

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009273.D
 Acq On : 02 May 2019 14:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:19:56 AM

Quant Time: May 03 02:57:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	122535	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	5.49	113	91181	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	8.71	98	376430	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.13	95	138372	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79545	47.052	ug/l	99
3) Chloromethane	1.32	50	107945	46.768	ug/l	100
4) Vinyl Chloride	1.40	62	105340	46.804	ug/l	97
5) Bromomethane	1.64	94	59834	44.292	ug/l	94
6) Chloroethane	1.71	64	65854	45.573	ug/l	97
7) Trichlorofluoromethane	1.92	101	131083	47.913	ug/l	99
8) Diethyl Ether	2.18	74	61062	47.119	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82073	47.772	ug/l	99
10) Methyl Iodide	2.51	142	89428	45.278	ug/l	99
11) Tert butyl alcohol	3.06	59	139054	239.867	ug/l	99
12) 1,1-Dichloroethene	2.37	96	80752	46.912	ug/l	99
13) Acrolein	2.29	56	101736	193.781	ug/l	98
14) Allyl chloride	2.72	41	193045	46.018	ug/l	99
15) Acrylonitrile	3.14	53	330856	233.418	ug/l	99
16) Acetone	2.45	43	299721	222.878	ug/l	97
17) Carbon Disulfide	2.56	76	216965	44.894	ug/l	99
18) Methyl Acetate	2.77	43	152113	47.563	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	316773	47.389	ug/l	100
20) Methylene Chloride	2.85	84	98906	45.424	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	87445	46.842	ug/l	99
22) Diisopropyl ether	3.85	45	383121	47.490	ug/l	98
23) Vinyl Acetate	3.81	43	1677535	242.831	ug/l	100
24) 1,1-Dichloroethane	3.69	63	182874	45.951	ug/l	98
25) 2-Butanone	4.67	43	497355	237.999	ug/l	99
26) 2,2-Dichloropropane	4.58	77	137912	46.556	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	103905	46.630	ug/l	99
28) Bromochloromethane	5.01	49	77489	48.274	ug/l	99
29) Tetrahydrofuran	5.13	42	322746	240.006	ug/l	100
30) Chloroform	5.21	83	169888	47.198	ug/l	97
31) Cyclohexane	5.57	56	178501	48.209	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	140899	47.023	ug/l	99
36) 1,1-Dichloropropene	5.79	75	129835	48.469	ug/l	100
37) Ethyl Acetate	4.83	43	184187	49.350	ug/l	99
38) Carbon Tetrachloride	5.78	117	117592	48.317	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	161697	49.152	ug/l	98
40) Benzene	6.13	78	397437	47.941	ug/l	100
41) Methacrylonitrile	5.04	41	104867	47.202	ug/l	99
42) 1,2-Dichloroethane	6.19	62	143112	48.124	ug/l	100
43) Isopropyl Acetate	6.44	43	292420	48.982	ug/l	100
44) Trichloroethene	7.21	130	95624	47.713	ug/l	93
45) 1,2-Dichloropropane	7.51	63	113616	48.400	ug/l	97
46) Dibromomethane	7.66	93	64193	47.091	ug/l	99
47) Bromodichloromethane	7.90	83	132012	48.549	ug/l	97
48) Methyl methacrylate	7.77	41	148507	50.141	ug/l	99
49) 1,4-Dioxane	7.74	88	58440	972.942	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	967724	248.003	ug/l	100
52) Toluene	8.78	92	243720	48.363	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	154178	50.221	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	170381	50.142	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	100833	49.045	ug/l	98
56) Ethyl methacrylate	9.18	69	185258	50.480	ug/l	100
57) 1,3-Dichloropropane	9.37	76	175561	48.526	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	490389	251.884	ug/l	100
59) 2-Hexanone	9.49	43	771457	251.729	ug/l	100
60) Dibromochloromethane	9.58	129	99546	49.575	ug/l	99
61) 1,2-Dibromoethane	9.67	107	102346	49.316	ug/l	100
64) Tetrachloroethene	9.34	164	90627	50.184	ug/l	99
65) Chlorobenzene	10.13	112	254702	48.362	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	94113	49.291	ug/l	99
67) Ethyl Benzene	10.25	91	470615	48.555	ug/l	99
68) m/p-Xylenes	10.36	106	349167	98.581	ug/l	98
69) o-Xylene	10.69	106	169861	48.606	ug/l	99
70) Styrene	10.71	104	304070	50.061	ug/l	100
71) Bromoform	10.85	173	76793	49.492	ug/l #	99
73) Isopropylbenzene	11.02	105	460850	47.688	ug/l	100
74) N-amyl acetate	10.90	43	273071	48.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	169859	47.150	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148602m	48.206	ug/l	
77) Bromobenzene	11.26	156	112763	47.012	ug/l	99
78) n-propylbenzene	11.36	91	533846	48.371	ug/l	100
79) 2-Chlorotoluene	11.42	91	314522	46.192	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	392033	48.179	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58114	48.236	ug/l	98
82) 4-Chlorotoluene	11.51	91	368270	47.876	ug/l	99
83) tert-Butylbenzene	11.77	119	375456	47.432	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	395864	48.468	ug/l	99
85) sec-Butylbenzene	11.94	105	459020	48.912	ug/l	100
86) p-Isopropyltoluene	12.06	119	420476	49.839	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	205307	48.014	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	207474	48.127	ug/l	100
89) n-Butylbenzene	12.38	91	387952	50.877	ug/l	100
90) Hexachloroethane	12.59	117	69146	48.107	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	209537	48.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38399	47.515	ug/l	99

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ClientSampleId :
VSTDCCC050

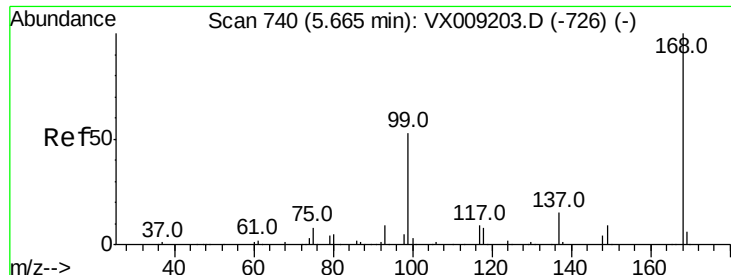
Manual Integrations
APPROVED

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QLast Update : Tue Apr 30 07:03:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151655	50.921	ug/l	99
94) Hexachlorobutadiene	13.78	225	77029	50.648	ug/l	99
95) Naphthalene	13.83	128	482983	49.846	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150900	49.984	ug/l	99

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



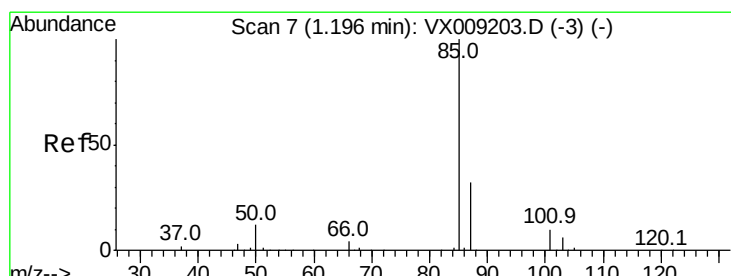
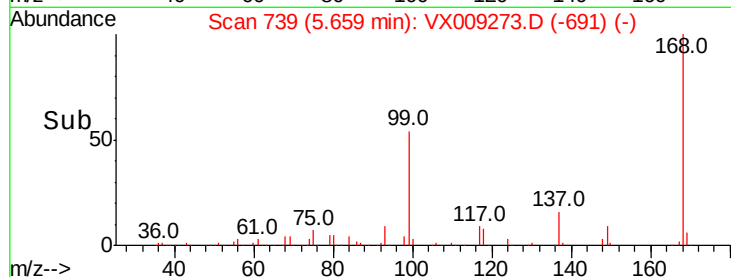
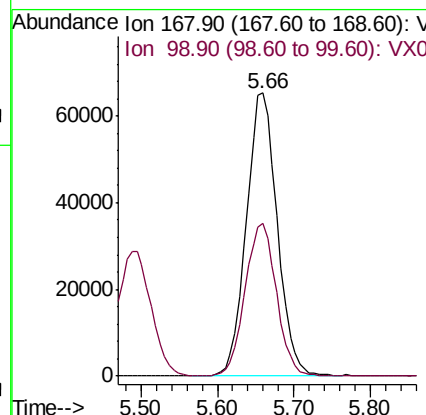
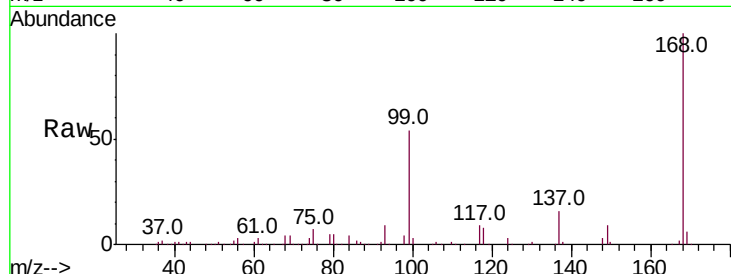
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	183458		
99	53.8	42.3	63.5	

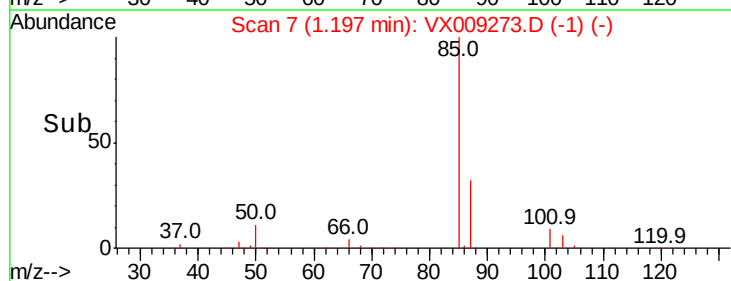
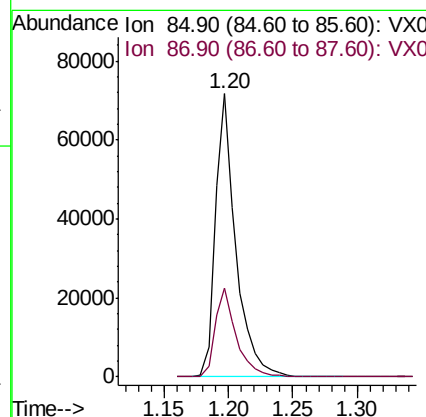
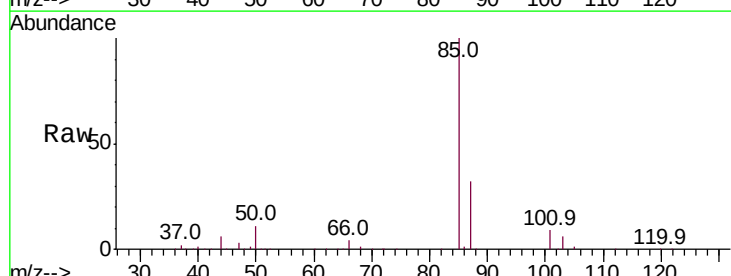
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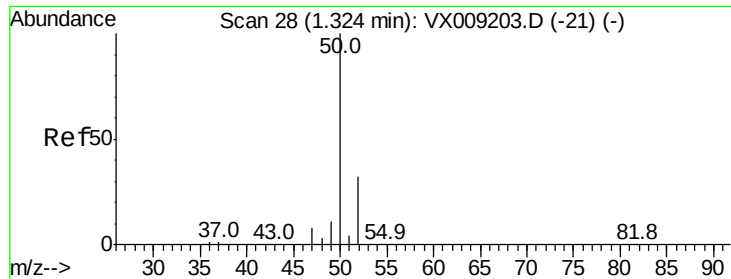
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#2
Dichlorodifluoromethane
Concen: 47.052 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	79545		
87	31.6	16.1	48.3	





#3

Chloromethane

Concen: 46.768 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107945

Ion Ratio Lower Upper

50 100

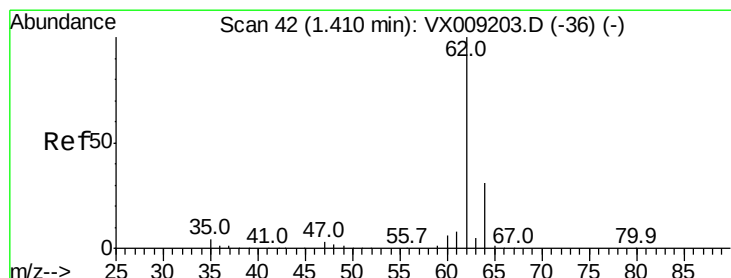
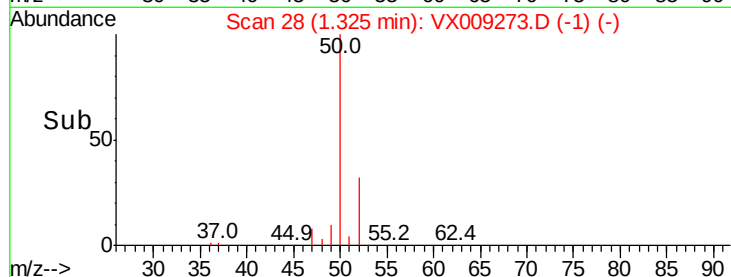
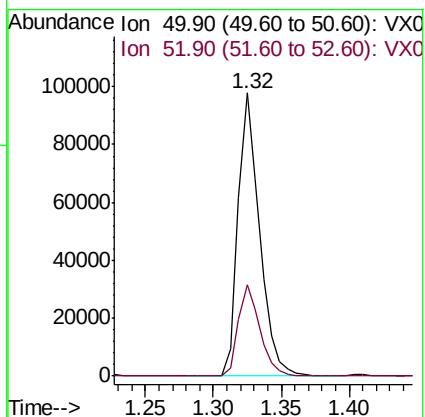
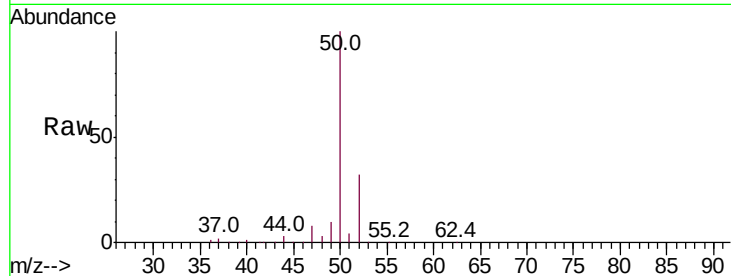
52 32.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.804 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009273.D

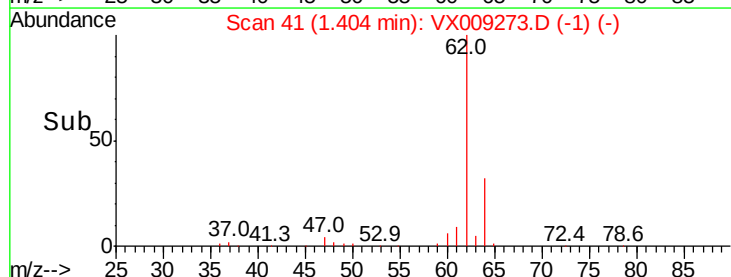
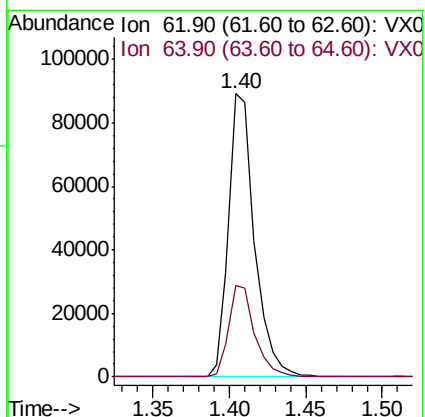
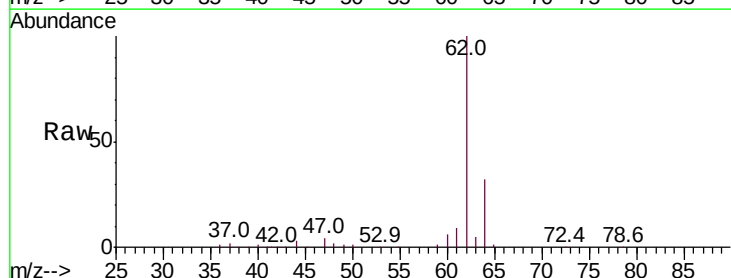
Acq: 02 May 2019 14:48

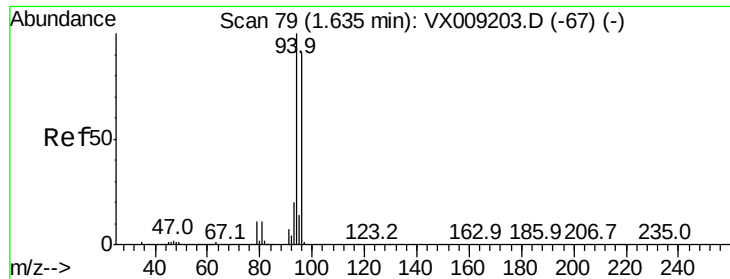
Tgt Ion: 62 Resp: 105340

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 44.292 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59834

Ion Ratio Lower Upper

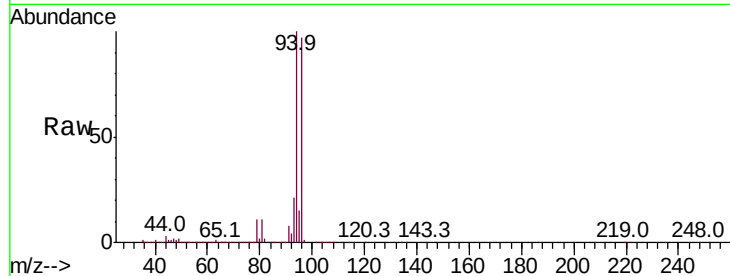
94 100

96 96.7 73.0 109.6

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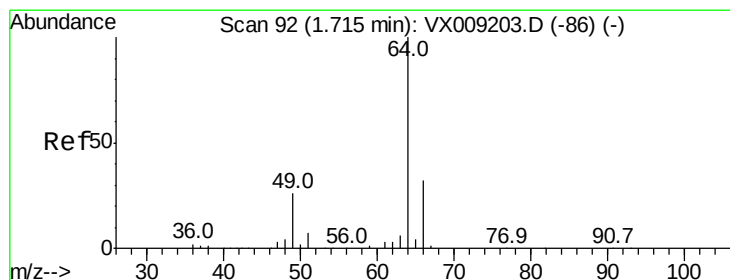
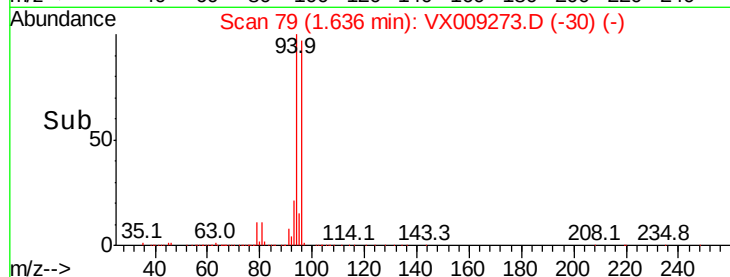
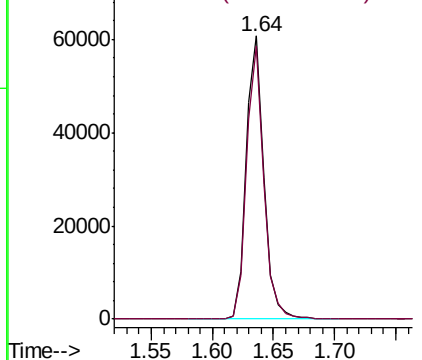
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.573 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009273.D

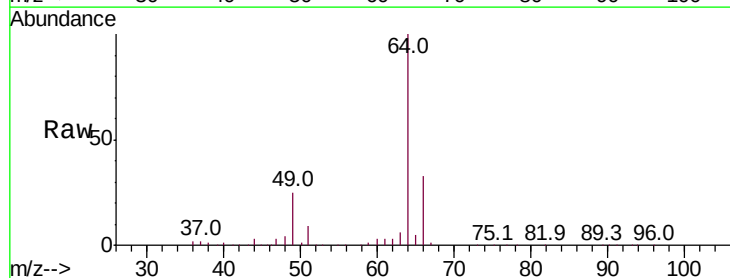
Acq: 02 May 2019 14:48

Tgt Ion: 64 Resp: 65854

Ion Ratio Lower Upper

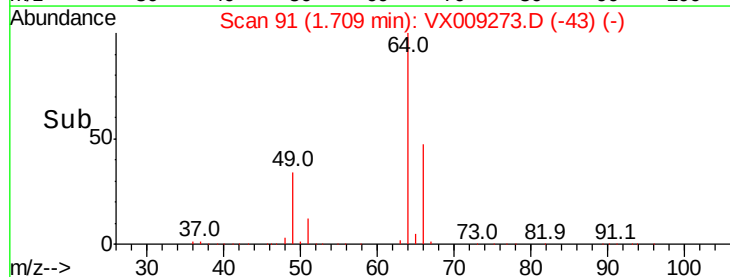
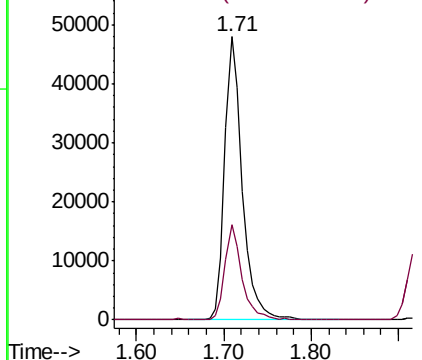
64 100

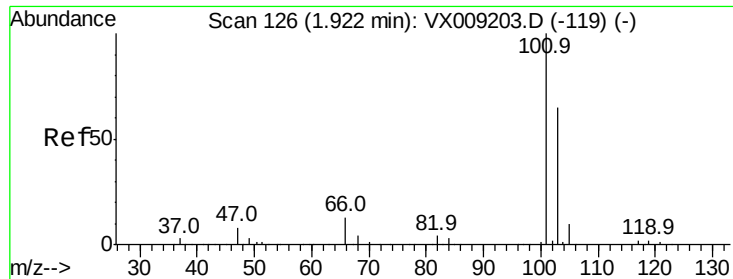
66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

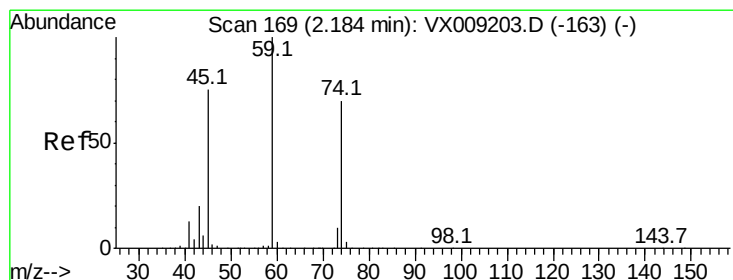
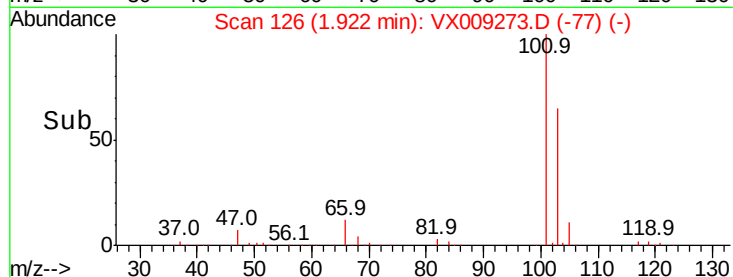
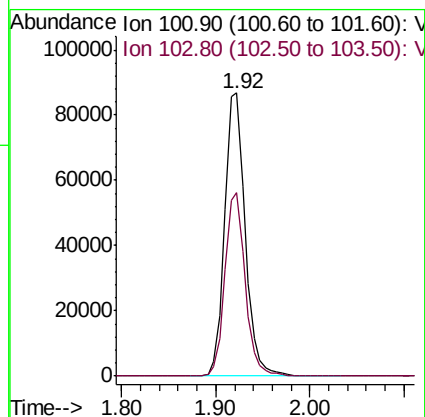
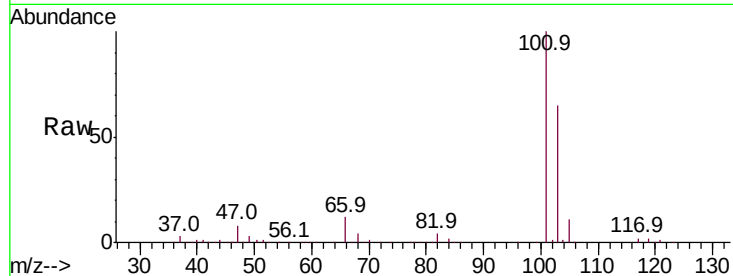
Trichlorofluoromethane
Concen: 47.913 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	131083		
103	64.8	52.4	78.6		

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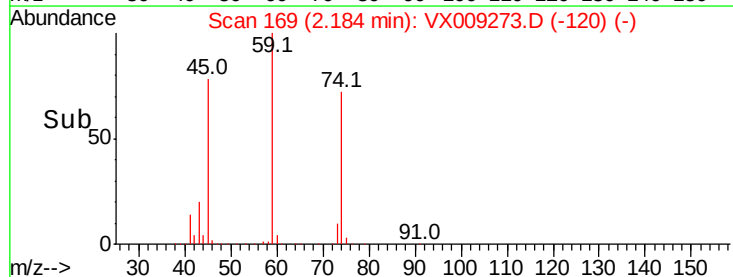
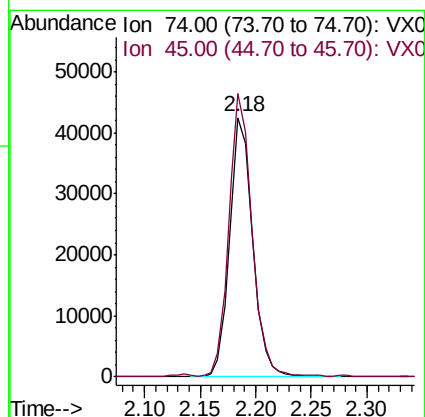
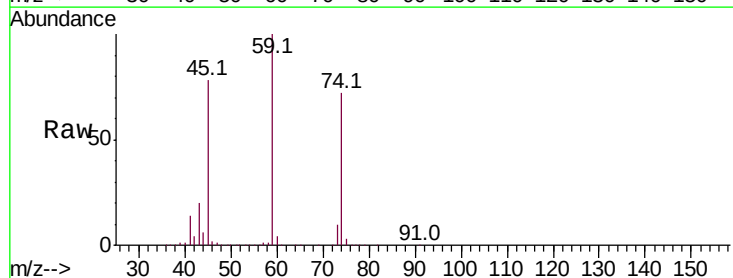
MMDadoda
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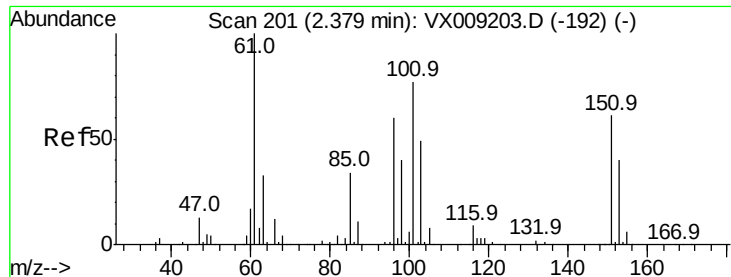


#8

Diethyl Ether
Concen: 47.119 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	61062		
45	108.6	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.772 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

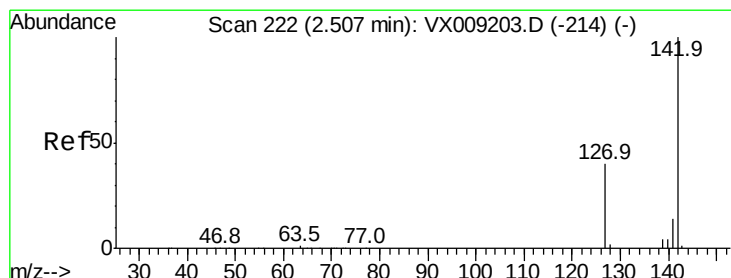
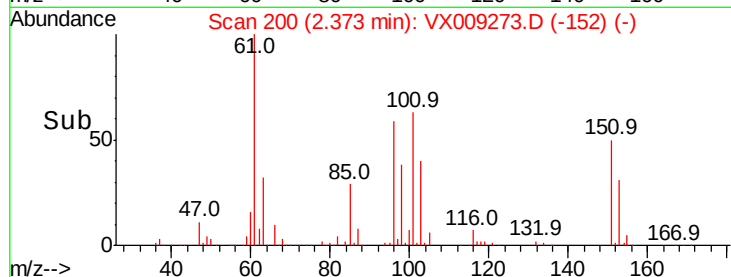
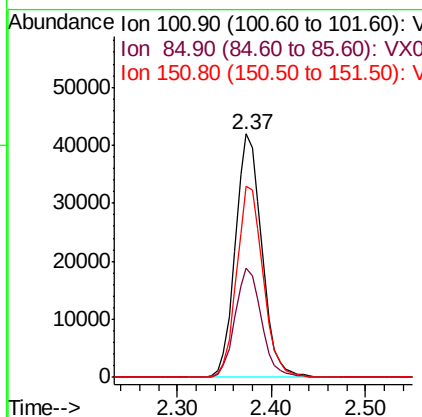
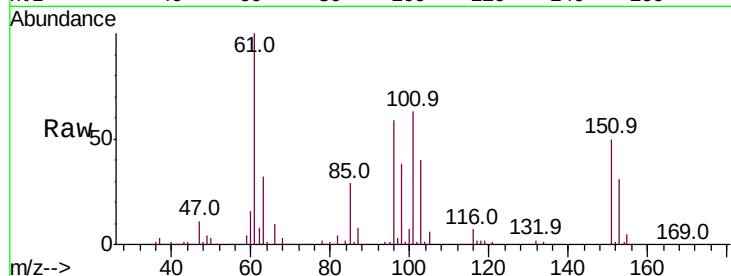
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	82073
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.7	53.5
151	78.5	62.2	93.2

