

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042419\
 Data File : VX009134.D
 Acq On : 24 Apr 2019 10:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:34:08 PM

Quant Time: Apr 25 05:34:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	138222	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.49	113	102181	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	8.71	98	397325	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	143875	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129009	56.970	ug/l	97
3) Chloromethane	1.32	50	140104	50.395	ug/l	100
4) Vinyl Chloride	1.41	62	145399	53.735	ug/l	98
5) Bromomethane	1.64	94	91131	53.491	ug/l	97
6) Chloroethane	1.71	64	85363	53.649	ug/l	97
7) Trichlorofluoromethane	1.92	101	177368	56.143	ug/l	98
8) Diethyl Ether	2.19	74	77618	53.722	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	111921	55.408	ug/l	99
10) Methyl Iodide	2.51	142	101552	46.337	ug/l	100
11) Tert butyl alcohol	3.06	59	153022	248.804	ug/l	100
12) 1,1-Dichloroethene	2.37	96	110242	52.288	ug/l	97
13) Acrolein	2.29	56	115102	216.598	ug/l	100
14) Allyl chloride	2.73	41	264330	57.465	ug/l	100
15) Acrylonitrile	3.14	53	412243	264.048	ug/l	100
16) Acetone	2.45	43	400702	278.877	ug/l	100
17) Carbon Disulfide	2.57	76	327614	52.807	ug/l	100
18) Methyl Acetate	2.78	43	192010	53.544	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	417353	55.555	ug/l	100
20) Methylene Chloride	2.85	84	126203	51.361	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	120451	53.562	ug/l	94
22) Diisopropyl ether	3.85	45	504549	56.448	ug/l	93
23) Vinyl Acetate	3.81	43	2263802	288.123	ug/l	99
24) 1,1-Dichloroethane	3.70	63	248539	55.393	ug/l	100
25) 2-Butanone	4.67	43	629120	273.924	ug/l	98
26) 2,2-Dichloropropane	4.58	77	190989	56.786	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	139532	54.649	ug/l	99
28) Bromochloromethane	5.01	49	104902	56.540	ug/l	99
29) Tetrahydrofuran	5.13	42	408176	265.529	ug/l	99
30) Chloroform	5.21	83	224195	55.838	ug/l	98
31) Cyclohexane	5.57	56	249407	56.516	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	187671	56.396	ug/l	99
36) 1,1-Dichloropropene	5.80	75	178809	55.221	ug/l	99
37) Ethyl Acetate	4.83	43	235301	56.472	ug/l	99
38) Carbon Tetrachloride	5.78	117	158866	57.872	ug/l	97

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231231	58.651	ug/l	100
40) Benzene	6.14	78	531773	55.668	ug/l	99
41) Methacrylonitrile	5.04	41	132426	55.377	ug/l	99
42) 1,2-Dichloroethane	6.19	62	189999	56.148	ug/l	99
43) Isopropyl Acetate	6.44	43	377353	56.199	ug/l	100
44) Trichloroethene	7.21	130	128360	54.841	ug/l	99
45) 1,2-Dichloropropane	7.51	63	151219	57.061	ug/l	100
46) Dibromomethane	7.66	93	84965	55.090	ug/l	100
47) Bromodichloromethane	7.90	83	173864	57.475	ug/l	98
48) Methyl methacrylate	7.77	41	187426	56.492	ug/l	99
49) 1,4-Dioxane	7.74	88	61912	997.004	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1161065	271.422	ug/l	99
52) Toluene	8.78	92	315674	55.139	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	204230	58.663	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	226686	58.152	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	126800	55.884	ug/l	99
56) Ethyl methacrylate	9.18	69	228384	56.135	ug/l	99
57) 1,3-Dichloropropane	9.37	76	226496	56.064	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	642712	293.355	ug/l	99
59) 2-Hexanone	9.49	43	903746	274.026	ug/l	100
60) Dibromochloromethane	9.58	129	127828	58.782	ug/l	99
61) 1,2-Dibromoethane	9.67	107	130728	55.824	ug/l	99
64) Tetrachloroethene	9.34	164	114971	55.334	ug/l	97
65) Chlorobenzene	10.13	112	318468	55.166	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	117656	57.853	ug/l	99
67) Ethyl Benzene	10.25	91	605803	57.405	ug/l	99
68) m/p-Xylenes	10.36	106	439543	114.605	ug/l	100
69) o-Xylene	10.69	106	210177	56.321	ug/l	99
70) Styrene	10.71	104	365567	56.529	ug/l	99
71) Bromoform	10.85	173	93629	57.787	ug/l #	99
73) Isopropylbenzene	11.02	105	574031	57.227	ug/l	100
74) N-amyl acetate	10.90	43	321897	55.891	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	195515	53.346	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	172562m	53.403	ug/l	
77) Bromobenzene	11.26	156	137670	54.397	ug/l	99
78) n-propylbenzene	11.36	91	668904	58.100	ug/l	99
79) 2-Chlorotoluene	11.42	91	387764	55.892	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	483279	57.415	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	70592	56.085	ug/l	99
82) 4-Chlorotoluene	11.51	91	452340	56.140	ug/l	100
83) tert-Butylbenzene	11.77	119	457177	56.572	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	486775	56.812	ug/l	99
85) sec-Butylbenzene	11.94	105	560388	58.141	ug/l	99
86) p-Isopropyltoluene	12.06	119	516247	58.258	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	247441	55.862	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	245568	54.690	ug/l	99
89) n-Butylbenzene	12.38	91	489403	59.303	ug/l	100
90) Hexachloroethane	12.60	117	86459	59.149	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	241380	55.185	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43620	52.273	ug/l	99

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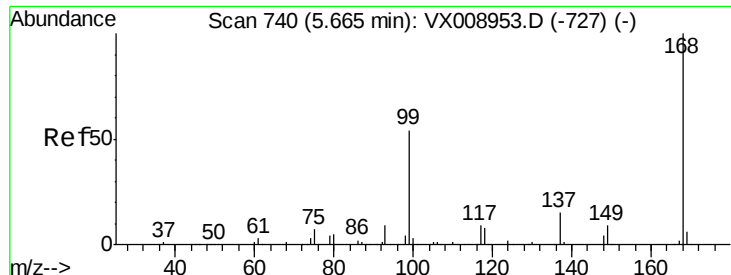
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180964	57.314	ug/l	99
94) Hexachlorobutadiene	13.78	225	92057	58.457	ug/l	100
95) Naphthalene	13.83	128	564367	55.790	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	177637	57.020	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 196606

Ion Ratio Lower Upper

168 100

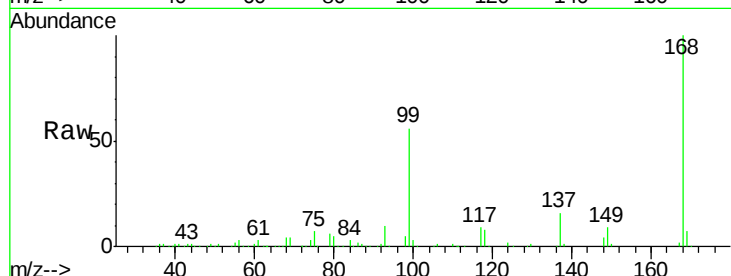
99 56.1 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

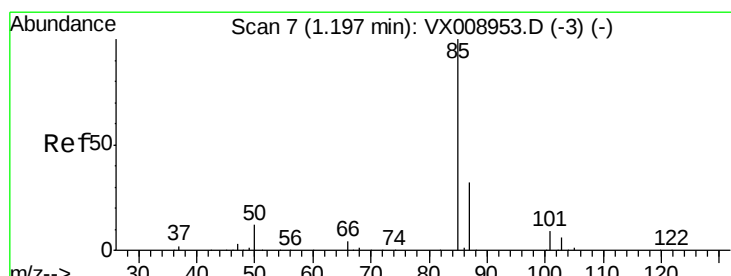
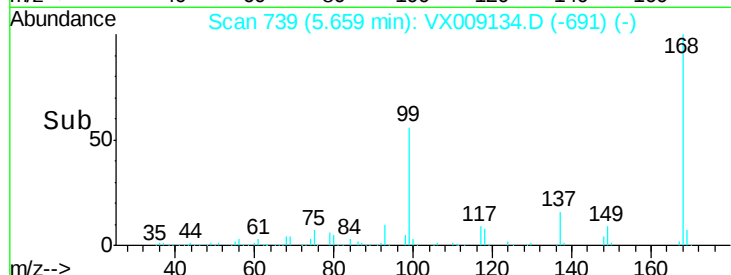
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.970 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009134.D

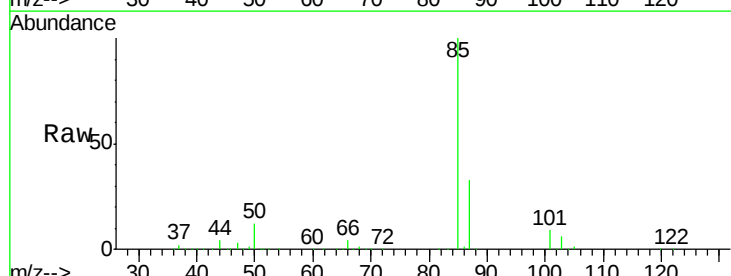
Acq: 24 Apr 2019 10:25

Tgt Ion: 85 Resp: 129009

Ion Ratio Lower Upper

85 100

87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

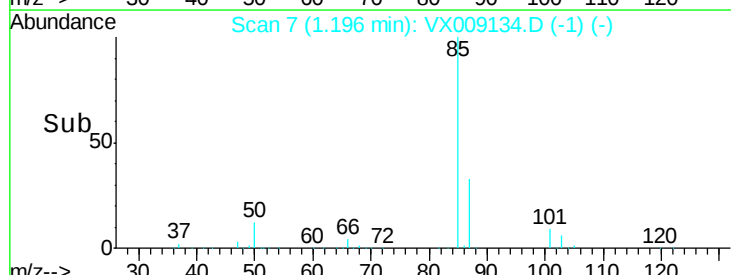
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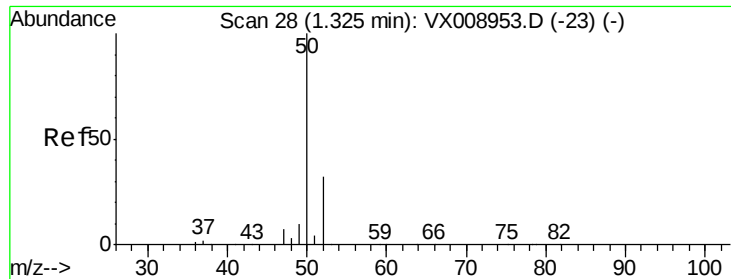
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50000

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Time-->





#3

Chloromethane

Concen: 50.395 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 140104

Ion Ratio Lower Upper

50 100

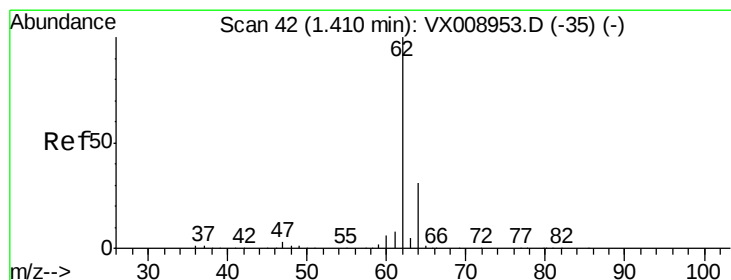
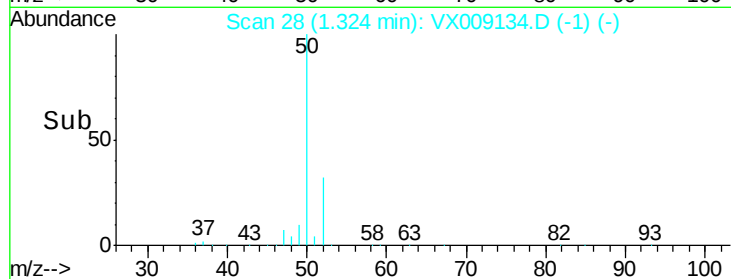
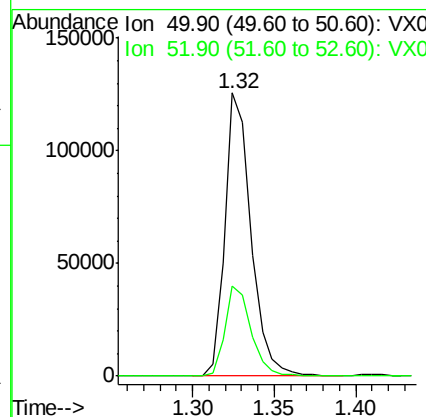
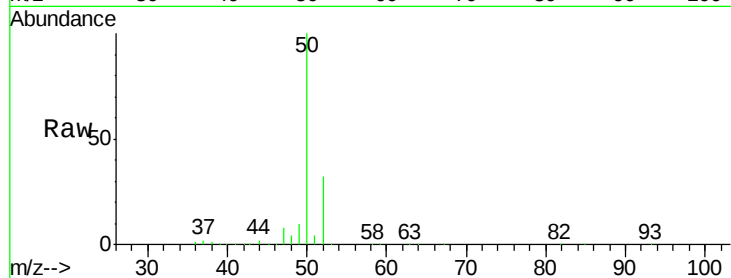
52 31.7 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.735 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009134.D

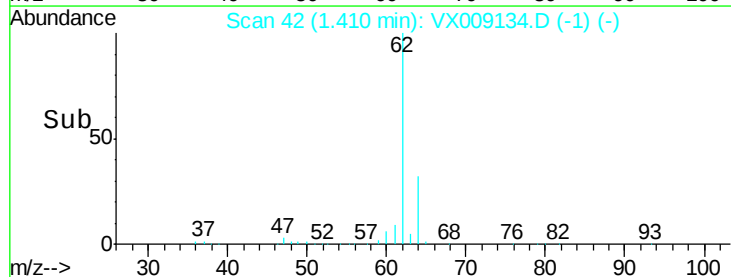
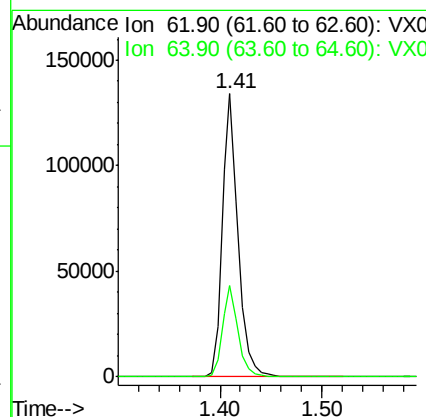
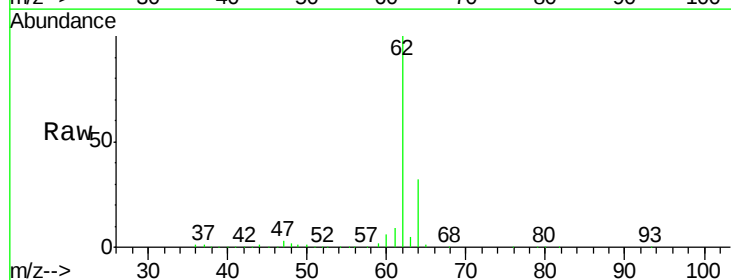
Acq: 24 Apr 2019 10:25

Tgt Ion: 62 Resp: 145399

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 53.491 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 91131

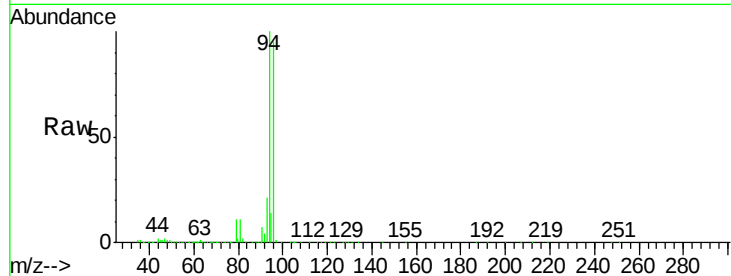
Ion Ratio Lower Upper

94 100

96 95.4 73.9 110.9

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

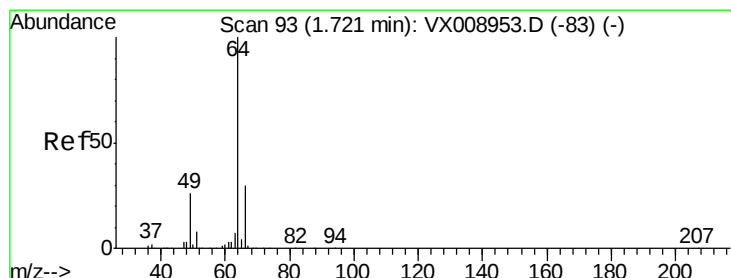
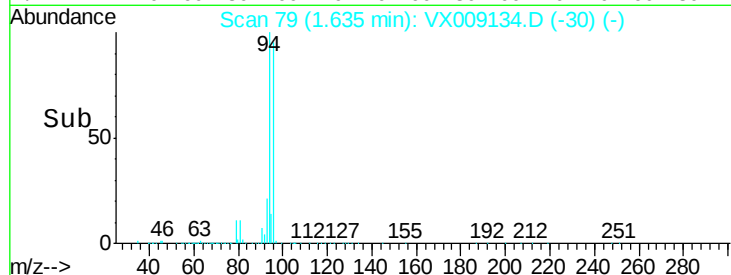
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 53.649 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009134.D

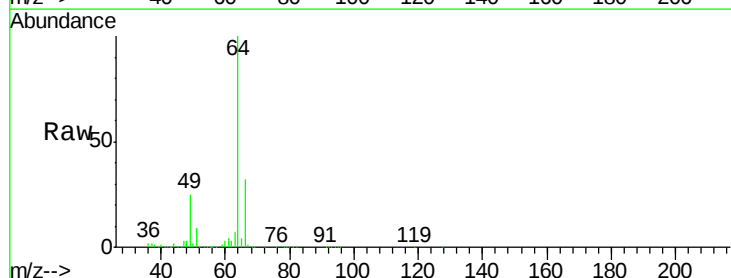
Acq: 24 Apr 2019 10:25

Tgt Ion: 64 Resp: 85363

Ion Ratio Lower Upper

64 100

66 31.9 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

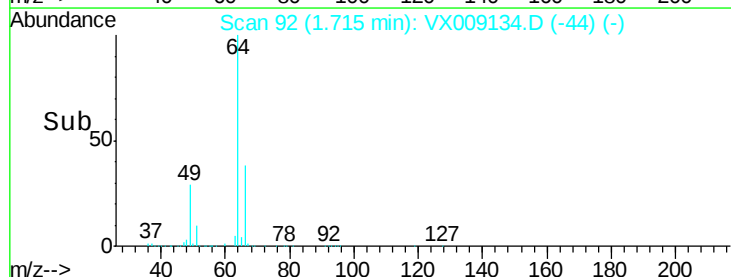
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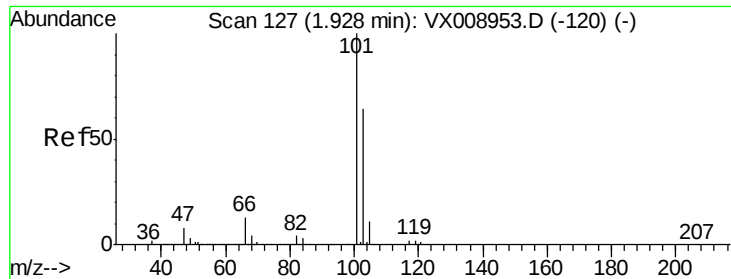
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20000

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Time-->





#7

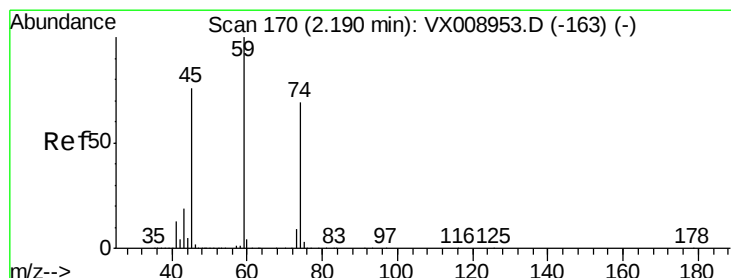
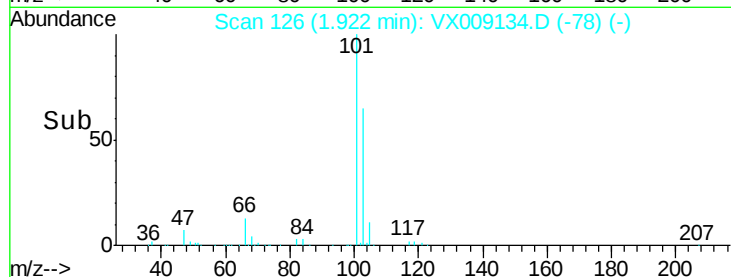
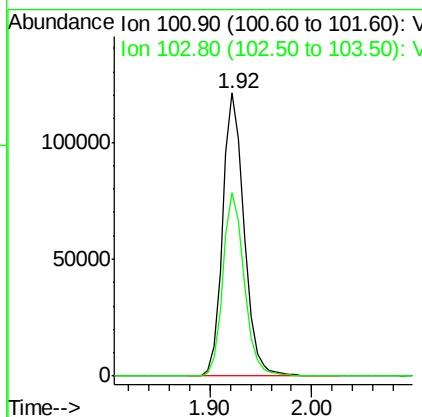
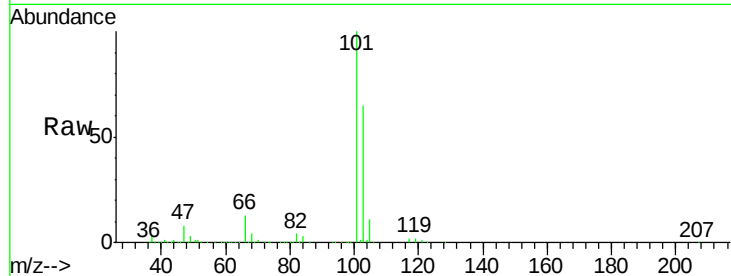
Trichlorofluoromethane
Concen: 56.143 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.6

Manual Integrations
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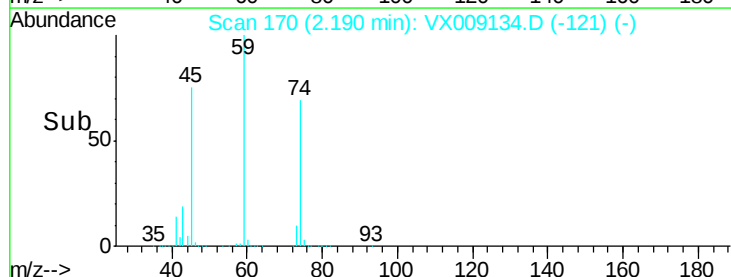
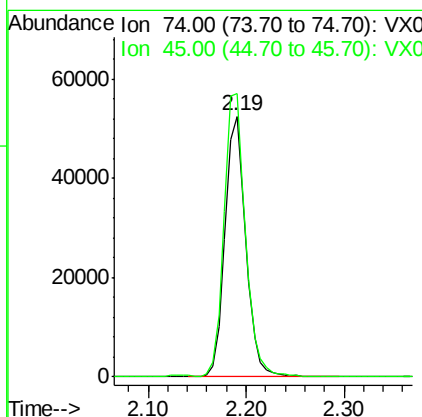
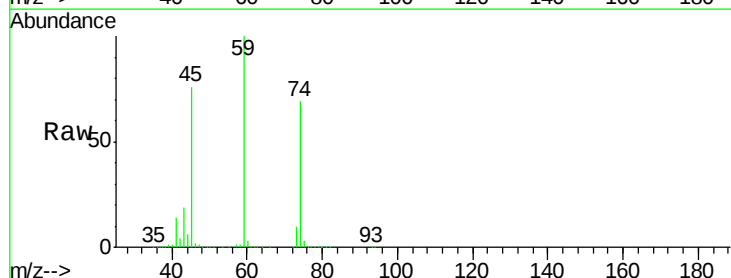
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4/25/2019 12:34:08 PM



#8

Diethyl Ether
Concen: 53.722 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.0	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.408 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

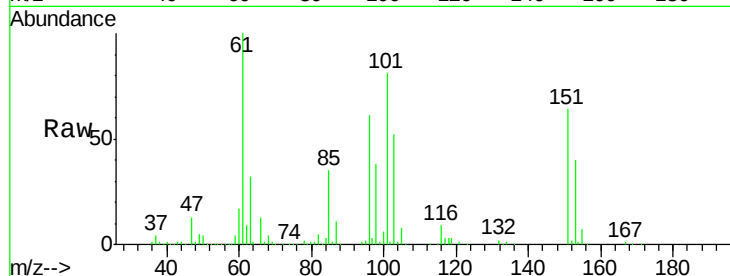
ClientSampleId :

VSTDCCC050

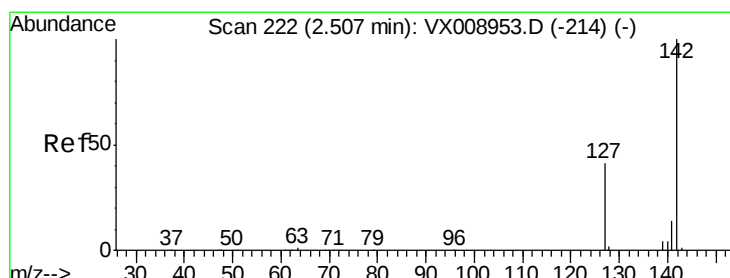
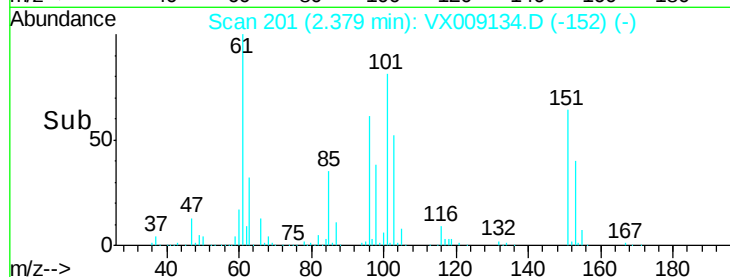
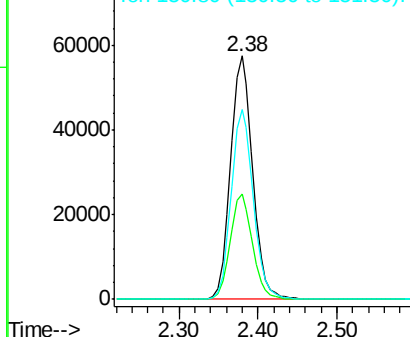
Tot Ion:	101	Resp:	111921
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.7	53.5
151	78.0	62.7	94.1

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.337 ug/l

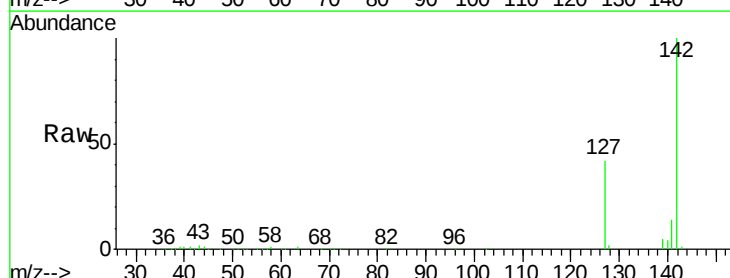
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

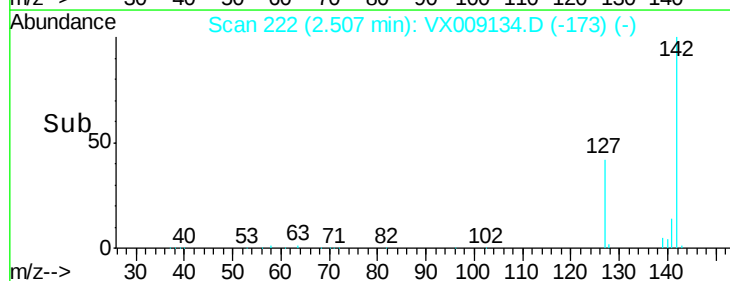
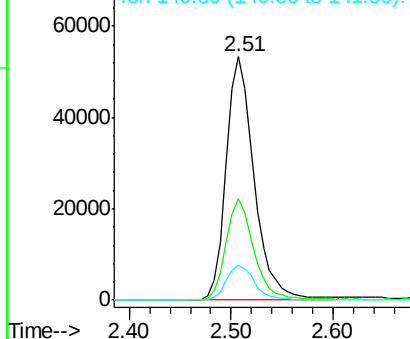
Lab File: VX009134.D

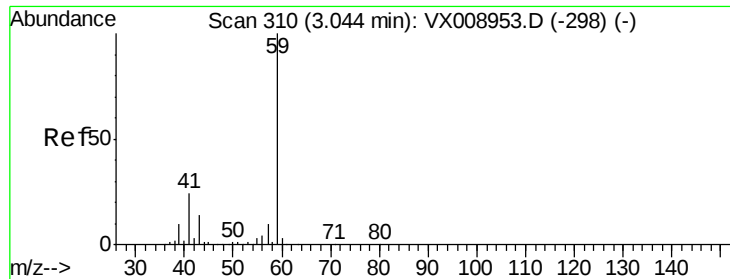
Acq: 24 Apr 2019 10:25

Tgt Ion:	142	Resp:	101552
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	14.5	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





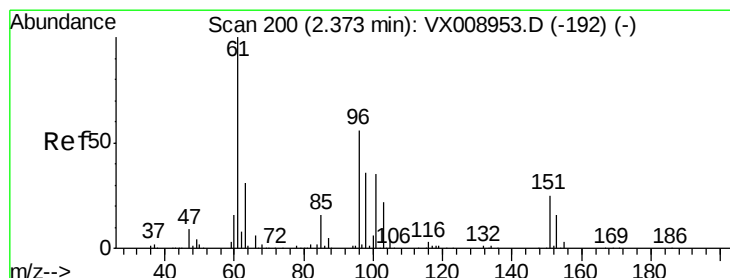
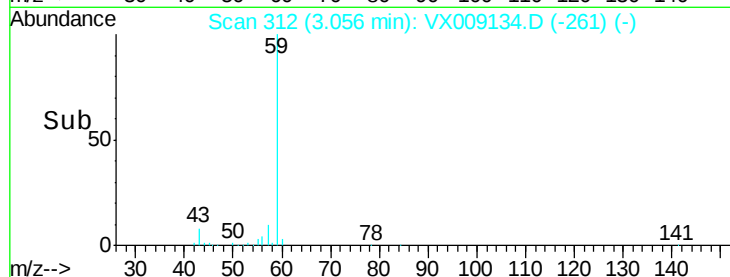
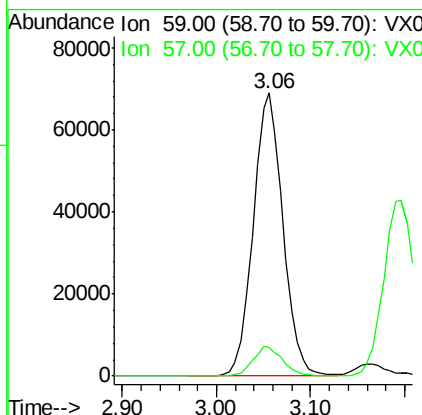
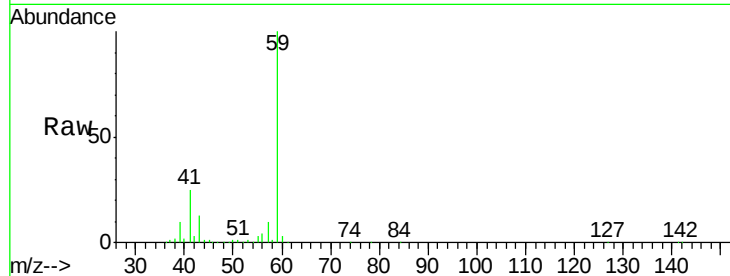
#11
Tert butyl alcohol
Concen: 248.804 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 153022
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

