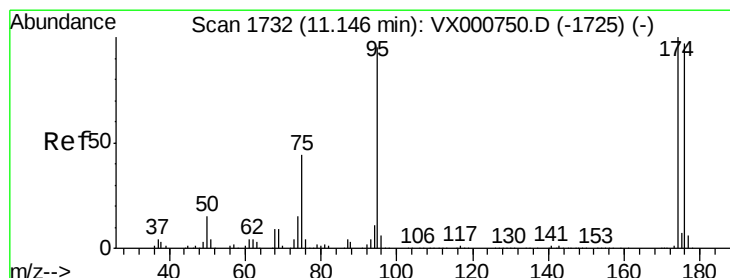
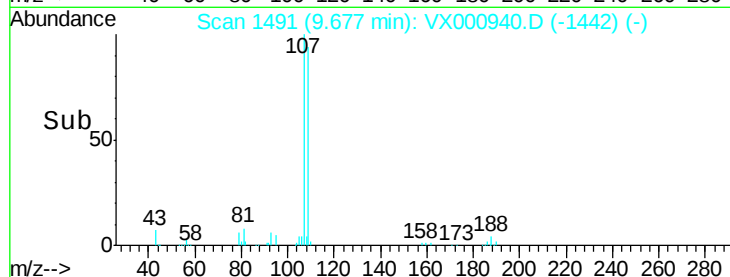
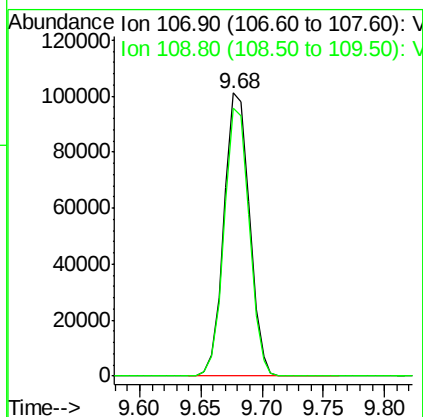
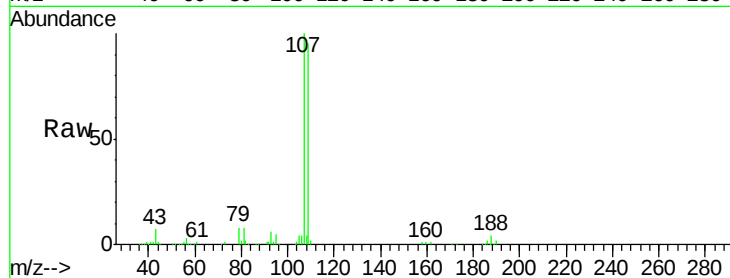
109 93.5 76.2 114.4

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#62

4-Bromofluorobenzene

Concen: 49.46 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

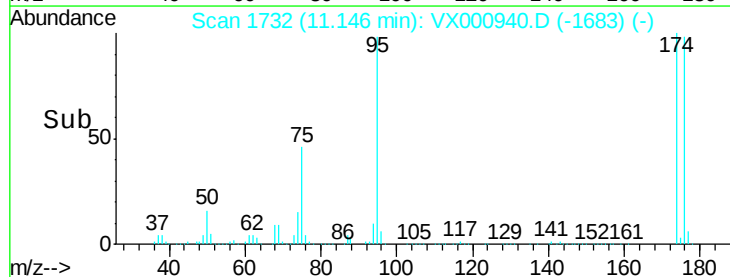
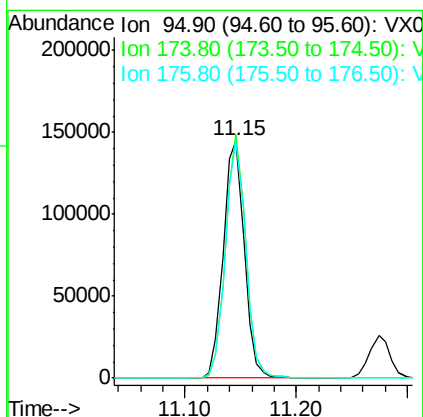
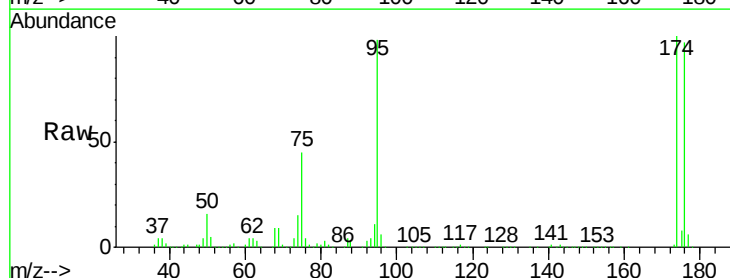
Tgt Ion: 95 Resp: 189173

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

176 97.0 0.0 194.4





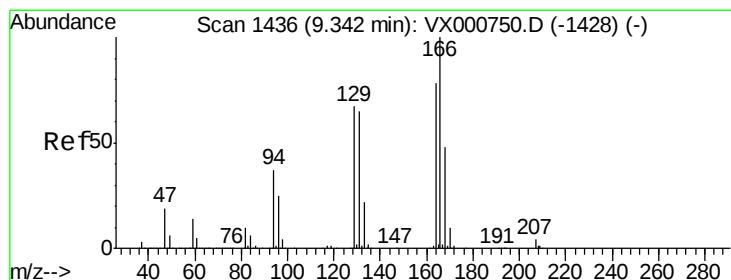
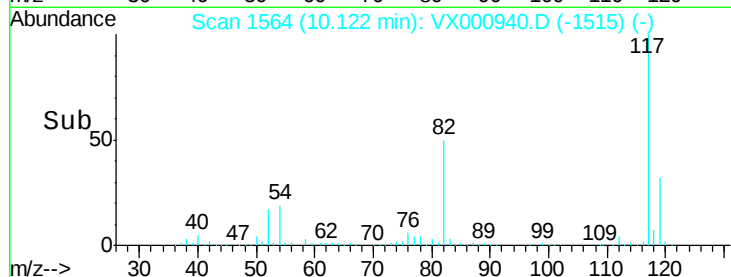
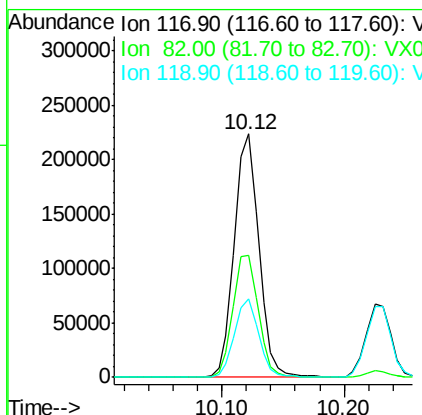
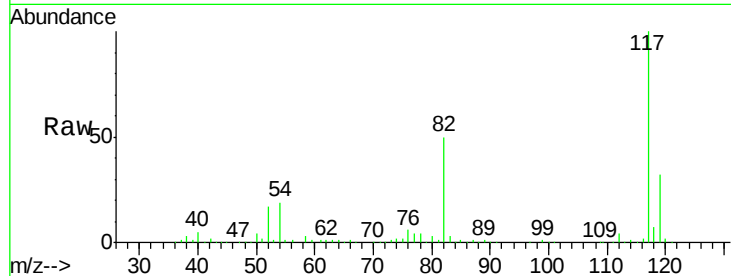
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	41.9	62.9
119	32.2	26.0	39.0

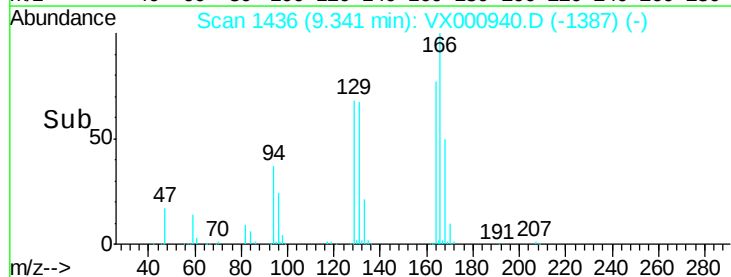
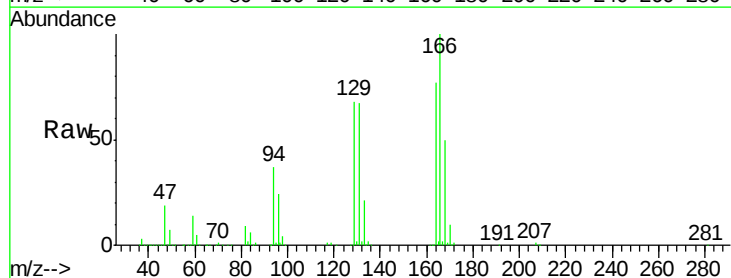
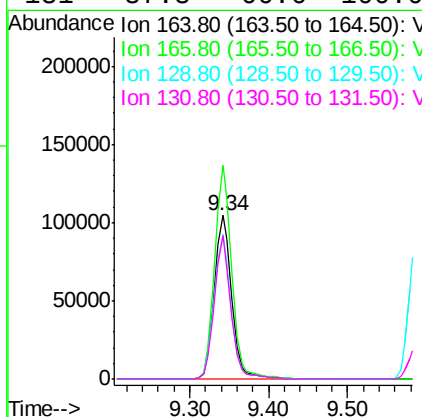
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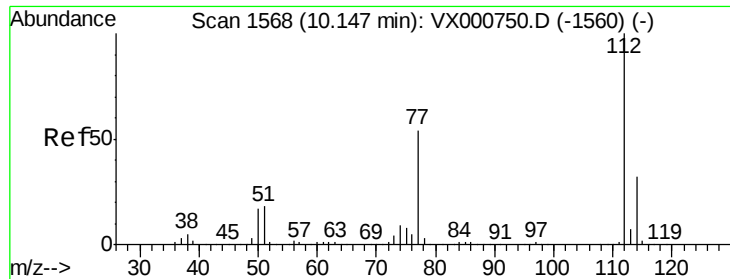
MMDadoda
4/18/2018 2:45:11 PM



#64
Tetrachloroethene
Concen: 53.07 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	102.8	154.2
129	88.3	68.5	102.7
131	87.8	66.6	100.0