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#10

Methyl Iodide

Concen: 45.278 ug/l

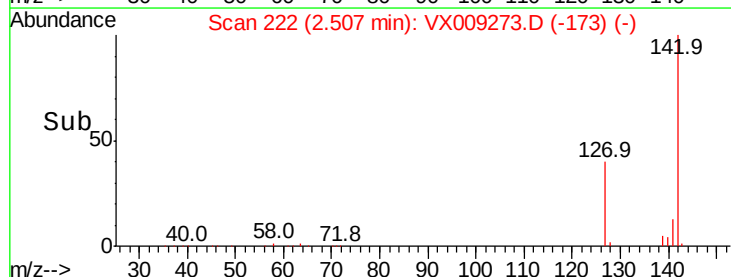
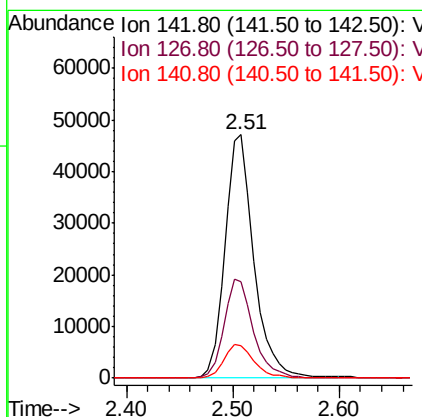
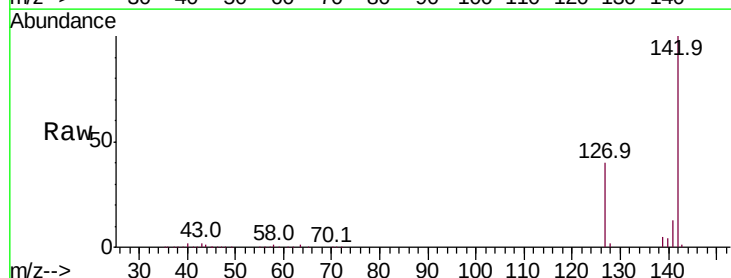
RT: 2.51 min Scan# 222

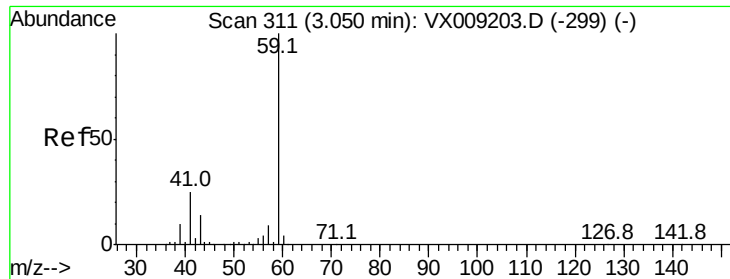
Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	142	Resp:	89428
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.7	49.1
141	14.5	11.5	17.3





#11

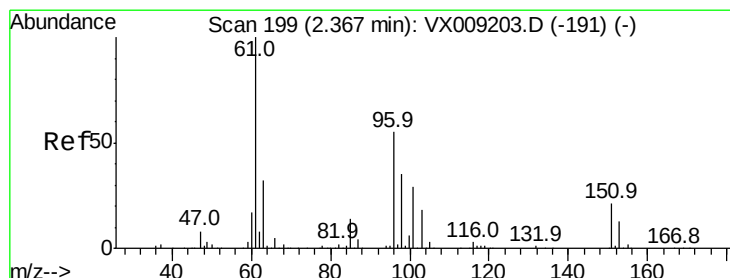
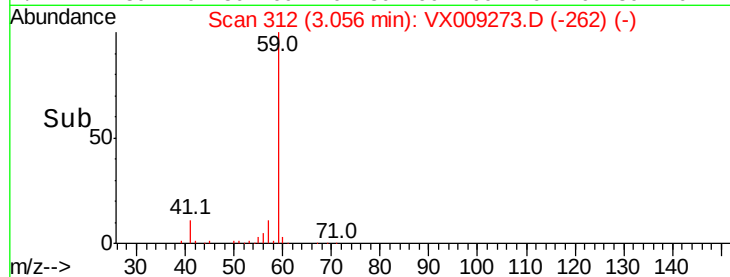
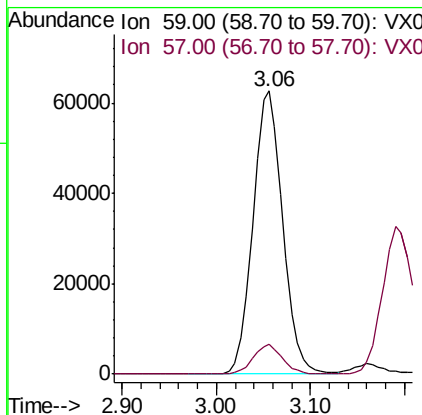
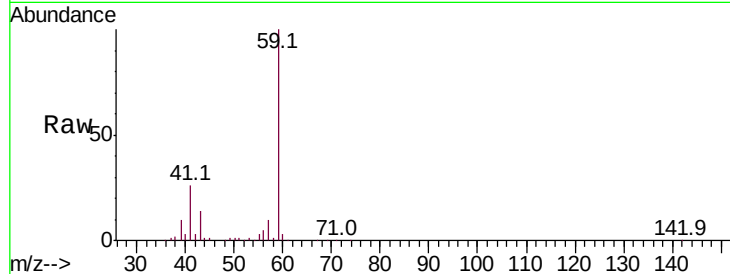
Tert butyl alcohol
Concen: 239.867 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	139054	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.5	Resp	139054	Lower	8.2	Upper	12.2

Manual Integrations
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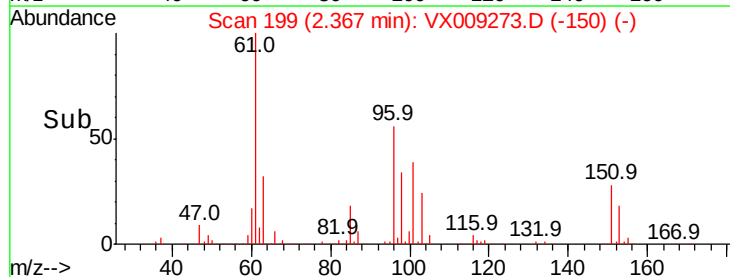
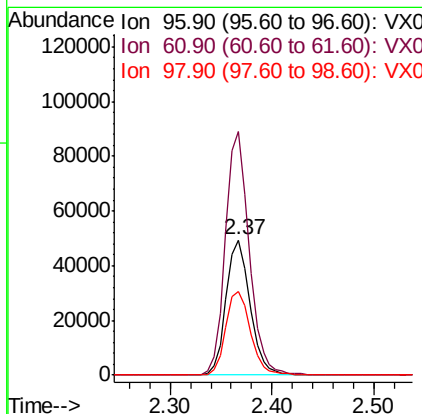
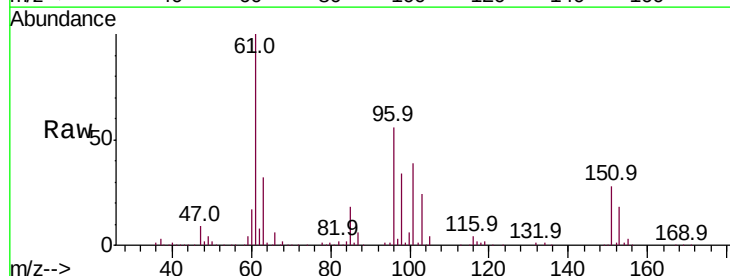
MMDadoda
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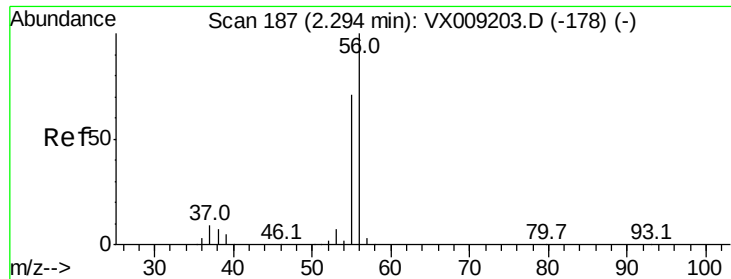


#12

1,1-Dichloroethene
Concen: 46.912 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	96	61	98	Ratio	100	179.7	62.0	Resp	80752	Lower	144.3	50.3	Upper	216.5	75.5
Ion	96	61	98	Ratio	100	179.7	62.0	Resp	80752	Lower	144.3	50.3	Upper	216.5	75.5





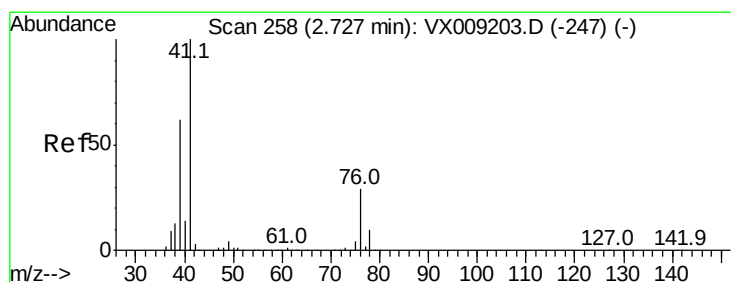
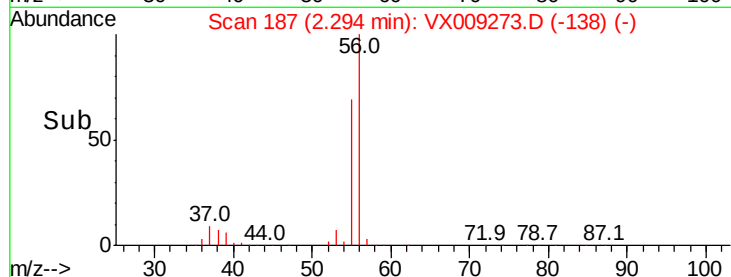
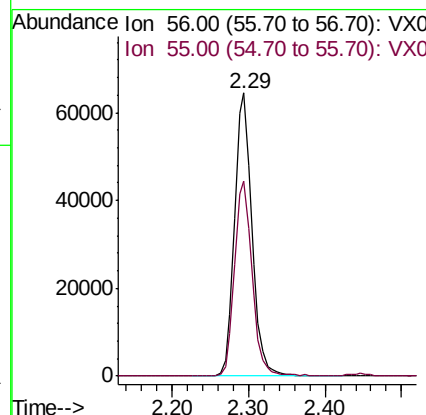
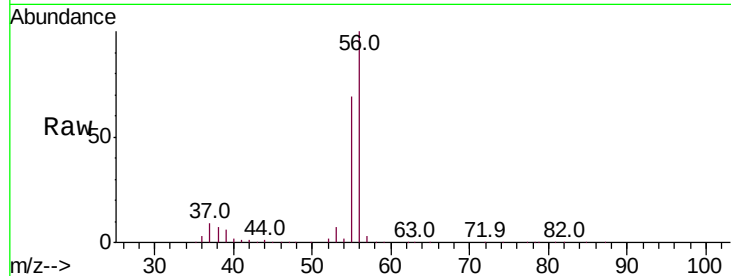
#13
Acrolein
Concen: 193.781 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	101736
Ion Ratio	Lower	Upper	
56	100		
55	69.1	56.6	85.0

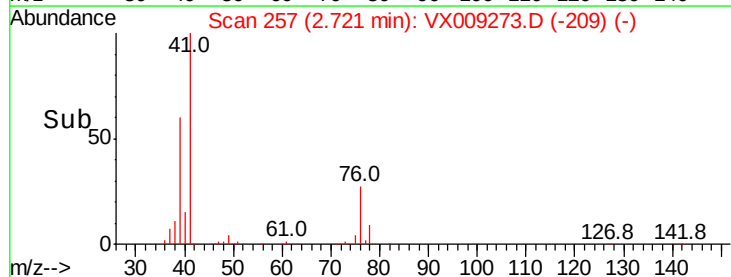
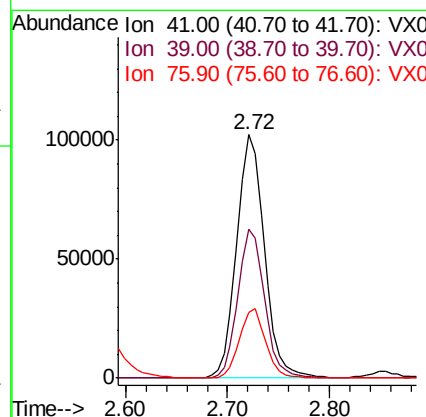
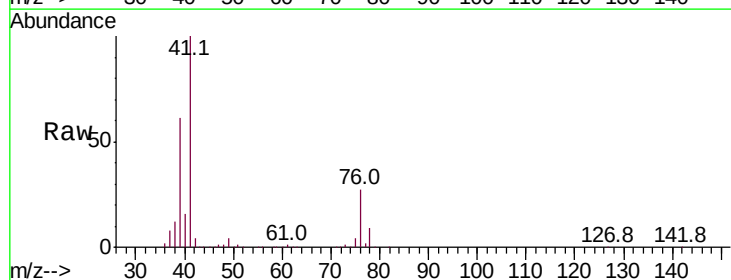
Manual Integrations
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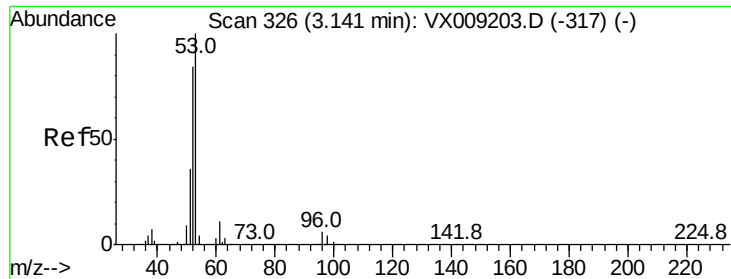
MMDadoda
5/3/2019 11:19:56 AM



#14
Allyl chloride
Concen: 46.018 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	41	Resp	193045
Ion Ratio	Lower	Upper	
41	100		
39	59.2	46.7	70.1
76	27.1	21.8	32.8





#15

Acrylonitrile

Concen: 233.418 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

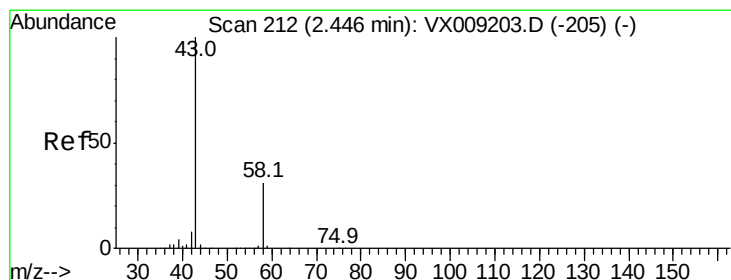
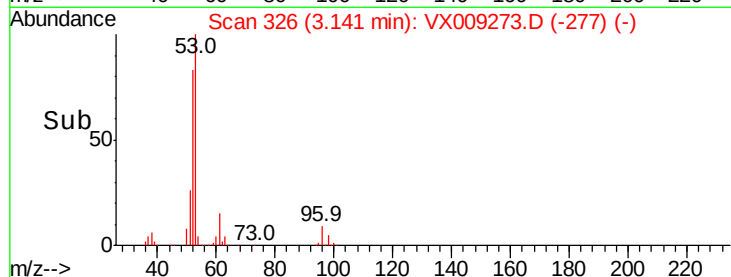
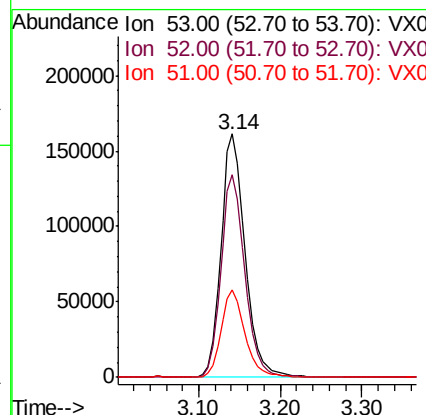
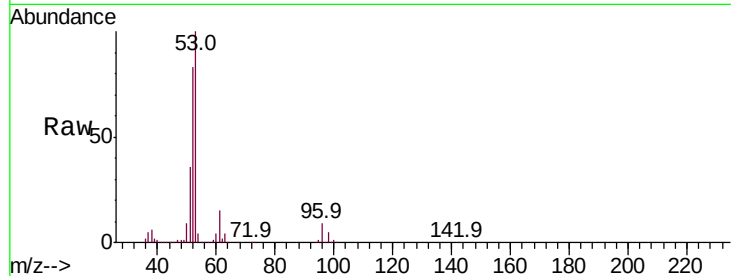
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	330856
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 222.878 ug/l

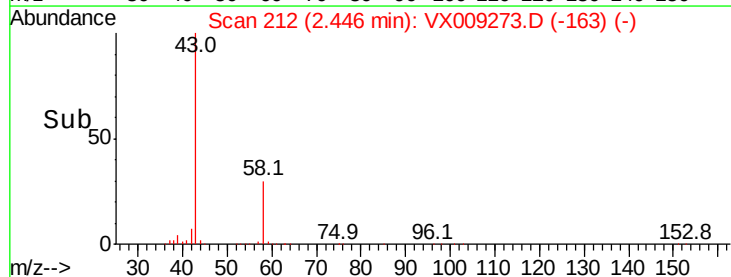
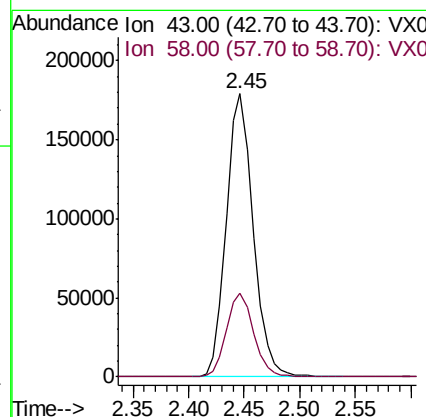
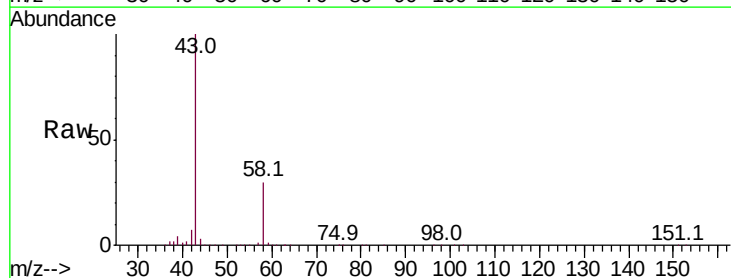
RT: 2.45 min Scan# 212

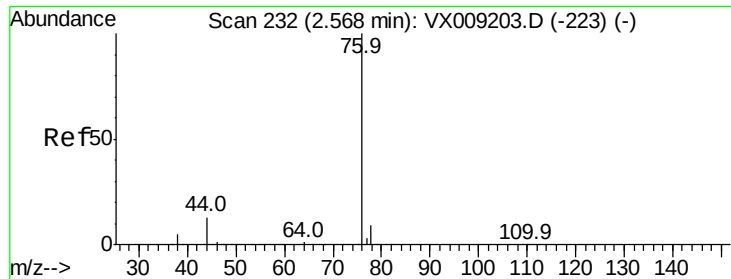
Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion	43	Resp	299721
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.9	37.3





#17

Carbon Disulfide

Concen: 44.894 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 216965

Ion Ratio Lower Upper

76 100

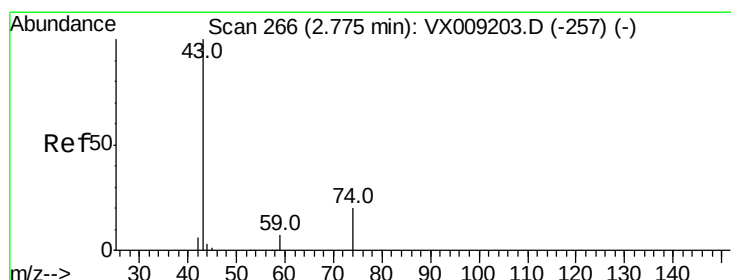
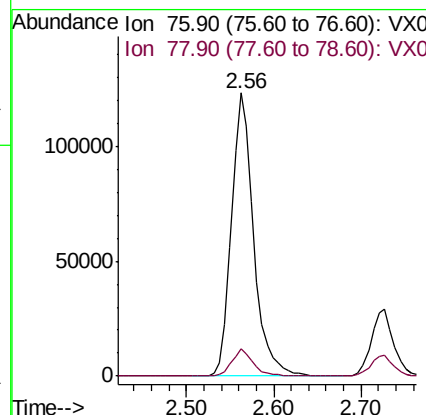
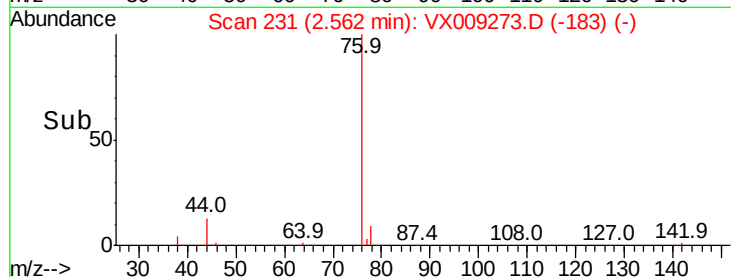
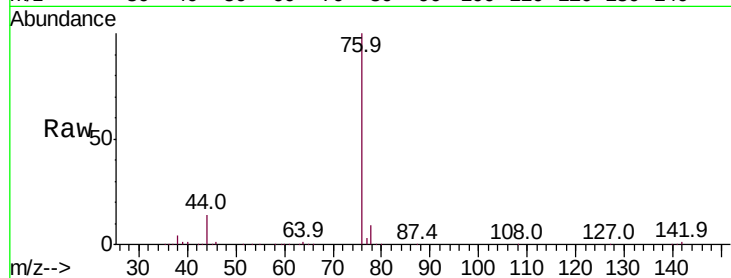
78 9.5 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 47.563 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009273.D

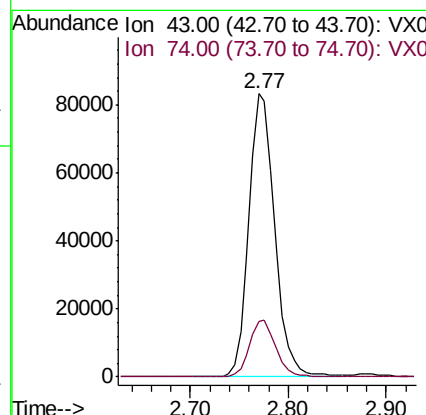
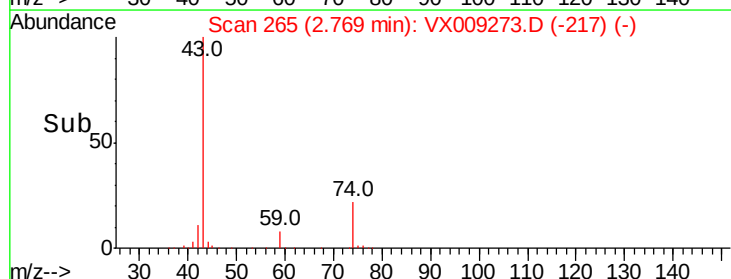
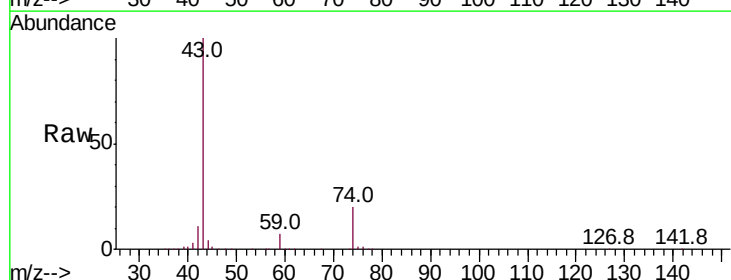
Acq: 02 May 2019 14:48

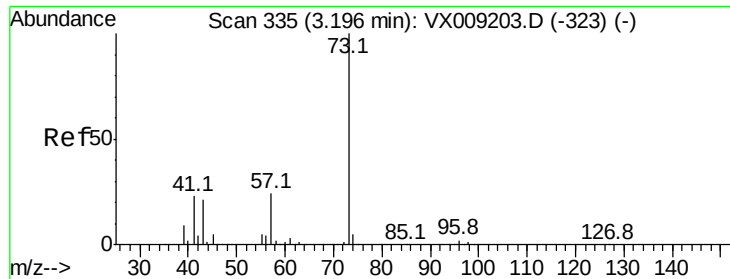
Tgt Ion: 43 Resp: 152113

Ion Ratio Lower Upper

43 100

74 20.5 16.2 24.4





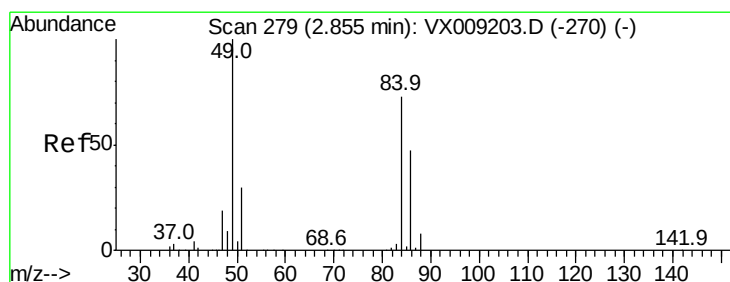
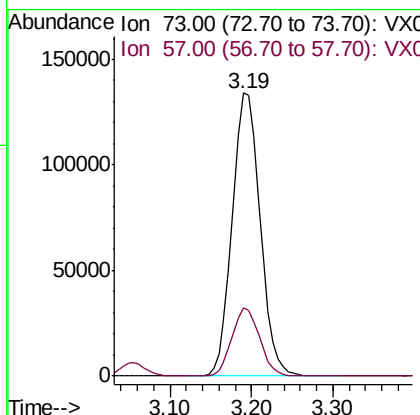
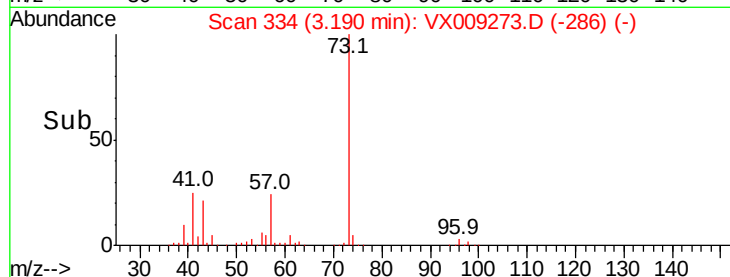
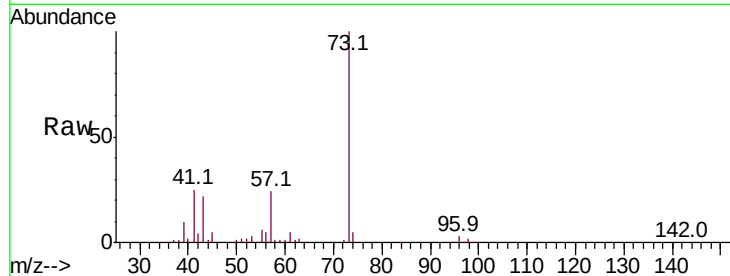
#19
Methyl tert-butyl Ether
Concen: 47.389 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