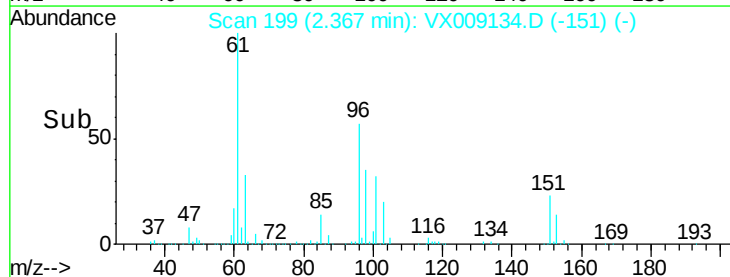
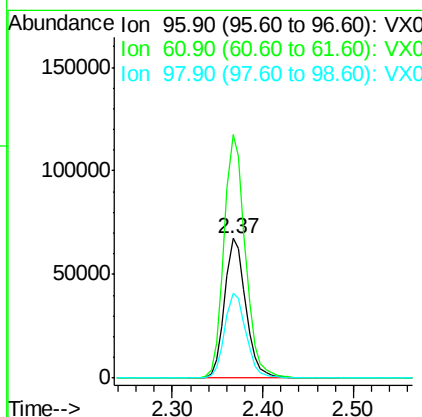
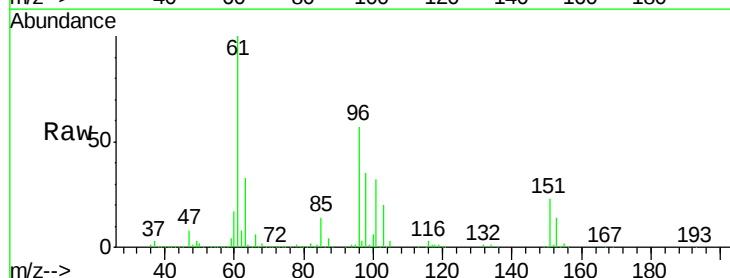
Manual Integrations
APPROVED

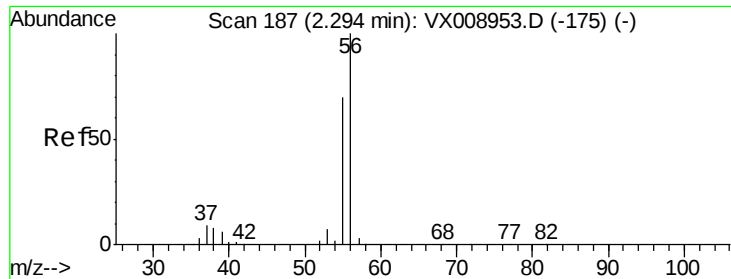
MMDadoda
4/25/2019 12:34:08 PM



#12
1,1-Dichloroethene
Concen: 52.288 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion: 96 Resp: 110242
Ion Ratio Lower Upper
96 100
61 174.5 142.2 213.2
98 60.7 50.9 76.3





#13

Acrolein

Concen: 216.598 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 115102

Ion Ratio Lower Upper

56 100

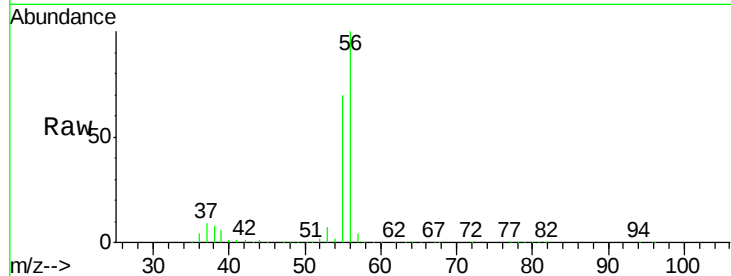
55 71.1 56.6 84.8

Manual Integrations

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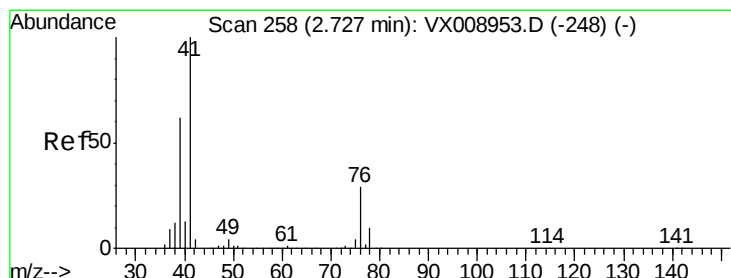
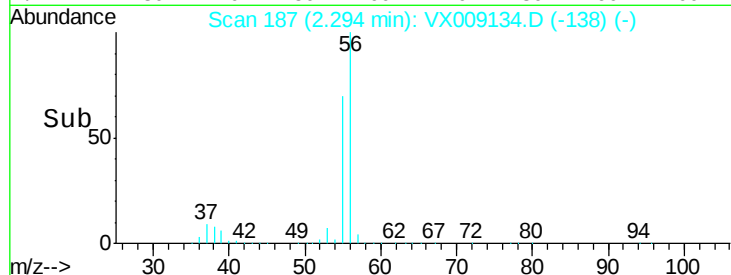
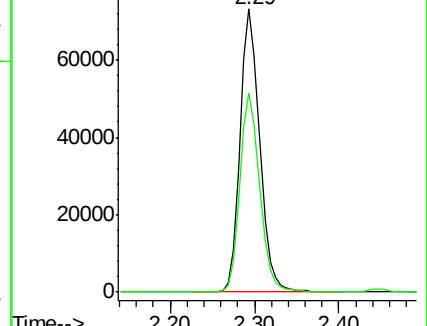
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 57.465 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

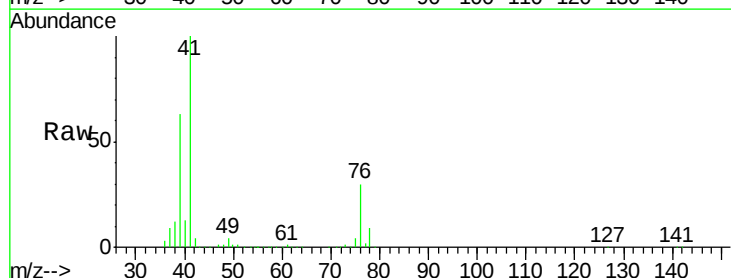
Tgt Ion: 41 Resp: 264330

Ion Ratio Lower Upper

41 100

39 58.8 46.7 70.1

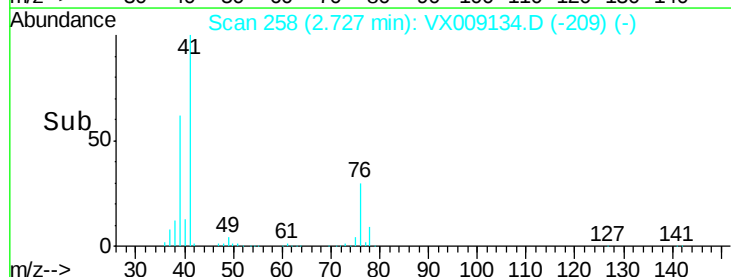
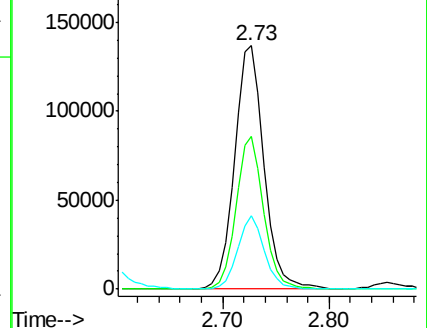
76 27.4 22.0 33.0

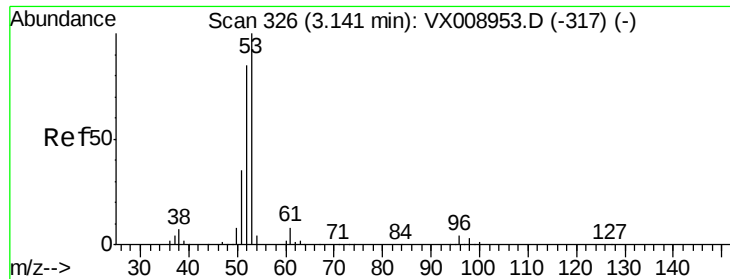


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 264.048 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

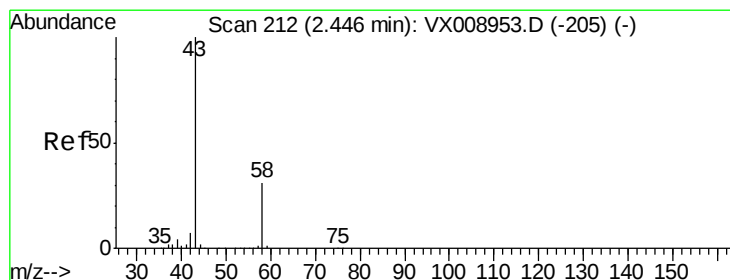
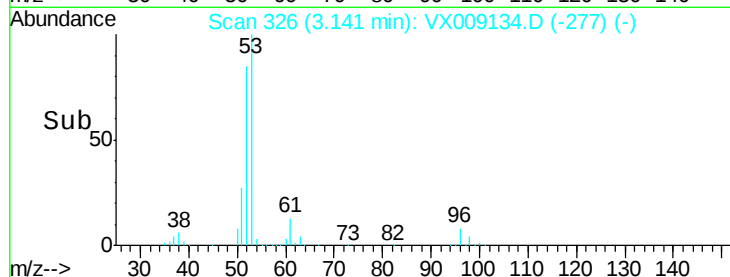
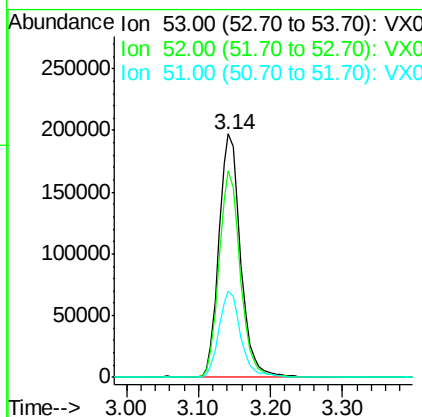
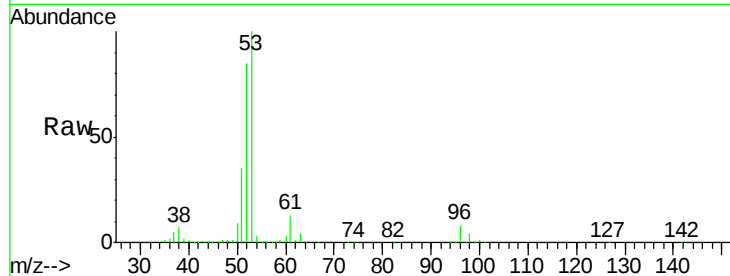
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	412243
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	35.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 278.877 ug/l

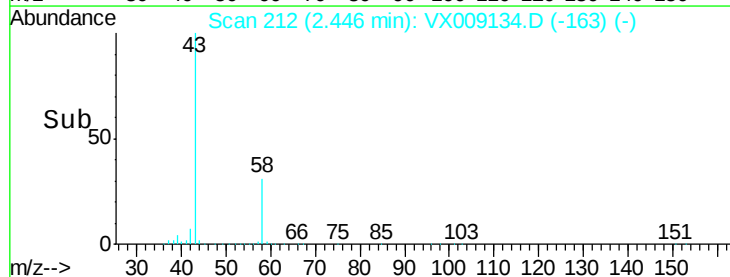
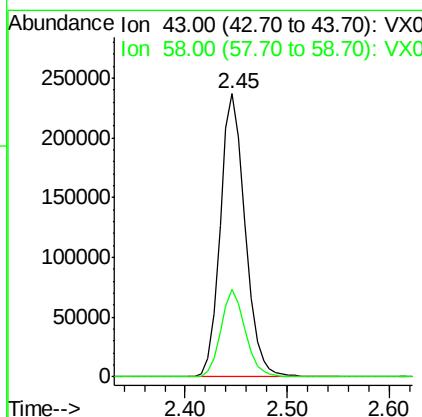
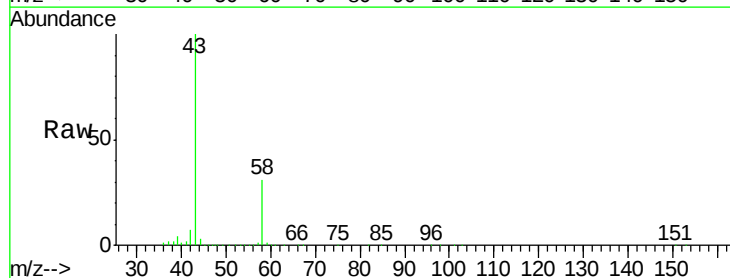
RT: 2.45 min Scan# 212

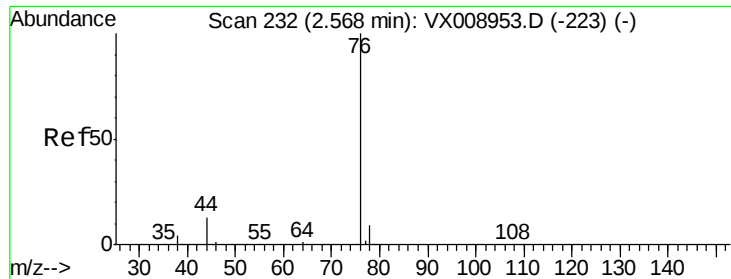
Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion:	43	Resp:	400702
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





#17

Carbon Disulfide

Concen: 52.807 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 327614

Ion Ratio Lower Upper

76 100

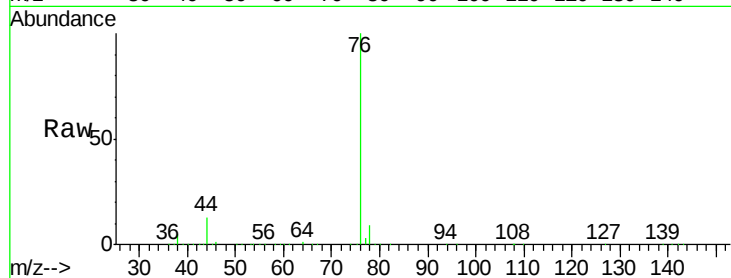
78 9.0 7.2 10.8

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

2.57

200000

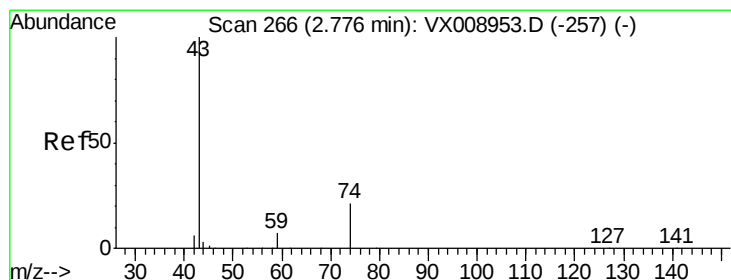
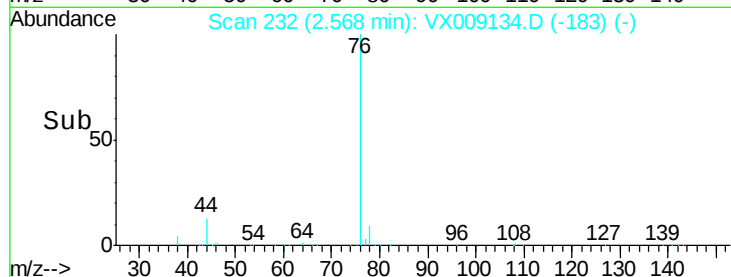
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.544 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009134.D

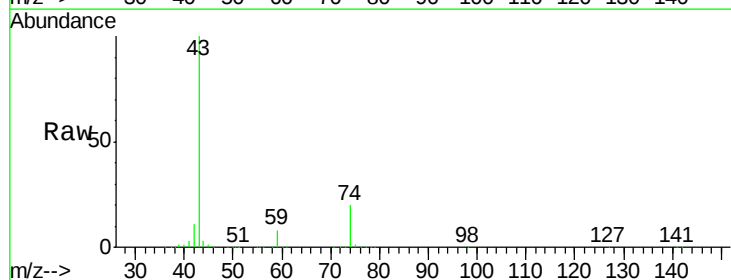
Acq: 24 Apr 2019 10:25

Tgt Ion: 43 Resp: 192010

Ion Ratio Lower Upper

43 100

74 19.7 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

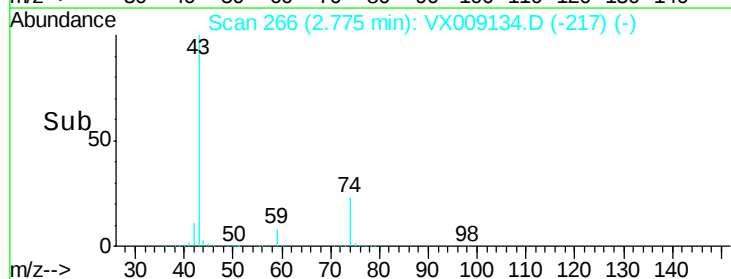
60000

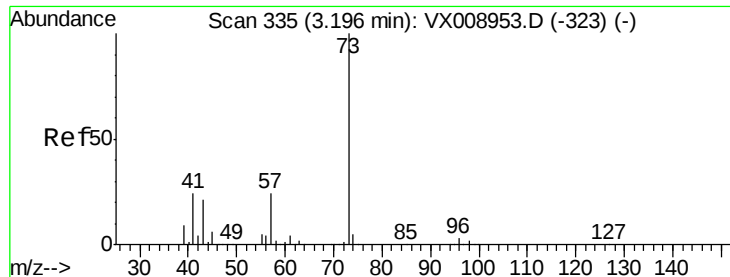
40000

20000

0

Time-->





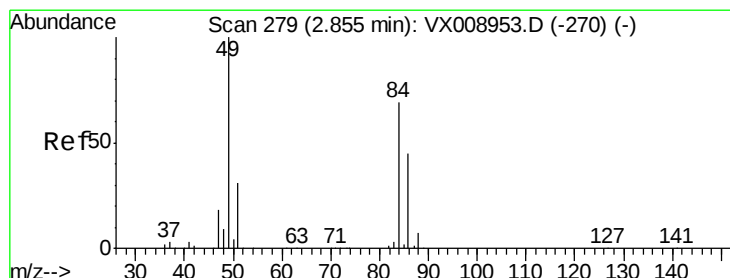
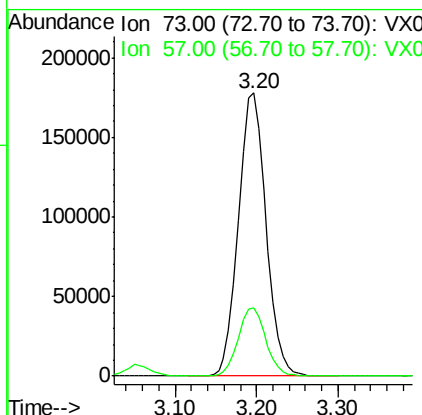
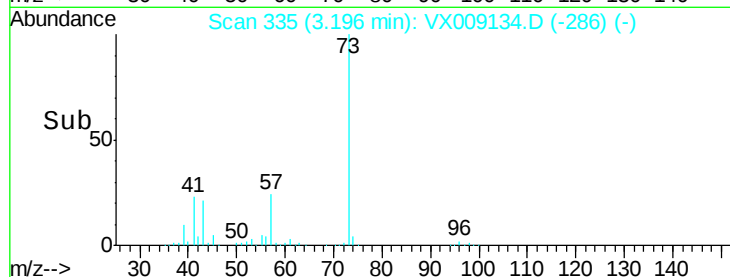
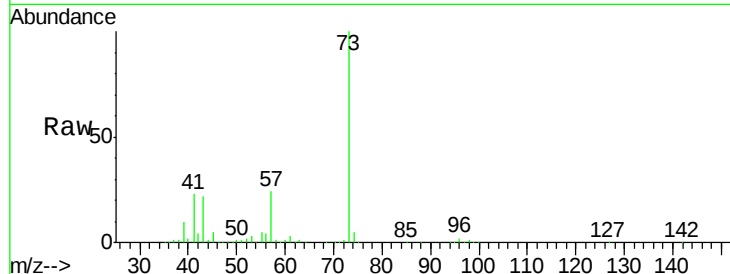
#19
Methvl tert-butvl Ether
Concen: 55.555 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 417353
Ion Ratio Lower Upper
73 100
57 24.0 19.2 28.8

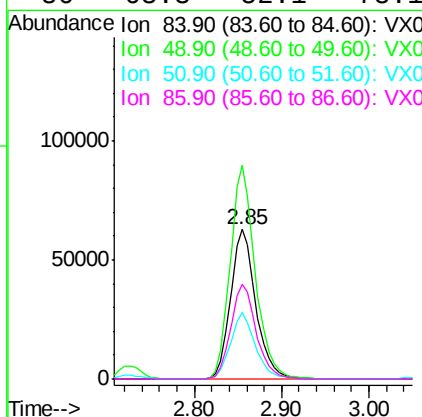
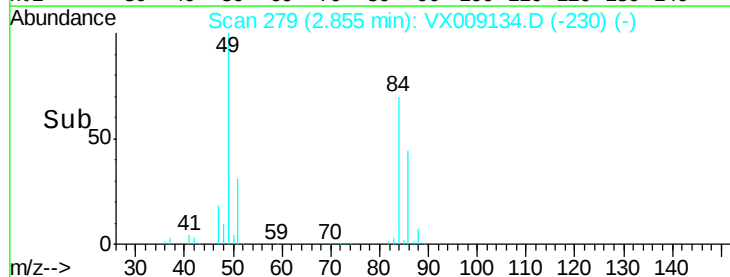
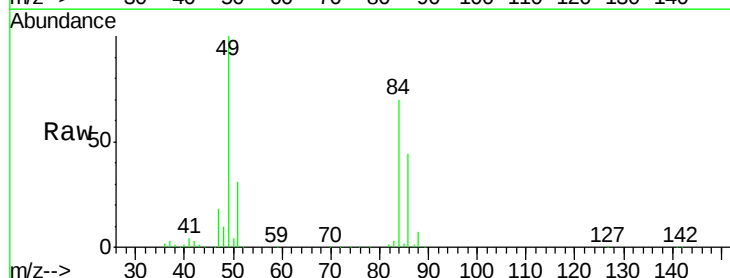
Manual Integrations
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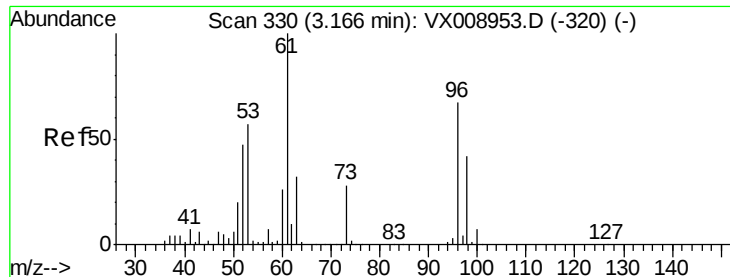
MMDadoda
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#20
Methylene Chloride
Concen: 51.361 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion: 84 Resp: 126203
Ion Ratio Lower Upper
84 100
49 142.8 115.4 173.0
51 44.4 35.8 53.6
86 63.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 53.562 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

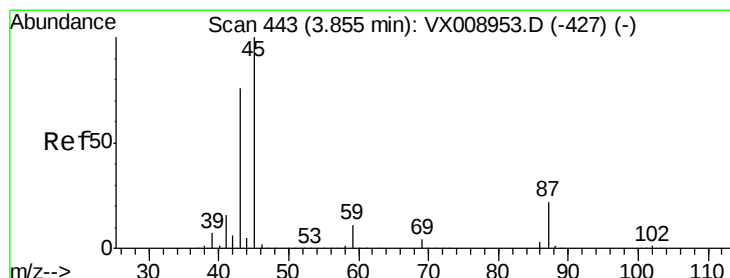
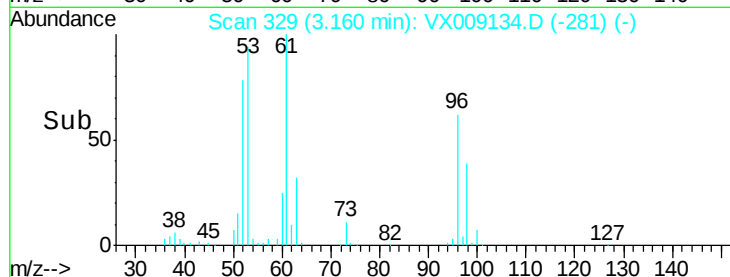
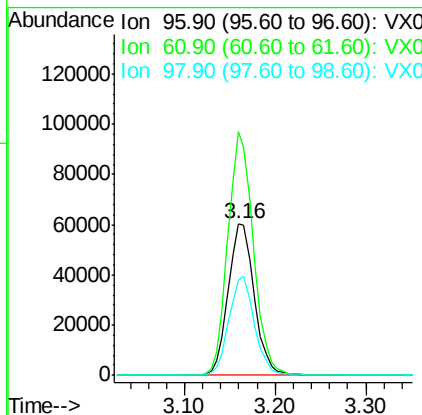
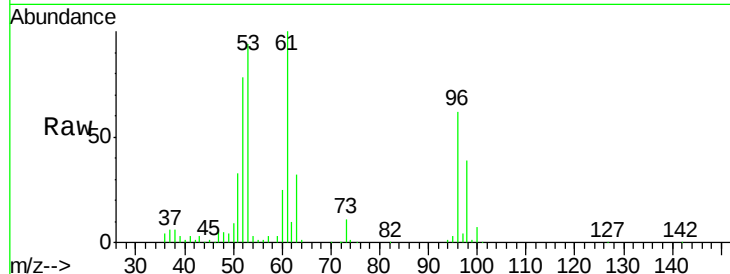
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120451
Ion	Ratio	Lower	Upper
96	100		
61	160.4	120.3	180.5
98	63.0	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.448 ug/l

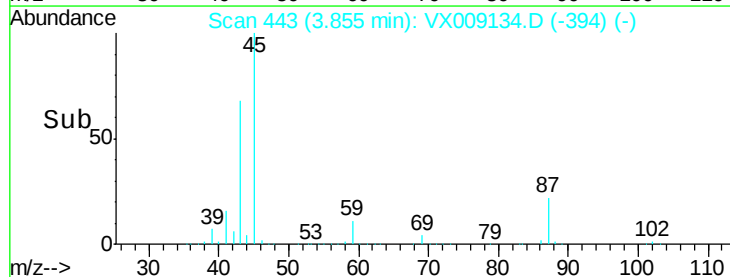
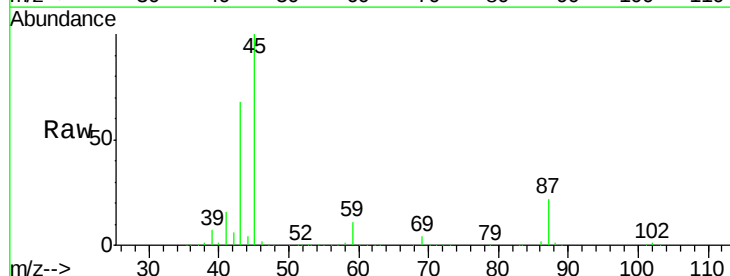
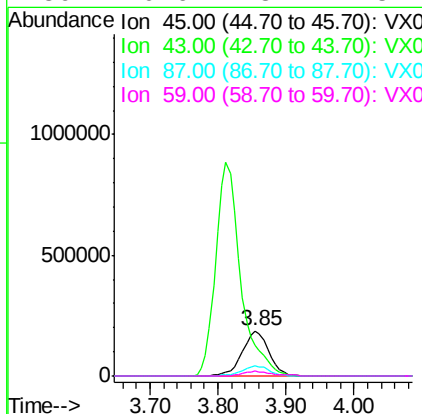
RT: 3.85 min Scan# 443

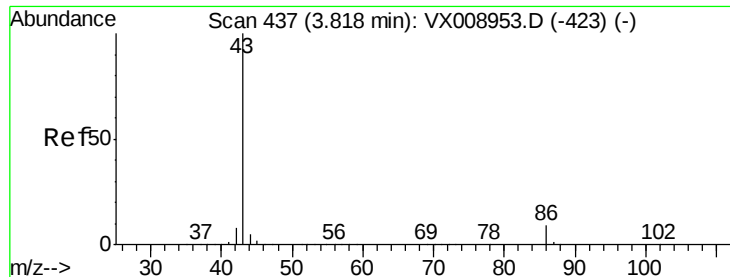
Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion:	45	Resp:	504549
Ion	Ratio	Lower	Upper
45	100		
43	67.8	60.6	91.0
87	22.4	17.8	26.8
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 288.123 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2263802

Ion Ratio Lower Upper

43 100

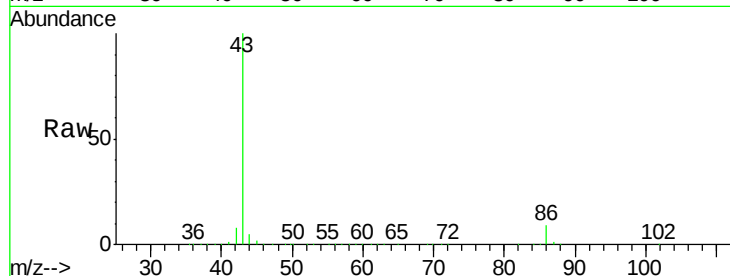
86 8.5 7.1 10.7

Manual Integrations

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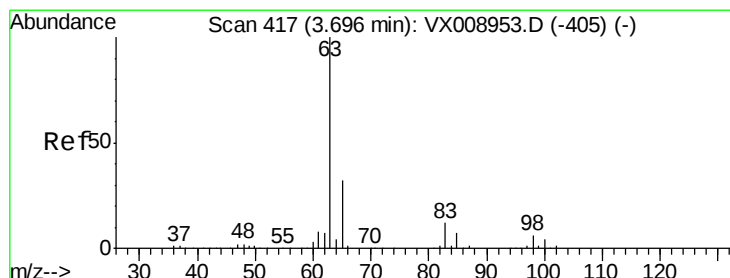
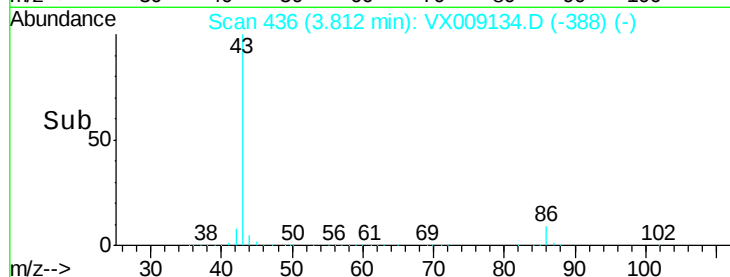
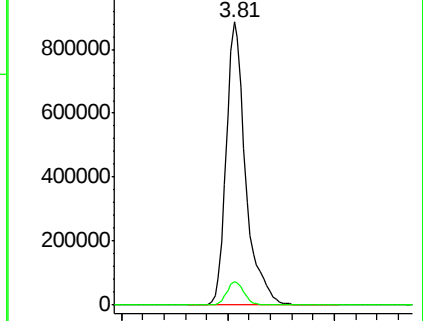
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.393 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