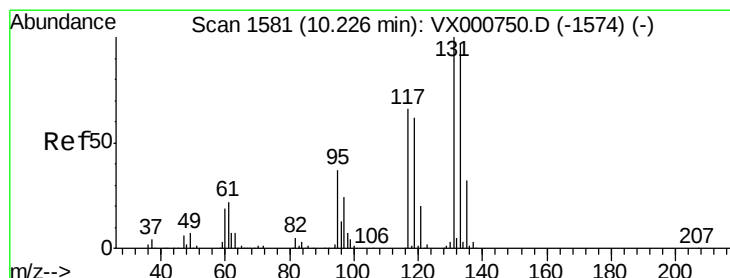
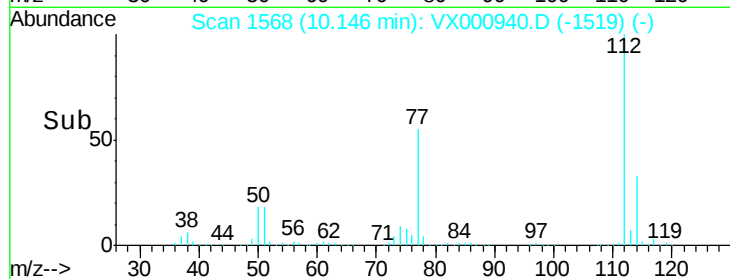
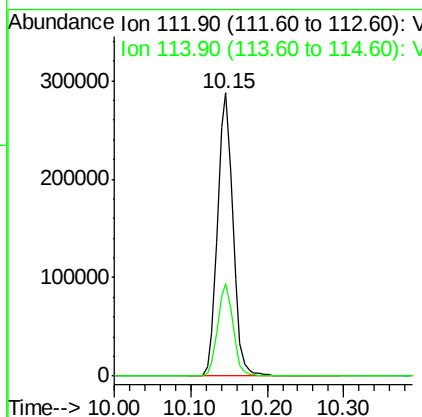
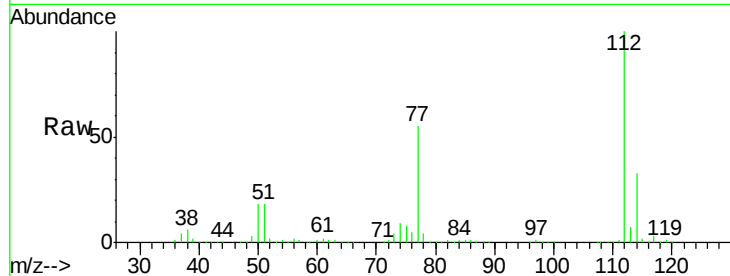
#65
Chlorobenzene
Concen: 51.45 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 402731
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

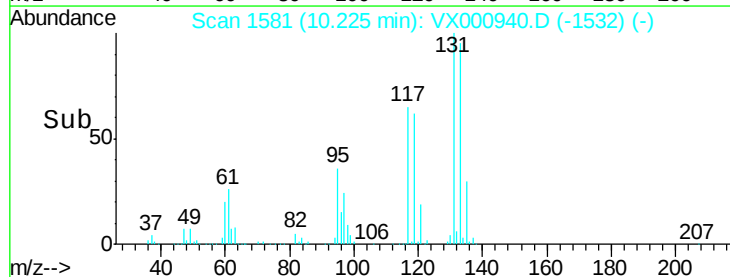
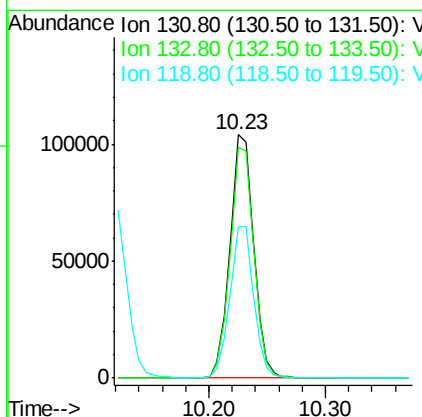
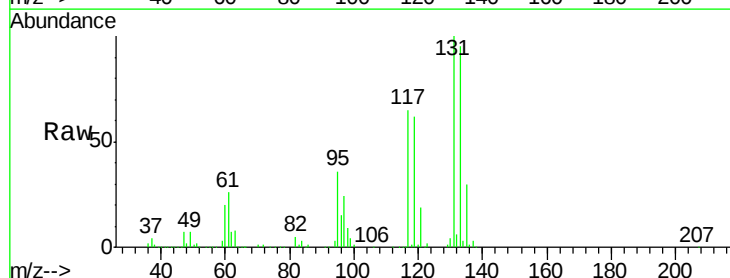
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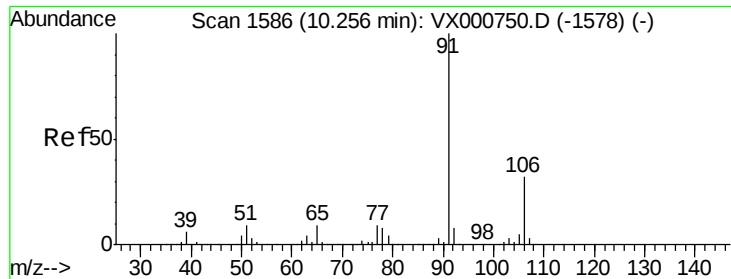
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.35 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion:131 Resp: 148330
Ion Ratio Lower Upper
131 100
133 95.2 48.3 144.9
119 62.6 31.4 94.0





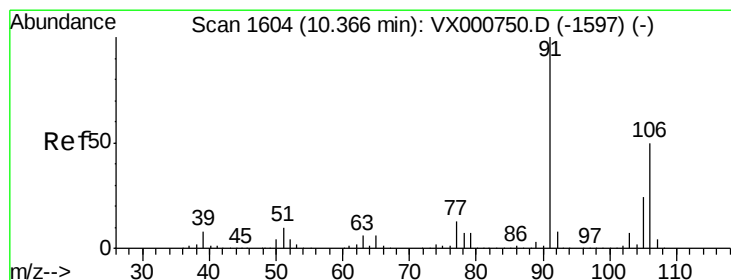
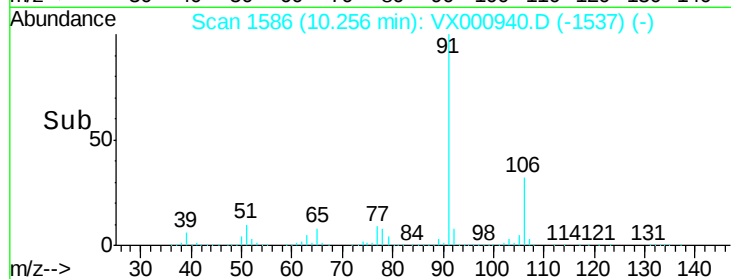
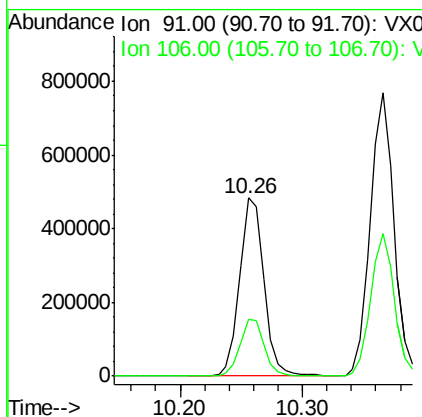
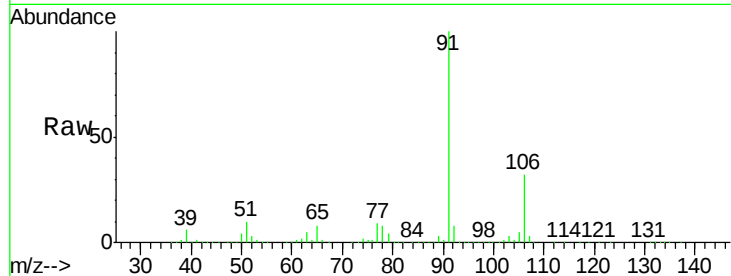
#67
Ethyl Benzene
Concen: 50.96 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 665037
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0

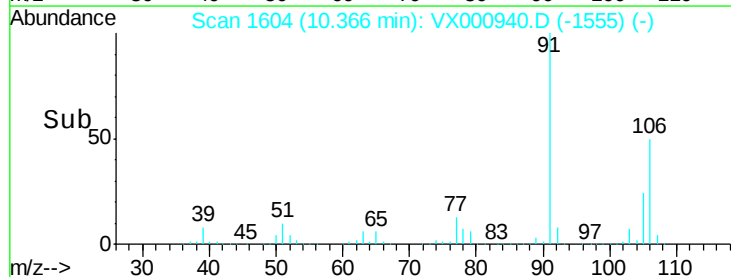
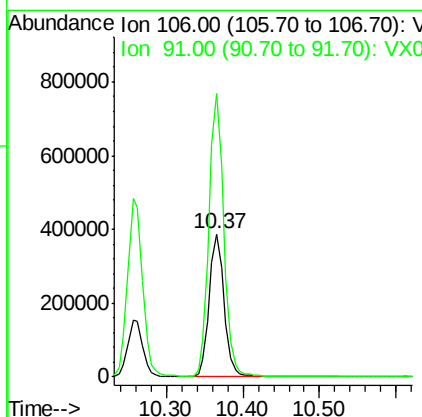
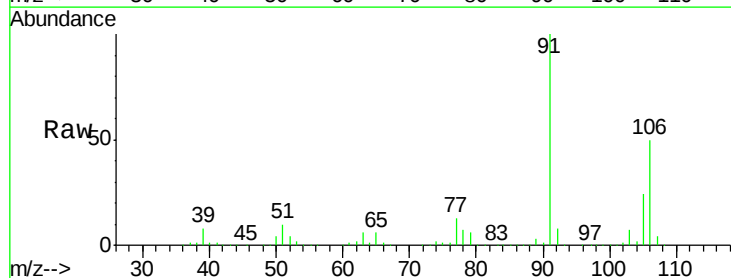
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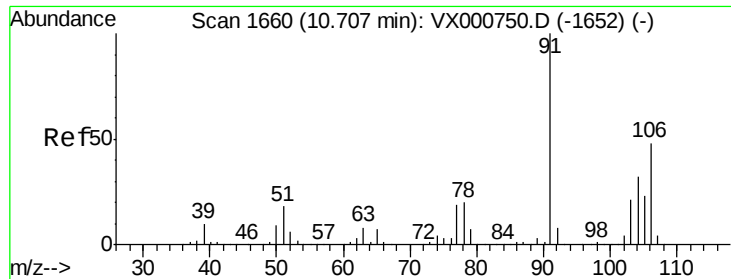
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#68
m/p-Xylenes
Concen: 102.44 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion: 106 Resp: 527662
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9





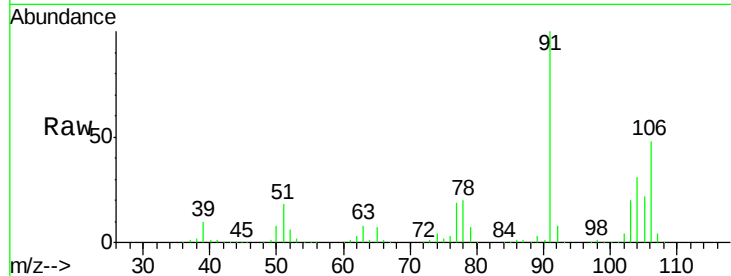
#69
o-Xylene
Concen: 51.57 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

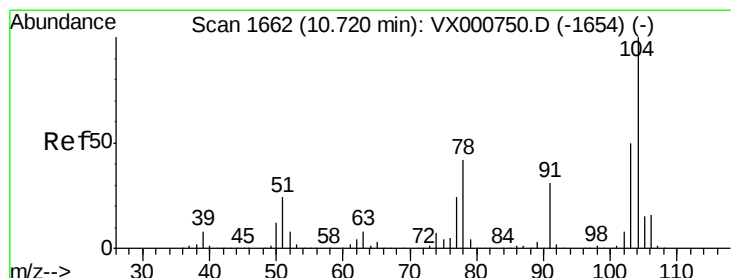
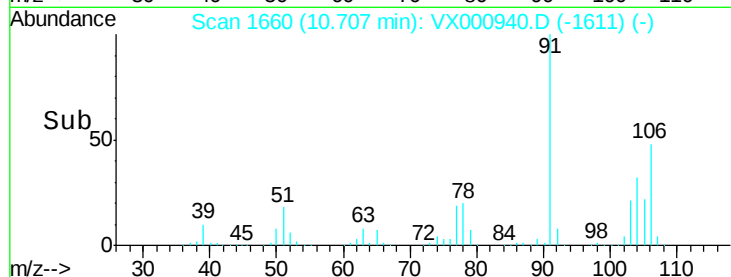
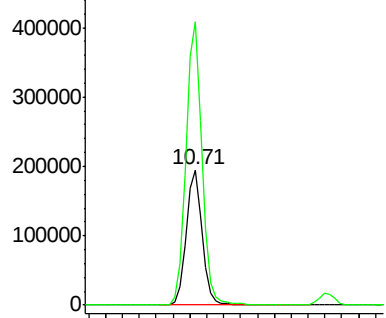
Tot Ion:106 Resp: 256042
Ion Ratio Lower Upper
106 100
91 209.6 105.0 315.0