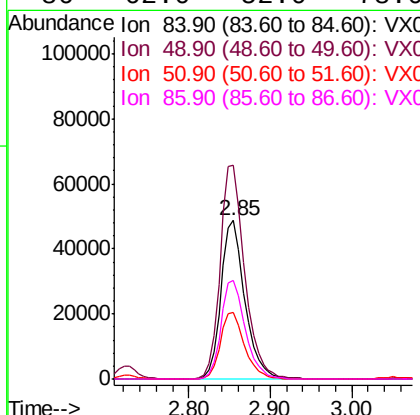
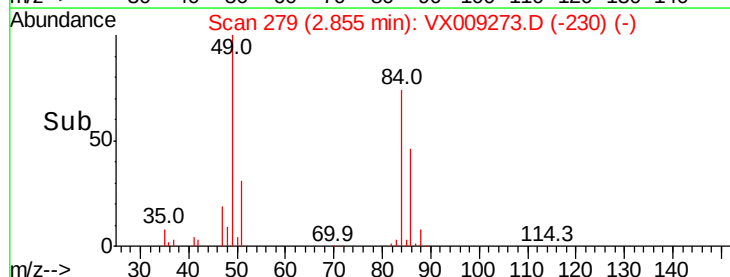
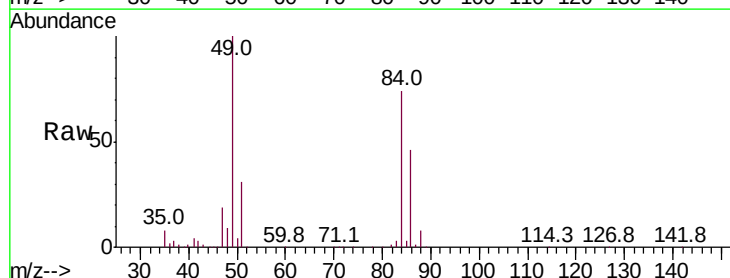
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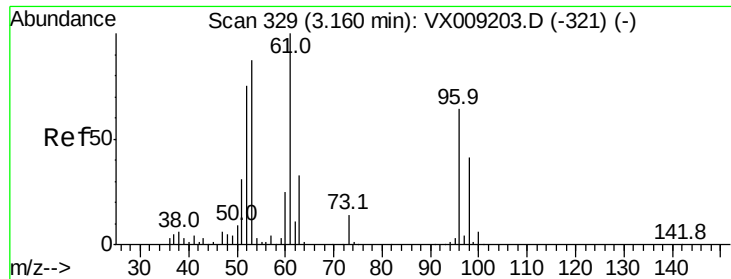
MMDadoda
5/3/2019 11:19:56 AM



#20
Methylene Chloride
Concen: 45.424 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.5	109.9	164.9
51	41.7	32.7	49.1
86	62.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 46.842 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 87445

Ion Ratio Lower Upper

96 100

61 154.0 124.5 186.7

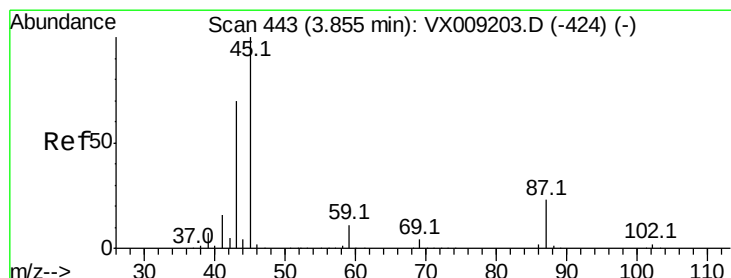
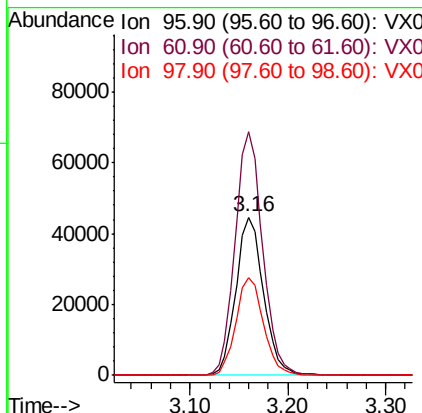
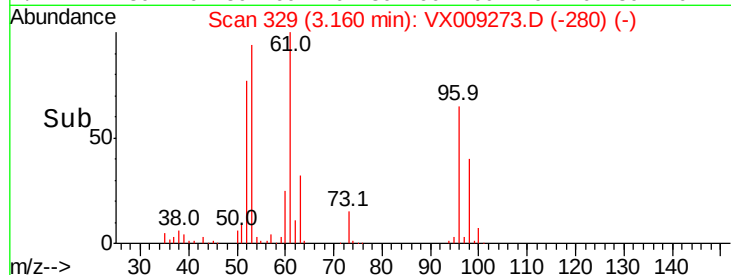
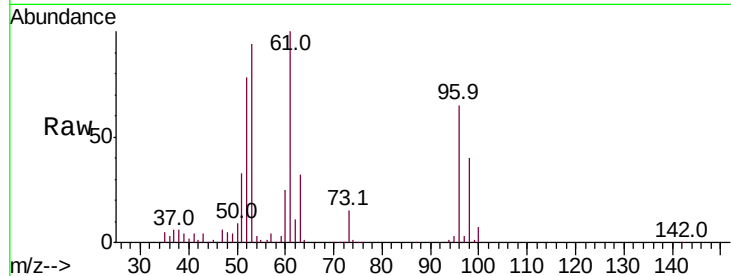
98 62.0 50.4 75.6

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#22

Diisopropyl ether

Concen: 47.490 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion: 45 Resp: 383121

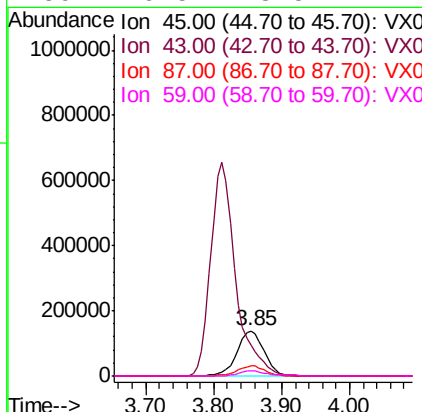
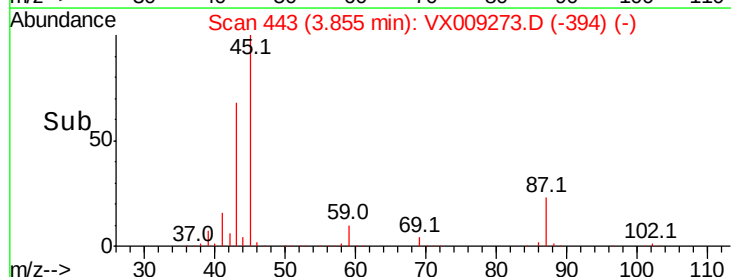
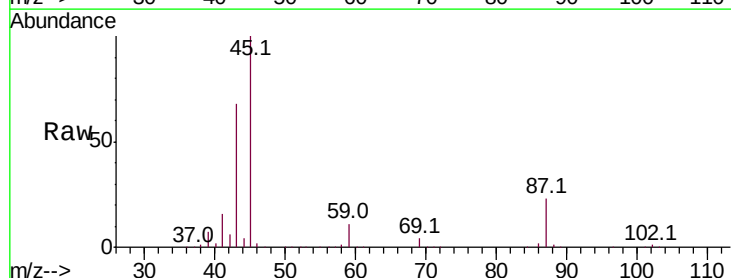
Ion Ratio Lower Upper

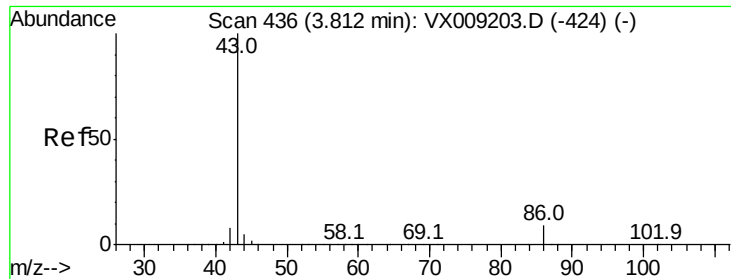
45 100

43 67.4 56.1 84.1

87 22.9 18.1 27.1

59 10.5 8.5 12.7





#23

Vinyl Acetate

Concen: 242.831 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1677535

Ion Ratio Lower Upper

43 100

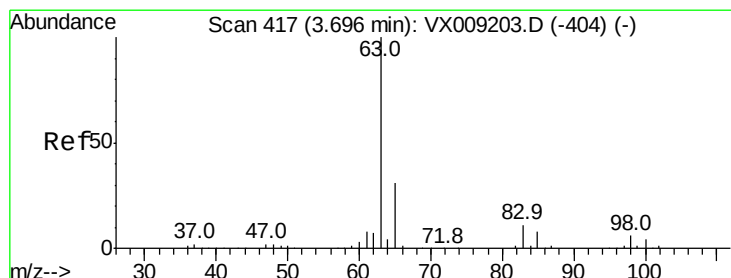
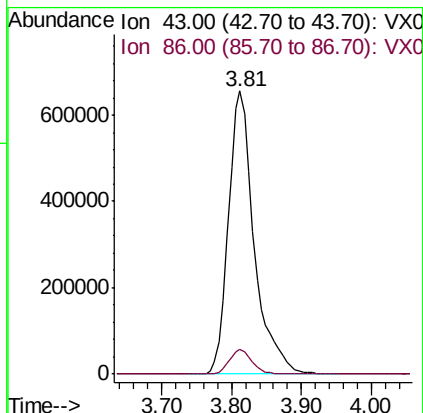
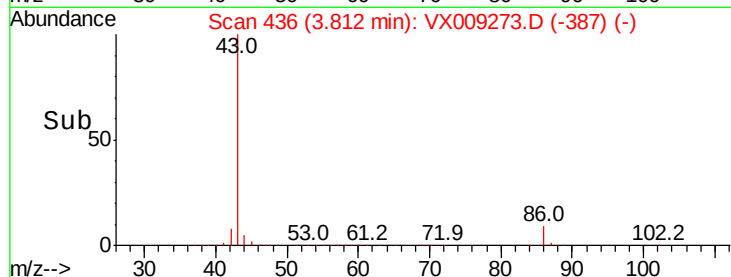
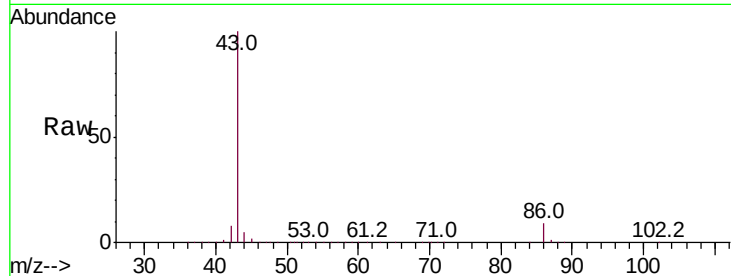
86 8.6 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.951 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

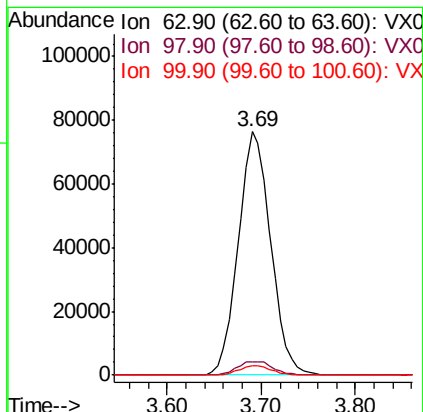
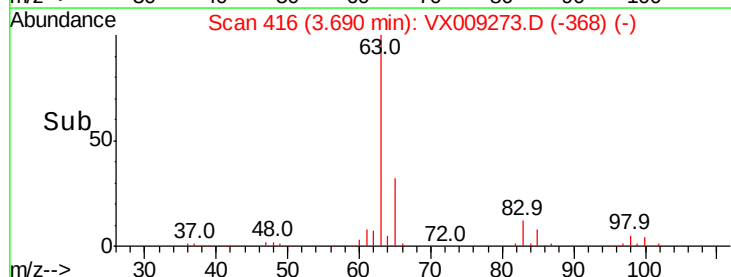
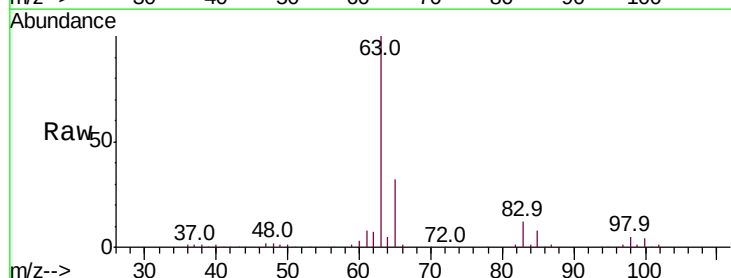
Tgt Ion: 63 Resp: 182874

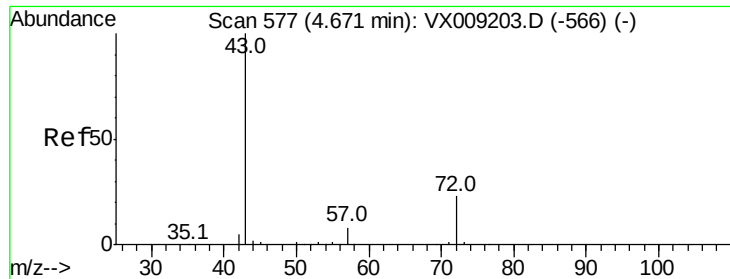
Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 237.999 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497355

Ion Ratio Lower Upper

43 100

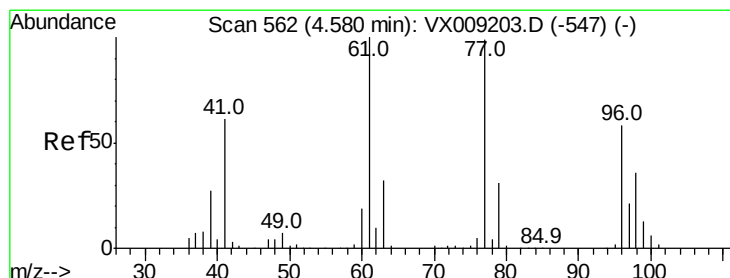
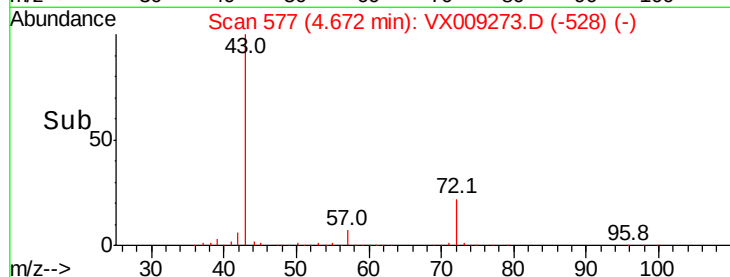
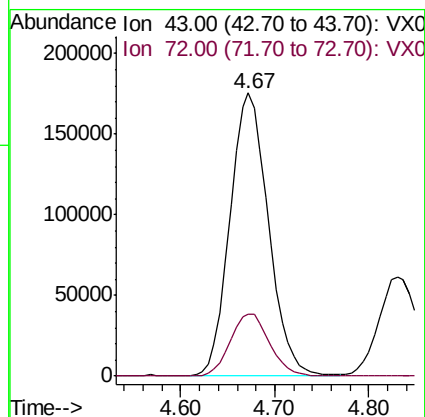
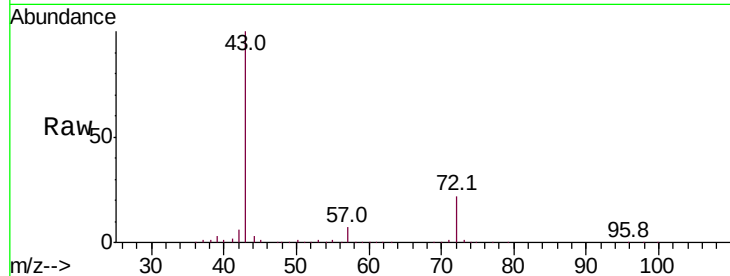
72 22.0 18.2 27.2

Manual Integrations

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MMDadoda

5/3/2019 11:19:56 AM



#26

2,2-Dichloropropane

Concen: 46.556 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009273.D

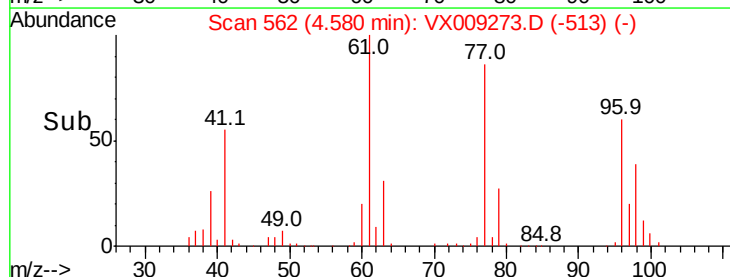
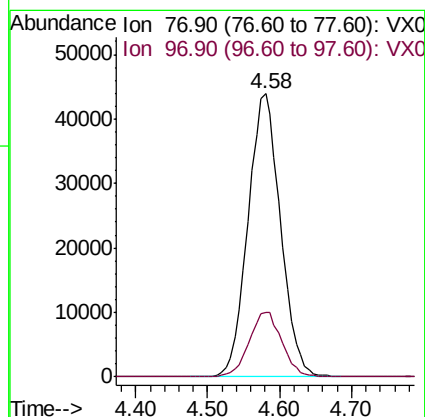
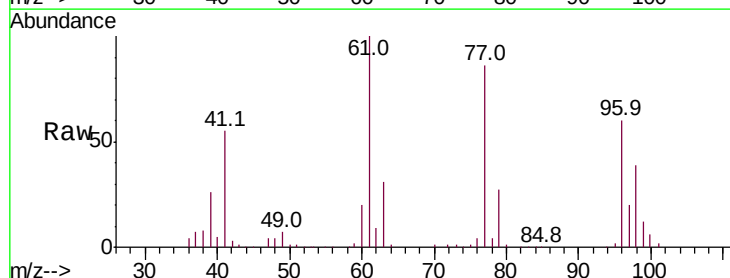
Acq: 02 May 2019 14:48

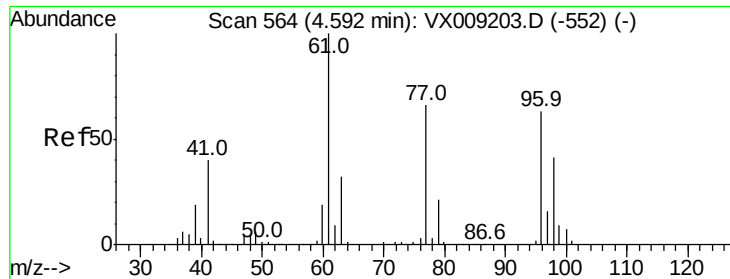
Tgt Ion: 77 Resp: 137912

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

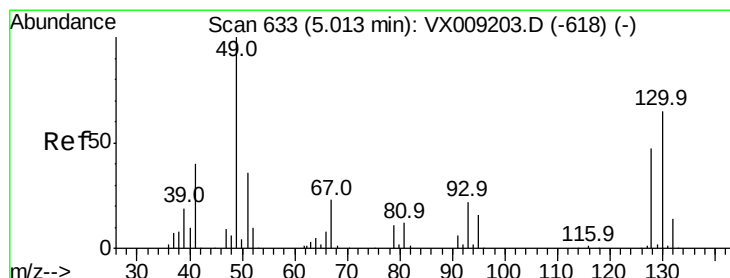
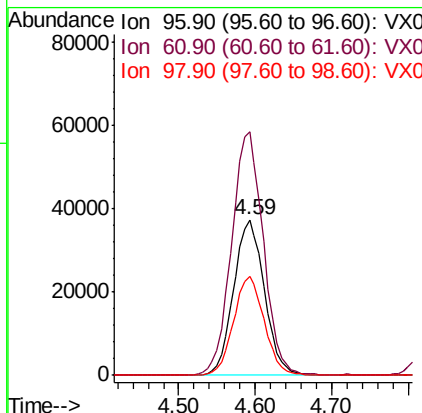
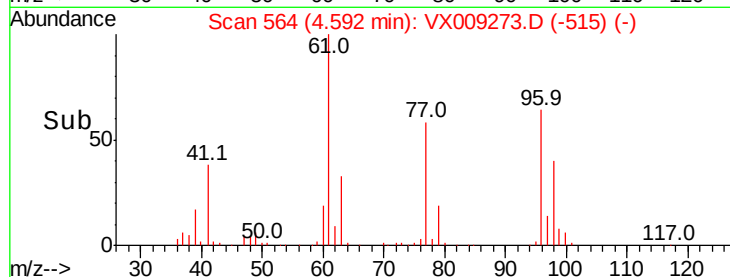
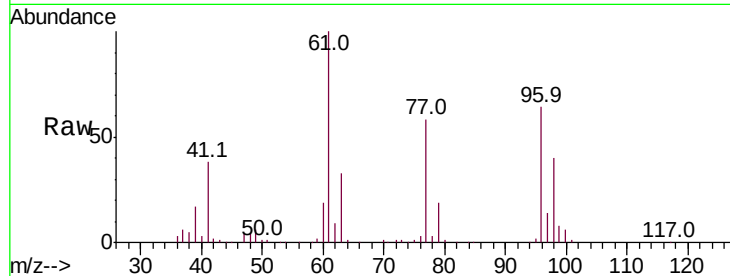
cis-1,2-Dichloroethene
 Concen: 46.630 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.6	0.0	324.0	
98	63.6	0.0	130.4	

Manual Integrations
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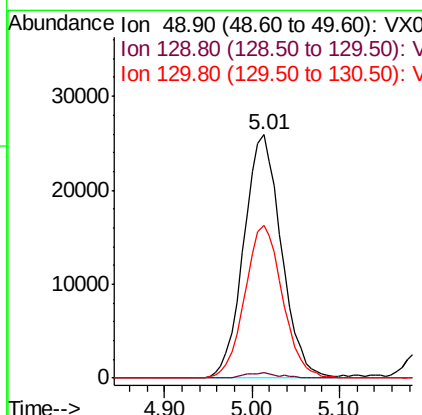
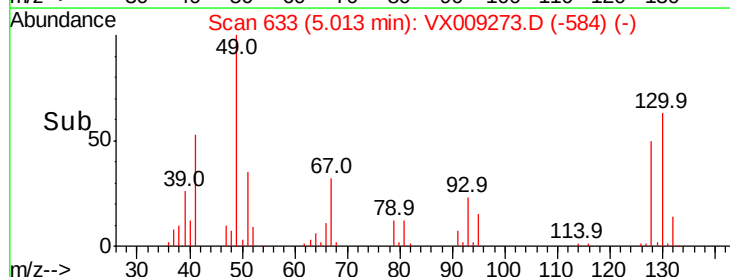
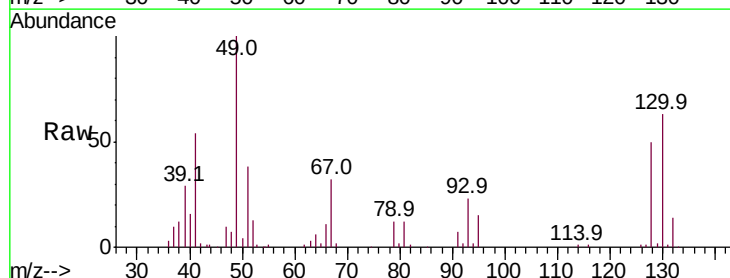
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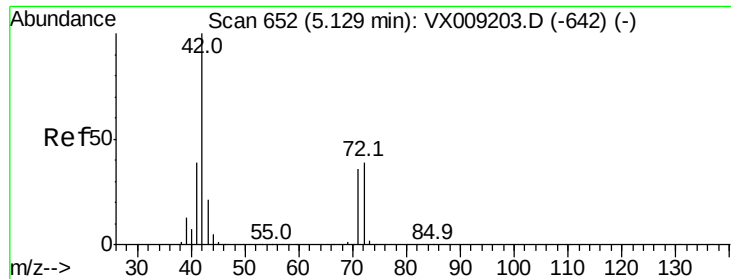


#28

Bromochloromethane
 Concen: 48.274 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	62.9	51.2	76.8	





#29

Tetrahydrofuran

Concen: 240.006 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

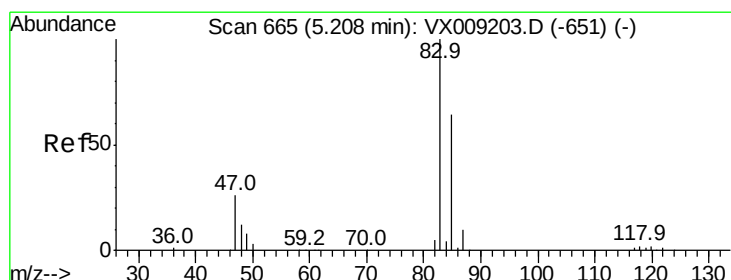
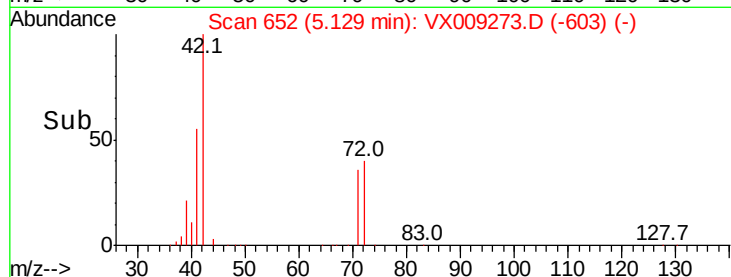
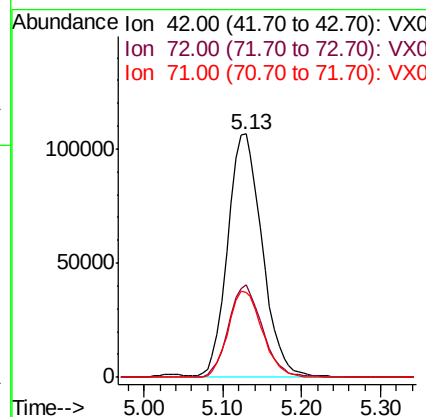
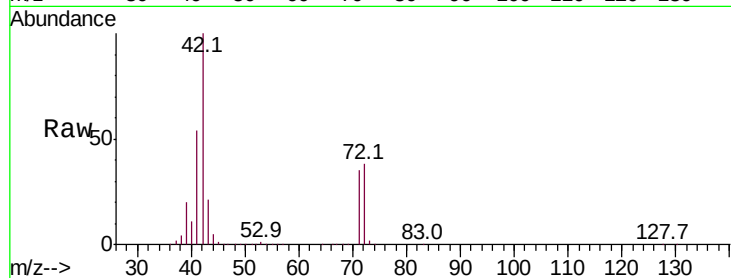
ClientSampled :

VSTDCCC050

Tot Ion:	42	Resp:	322746
Ion Ratio	Lower	Upper	
42	100		
72	37.8	30.4	45.6
71	35.6	28.6	43.0

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#30

Chloroform

Concen: 47.198 ug/l

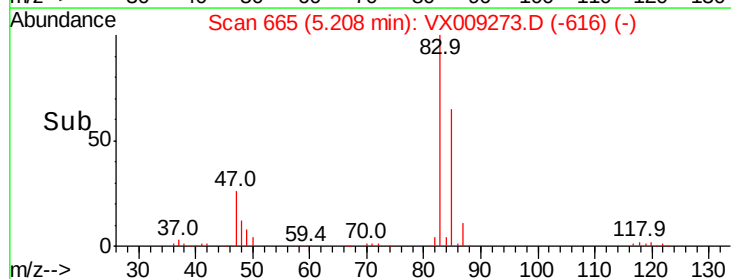
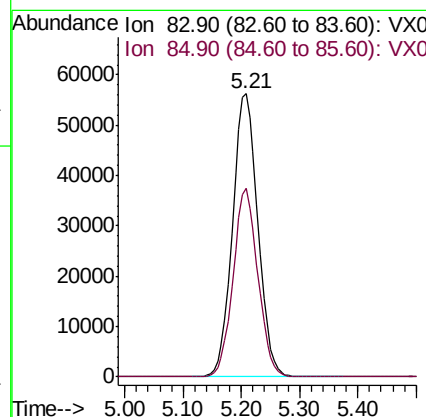
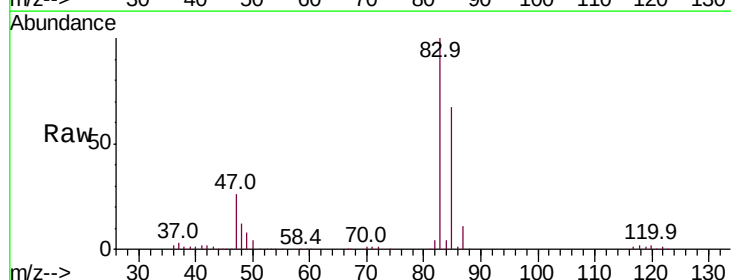
RT: 5.21 min Scan# 665