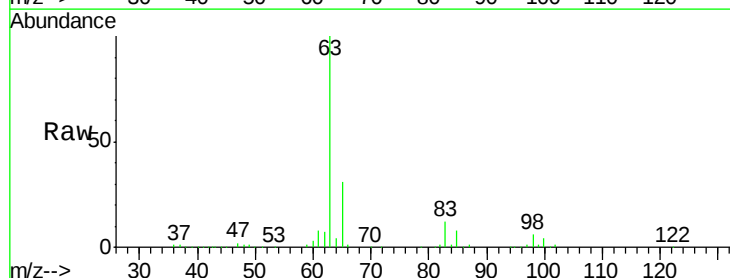
Tgt Ion: 63 Resp: 248539

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

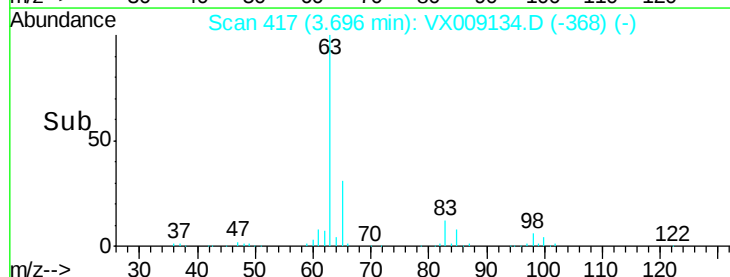
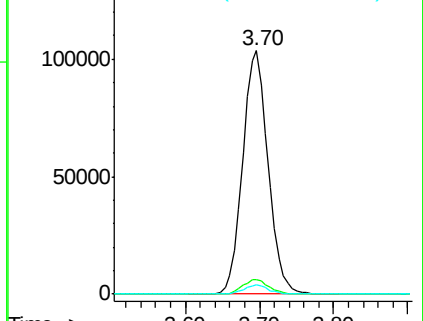
100 3.9 1.9 5.7

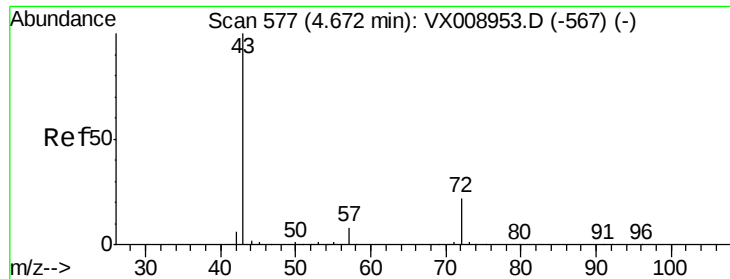


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 273.924 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tot Ion: 43 Resp: 629120

Ion Ratio Lower Upper

43 100

72 22.6 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

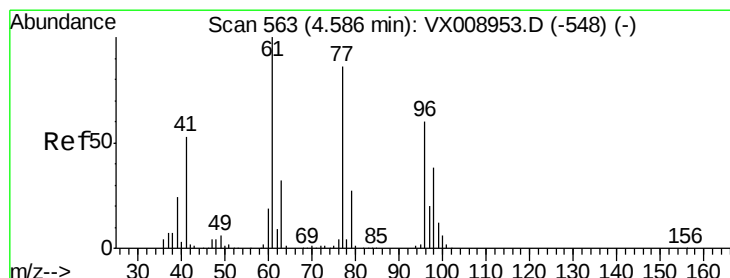
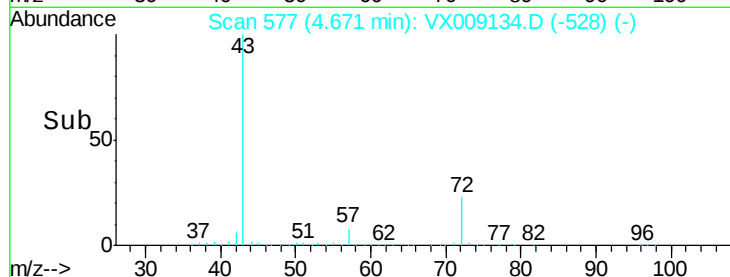
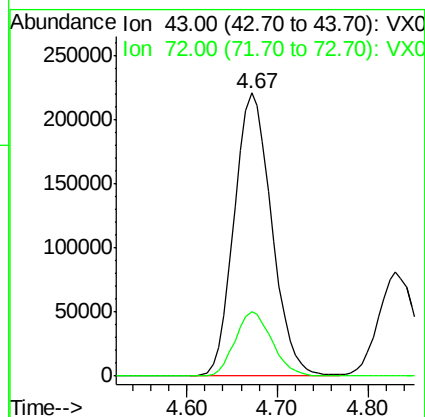
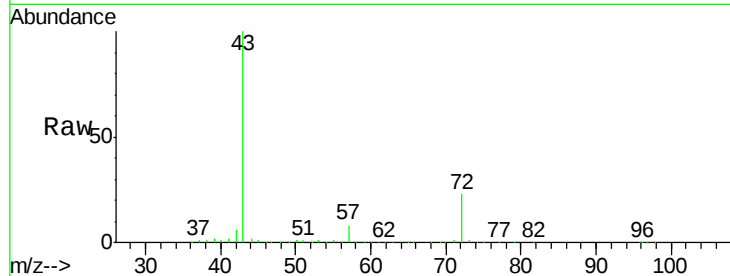
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.786 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009134.D

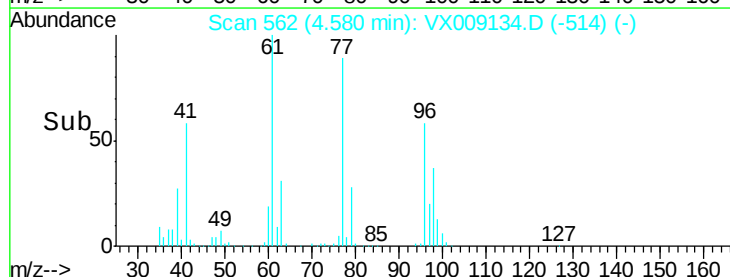
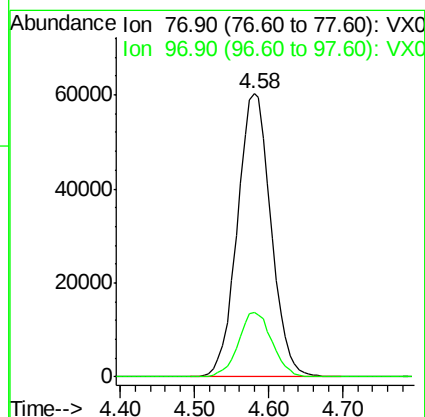
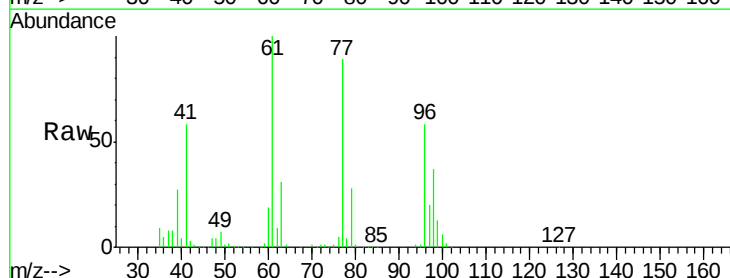
Acq: 24 Apr 2019 10:25

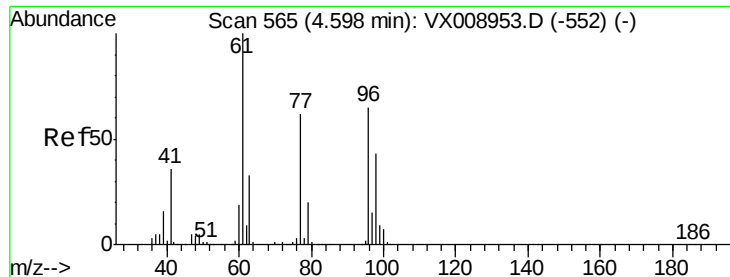
Tgt Ion: 77 Resp: 190989

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





#27

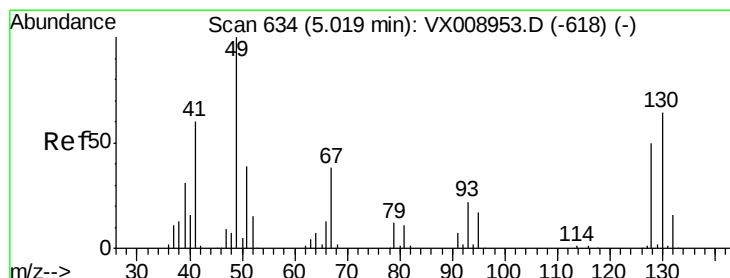
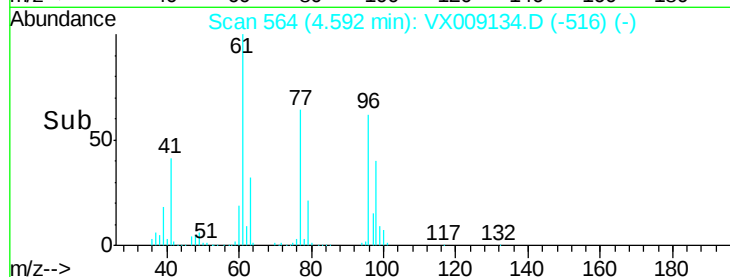
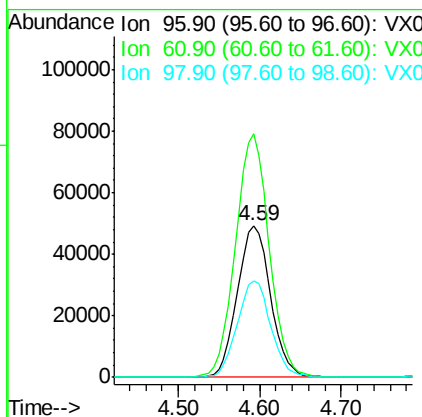
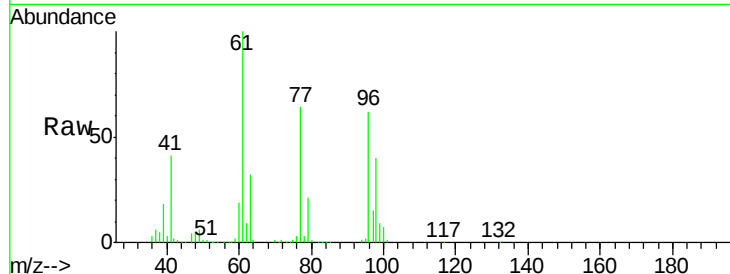
cis-1,2-Dichloroethene
Concen: 54.649 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139532		
61	162.8	0.0	322.0	
98	63.9	0.0	128.4	

Manual Integrations
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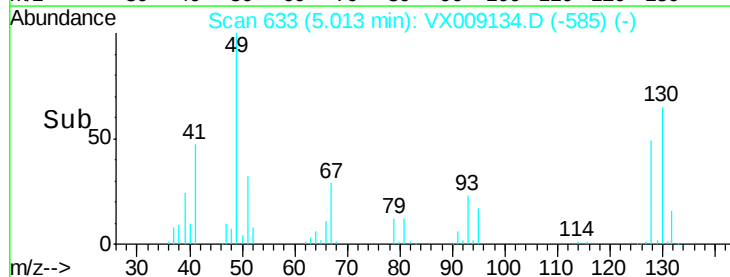
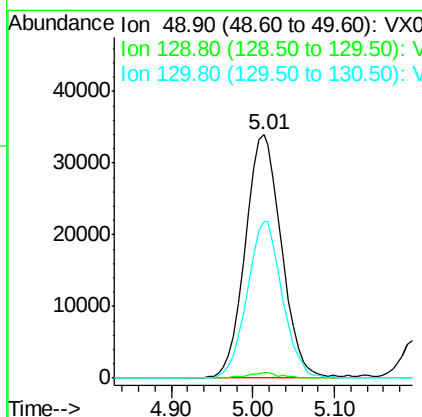
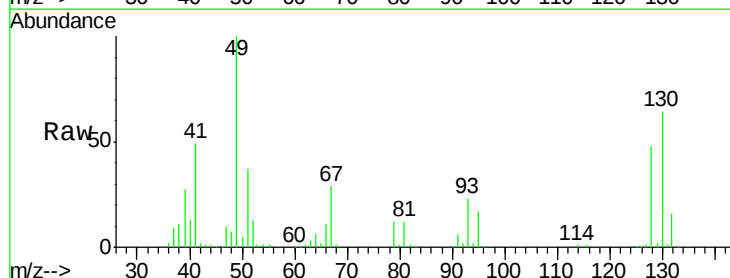
MMDadoda
4/25/2019 12:34:08 PM

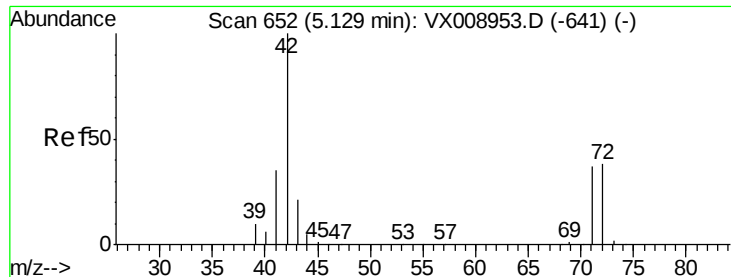


#28

Bromochloromethane
Concen: 56.540 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104902		
129	1.9	0.0	3.6	
130	62.6	50.4	75.6	





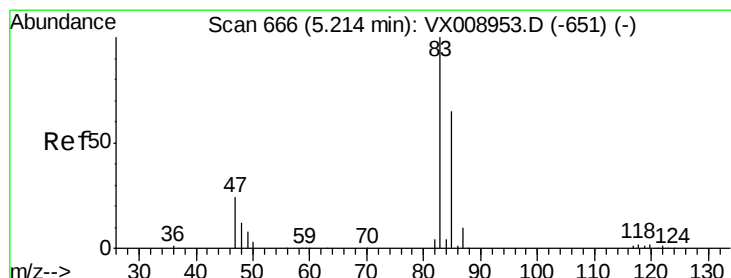
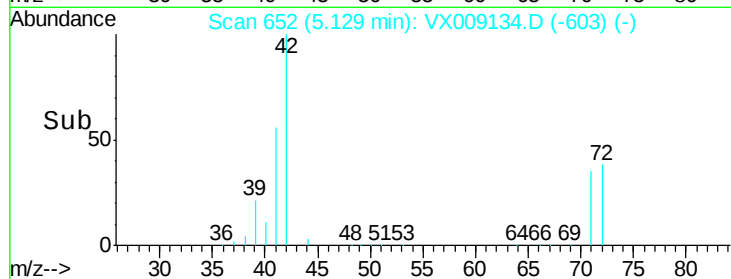
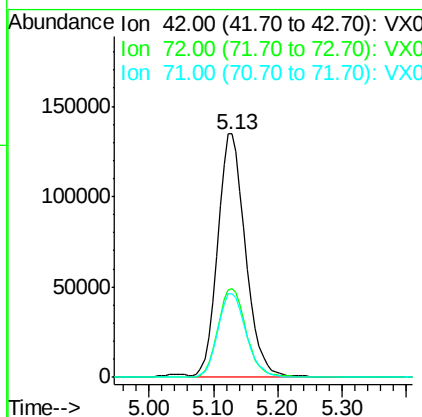
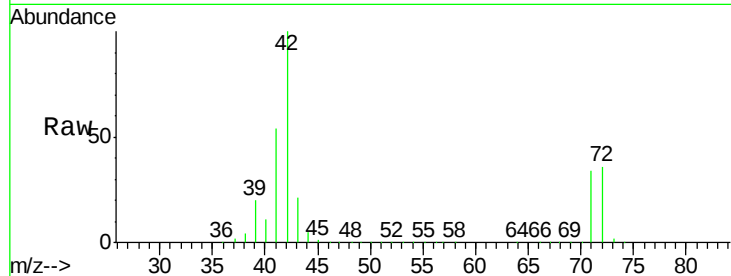
#29
Tetrahydrofuran
Concen: 265.529 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.6	45.8
71	35.3	28.8	43.2

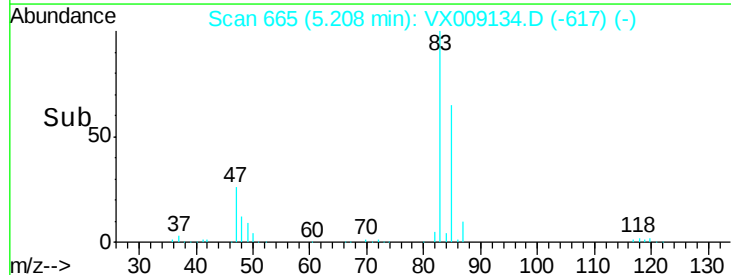
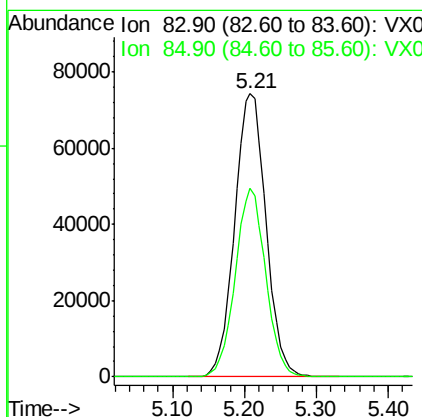
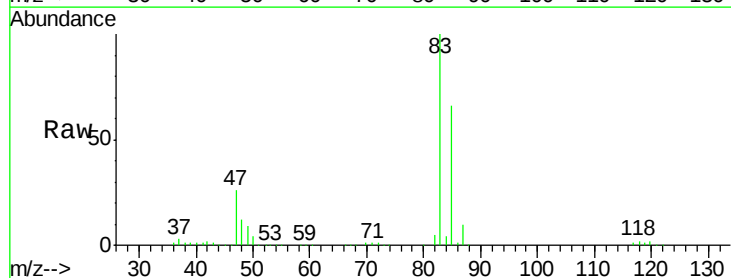
Manual Integrations
APPROVED

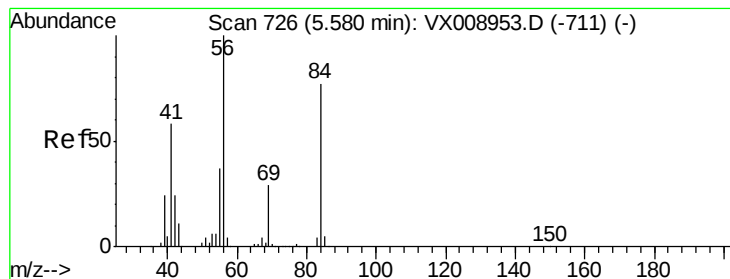
MMDadoda
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#30
Chloroform
Concen: 55.838 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.9	77.9





#31

Cyclohexane

Concen: 56.516 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

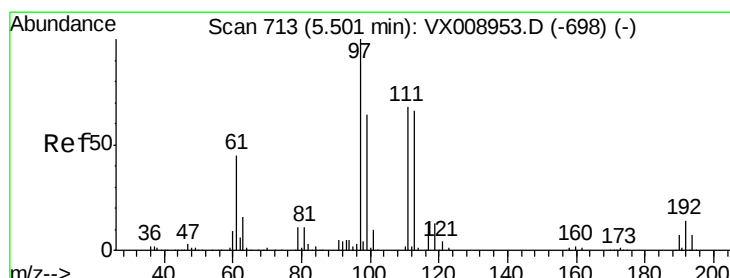
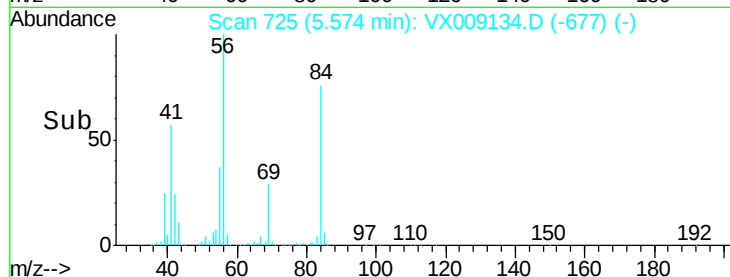
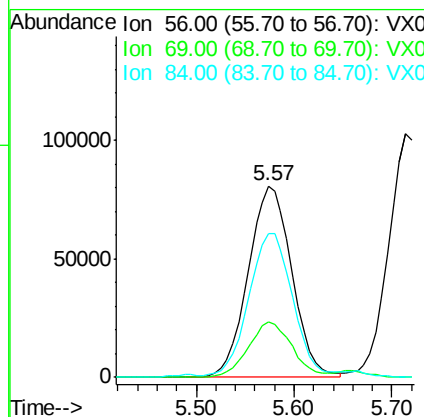
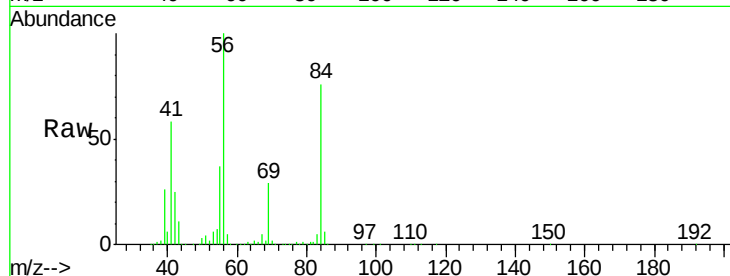
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	249407
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.3	34.9
84	74.3	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.396 ug/l

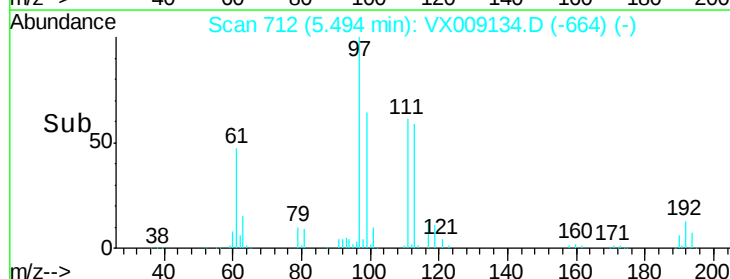
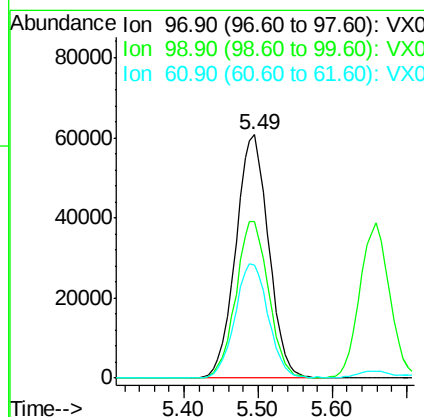
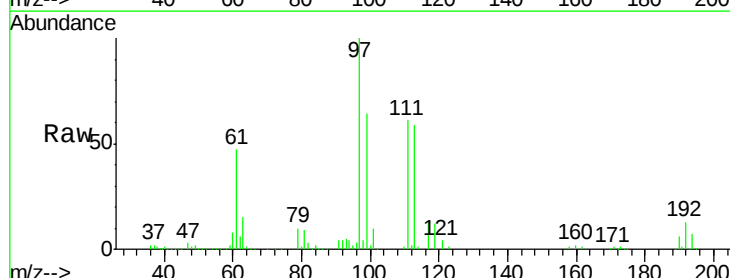
RT: 5.49 min Scan# 712

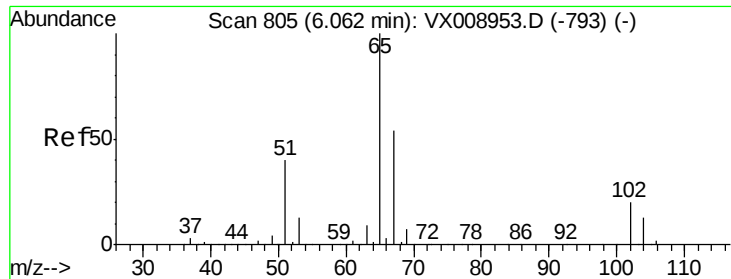
Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion:	97	Resp:	187671
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	47.8	37.9	56.9





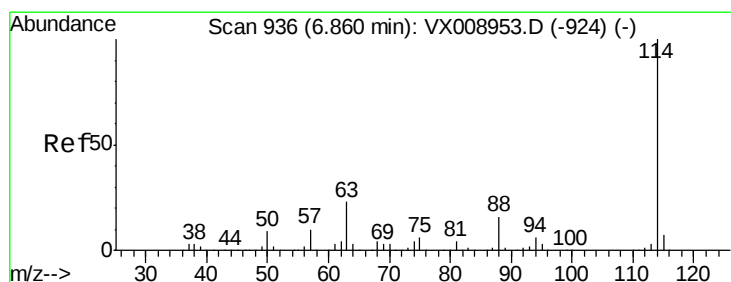
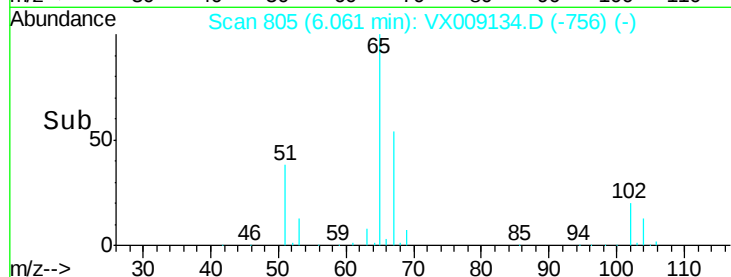
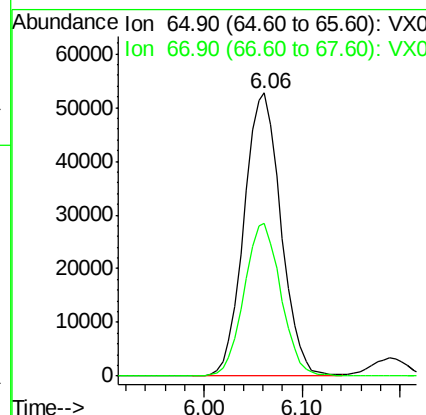
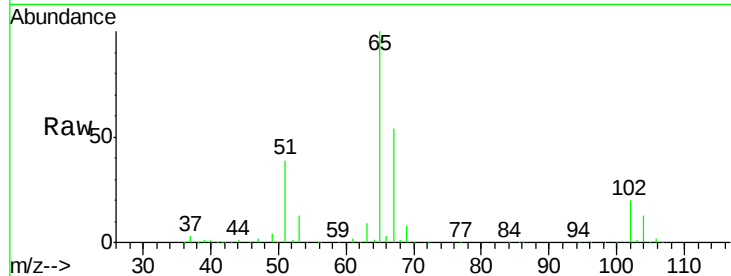
#33
 1,2-Dichloroethane-d4
 Concen: 49.886 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.6

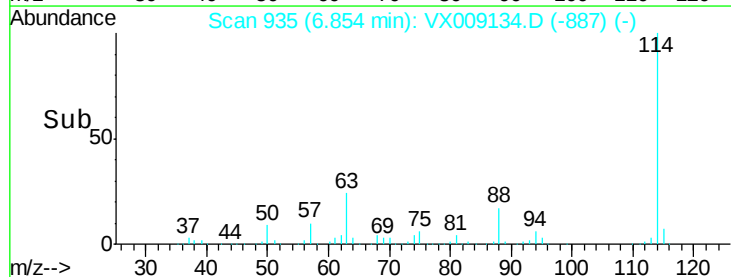
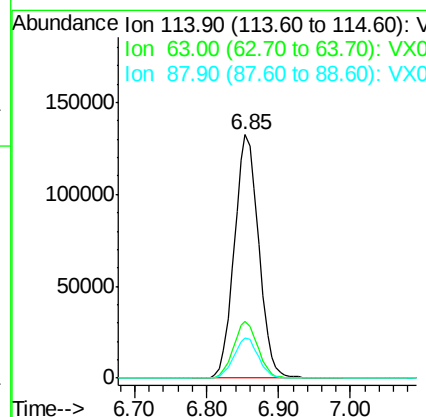
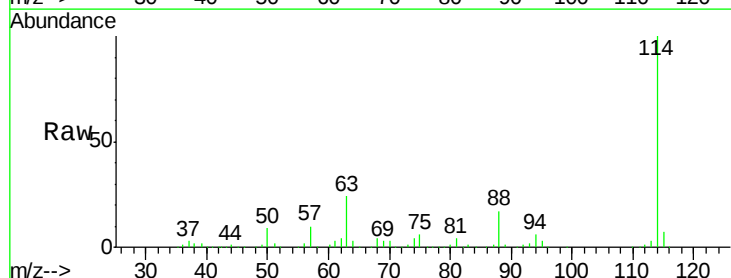
Manual Integrations
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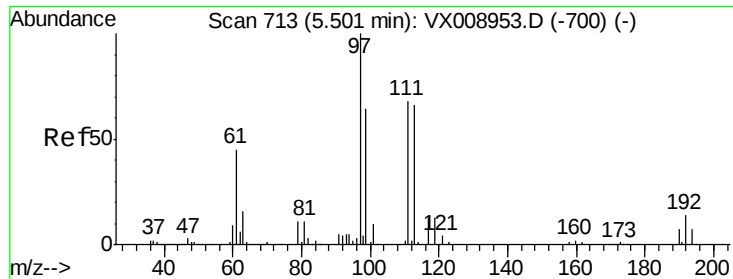
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.0
88	16.7	0.0	32.6





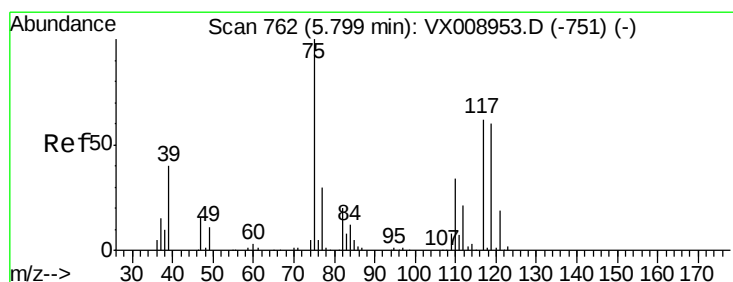
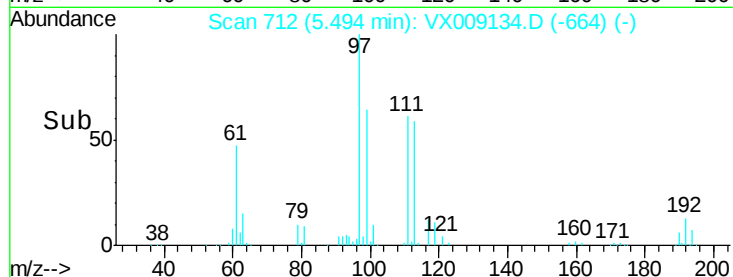
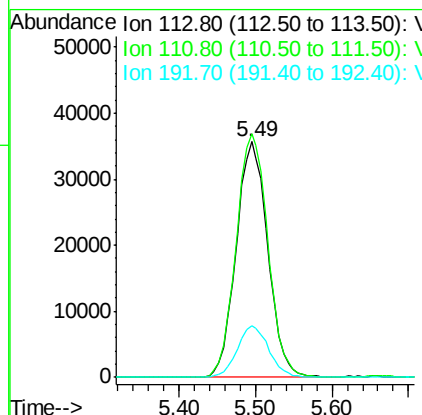
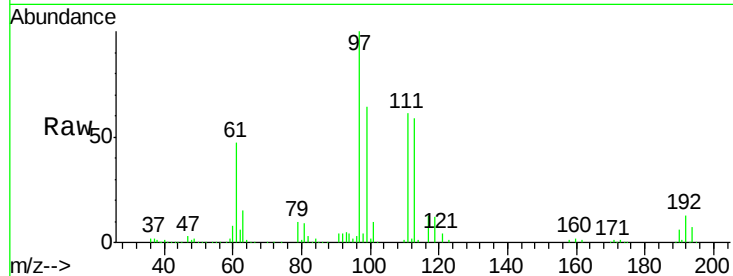
#35
Dibromofluoromethane
Concen: 50.852 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102181		
111	104.1	82.9	124.3	
192	21.7	17.4	26.0	