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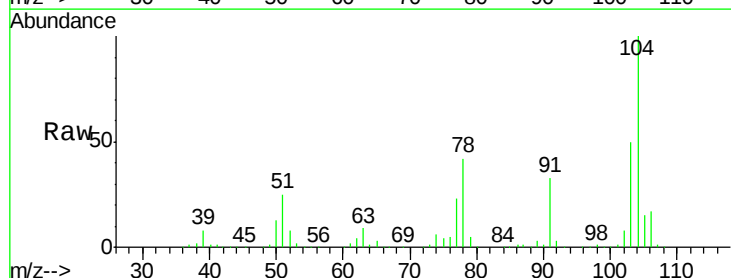


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

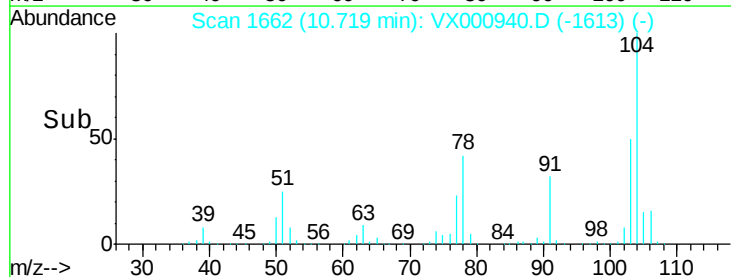
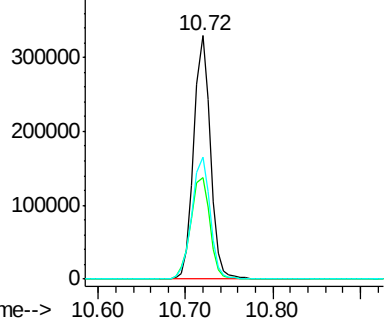


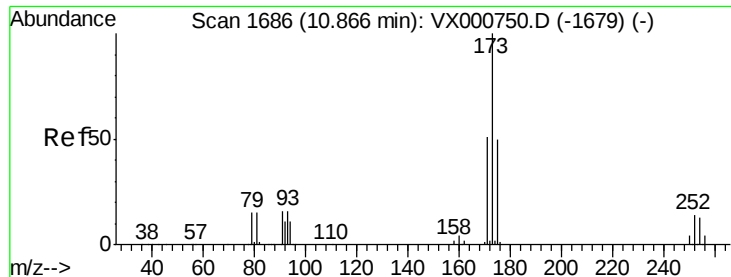
#70
Styrene
Concen: 51.73 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion:104 Resp: 432932
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.6
103 55.3 44.1 66.1



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





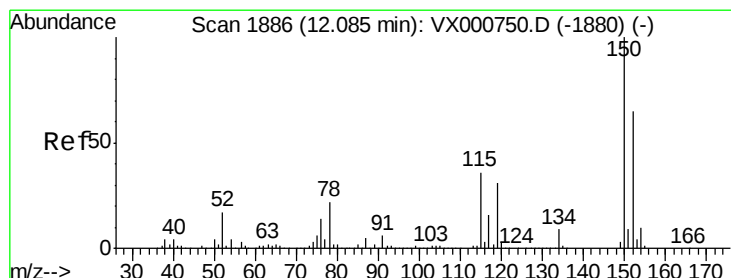
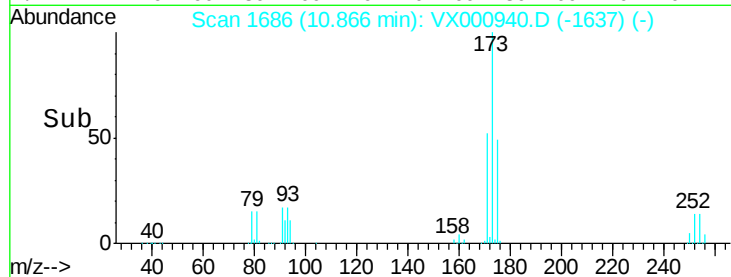
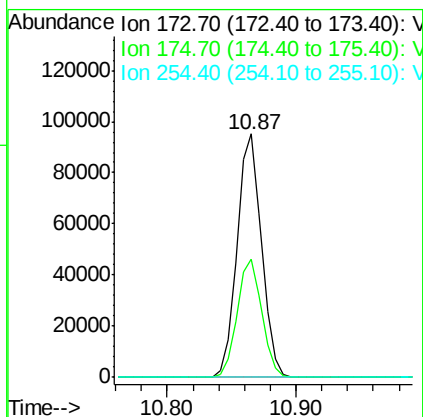
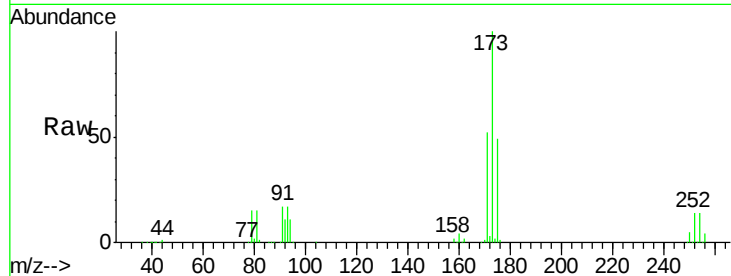
#71
Bromoform
Concen: 45.88 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.2	0.2	0.2

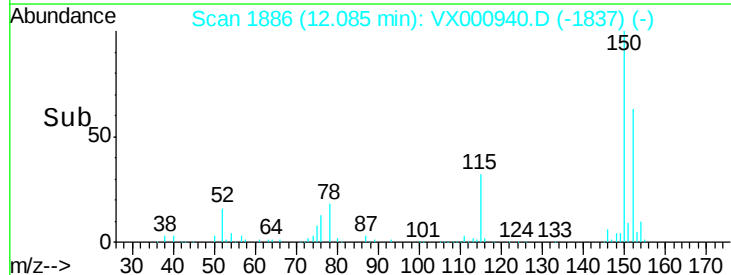
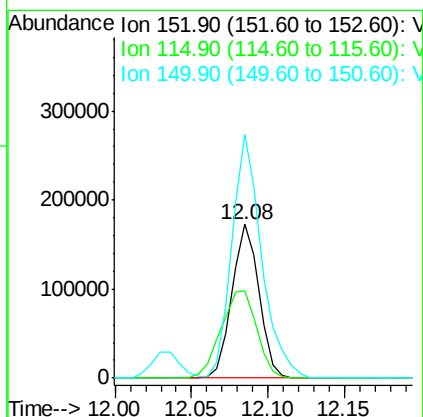
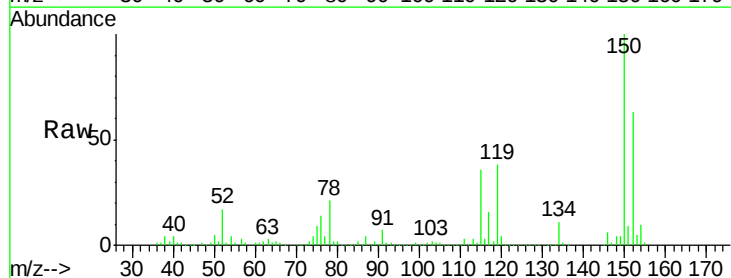
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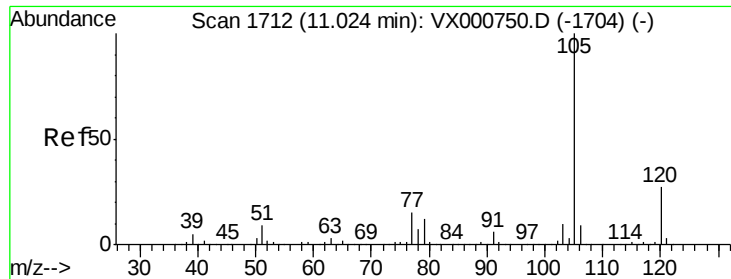
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.2	37.9	113.7
150	174.4	0.0	348.0





#73

Isopropylbenzene

Concen: 51.68 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 693915

Ion Ratio Lower Upper

105 100

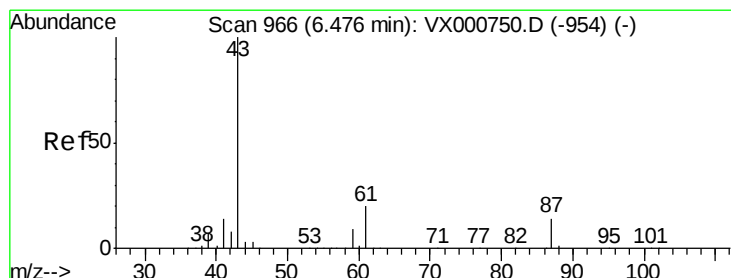
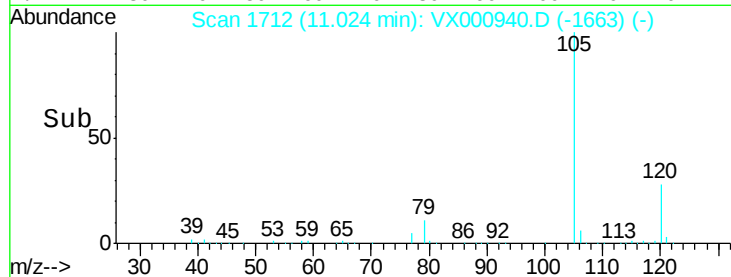
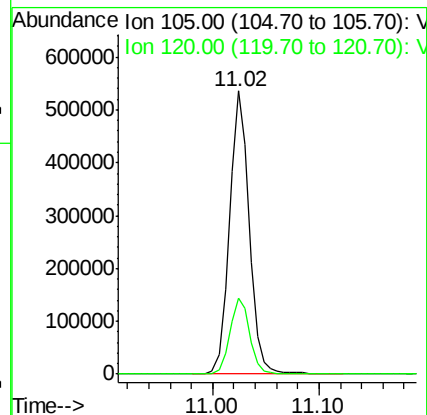
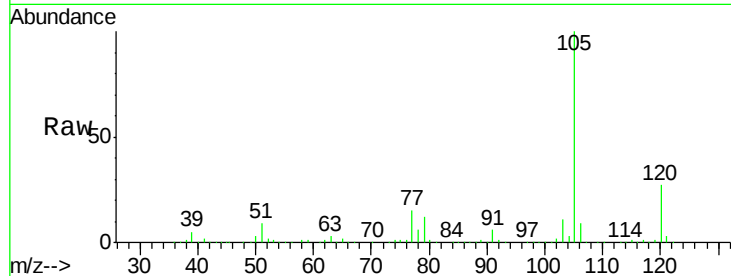
120 27.3 13.7 41.0

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#74

N-ethyl acetate

Concen: 49.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion: 43 Resp: 298108

