

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009153.D
 Acq On : 25 Apr 2019 11:10
 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
 4/26/2019 10:05:08 AM

Quant Time: Apr 26 05:09:37 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	215664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	341835	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	131827	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
35) Dibromofluoromethane	5.49	113	98461	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
50) Toluene-d8	8.71	98	391547	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	
62) 4-Bromofluorobenzene	11.13	95	147630	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	127380	51.279	ug/l	100
3) Chloromethane	1.32	50	150892	49.479	ug/l	99
4) Vinyl Chloride	1.41	62	145256	48.938	ug/l	100
5) Bromomethane	1.64	94	87203	47.154	ug/l	99
6) Chloroethane	1.72	64	89442	51.245	ug/l	98
7) Trichlorofluoromethane	1.93	101	171519	49.494	ug/l	100
8) Diethyl Ether	2.19	74	76148	48.047	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	105856	47.775	ug/l	99
10) Methyl Iodide	2.51	142	113621	47.174	ug/l	100
11) Tert butyl alcohol	3.04	59	170321	252.459	ug/l	99
12) 1,1-Dichloroethene	2.37	96	105674	45.692	ug/l	94
13) Acrolein	2.29	56	113123	194.062	ug/l	100
14) Allyl chloride	2.73	41	256695	50.874	ug/l	99
15) Acrylonitrile	3.14	53	421015	245.837	ug/l	99
16) Acetone	2.44	43	443612	281.458	ug/l	97
17) Carbon Disulfide	2.57	76	318361	46.923	ug/l	99
18) Methyl Acetate	2.77	43	189888	48.273	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	406277	49.302	ug/l	99
20) Methylene Chloride	2.85	84	127913	47.457	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	115611	46.867	ug/l	96
22) Diisopropyl ether	3.85	45	489889	49.965	ug/l	94
23) Vinyl Acetate	3.81	43	2212275	256.683	ug/l	99
24) 1,1-Dichloroethane	3.70	63	240401	48.844	ug/l	100
25) 2-Butanone	4.67	43	657615	261.028	ug/l	100
26) 2,2-Dichloropropane	4.58	77	184959	50.134	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	134622	48.066	ug/l	98
28) Bromochloromethane	5.01	49	103492	50.649	ug/l	98
29) Tetrahydrofuran	5.12	42	407637	241.745	ug/l	99
30) Chloroform	5.21	83	217401	49.361	ug/l	99
31) Cyclohexane	5.57	56	241486	49.885	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	181717	49.781	ug/l	100
36) 1,1-Dichloropropene	5.80	75	171983	48.647	ug/l	99
37) Ethyl Acetate	4.83	43	233818	51.398	ug/l	99
38) Carbon Tetrachloride	5.78	117	154860	51.669	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	224401	52.133	ug/l	100
40) Benzene	6.14	78	520951	49.950	ug/l	100
41) Methacrylonitrile	5.04	41	131495	50.364	ug/l	99
42) 1,2-Dichloroethane	6.19	62	184199	49.858	ug/l	99
43) Isopropyl Acetate	6.44	43	375533	51.226	ug/l	99
44) Trichloroethene	7.21	130	124566	48.746	ug/l	99
45) 1,2-Dichloropropane	7.51	63	146715	50.707	ug/l	99
46) Dibromomethane	7.66	93	83417	49.539	ug/l	99
47) Bromodichloromethane	7.90	83	171183	51.831	ug/l	99
48) Methyl methacrylate	7.76	41	187521	51.768	ug/l	99
49) 1,4-Dioxane	7.74	88	69008	1017.844	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1217288	260.640	ug/l	99
52) Toluene	8.78	92	315307	50.445	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	201432	52.995	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	223680	52.556	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	125567	50.688	ug/l	99
56) Ethyl methacrylate	9.18	69	232927	52.438	ug/l	98
57) 1,3-Dichloropropane	9.37	76	224227	50.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	667853	279.202	ug/l	99
59) 2-Hexanone	9.49	43	970045	269.400	ug/l	99
60) Dibromochloromethane	9.58	129	126219	53.162	ug/l	100
61) 1,2-Dibromoethane	9.67	107	129908	50.810	ug/l	99
64) Tetrachloroethene	9.33	164	112826	48.167	ug/l	96
65) Chlorobenzene	10.13	112	326517	50.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	116402	50.770	ug/l	100
67) Ethyl Benzene	10.25	91	614374	51.640	ug/l	99
68) m/p-Xylenes	10.35	106	449244	103.902	ug/l	100
69) o-Xylene	10.69	106	216491	51.459	ug/l	98
70) Styrene	10.71	104	383064	52.543	ug/l	99
71) Bromoform	10.85	173	96781	52.985	ug/l #	98
73) Isopropylbenzene	11.02	105	585427	49.699	ug/l	100
74) N-amyl acetate	10.90	43	347672	51.404	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	209647	48.710	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	185256m	48.820	ug/l	
77) Bromobenzene	11.26	156	141638	47.657	ug/l	98
78) n-propylbenzene	11.36	91	697498	51.590	ug/l	100
79) 2-Chlorotoluene	11.42	91	402888	49.451	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	504225	51.010	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	75464	51.055	ug/l	98
82) 4-Chlorotoluene	11.51	91	474633	50.162	ug/l	100
83) tert-Butylbenzene	11.77	119	478785	50.450	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	505466	50.235	ug/l	100
85) sec-Butylbenzene	11.94	105	586527	51.819	ug/l	100
86) p-Isopropyltoluene	12.06	119	531566	51.081	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	259148	49.819	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	260696	49.439	ug/l	100
89) n-Butylbenzene	12.38	91	509657	52.588	ug/l	100
90) Hexachloroethane	12.60	117	88613	51.623	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	257723	50.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50106	51.131	ug/l	100

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VSTDCCC050

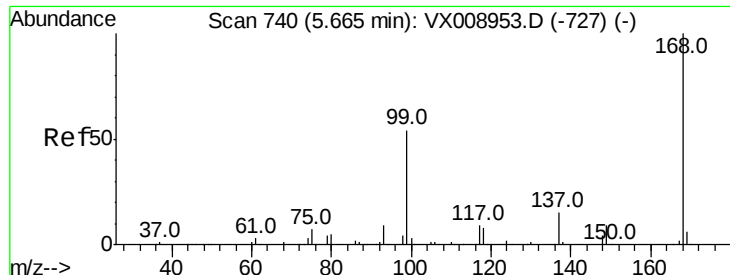
Manual Integrations
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4/26/2019 10:05:08 AM

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	196092	52.885	ug/l	99
94) Hexachlorobutadiene	13.78	225	97409	52.673	ug/l	99
95) Naphthalene	13.83	128	617004	51.939	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	194848	53.259	ug/l	99

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



#1

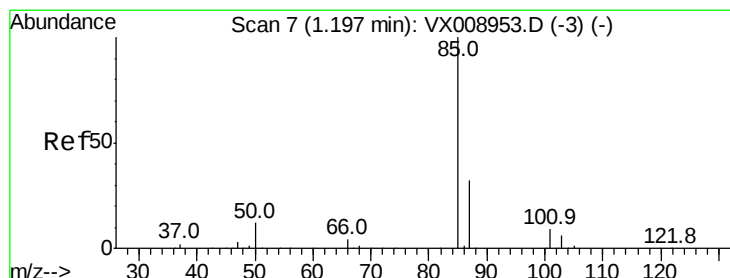
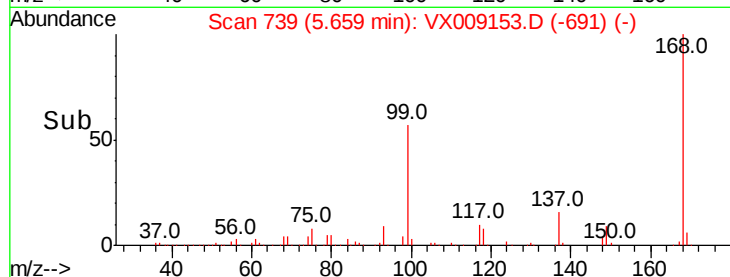
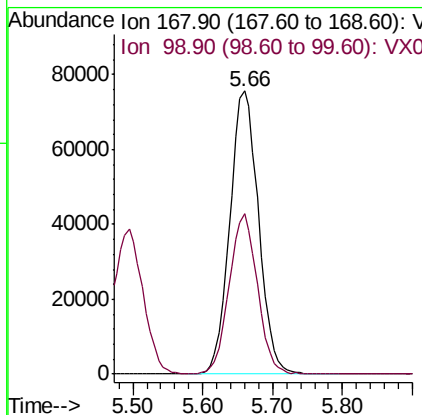
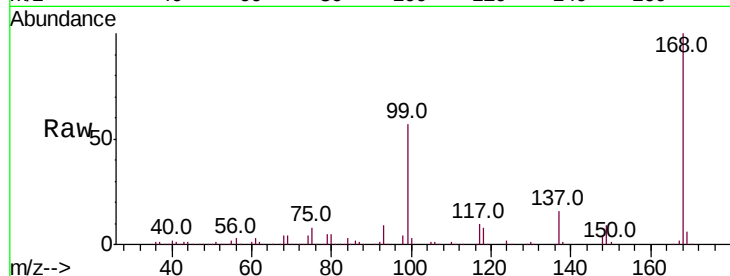
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 215664
 Ion Ratio Lower Upper
 168 100
 99 56.6 43.0 64.6

Manual Integrations
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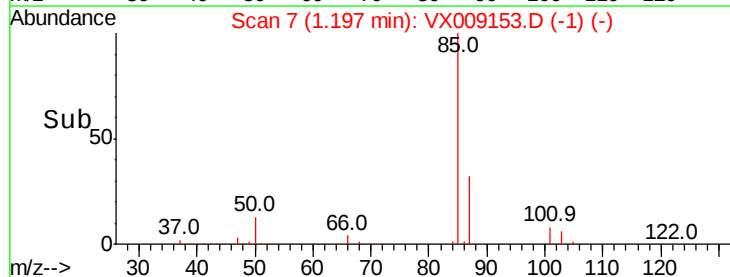
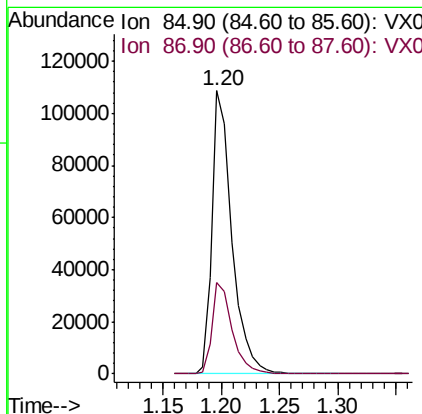
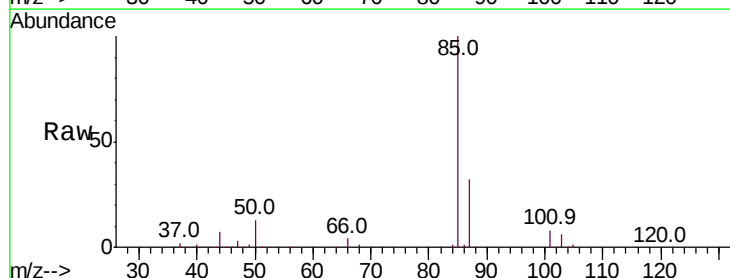
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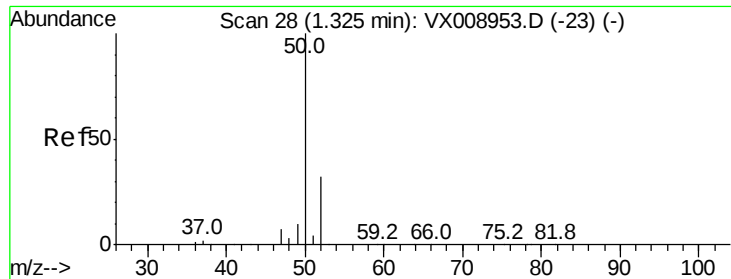


#2

Dichlorodifluoromethane
 Concen: 51.279 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion: 85 Resp: 127380
 Ion Ratio Lower Upper
 85 100
 87 32.2 16.0 47.9





#3

Chloromethane

Concen: 49.479 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 150892

Ion Ratio Lower Upper

50 100

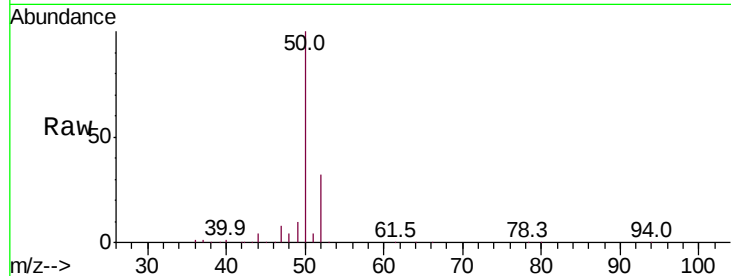
52 32.4 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

100000

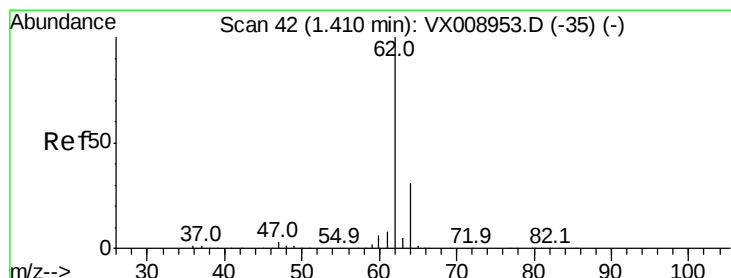
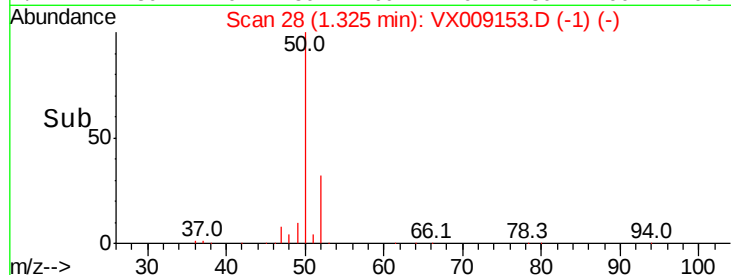
50000

0

1.32

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 48.938 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009153.D

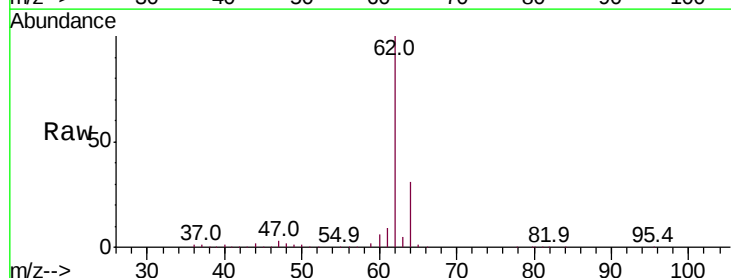
Acq: 25 Apr 2019 11:10

Tgt Ion: 62 Resp: 145256

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

100000

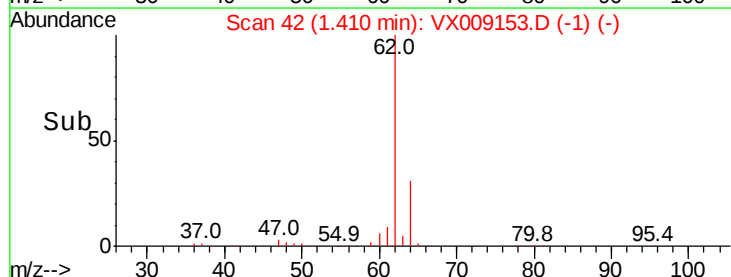
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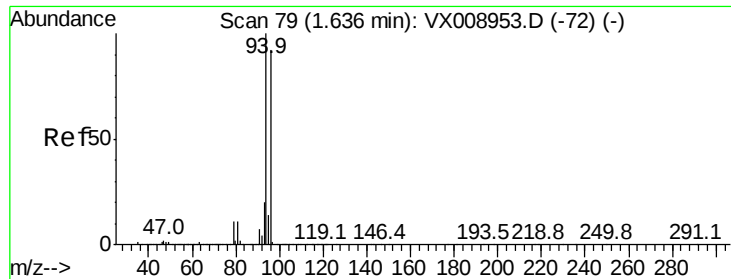
0

1.41

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 47.154 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87203

Ion Ratio Lower Upper

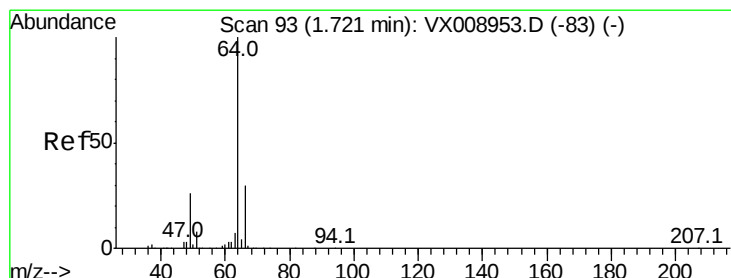
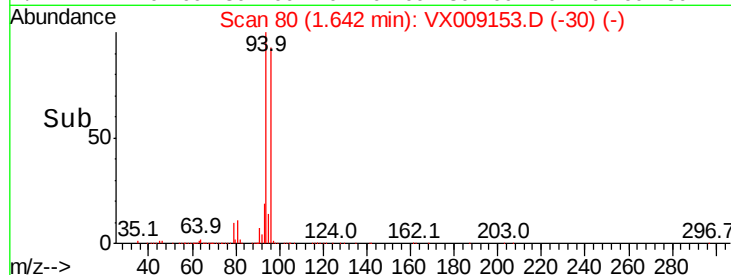
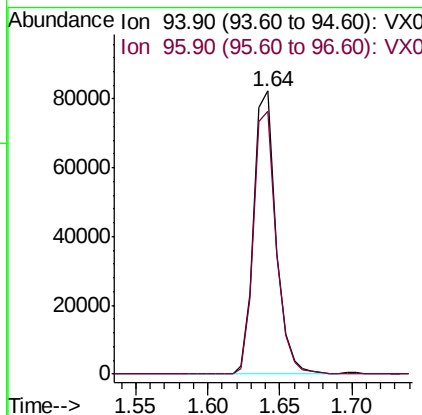
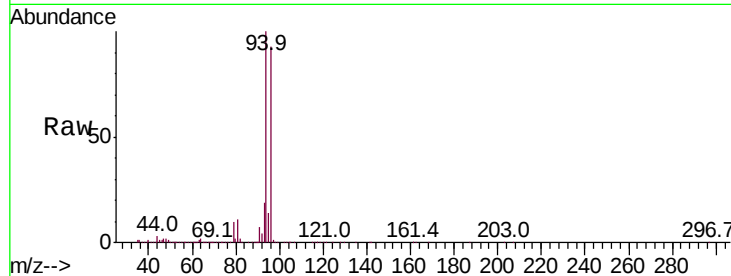
94 100

96 93.0 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 51.245 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009153.D

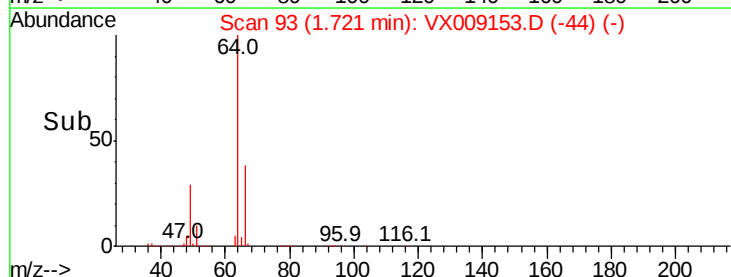
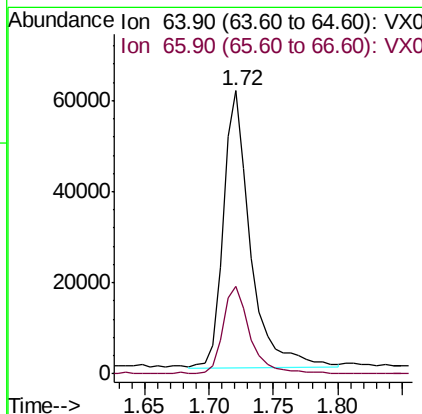
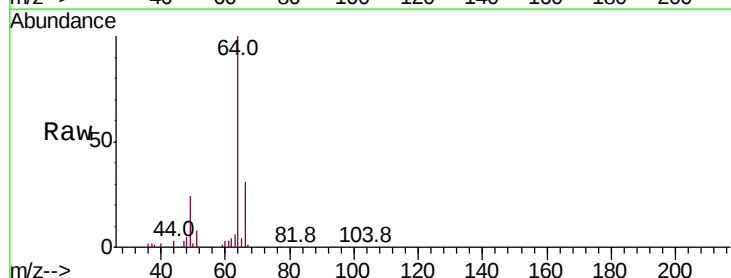
Acq: 25 Apr 2019 11:10

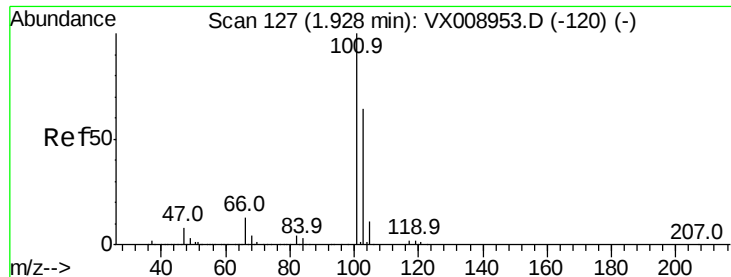
Tgt Ion: 64 Resp: 89442

Ion Ratio Lower Upper

64 100

66 31.5 24.2 36.2





#7

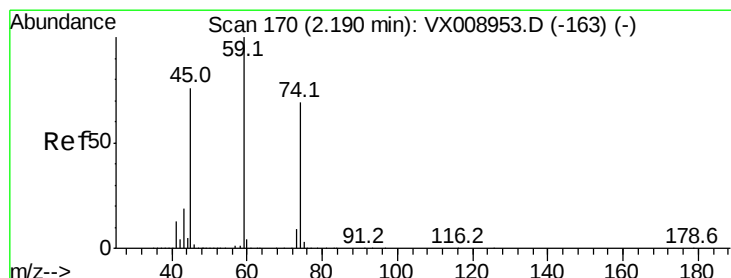
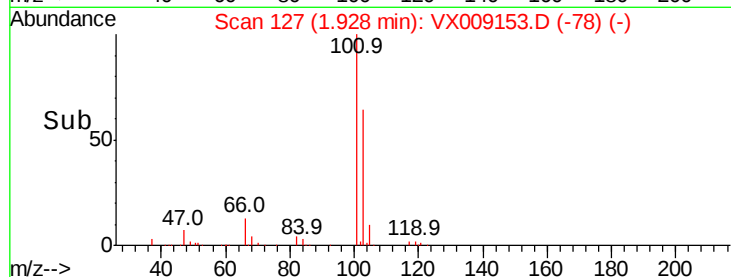
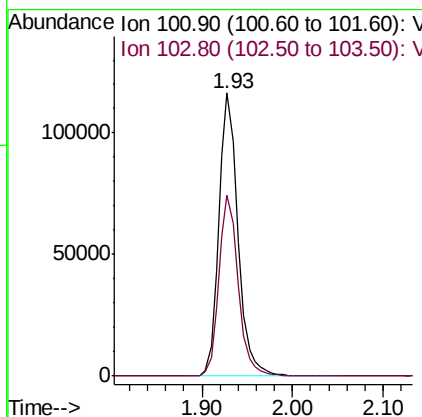
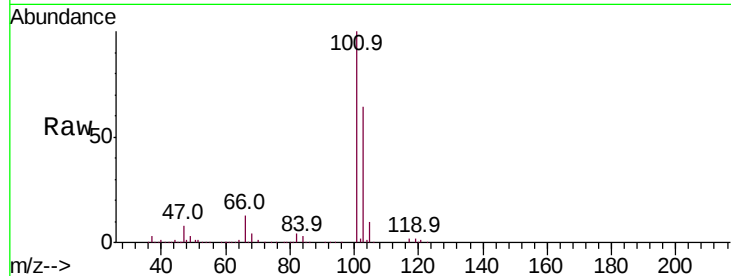
Trichlorofluoromethane
Concen: 49.494 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	171519		
103	63.9	51.0	76.6	

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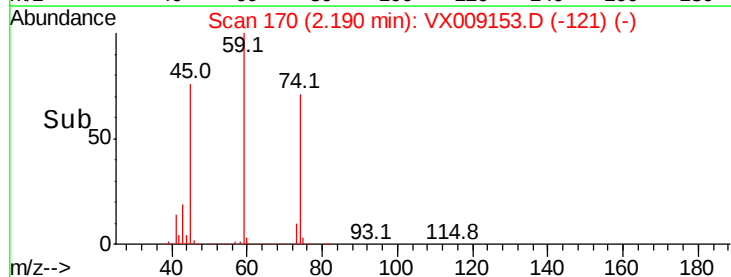
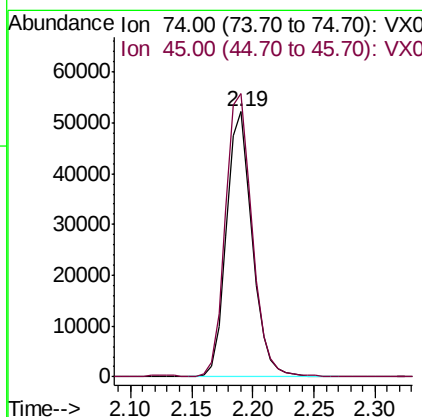
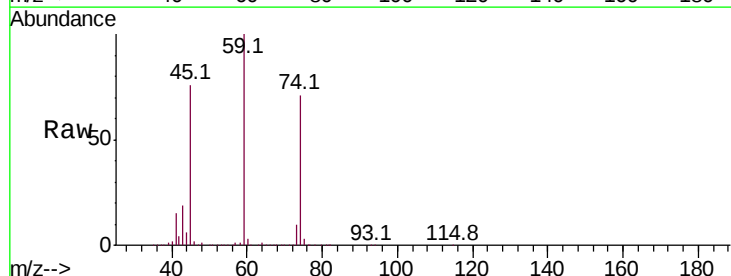
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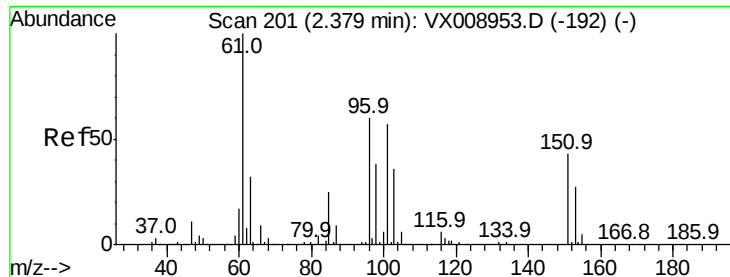


#8

Diethyl Ether
Concen: 48.047 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	76148		
45	110.2	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.775 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

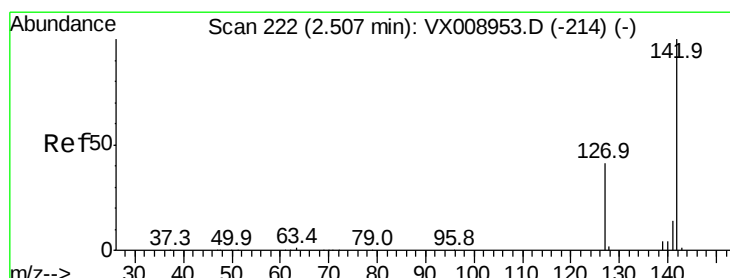
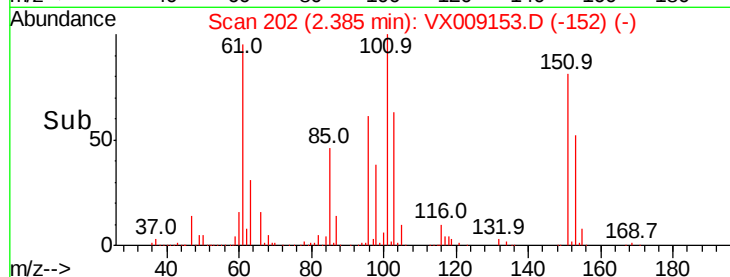
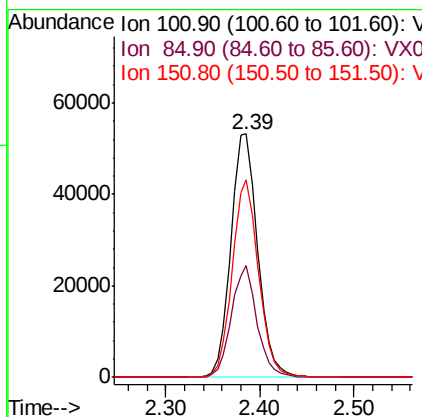
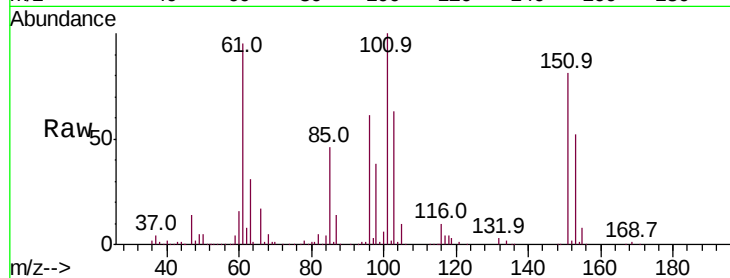
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	105856
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.7	53.5
151	79.2	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 47.174 ug/l

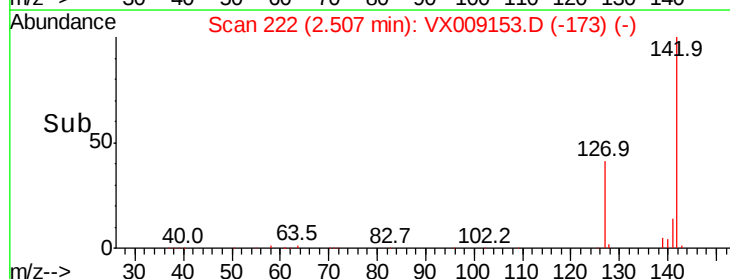
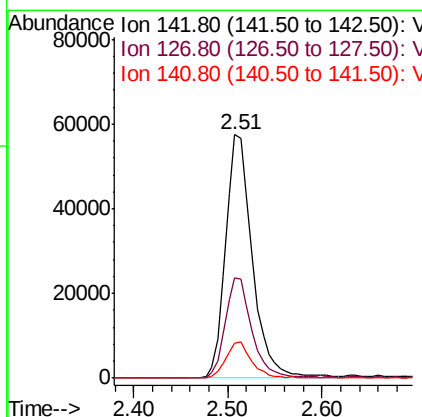
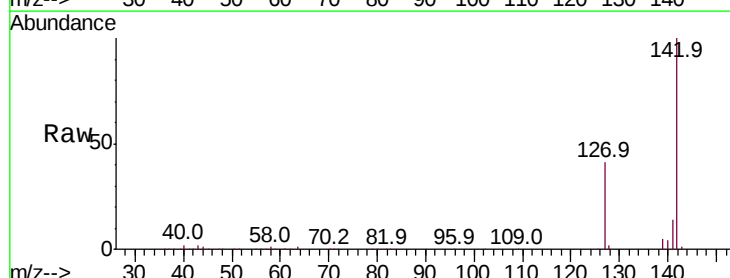
RT: 2.51 min Scan# 222

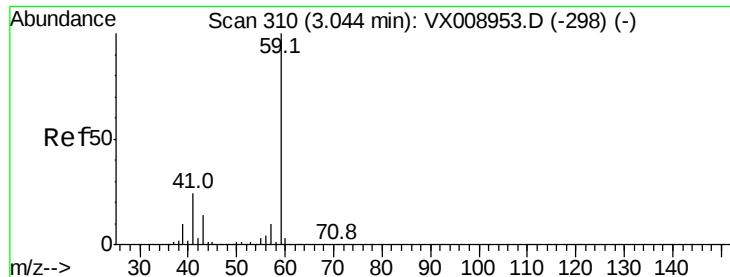
Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion:	142	Resp:	113621
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.8	49.2
141	14.3	11.4	17.2