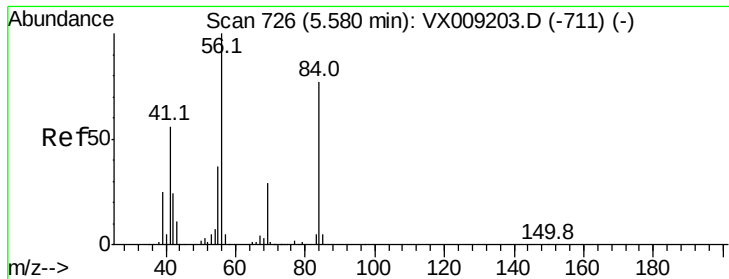
Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	83	Resp:	169888
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.5	77.3





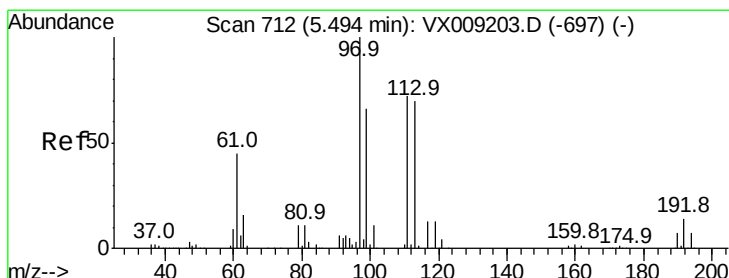
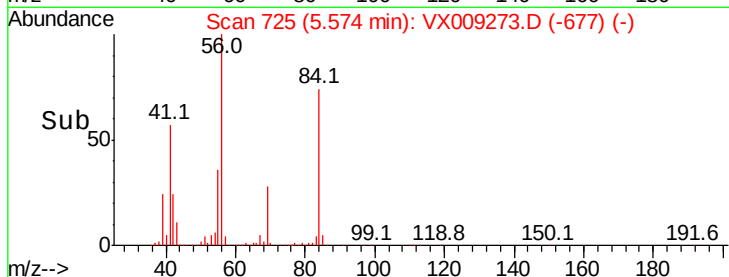
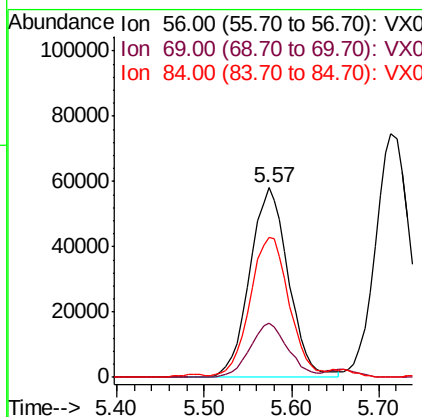
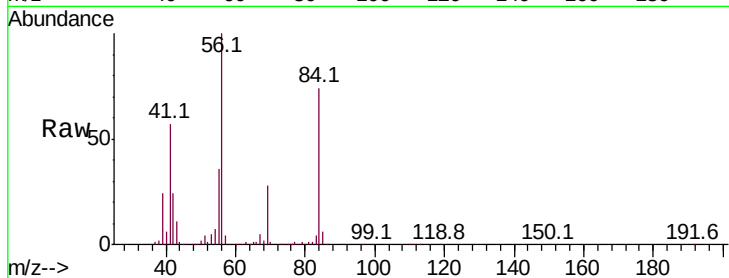
#31
Cyclohexane
Concen: 48.209 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	178501
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.4	35.0
84	72.6	61.9	92.9

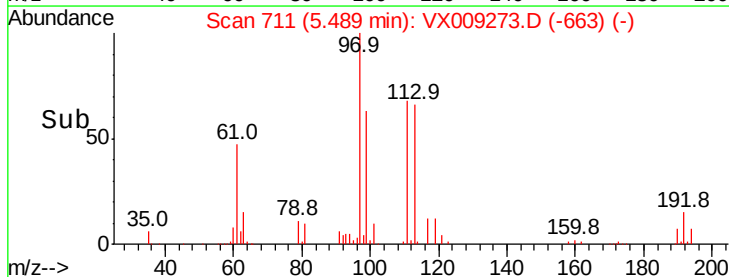
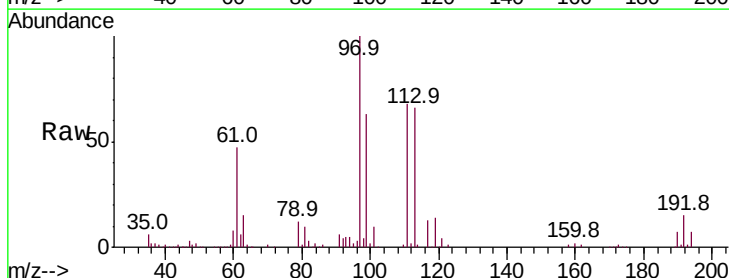
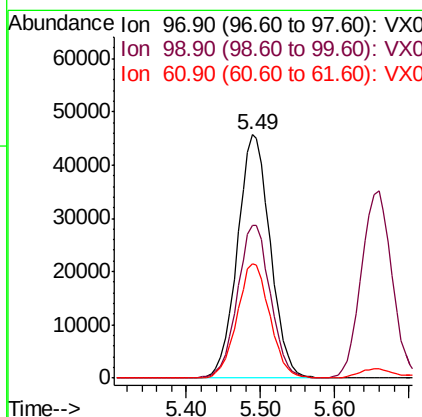
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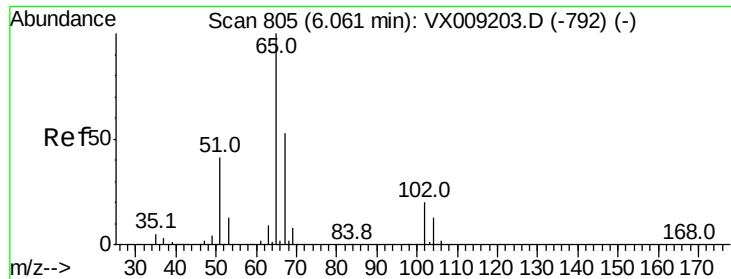
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#32
1,1,1-Trichloroethane
Concen: 47.023 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion:	97	Resp:	140899
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.8
61	47.2	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 48.928 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

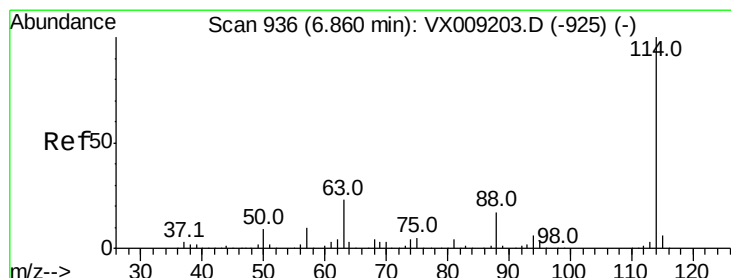
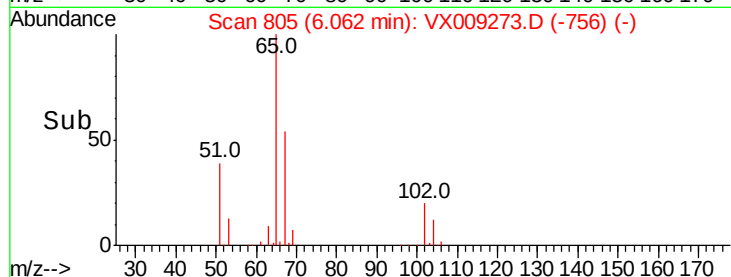
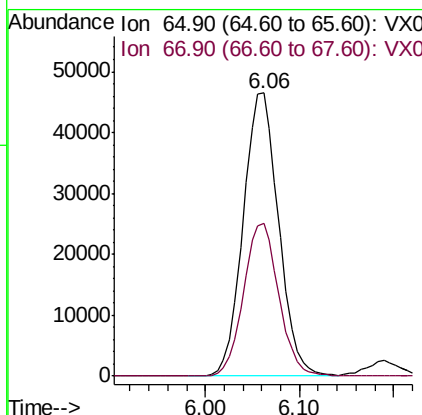
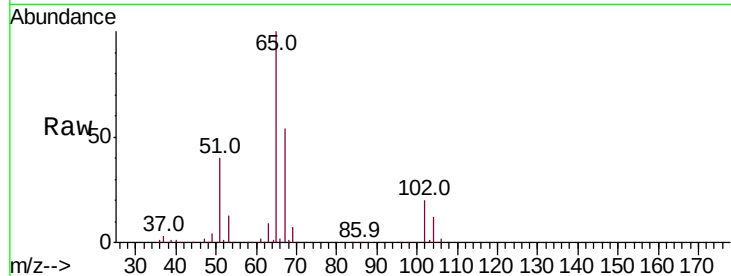
Instrument :
MSVOA_X

ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	106.6	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

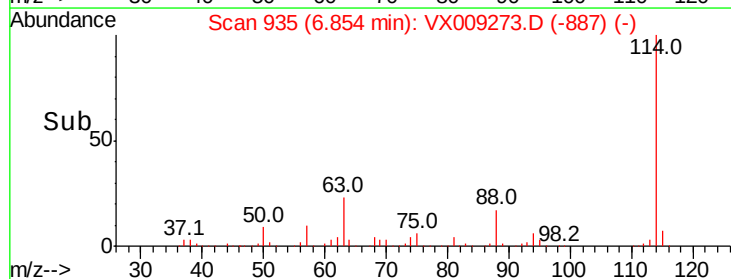
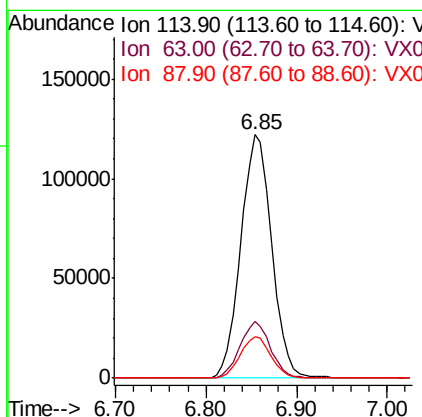
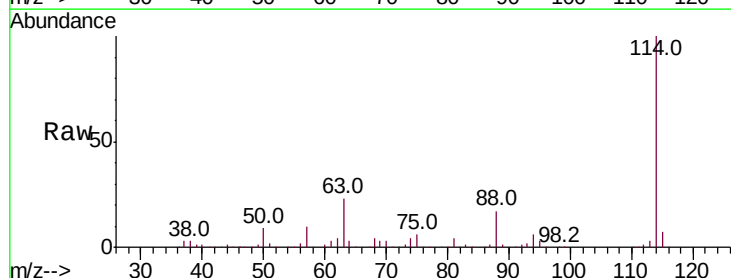
RT: 6.85 min Scan# 935

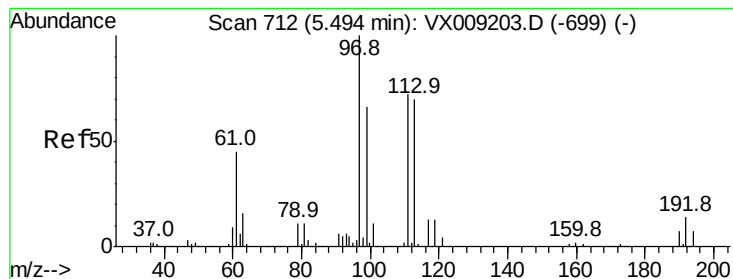
Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.4	0.0	45.6	
88	16.8	0.0	33.2	





#35

Dibromofluoromethane

Concen: 50.320 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

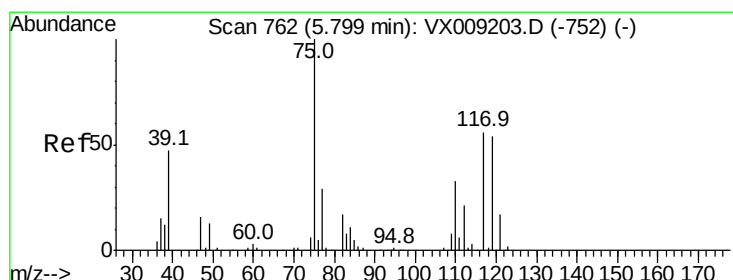
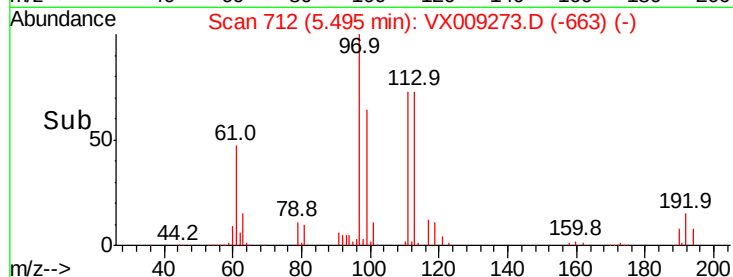
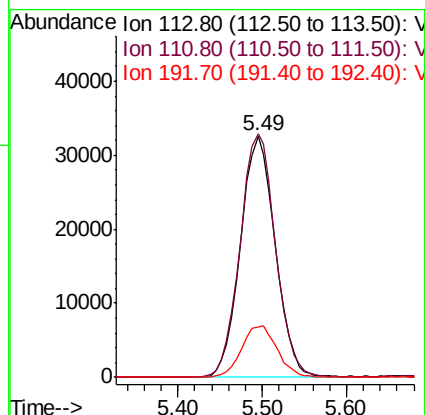
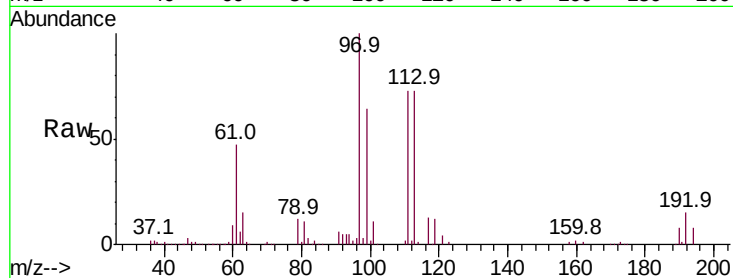
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	91181
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	21.9	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 48.469 ug/l

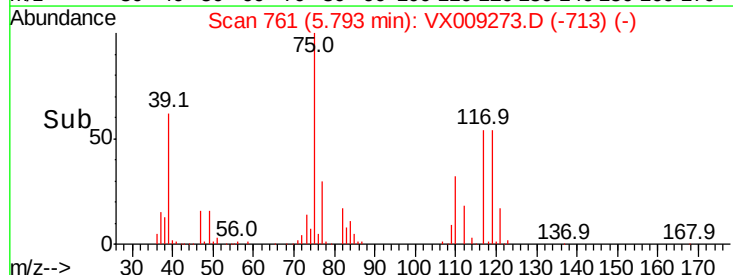
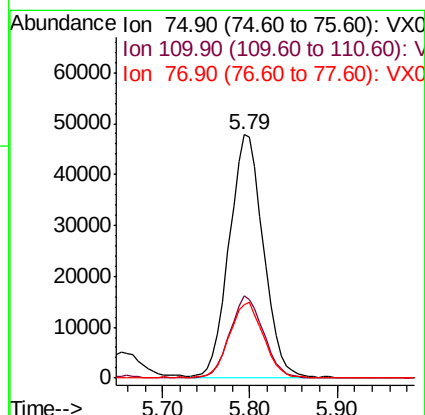
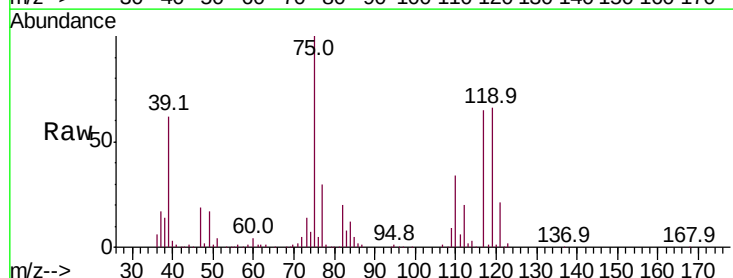
RT: 5.79 min Scan# 761

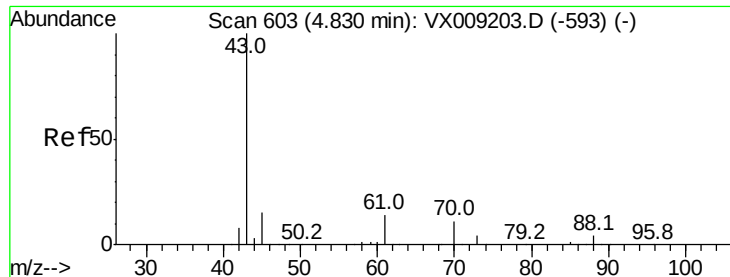
Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	75	Resp:	129835
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	31.0	24.8	37.2





#37

Ethyl Acetate

Concen: 49.350 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

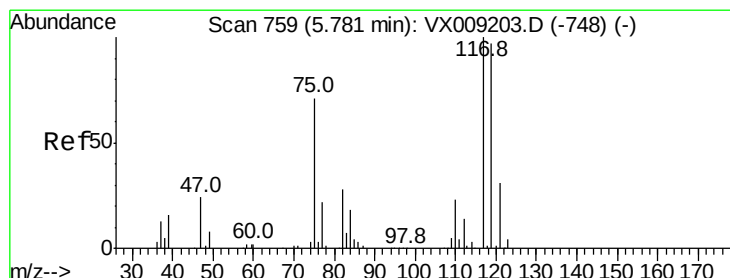
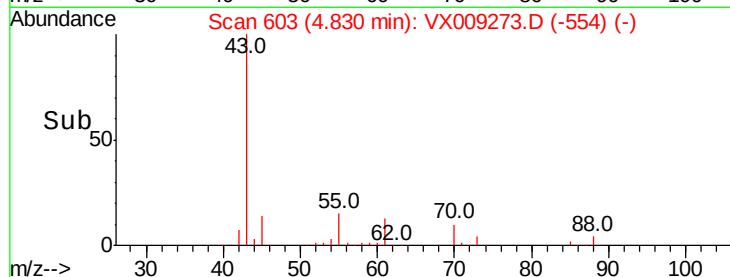
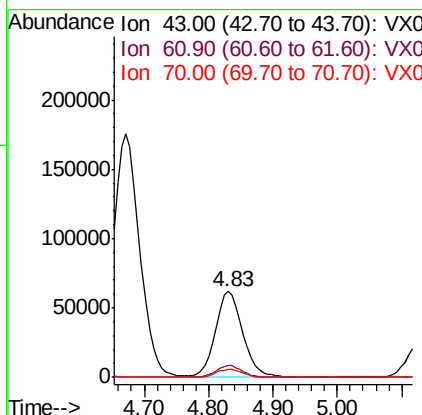
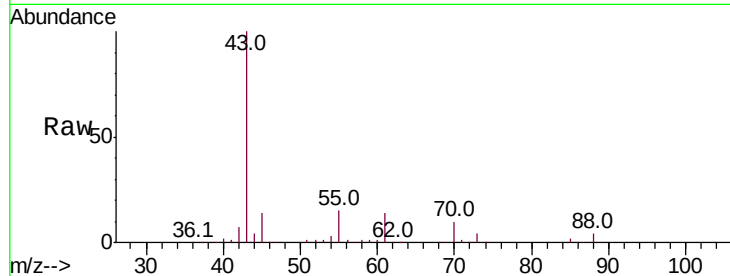
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	184187
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.6	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.317 ug/l

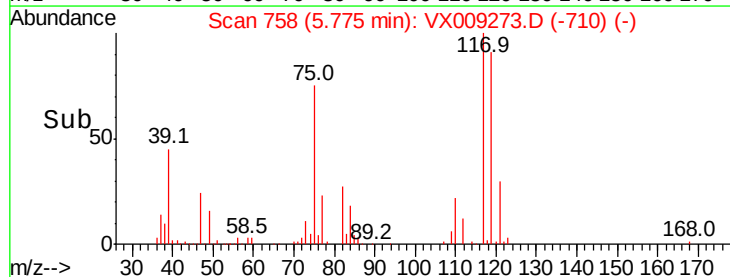
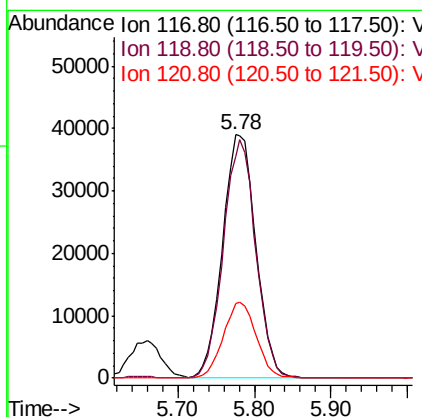
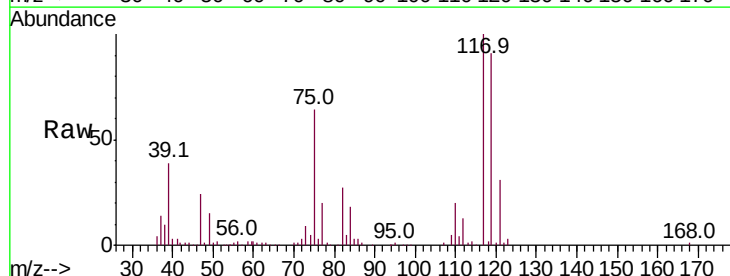
RT: 5.78 min Scan# 758

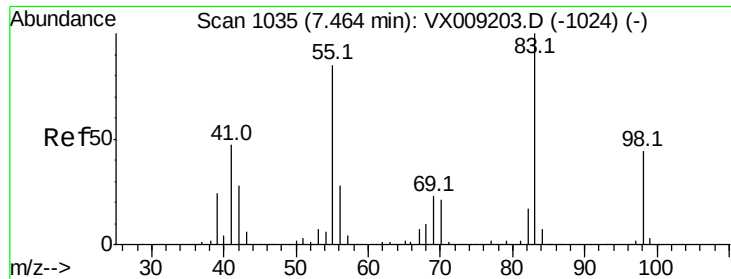
Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	117	Resp:	117592
Ion	Ratio	Lower	Upper
117	100		
119	91.2	77.5	116.3
121	30.6	24.7	37.1





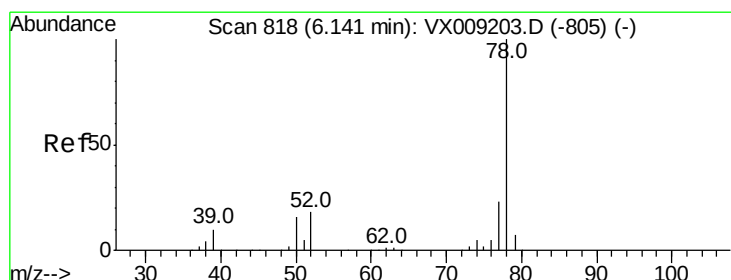
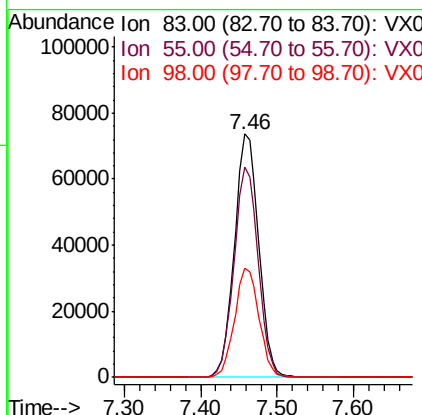
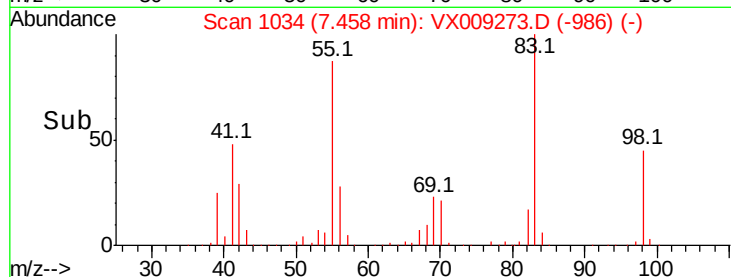
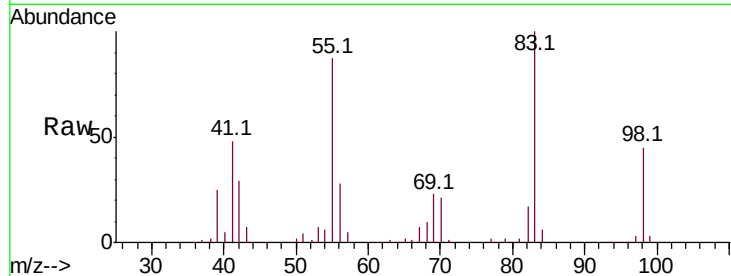
#39
Methvlcvclohexane
Concen: 49.152 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	67.7	101.5
98	44.7	35.5	53.3

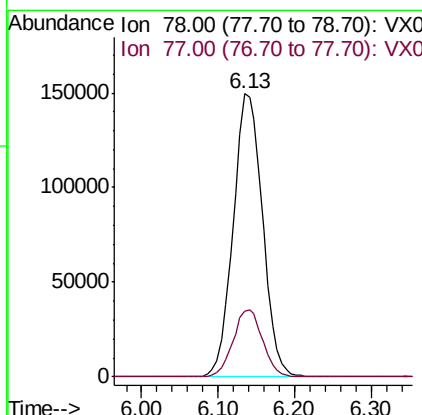
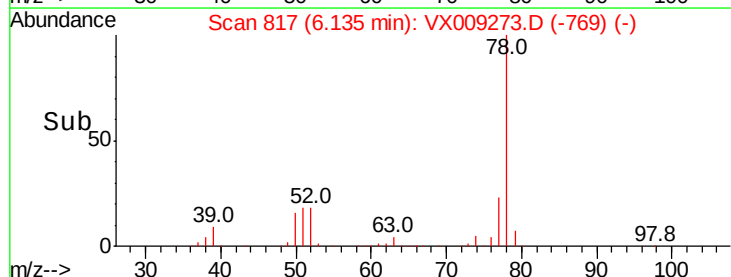
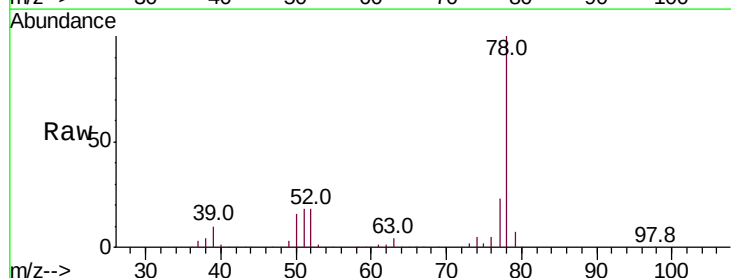
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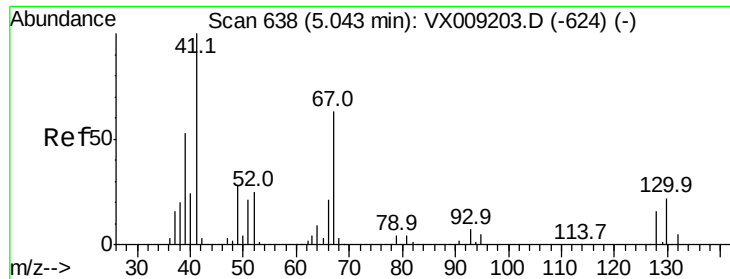
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#40
Benzene
Concen: 47.941 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 47.202 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

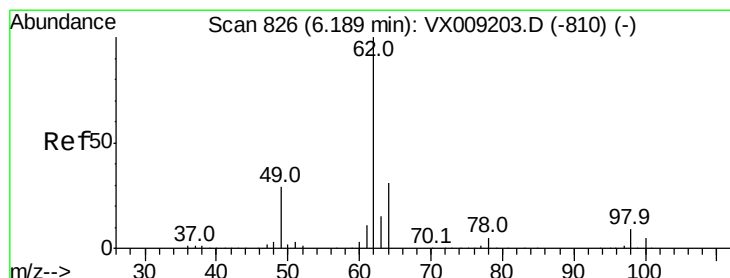
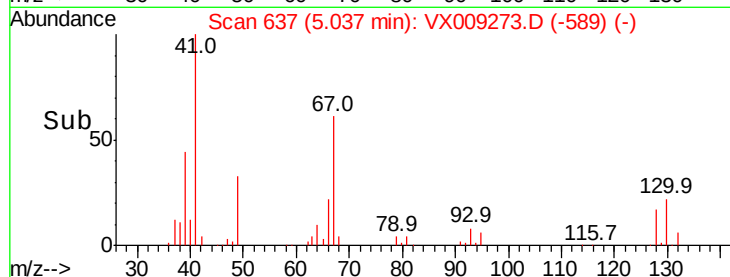
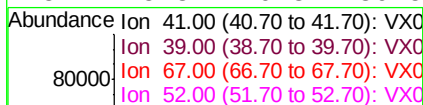
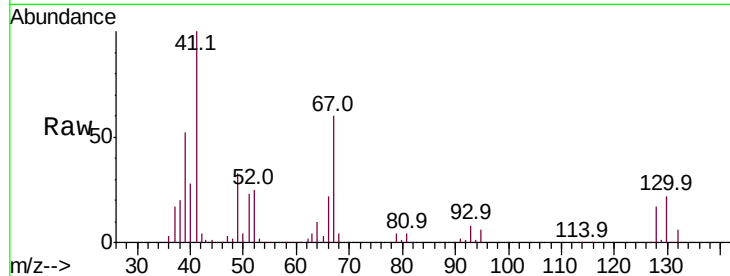
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.0	63.0	
67	62.6	49.8	74.8	
52	25.8	20.3	30.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.124 ug/l