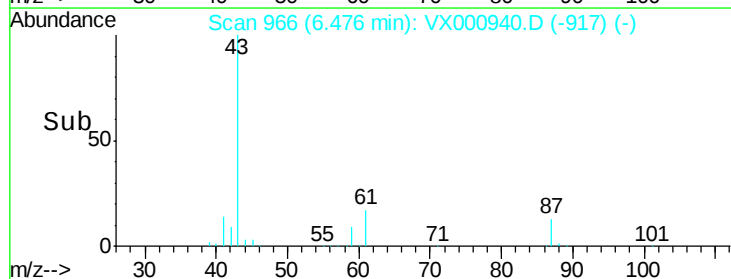
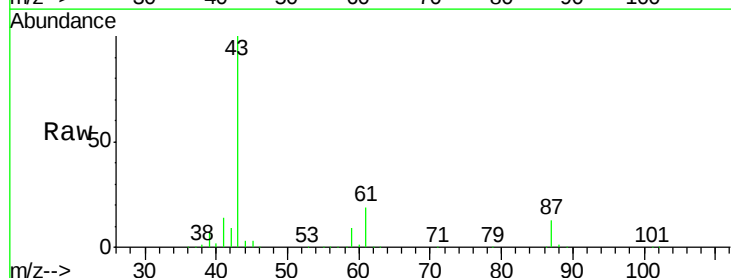
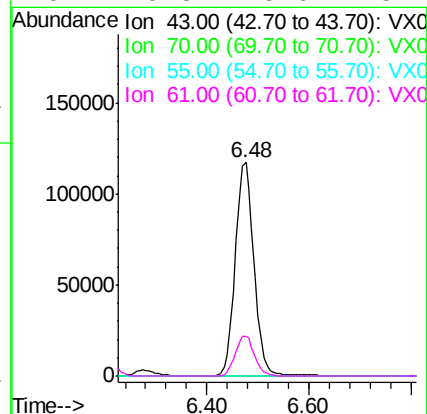
Ion Ratio Lower Upper

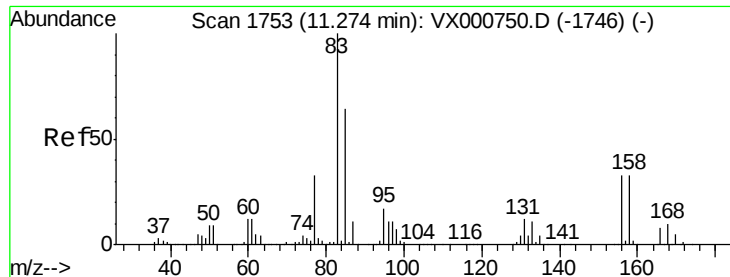
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.3 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.57 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 200968

Ion Ratio Lower Upper

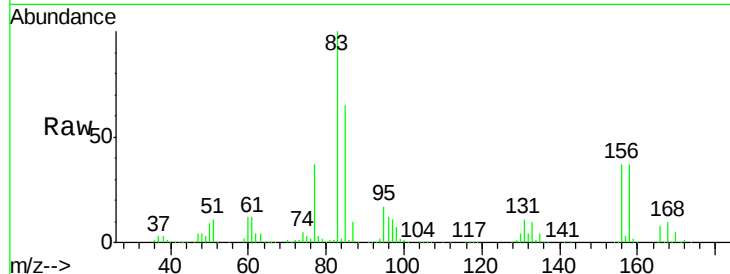
83 100

131 11.8 6.0 18.0

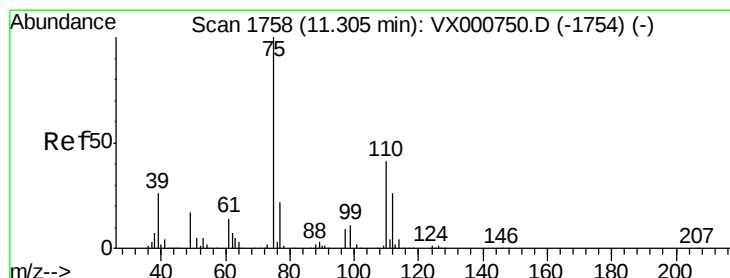
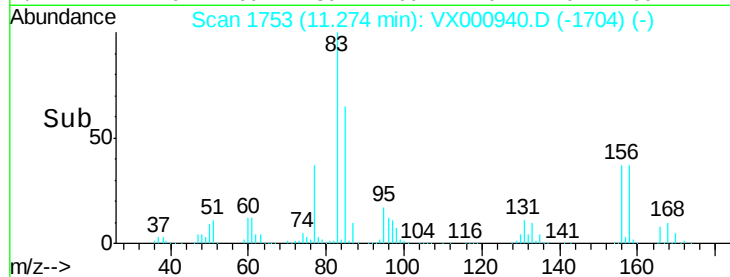
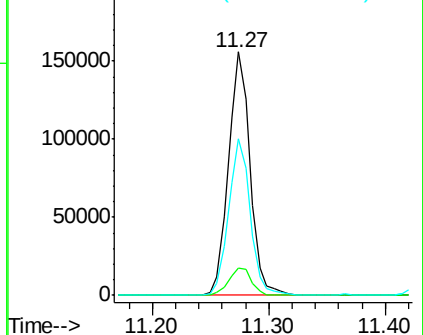
85 64.7 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.33 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000940.D

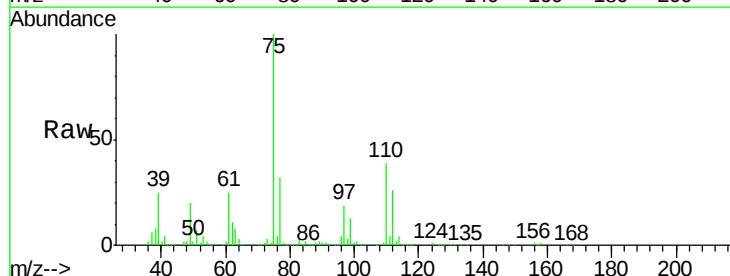
Acq: 17 Apr 2018 00:45

Tgt Ion: 75 Resp: 183710

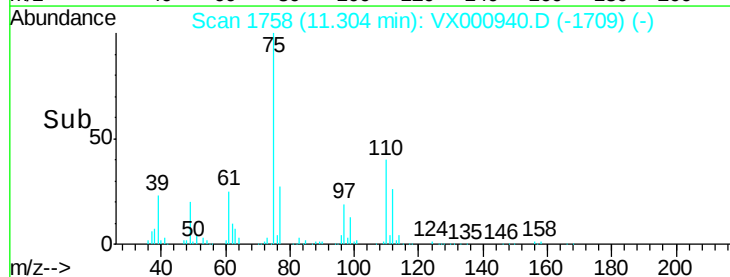
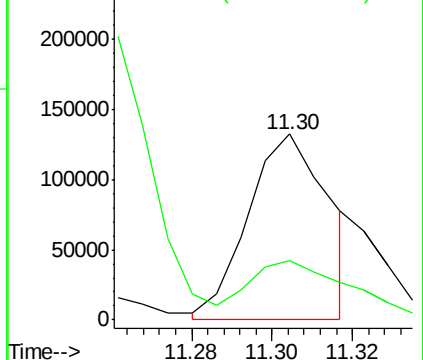
Ion Ratio Lower Upper

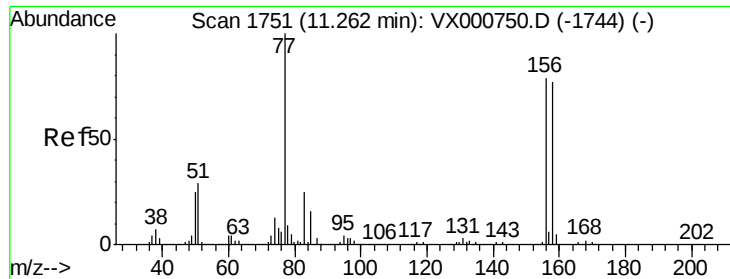
75 100

77 40.0 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.10 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 201078

Ion Ratio Lower Upper

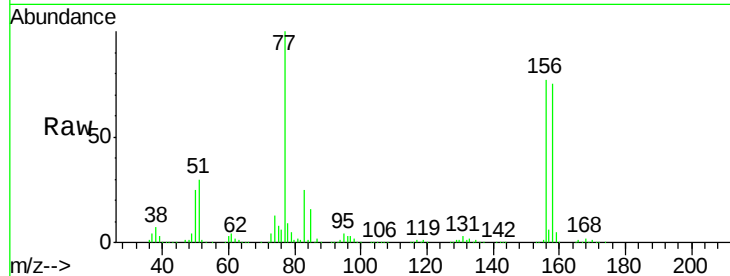
156 100

77 132.3 66.0 198.2

158 97.5 48.8 146.4

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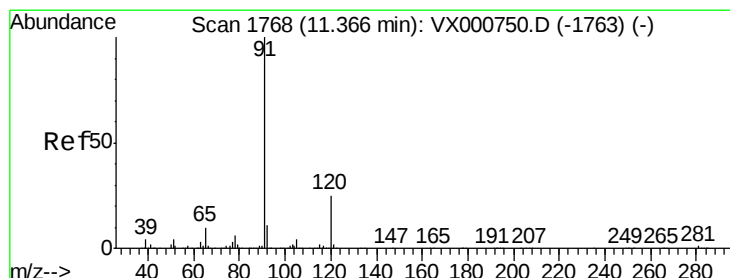
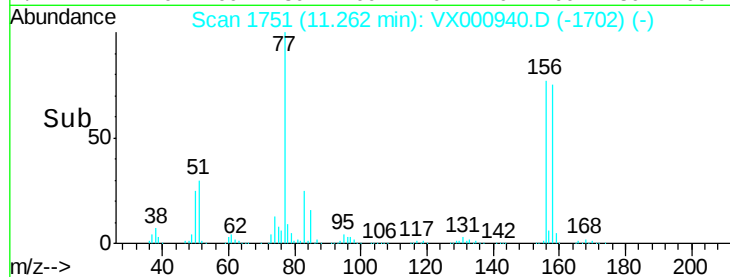
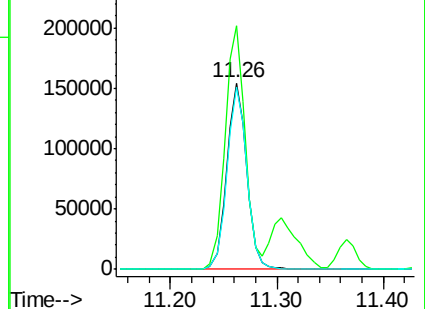
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.36 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000940.D

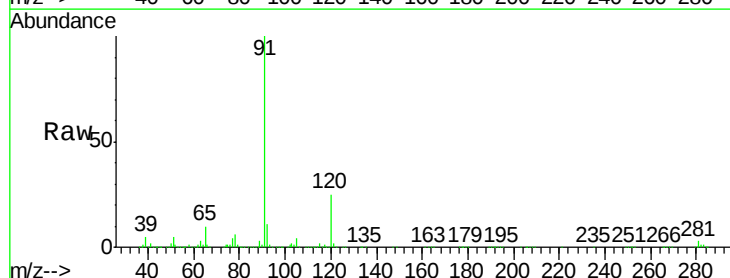
Acq: 17 Apr 2018 00:45

Tgt Ion: 91 Resp: 773429

Ion Ratio Lower Upper

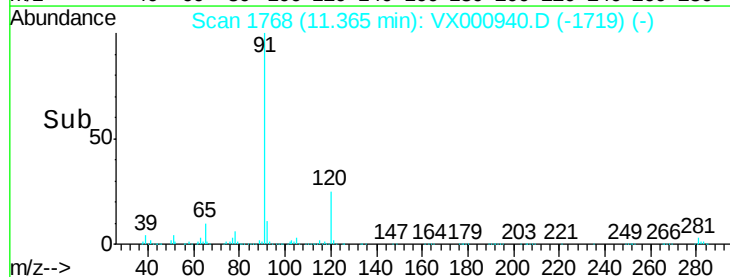
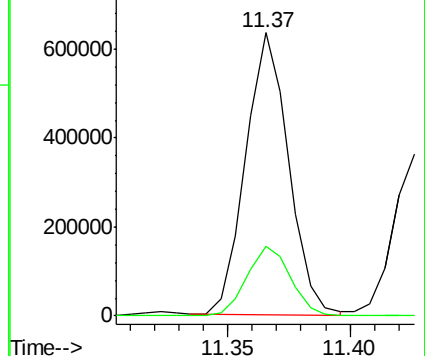
91 100