#11

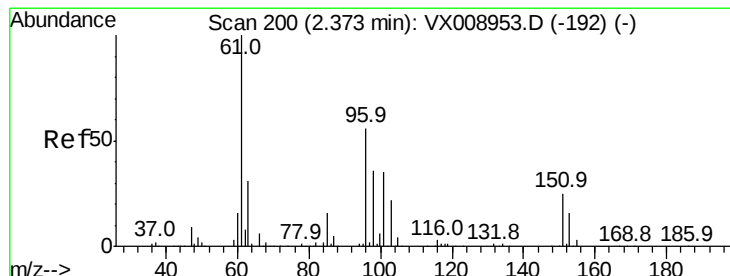
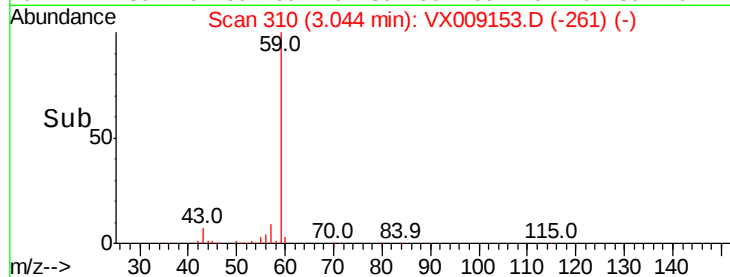
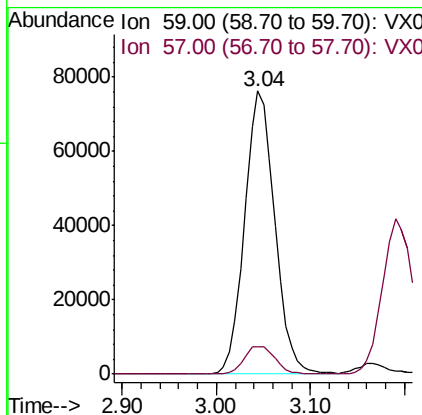
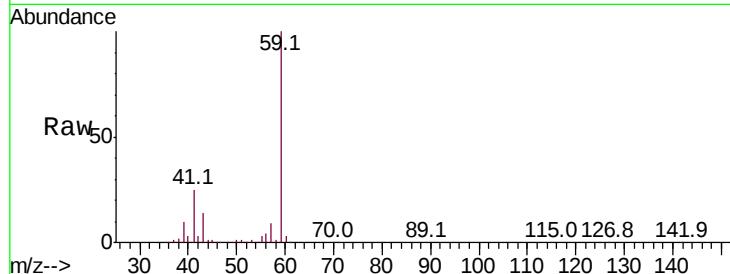
Tert butyl alcohol
Concen: 252.459 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	170321
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

Manual Integrations
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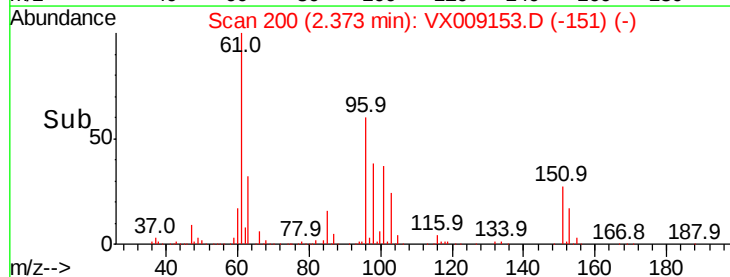
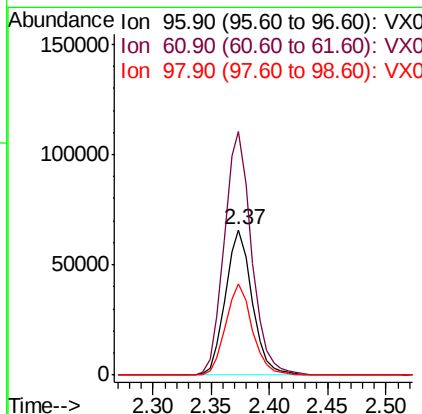
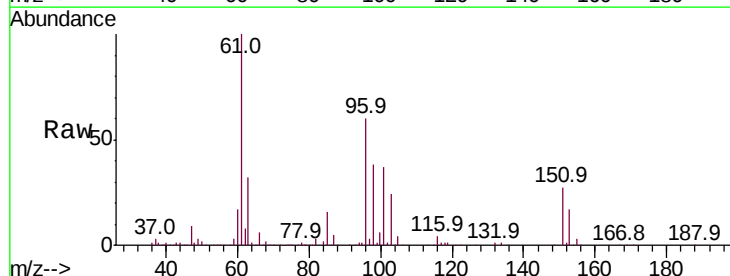
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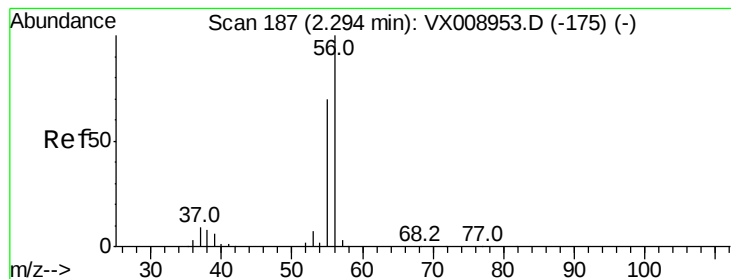


#12

1,1-Dichloroethene
Concen: 45.692 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	96	Resp	105674
Ion	Ratio	Lower	Upper
96	100		
61	167.0	142.2	213.2
98	62.8	50.9	76.3





#13

Acrolein

Concen: 194.062 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 113123

Ion Ratio Lower Upper

56 100

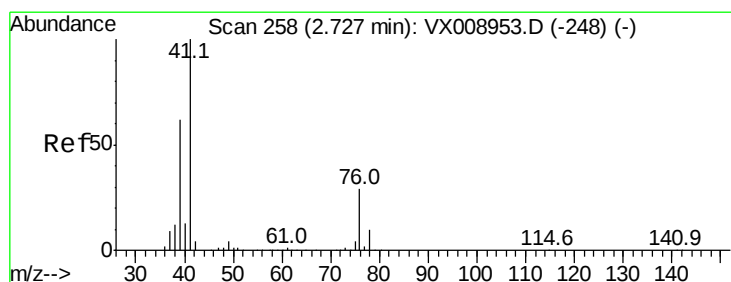
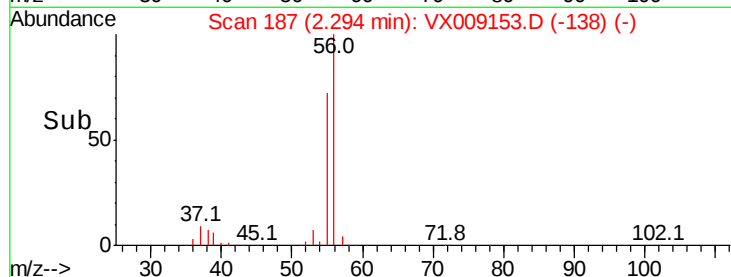
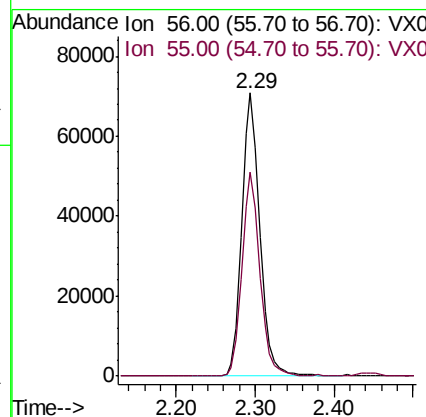
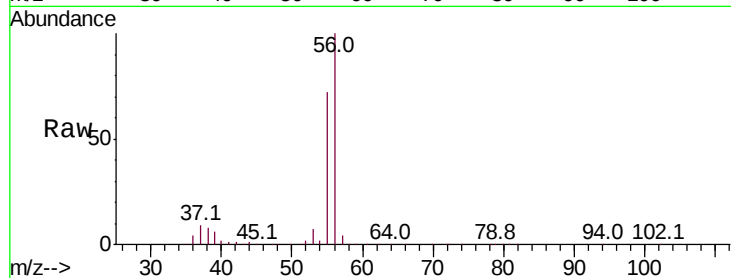
55 70.9 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 50.874 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

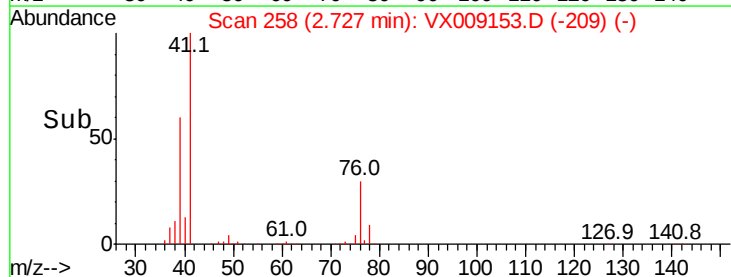
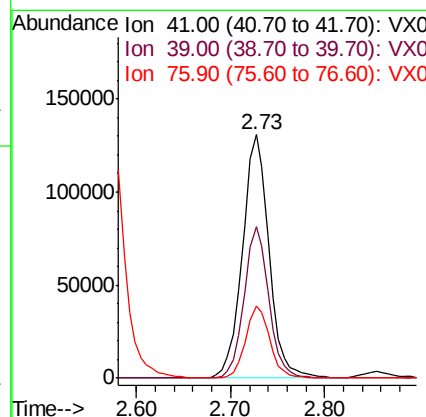
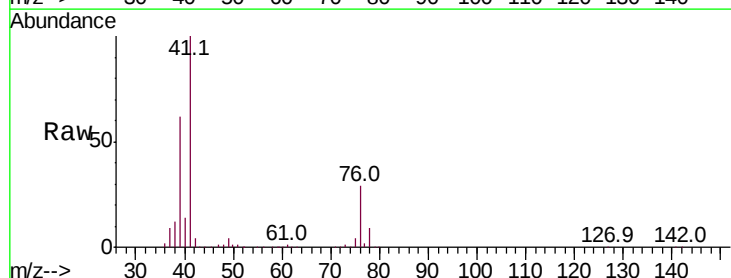
Tgt Ion: 41 Resp: 256695

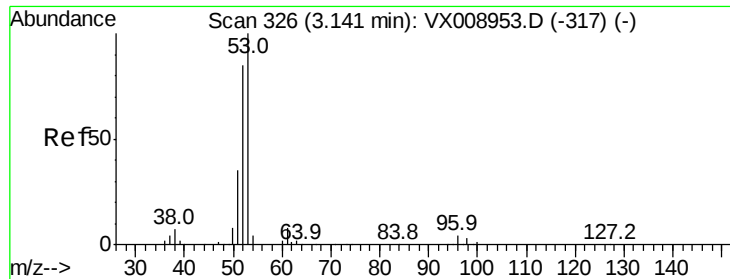
Ion Ratio Lower Upper

41 100

39 58.0 46.7 70.1

76 27.0 22.0 33.0





#15

Acrylonitrile

Concen: 245.837 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

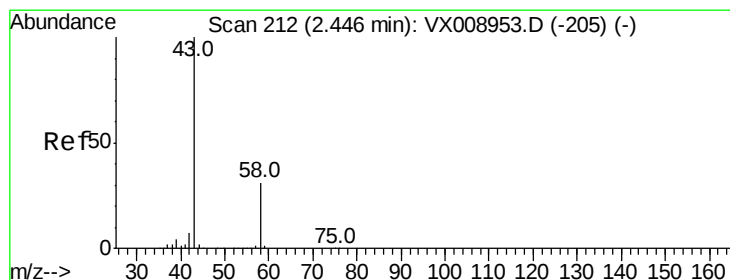
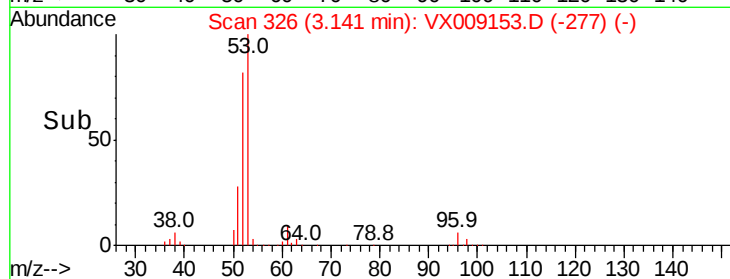
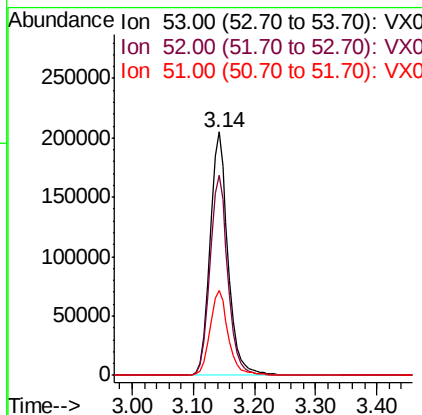
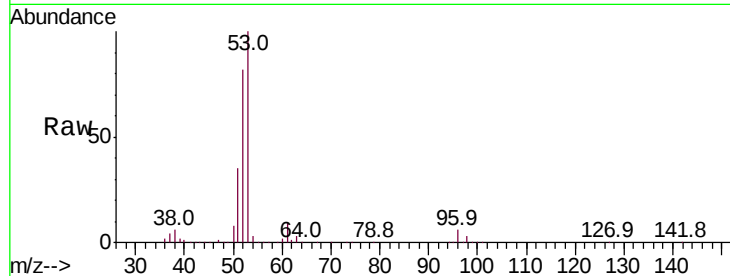
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	421015
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	100.0
51	35.6	28.3	42.5

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#16

Acetone

Concen: 281.458 ug/l

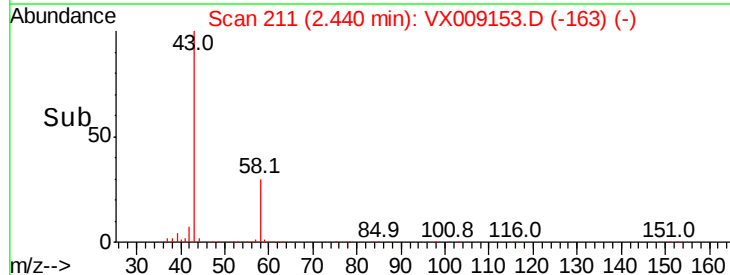
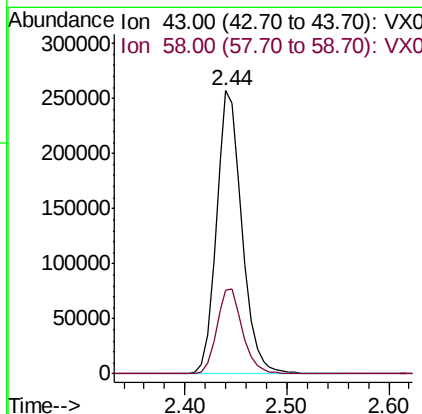
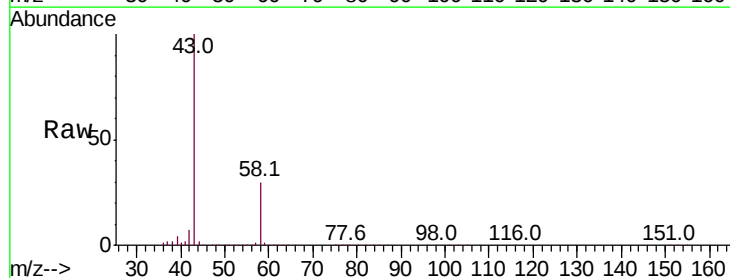
RT: 2.44 min Scan# 211

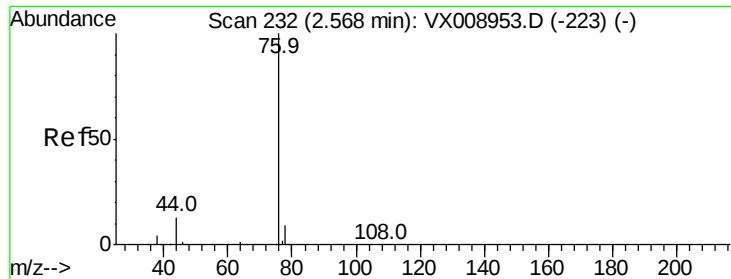
Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion:	43	Resp:	443612
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.8	37.2





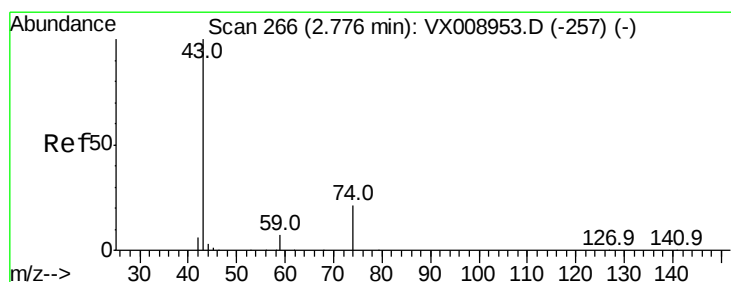
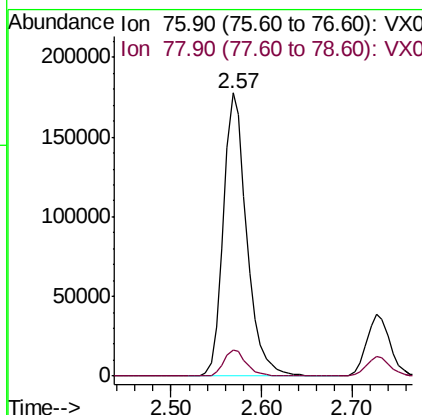
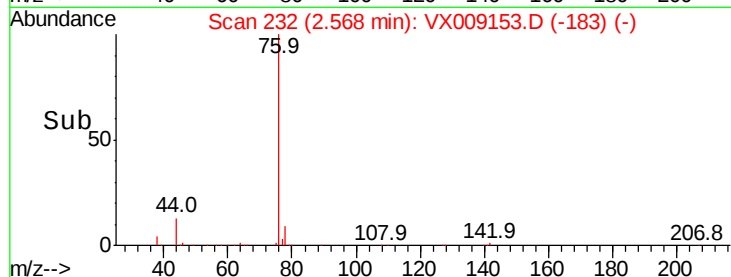
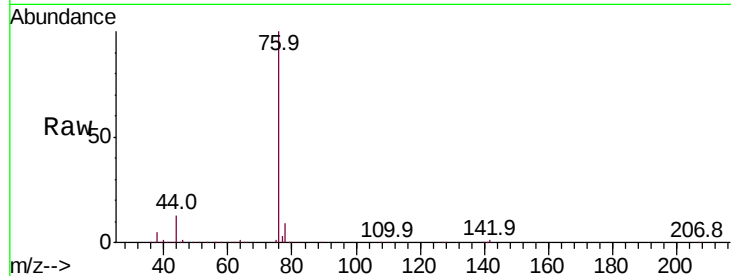
#17
Carbon Disulfide
Concen: 46.923 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

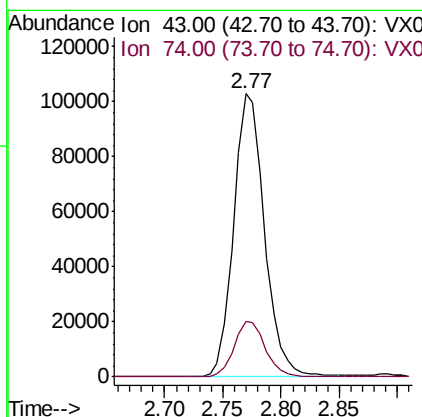
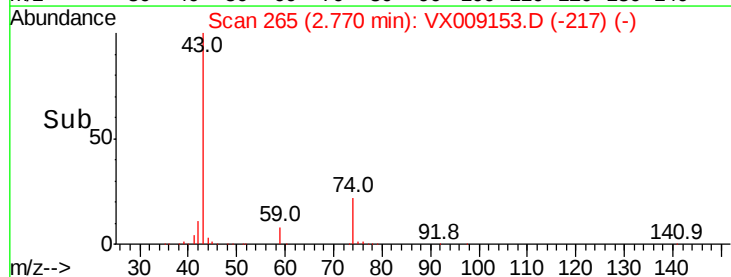
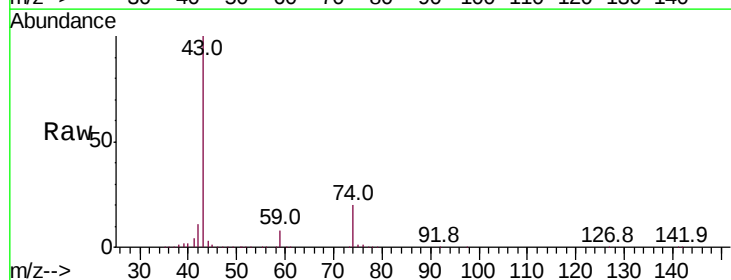
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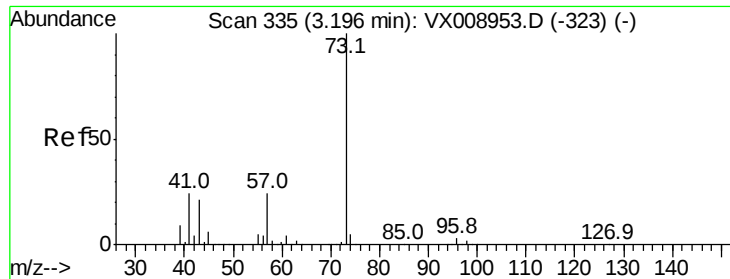
MMDadoda
4/26/2019 10:05:08 AM



#18
Methyl Acetate
Concen: 48.273 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





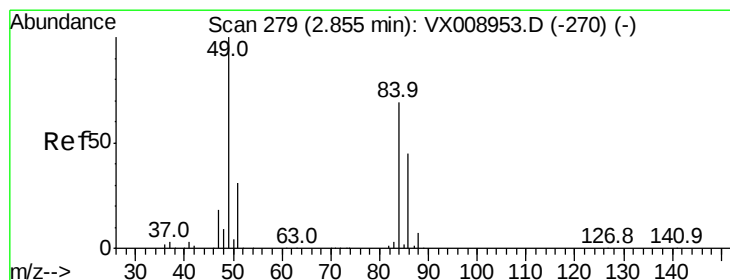
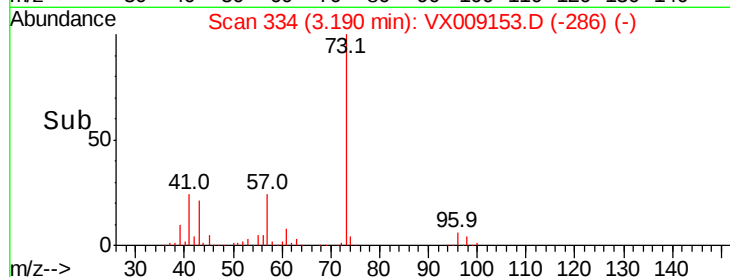
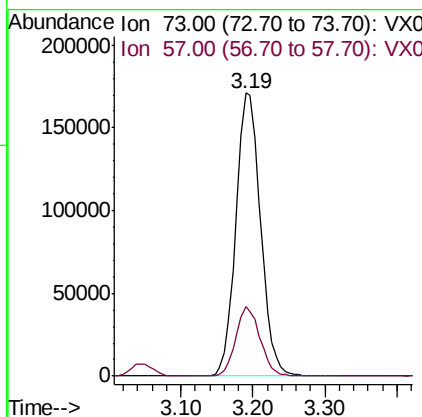
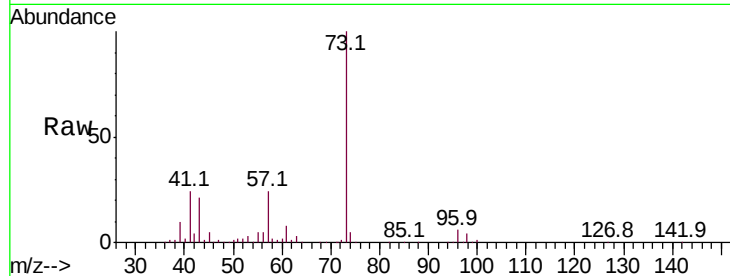
#19
Methvl tert-butvl Ether
Concen: 49.302 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.2	28.8

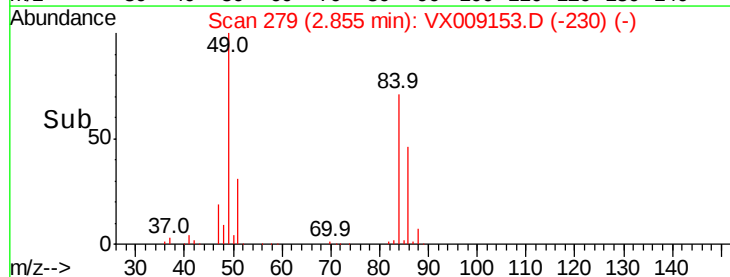
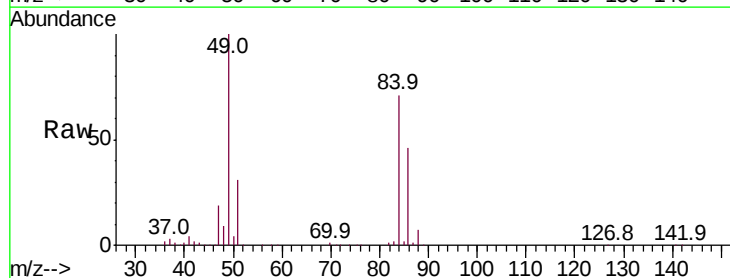
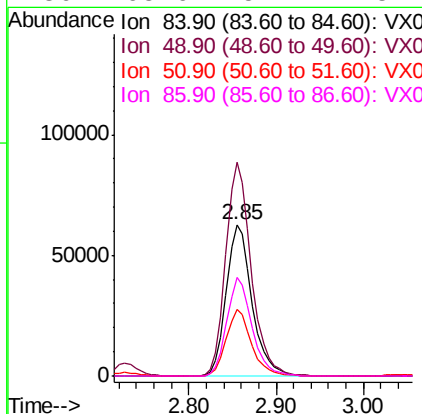
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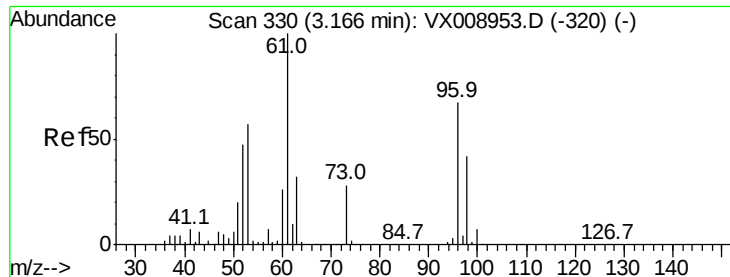
MMdadoda
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#20
Methylene Chloride
Concen: 47.457 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.2	115.4	173.0
51	44.1	35.8	53.6
86	65.6	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 46.867 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 115611

Ion Ratio Lower Upper

96 100

61 155.6 120.3 180.5

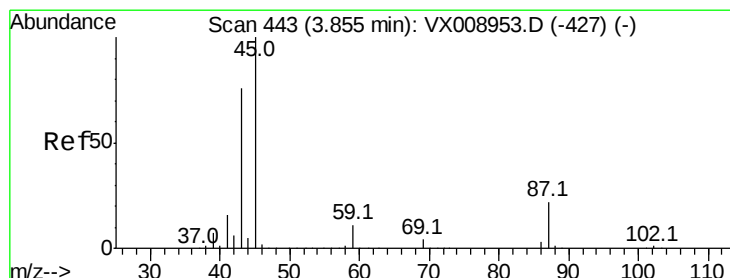
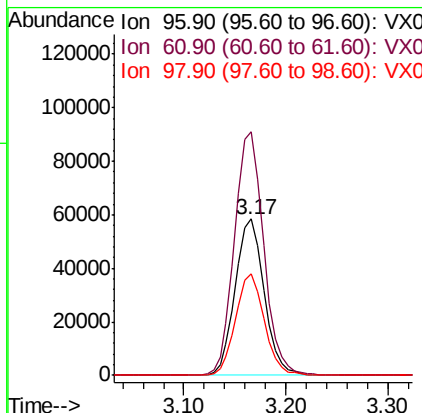
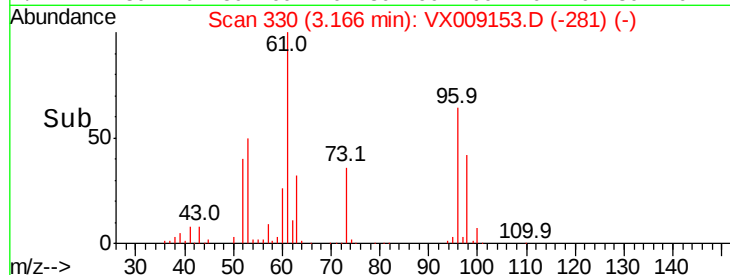
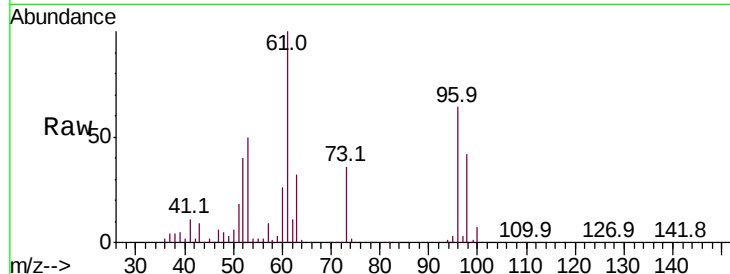
98 64.7 50.2 75.2

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#22

Diisopropyl ether

Concen: 49.965 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion: 45 Resp: 489889

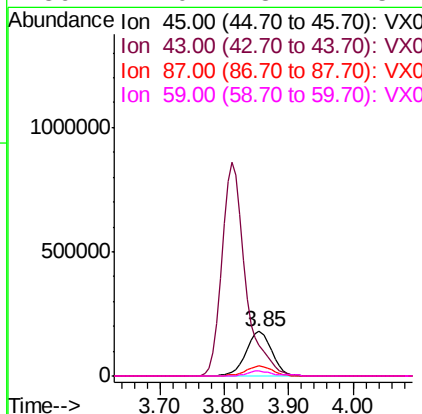
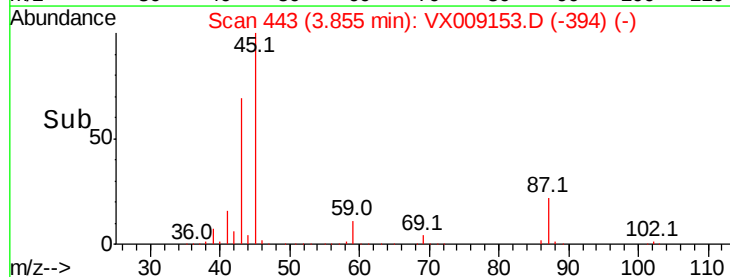
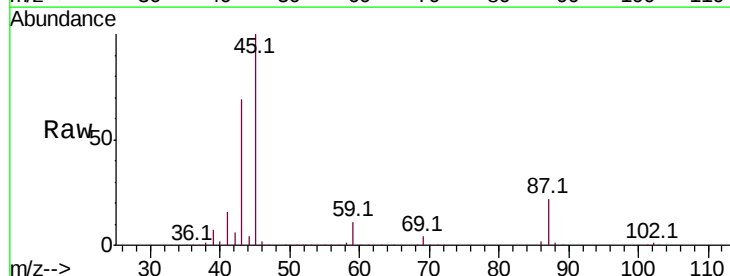
Ion Ratio Lower Upper