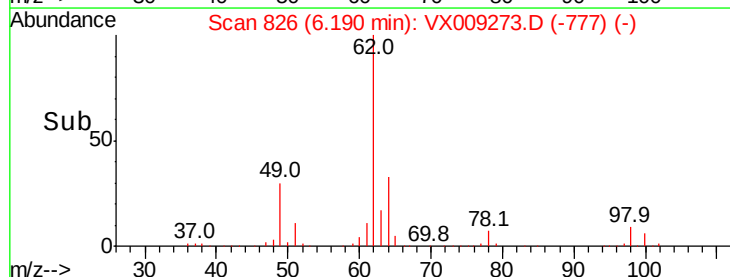
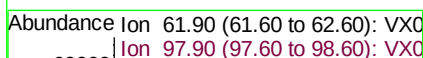
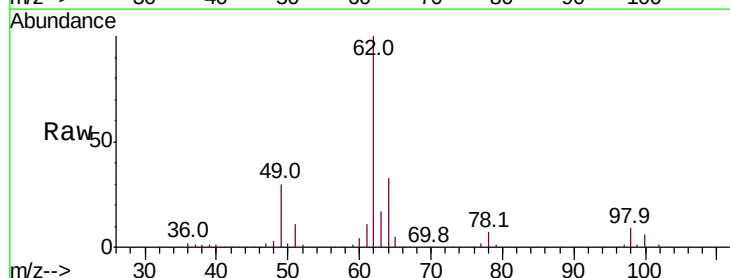
RT: 6.19 min Scan# 826

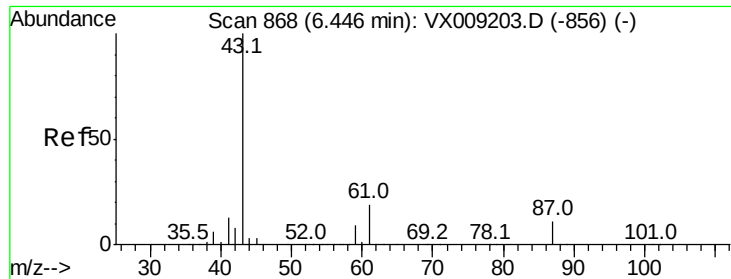
Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.2	





#43

Isopropyl Acetate

Concen: 48.982 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

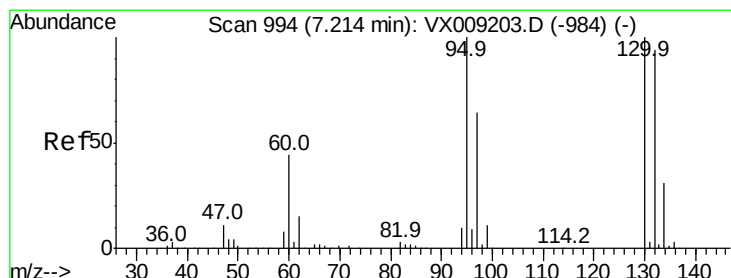
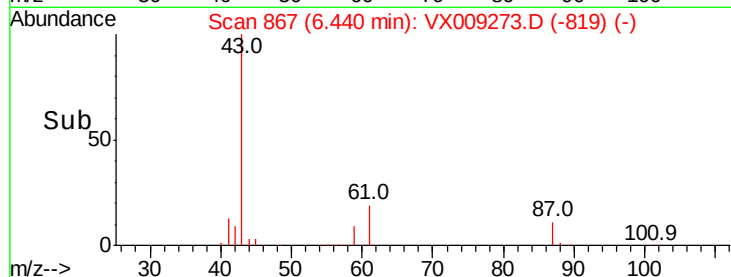
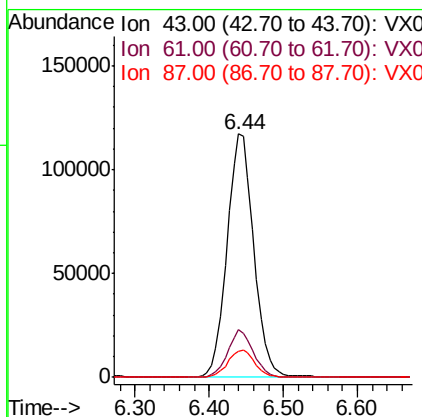
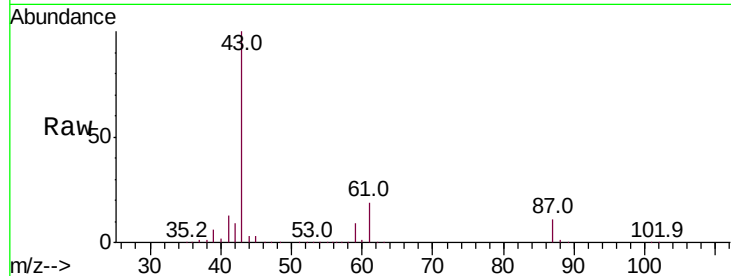
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	292420
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 47.713 ug/l

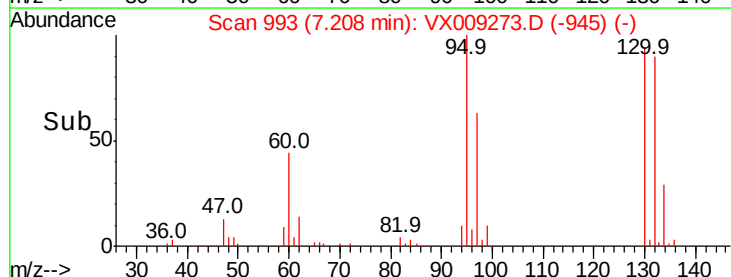
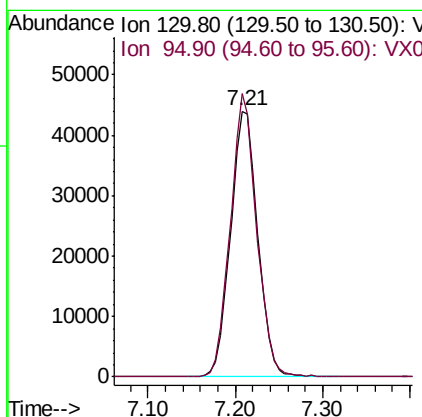
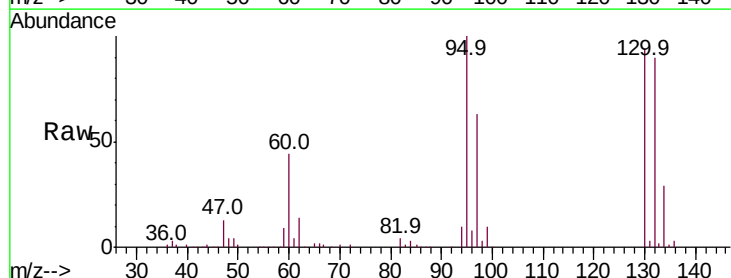
RT: 7.21 min Scan# 993

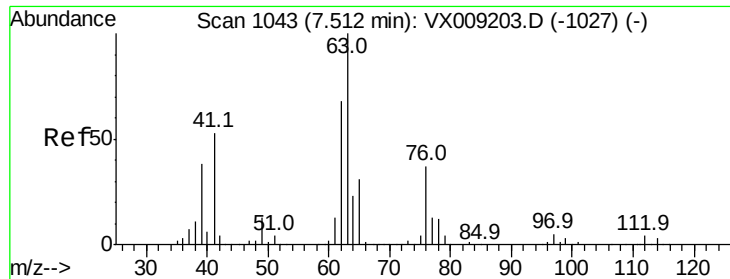
Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	130	Resp:	95624
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 48.400 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 113616

Ion Ratio Lower Upper

63 100

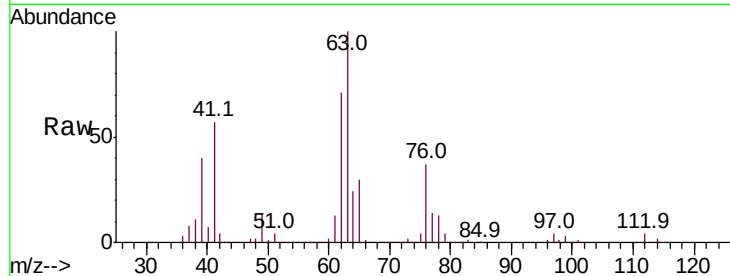
65 29.6 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

20000

10000

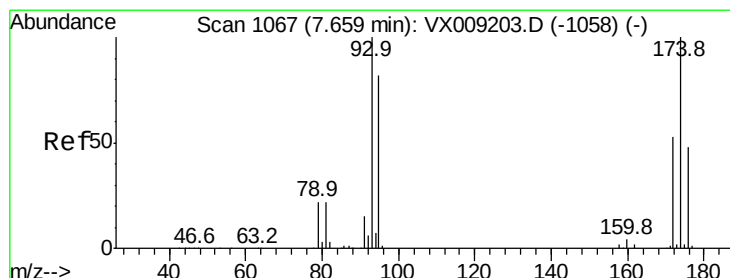
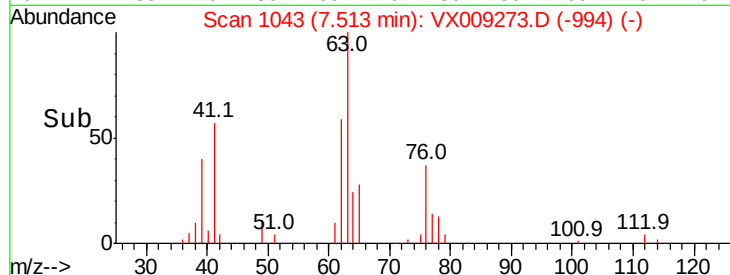
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 47.091 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

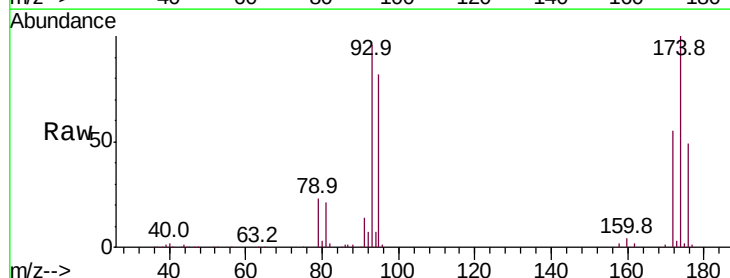
Tgt Ion: 93 Resp: 64193

Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 104.1 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

20000

10000

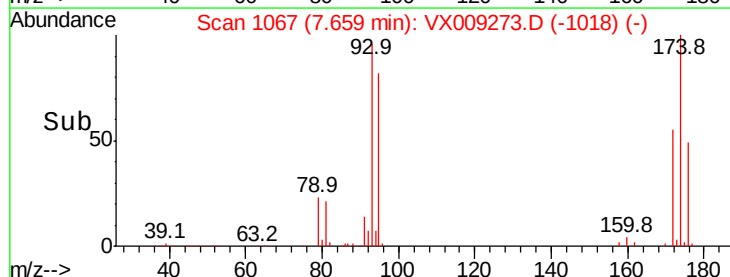
0

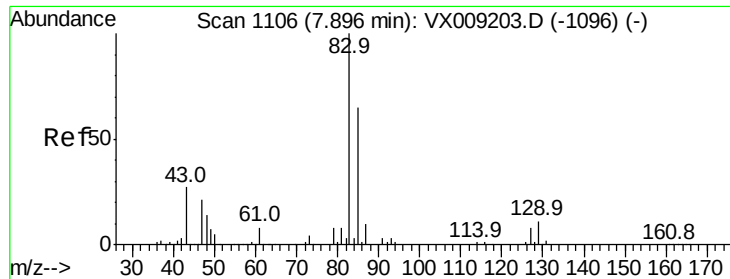
7.60

7.70

7.80

Time-->





#47

Bromodichloromethane

Concen: 48.549 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

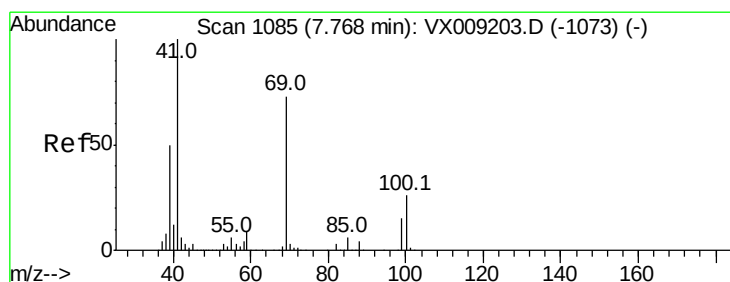
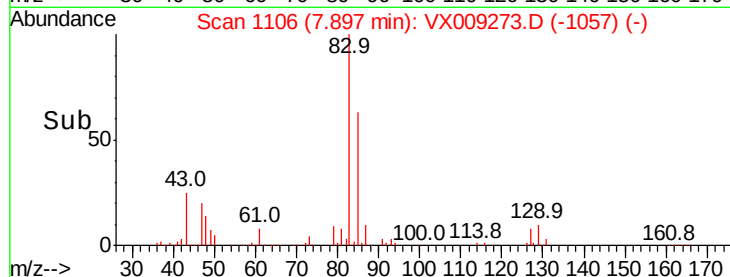
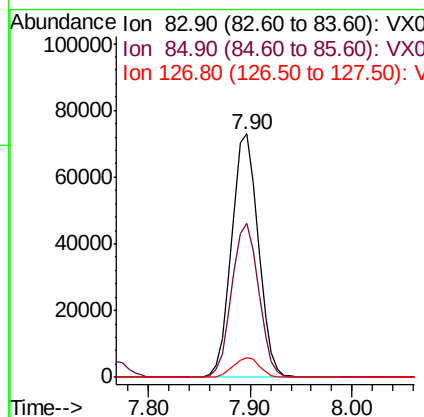
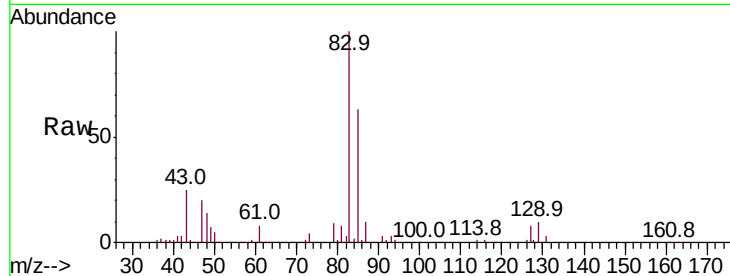
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132012
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.141 ug/l

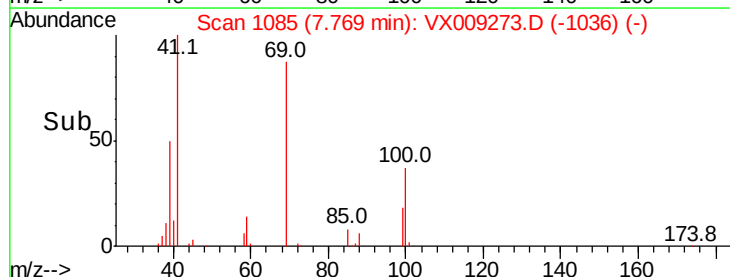
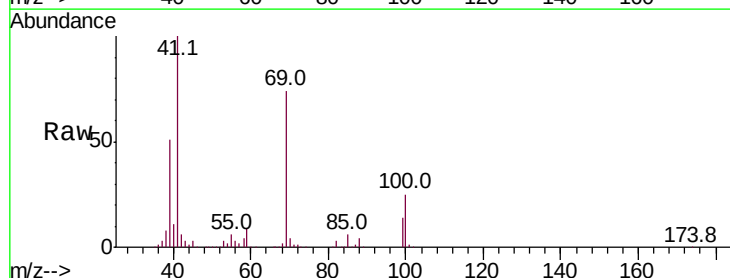
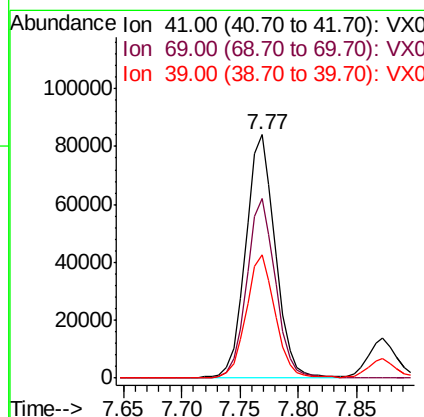
RT: 7.77 min Scan# 1085

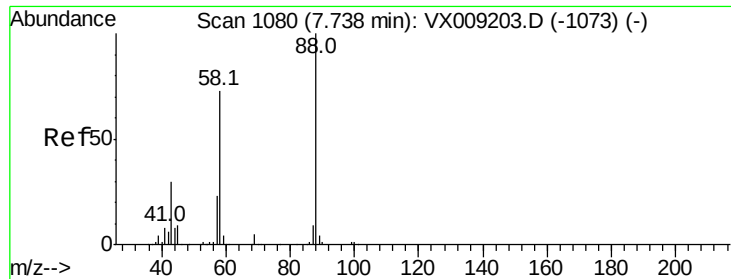
Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	41	Resp:	148507
Ion	Ratio	Lower	Upper
41	100		
69	72.5	59.1	88.7
39	50.3	40.4	60.6





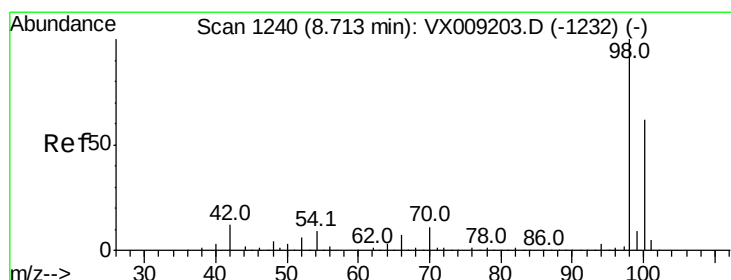
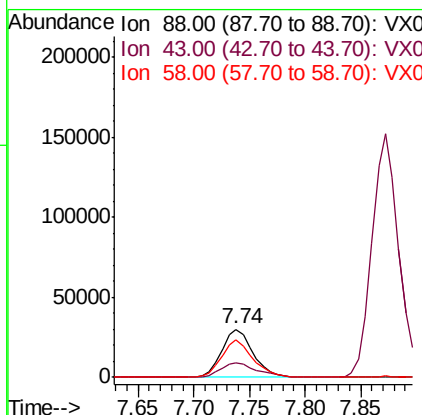
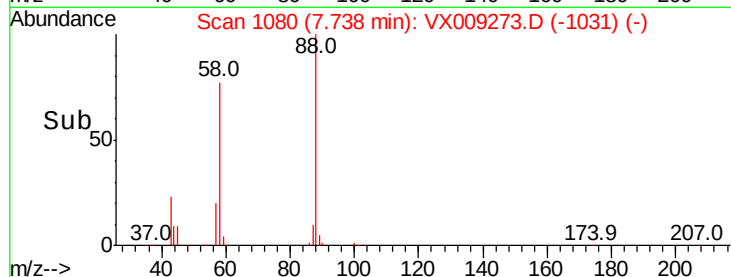
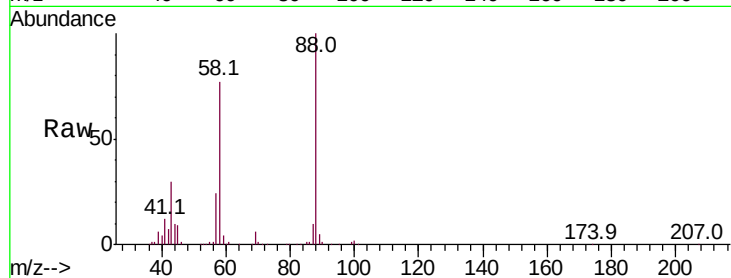
#49
 1,4-Dioxane
 Concen: 972.942 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.6	42.8
58	78.8	61.7	92.5

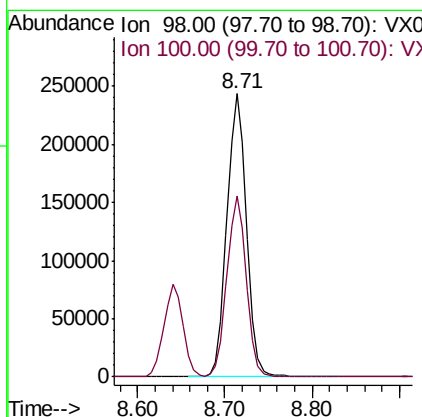
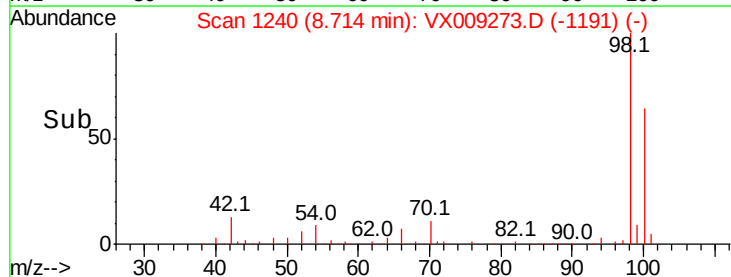
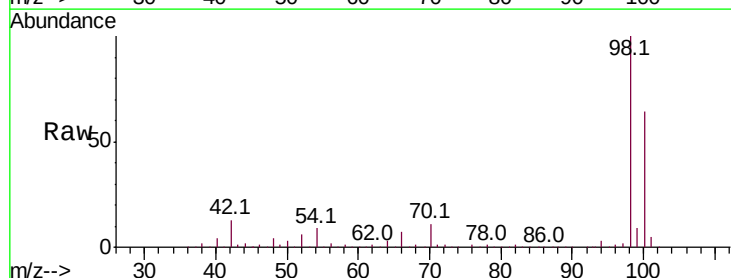
Manual Integrations
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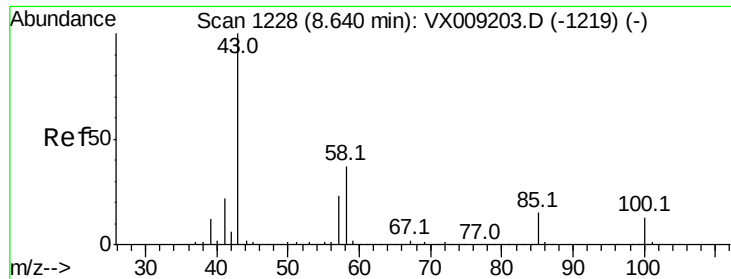
MMDadoda
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#50
 Toluene-d8
 Concen: 51.456 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 248.003 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 967724

Ion Ratio Lower Upper

43 100

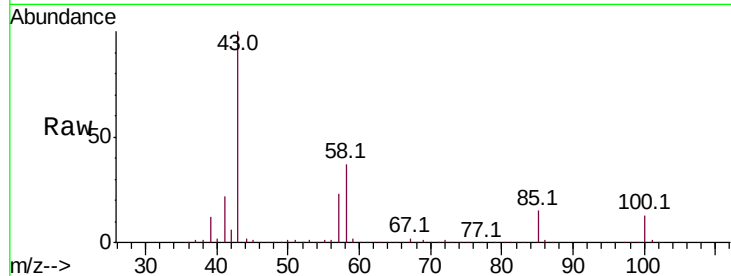
58 37.1 29.5 44.3

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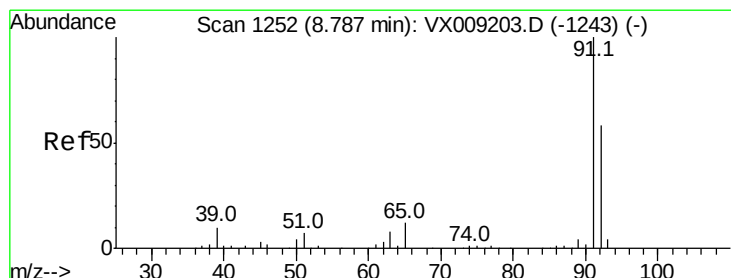
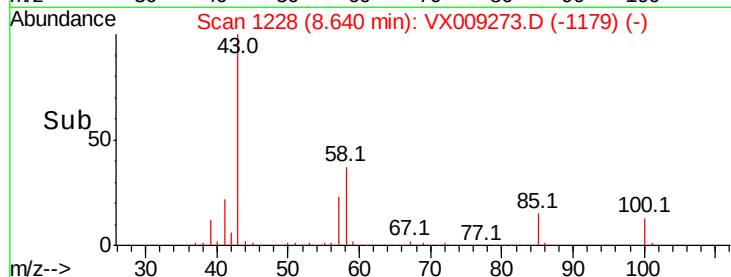
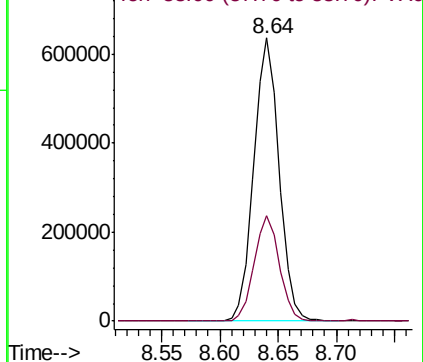
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.363 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009273.D

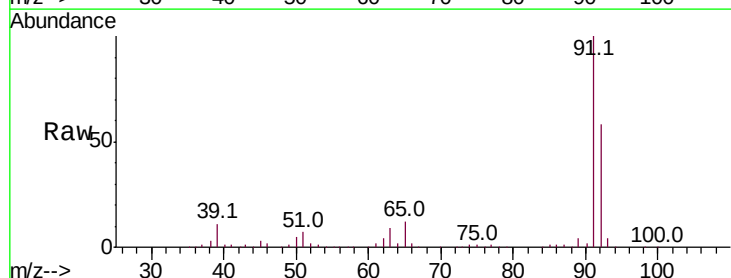
Acq: 02 May 2019 14:48

Tgt Ion: 92 Resp: 243720

Ion Ratio Lower Upper

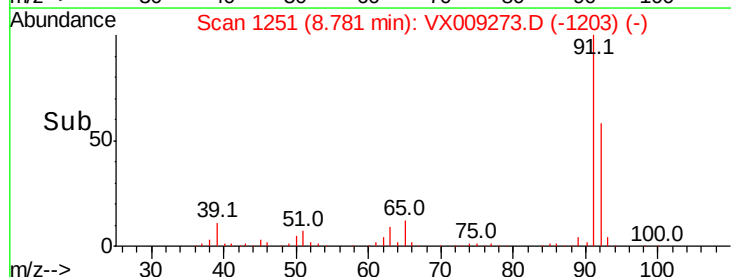
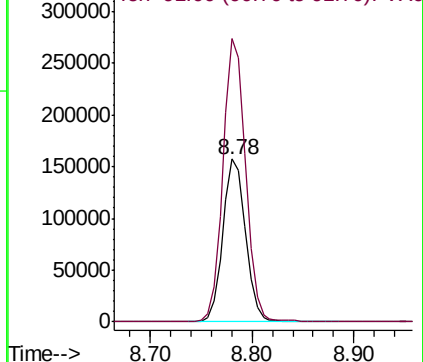
92 100

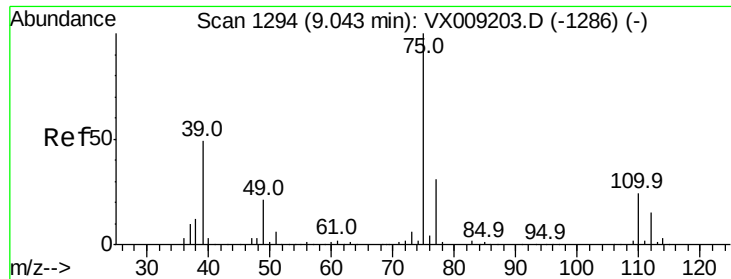
91 173.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