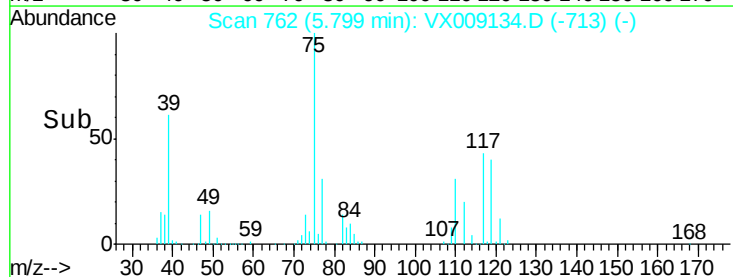
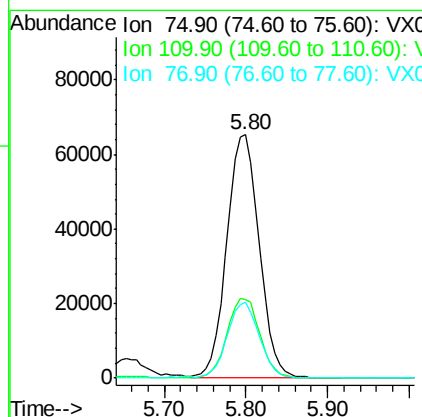
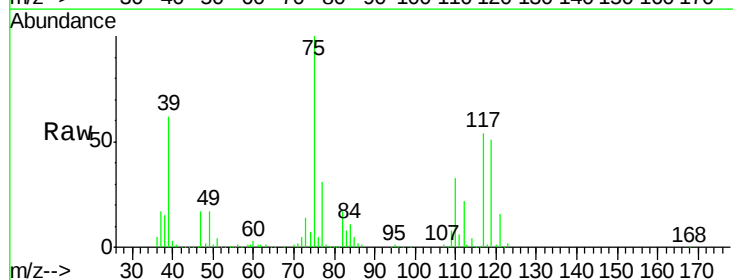
Manual Integrations
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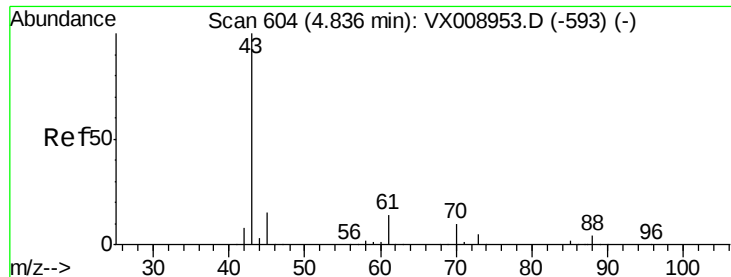
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#36
1,1-Dichloropropene
Concen: 55.221 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178809		
110	33.5	16.9	50.7	
77	30.8	25.0	37.4	





#37

Ethyl Acetate

Concen: 56.472 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

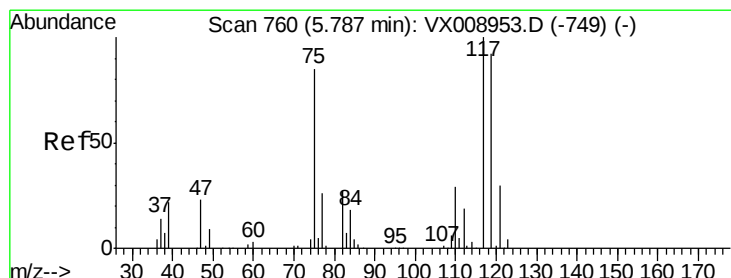
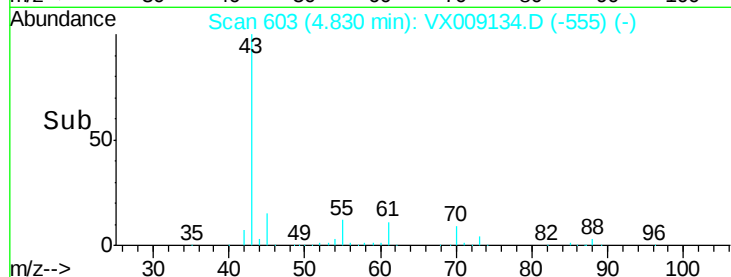
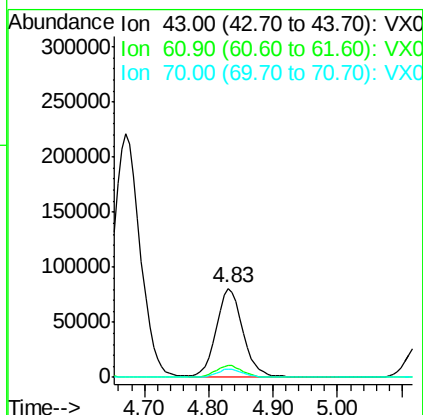
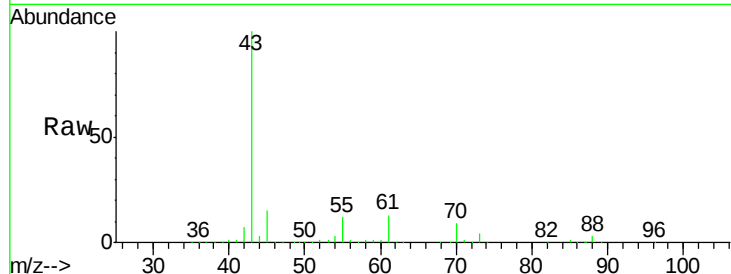
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	235301
Ion Ratio	Lower	Upper	
43	100		
61	12.9	10.6	15.8
70	9.4	7.7	11.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 57.872 ug/l

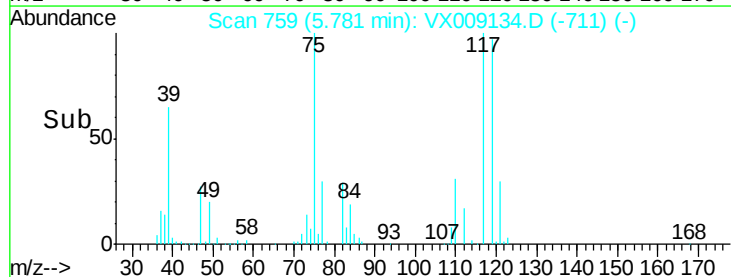
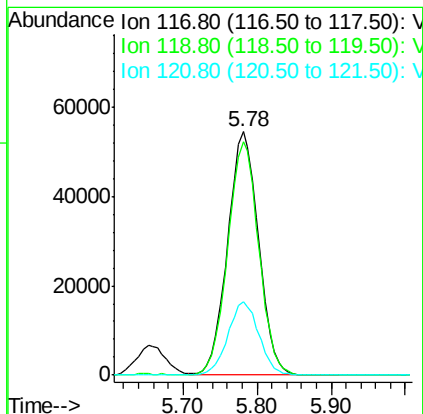
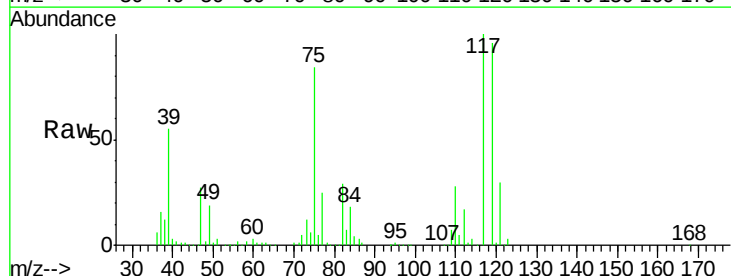
RT: 5.78 min Scan# 759

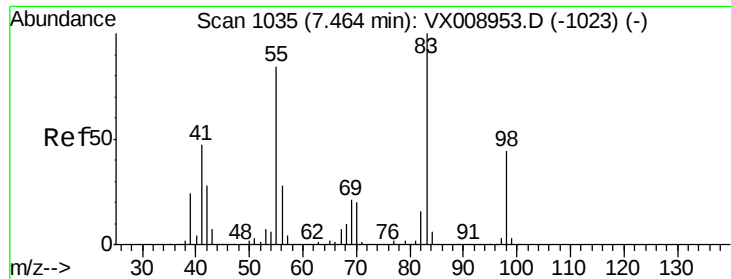
Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion:	117	Resp:	158866
Ion Ratio	Lower	Upper	
117	100		
119	95.9	73.8	110.8
121	30.4	23.6	35.4





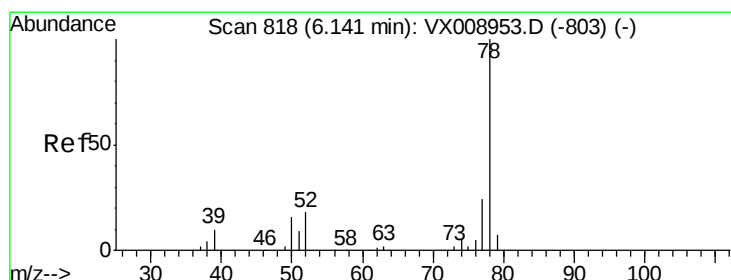
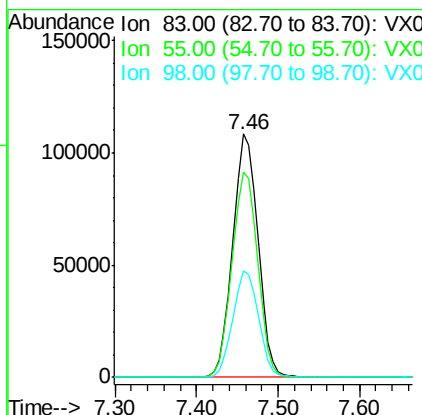
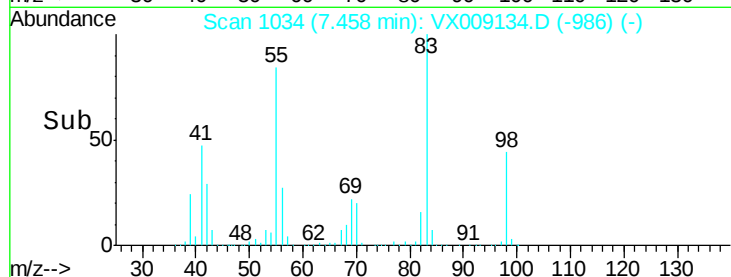
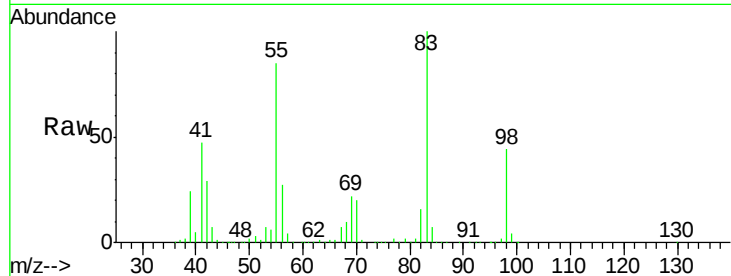
#39
Methvlcvclohexane
Concen: 58.651 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.4	67.1	100.7
98	44.1	35.1	52.7

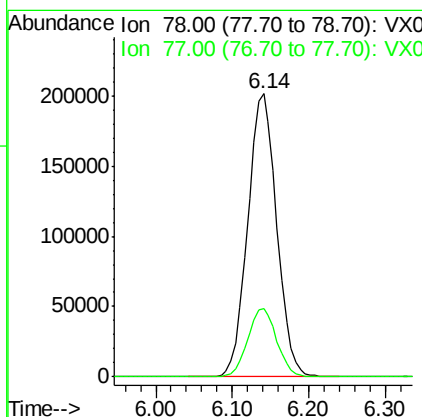
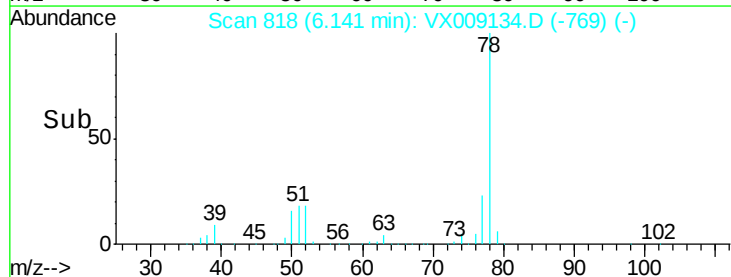
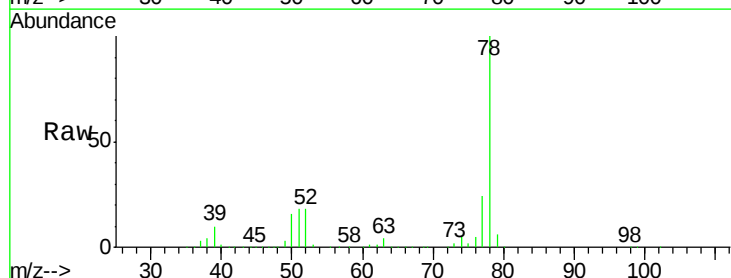
Manual Integrations
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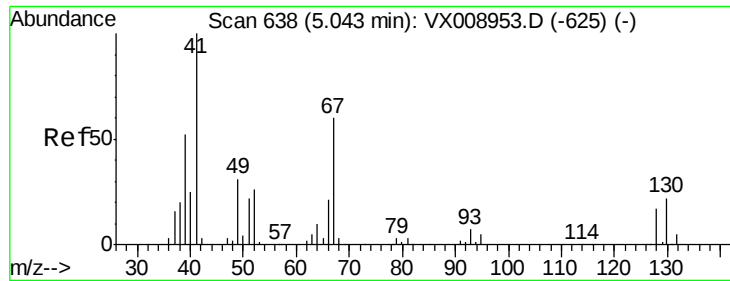
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#40
Benzene
Concen: 55.668 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





#41

Methacrylonitrile

Concen: 55.377 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

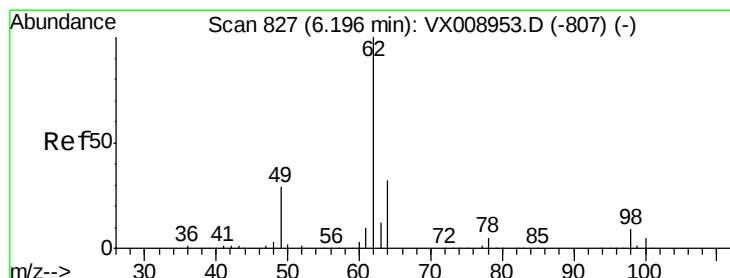
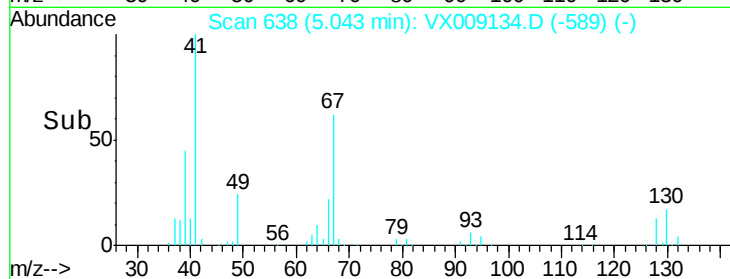
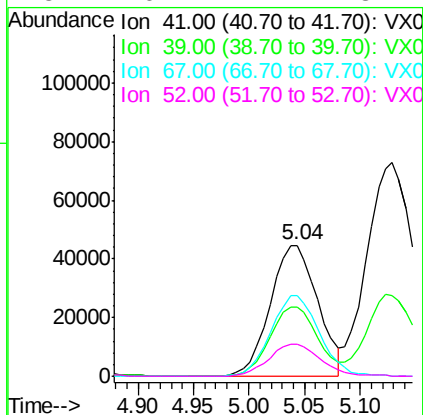
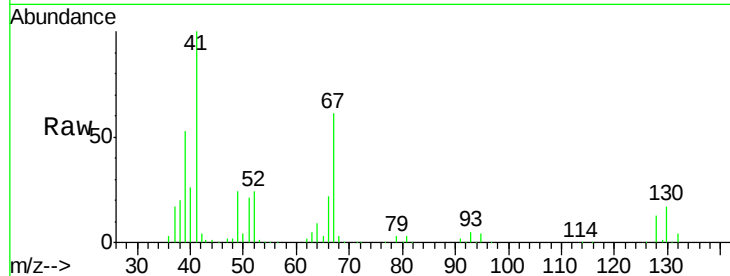
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	41.8	62.6	
67	63.1	50.2	75.4	
52	26.4	21.1	31.7	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.148 ug/l

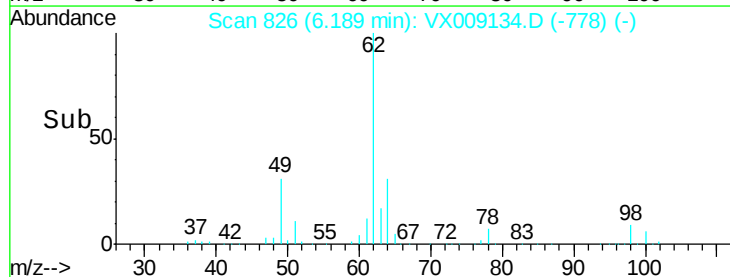
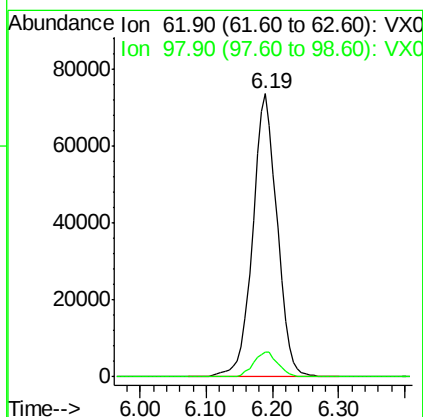
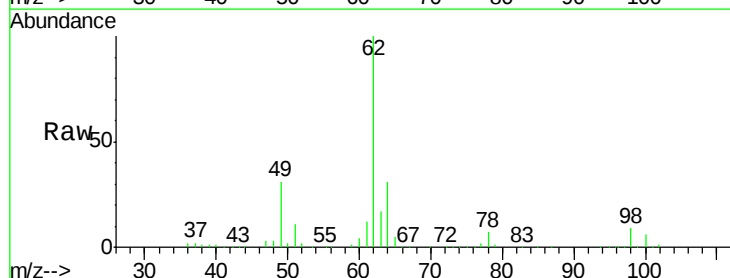
RT: 6.19 min Scan# 826

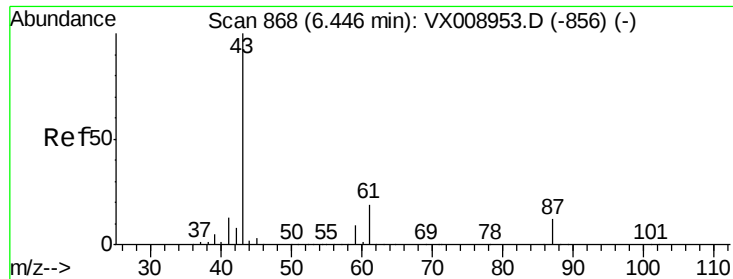
Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

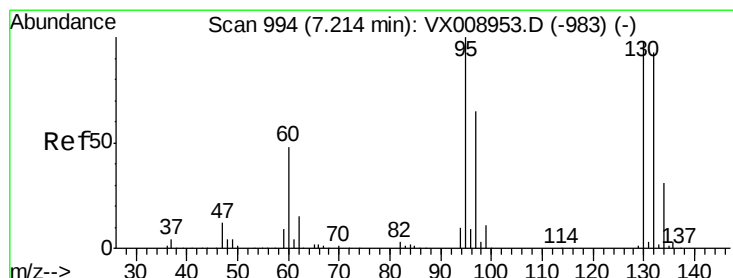
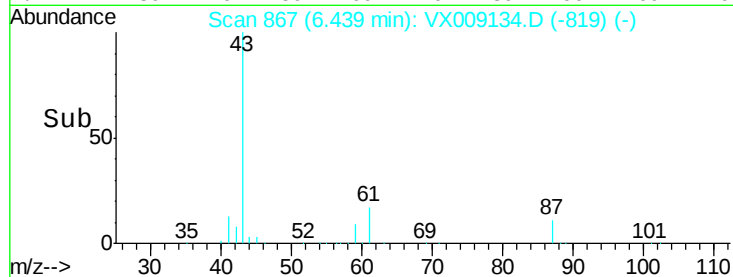
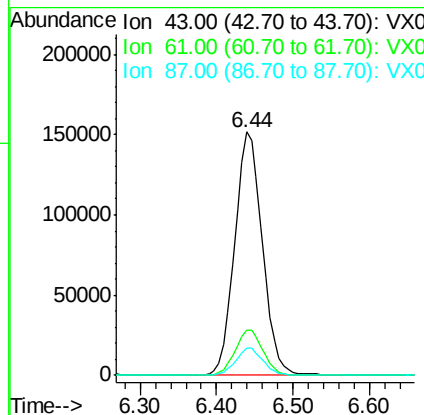
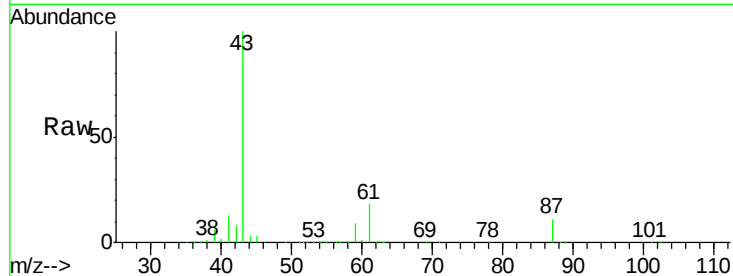
Isopropyl Acetate
 Concen: 56.199 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.2	9.0	13.4

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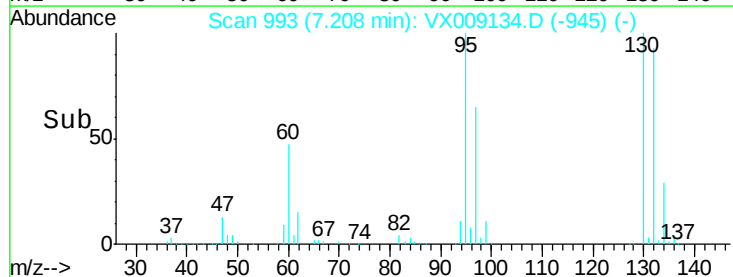
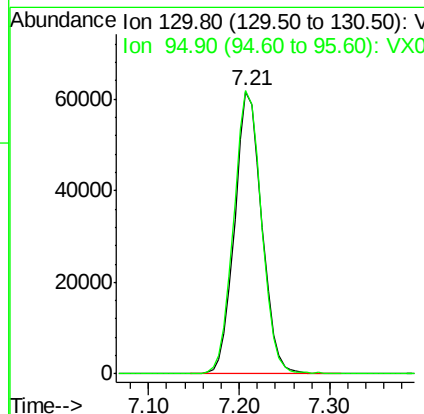
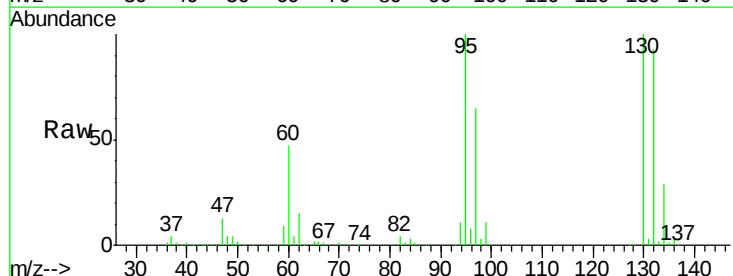
MMDadoda
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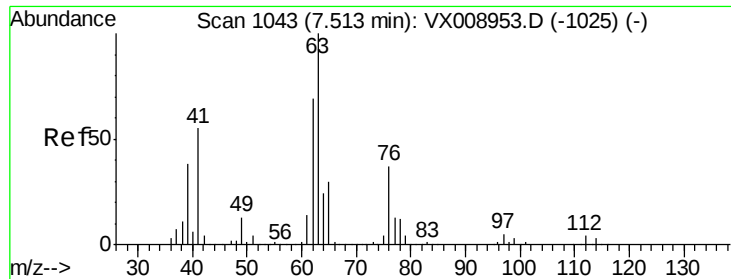


#44

Trichloroethene
 Concen: 54.841 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	203.2





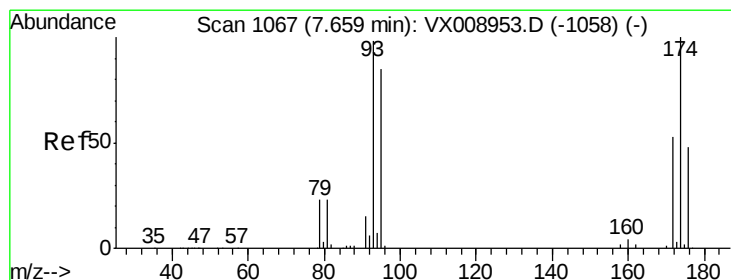
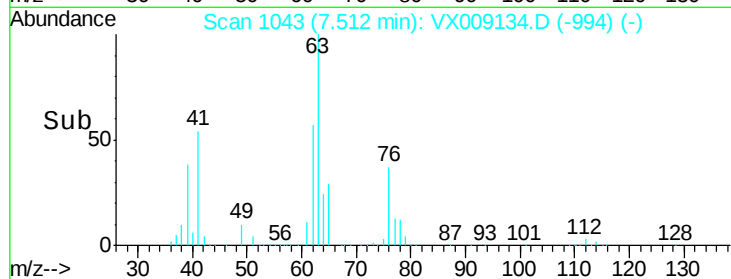
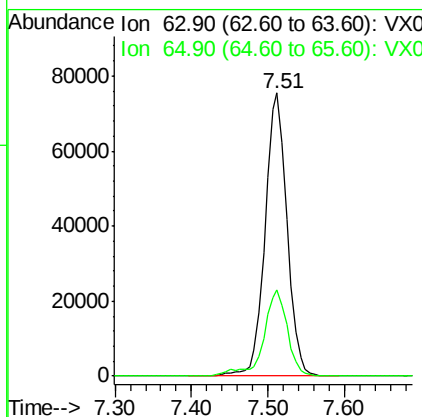
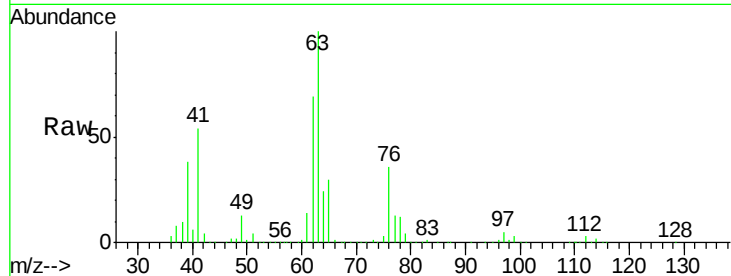
#45
 1,2-Dichloropropane
 Concen: 57.061 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 151219
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1

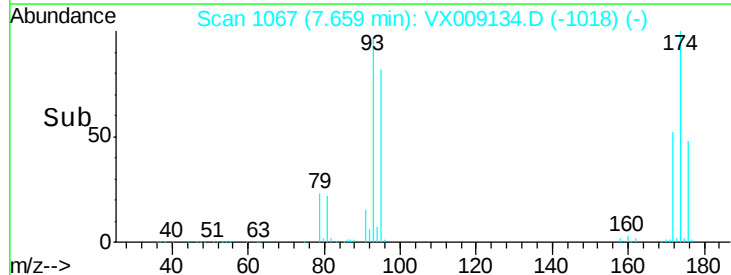
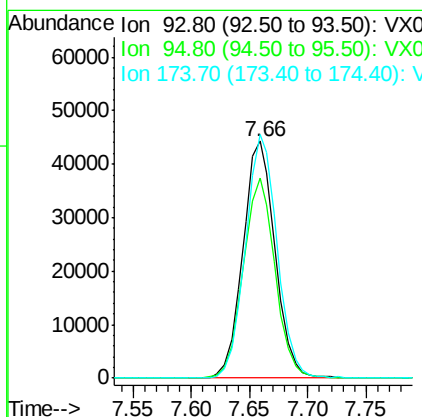
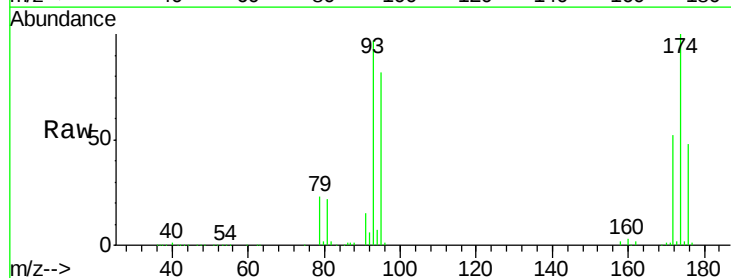
Manual Integrations
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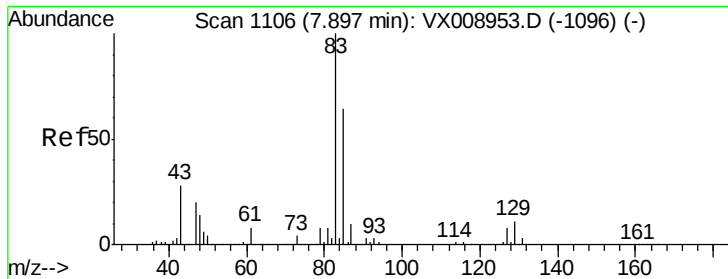
MMDadoda
 4/25/2019 12:34:08 PM



#46
 Dibromomethane
 Concen: 55.090 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion: 93 Resp: 84965
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.4
 174 101.7 81.6 122.4





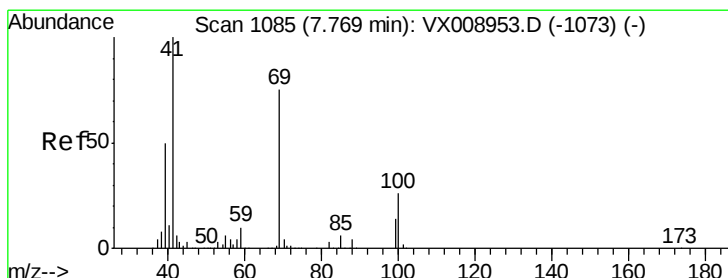
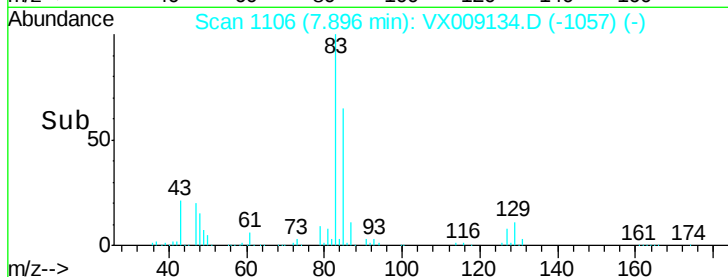
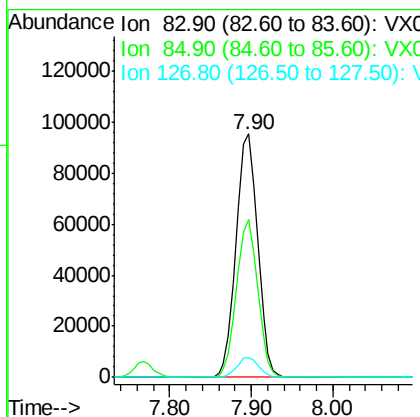
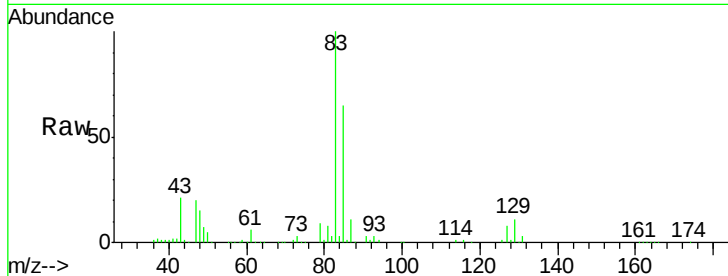
#47
Bromodichloromethane
Concen: 57.475 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	173864		
85	64.8	50.8	76.2	
127	8.1	6.4	9.6	