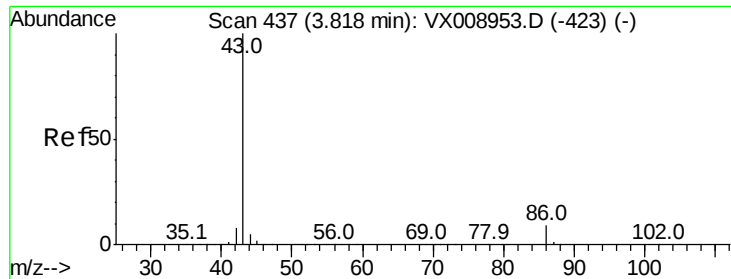
45 100

43 68.9 60.6 91.0

87 22.3 17.8 26.8

59 11.0 8.7 13.1





#23

Vinyl Acetate

Concen: 256.683 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2212275

Ion Ratio Lower Upper

43 100

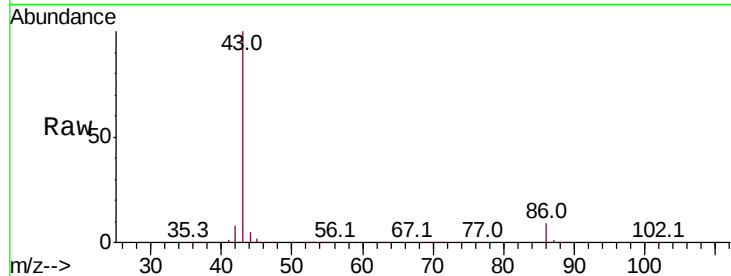
86 8.6 7.1 10.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

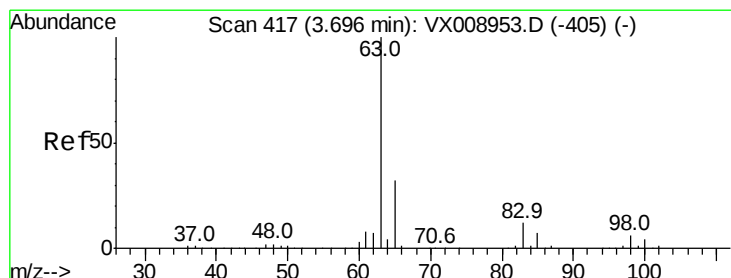
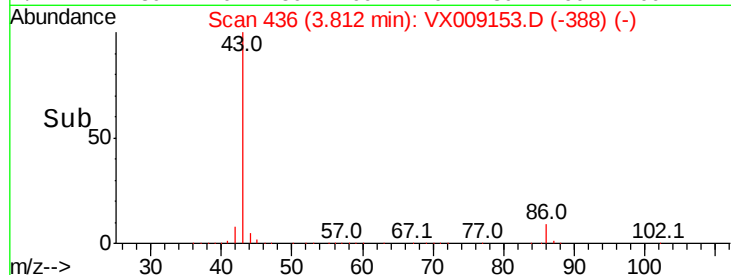
400000

200000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.844 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

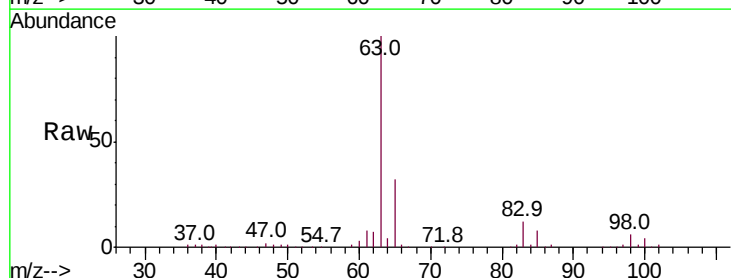
Tgt Ion: 63 Resp: 240401

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.1 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

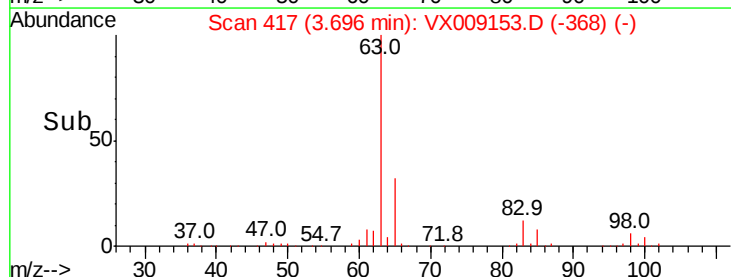
100000

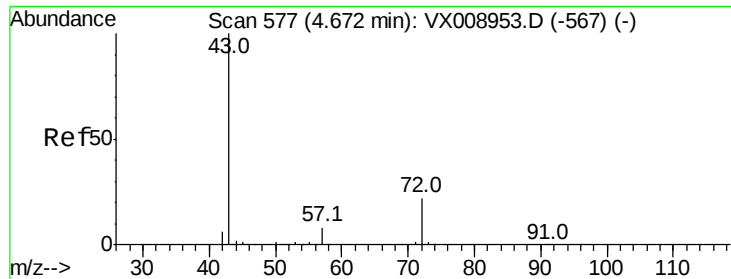
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 261.028 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tot Ion: 43 Resp: 657615

Ion Ratio Lower Upper

43 100

72 22.1 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

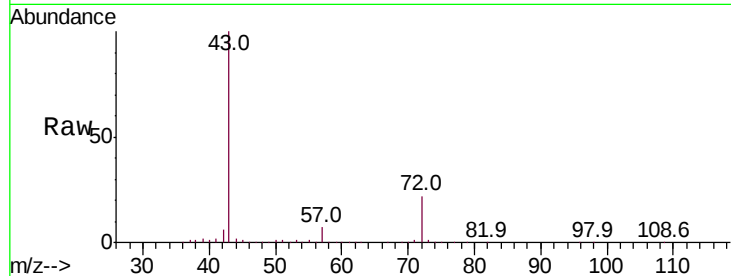
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

0

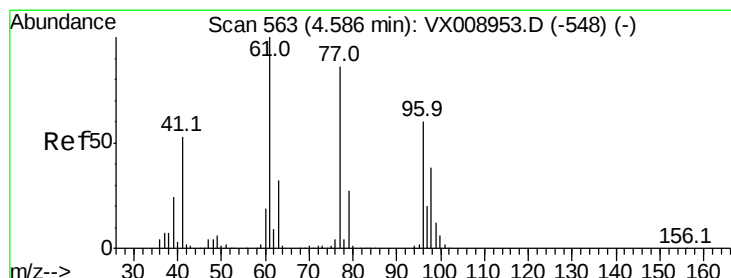
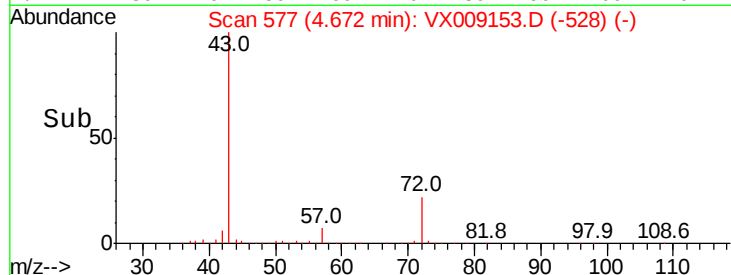
4.67

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.134 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009153.D

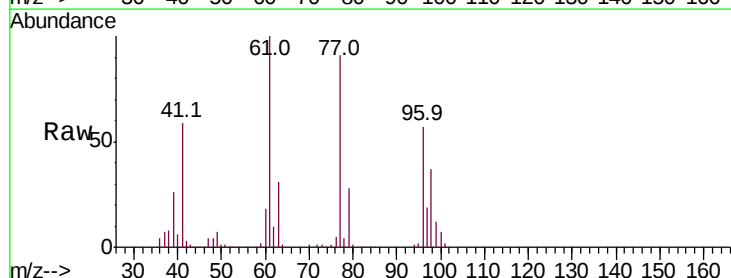
Acq: 25 Apr 2019 11:10

Tgt Ion: 77 Resp: 184959

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

4.58

4.40

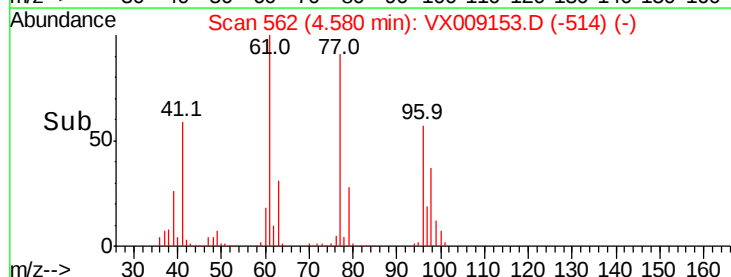
4.50

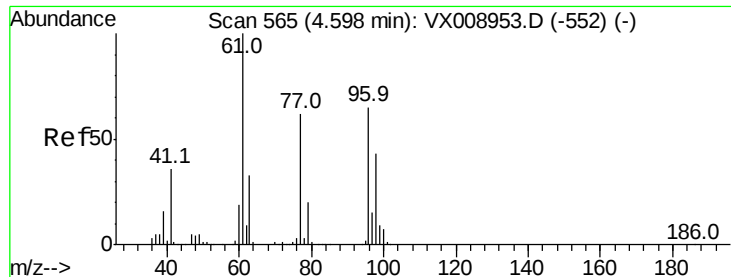
4.60

4.70

4.80

Time-->





#27

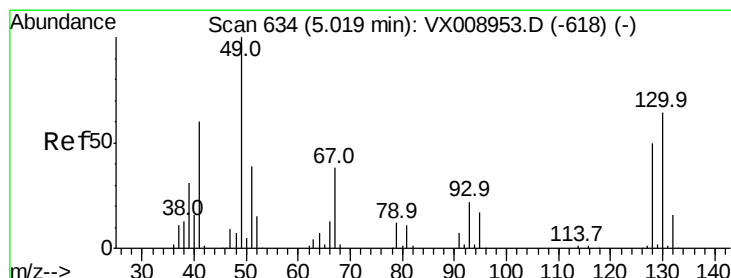
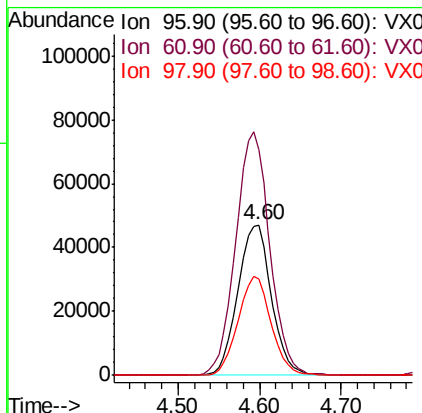
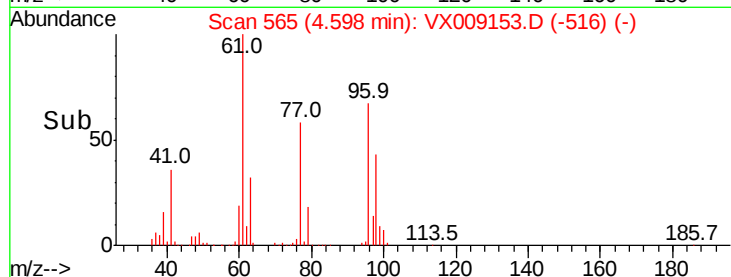
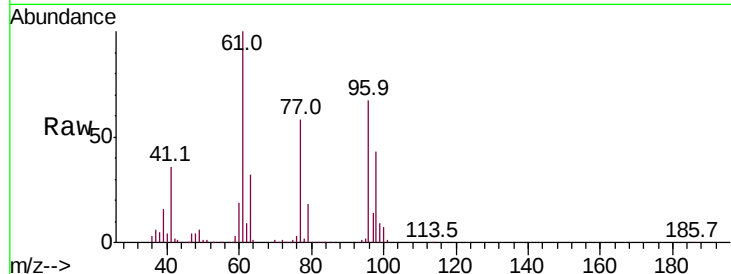
cis-1,2-Dichloroethene
Concen: 48.066 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134622		
61	164.0	0.0	322.0	
98	64.8	0.0	128.4	

Manual Integrations
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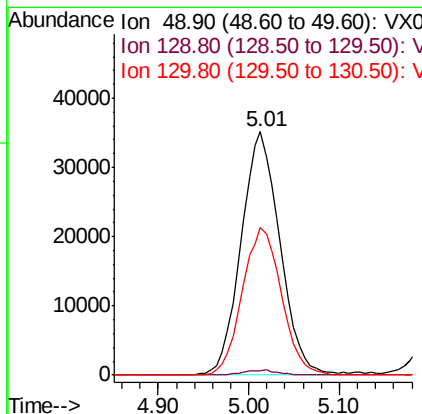
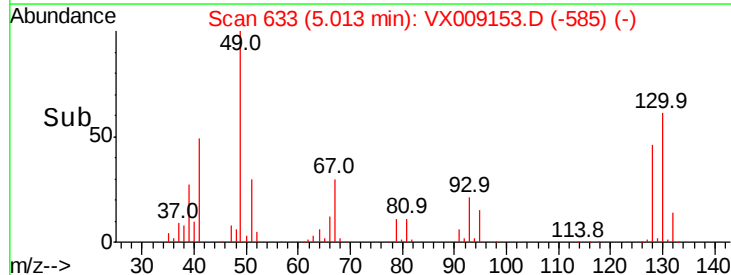
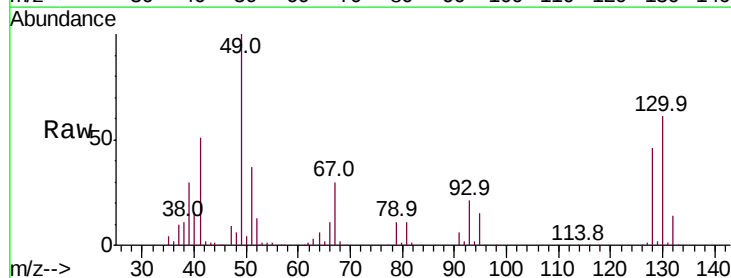
MMDadoda
4/26/2019 10:05:08 AM

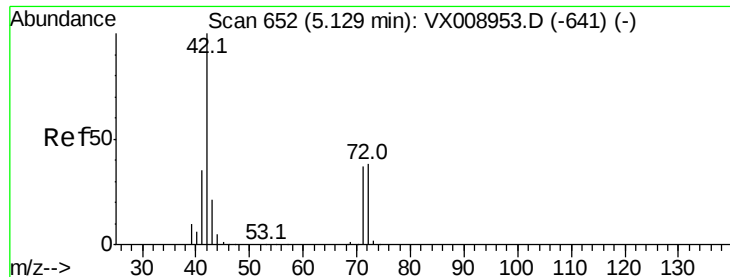


#28

Bromochloromethane
Concen: 50.649 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	103492		
129	1.8	0.0	3.6	
130	61.7	50.4	75.6	





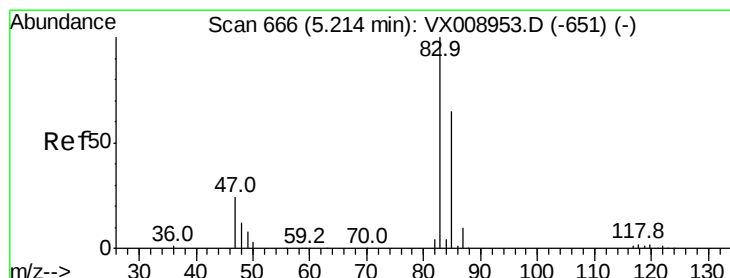
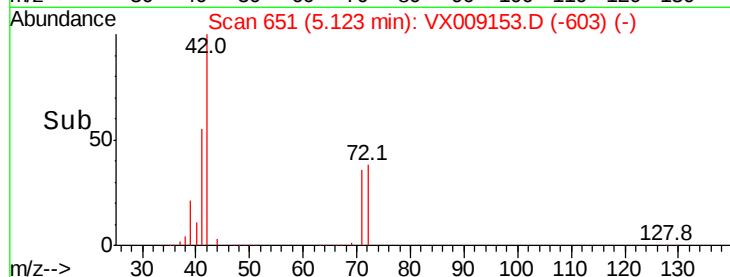
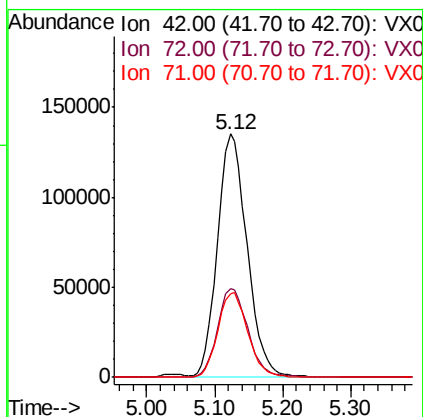
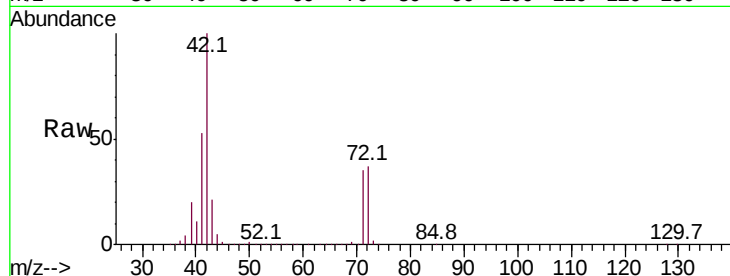
#29
Tetrahydrofuran
Concen: 241.745 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.6	45.8
71	35.5	28.8	43.2

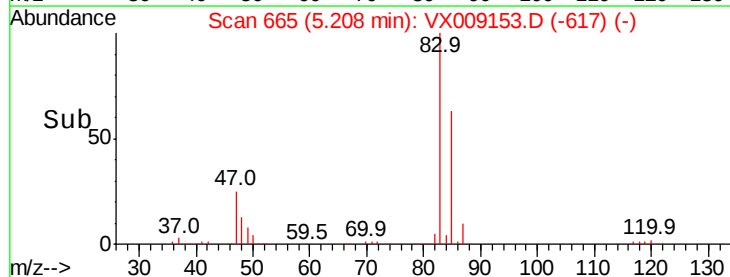
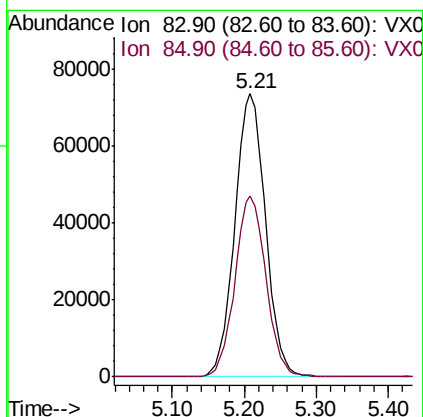
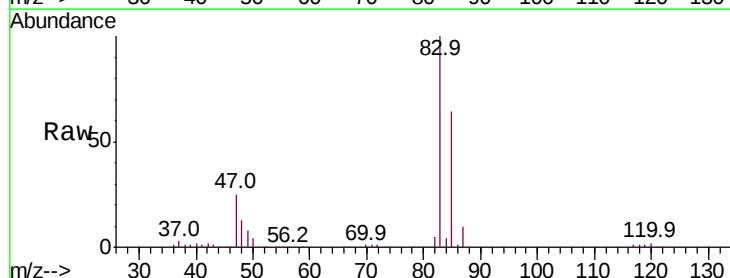
Manual Integrations
APPROVED

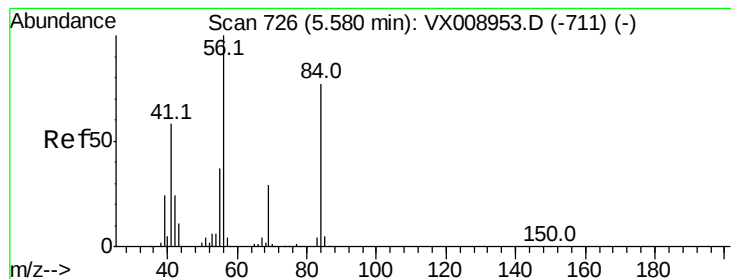
MMDadoda
4/26/2019 10:05:08 AM



#30
Chloroform
Concen: 49.361 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9





#31

Cyclohexane

Concen: 49.885 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 241486

Ion Ratio Lower Upper

56 100

69 28.8 23.3 34.9

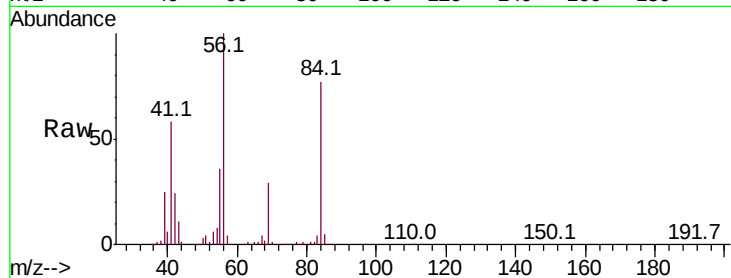
84 75.4 61.7 92.5

Manual Integrations

APPROVED

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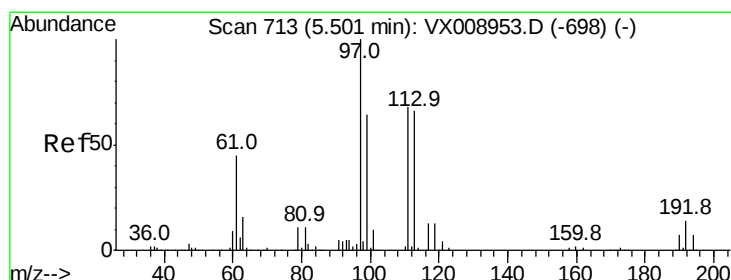
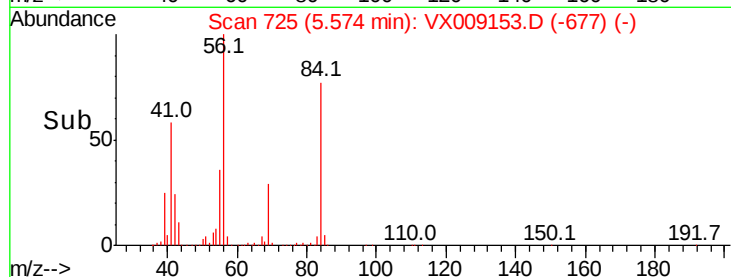
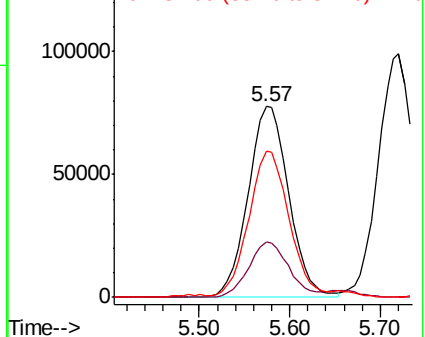
4/26/2019 10:05:08 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.781 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

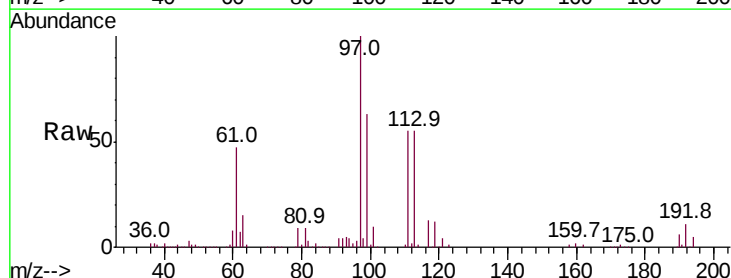
Tgt Ion: 97 Resp: 181717

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

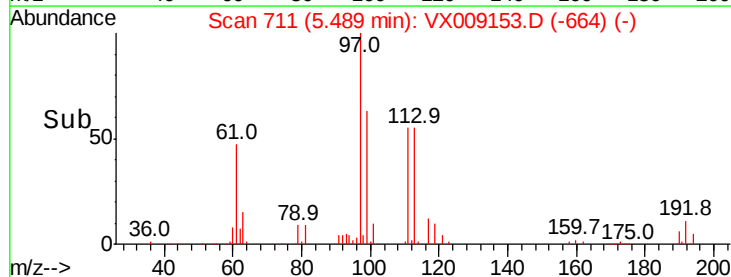
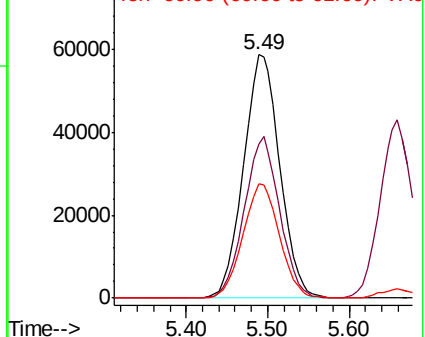
61 47.4 37.9 56.9

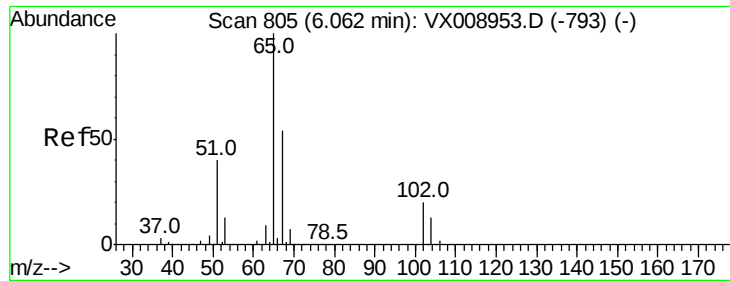


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





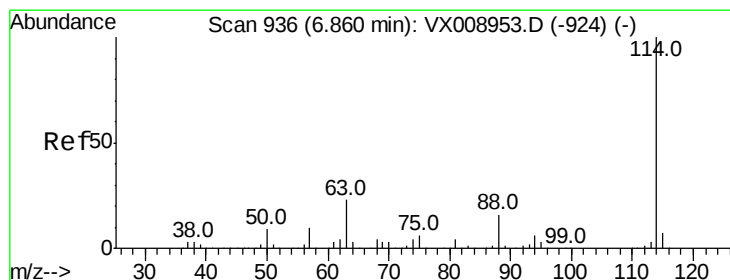
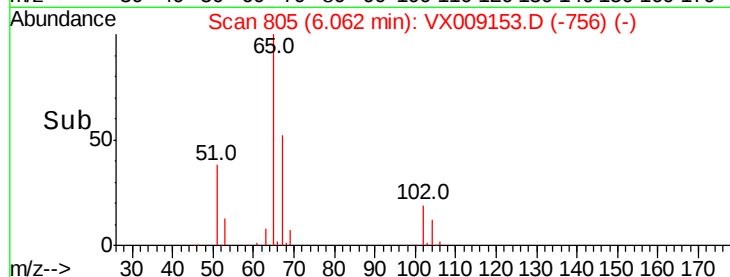
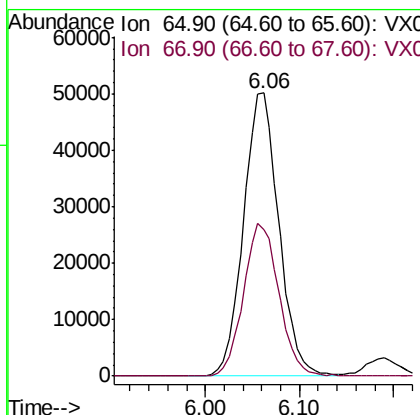
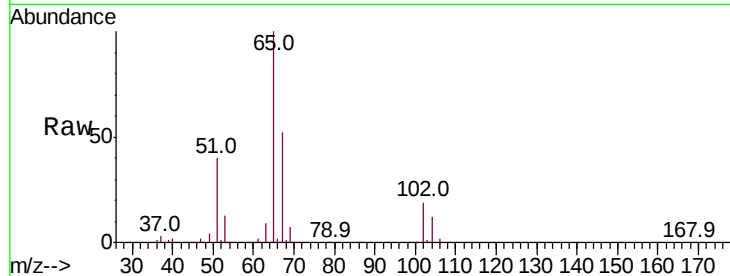
#33
 1,2-Dichloroethane-d4
 Concen: 43.374 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.6

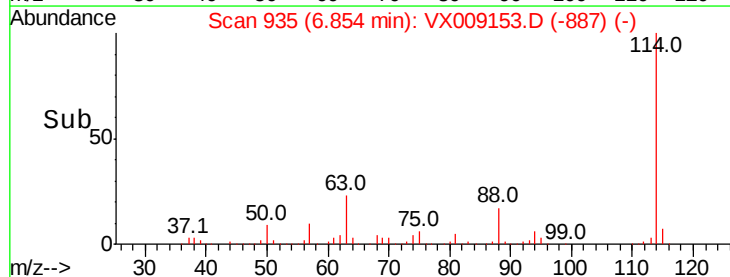
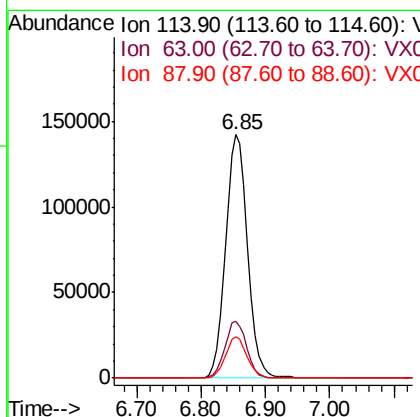
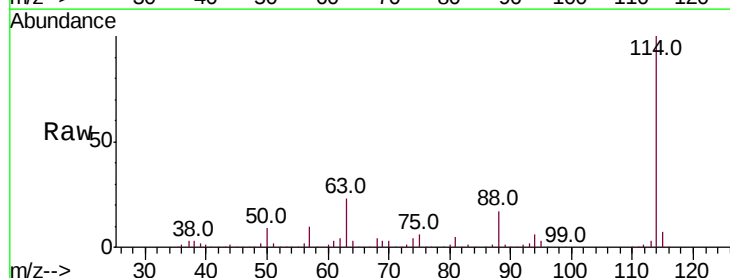
Manual Integrations
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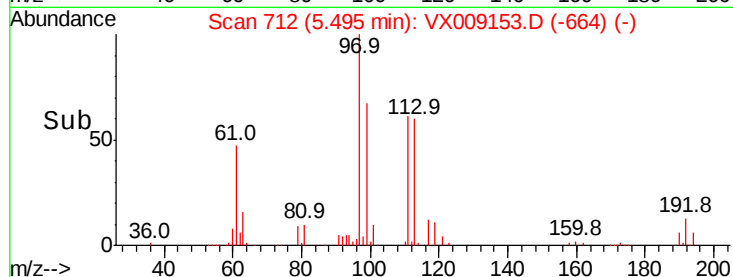
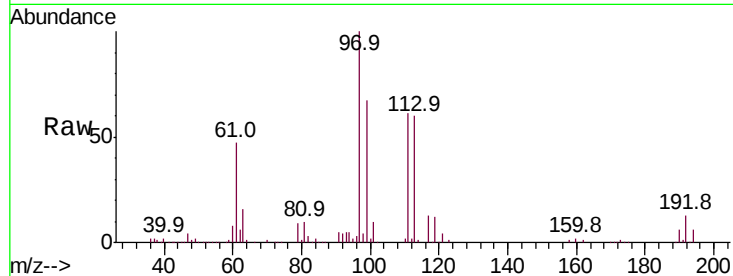
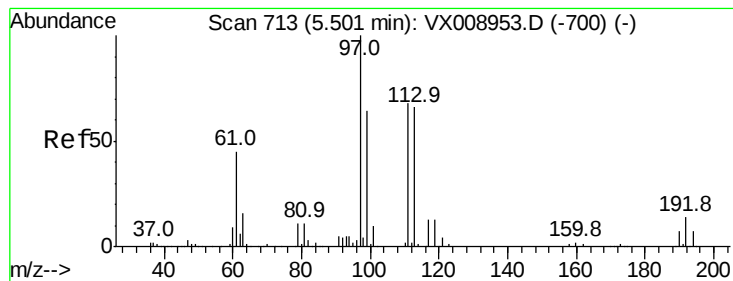
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 4/26/2019 10:05:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.0
88	16.8	0.0	32.6