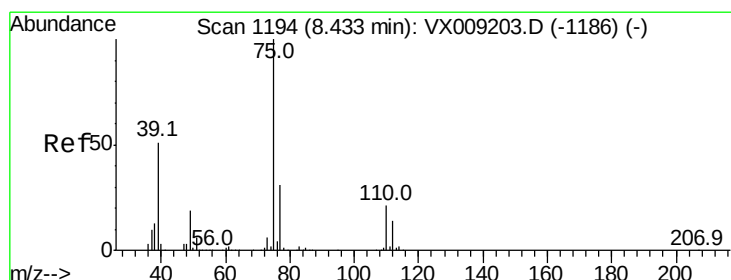
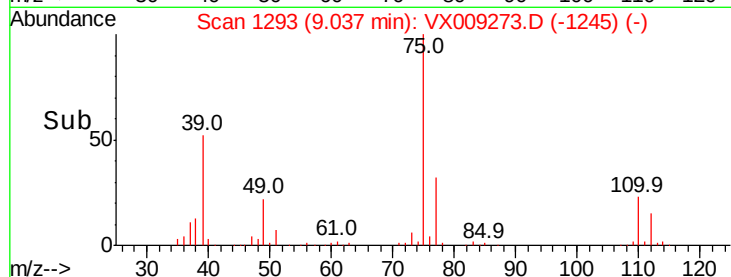
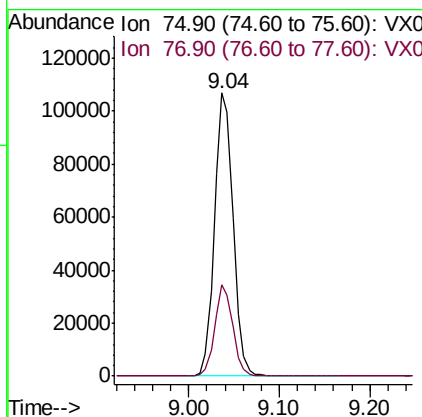
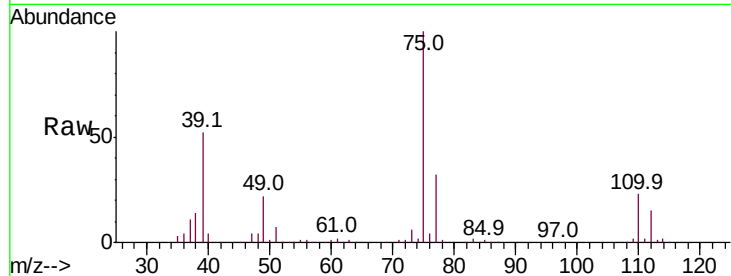
#53
 t-1,3-Dichloropropene
 Concen: 50.221 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 154178
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6

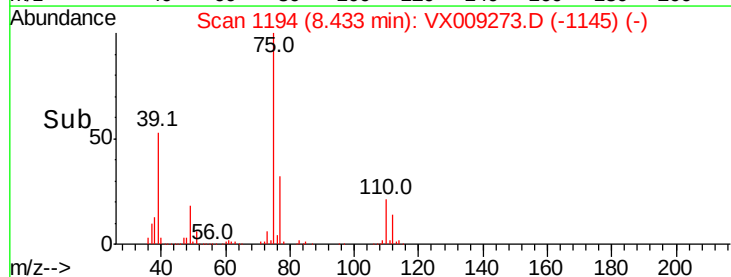
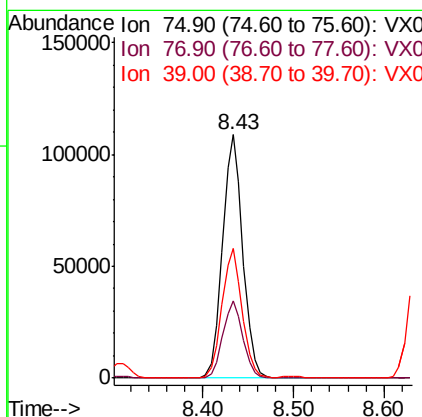
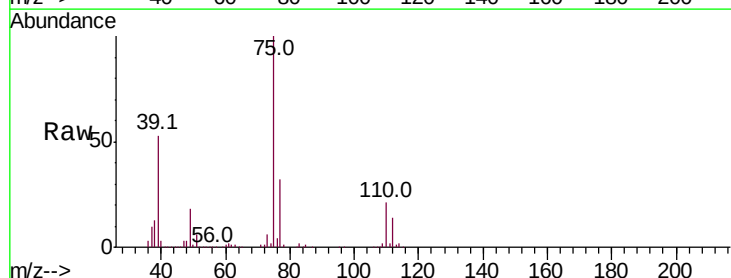
Manual Integrations
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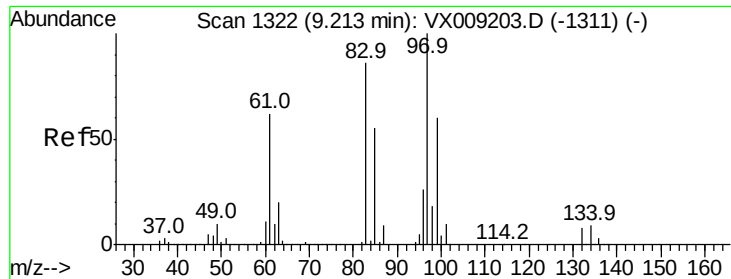
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#54
 cis-1,3-Dichloropropene
 Concen: 50.142 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion: 75 Resp: 170381
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.6 36.8
 39 53.0 40.6 60.8





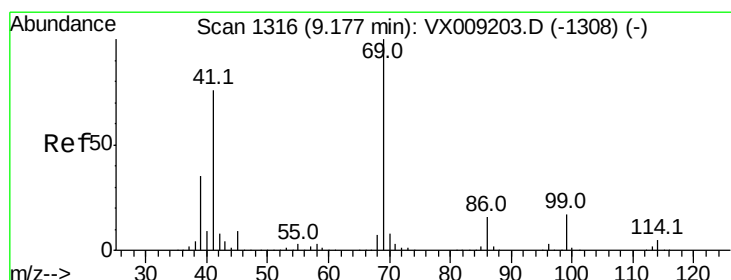
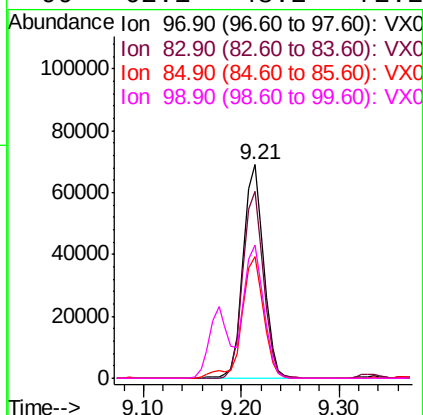
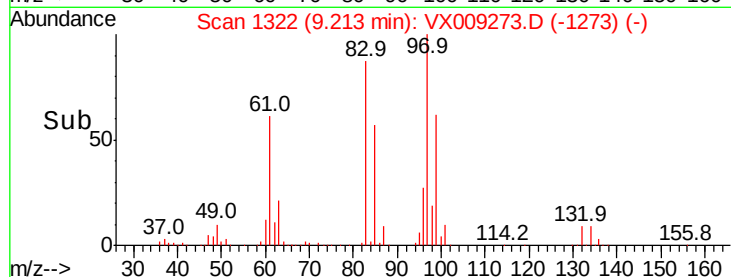
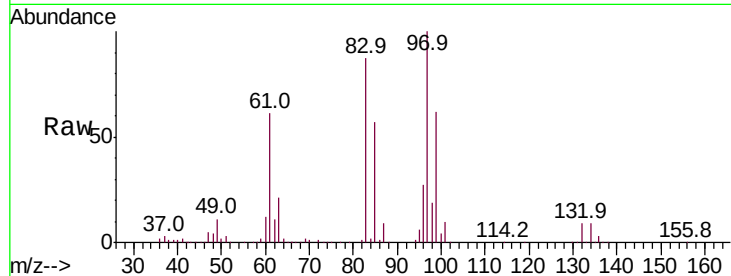
#55
 1,1,2-Trichloroethane
 Concen: 49.045 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	97	Resp	100833
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	57.2	43.8	65.6
99	62.1	48.2	72.2

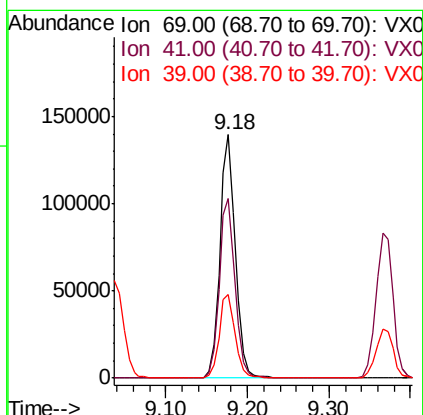
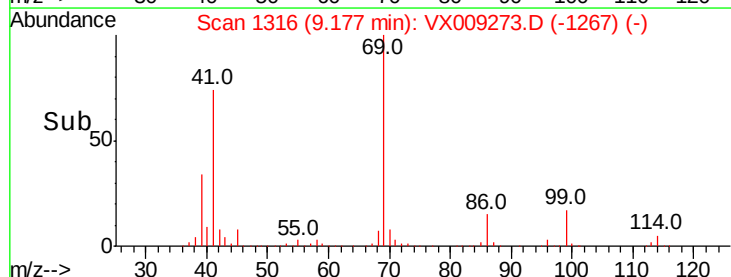
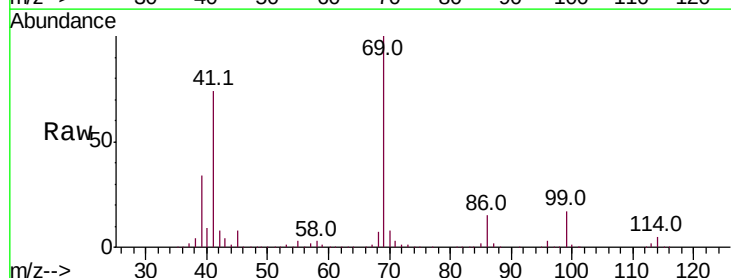
Manual Integrations
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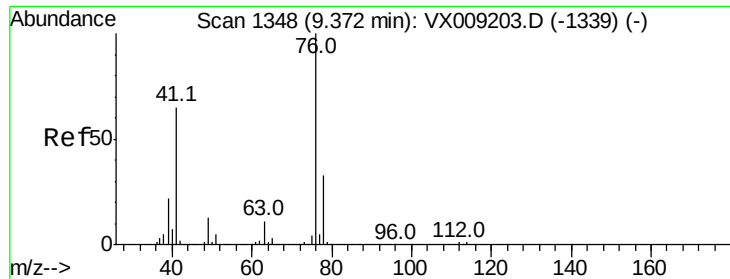
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#56
 Ethyl methacrylate
 Concen: 50.480 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	69	Resp	185258
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.6	90.8
39	35.3	28.2	42.4





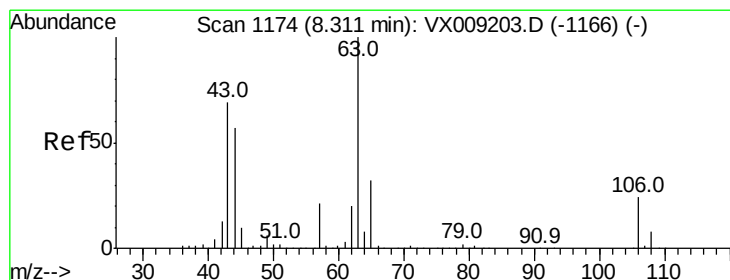
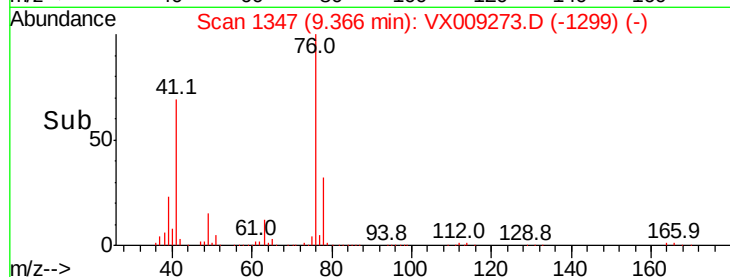
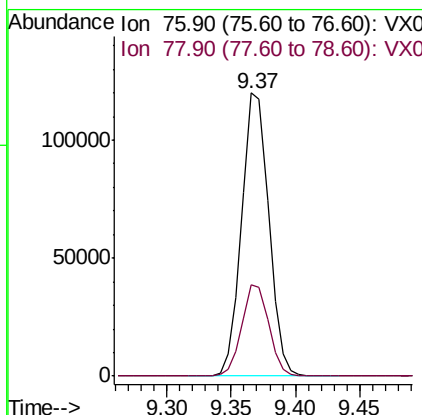
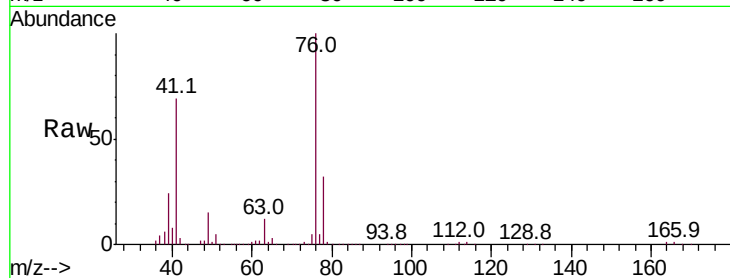
#57
 1,3-Dichloropropane
 Concen: 48.526 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 175561
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

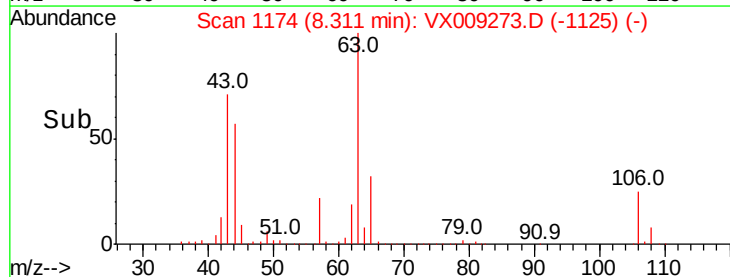
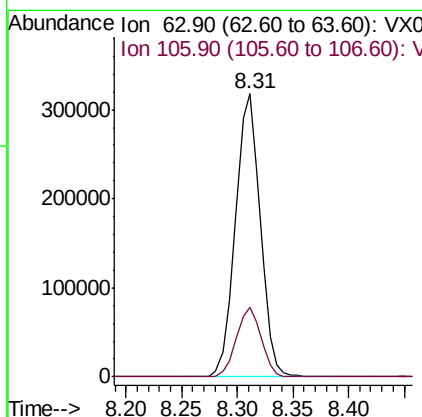
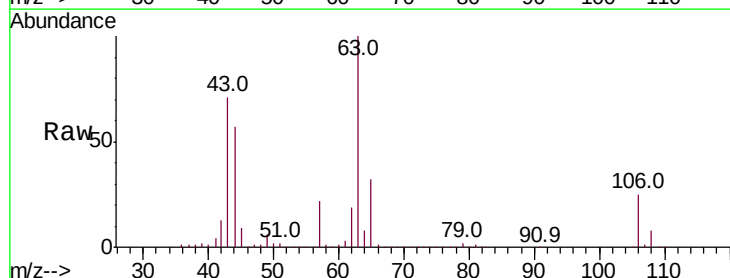
Manual Integrations
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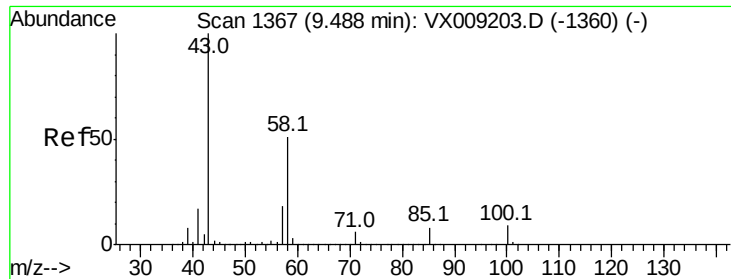
MMDadoda
 5/3/2019 11:19:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.884 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion: 63 Resp: 490389
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5





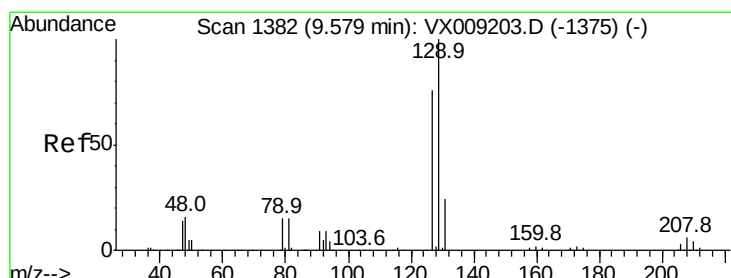
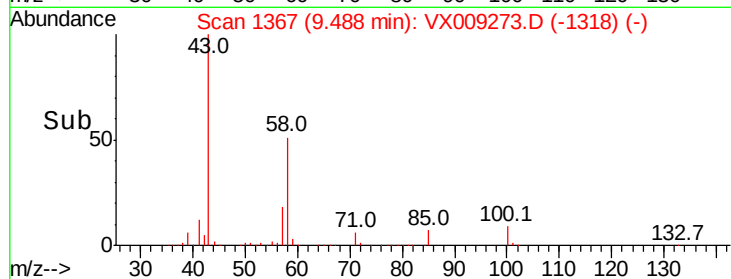
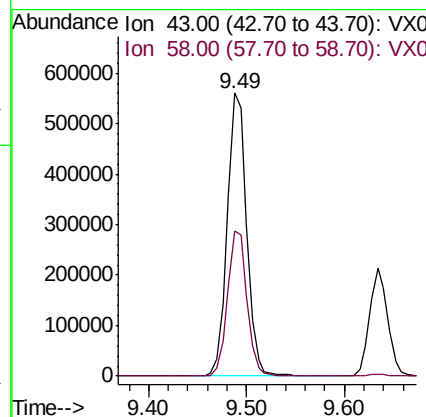
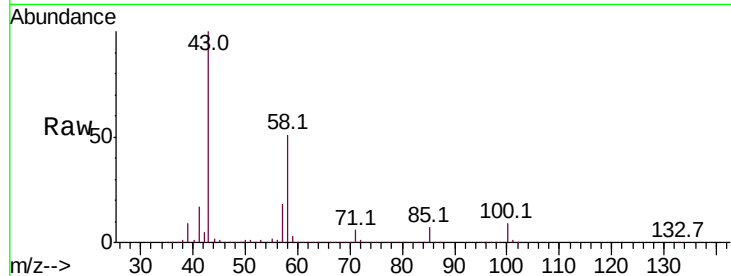
#59
2-Hexanone
Concen: 251.729 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 771457
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

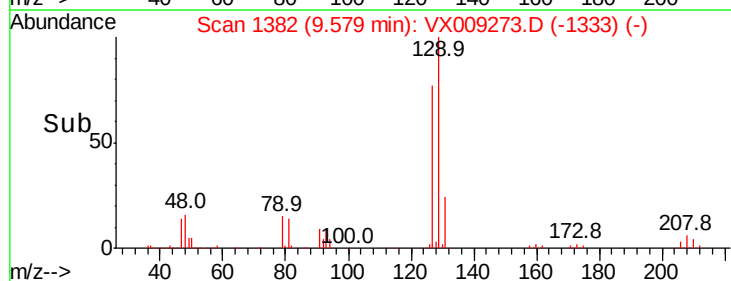
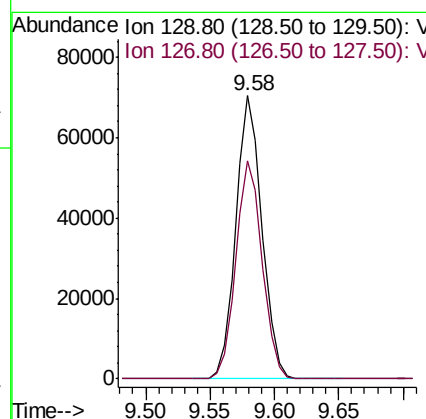
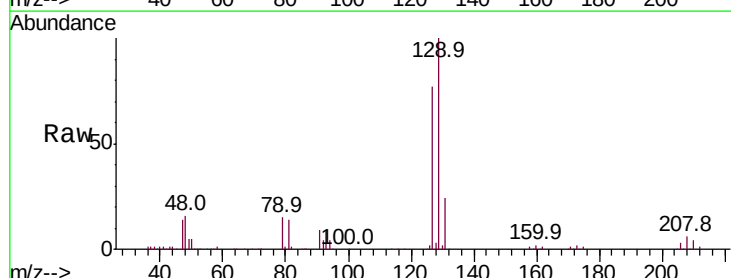
Manual Integrations
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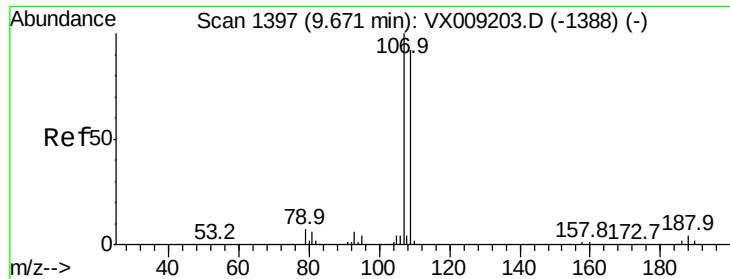
MMDadoda
5/3/2019 11:19:56 AM



#60
Dibromochloromethane
Concen: 49.575 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion: 129 Resp: 99546
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.316 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 102346

Ion Ratio Lower Upper

107 100

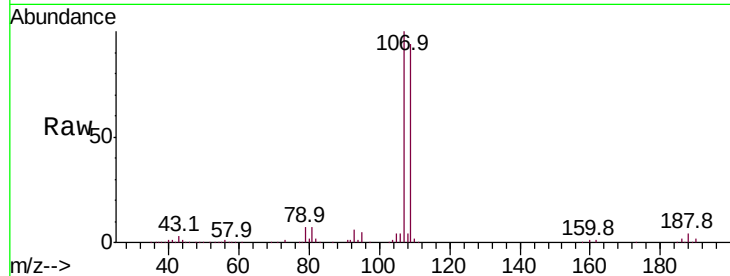
109 94.3 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

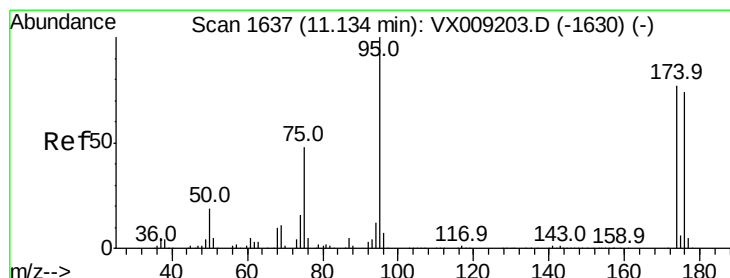
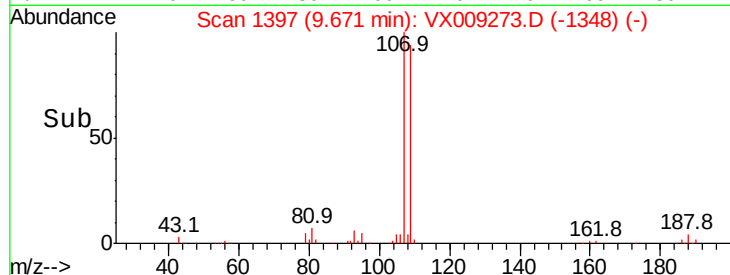
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 52.054 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

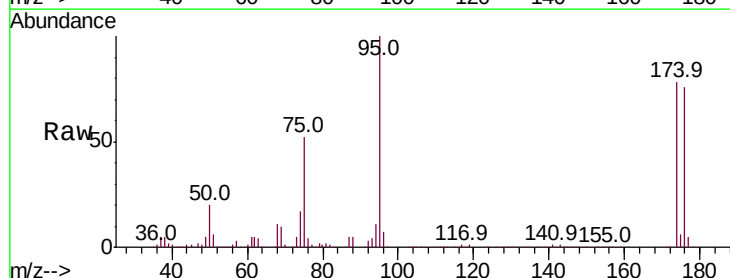
Tgt Ion: 95 Resp: 138372

Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.6

176 79.7 0.0 159.2



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

150000

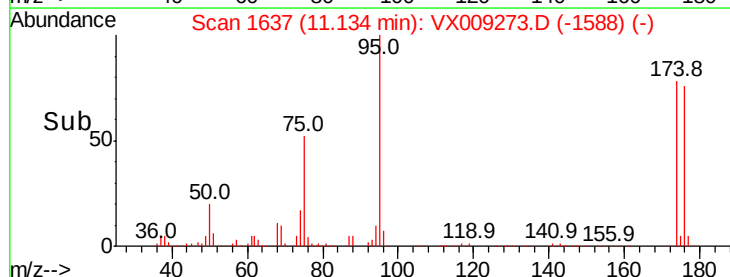
100000

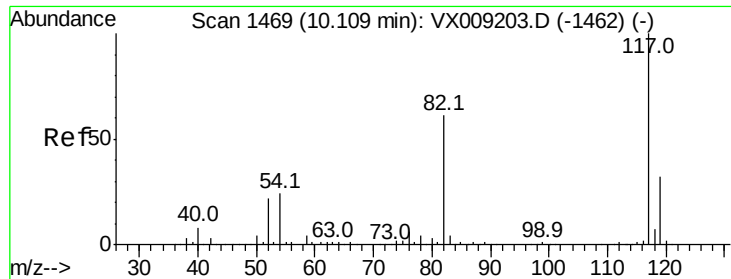
50000

0

11.10 11.13 11.20

Time-->





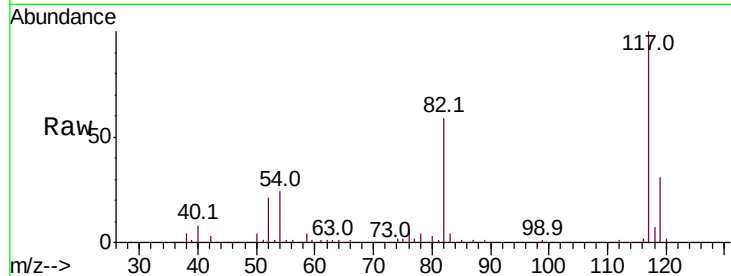
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.8	73.2
119	31.4	25.8	38.6

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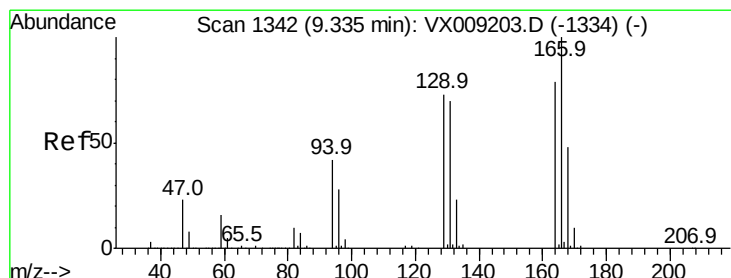
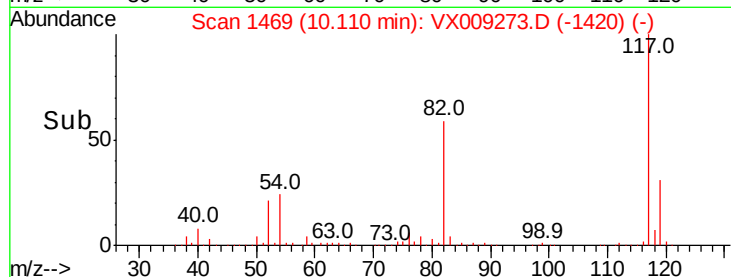
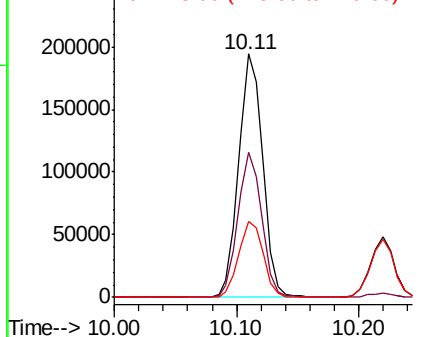


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.184 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.2	151.8
129	91.0	74.3	111.5
131	86.9	71.0	106.6

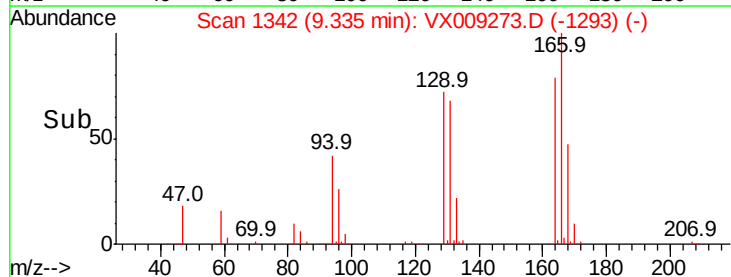
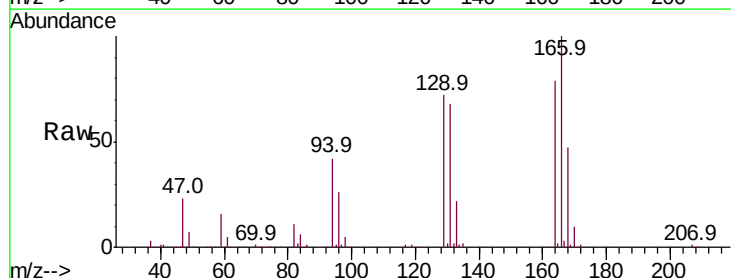
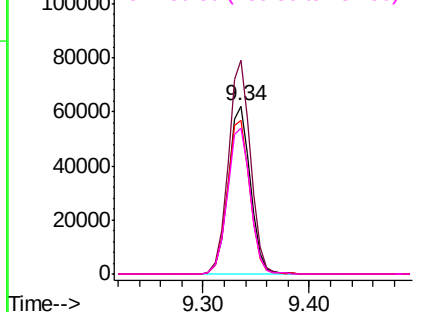
Abundance