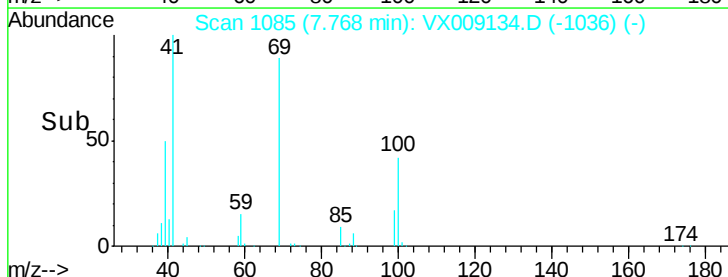
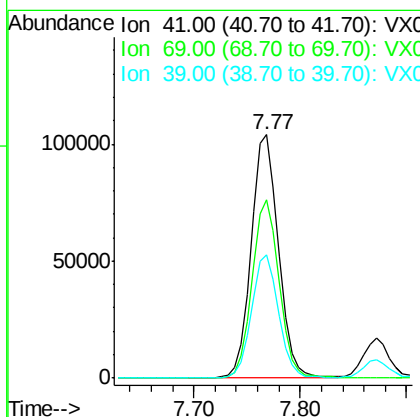
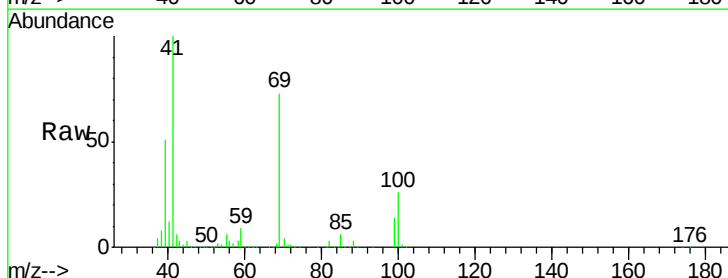
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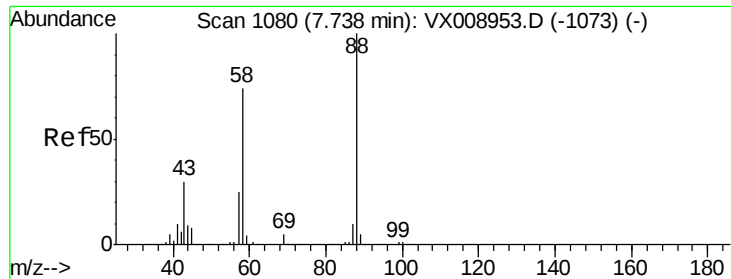
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#48
Methyl methacrylate
Concen: 56.492 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	187426		
69	73.1	59.4	89.2	
39	50.2	39.8	59.6	





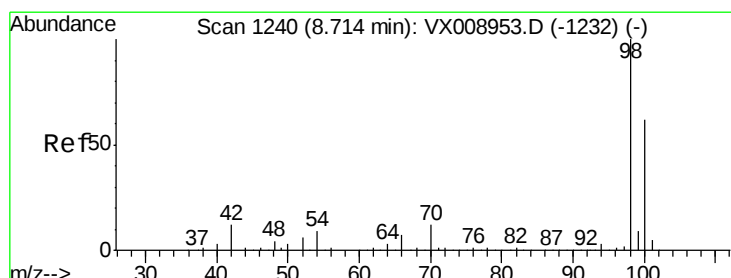
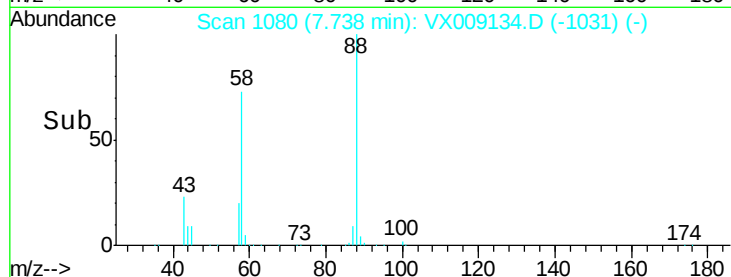
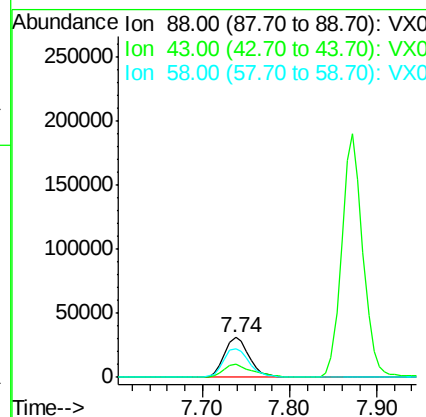
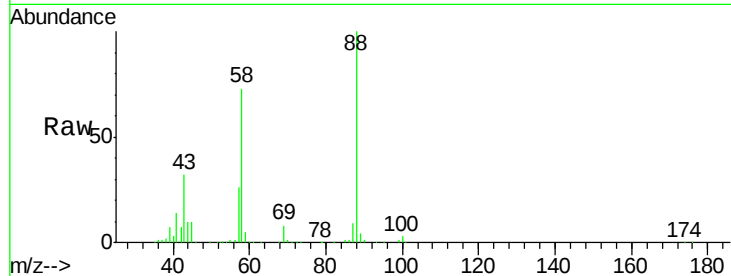
#49
1,4-Dioxane
Concen: 997.004 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.3	43.9
58	76.9	62.6	93.8

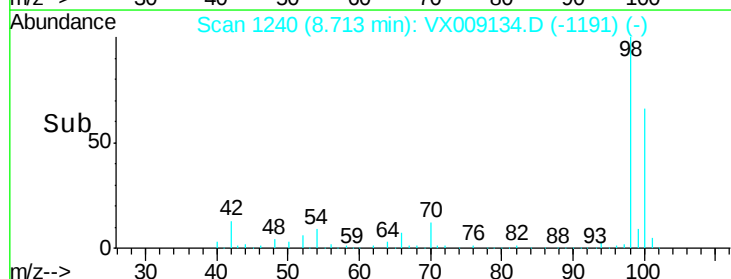
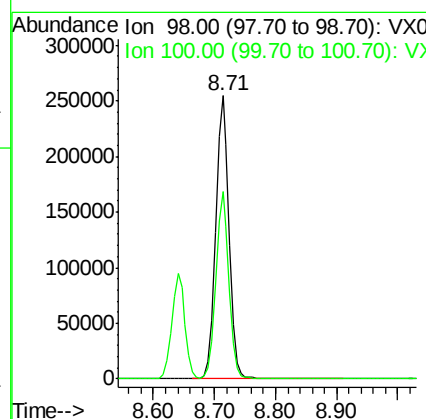
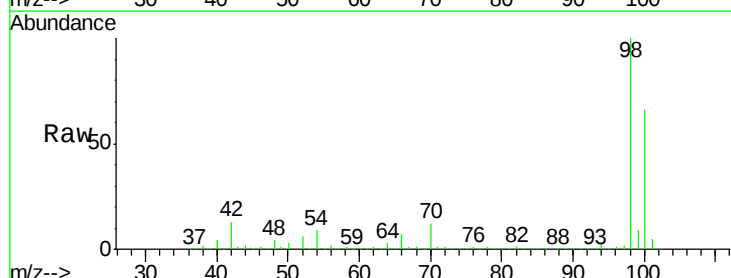
Manual Integrations
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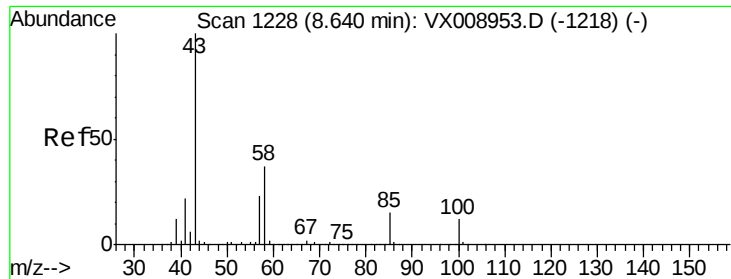
MMDadoda
4/25/2019 12:34:08 PM



#50
Toluene-d8
Concen: 49.582 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 271.422 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1161065

Ion Ratio Lower Upper

43 100

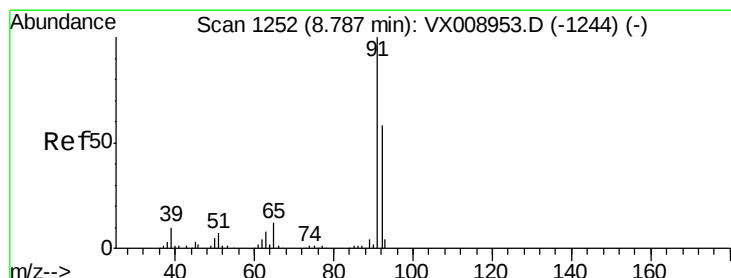
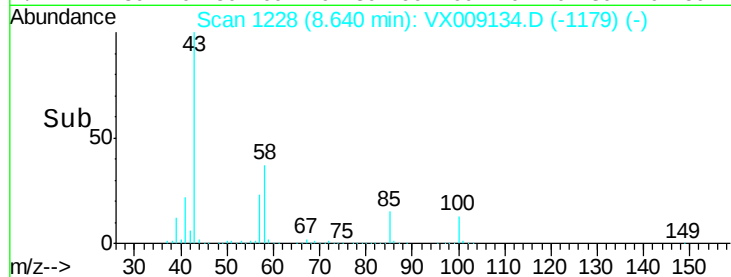
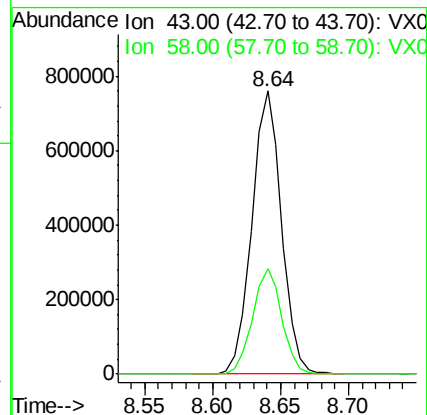
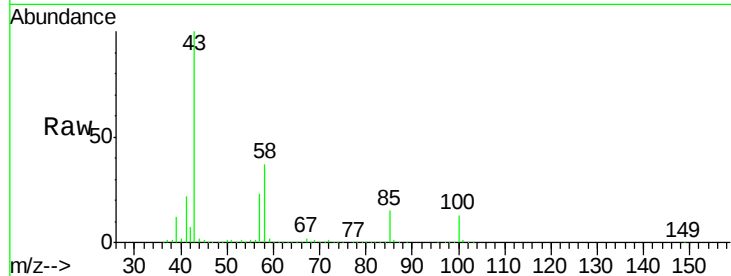
58 36.9 29.8 44.6

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#52

Toluene

Concen: 55.139 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009134.D

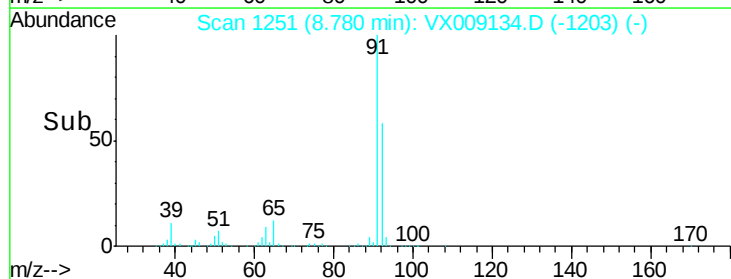
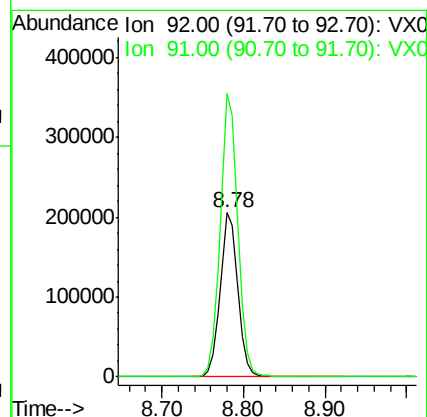
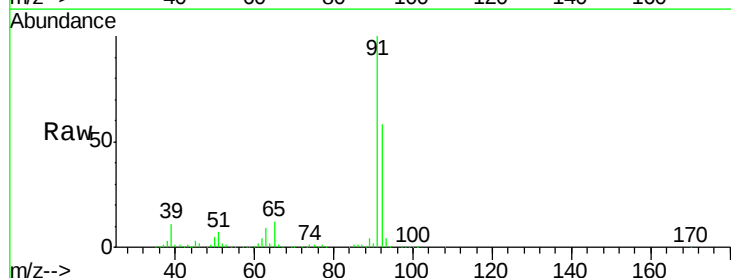
Acq: 24 Apr 2019 10:25

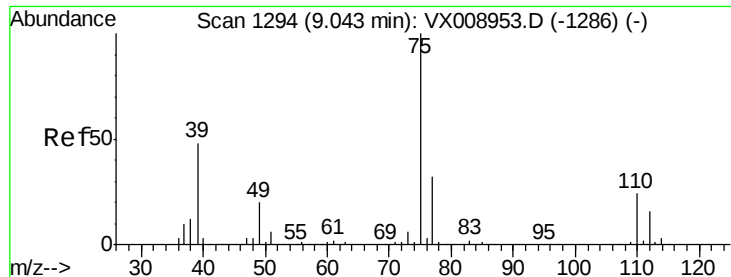
Tgt Ion: 92 Resp: 315674

Ion Ratio Lower Upper

92 100

91 172.3 138.5 207.7





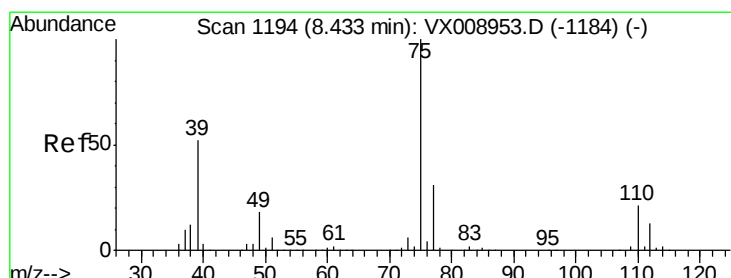
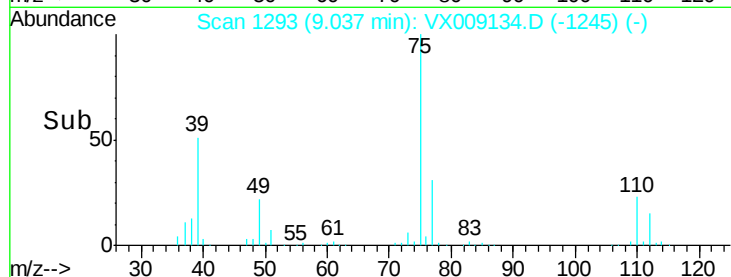
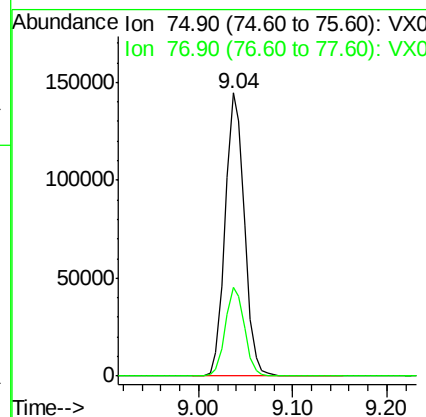
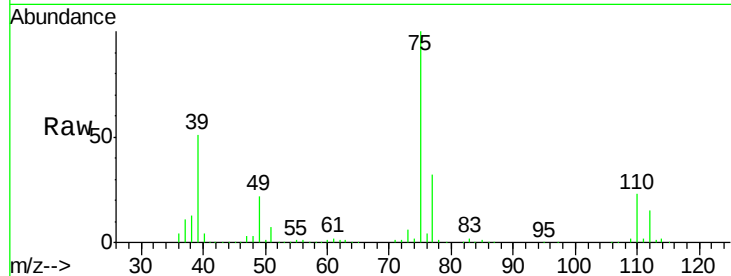
#53
t-1,3-Dichloropropene
Concen: 58.663 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 204230
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2

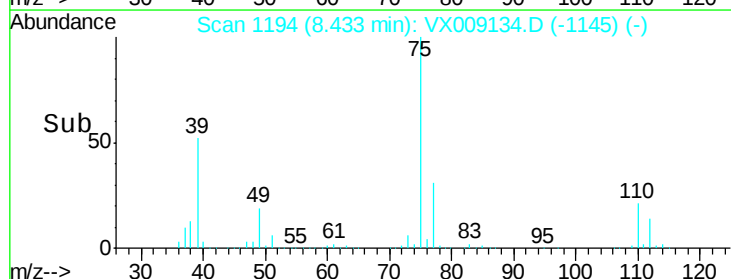
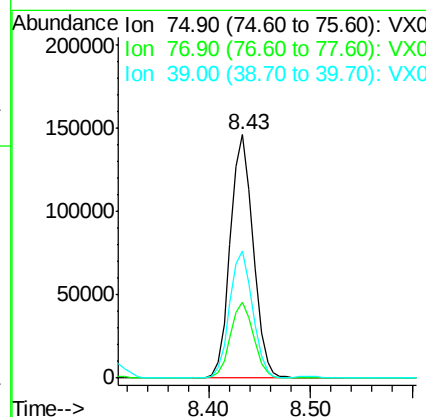
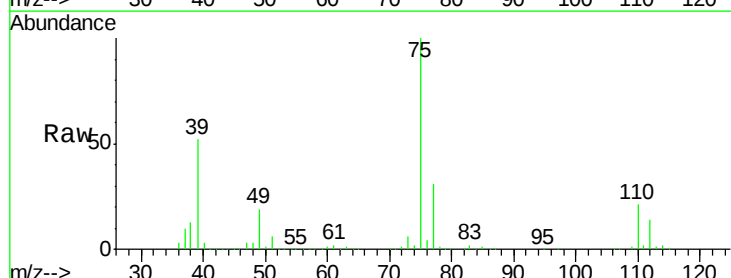
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#54
cis-1,3-Dichloropropene
Concen: 58.152 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion: 75 Resp: 226686
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 52.1 41.8 62.6





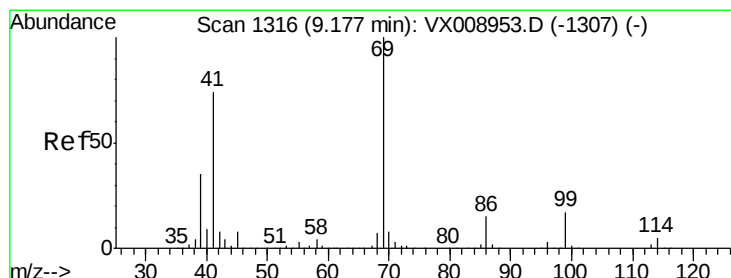
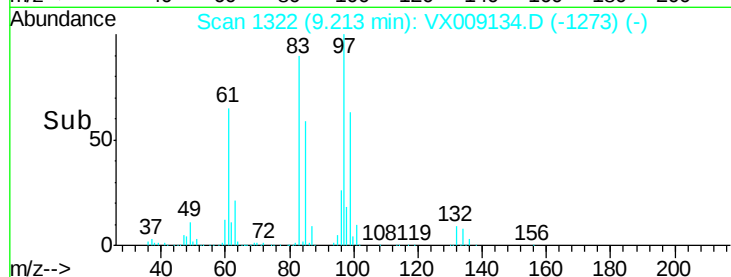
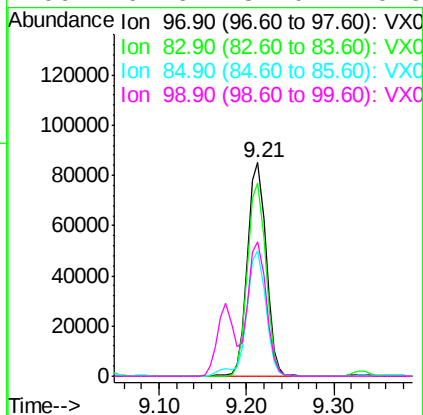
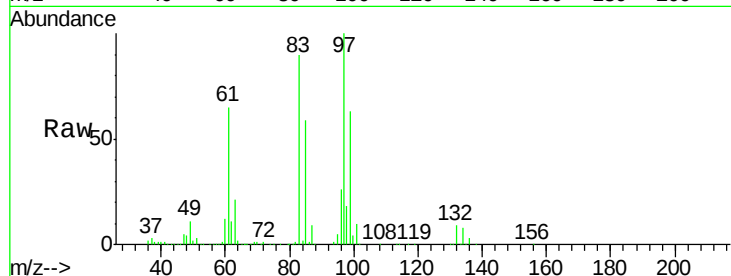
#55
 1,1,2-Trichloroethane
 Concen: 55.884 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	126800
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.6	108.8
85	59.0	46.9	70.3
99	62.6	51.0	76.6

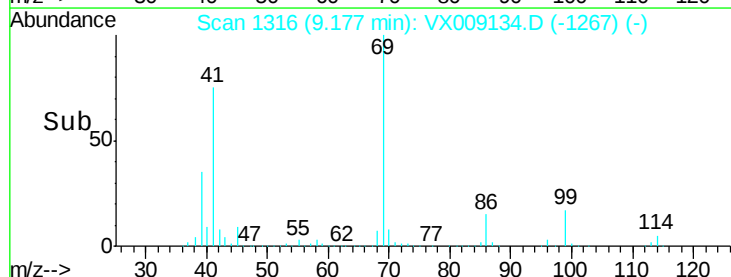
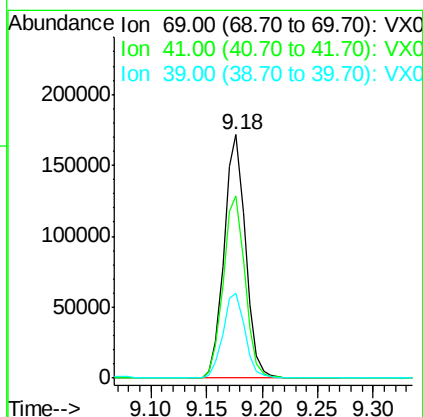
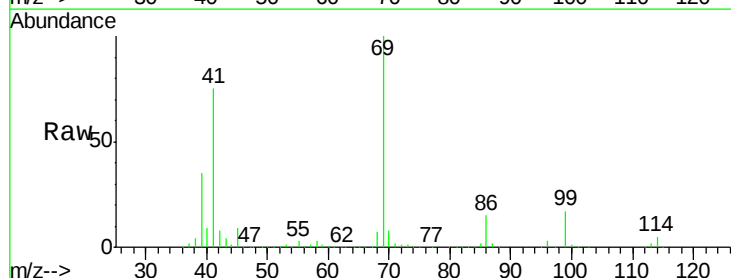
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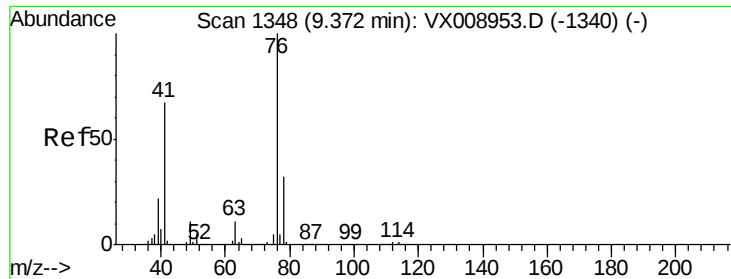
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#56
 Ethyl methacrylate
 Concen: 56.135 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion:	69	Resp:	228384
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.2	90.2
39	35.9	27.9	41.9





#57

1,3-Dichloropropane

Concen: 56.064 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 226496

Ion Ratio Lower Upper

76 100

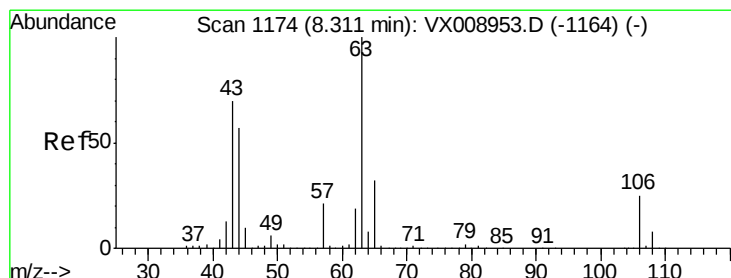
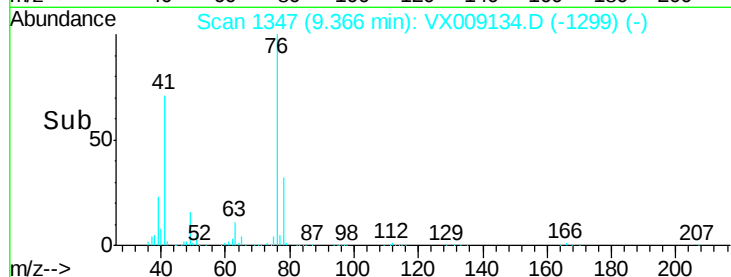
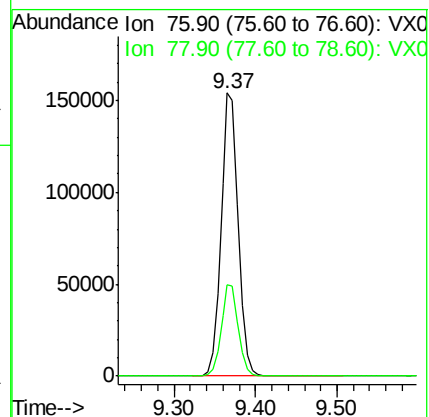
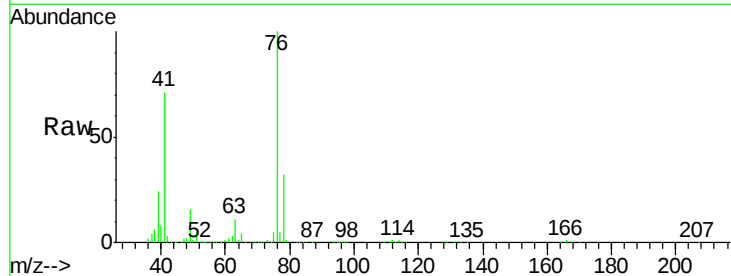
78 31.9 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 293.355 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009134.D

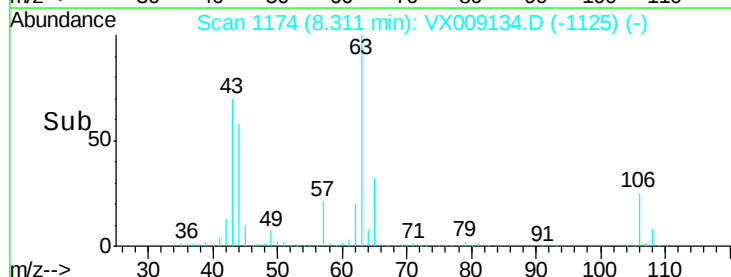
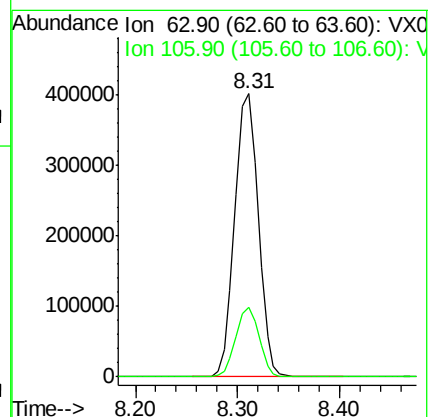
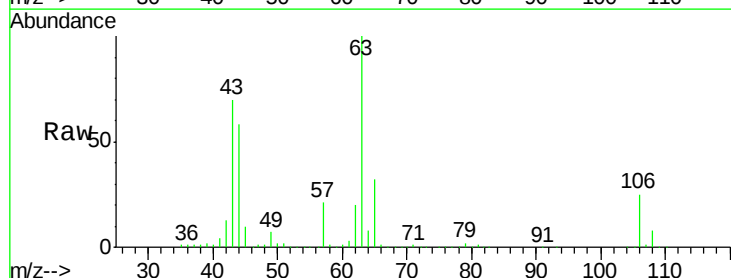
Acq: 24 Apr 2019 10:25

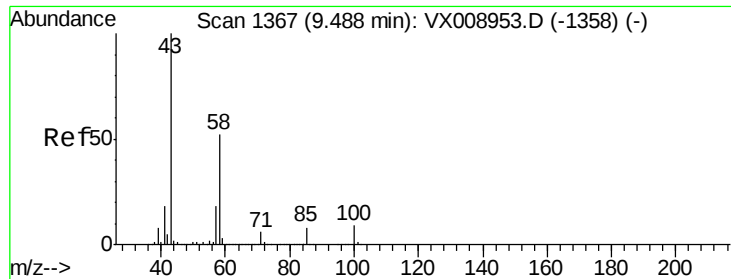
Tgt Ion: 63 Resp: 642712

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.6





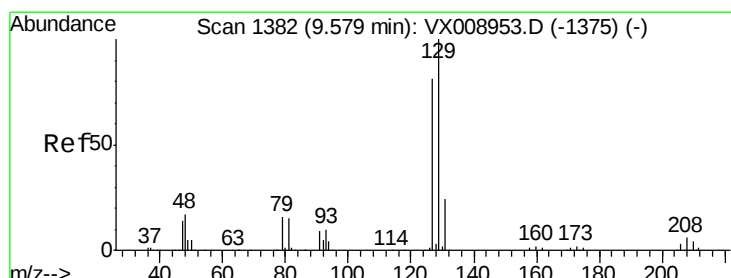
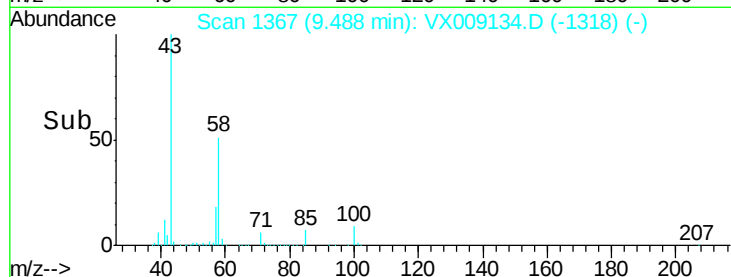
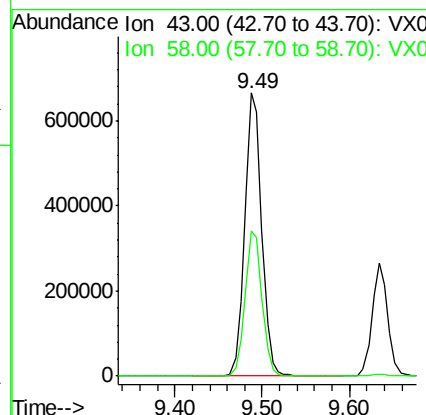
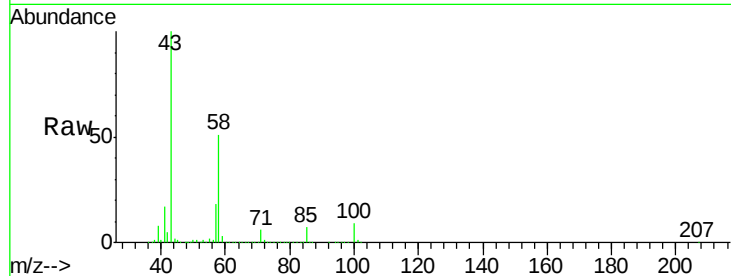
#59
2-Hexanone
Concen: 274.026 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 903746
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.8