#35

Dibromofluoromethane

Concen: 44.881 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009153.D

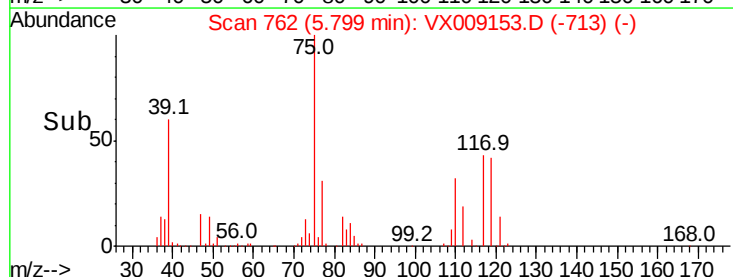
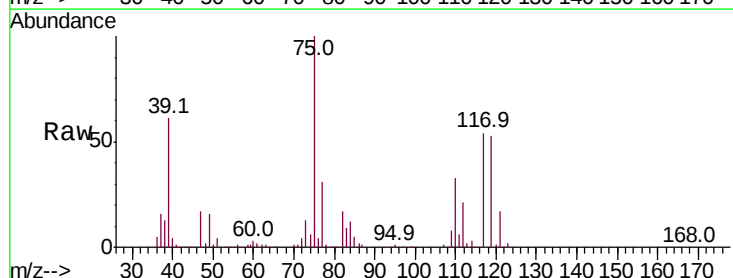
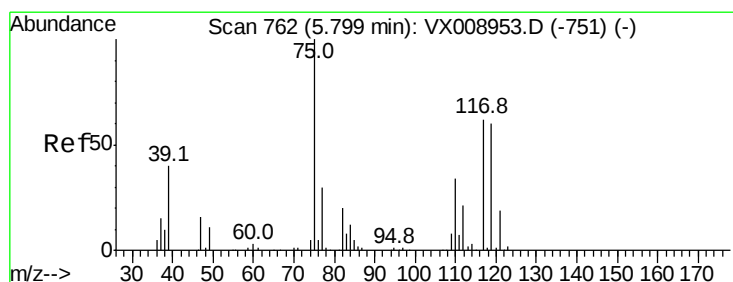
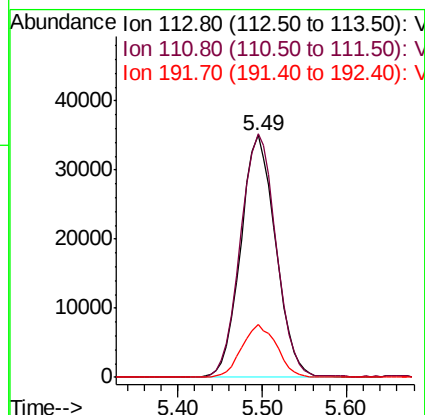
Acq: 25 Apr 2019 11:10

Tot Ion:	113	Resp:	98461
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.9	124.3
192	21.8	17.4	26.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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4/26/2019 10:05:08 AM



#36

1,1-Dichloropropene

Concen: 48.647 ug/l

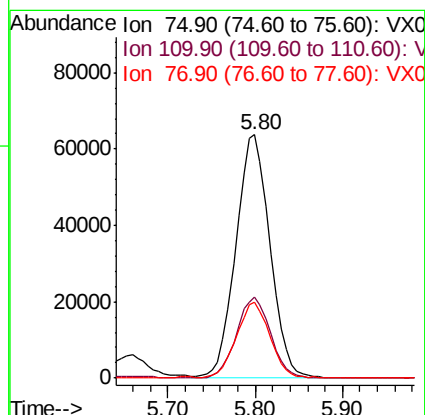
RT: 5.80 min Scan# 762

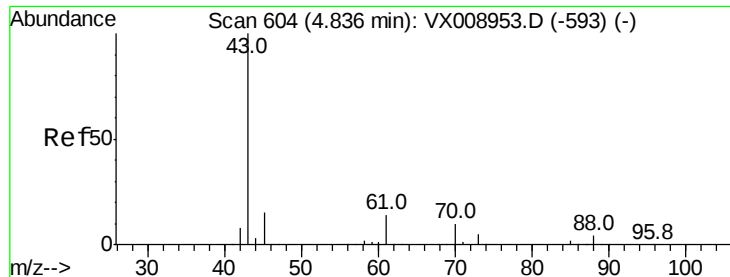
Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion:	75	Resp:	171983
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.9	50.7
77	30.8	25.0	37.4





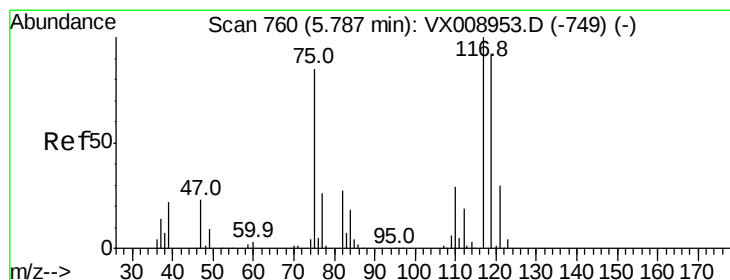
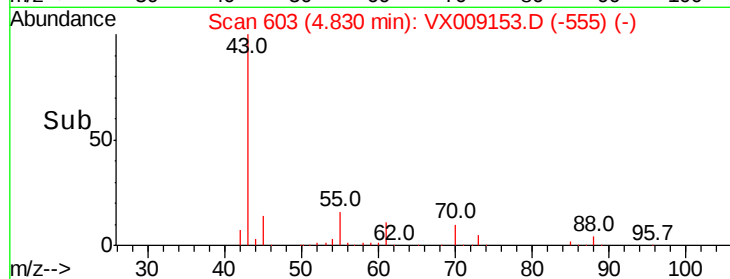
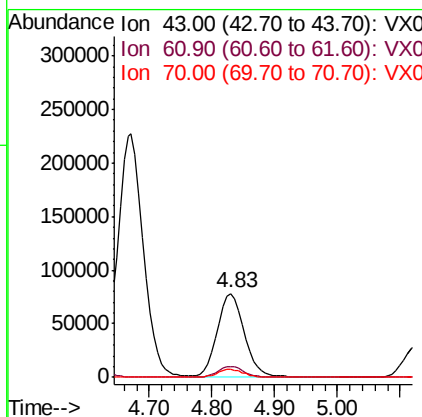
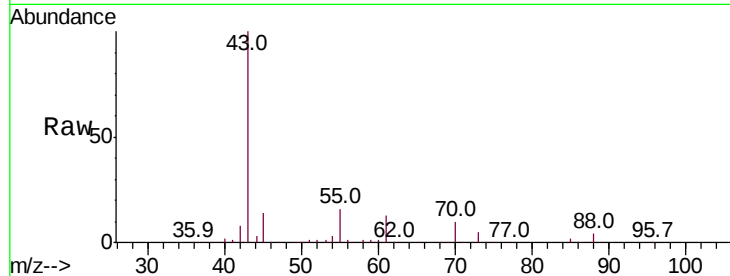
#37
Ethyl Acetate
Concen: 51.398 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.6	15.8
70	9.5	7.7	11.5

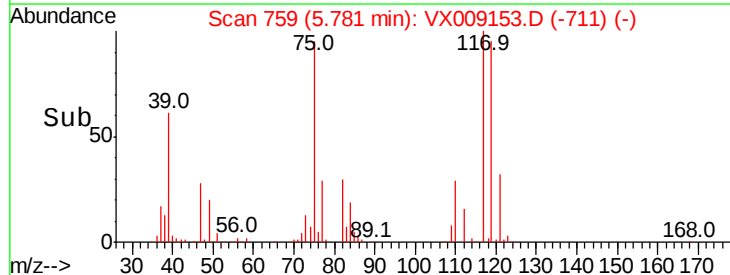
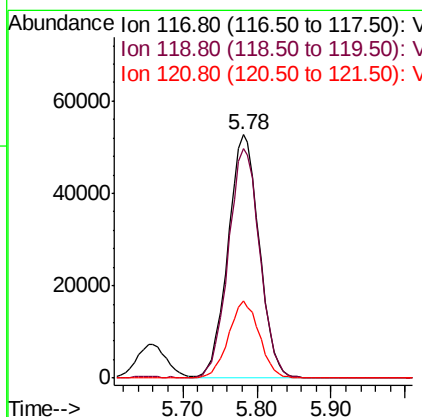
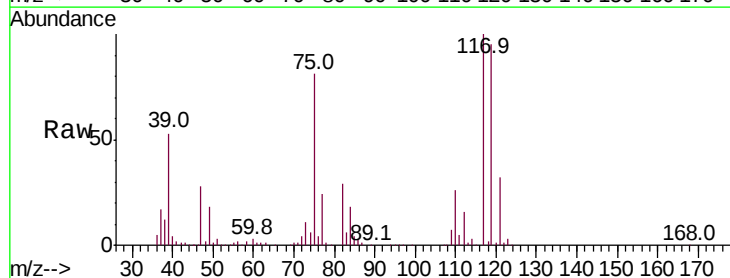
Manual Integrations
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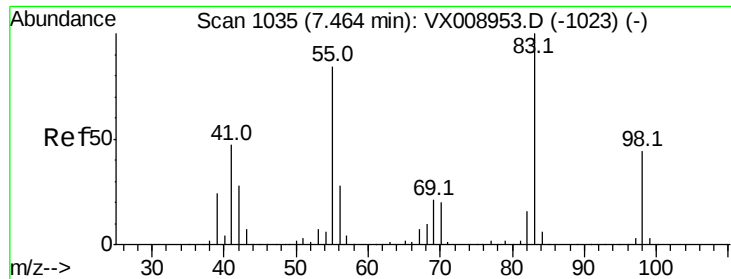
MMDadoda
4/26/2019 10:05:08 AM



#38
Carbon Tetrachloride
Concen: 51.669 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.8	110.8
121	31.5	23.6	35.4





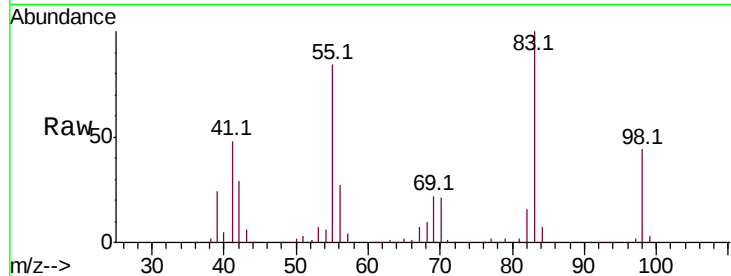
#39
Methvlcvclohexane
Concen: 52.133 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

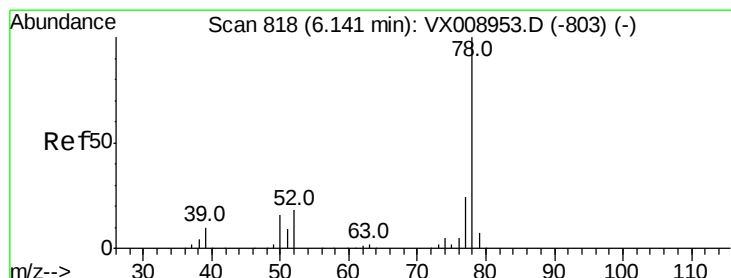
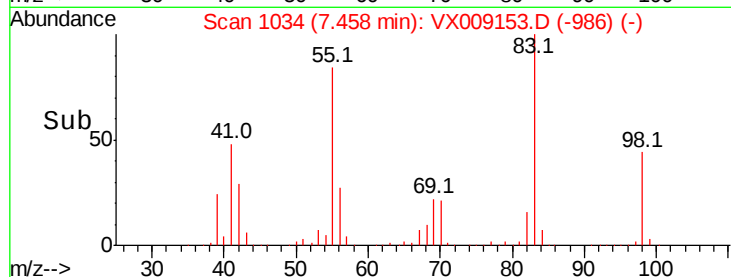
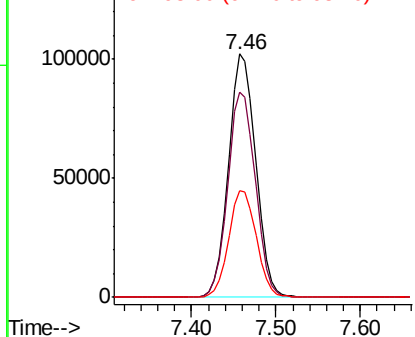
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.3	67.1	100.7	
98	43.7	35.1	52.7	

Manual Integrations
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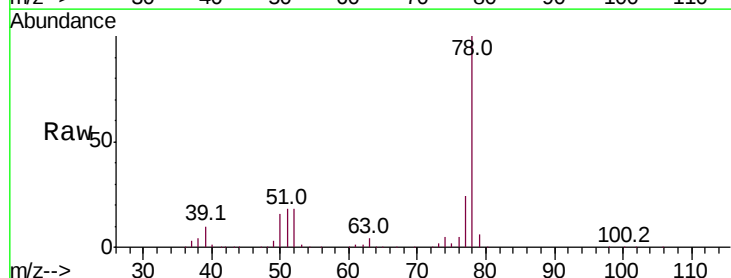


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

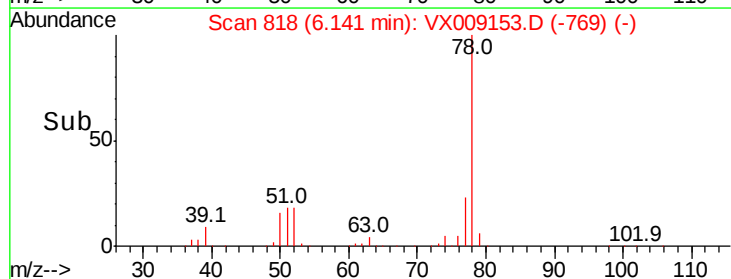
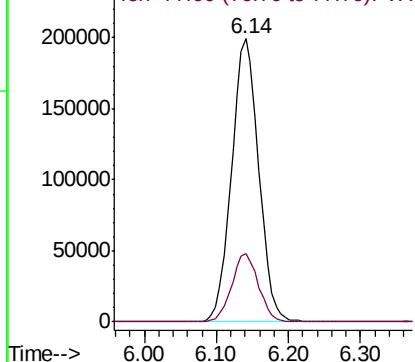


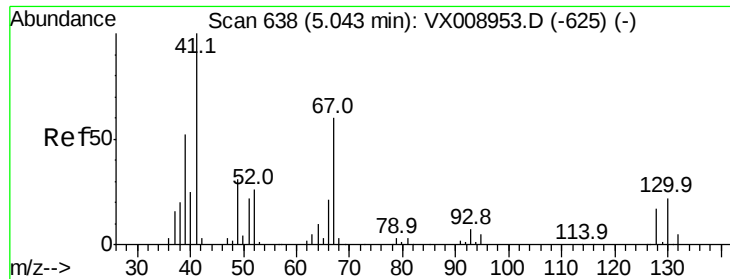
#40
Benzene
Concen: 49.950 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.0	28.6	



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





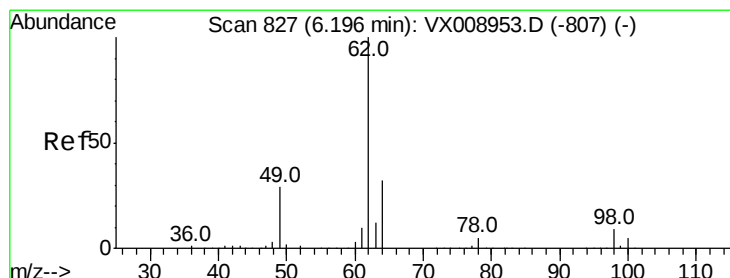
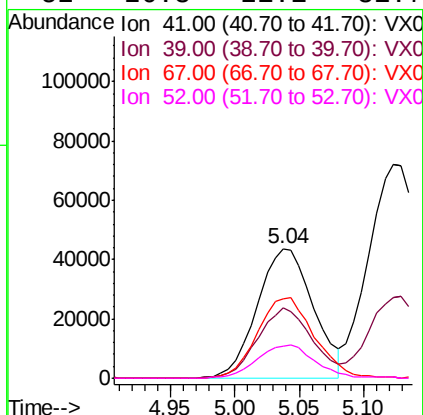
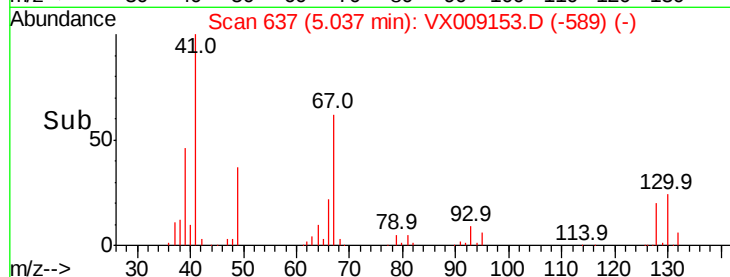
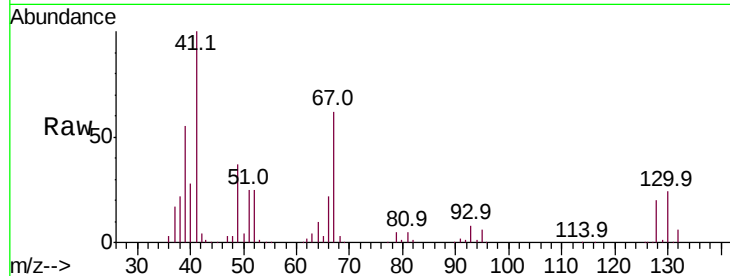
#41
Methacrylonitrile
Concen: 50.364 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.8	62.6	
67	64.0	50.2	75.4	
52	26.3	21.1	31.7	

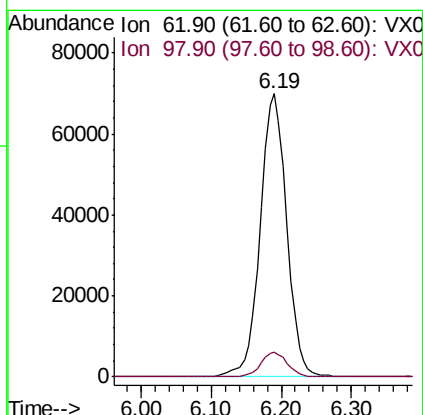
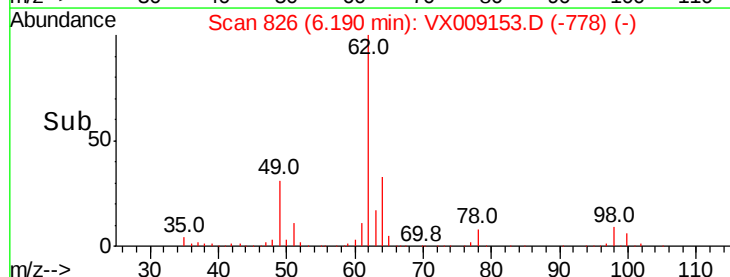
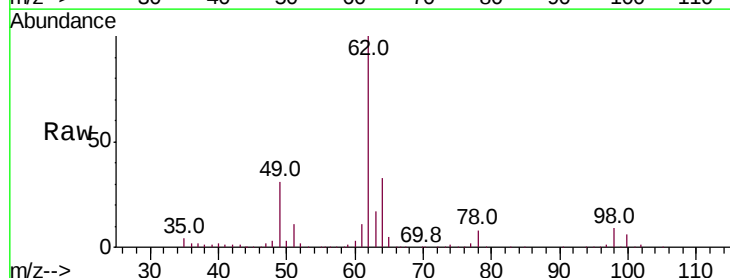
Manual Integrations
APPROVED

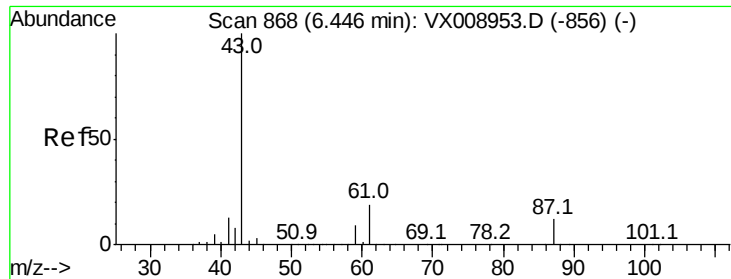
MMDadoda
4/26/2019 10:05:08 AM



#42
1,2-Dichloroethane
Concen: 49.858 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.4	





#43

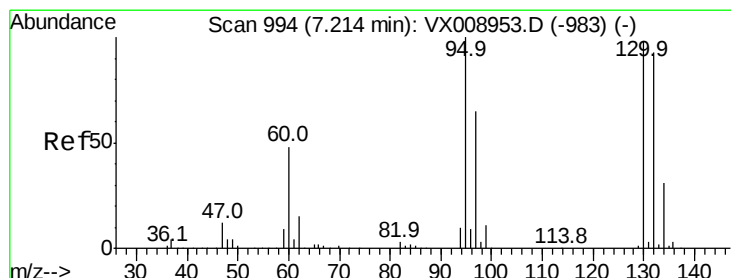
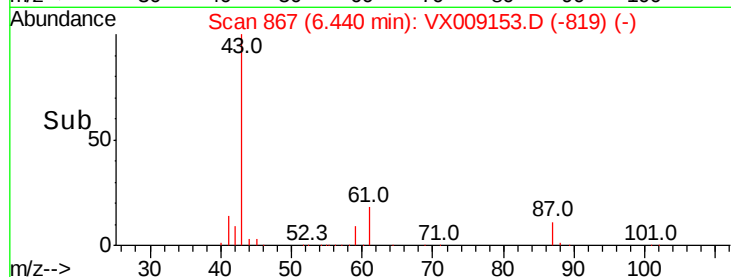
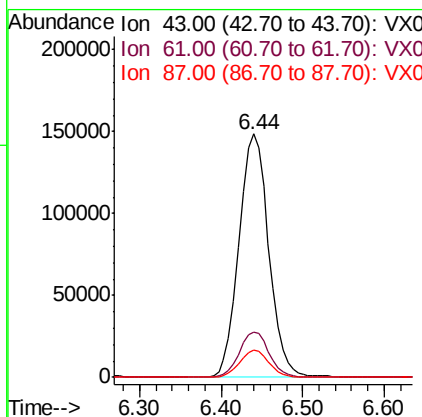
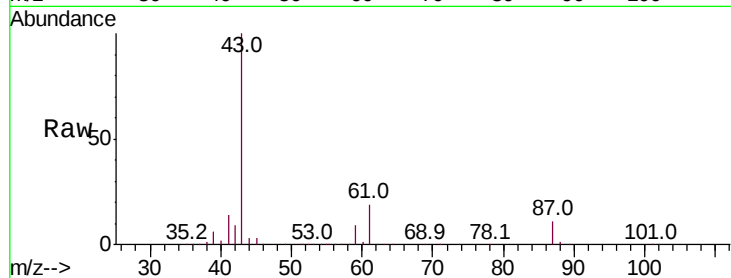
Isopropyl Acetate
 Concen: 51.226 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	375533
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.1	9.0	13.4

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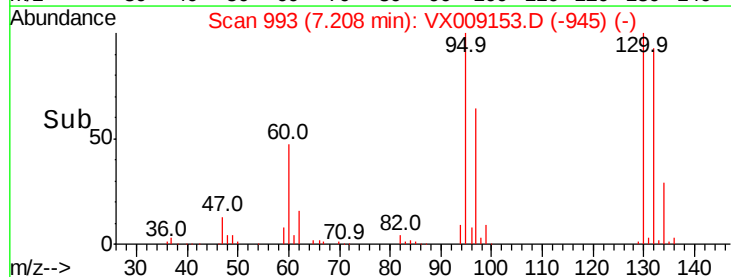
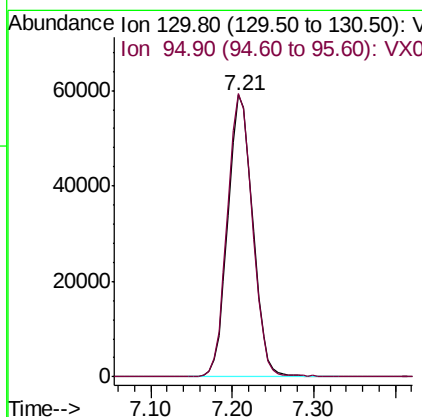
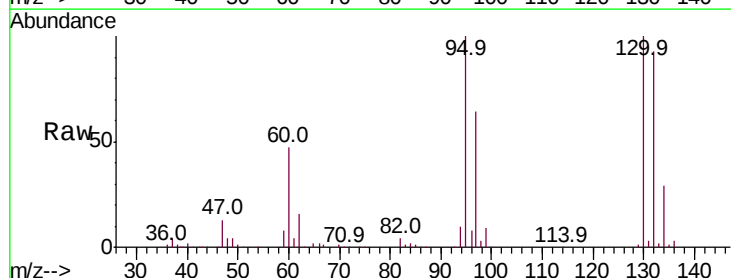
MMDadoda
 4/26/2019 10:05:08 AM

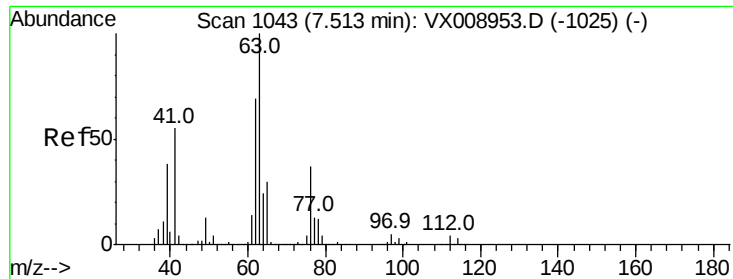


#44

Trichloroethene
 Concen: 48.746 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion	130	Resp	124566
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	203.2





#45

1,2-Dichloropropane

Concen: 50.707 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 146715

Ion Ratio Lower Upper

63 100

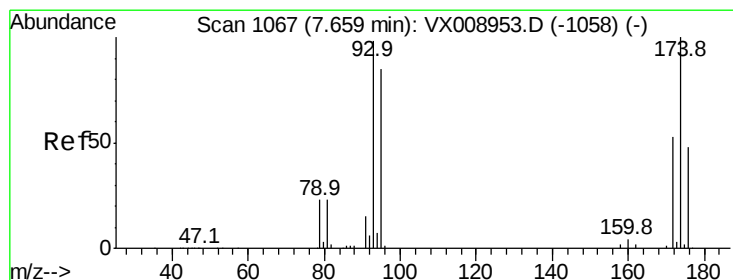
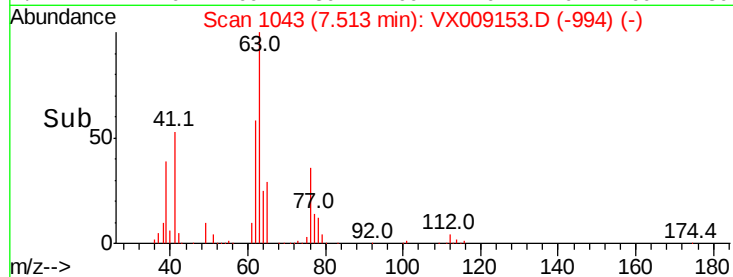
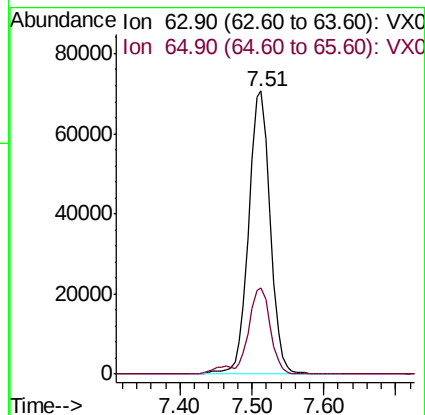
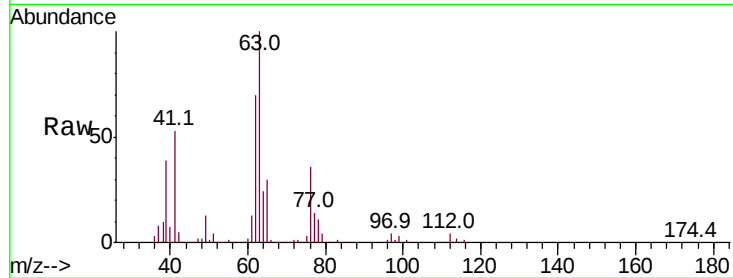
65 30.4 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 49.539 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

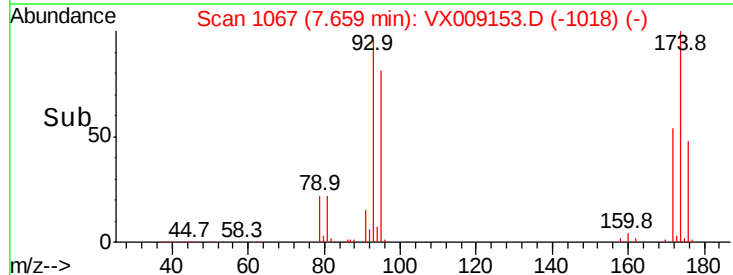
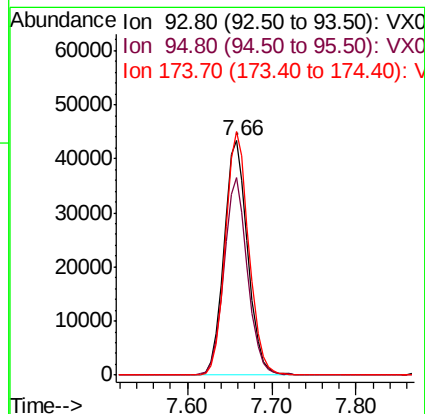
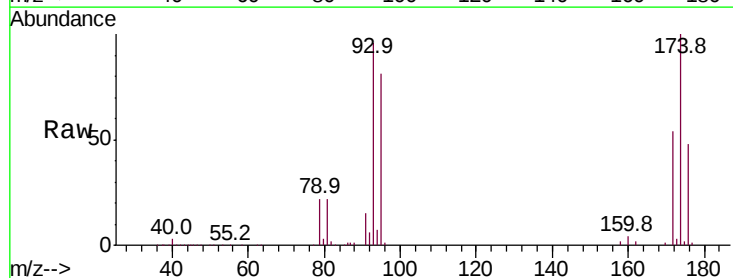
Tgt Ion: 93 Resp: 83417

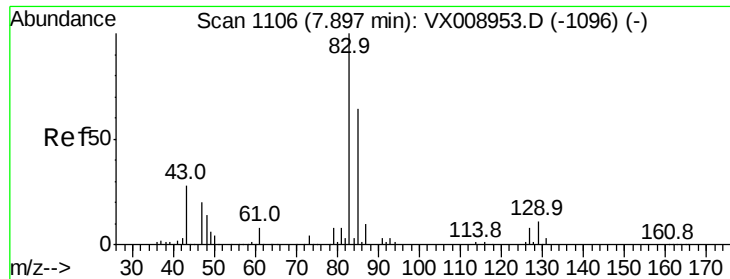
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.4