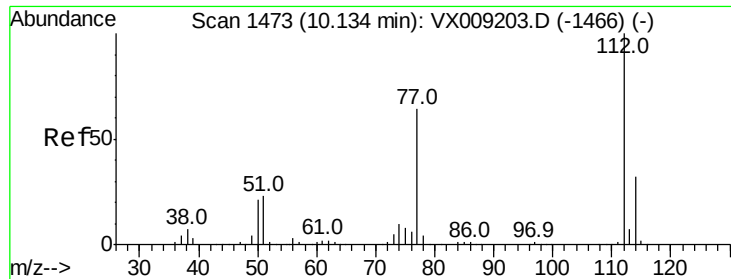
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.362 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 254702

Ion Ratio Lower Upper

112 100

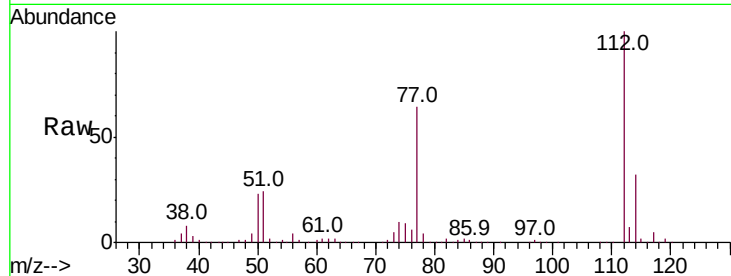
114 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

200000

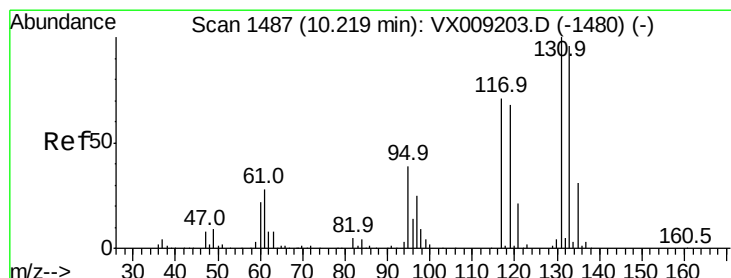
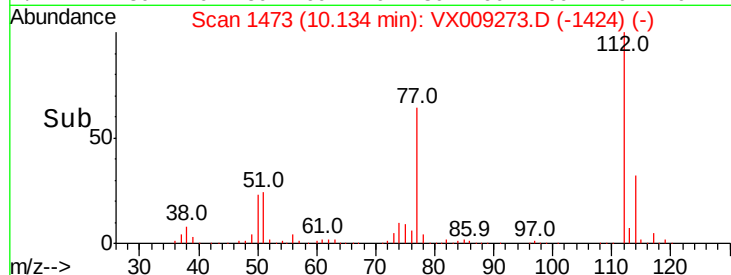
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.291 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

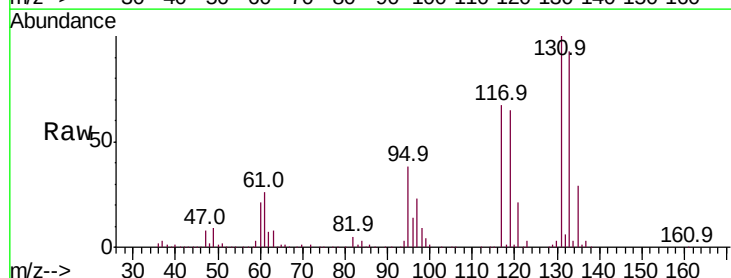
Tgt Ion:131 Resp: 94113

Ion Ratio Lower Upper

131 100

133 93.8 47.7 143.1

119 65.9 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

100000

80000

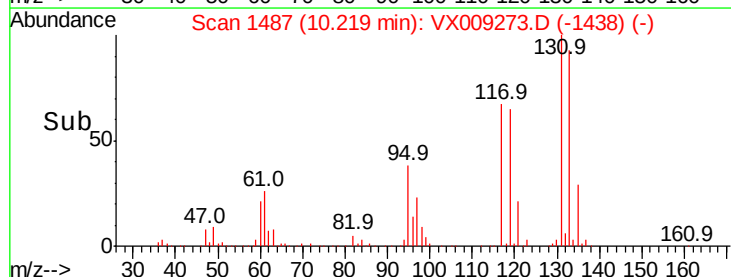
60000

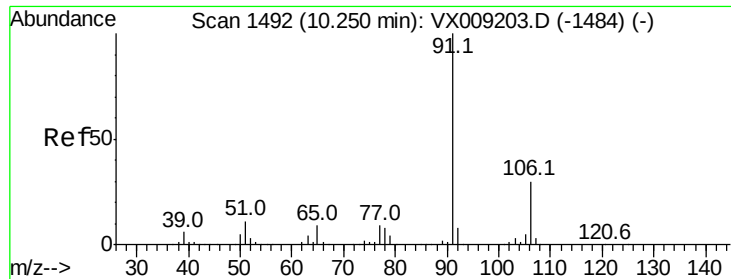
40000

20000

0

Time-->





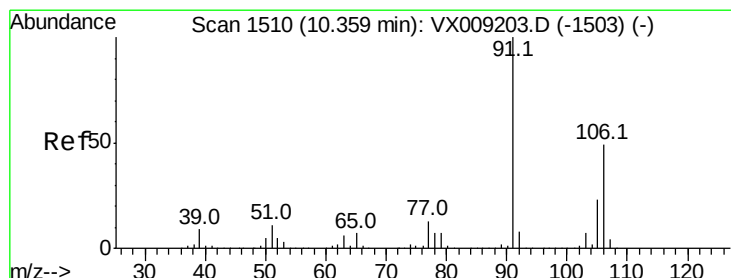
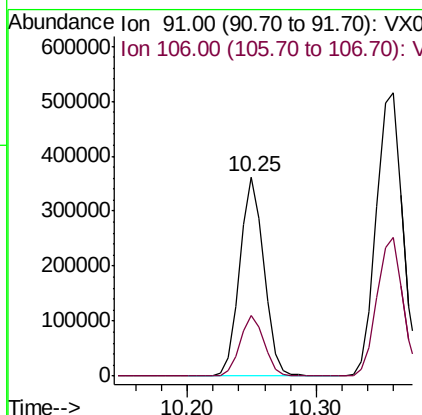
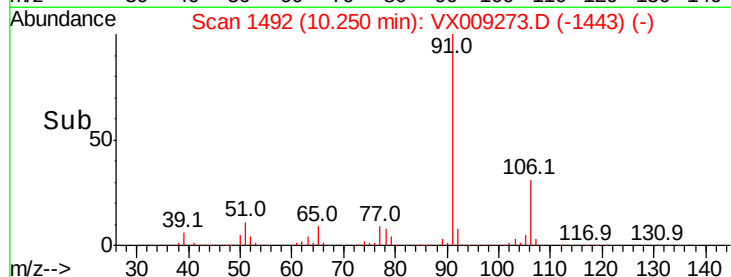
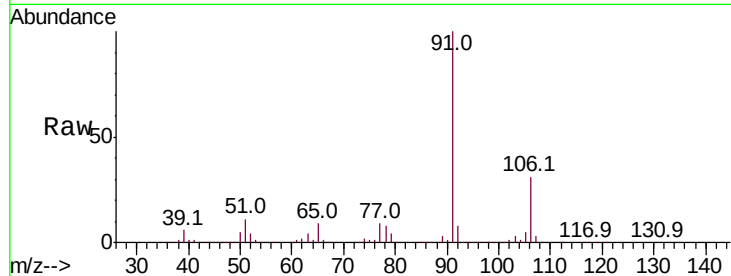
#67
Ethyl Benzene
Concen: 48.555 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 470615
Ion Ratio Lower Upper
91 100
106 30.7 24.0 36.0

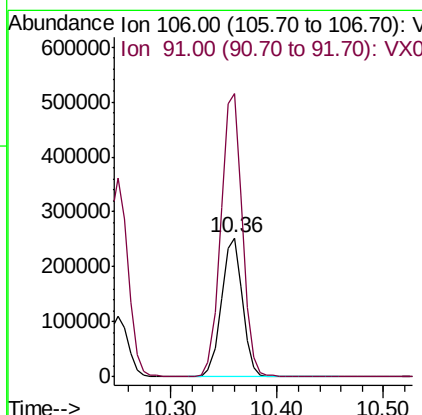
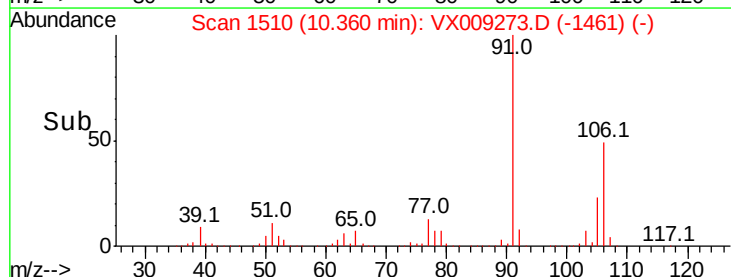
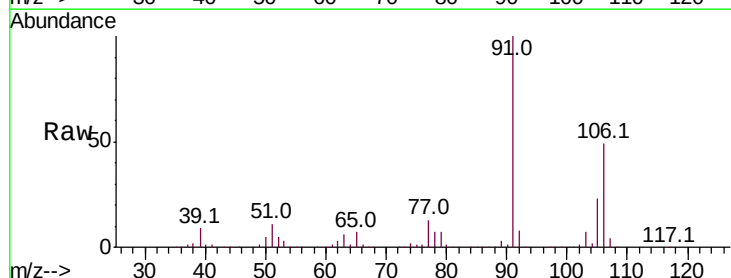
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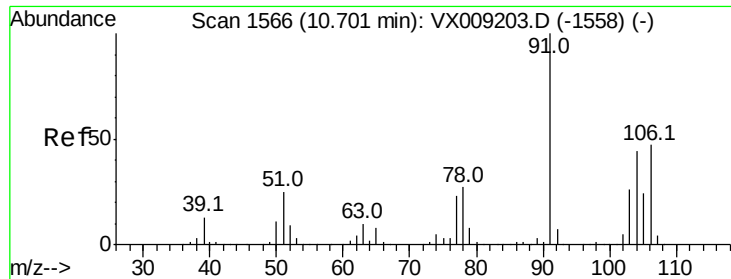
MMDadoda
5/3/2019 11:19:56 AM



#68
m/p-Xylenes
Concen: 98.581 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion: 106 Resp: 349167
Ion Ratio Lower Upper
106 100
91 207.5 164.0 246.0





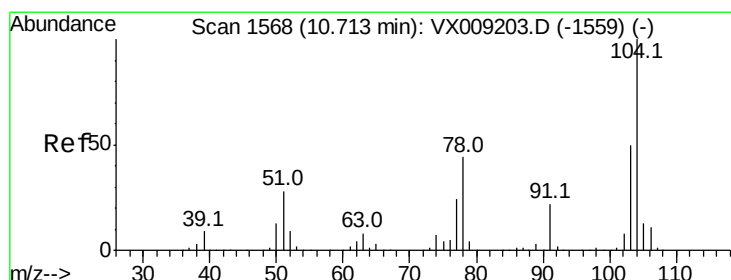
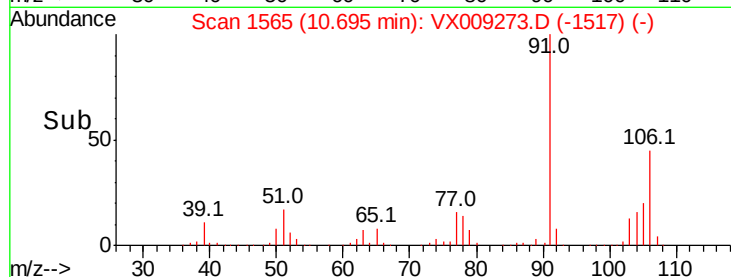
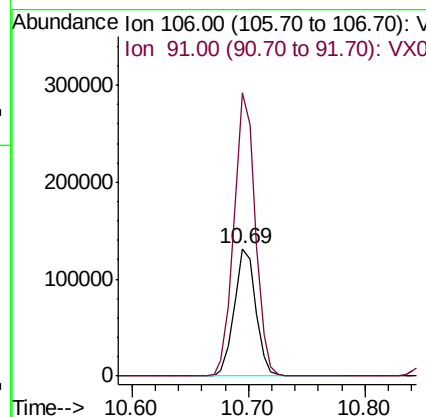
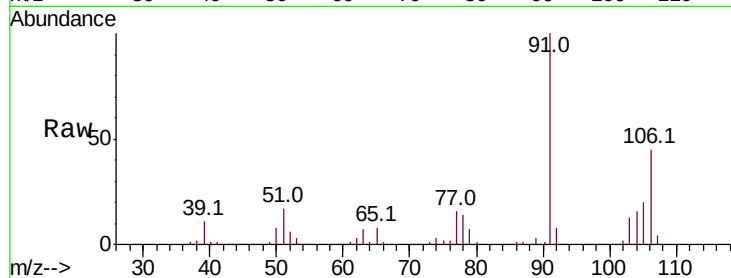
#69
o-Xylene
Concen: 48.606 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 169861
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4

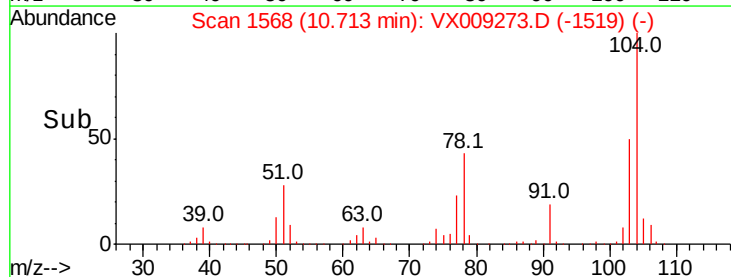
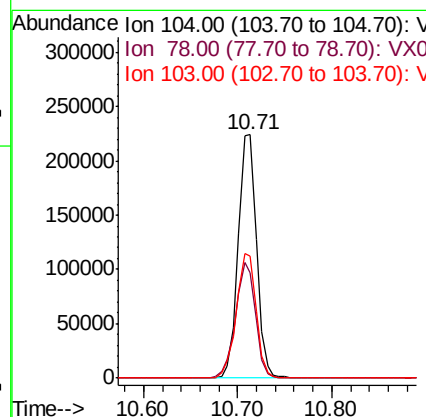
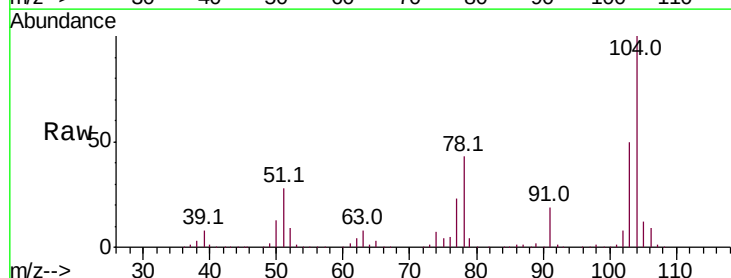
Manual Integrations
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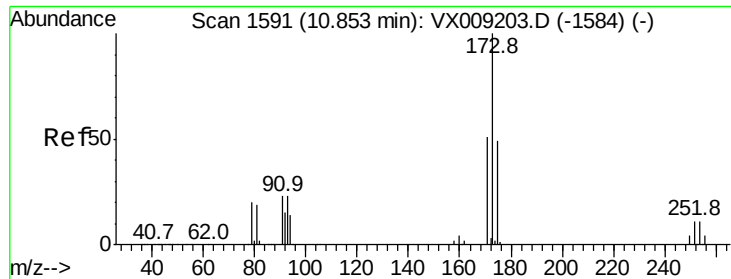
MMDadoda
5/3/2019 11:19:56 AM



#70
Styrene
Concen: 50.061 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion:104 Resp: 304070
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 55.0 43.8 65.6





#71

Bromoform

Concen: 49.492 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76793

Ion Ratio Lower Upper

173 100

175 48.0 24.5 73.5

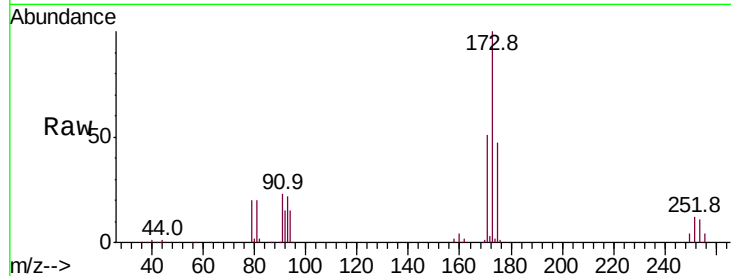
254 0.2 0.1 0.1#

Manual Integrations

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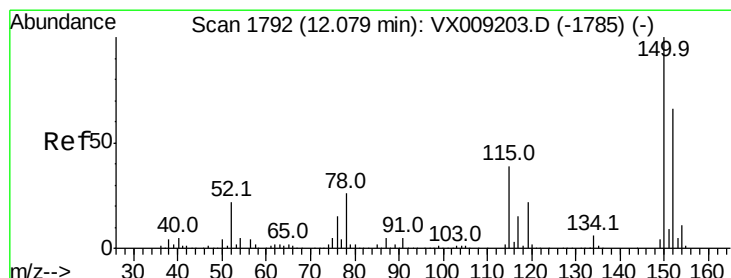
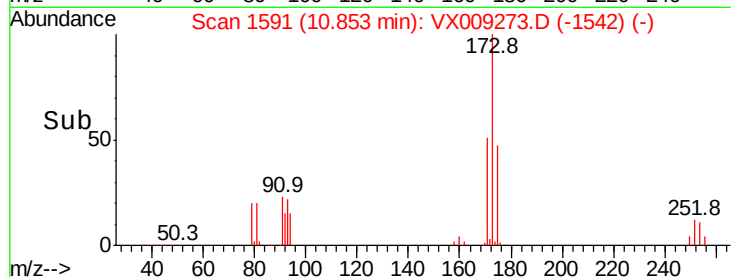
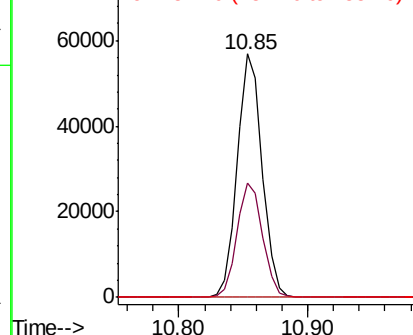
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

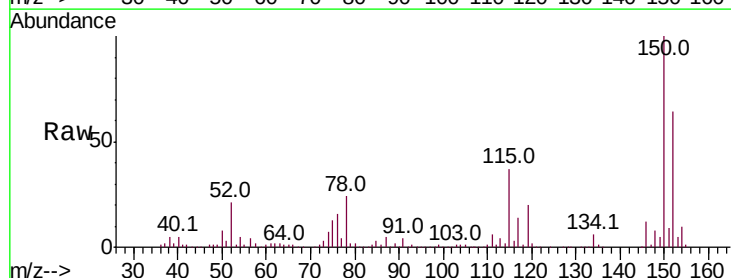
Tgt Ion:152 Resp: 132893

Ion Ratio Lower Upper

152 100

115 81.7 41.2 123.6

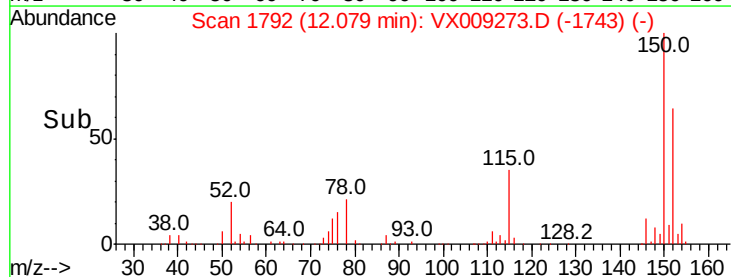
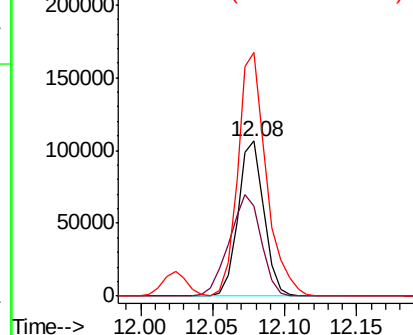
150 172.4 0.0 346.4

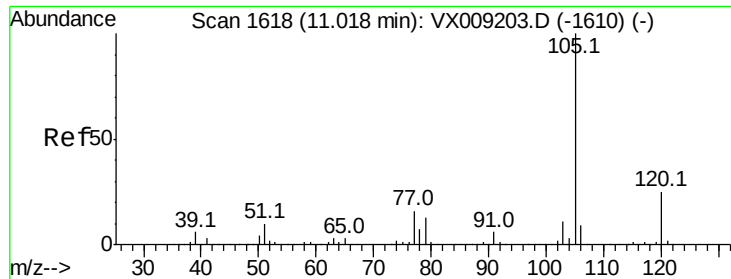


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





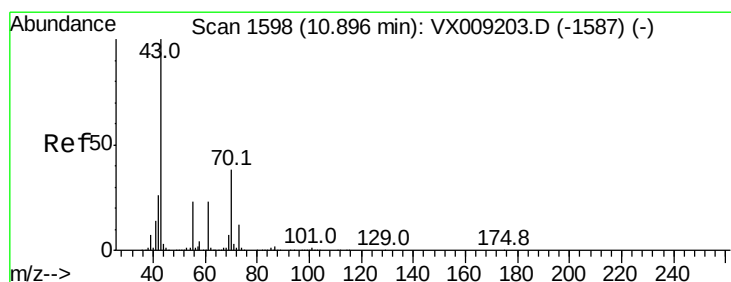
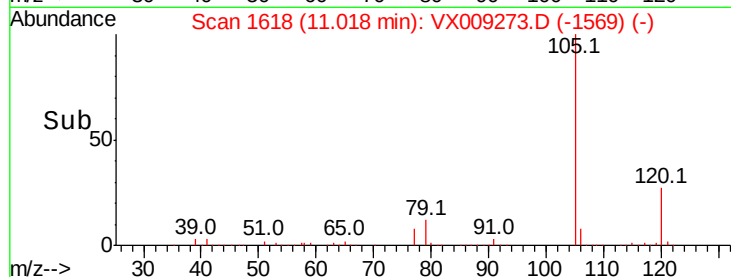
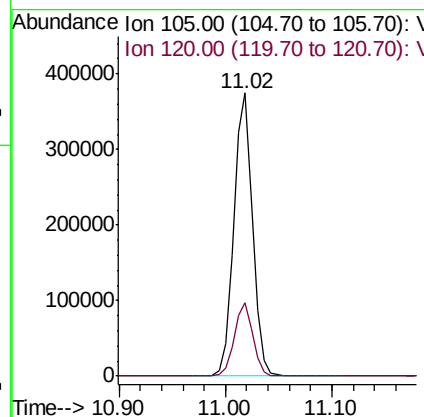
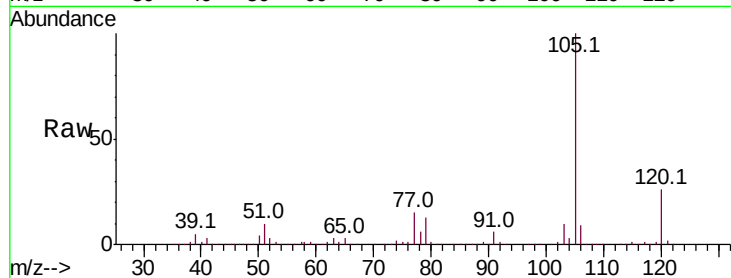
#73
Isopropylbenzene
Concen: 47.688 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 460850
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.3

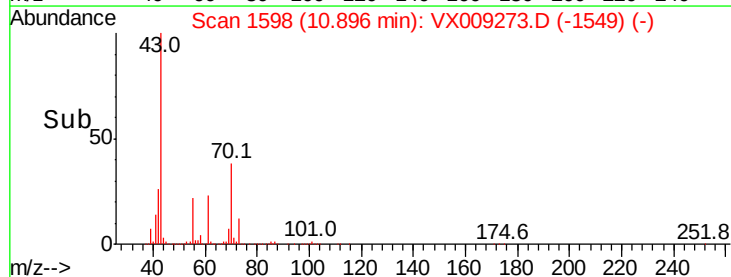
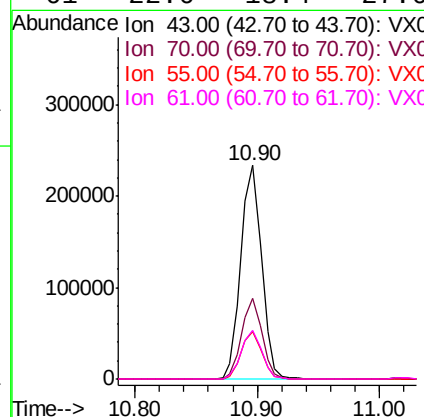
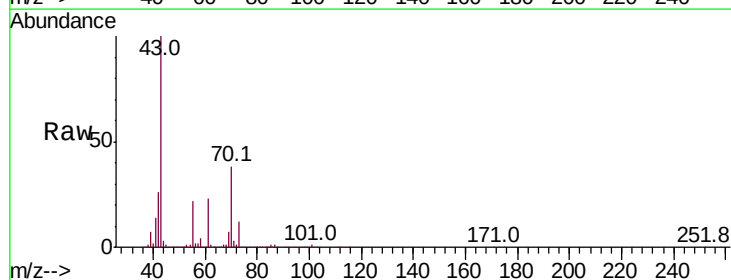
Manual Integrations
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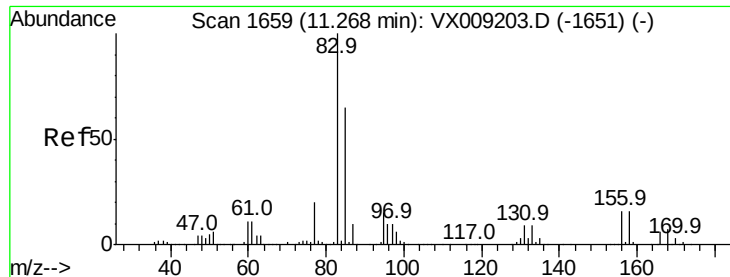
MMDadoda
5/3/2019 11:19:56 AM



#74
N-ethyl acetate
Concen: 48.467 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion: 43 Resp: 273071
Ion Ratio Lower Upper
43 100
70 37.1 30.0 45.0
55 22.4 17.9 26.9
61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.150 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 169859

Ion Ratio Lower Upper

83 100

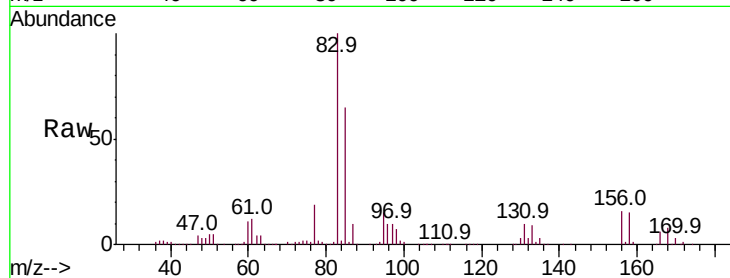
131 9.3 4.6 13.8

85 63.7 32.0 96.2

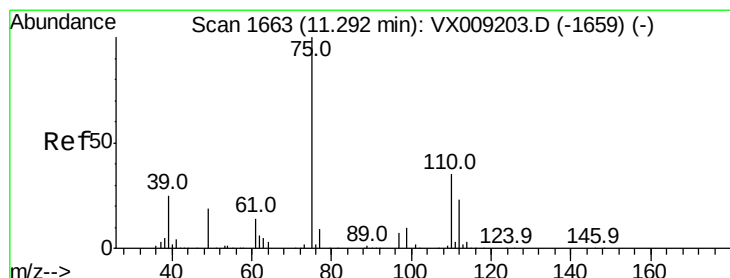
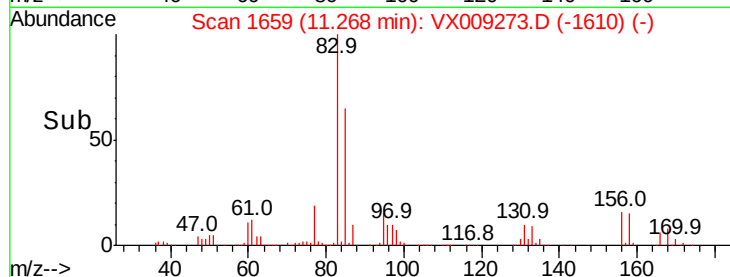
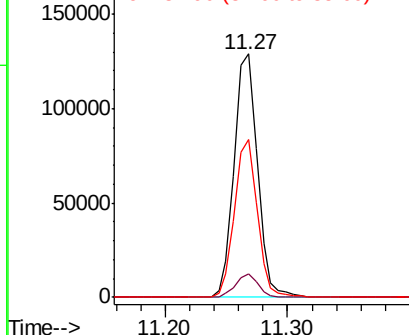
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.206 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009273.D