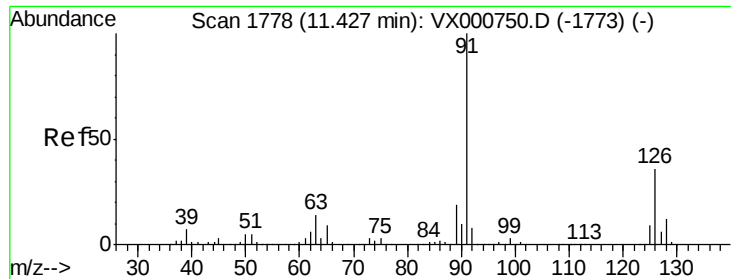
120 25.5 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 464557

Ion Ratio Lower Upper

91 100

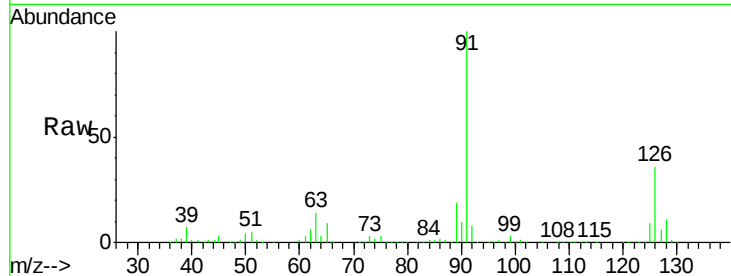
126 36.9 18.3 54.9

Manual Integrations

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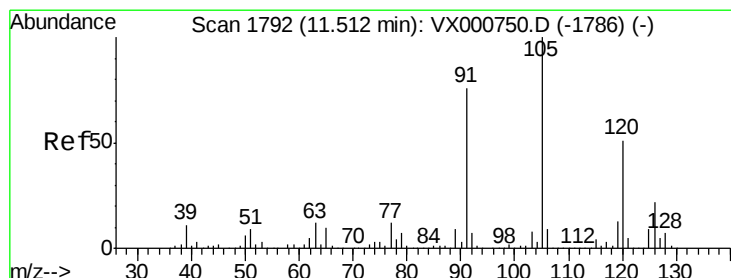
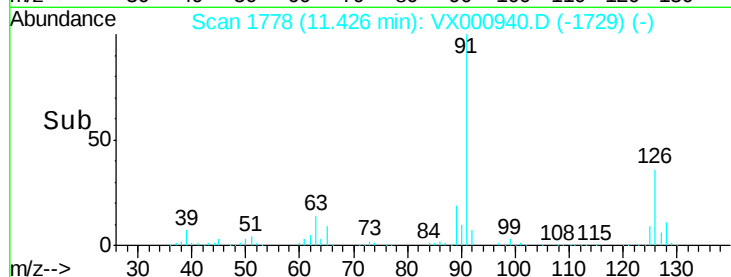
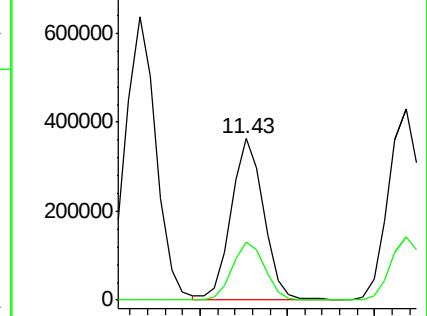
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Abundance Ion 91.00 (90.70 to 91.70): VX000750.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000750.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.51 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000940.D

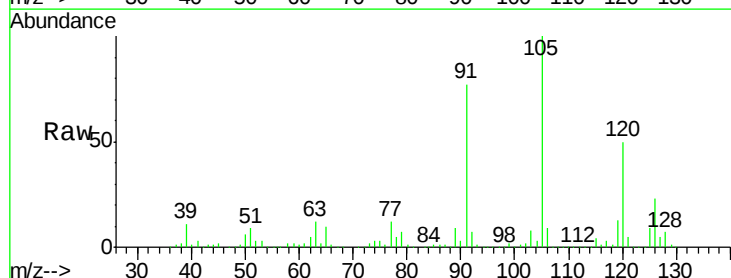
Acq: 17 Apr 2018 00:45

Tgt Ion: 105 Resp: 583283

Ion Ratio Lower Upper

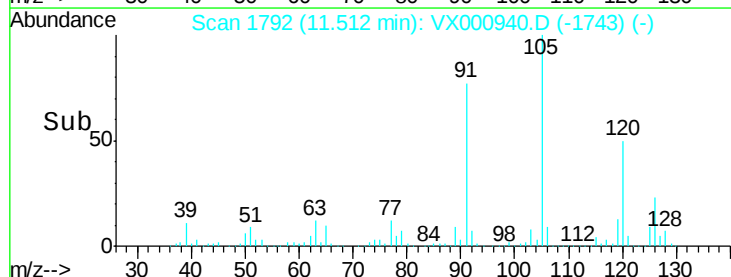
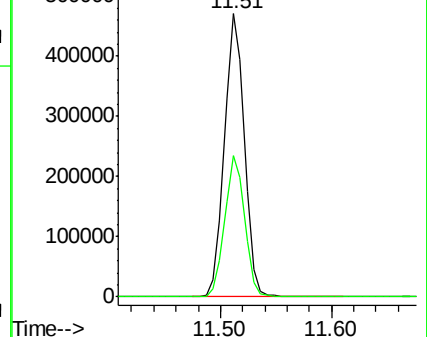
105 100

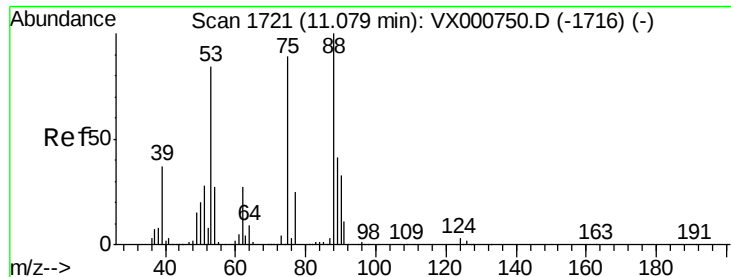
120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000750.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000750.D (-1786) (-)





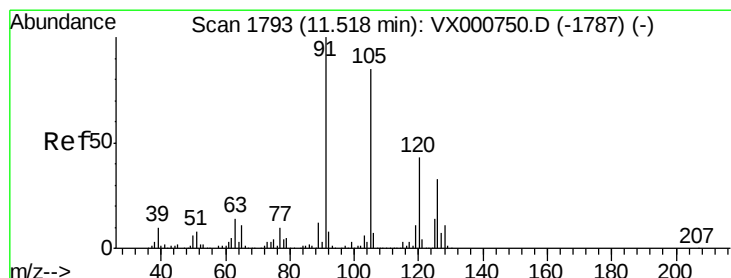
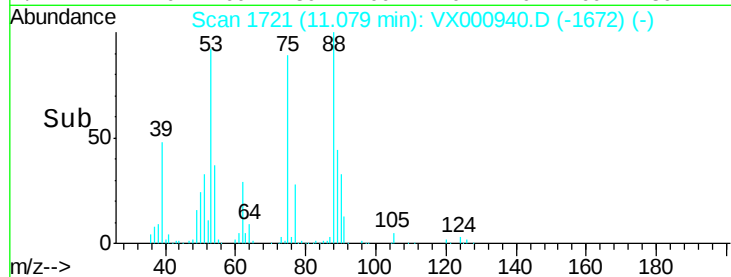
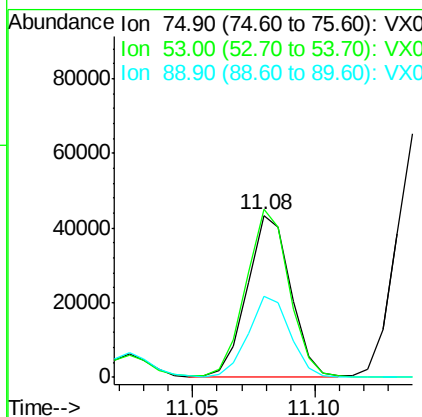
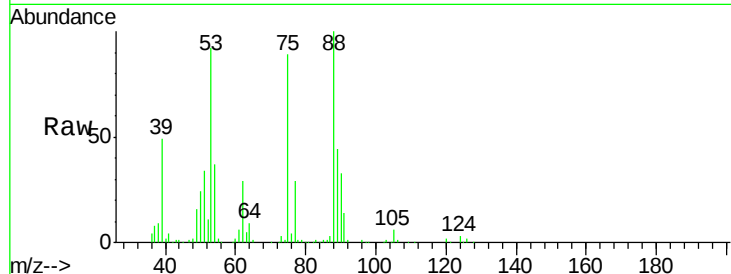
#81
trans-1,4-Dichloro-2-butene
Concen: 39.97 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.4	75.4	113.0
89	49.1	40.9	61.3

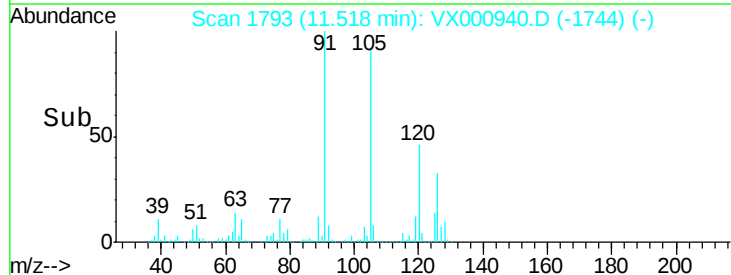
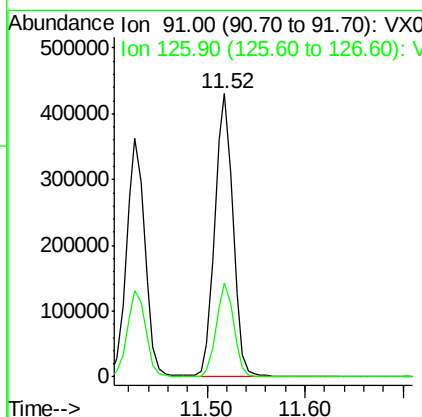
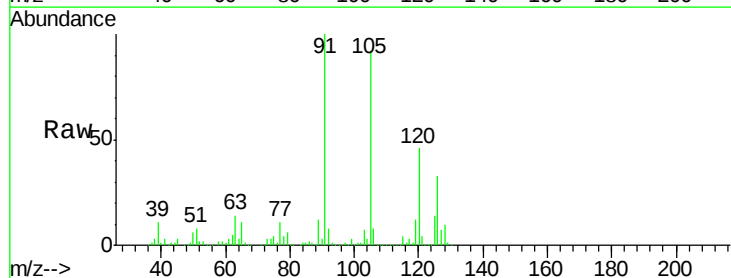
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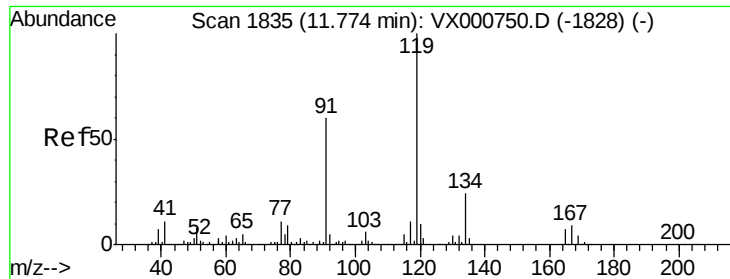
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#82
4-Chlorotoluene
Concen: 50.64 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