174 103.0 81.6 122.4





#47

Bromodichloromethane

Concen: 51.831 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

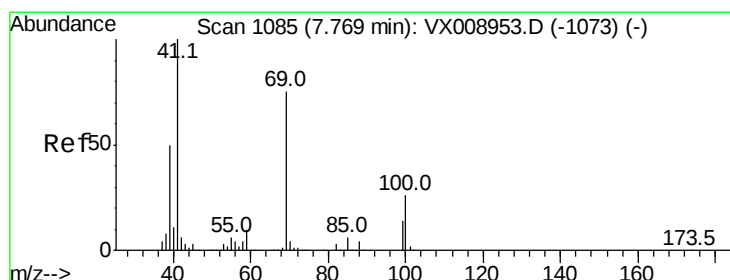
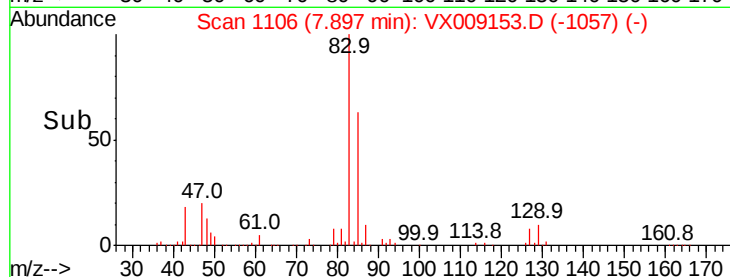
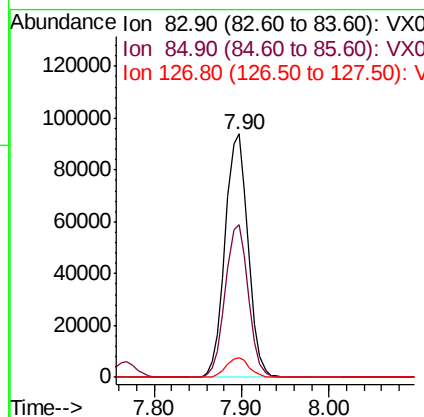
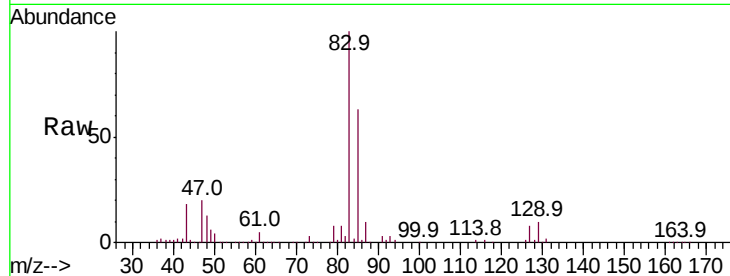
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	171183
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.8	76.2
127	7.8	6.4	9.6

Manual Integrations
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4/26/2019 10:05:08 AM



#48

Methyl methacrylate

Concen: 51.768 ug/l

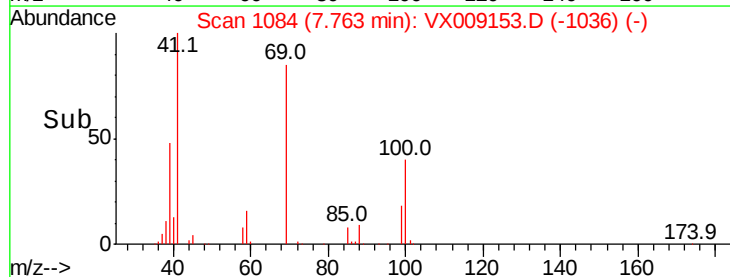
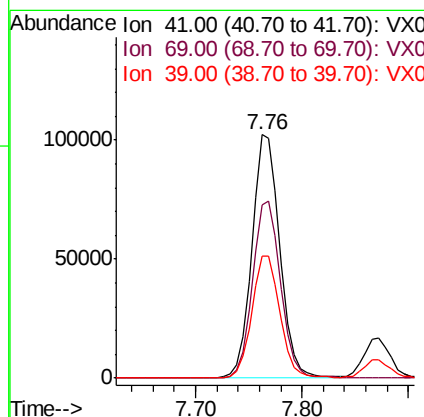
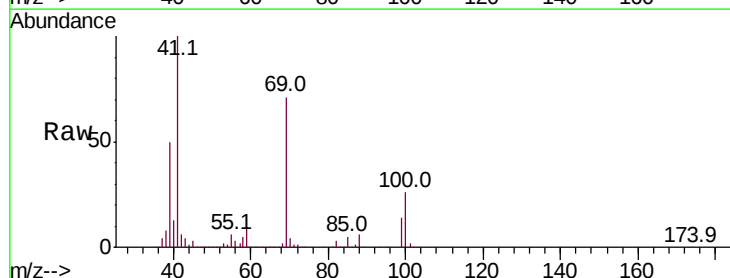
RT: 7.76 min Scan# 1084

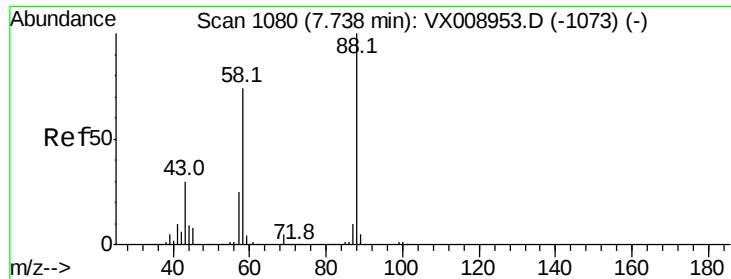
Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion:	41	Resp:	187521
Ion Ratio	Lower	Upper	
41	100		
69	73.7	59.4	89.2
39	50.7	39.8	59.6





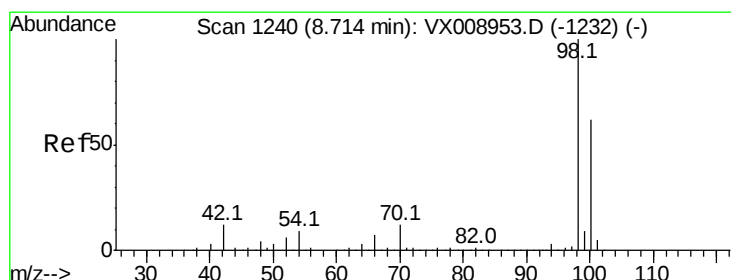
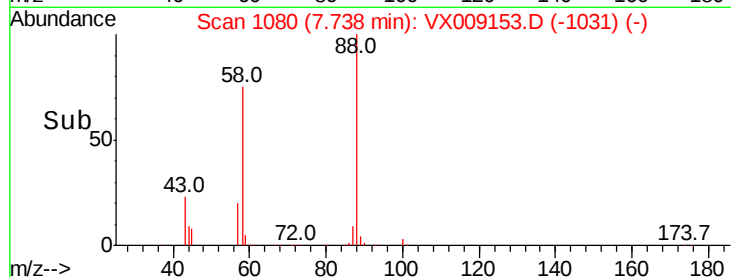
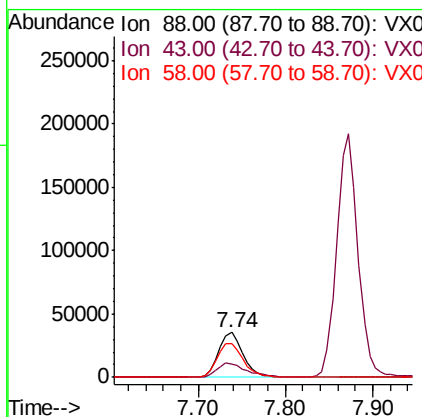
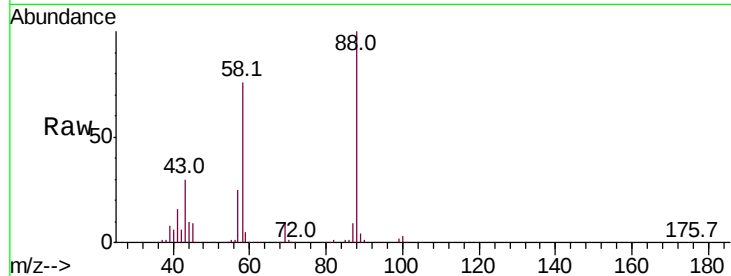
#49
1,4-Dioxane
Concen: 1017.844 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	29.3	43.9
58	80.5	62.6	93.8

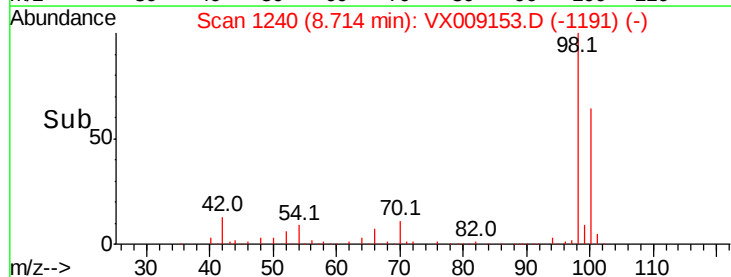
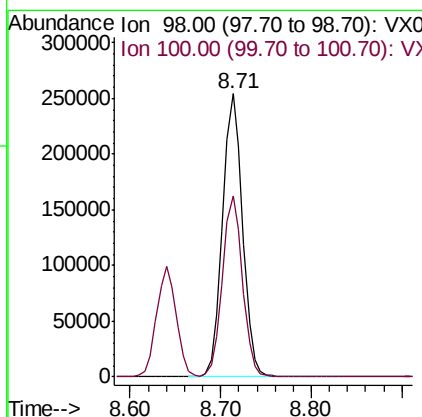
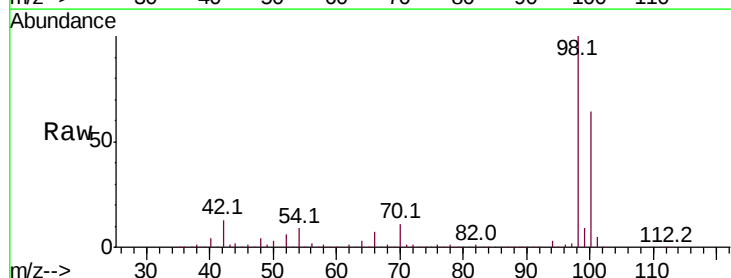
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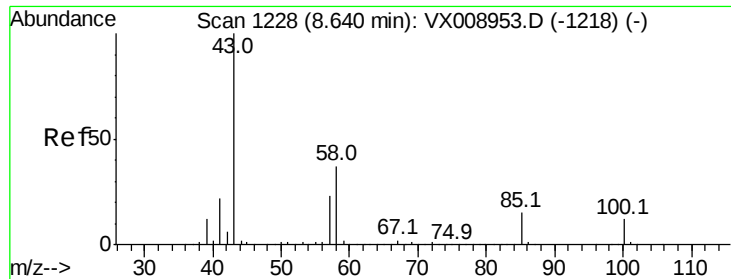
MMdadoda
4/26/2019 10:05:08 AM



#50
Toluene-d8
Concen: 44.753 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 260.640 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tot Ion: 43 Resp: 1217288

Ion Ratio Lower Upper

43 100

58 36.6 29.8 44.6

Instrument :

MSVOA_X

ClientSampleId :

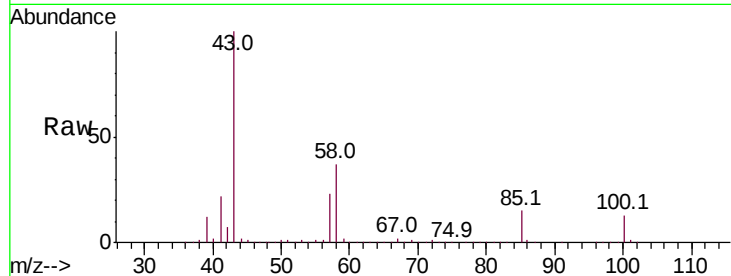
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

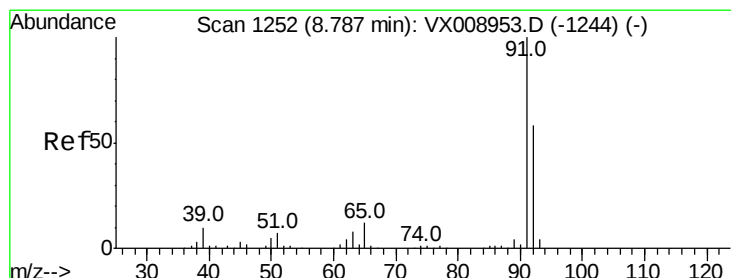
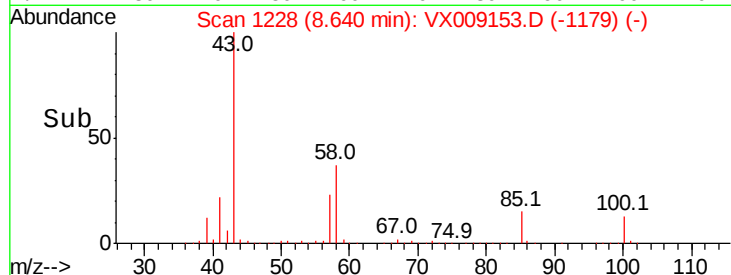
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.445 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009153.D

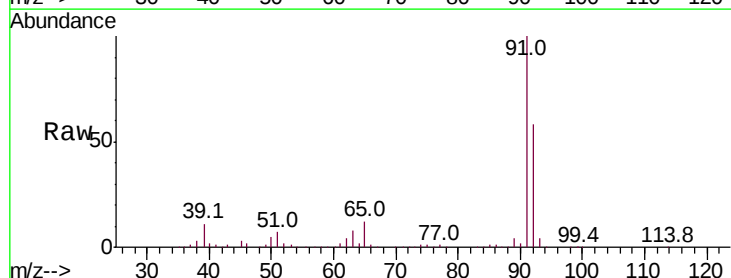
Acq: 25 Apr 2019 11:10

Tgt Ion: 92 Resp: 315307

Ion Ratio Lower Upper

92 100

91 173.4 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

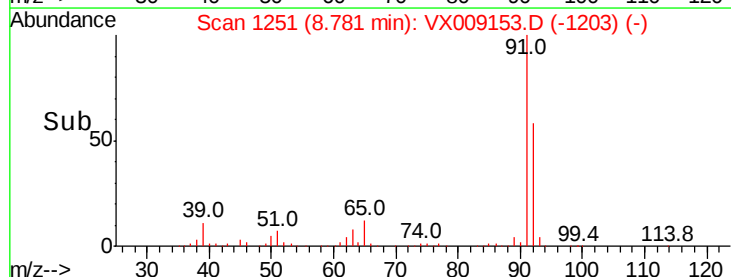
300000

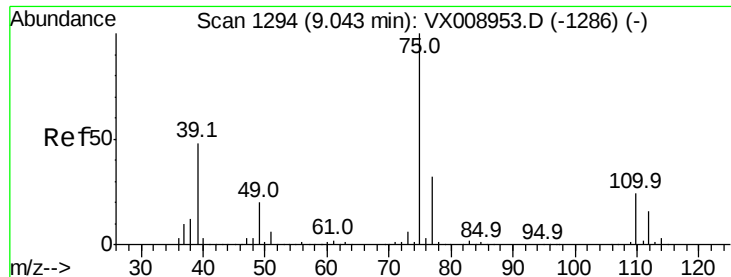
200000

100000

0

Time-->





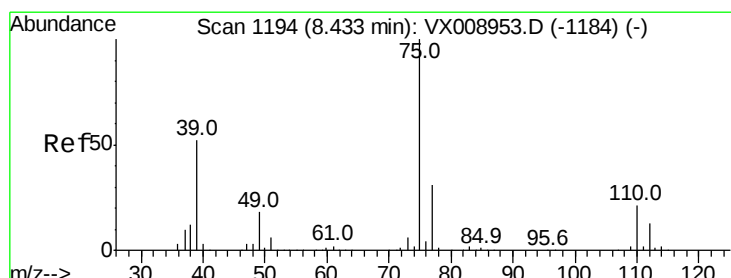
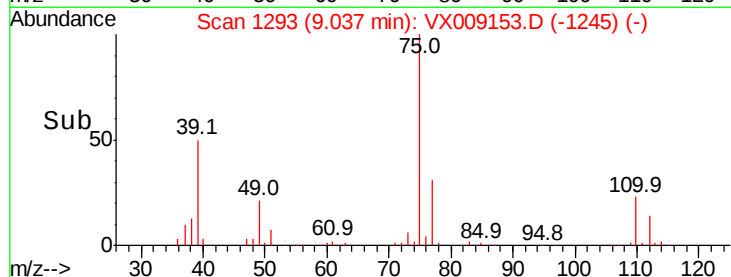
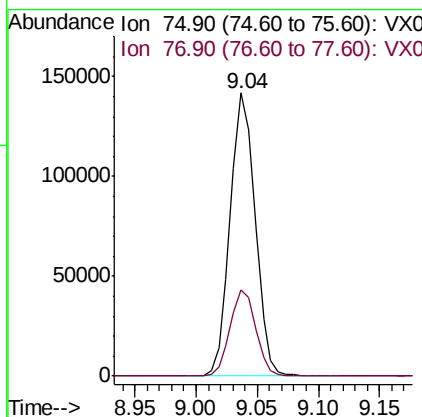
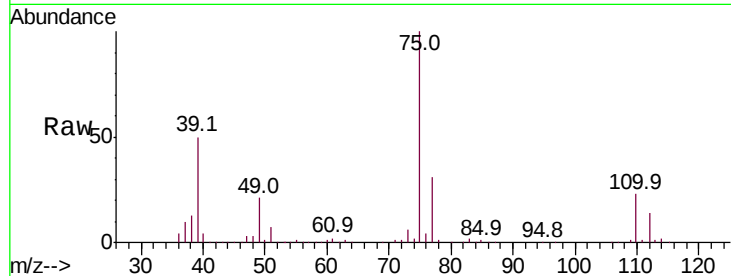
#53
 t-1,3-Dichloropropene
 Concen: 52.995 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 201432
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2

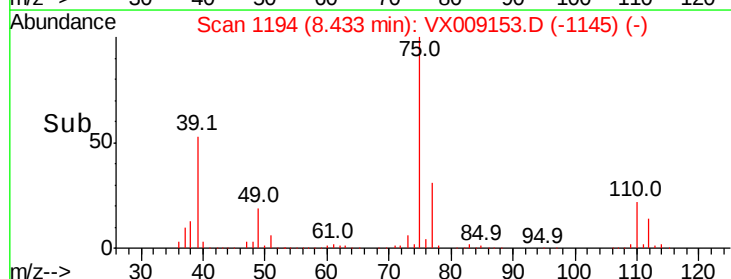
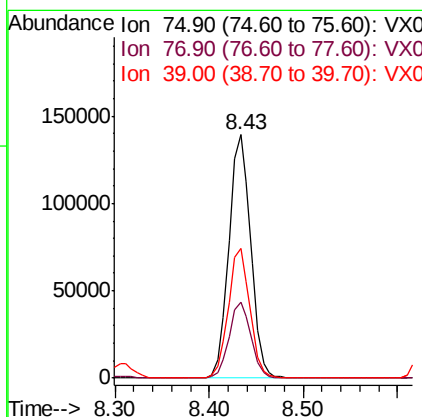
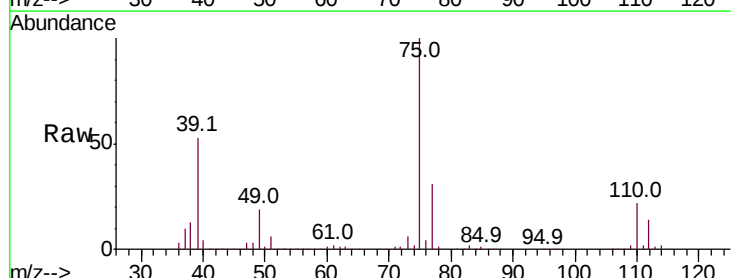
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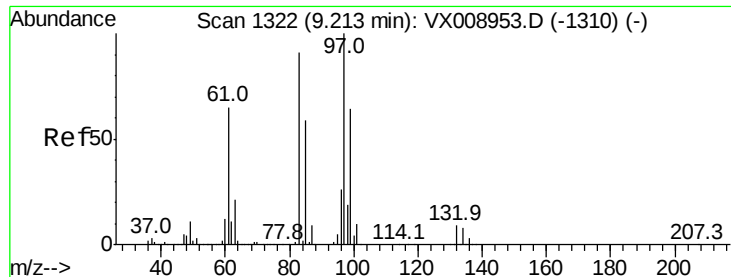
MMdadoda
 4/26/2019 10:05:08 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.556 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion: 75 Resp: 223680
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2
 39 53.3 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 50.688 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

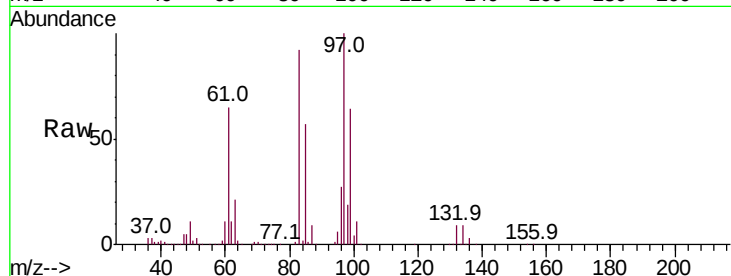
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.6	108.8
85	57.1	46.9	70.3
99	63.6	51.0	76.6

Manual Integrations
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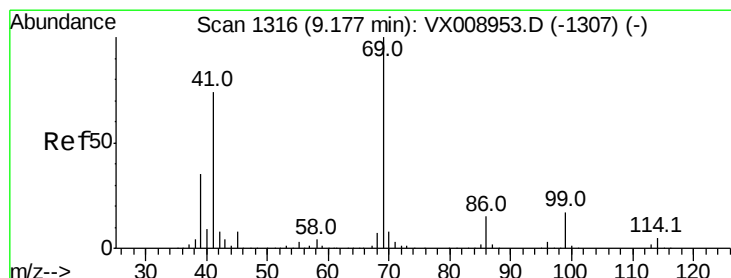
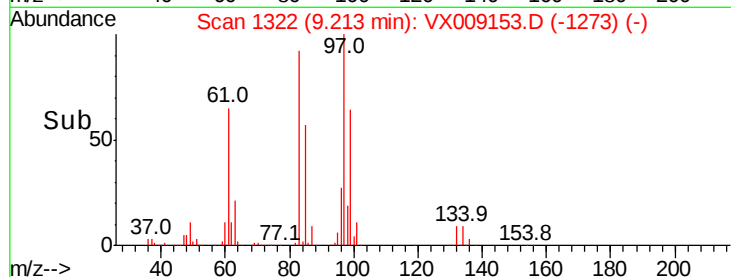
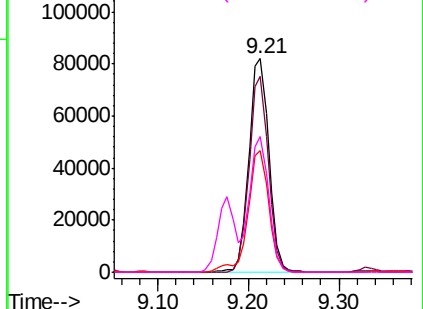
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.438 ug/l

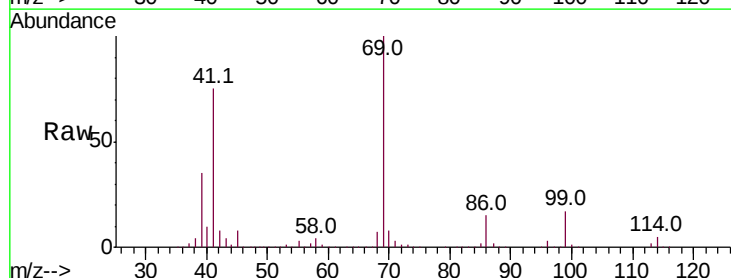
RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.2	90.2
39	35.8	27.9	41.9

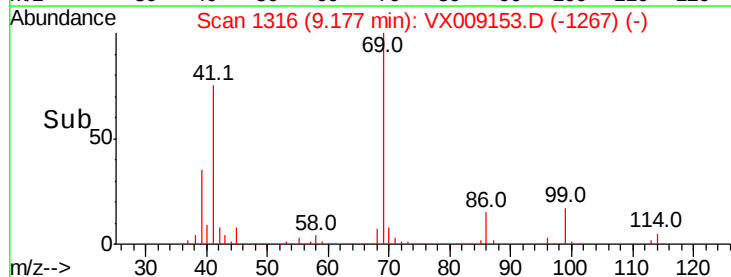
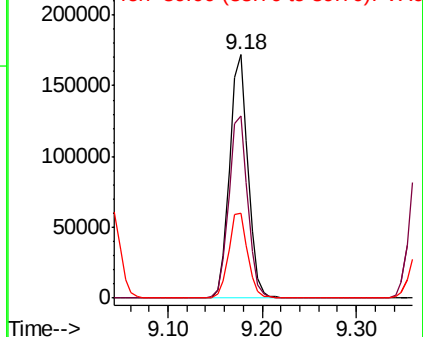


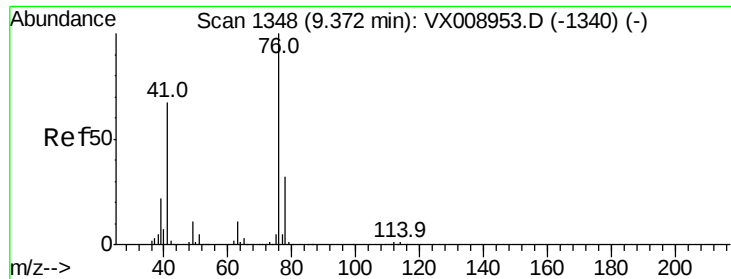
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.836 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 224227

Ion Ratio Lower Upper

76 100

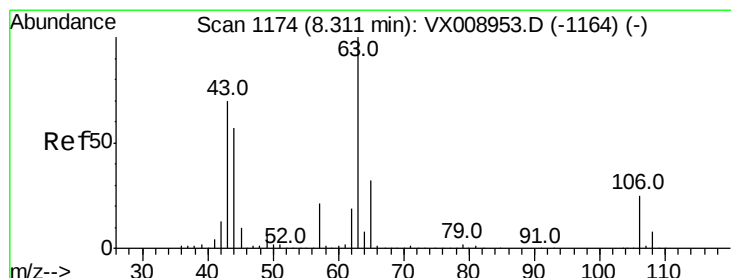
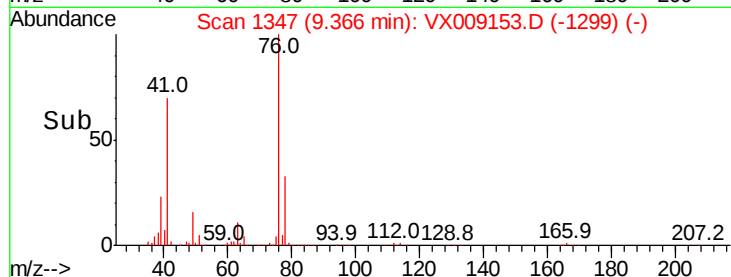
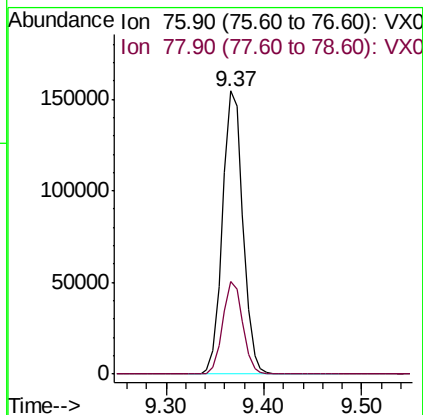
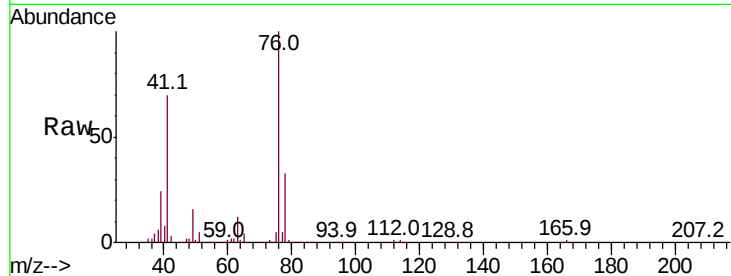
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 279.202 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009153.D

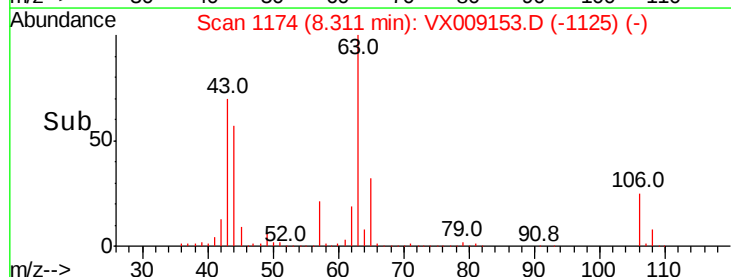
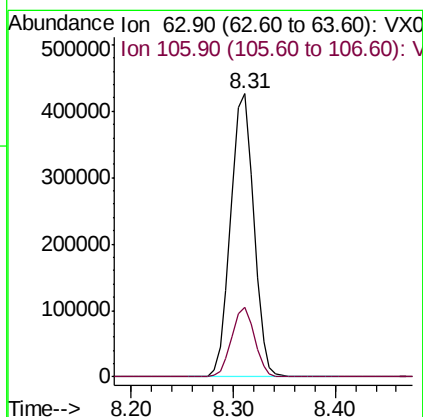
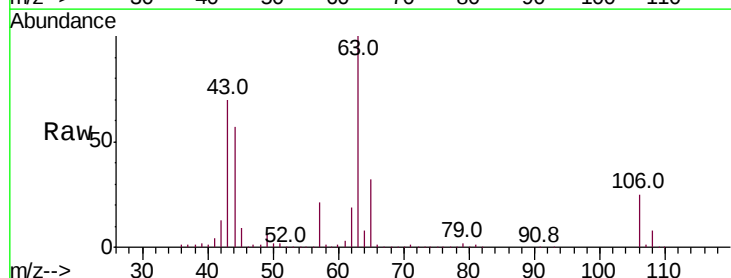
Acq: 25 Apr 2019 11:10

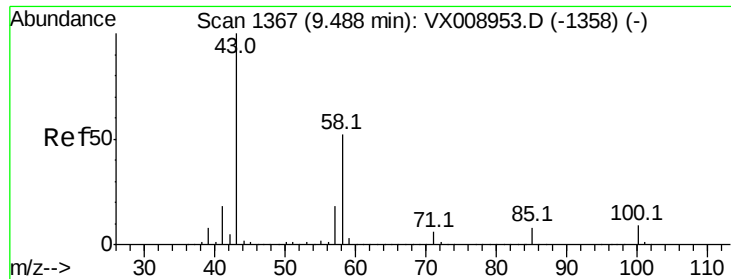
Tgt Ion: 63 Resp: 667853

Ion Ratio Lower Upper

63 100

106 24.4 19.8 29.6





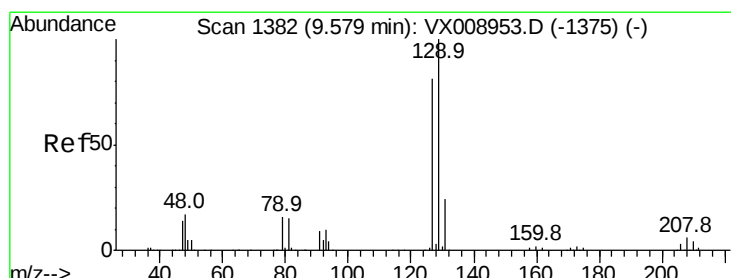
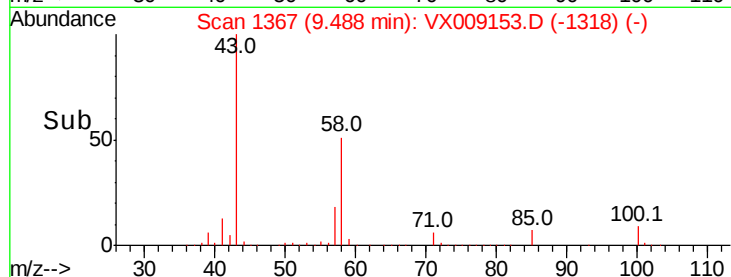
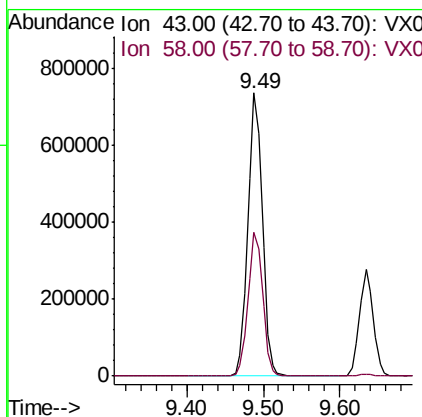
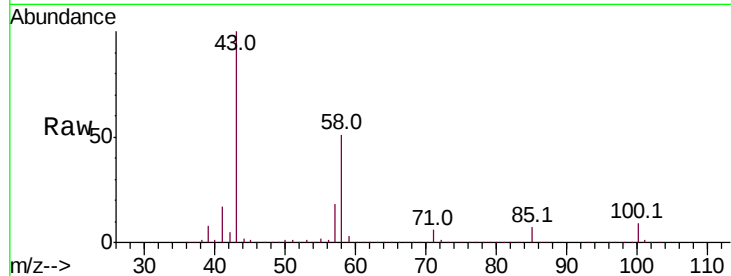
#59
2-Hexanone
Concen: 269.400 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 970045
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8