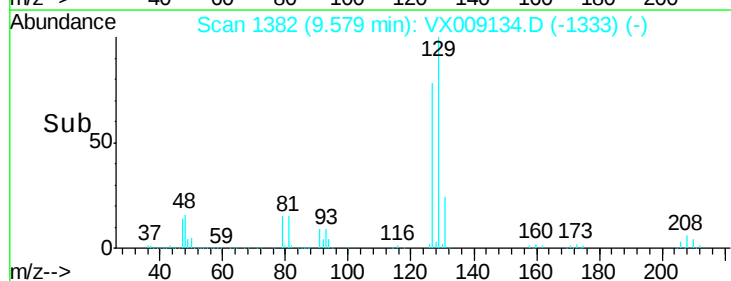
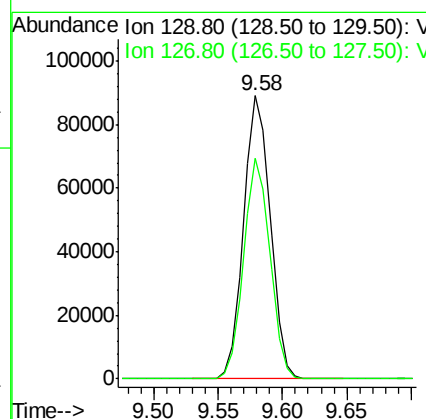
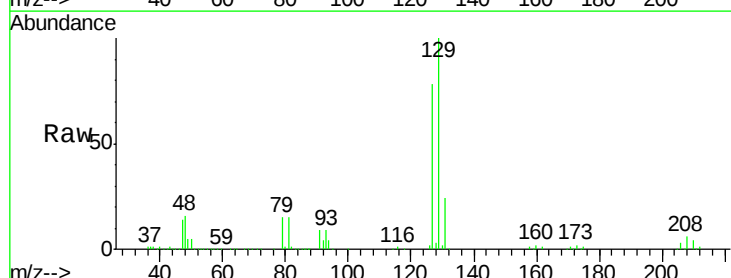
Manual Integrations
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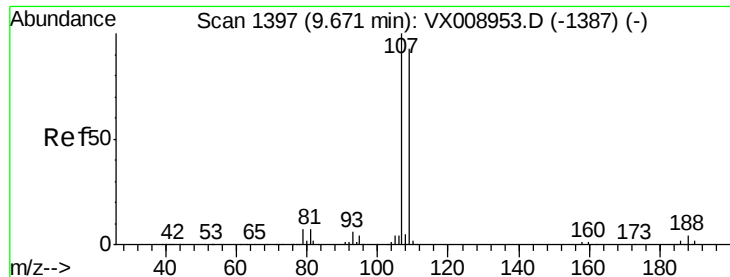
MMDadoda
4/25/2019 12:34:08 PM



#60
Dibromochloromethane
Concen: 58.782 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion: 129 Resp: 127828
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 55.824 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 130728

Ion Ratio Lower Upper

107 100

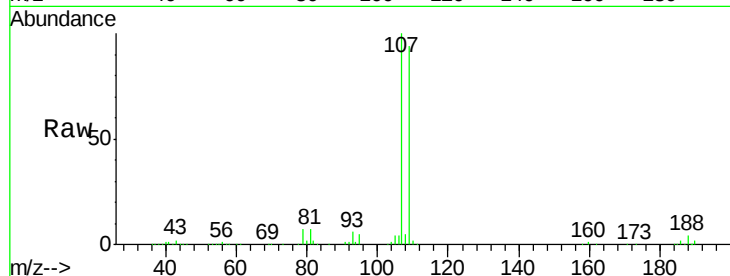
109 93.6 74.4 111.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

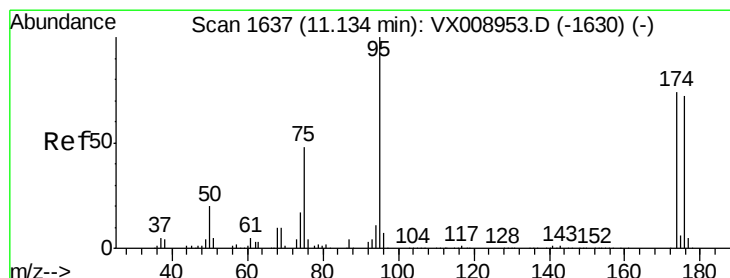
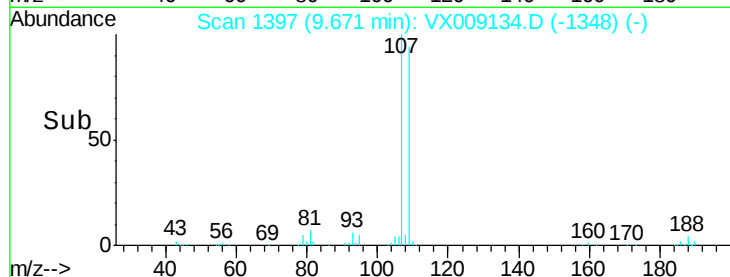
60000

40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 50.861 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

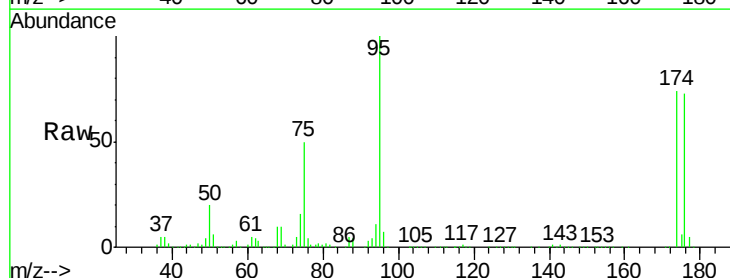
Tgt Ion: 95 Resp: 143875

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.6

176 77.6 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

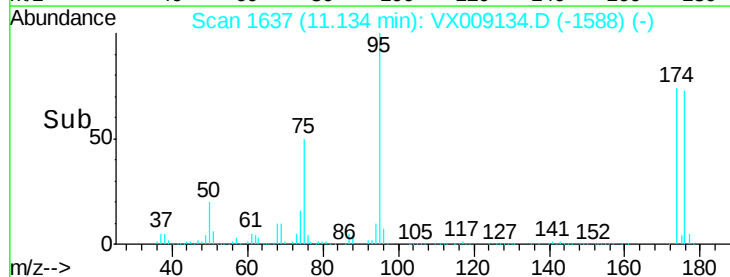
150000

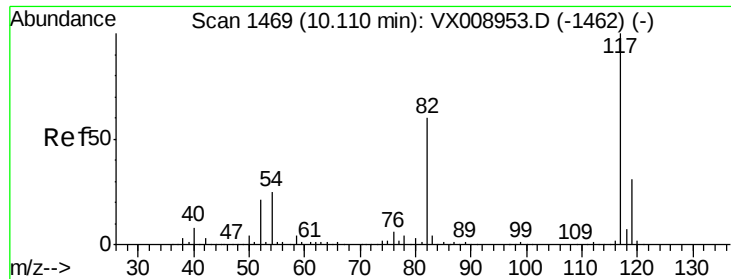
100000

50000

0

Time--> 11.10 11.15 11.20





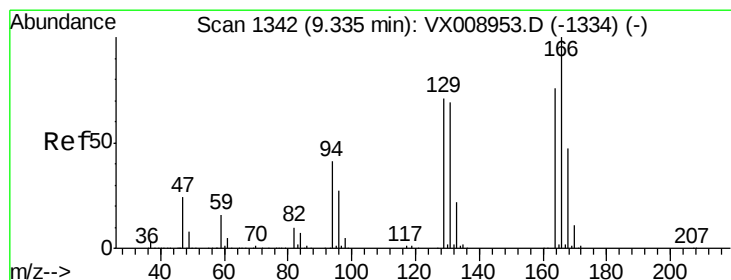
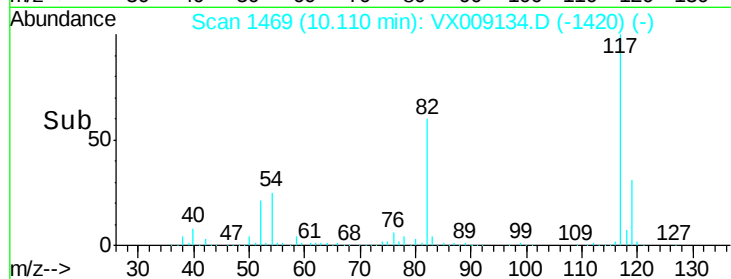
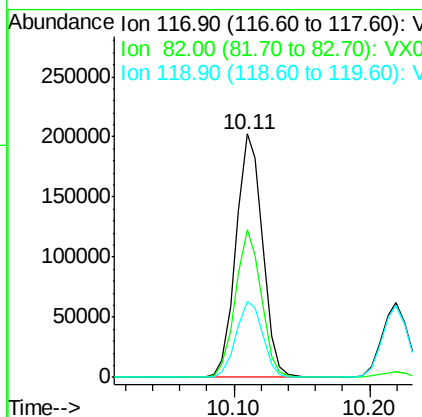
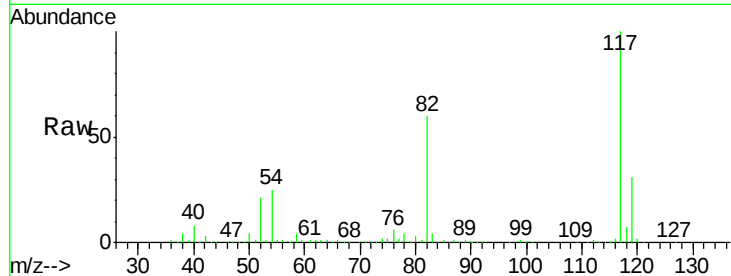
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	273504		
82	60.4	48.2	72.4	
119	31.0	25.0	37.6	

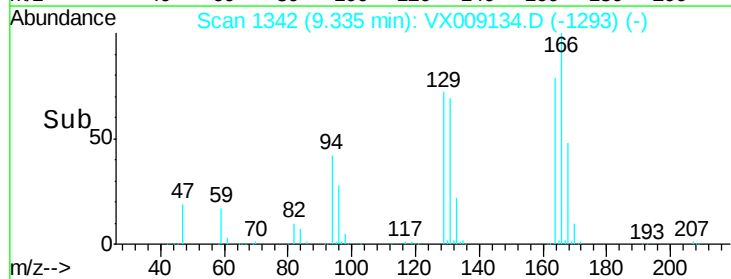
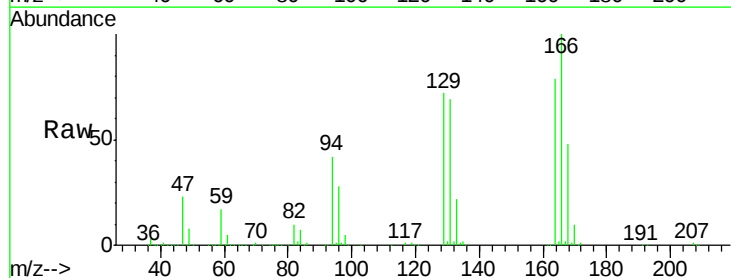
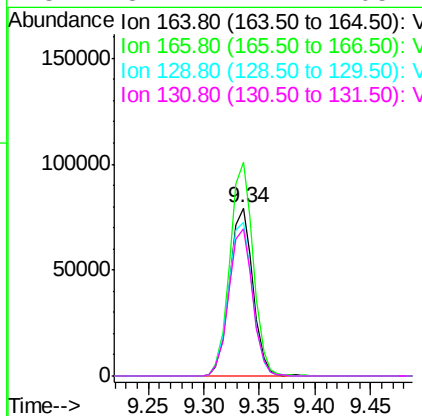
Manual Integrations
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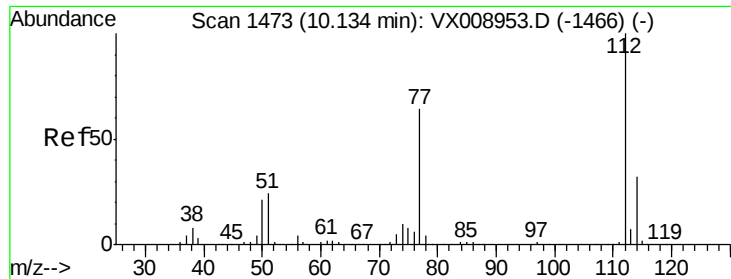
MMDadoda
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#64
Tetrachloroethene
Concen: 55.334 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114971		
166	127.2	105.0	157.4	
129	91.2	74.2	111.4	
131	87.7	72.2	108.2	





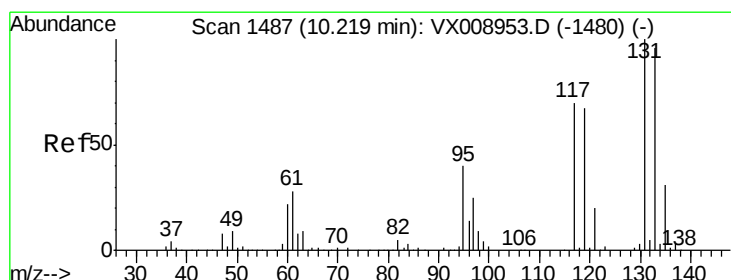
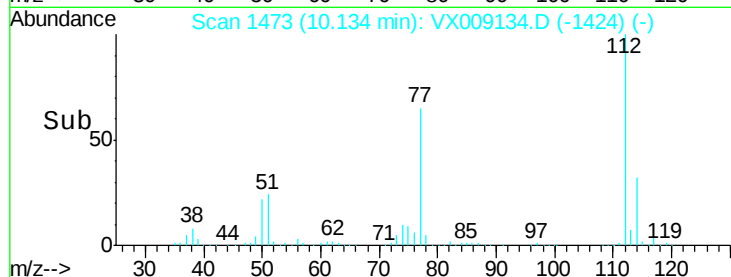
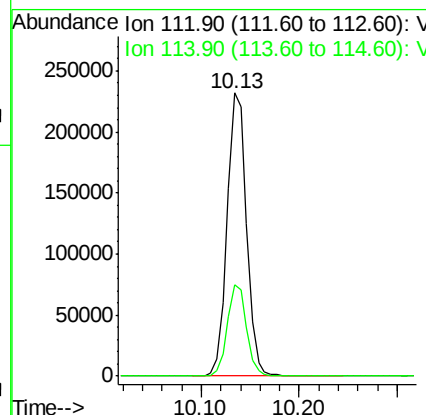
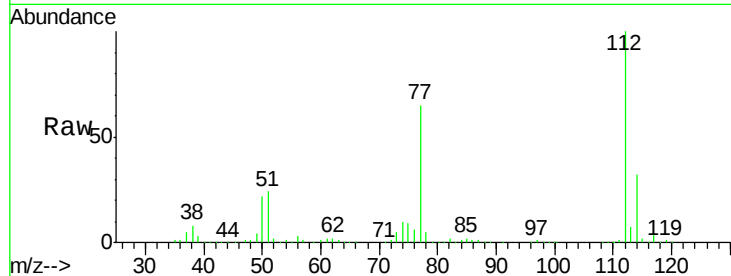
#65
Chlorobenzene
Concen: 55.166 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 318468
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0

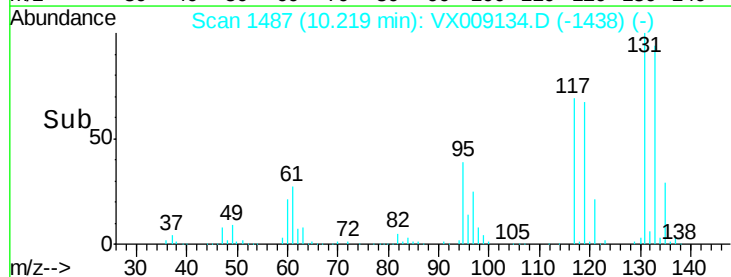
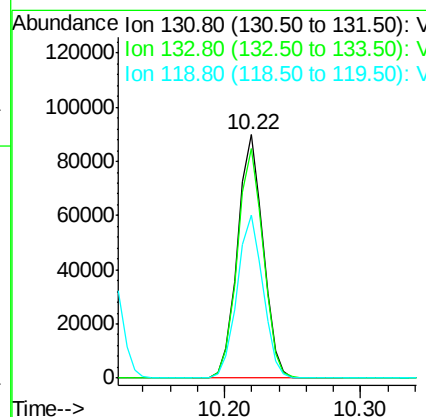
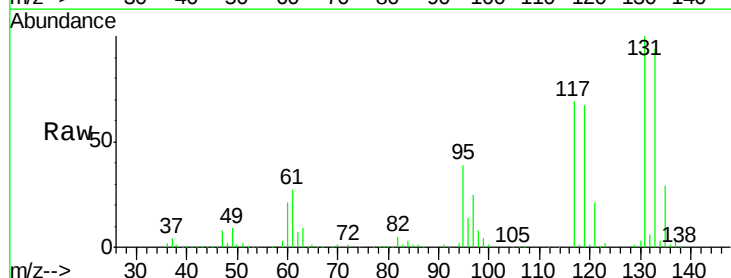
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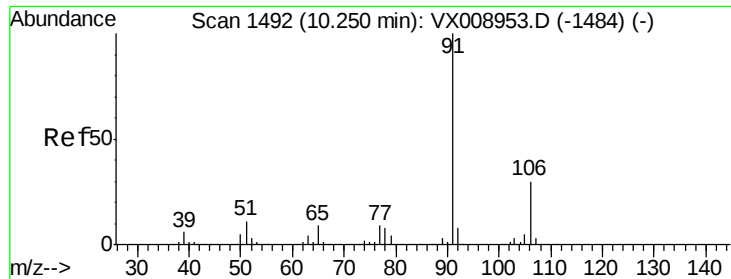
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.853 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion:131 Resp: 117656
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 67.8 33.7 101.1





#67

Ethyl Benzene

Concen: 57.405 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 605803

Ion Ratio Lower Upper

91 100

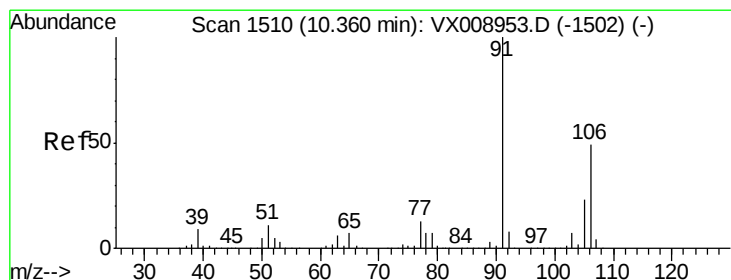
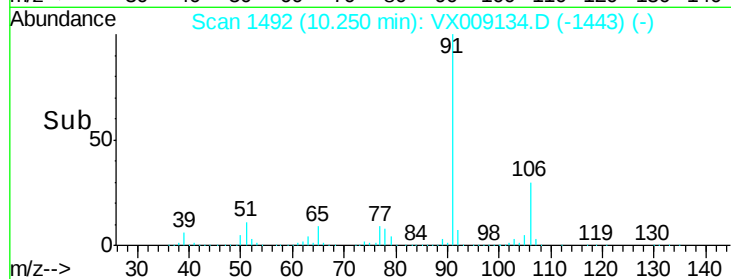
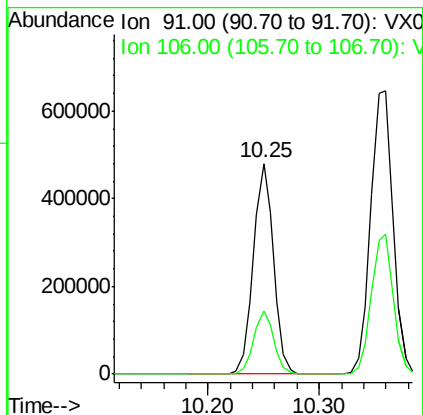
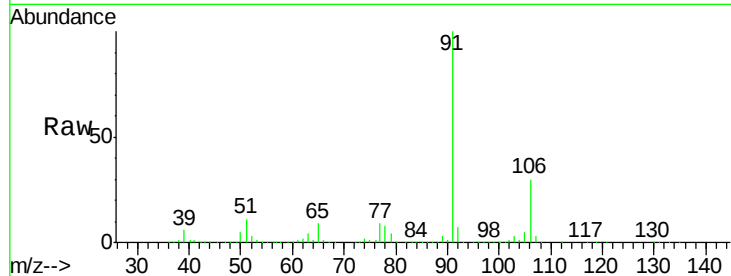
106 30.0 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 114.605 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009134.D

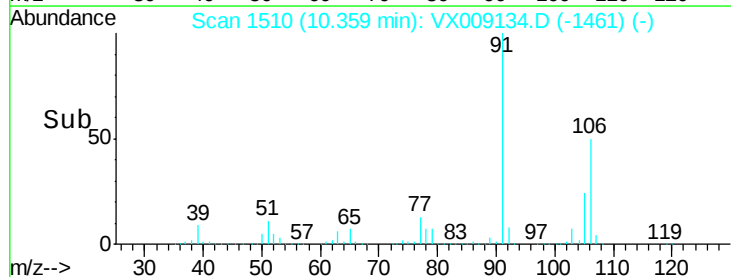
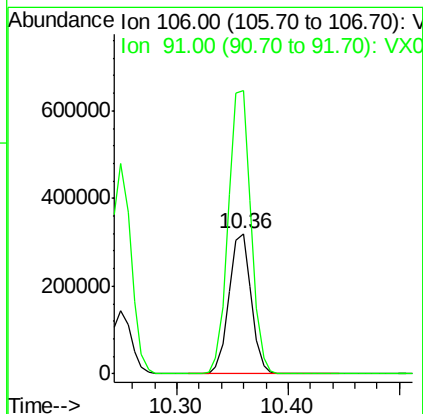
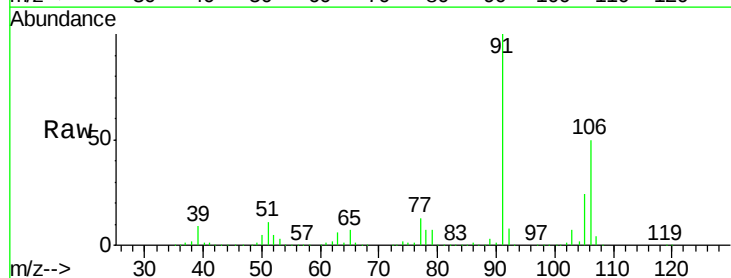
Acq: 24 Apr 2019 10:25

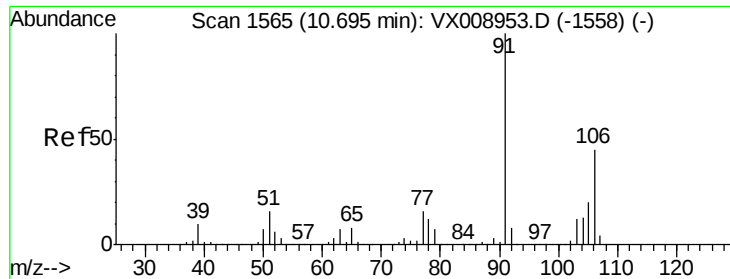
Tgt Ion: 106 Resp: 439543

Ion Ratio Lower Upper

106 100

91 207.3 165.4 248.2





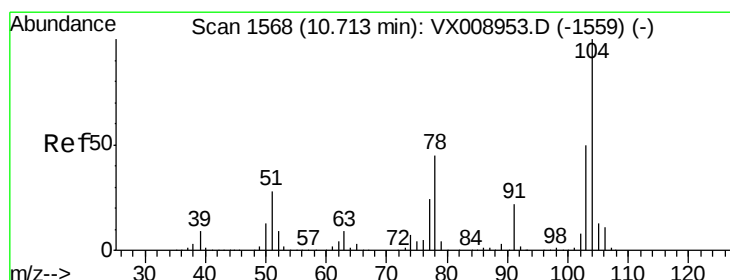
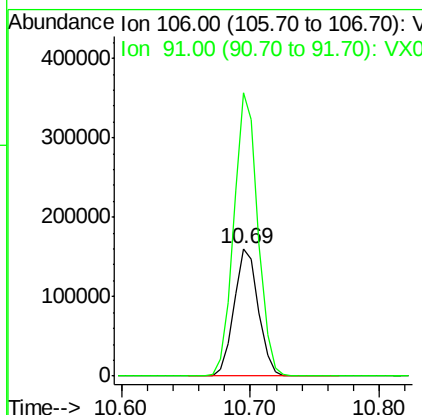
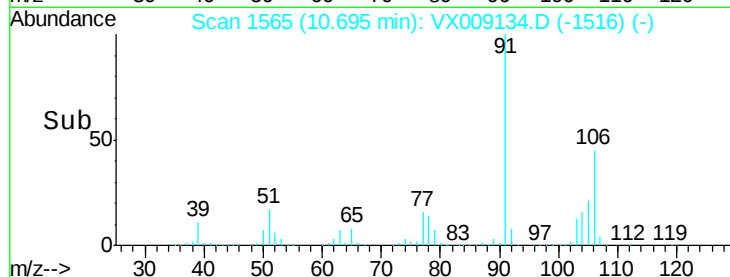
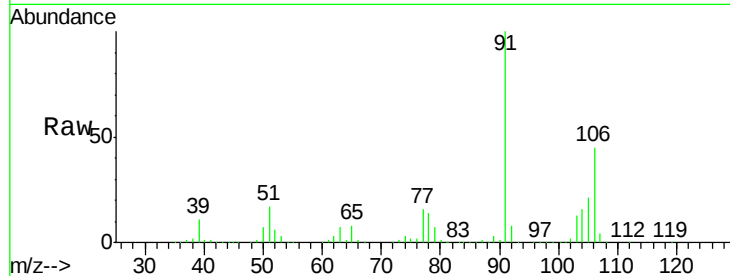
#69
o-Xylene
Concen: 56.321 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 210177
Ion Ratio Lower Upper
106 100
91 219.9 108.9 326.7

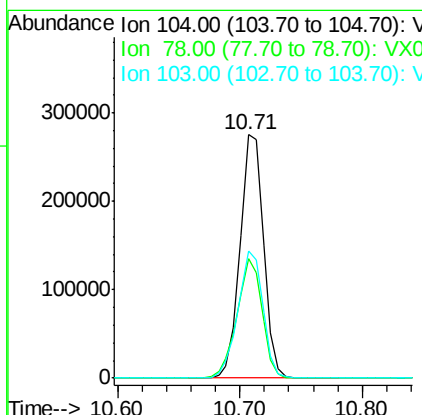
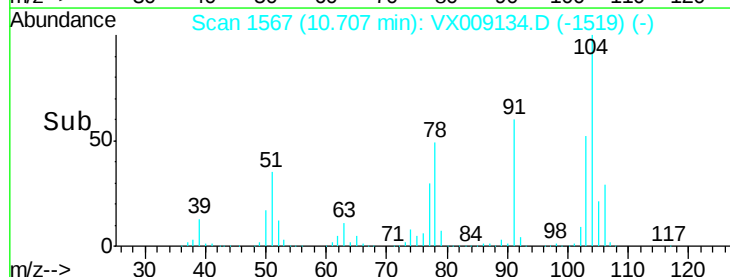
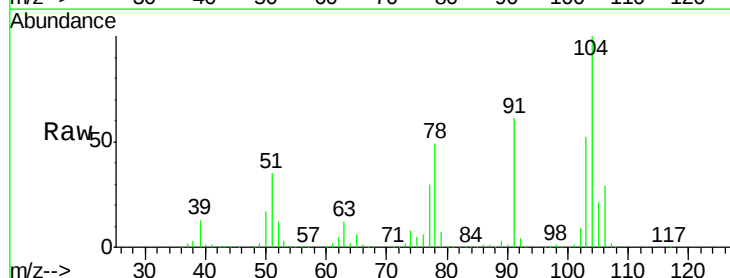
Manual Integrations
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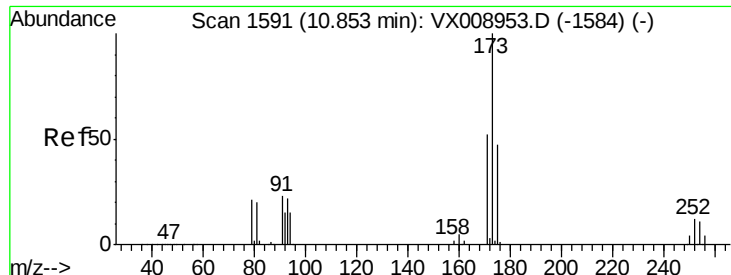
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#70
Styrene
Concen: 56.529 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion:104 Resp: 365567
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.5 43.9 65.9





#71

Bromoform

Concen: 57.787 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 93629

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.8

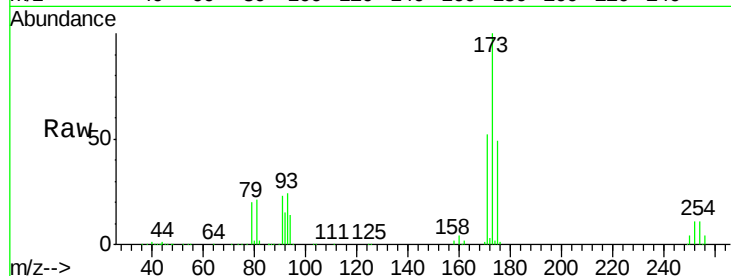
254 0.1 0.2 0.4#

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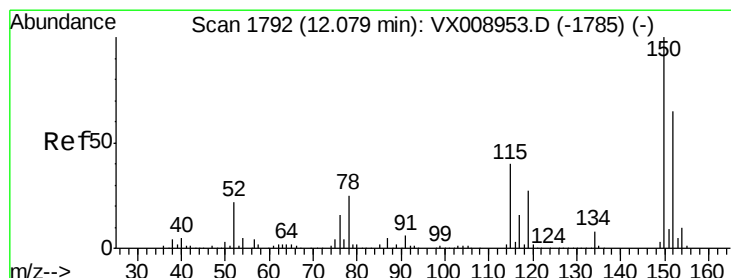
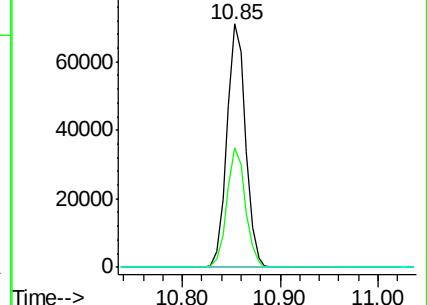
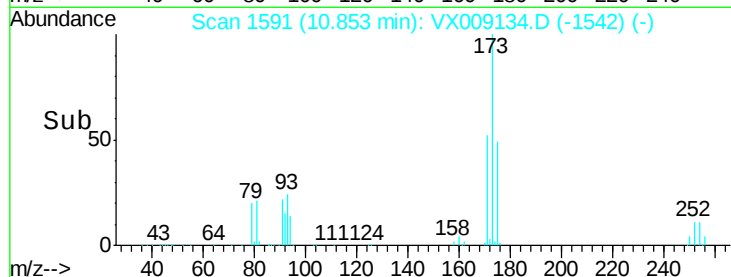
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