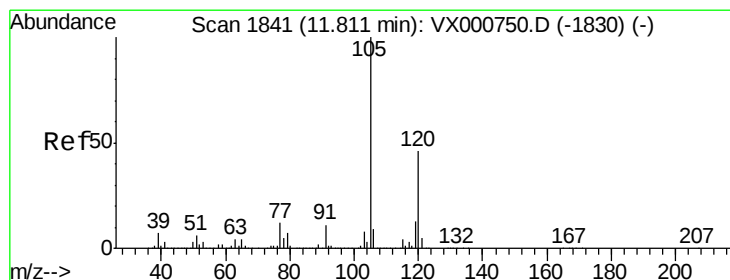
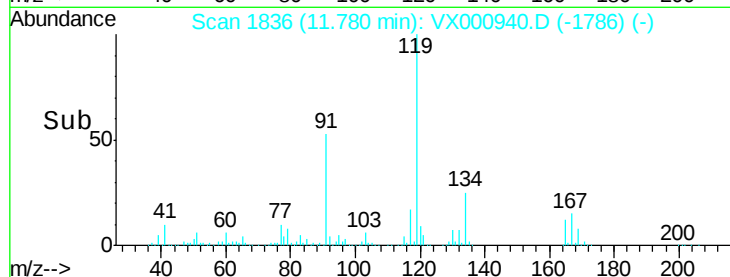
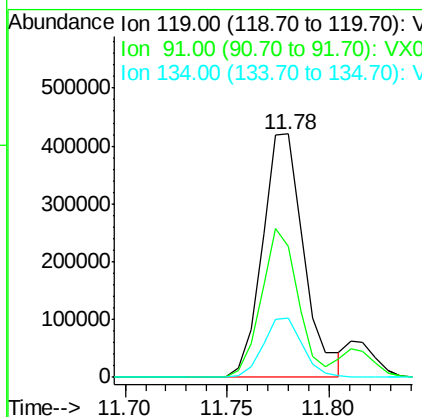
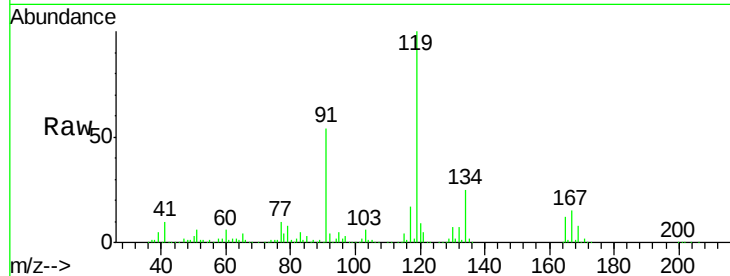
#83
 tert-Butylbenzene
 Concen: 50.51 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	596773		
91	54.1		26.8	80.3
134	23.3		11.5	34.4

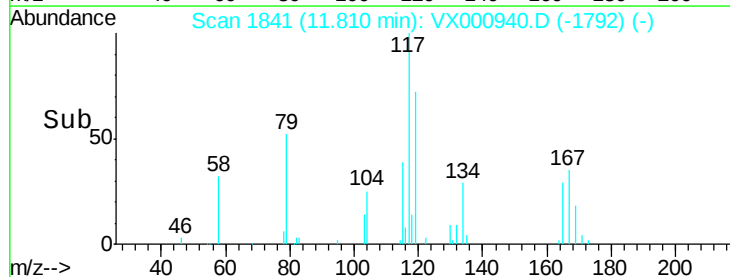
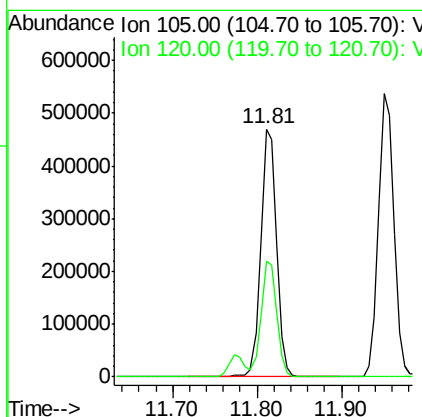
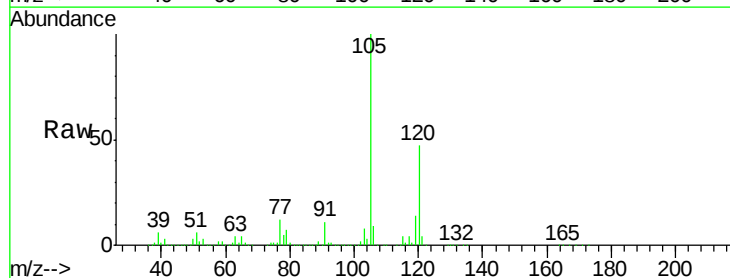
Manual Integrations
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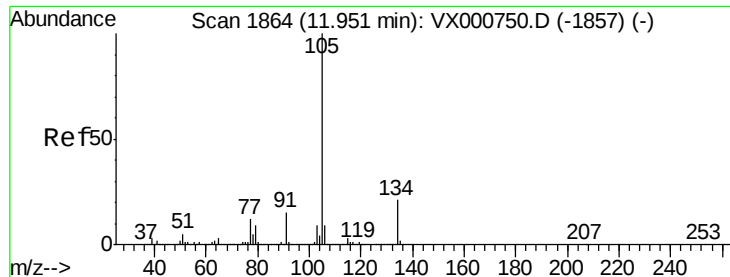
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.68 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	604177		
120	46.2		23.1	69.3





#85

sec-Butylbenzene

Concen: 49.64 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 691799

Ion Ratio Lower Upper

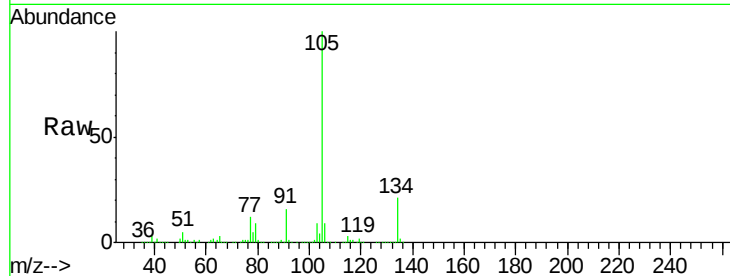
105 100

134 21.7 10.8 32.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

600000

500000

400000

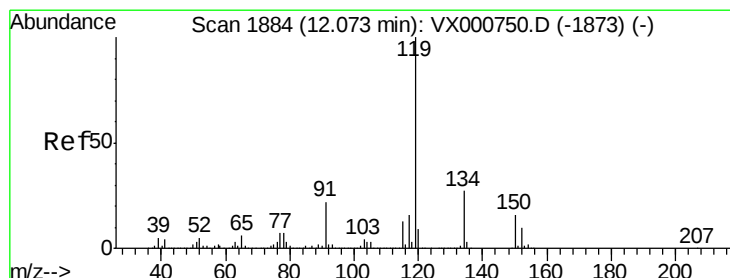
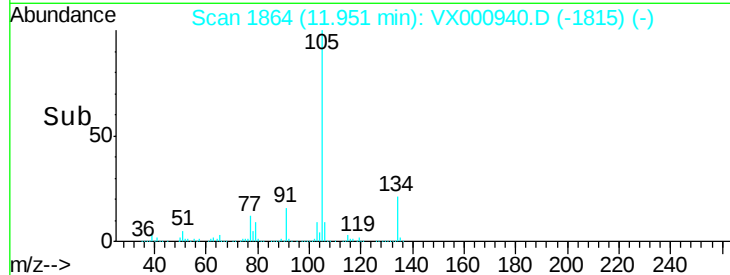
300000

200000

100000

0

Time--> 11.90 12.00



#86

p-Isopropyltoluene

Concen: 49.33 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

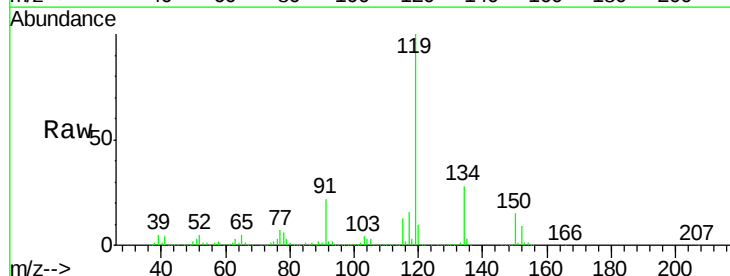
Tgt Ion:119 Resp: 641065

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.2 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

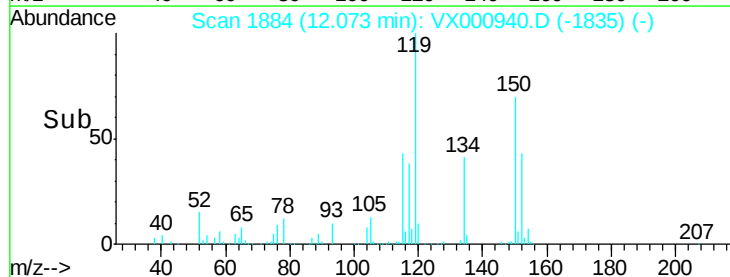
600000

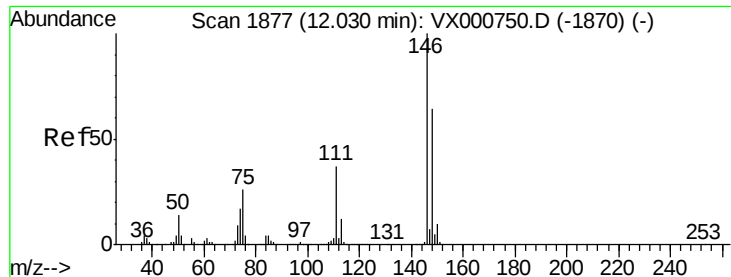
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 51.24 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 373176