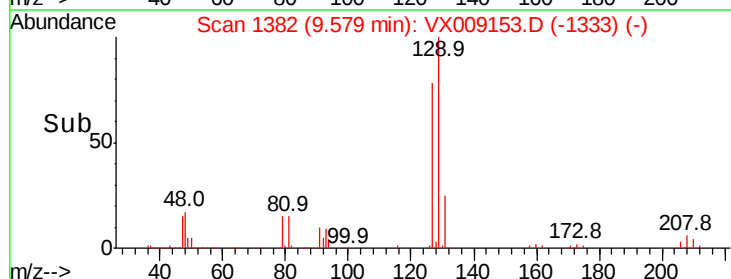
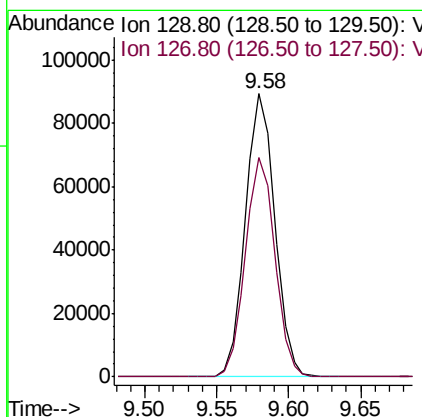
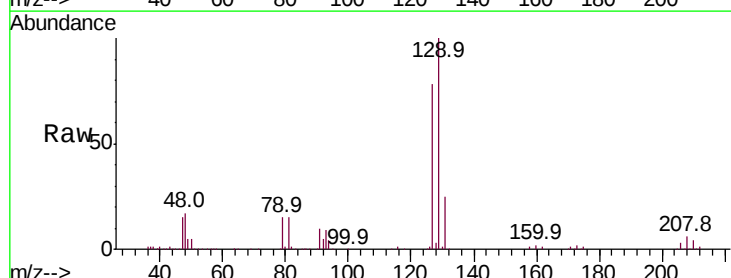
Manual Integrations
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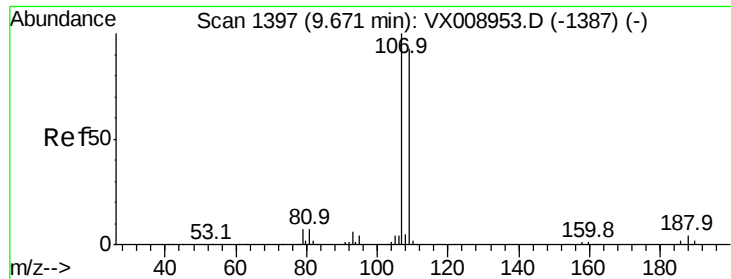
MMdadoda
4/26/2019 10:05:08 AM



#60
Dibromochloromethane
Concen: 53.162 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion: 129 Resp: 126219
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.810 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 129908

Ion Ratio Lower Upper

107 100

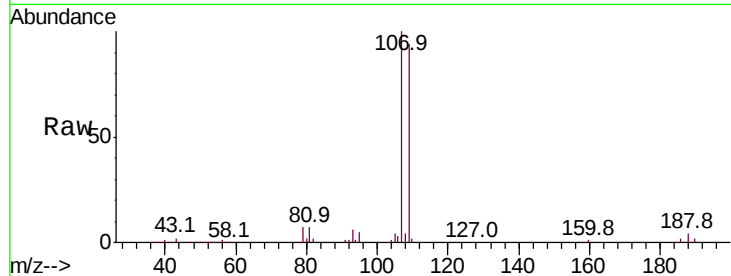
109 93.7 74.4 111.6

Manual Integrations

APPROVED

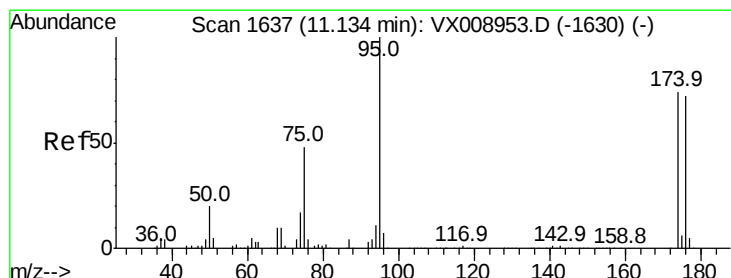
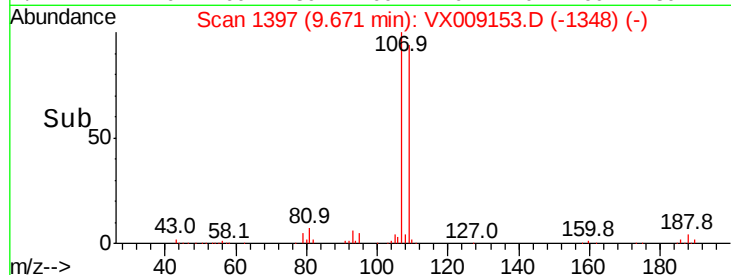
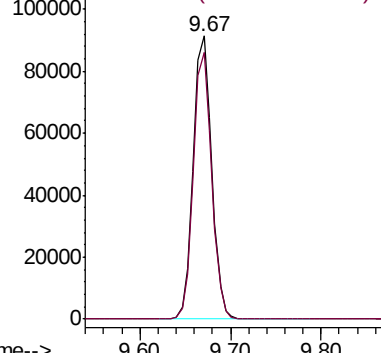
MMdadoda

4/26/2019 10:05:08 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.801 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

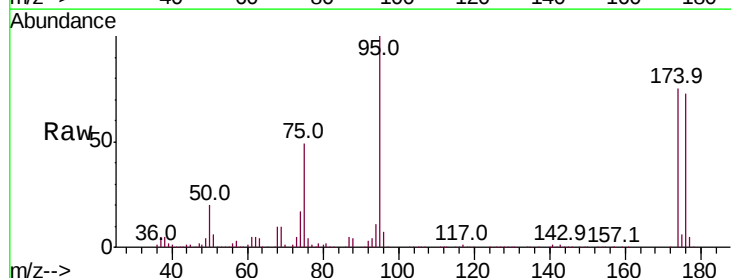
Tgt Ion: 95 Resp: 147630

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

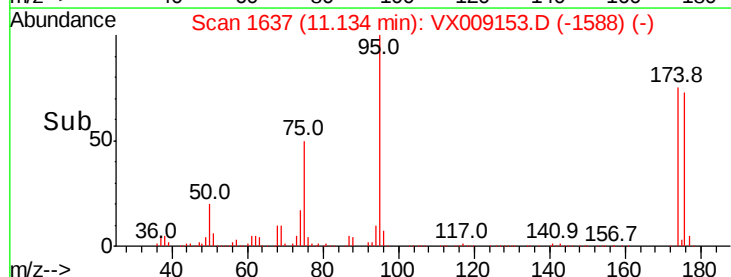
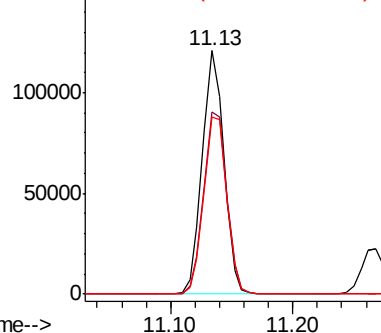
176 77.4 0.0 154.8

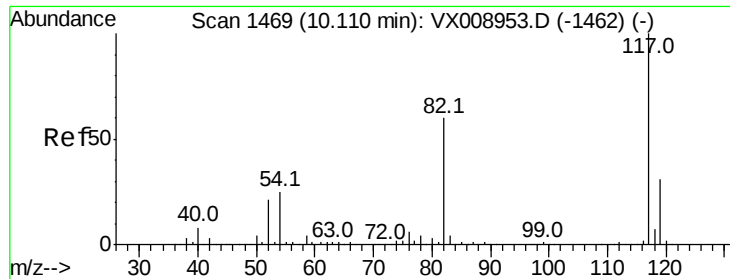


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





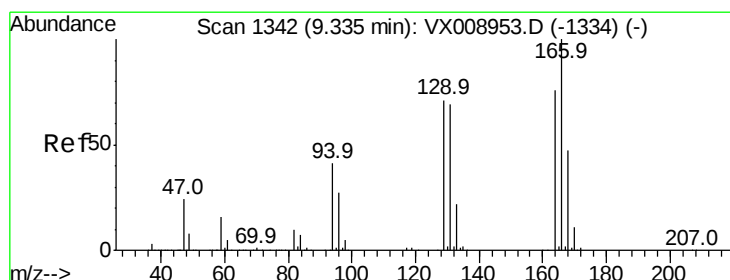
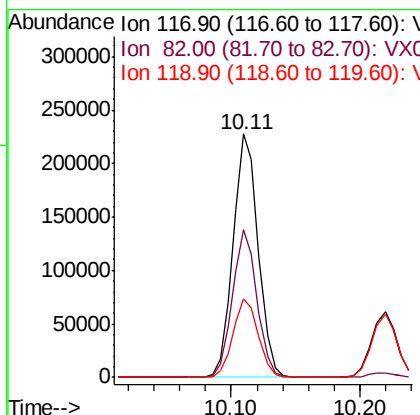
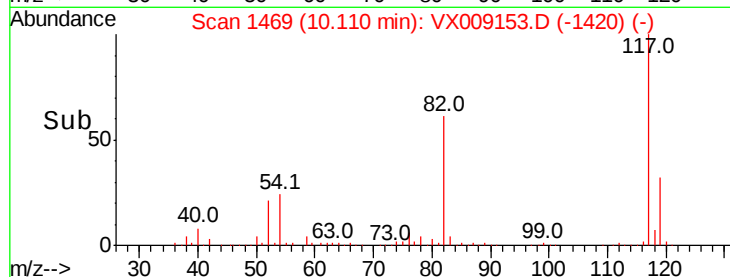
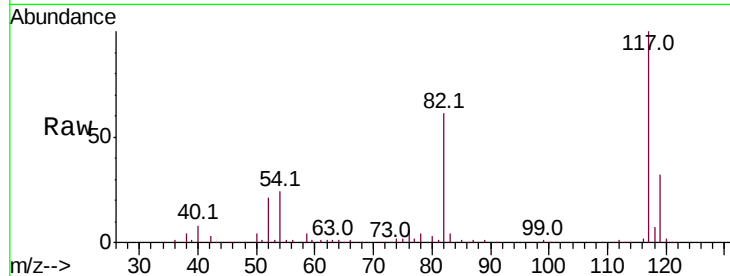
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	48.2	72.4
119	32.2	25.0	37.6

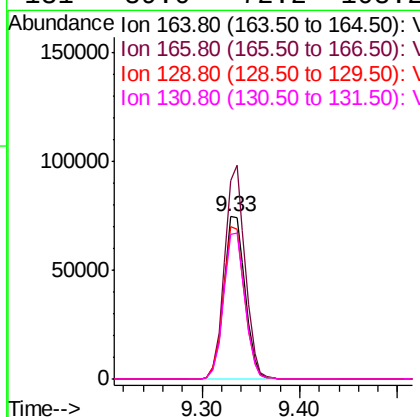
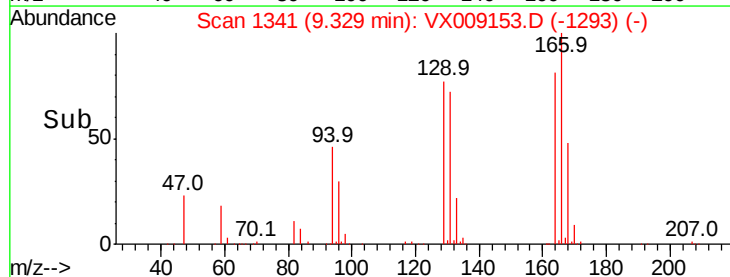
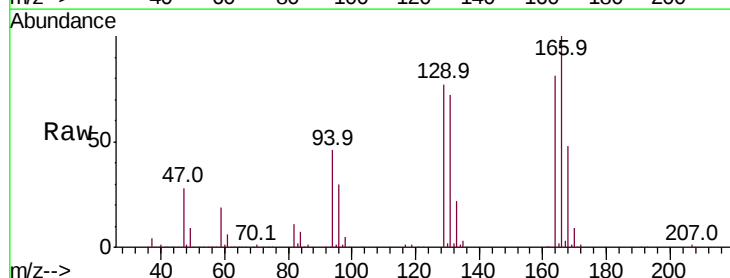
Manual Integrations
APPROVED

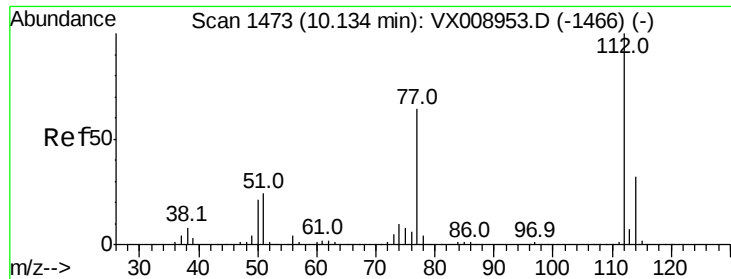
MMDadoda
4/26/2019 10:05:08 AM



#64
Tetrachloroethene
Concen: 48.167 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	105.0	157.4
129	94.2	74.2	111.4
131	89.0	72.2	108.2





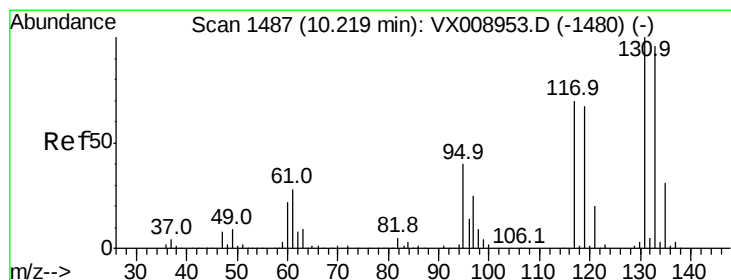
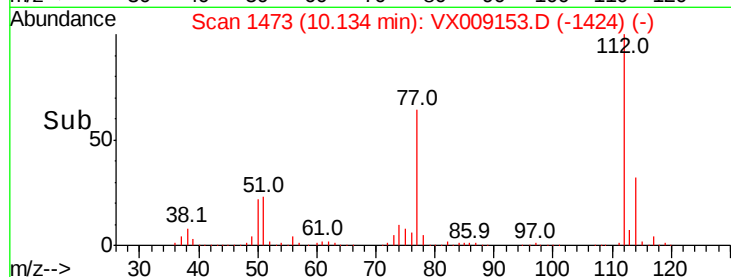
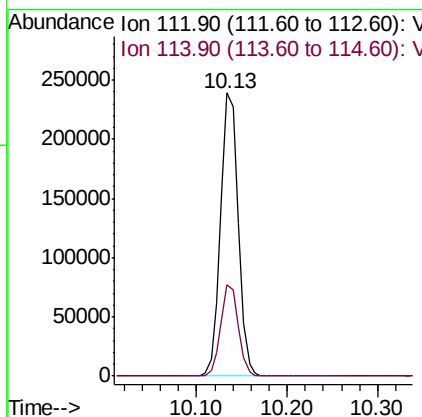
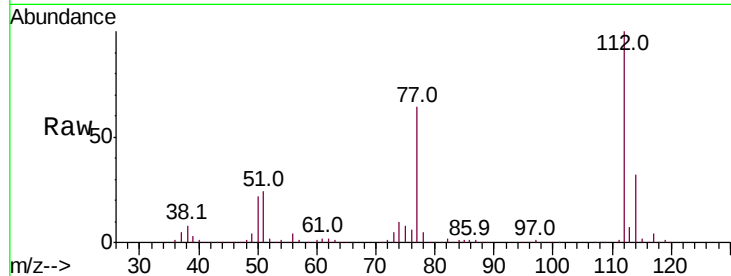
#65
Chlorobenzene
Concen: 50.170 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 326517
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0

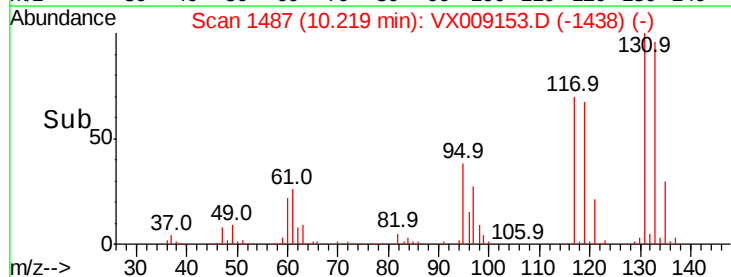
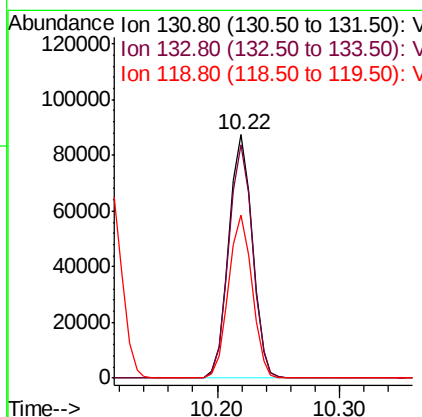
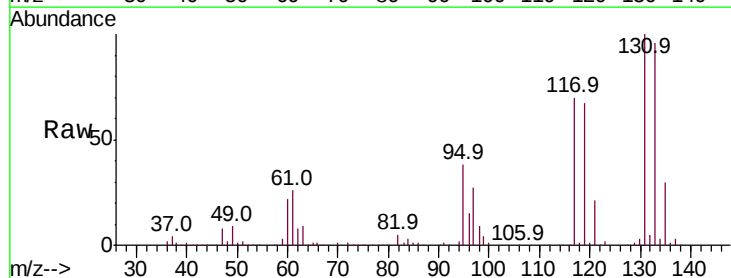
Manual Integrations
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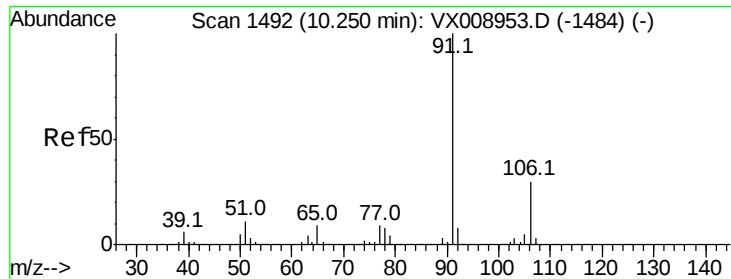
MMDadoda
4/26/2019 10:05:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.770 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion:131 Resp: 116402
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.2
119 67.3 33.7 101.1





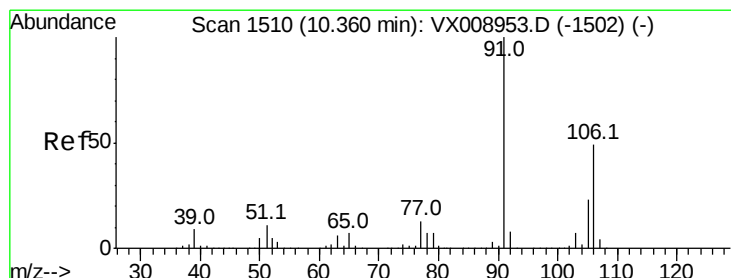
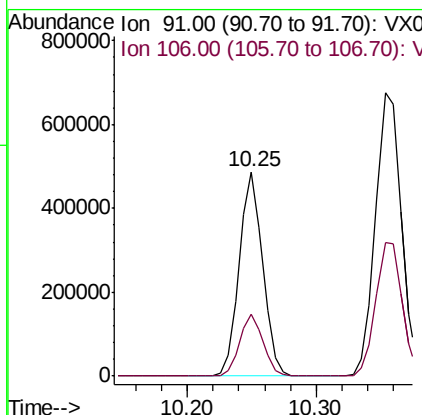
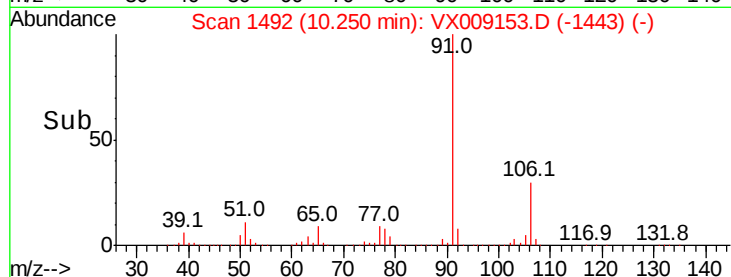
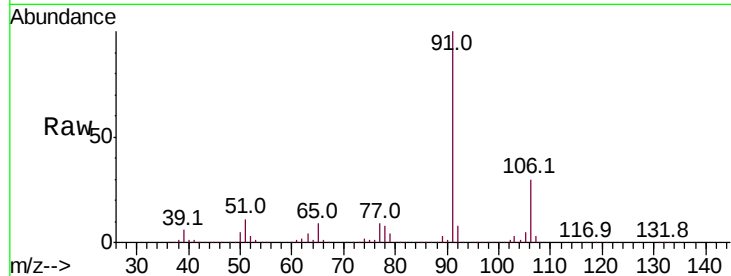
#67
Ethyl Benzene
Concen: 51.640 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 614374
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5

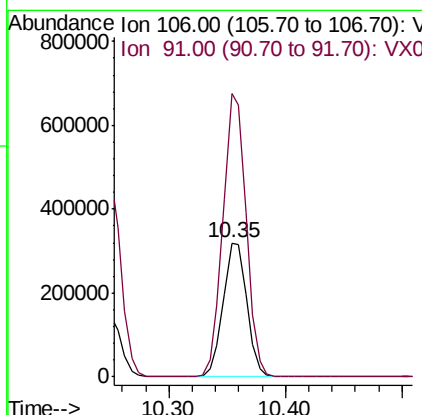
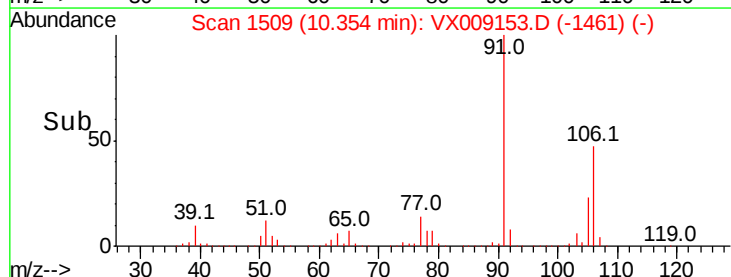
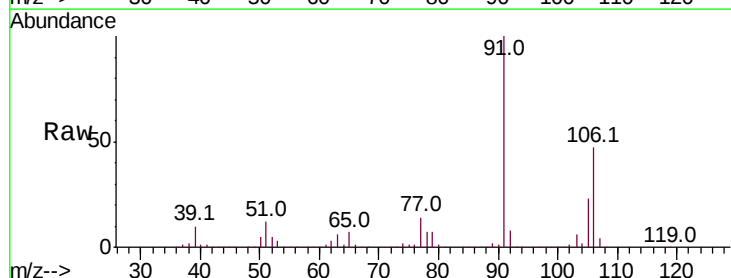
Manual Integrations
APPROVED

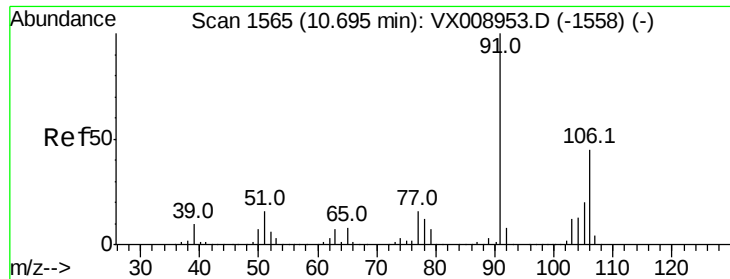
MMdadoda
4/26/2019 10:05:08 AM



#68
m/p-Xylenes
Concen: 103.902 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion: 106 Resp: 449244
Ion Ratio Lower Upper
106 100
91 207.5 165.4 248.2





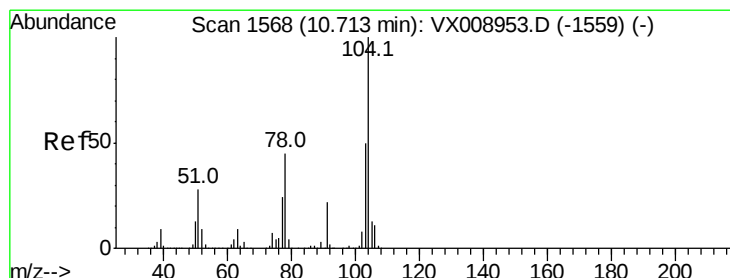
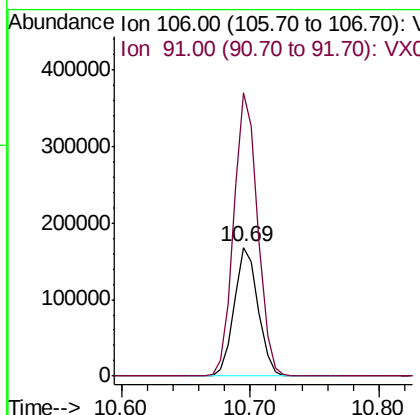
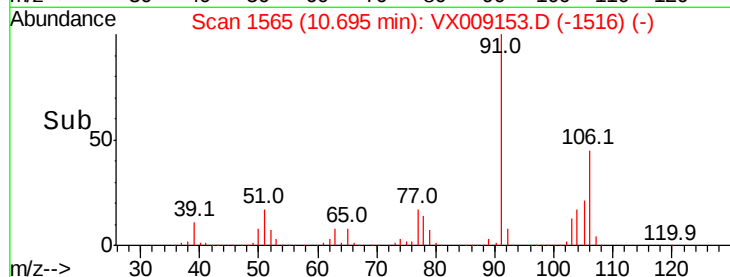
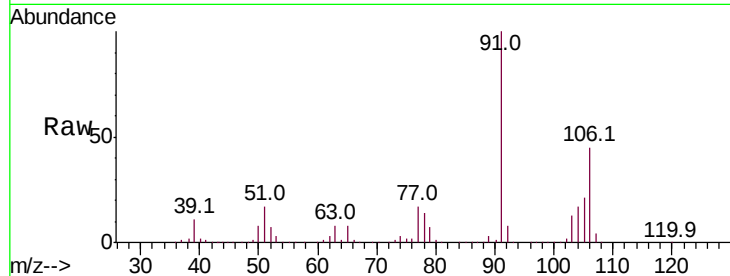
#69
o-Xylene
Concen: 51.459 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 216491
Ion Ratio Lower Upper
106 100
91 220.7 108.9 326.7

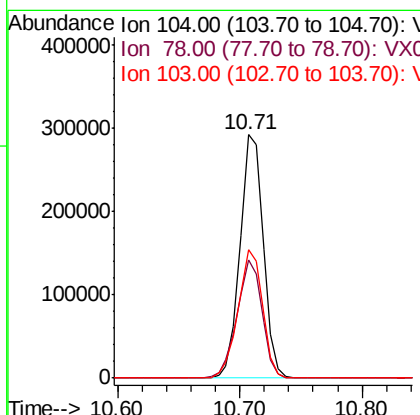
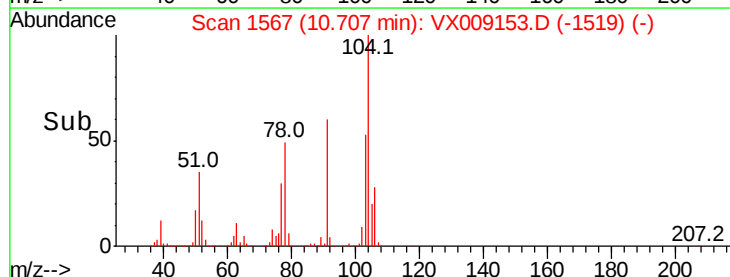
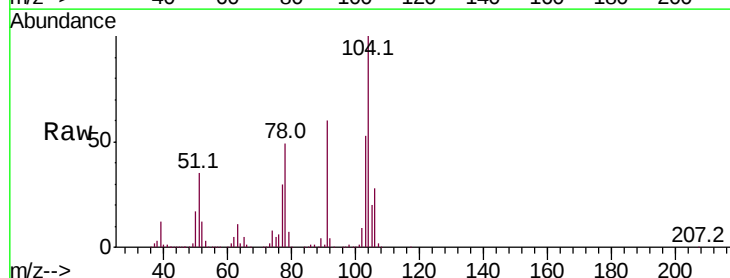
Manual Integrations
APPROVED

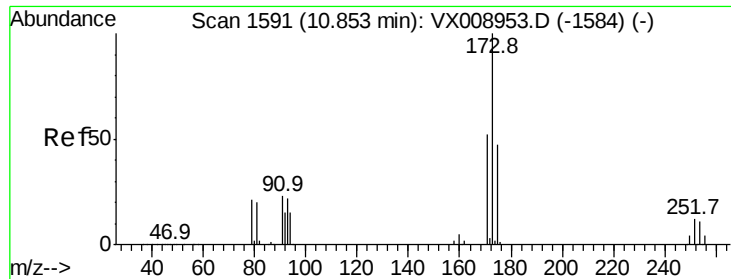
MMdadoda
4/26/2019 10:05:08 AM



#70
Styrene
Concen: 52.543 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion:104 Resp: 383064
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.5 43.9 65.9





#71

Bromoform

Concen: 52.985 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 96781

Ion Ratio Lower Upper

173 100

175 48.9 23.9 71.8

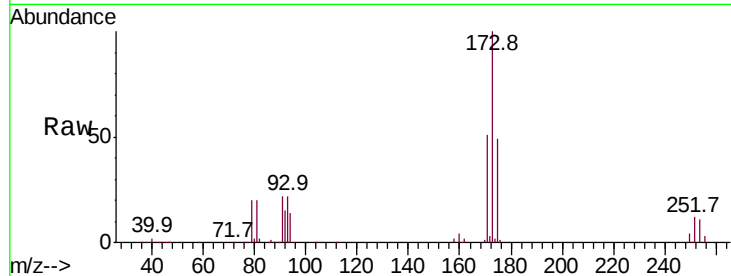
254 0.1 0.2 0.4#

Manual Integrations

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MMdadoda

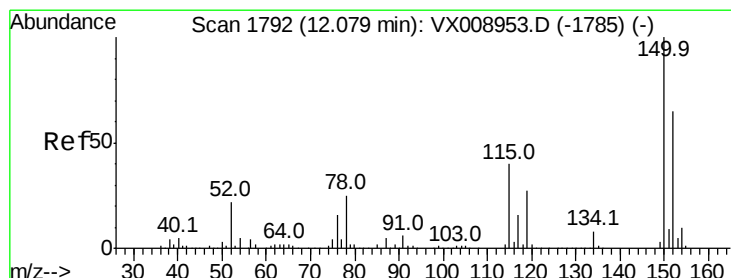
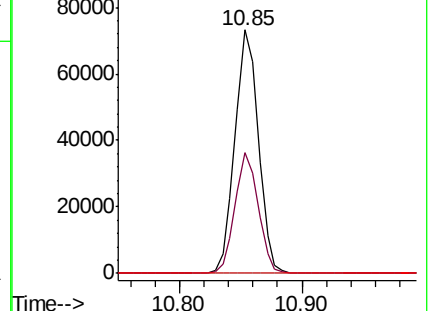
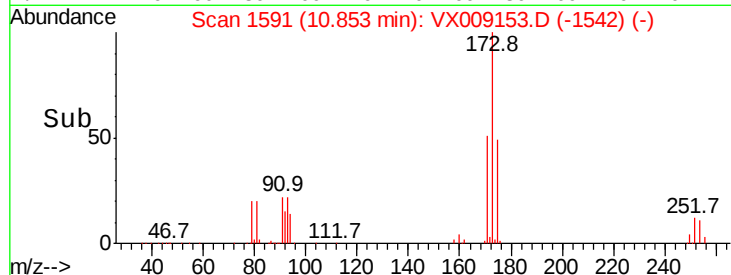
4/26/2019 10:05:08 AM