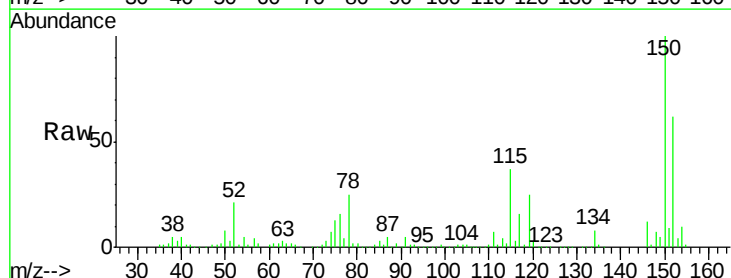
Tgt Ion:152 Resp: 132333

Ion Ratio Lower Upper

152 100

115 86.4 41.4 124.2

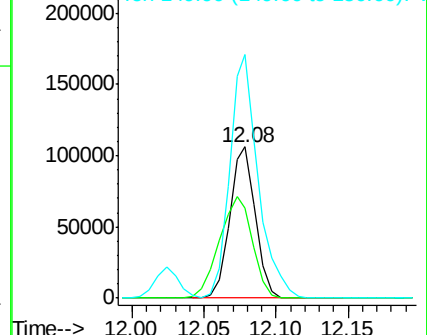
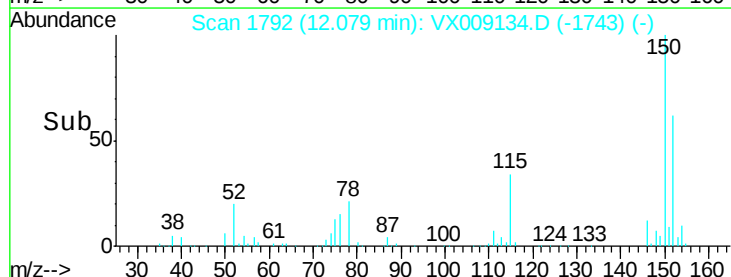
150 178.4 0.0 349.8

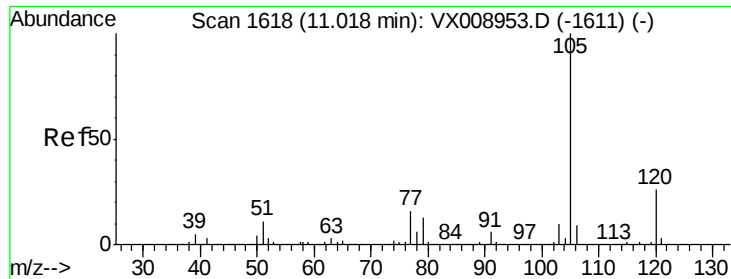


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.227 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 574031

Ion Ratio Lower Upper

105 100

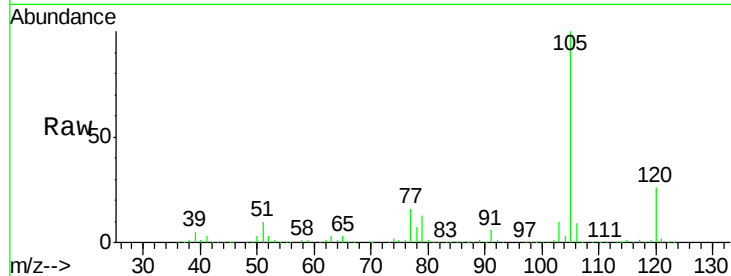
120 25.9 12.9 38.7

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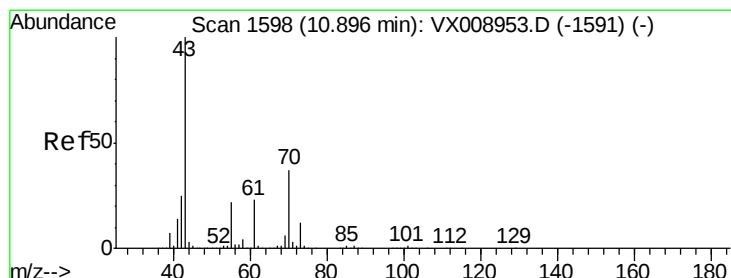
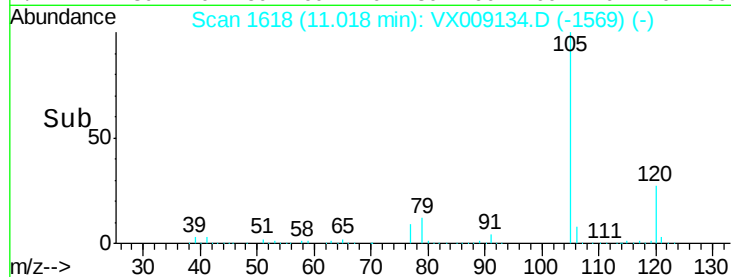
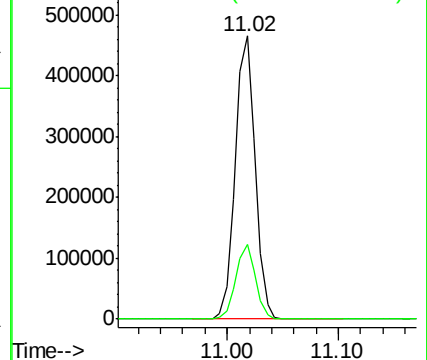
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.891 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion: 43 Resp: 321897

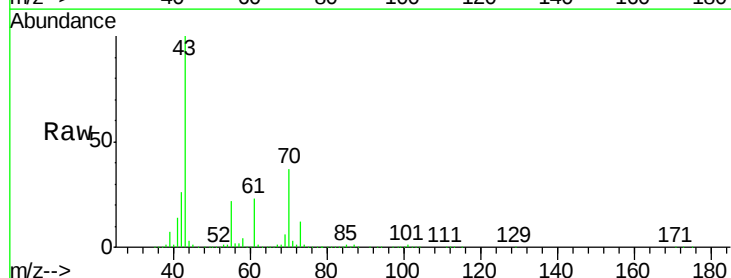
Ion Ratio Lower Upper

43 100

70 37.2 29.9 44.9

55 22.5 17.8 26.8

61 22.6 18.3 27.5

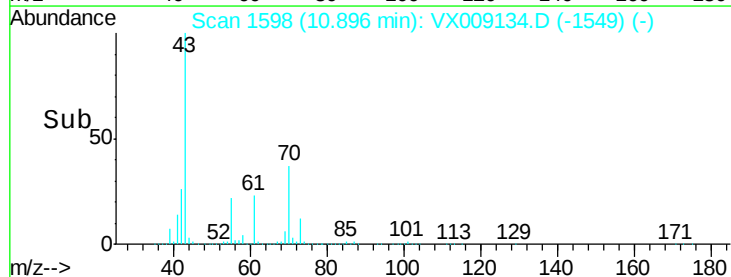
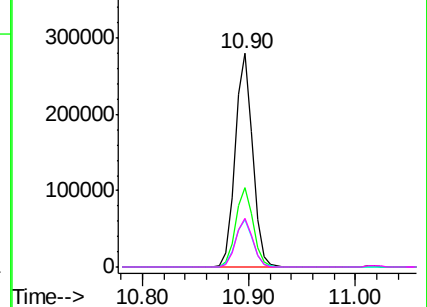


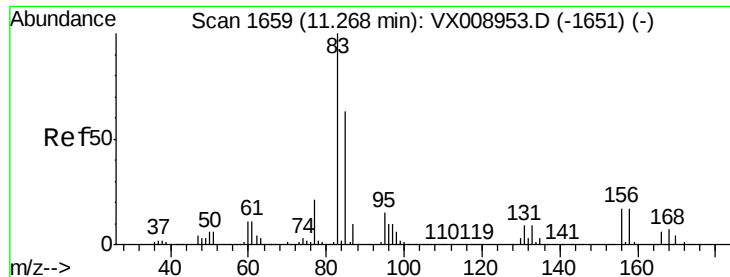
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.346 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

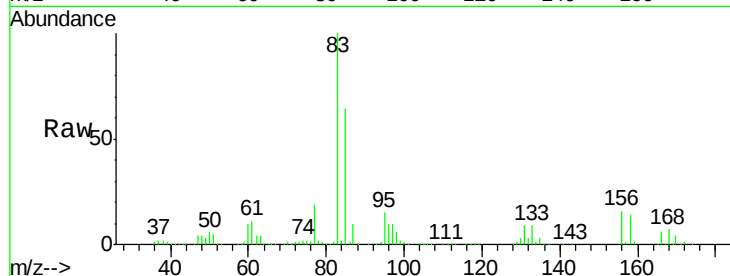
ClientSampleId :

VSTDCCC050

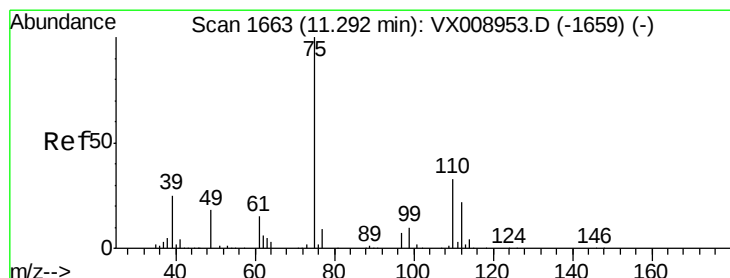
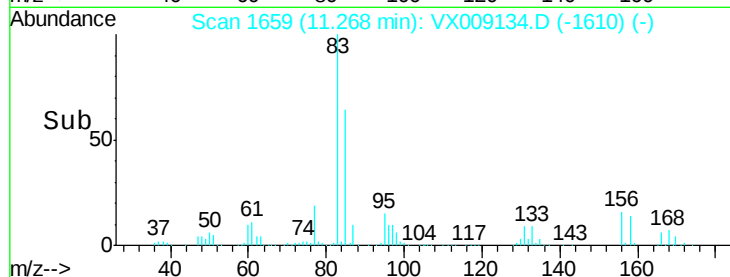
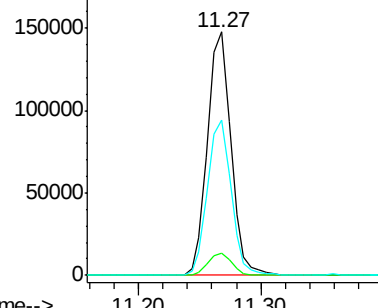
Tot Ion:	83	Resp:	195515
Ion Ratio		Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.5	31.9	95.9

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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: 53.403 ug/l m

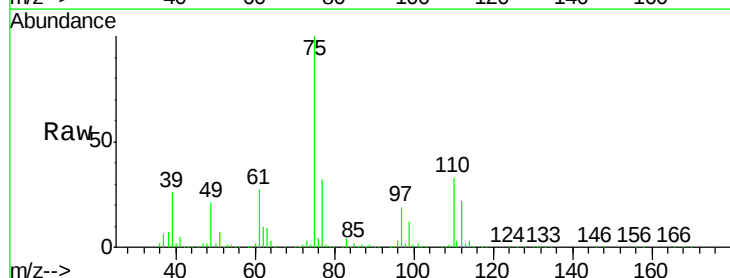
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

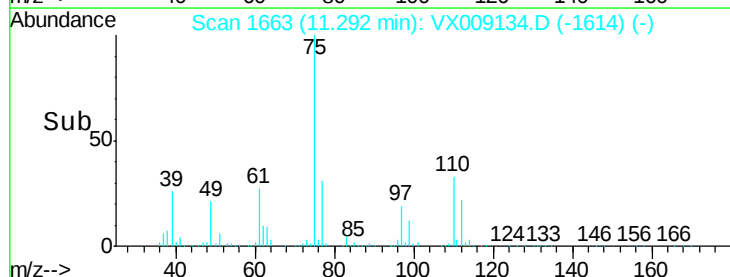
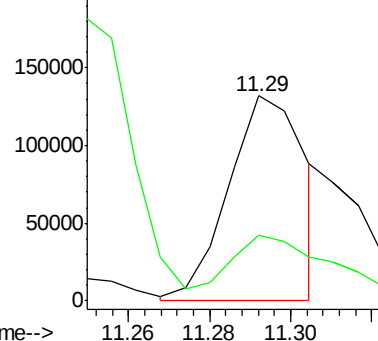
Lab File: VX009134.D

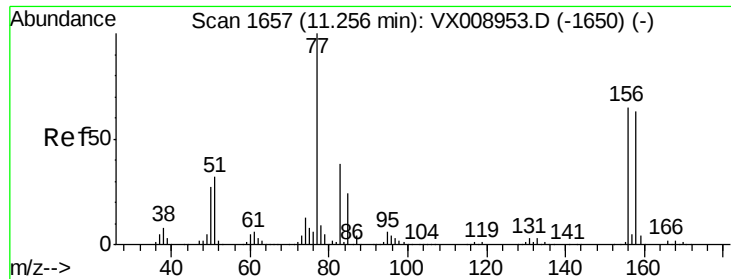
Acq: 24 Apr 2019 10:25

Tgt Ion:	75	Resp:	172562
Ion Ratio		Lower	Upper
75	100		
77	43.9	22.7	68.0



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





#77

Bromobenzene

Concen: 54.397 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 137670

Ion Ratio Lower Upper

156 100

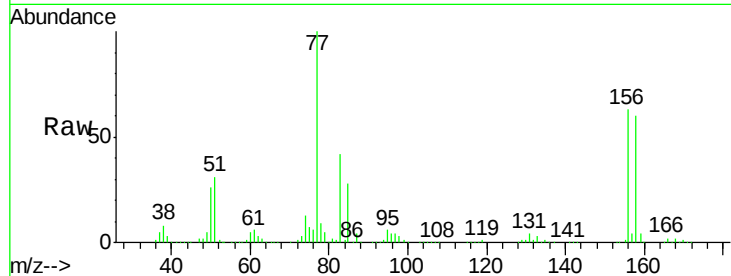
77 169.7 85.4 256.1

158 95.2 48.8 146.4

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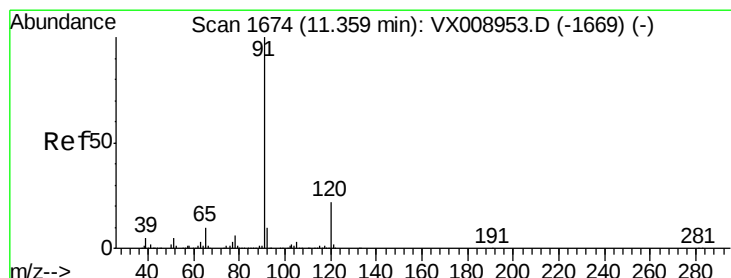
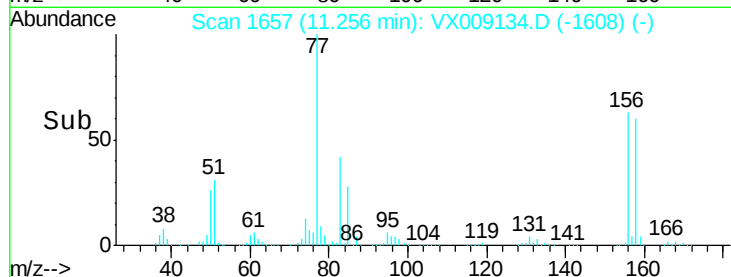
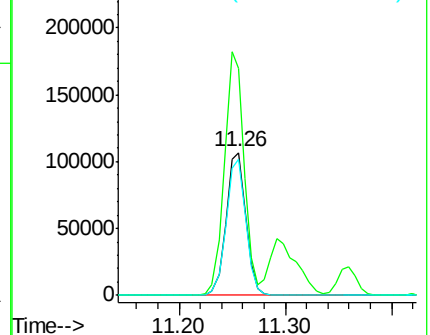
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.100 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009134.D

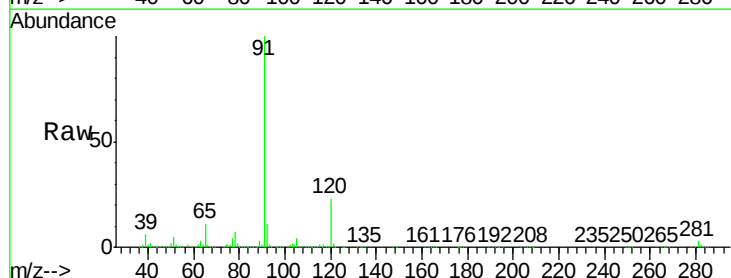
Acq: 24 Apr 2019 10:25

Tgt Ion: 91 Resp: 668904

Ion Ratio Lower Upper

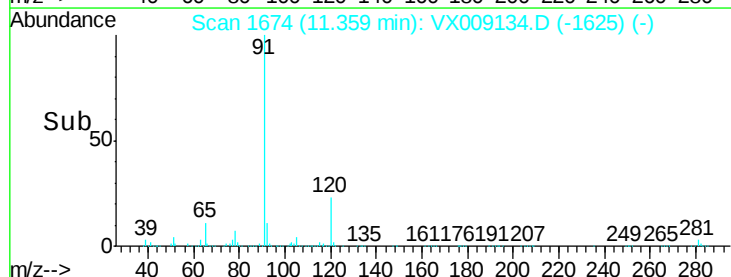
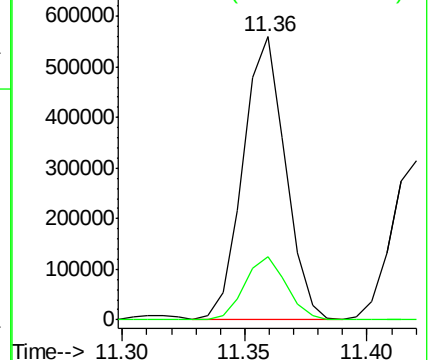
91 100

120 22.4 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





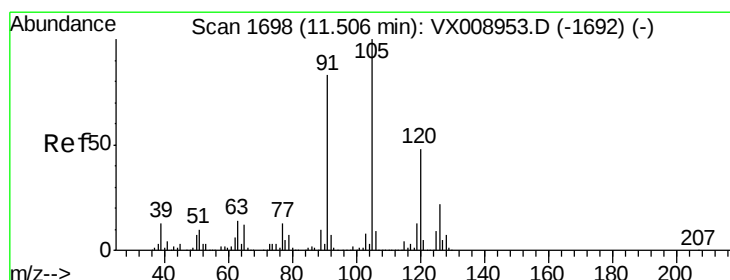
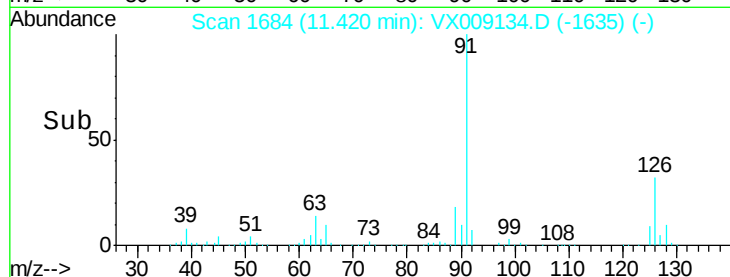
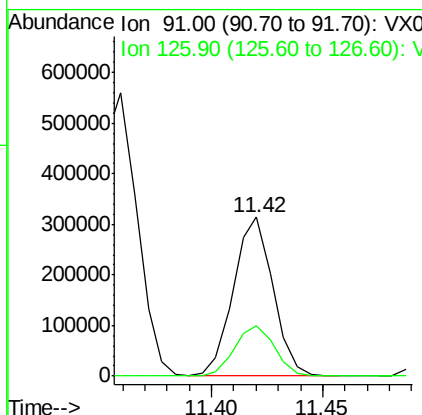
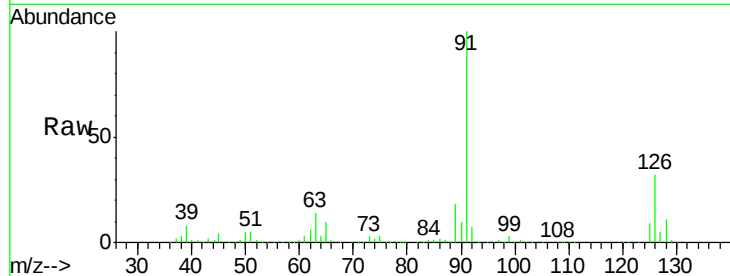
#79
 2-Chlorotoluene
 Concen: 55.892 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 387764
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.3 48.9

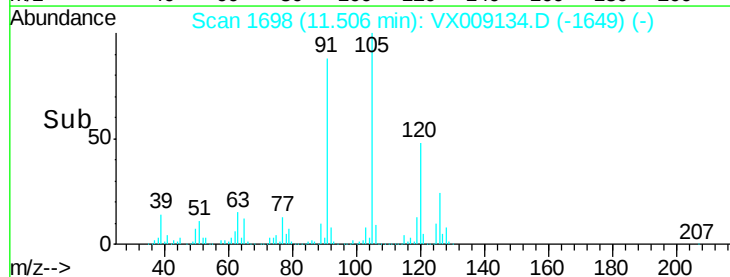
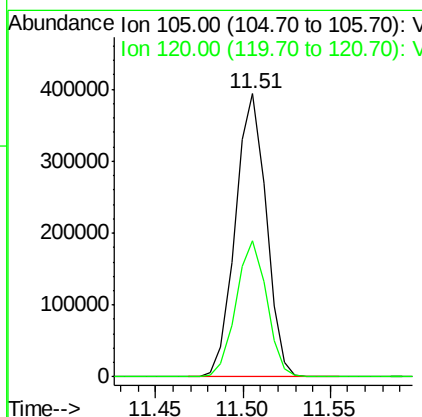
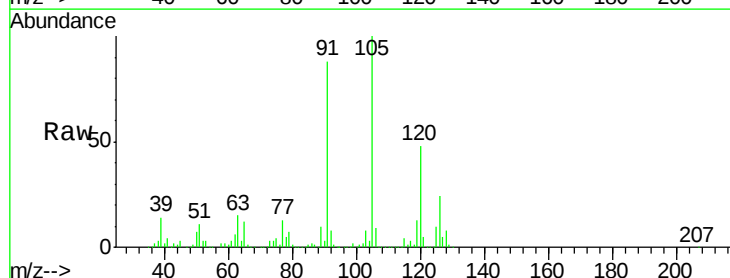
Manual Integrations
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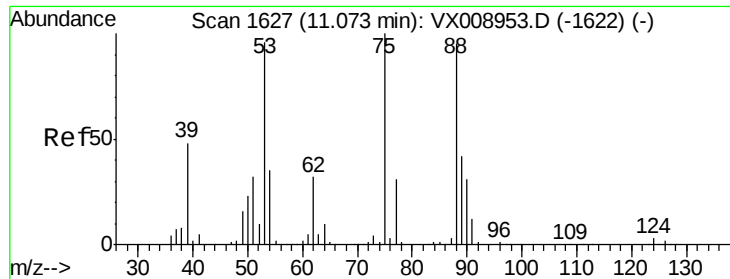
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 57.415 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion: 105 Resp: 483279
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3





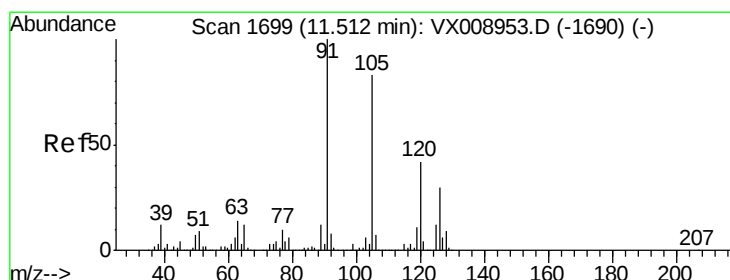
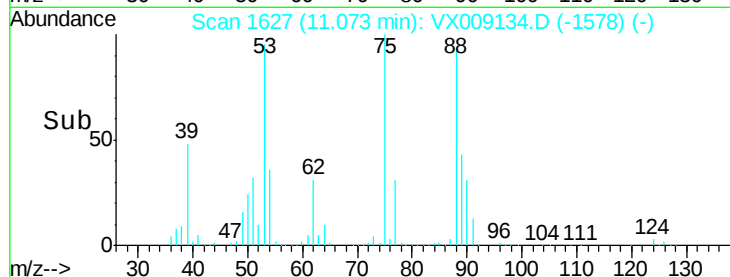
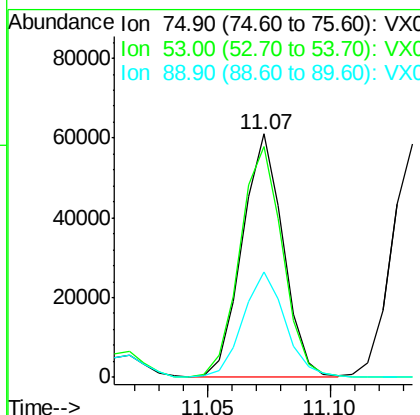
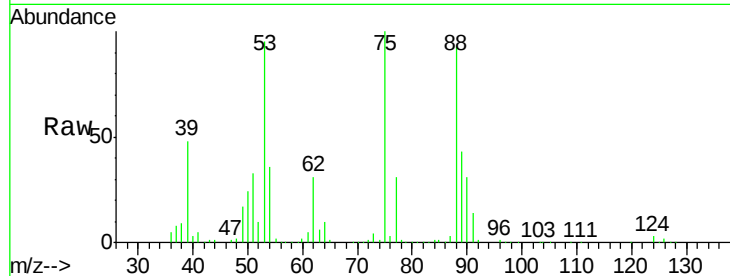
#81
trans-1,4-Dichloro-2-butene
Concen: 56.085 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	78.2	117.4
89	44.9	36.0	54.0

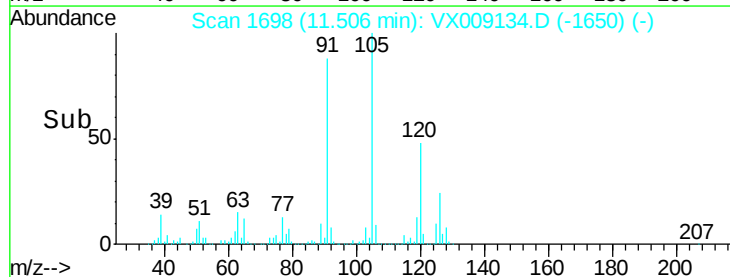
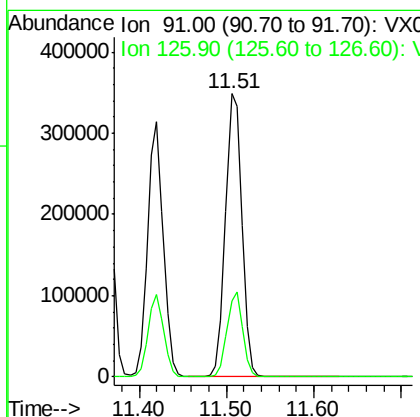
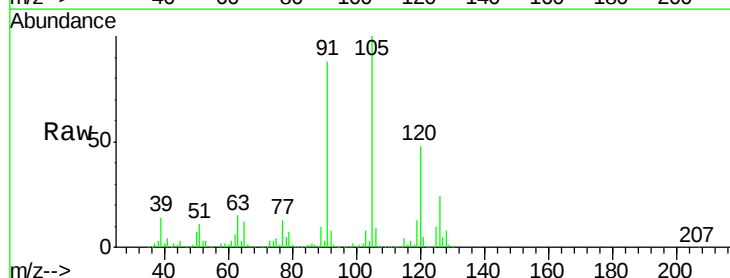
Manual Integrations
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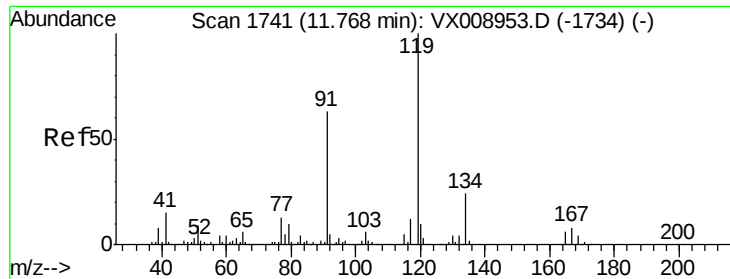
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#82
4-Chlorotoluene
Concen: 56.140 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9





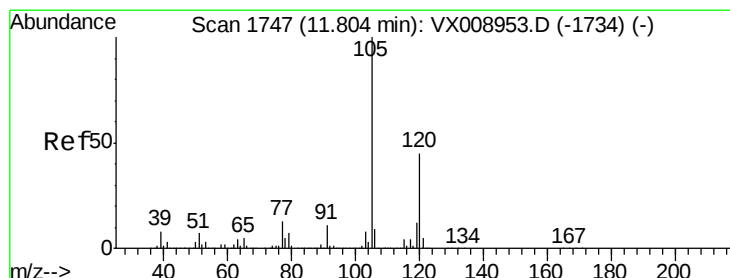
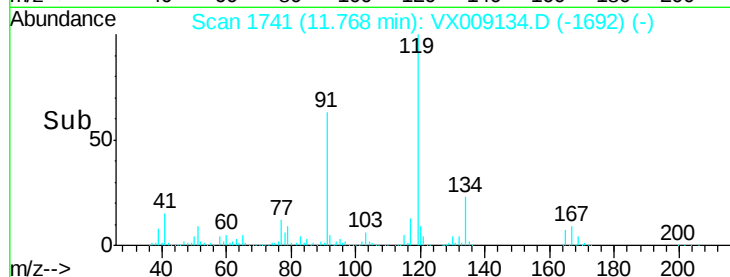
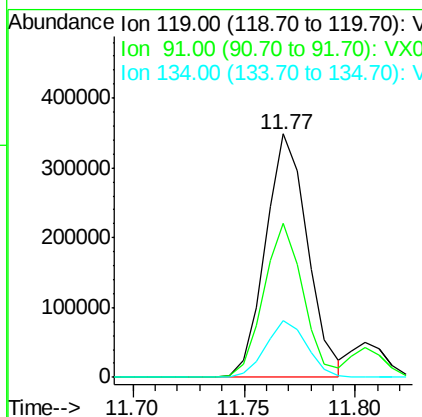
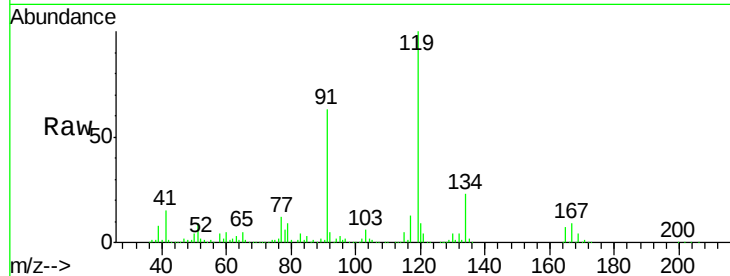
#83
 tert-Butylbenzene
 Concen: 56.572 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	457177		
91	59.8	29.7	89.1	
134	22.7	11.2	33.5	