Ion Ratio Lower Upper

146 100

111 36.1 18.3 54.8

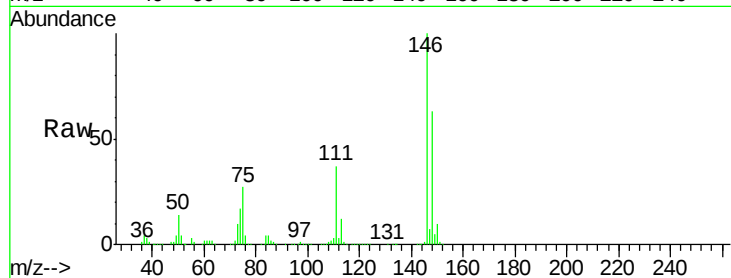
148 64.0 32.2 96.6

Manual Integrations

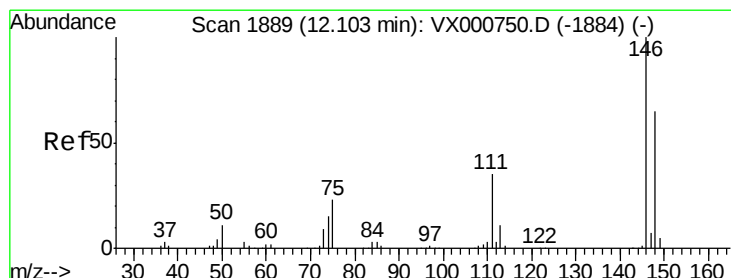
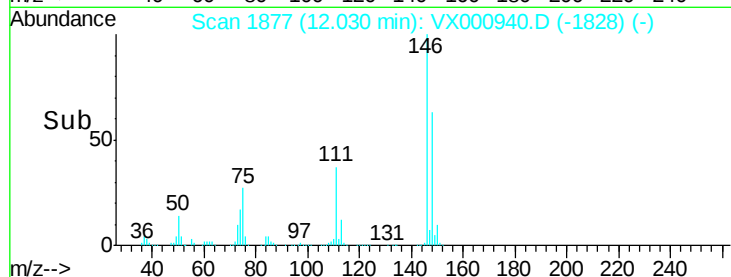
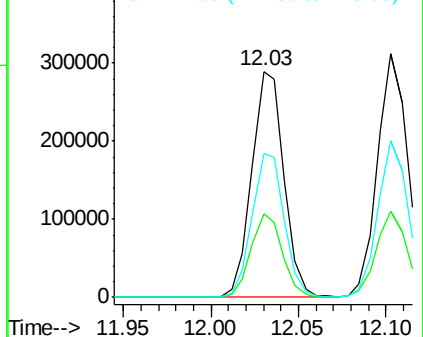
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.81 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

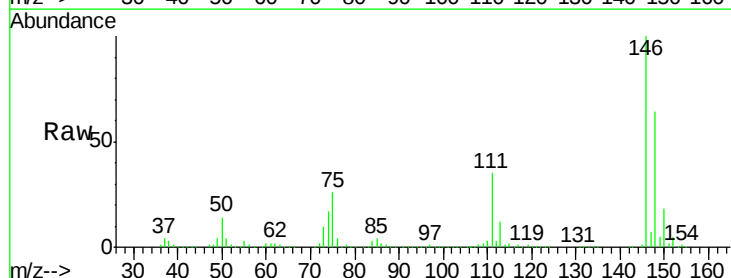
Tgt Ion:146 Resp: 379229

Ion Ratio Lower Upper

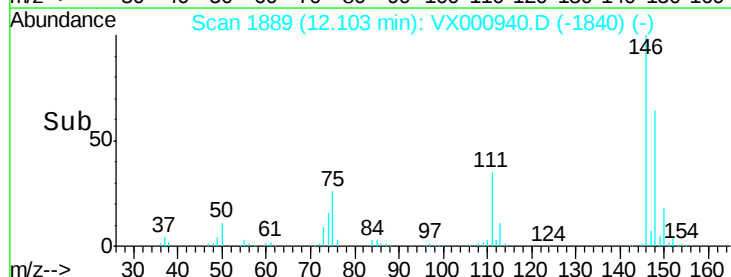
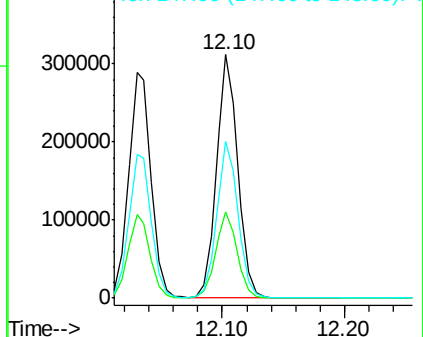
146 100

111 35.7 17.9 53.8

148 64.4 32.6 97.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





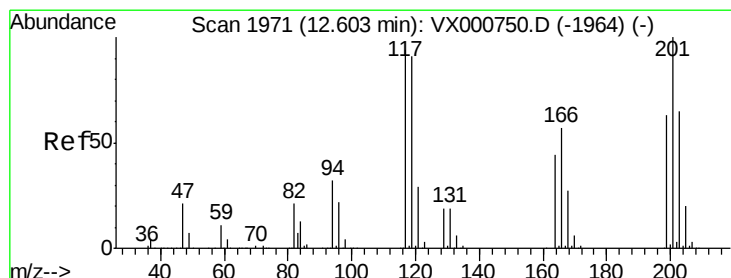
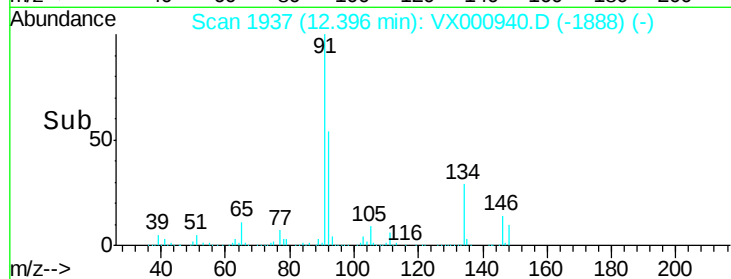
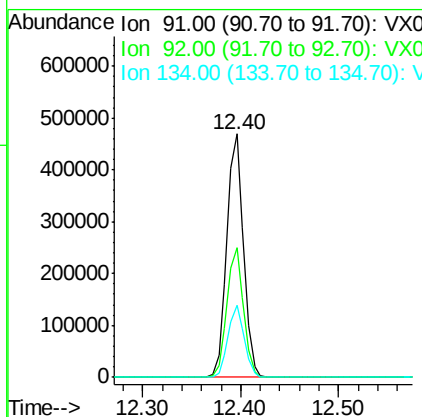
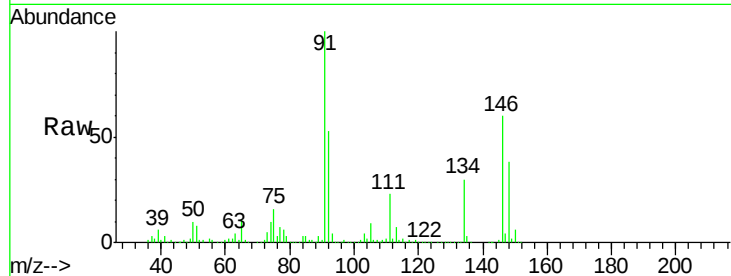
#89
n-Butylbenzene
Concen: 48.31 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	28.9	14.5	43.5

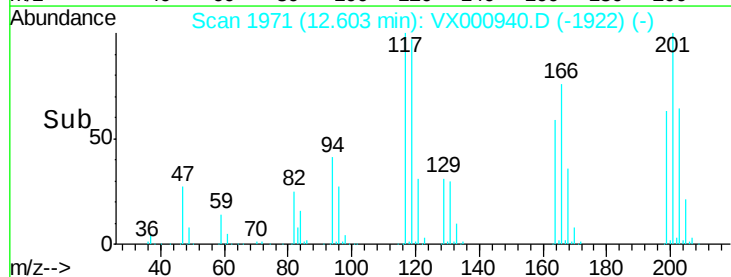
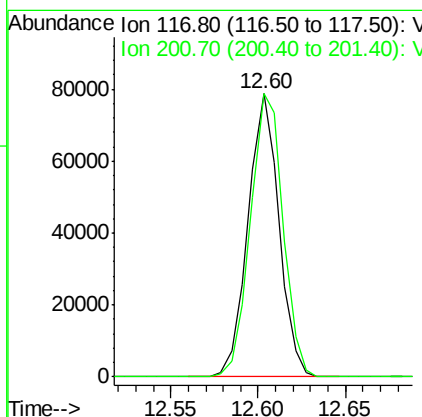
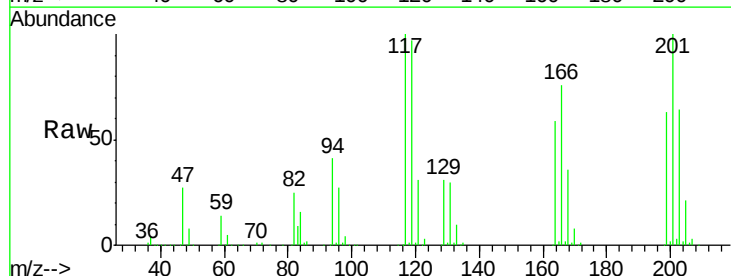
Manual Integrations
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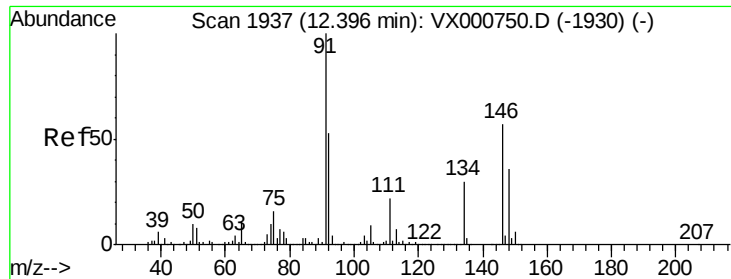
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#90
Hexachloroethane
Concen: 43.95 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000940.D
Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.4	52.9	158.7





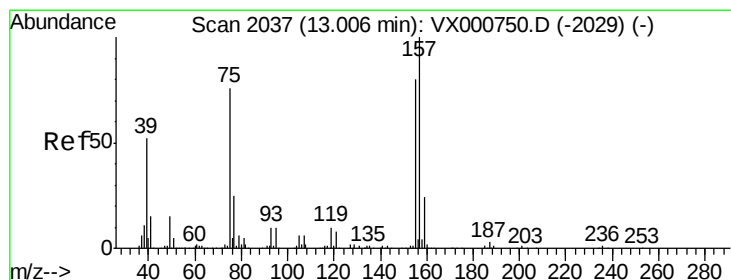
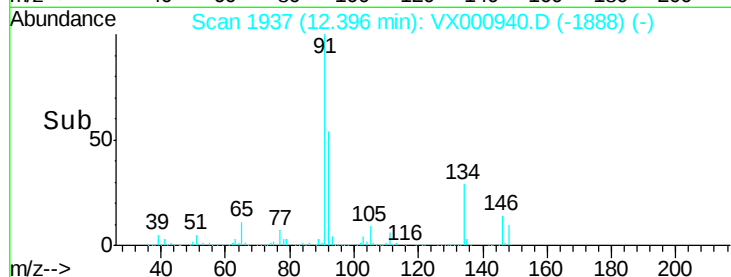
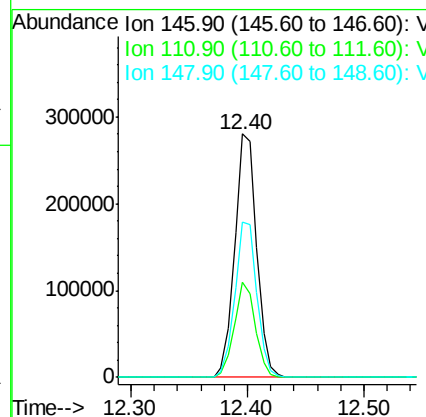
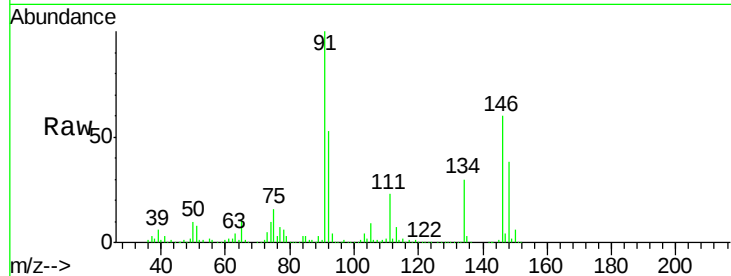
#91
 1,2-Dichlorobenzene
 Concen: 52.29 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	64.0	32.0	96.2