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: VX009153.D

Acq: 25 Apr 2019 11:10

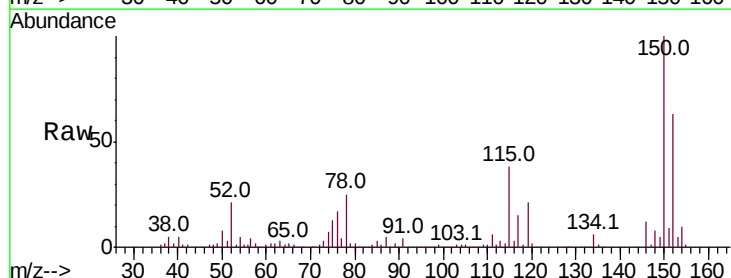
Tgt Ion:152 Resp: 155404

Ion Ratio Lower Upper

152 100

115 83.1 41.4 124.2

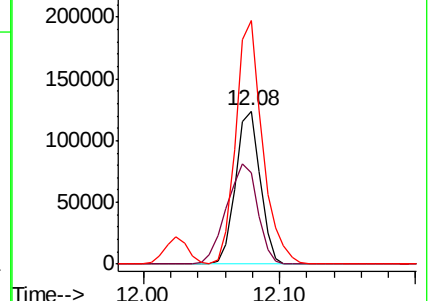
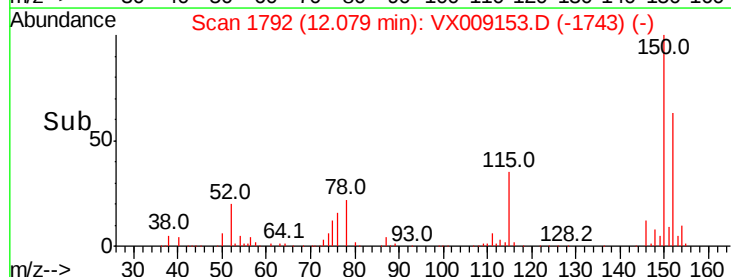
150 172.6 0.0 349.8

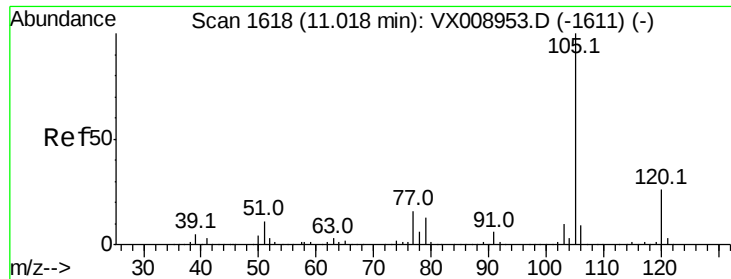


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





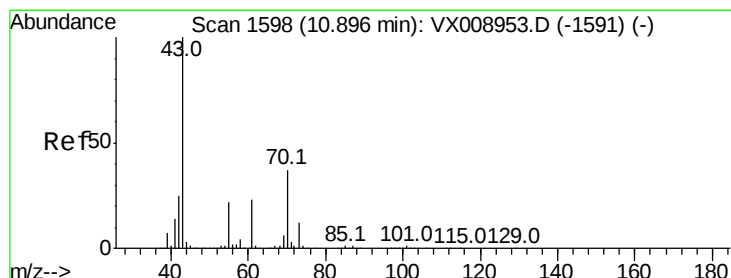
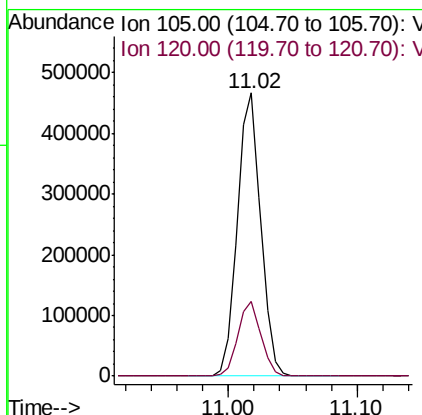
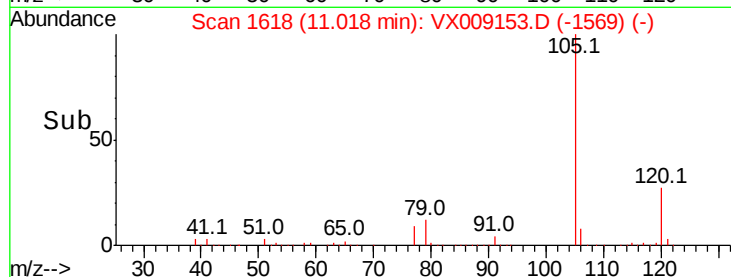
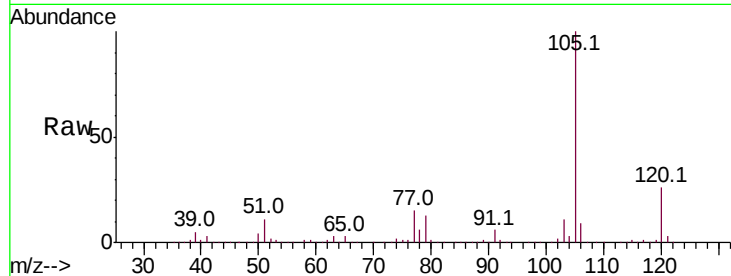
#73
Isopropylbenzene
Concen: 49.699 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 585427
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.7

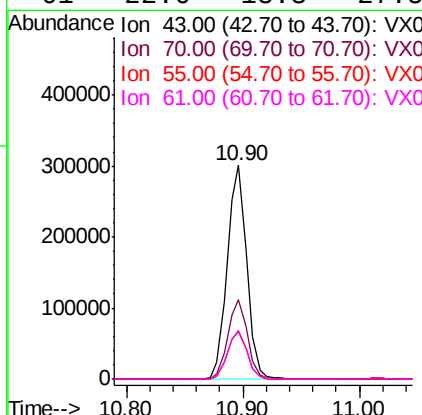
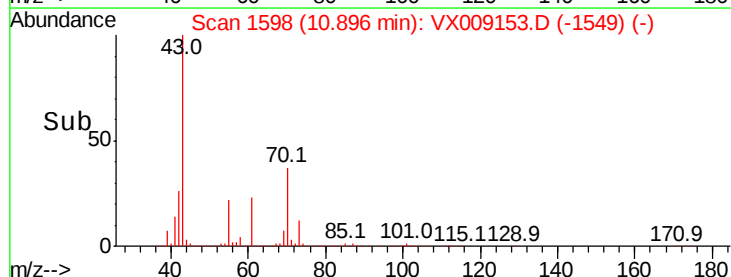
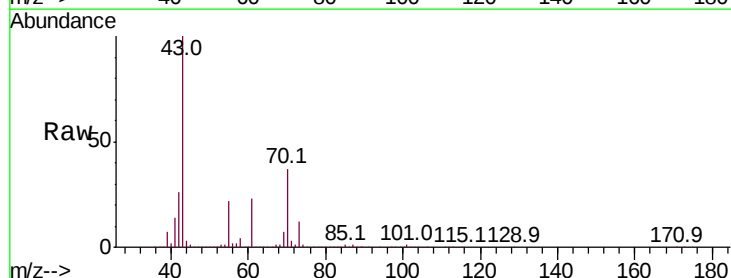
Manual Integrations
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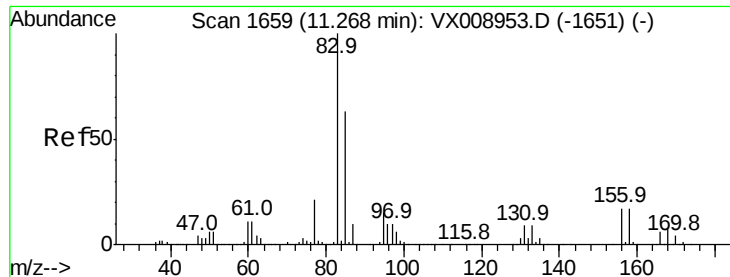
MMDadoda
4/26/2019 10:05:08 AM



#74
N-ethyl acetate
Concen: 51.404 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion: 43 Resp: 347672
Ion Ratio Lower Upper
43 100
70 37.2 29.9 44.9
55 22.6 17.8 26.8
61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.710 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

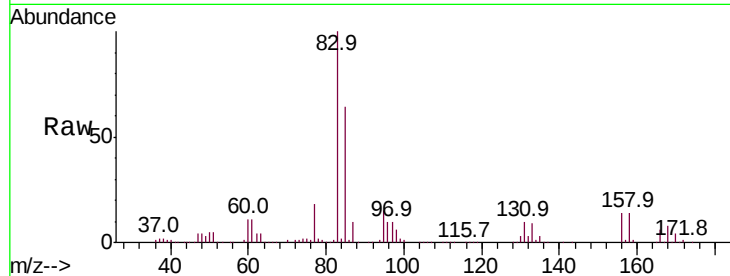
ClientSampleId :

VSTDCCC050

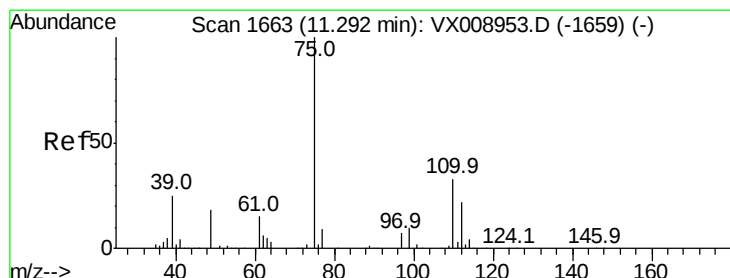
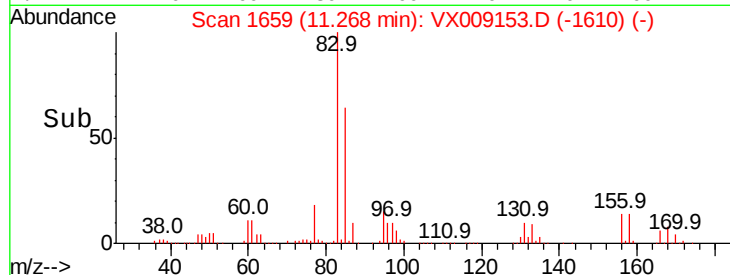
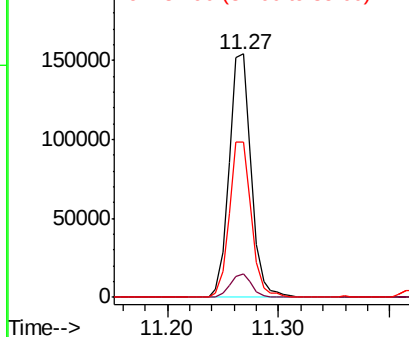
Tot Ion:	83	Resp:	209647
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.1	31.9	95.9

Manual Integrations
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MMDadoda
4/26/2019 10:05:08 AM



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: 48.820 ug/l m

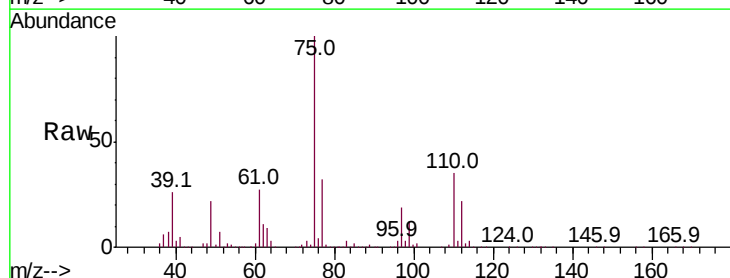
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

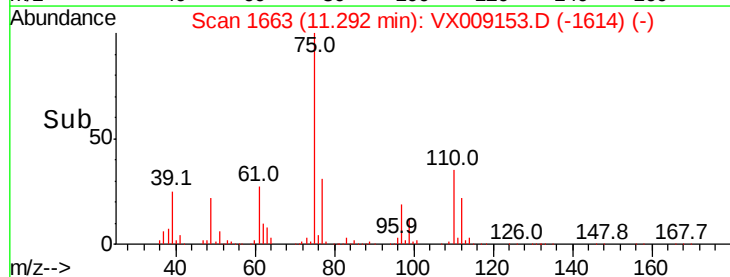
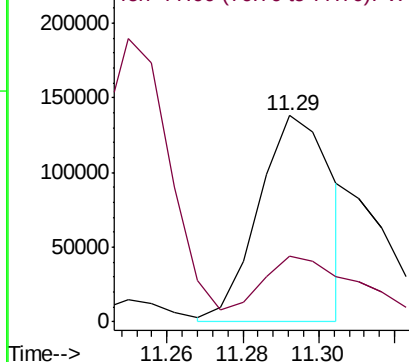
Lab File: VX009153.D

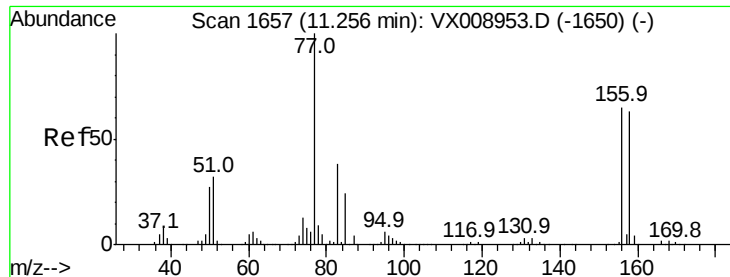
Acq: 25 Apr 2019 11:10

Tgt Ion:	75	Resp:	185256
Ion Ratio	Lower	Upper	
75	100		
77	43.1	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: 47.657 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 141638

Ion Ratio Lower Upper

156 100

77 174.5 85.4 256.1

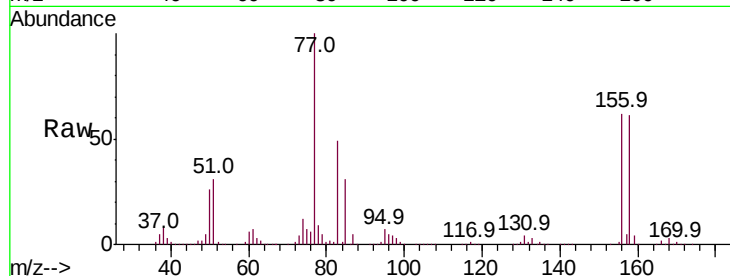
158 97.2 48.8 146.4

Manual Integrations

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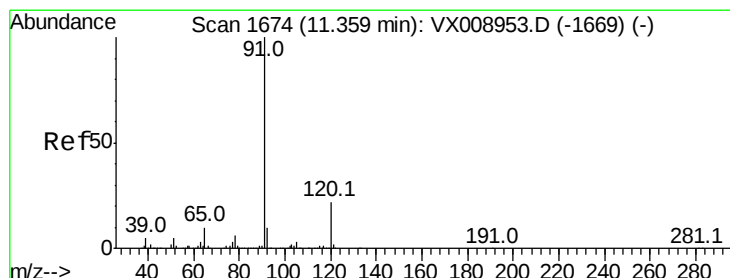
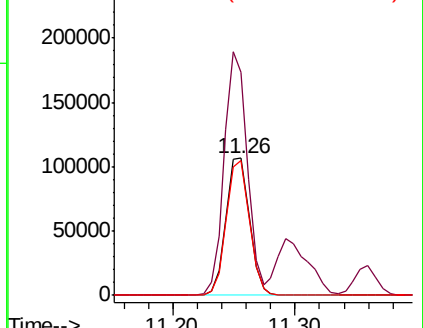
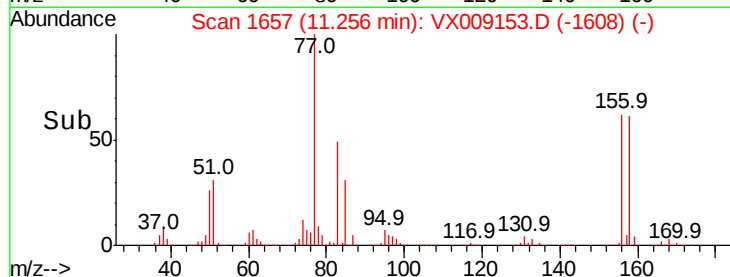
4/26/2019 10:05:08 AM



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: 51.590 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009153.D

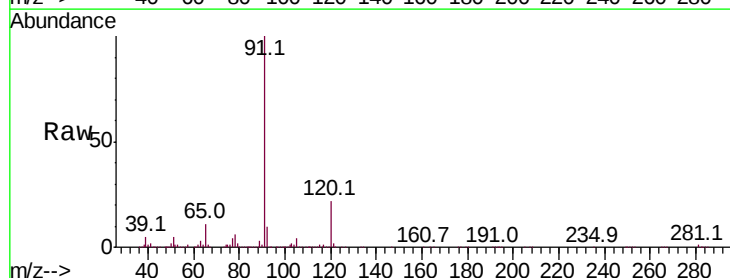
Acq: 25 Apr 2019 11:10

Tgt Ion: 91 Resp: 697498

Ion Ratio Lower Upper

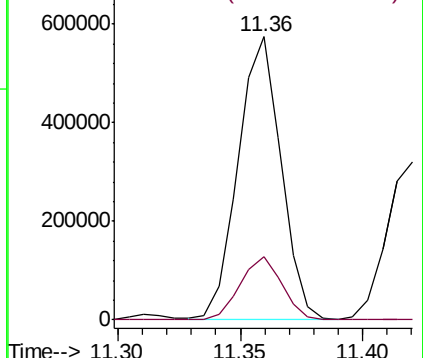
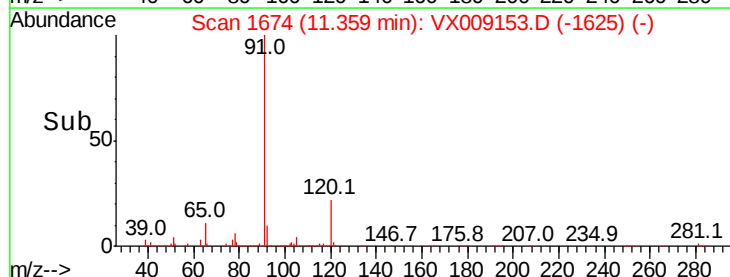
91 100

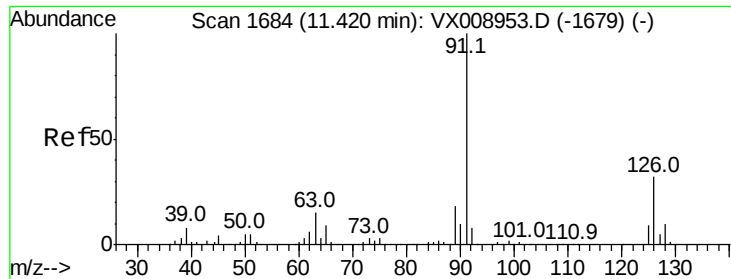
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.451 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 402888

Ion Ratio Lower Upper

91 100

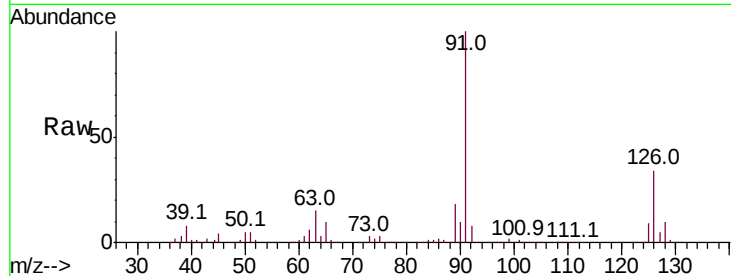
126 32.8 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

600000

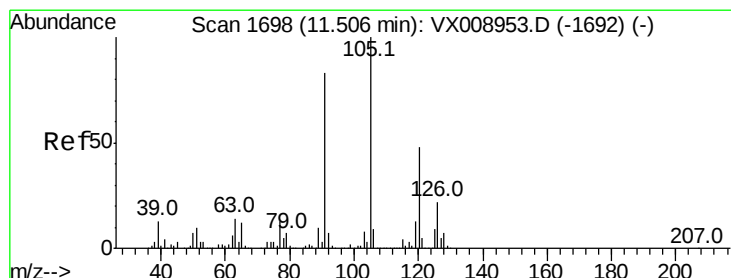
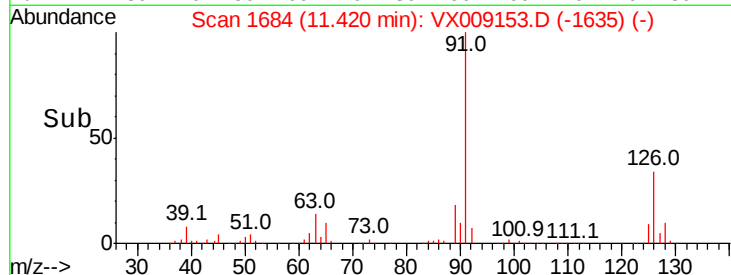
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.010 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009153.D

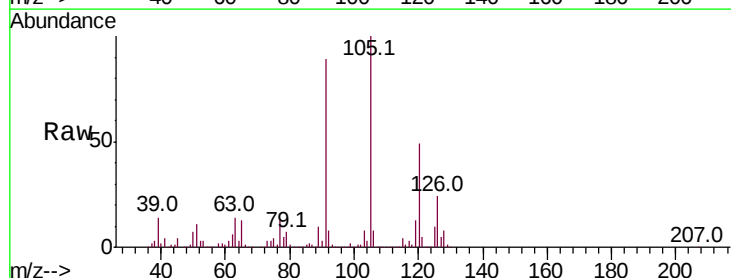
Acq: 25 Apr 2019 11:10

Tgt Ion:105 Resp: 504225

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

500000

400000

300000

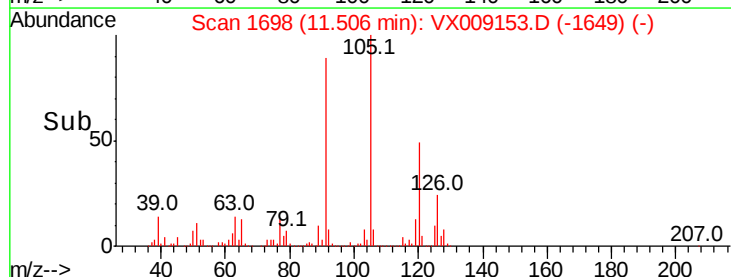
200000

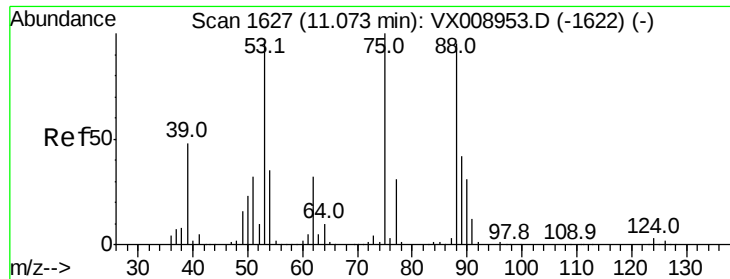
100000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.055 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

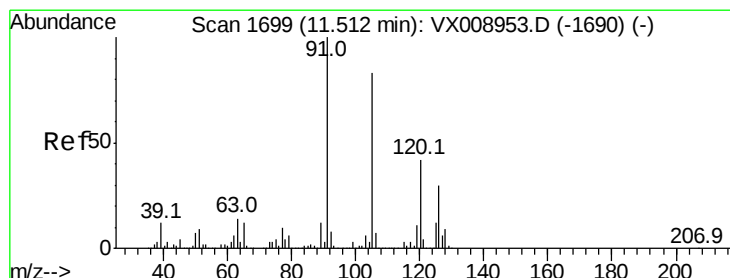
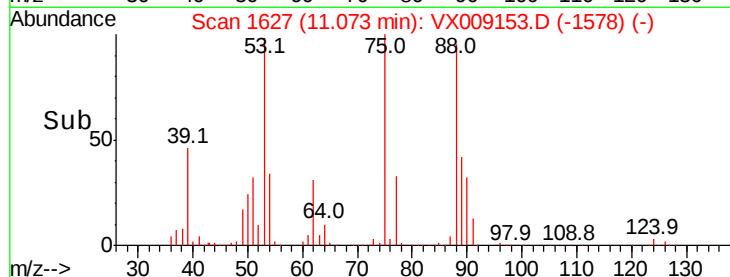
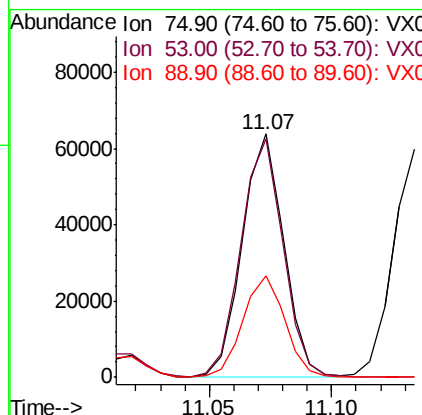
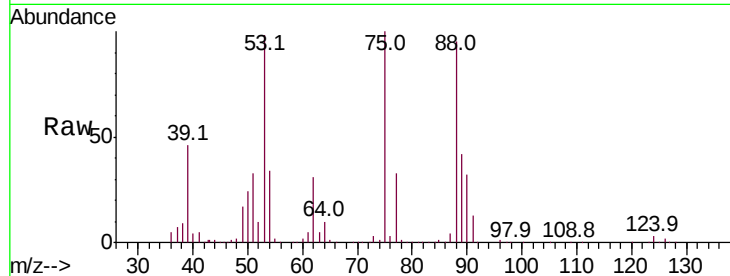
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	75464
Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.2	117.4
89	42.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.162 ug/l

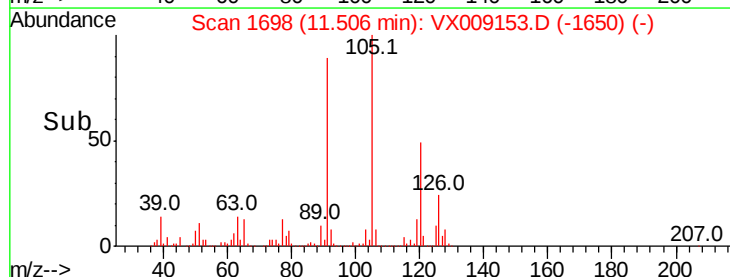
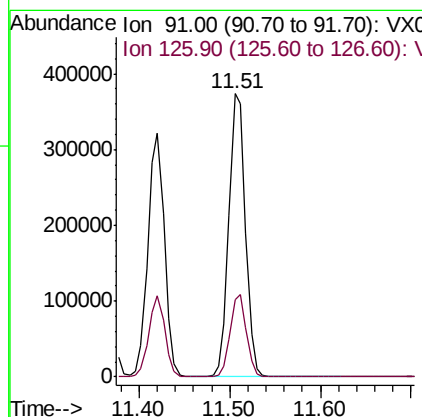
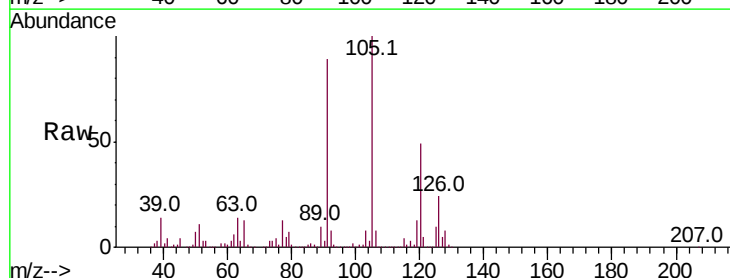
RT: 11.51 min Scan# 1698

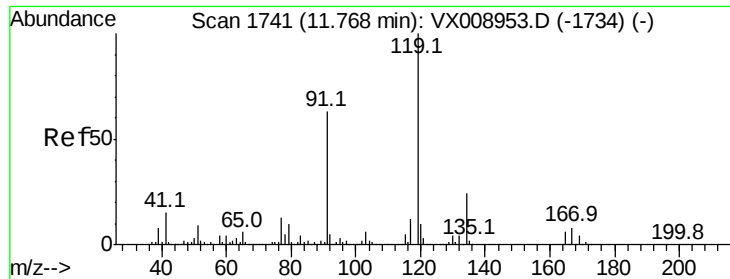
Delta R.T. -0.01 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion:	91	Resp:	474633
Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9





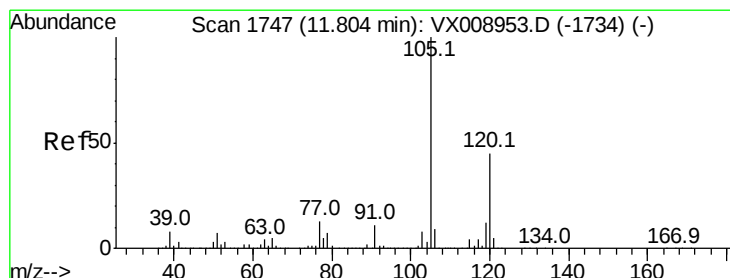
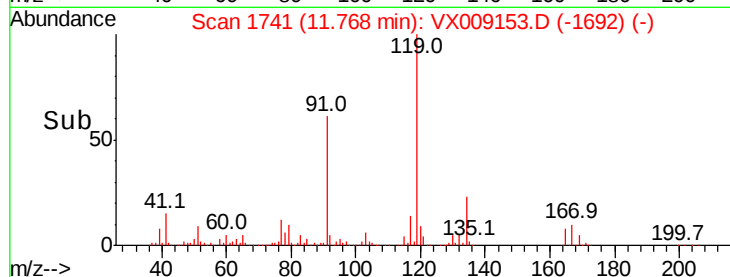
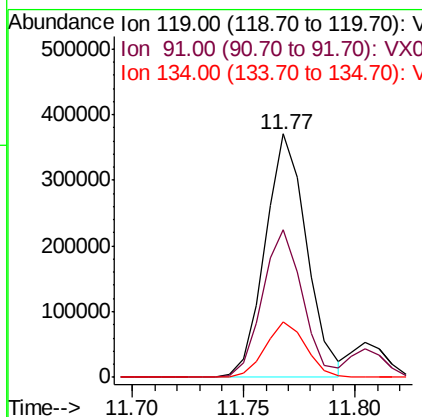
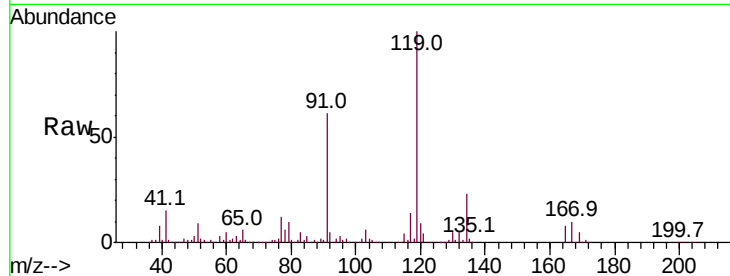
#83
tert-Butylbenzene
Concen: 50.450 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	478785		
91	59.1	29.7	89.1	
134	22.3	11.2	33.5	