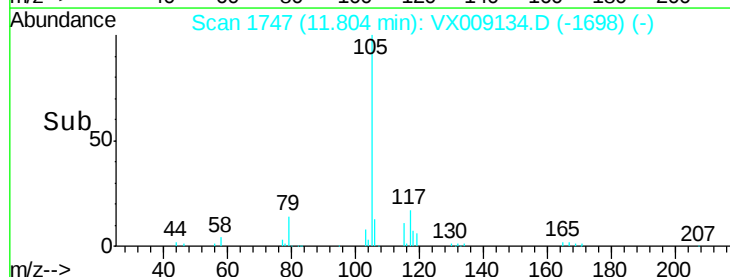
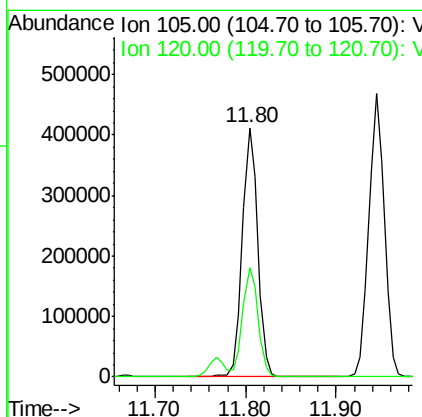
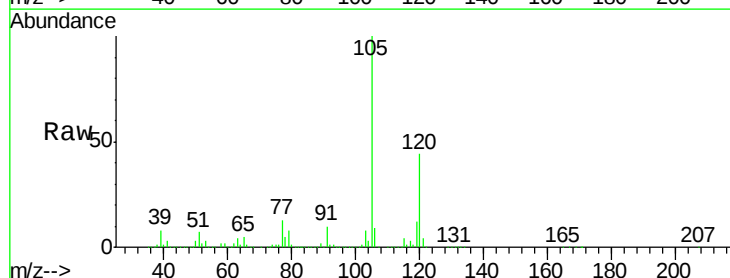
Manual Integrations
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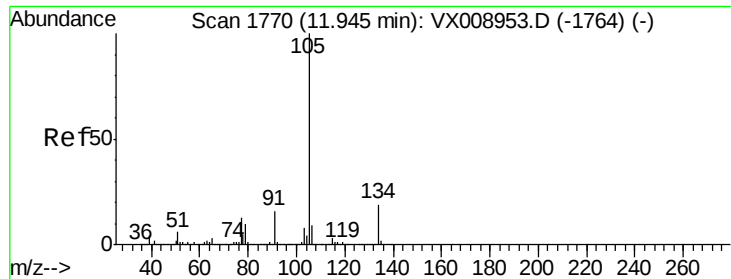
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.812 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	486775		
120	43.5	21.9	65.8	





#85

sec-Butylbenzene

Concen: 58.141 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 560388

Ion Ratio Lower Upper

105 100

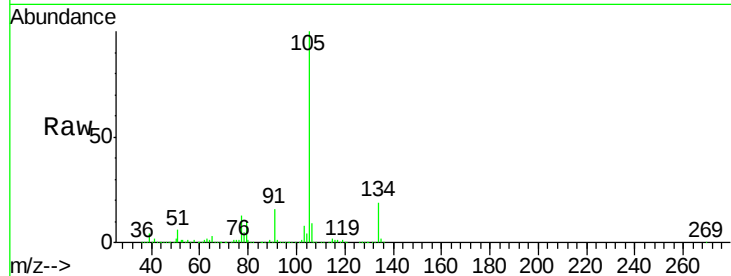
134 19.4 9.6 28.6

Manual Integrations

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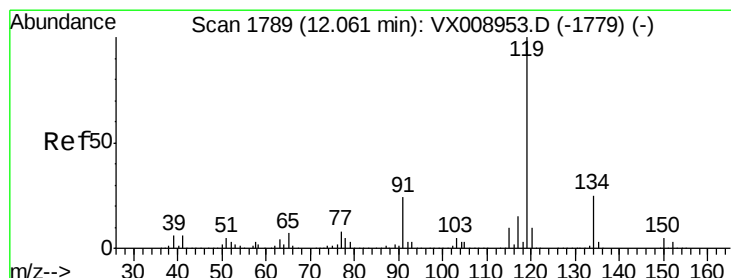
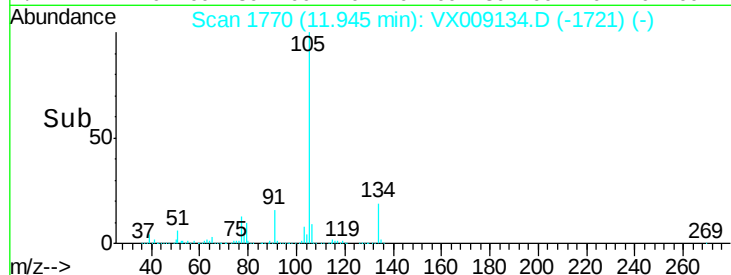
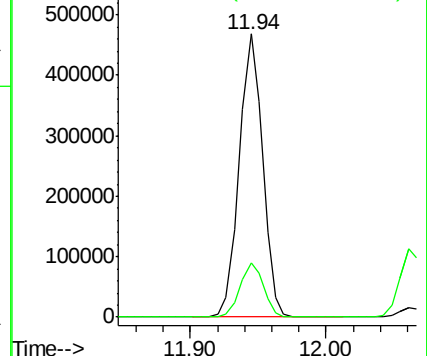
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.258 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

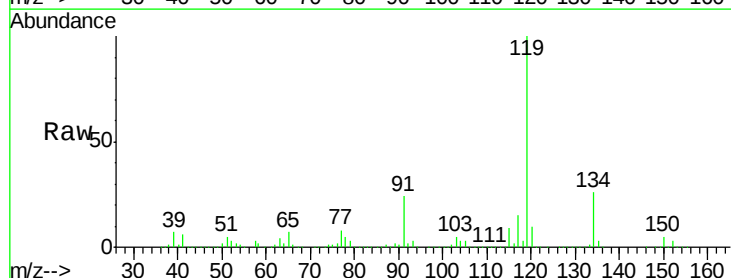
Tgt Ion:119 Resp: 516247

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

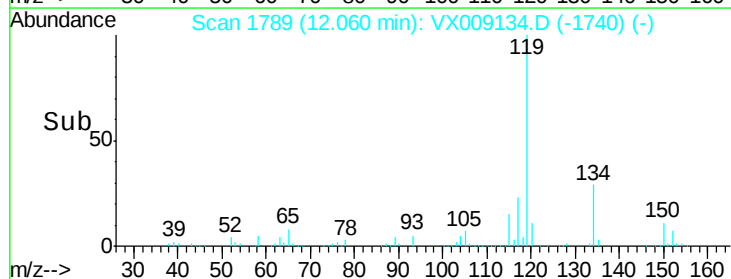
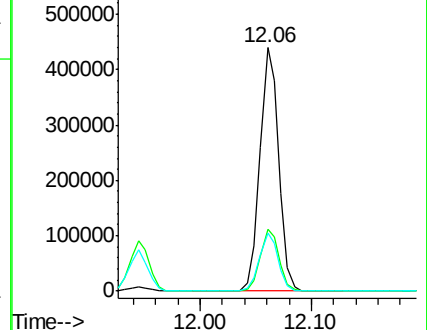
91 23.6 11.9 35.5

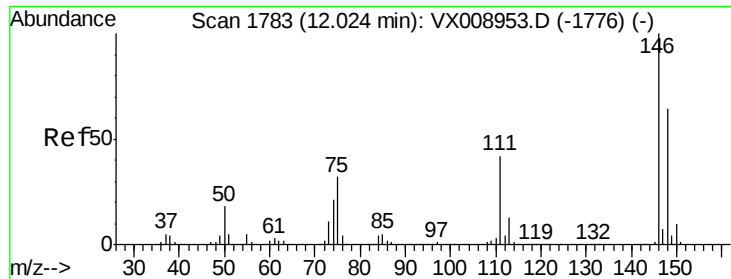


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





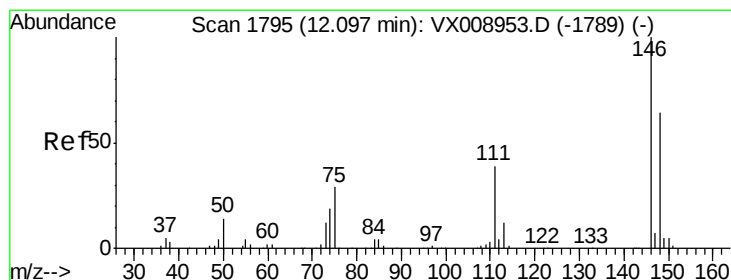
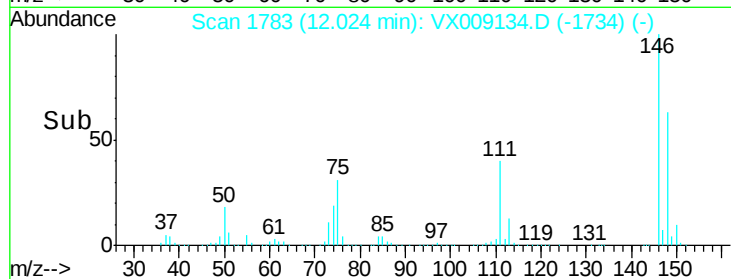
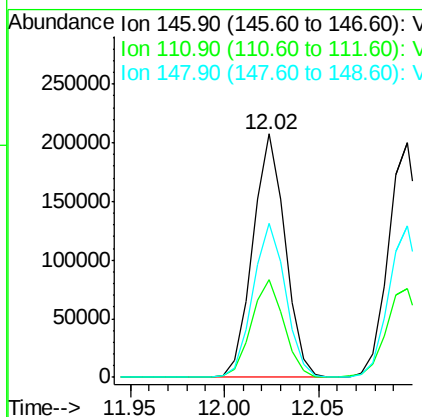
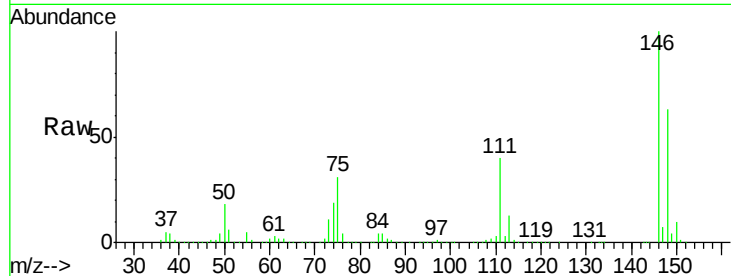
#87
 1,3-Dichlorobenzene
 Concen: 55.862 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.5	32.2	96.6

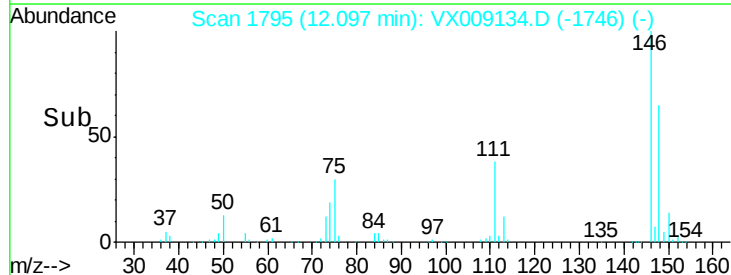
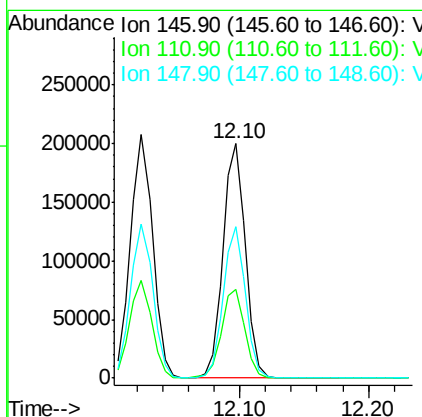
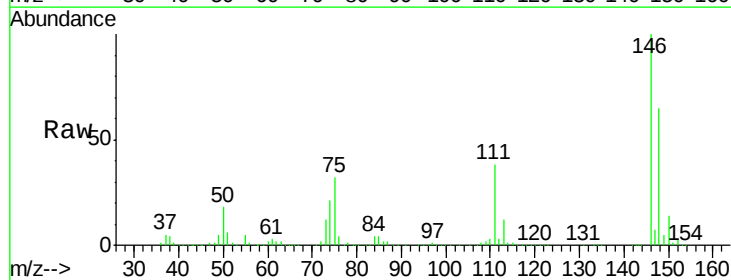
Manual Integrations
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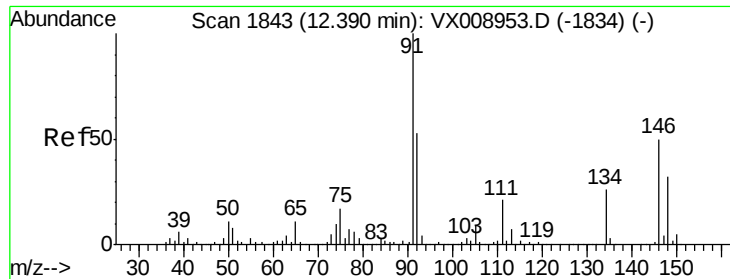
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#88
 1,4-Dichlorobenzene
 Concen: 54.690 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	63.8	32.2	96.6





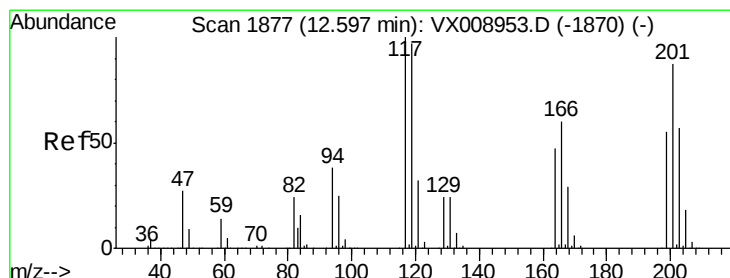
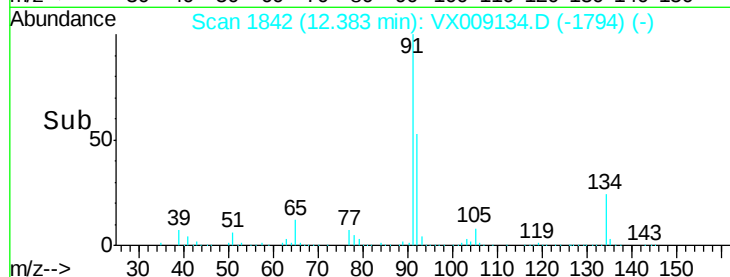
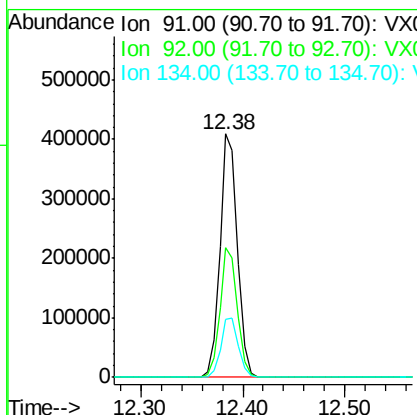
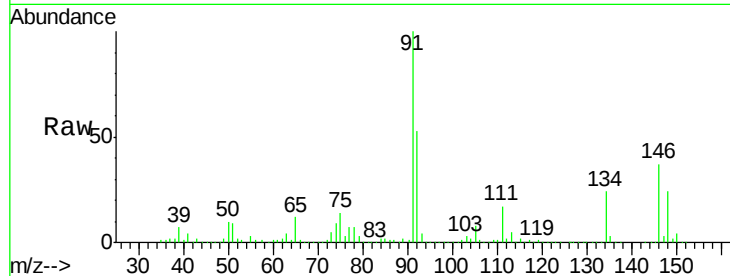
#89
n-Butylbenzene
Concen: 59.303 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 489403
Ion Ratio Lower Upper
91 100
92 53.1 26.6 79.8
134 24.7 12.4 37.2

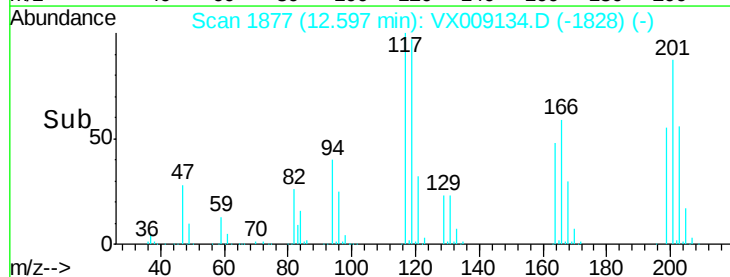
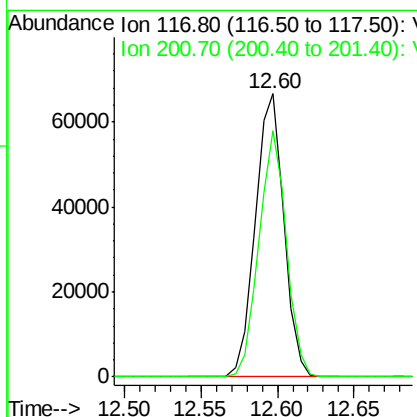
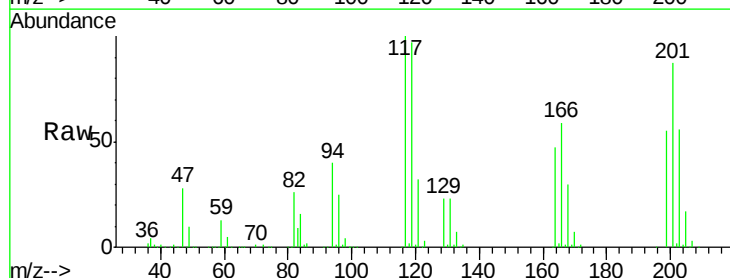
Manual Integrations
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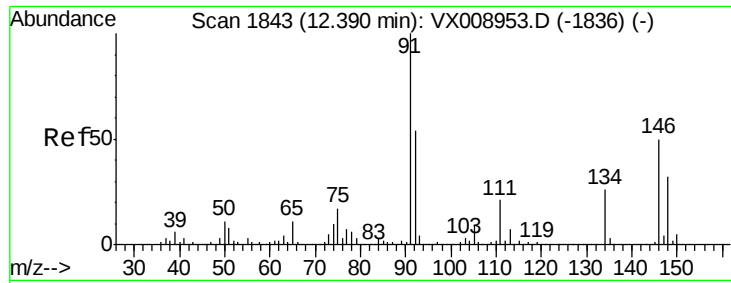
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#90
Hexachloroethane
Concen: 59.149 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion: 117 Resp: 86459
Ion Ratio Lower Upper
117 100
201 83.9 43.0 129.0





#91

1,2-Dichlorobenzene

Concen: 55.185 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Instrument :

MSVOA_X

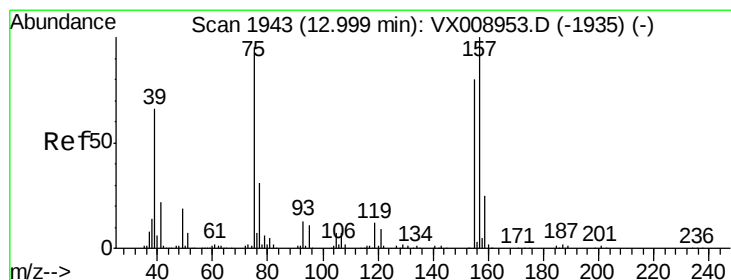
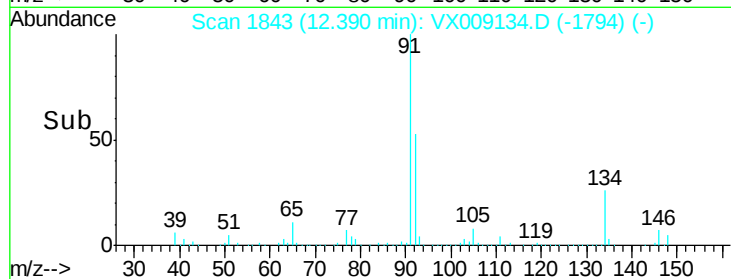
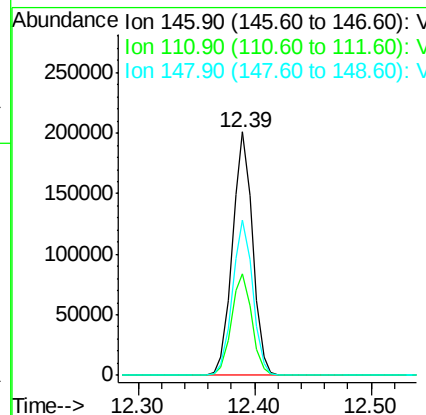
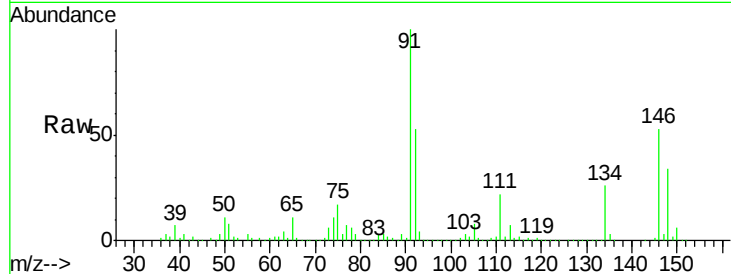
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	241380
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.6	61.9
148	64.1	32.0	96.2

Manual Integrations
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4/25/2019 12:34:08 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.273 ug/l

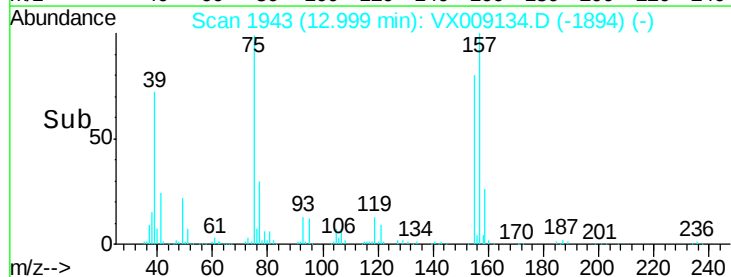
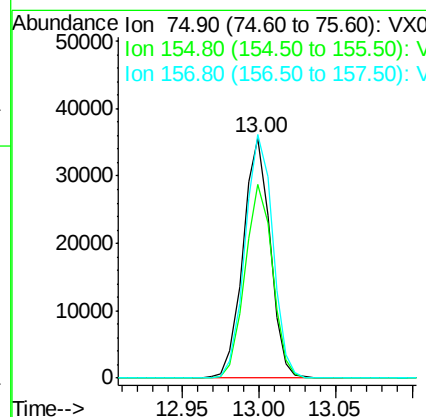
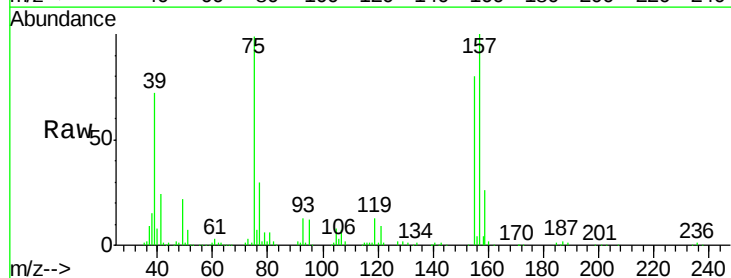
RT: 13.00 min Scan# 1943

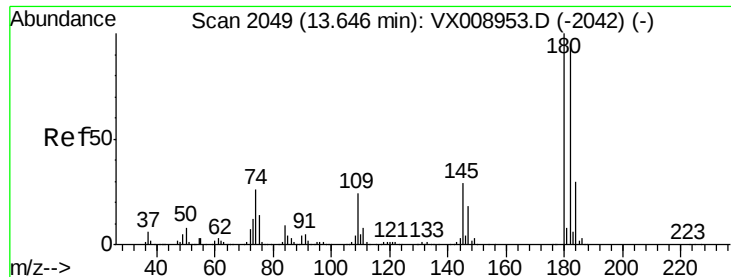
Delta R.T. -0.00 min

Lab File: VX009134.D

Acq: 24 Apr 2019 10:25

Tgt Ion:	75	Resp:	43620
Ion Ratio	Lower	Upper	
75	100		
155	82.3	41.2	123.6
157	103.9	52.5	157.6





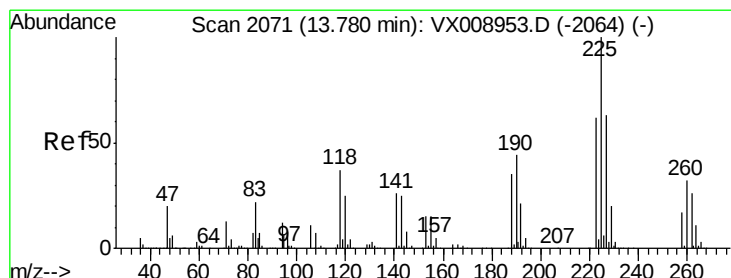
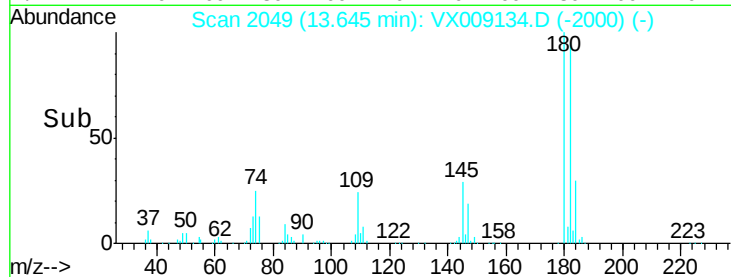
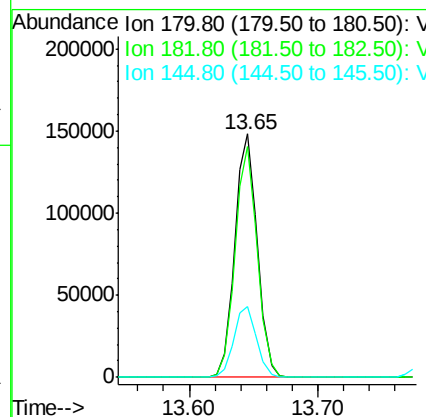
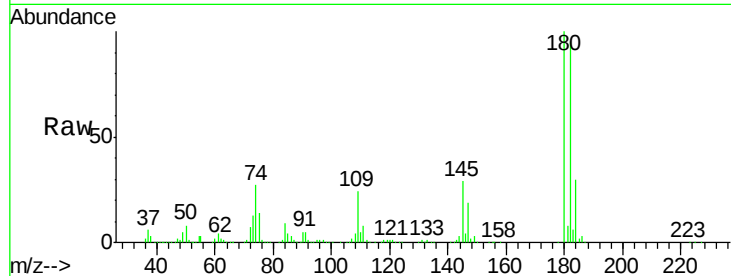
#93
 1,2,4-Trichlorobenzene
 Concen: 57.314 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180964		
182	94.0	47.6	142.9	
145	29.3	14.8	44.4	

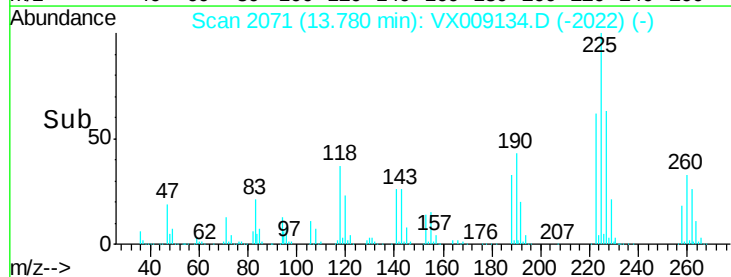
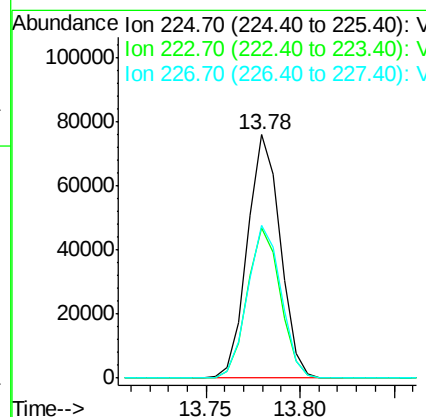
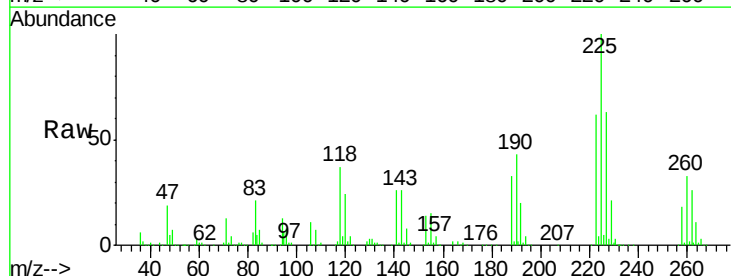
Manual Integrations
 APPROVED

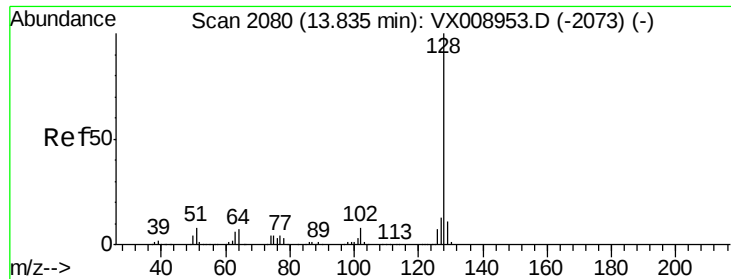
MMDadoda
 4/25/2019 12:34:08 PM



#94
 Hexachlorobutadiene
 Concen: 58.457 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009134.D
 Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92057		
223	62.2	31.1	93.2	
227	64.0	32.0	96.2	





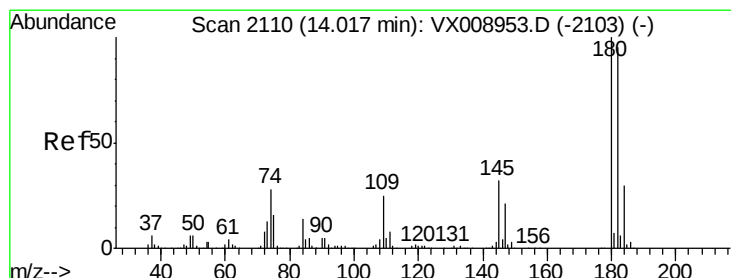
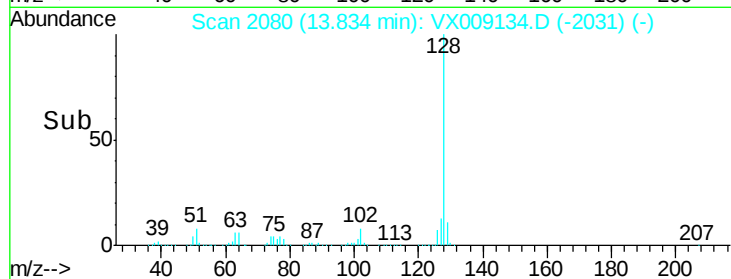
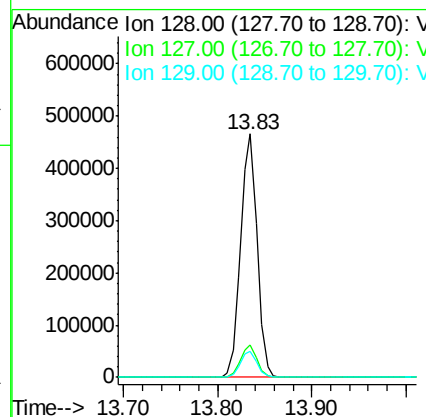
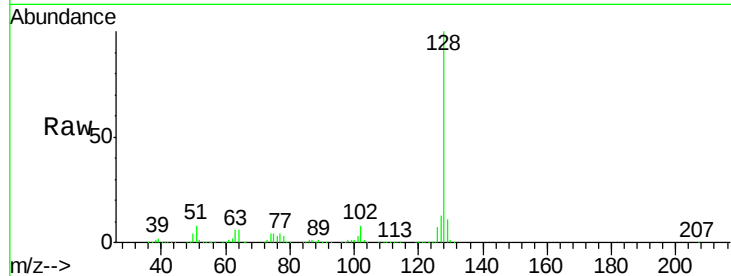
#95
Naphthalene
Concen: 55.790 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.020 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009134.D
Acq: 24 Apr 2019 10:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.4
145	31.2	15.8	47.3