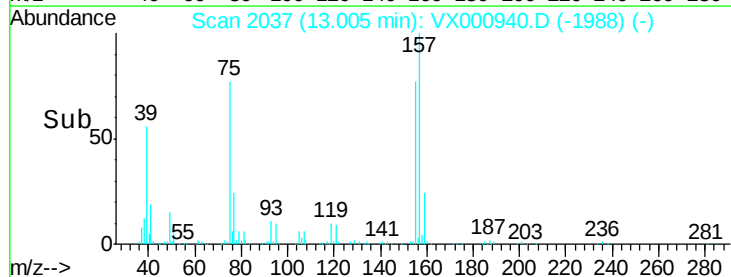
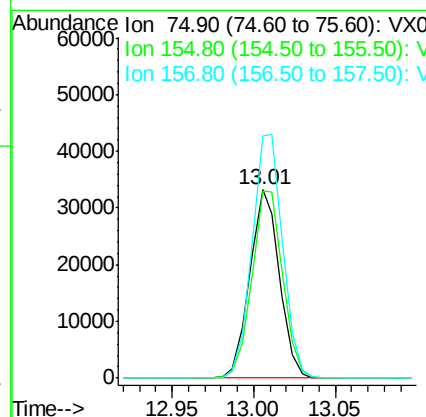
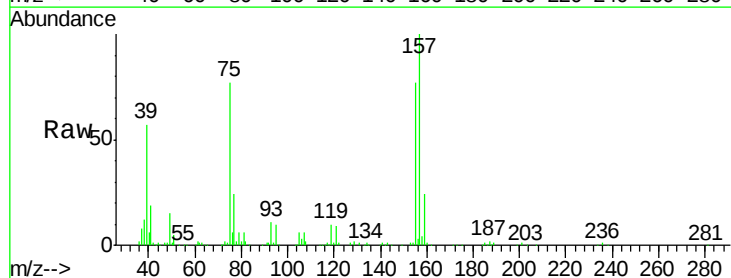
Manual Integrations
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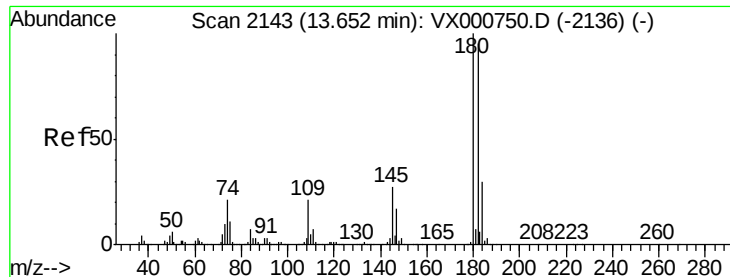
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.97 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	51.9	155.8
157	134.0	66.6	199.8





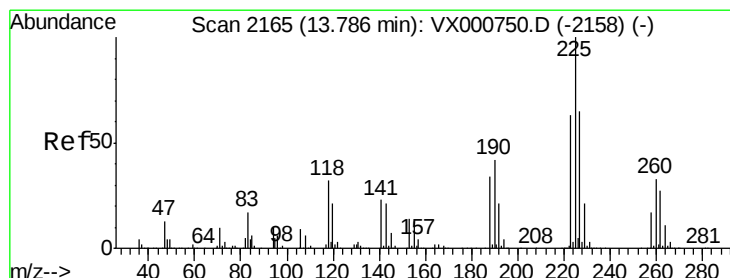
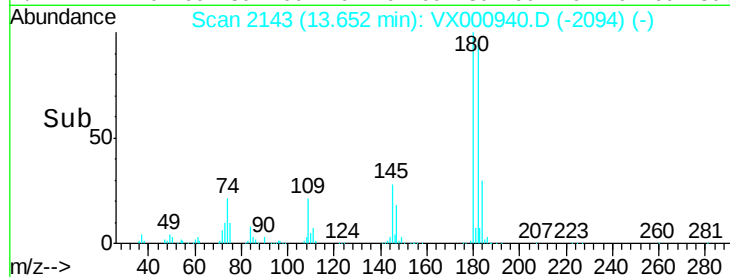
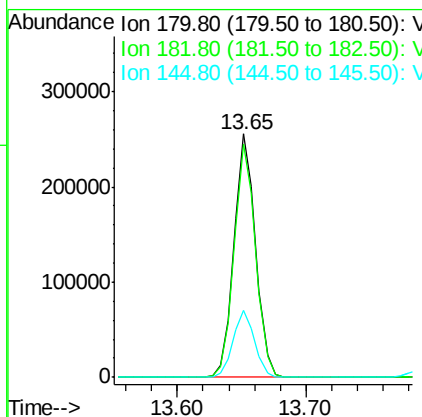
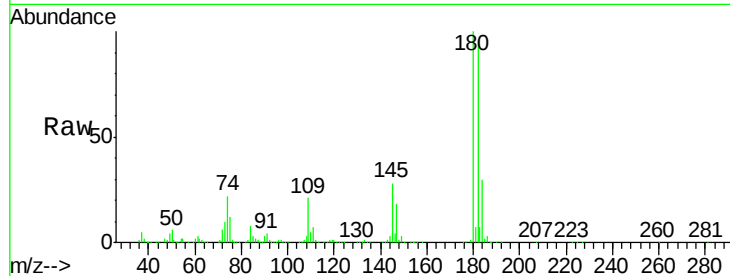
#93
 1,2,4-Trichlorobenzene
 Concen: 49.71 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298246		
182	95.9	47.5	142.5	
145	27.6	13.8	41.4	

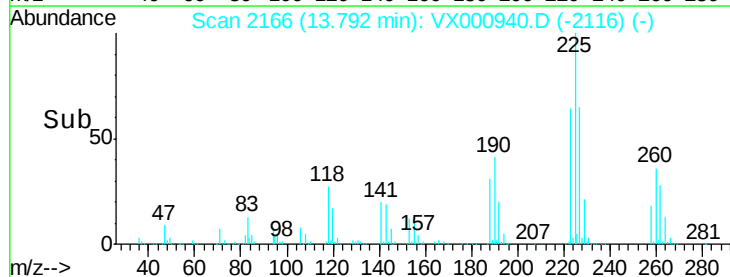
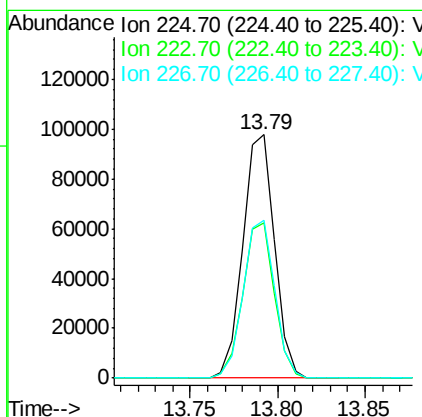
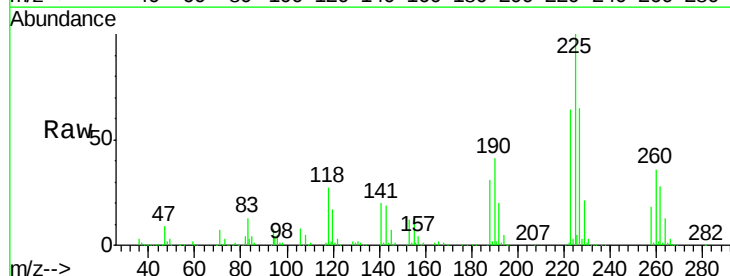
Manual Integrations
 APPROVED

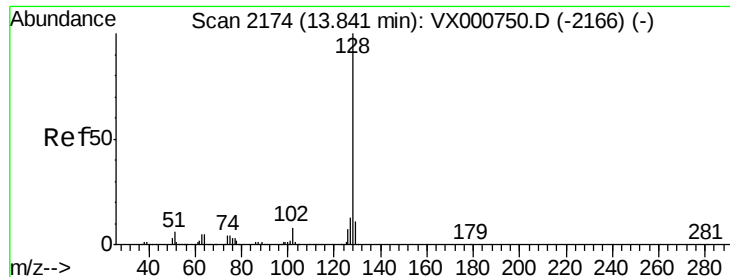
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 41.70 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VX000940.D
 Acq: 17 Apr 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123018		
223	63.3	31.2	93.6	
227	64.6	32.3	96.9	





#95

Naphthalene

Concen: 50.50 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Instrument :

MSVOA_X

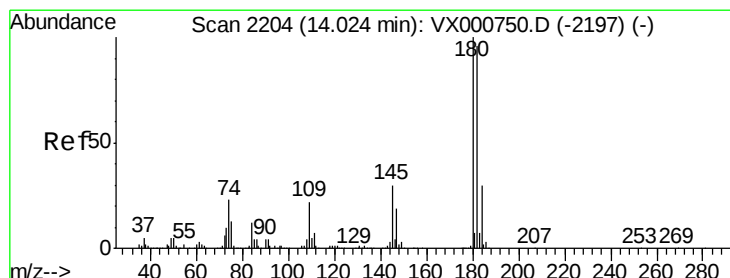
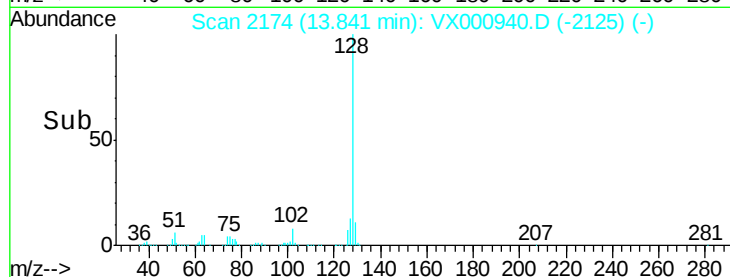
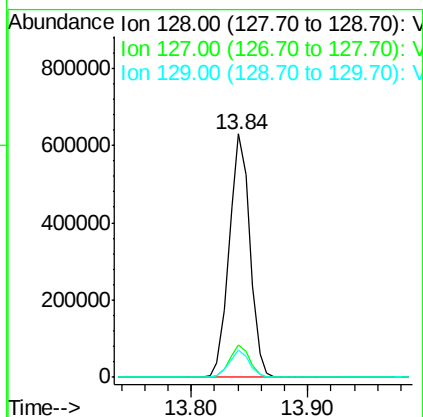
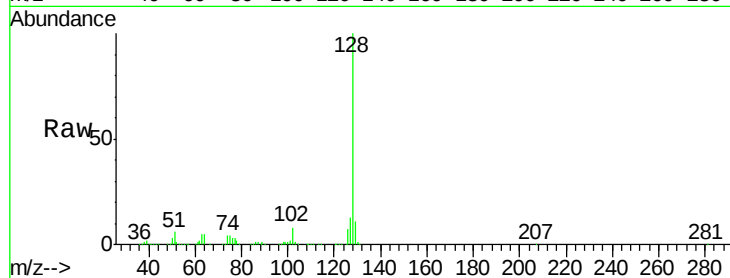
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	777786
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.94 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000940.D

Acq: 17 Apr 2018 00:45

Tgt Ion:	180	Resp:	291000
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.4	145.2
145	29.1	14.6	43.8