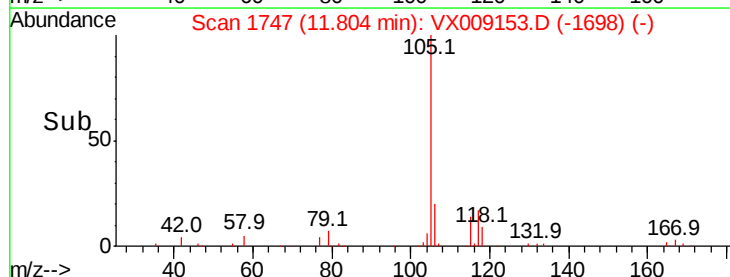
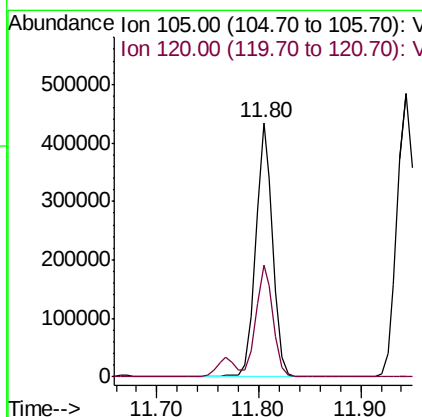
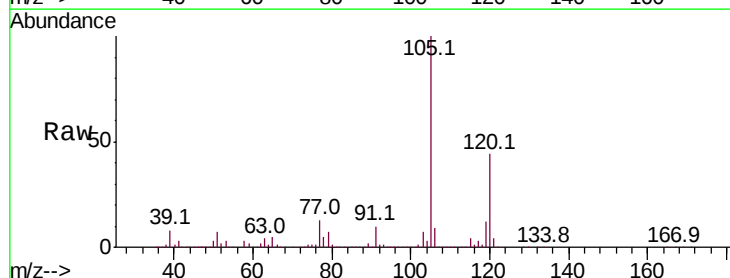
Manual Integrations
APPROVED

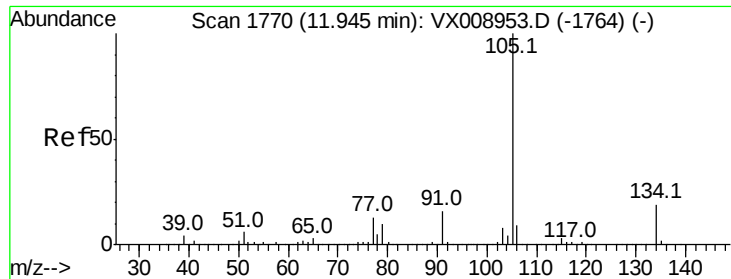
MMDadoda
4/26/2019 10:05:08 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.235 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	505466		
120	43.8	21.9	65.8	





#85

sec-Butylbenzene

Concen: 51.819 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 586527

Ion Ratio Lower Upper

105 100

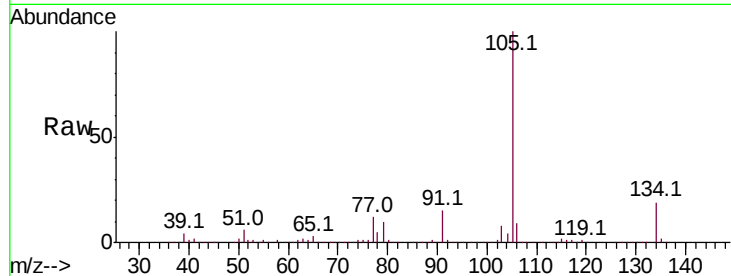
134 19.2 9.6 28.6

Manual Integrations

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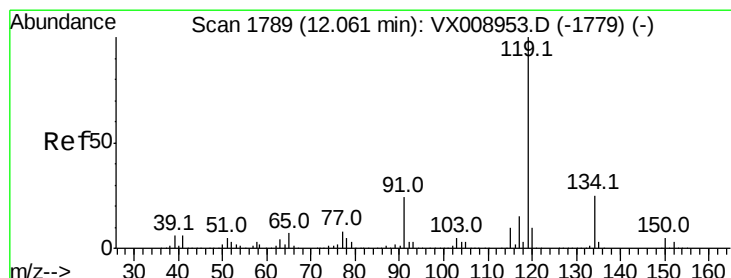
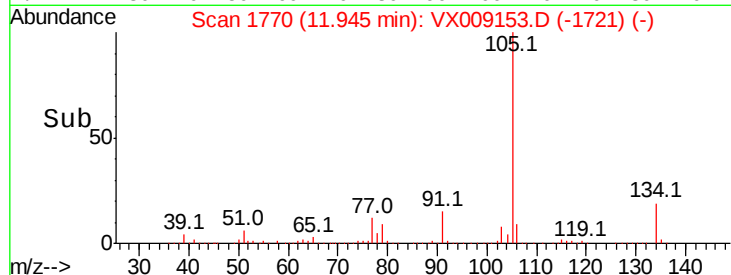
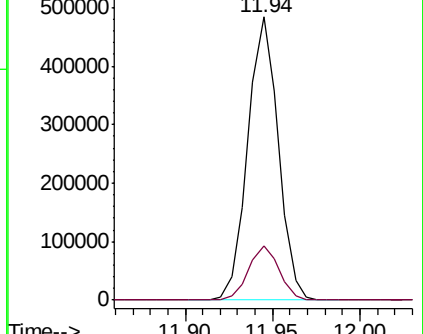
MMdadoda

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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: 51.081 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

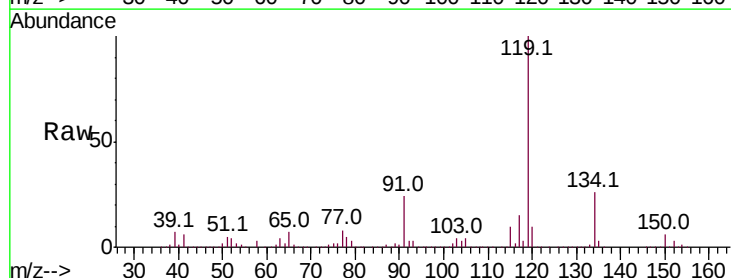
Tgt Ion:119 Resp: 531566

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

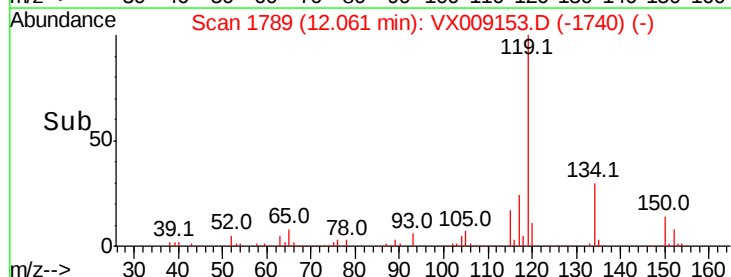
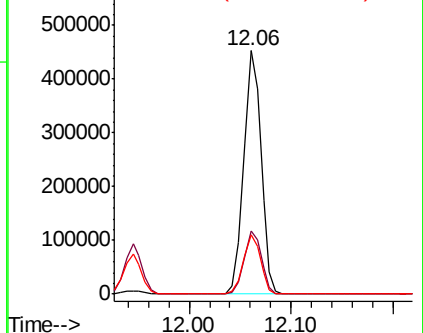
91 24.0 11.9 35.5

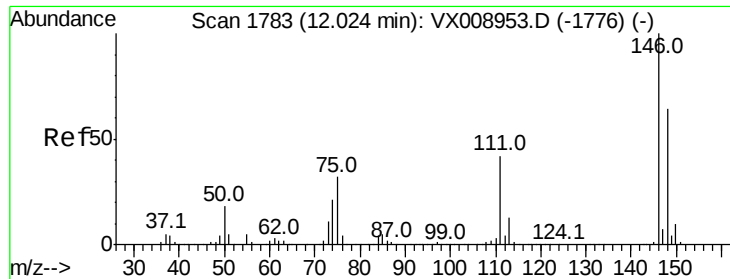


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





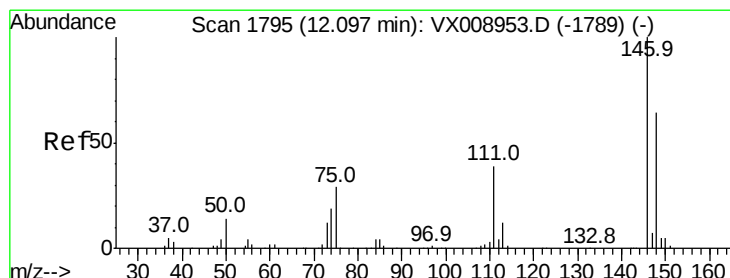
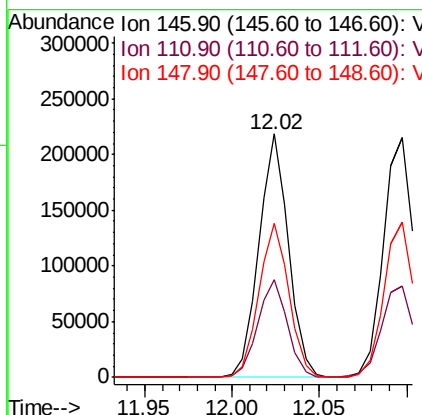
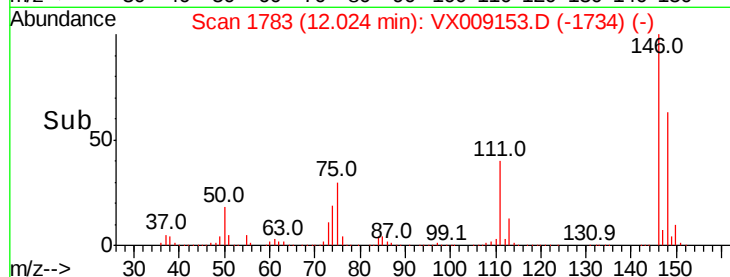
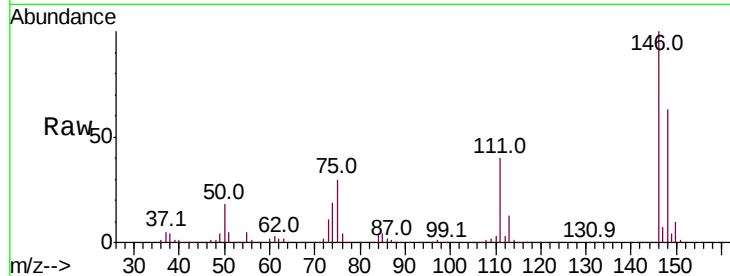
#87
 1,3-Dichlorobenzene
 Concen: 49.819 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	64.1	32.2	96.6

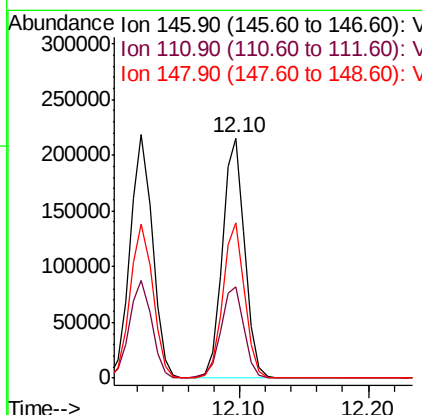
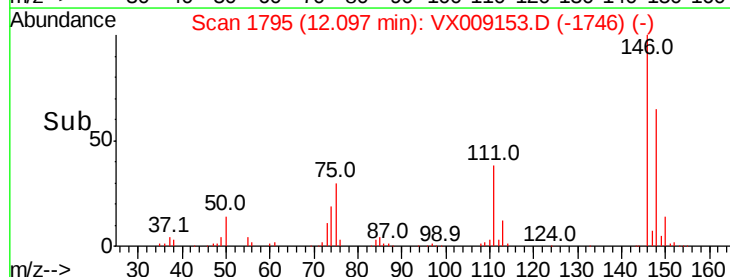
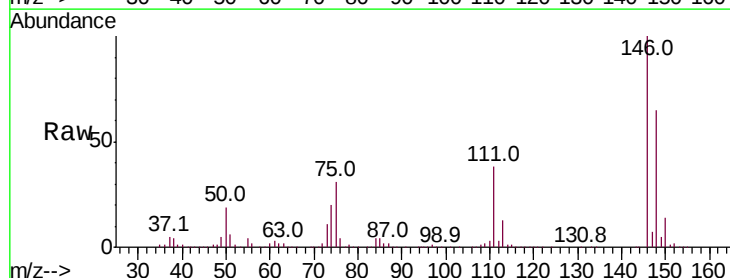
Manual Integrations
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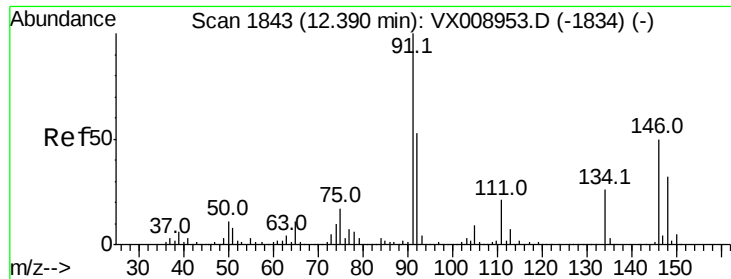
MMDadoda
 4/26/2019 10:05:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.439 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.1	32.2	96.6





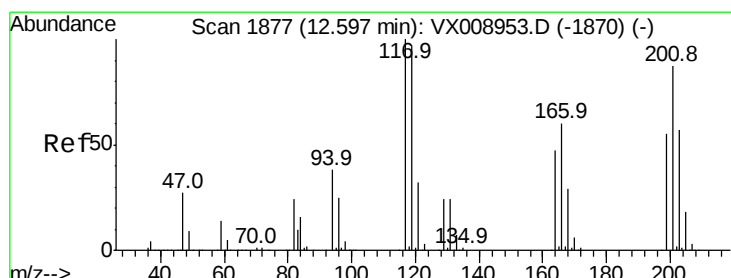
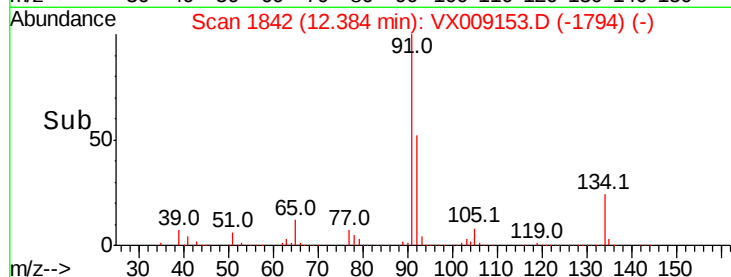
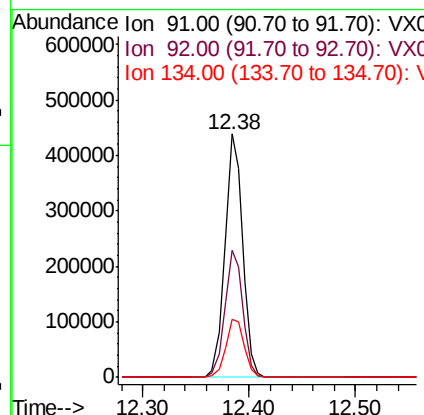
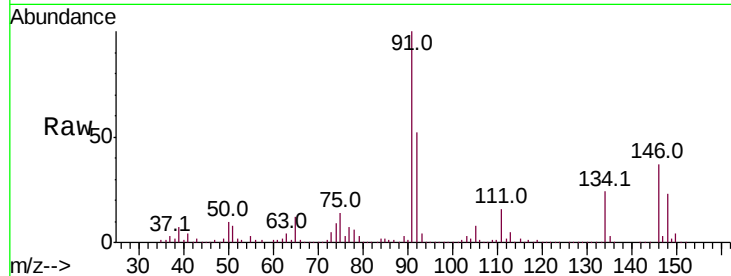
#89
n-Butylbenzene
Concen: 52.588 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	24.8	12.4	37.2

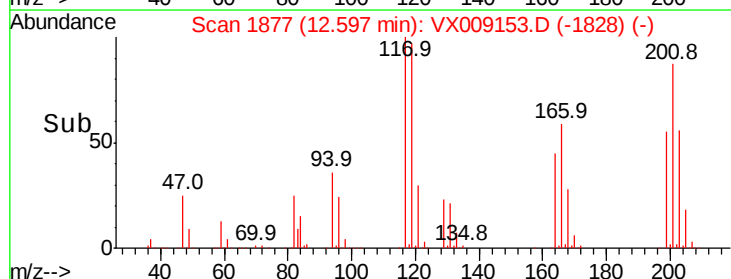
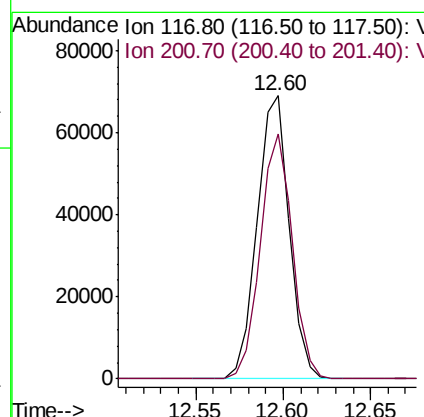
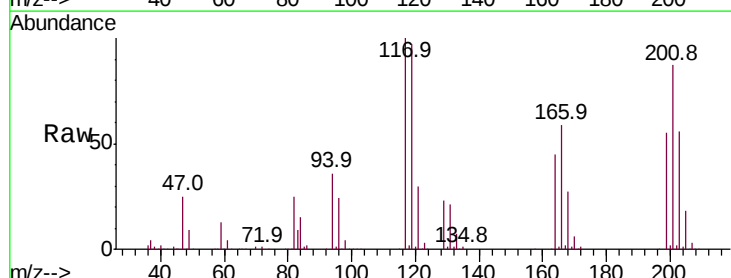
Manual Integrations
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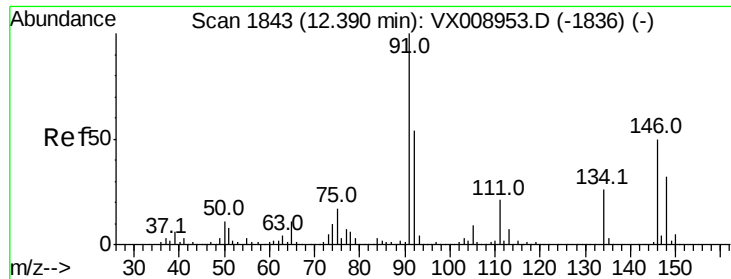
MMDadoda
4/26/2019 10:05:08 AM



#90
Hexachloroethane
Concen: 51.623 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009153.D
Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	43.0	129.0





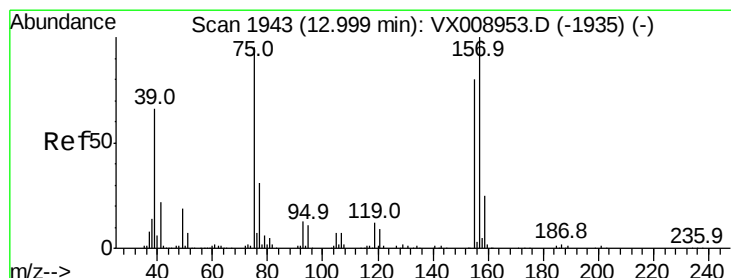
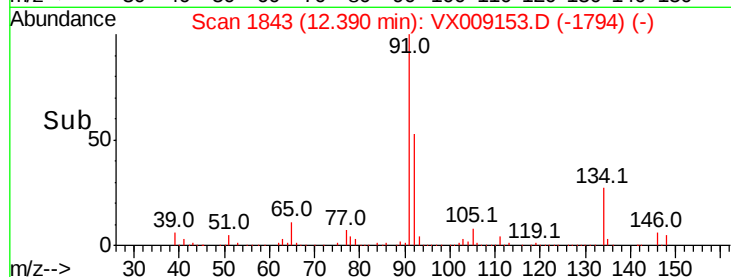
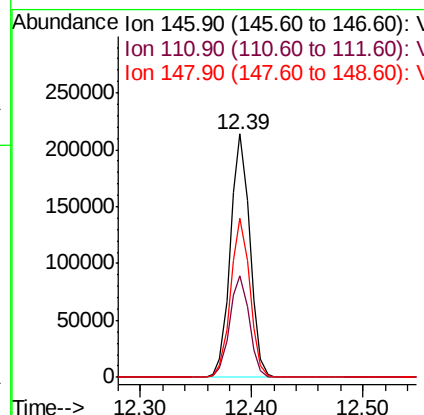
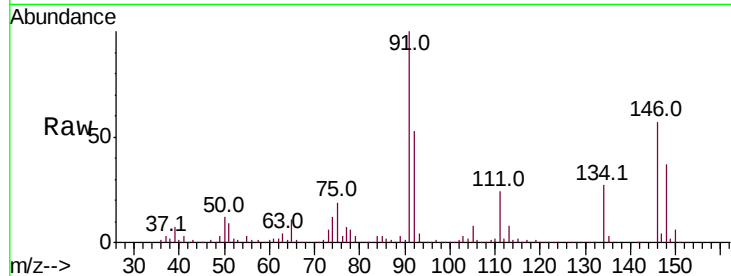
#91
 1,2-Dichlorobenzene
 Concen: 50.174 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	257723		
111	41.9	20.6	61.9	
148	64.4	32.0	96.2	

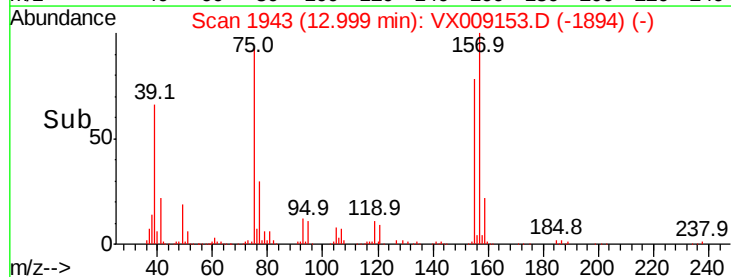
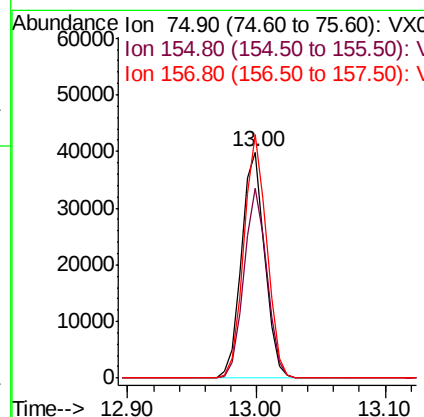
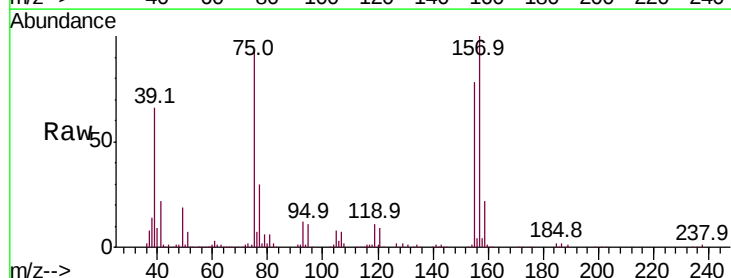
Manual Integrations
 APPROVED

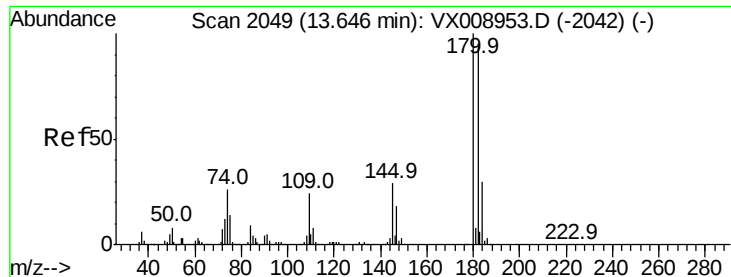
MMdadoda
 4/26/2019 10:05:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.131 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50106		
155	82.3	41.2	123.6	
157	105.3	52.5	157.6	





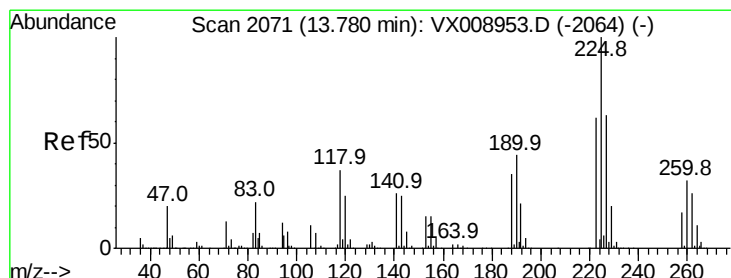
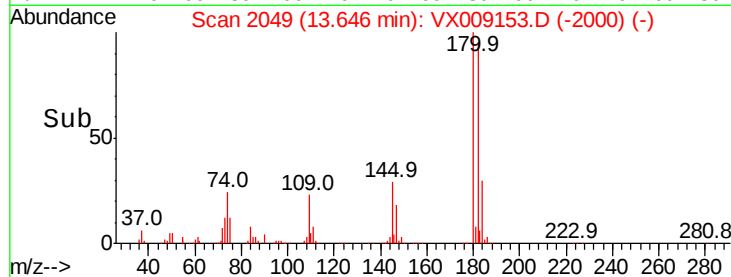
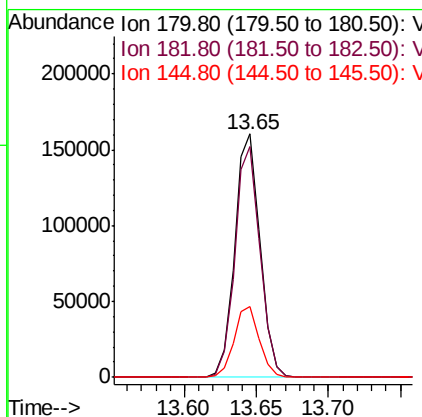
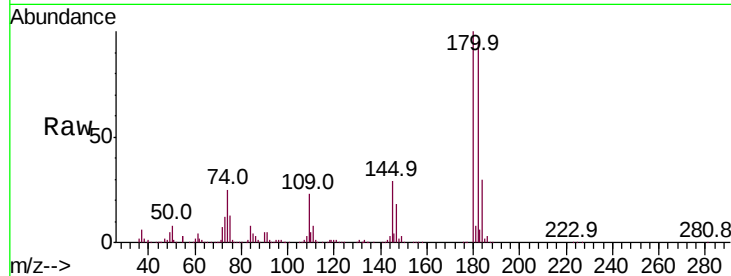
#93
 1,2,4-Trichlorobenzene
 Concen: 52.885 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	196092
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.6	142.9
145	29.1	14.8	44.4

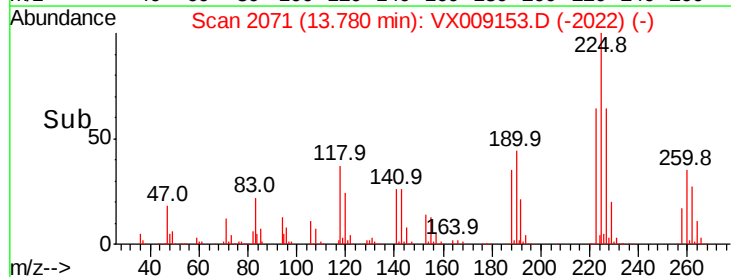
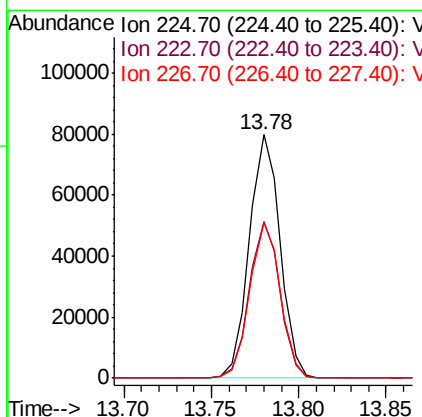
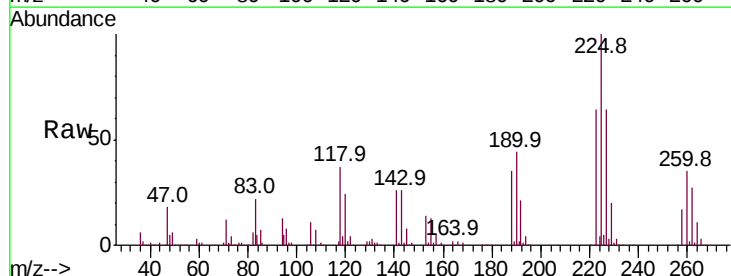
Manual Integrations
 APPROVED

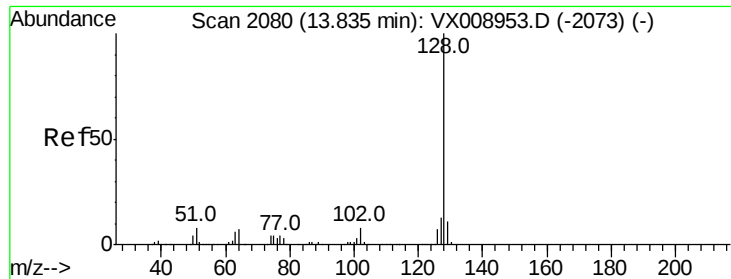
MMDadoda
 4/26/2019 10:05:08 AM



#94
 Hexachlorobutadiene
 Concen: 52.673 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009153.D
 Acq: 25 Apr 2019 11:10

Tgt Ion:	225	Resp:	97409
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.1	93.2
227	63.8	32.0	96.2





#95

Naphthalene

Concen: 51.939 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Instrument :

MSVOA_X

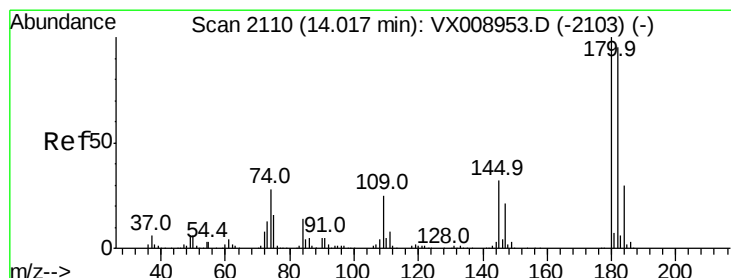
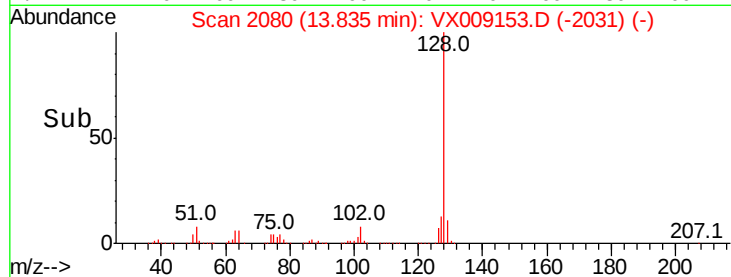
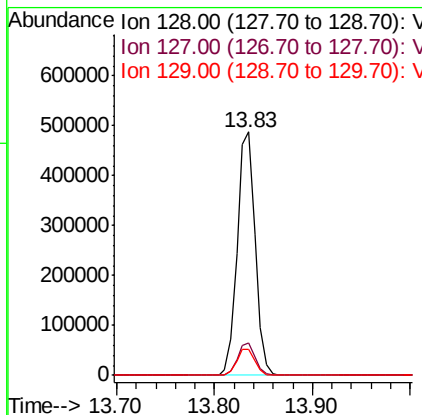
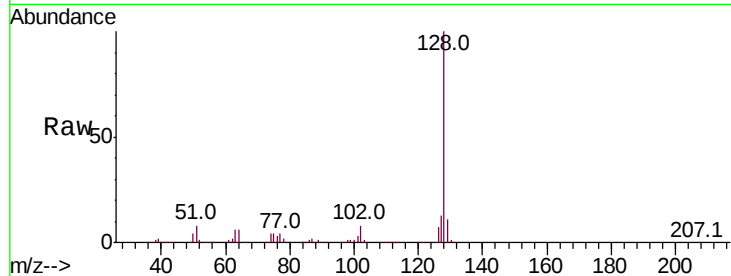
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	617004
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 53.259 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009153.D

Acq: 25 Apr 2019 11:10

Tgt Ion:	180	Resp:	194848
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.8	143.4
145	30.7	15.8	47.3