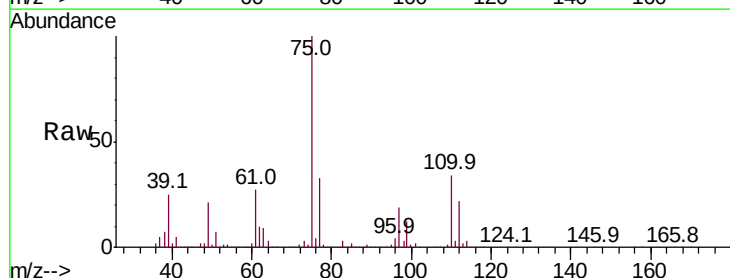
Acq: 02 May 2019 14:48

Tgt Ion: 75 Resp: 148602

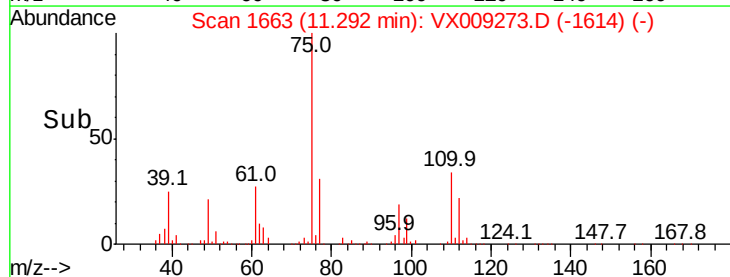
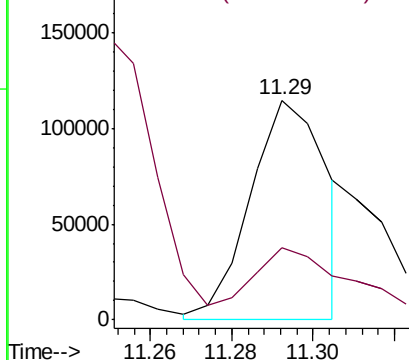
Ion Ratio Lower Upper

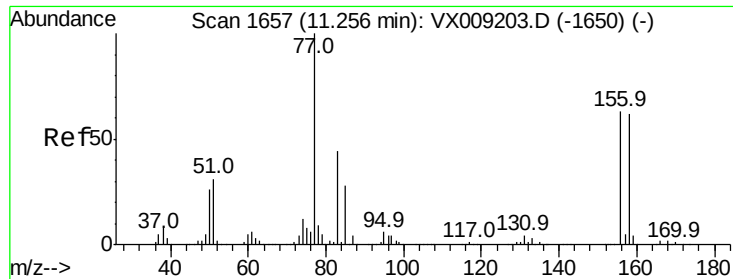
75 100

77 43.5 22.1 66.1



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





#77

Bromobenzene

Concen: 47.012 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

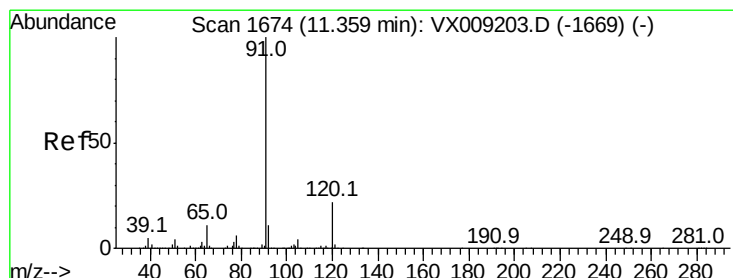
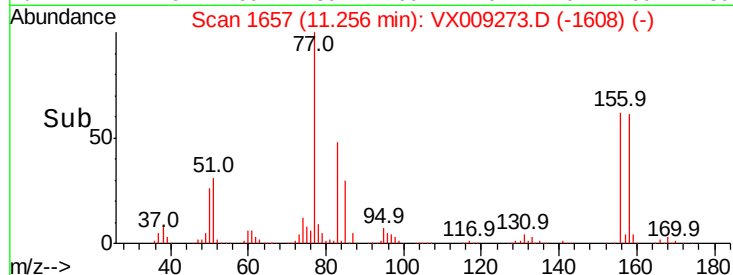
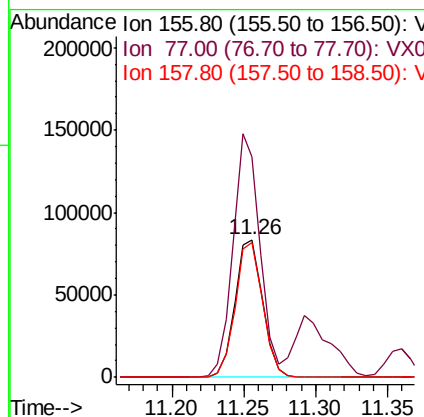
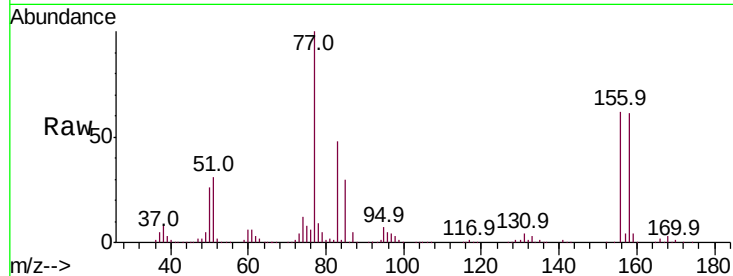
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	112763
Ion Ratio	Lower	Upper	
156	100		
77	171.2	84.8	254.3
158	96.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 48.371 ug/l

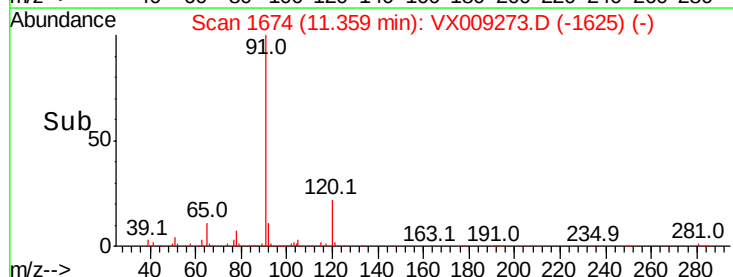
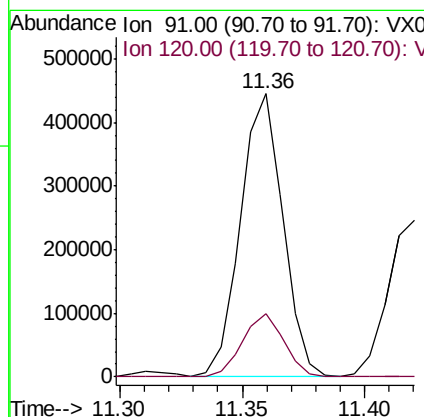
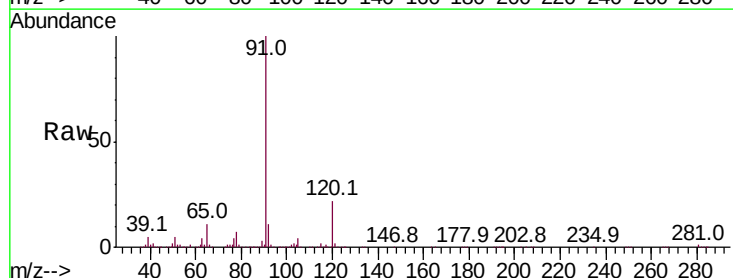
RT: 11.36 min Scan# 1674

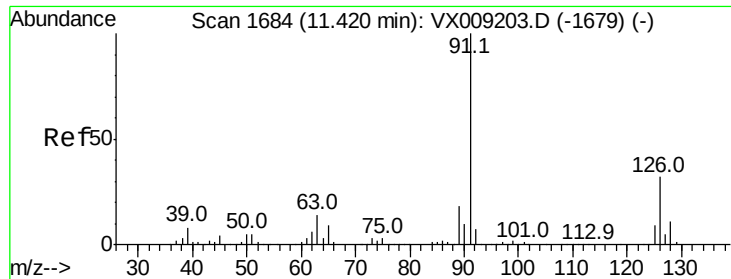
Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	91	Resp:	533846
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 46.192 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 314522

Ion Ratio Lower Upper

91 100

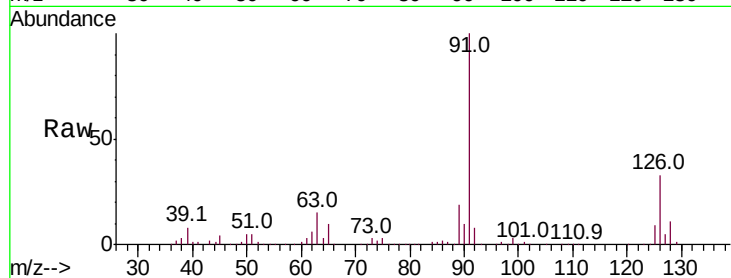
126 32.8 16.3 48.9

Manual Integrations

APPROVED

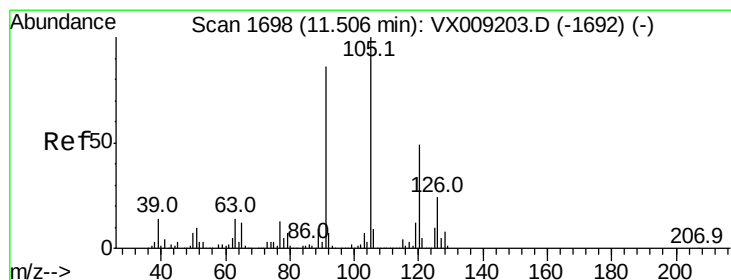
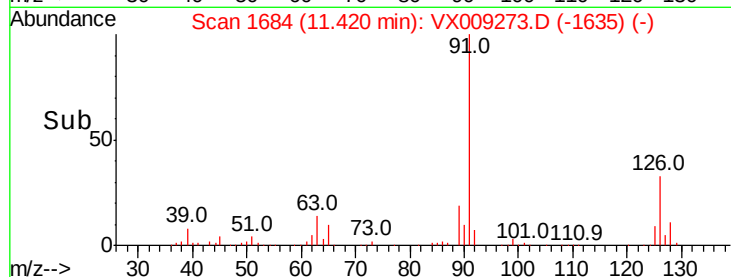
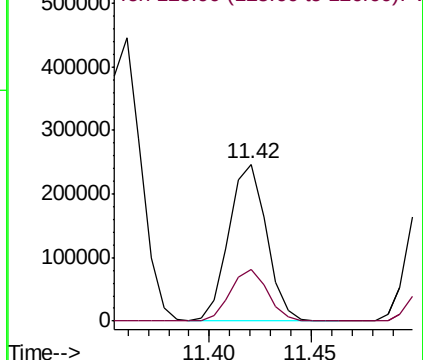
MMDadoda

5/3/2019 11:19:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.179 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009273.D

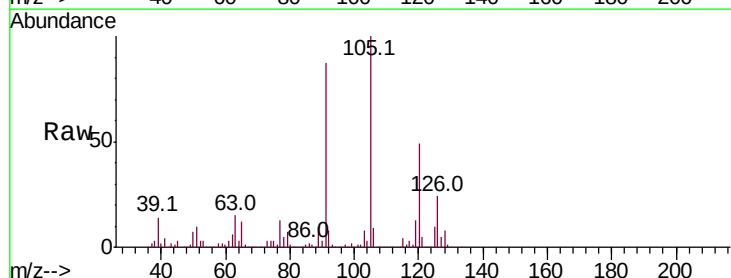
Acq: 02 May 2019 14:48

Tgt Ion: 105 Resp: 392033

Ion Ratio Lower Upper

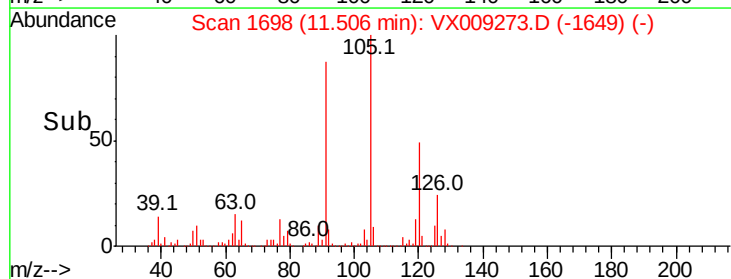
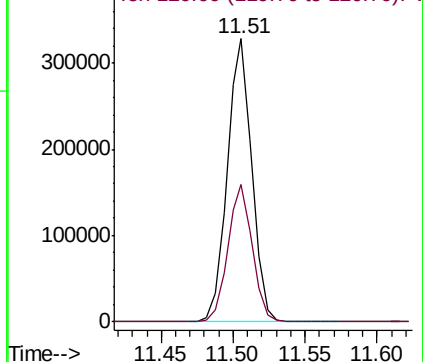
105 100

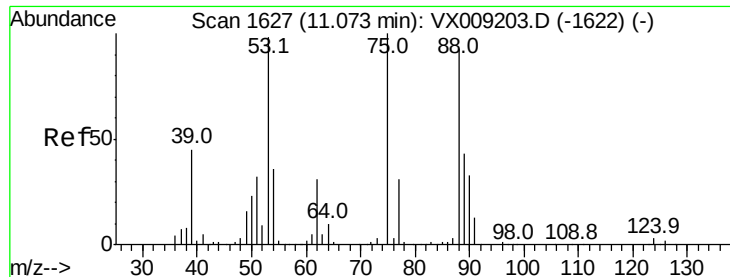
120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





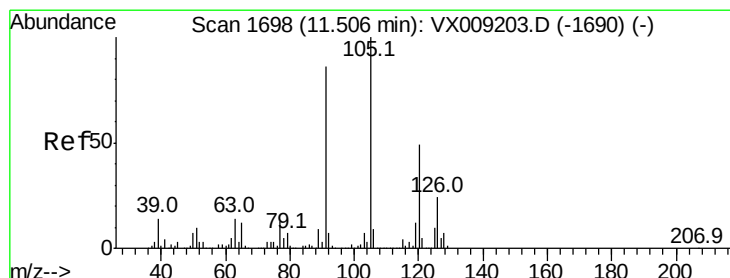
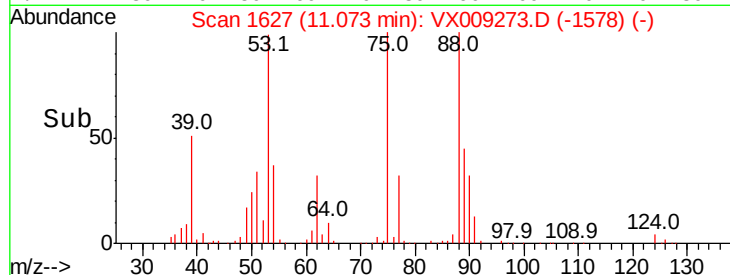
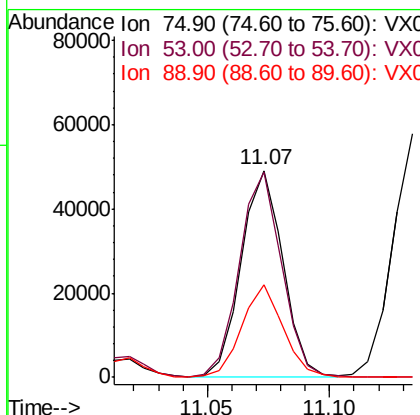
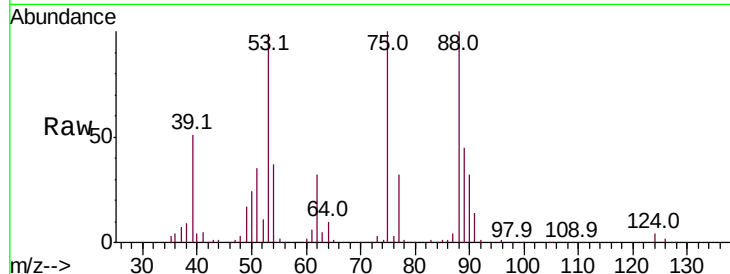
#81
trans-1,4-Dichloro-2-butene
Concen: 48.236 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.3	79.0	118.6
89	44.6	34.7	52.1

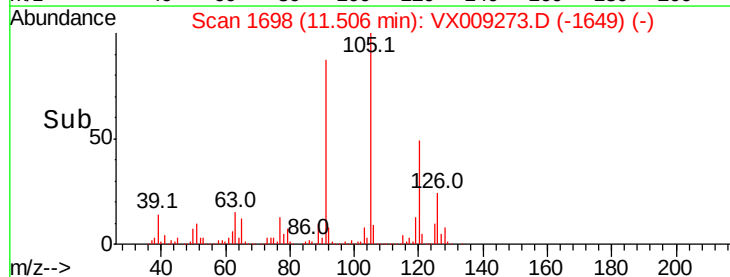
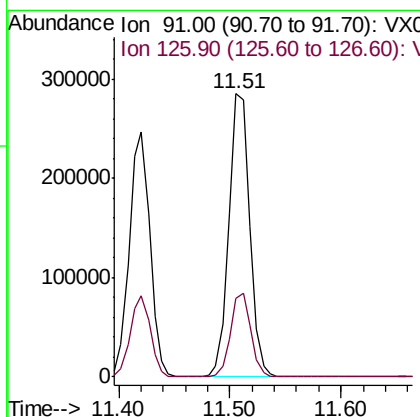
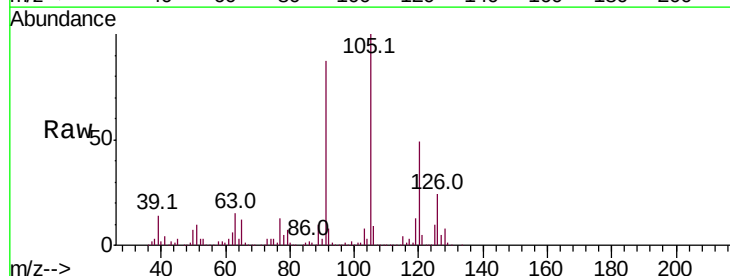
Manual Integrations
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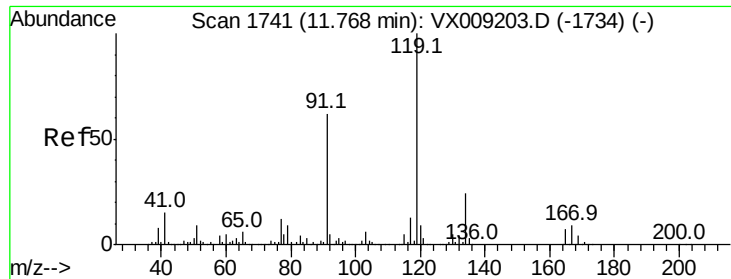
MMDadoda
5/3/2019 11:19:56 AM



#82
4-Chlorotoluene
Concen: 47.876 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009273.D
Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





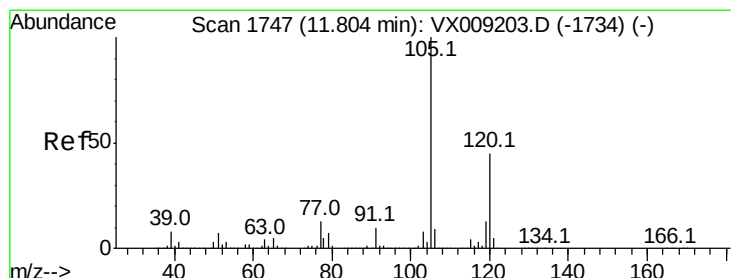
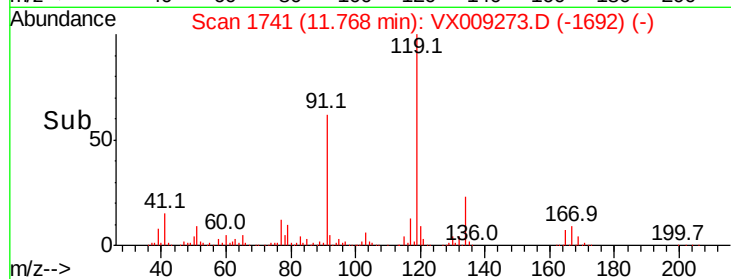
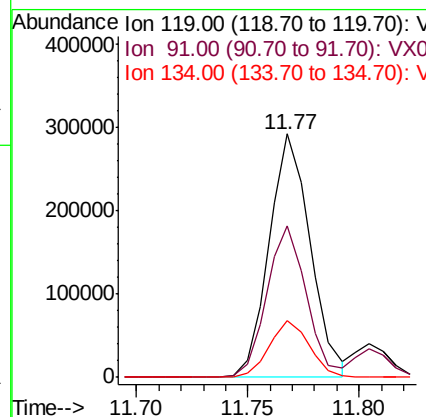
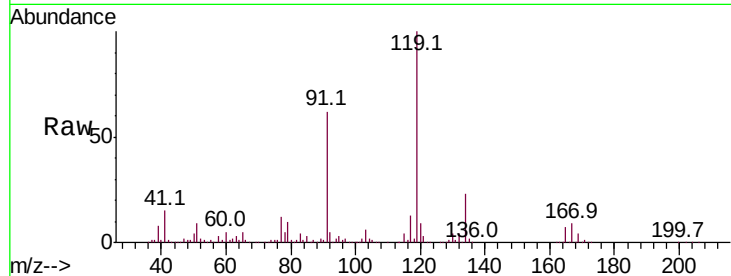
#83
 tert-Butylbenzene
 Concen: 47.432 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	60.0	29.5	88.5	
134	22.6	11.4	34.1	

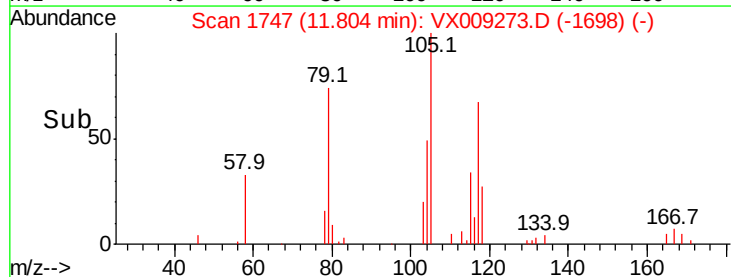
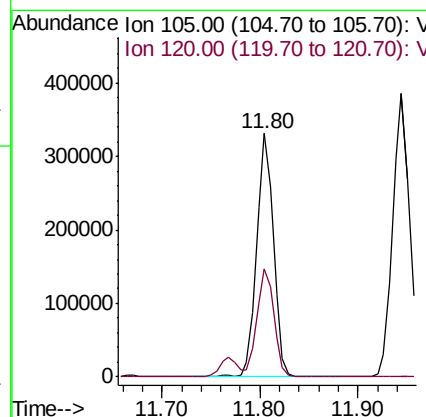
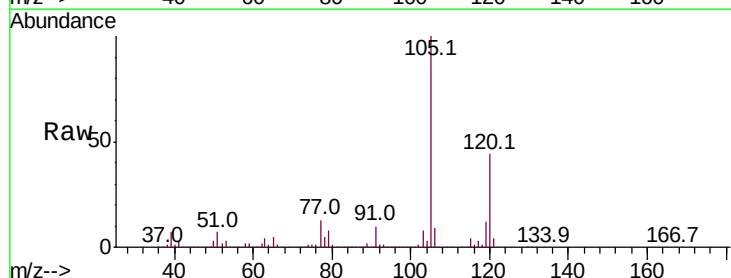
Manual Integrations
 APPROVED

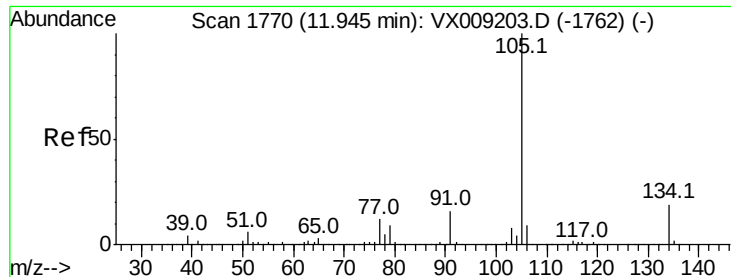
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.468 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	44.9	22.0	66.0	





#85

sec-Butylbenzene

Concen: 48.912 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 459020

Ion Ratio Lower Upper

105 100

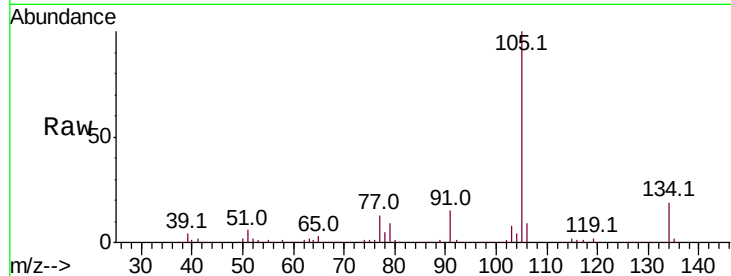
134 19.1 9.7 28.9

Manual Integrations

APPROVED

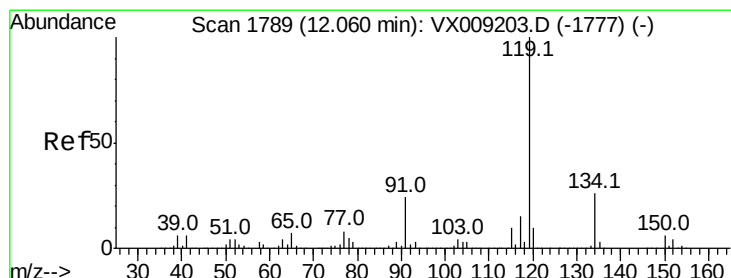
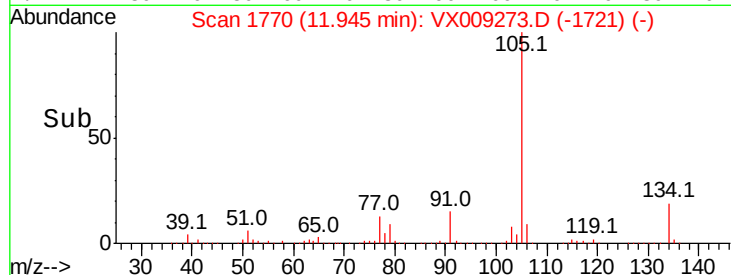
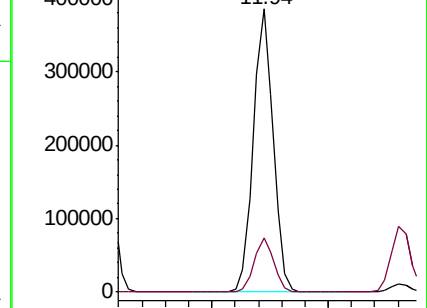
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.839 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

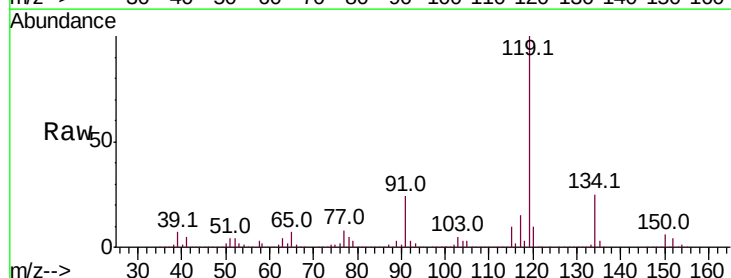
Tgt Ion:119 Resp: 420476

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

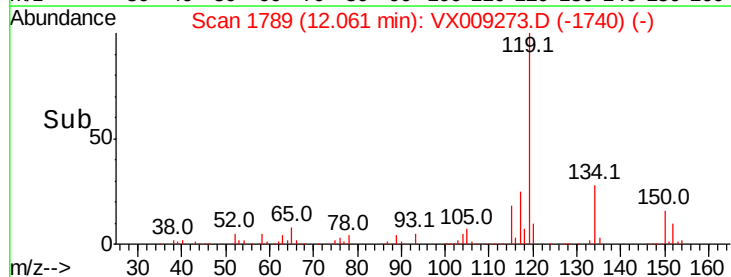
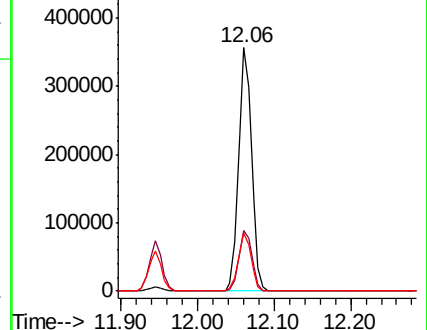
91 23.5 11.8 35.4

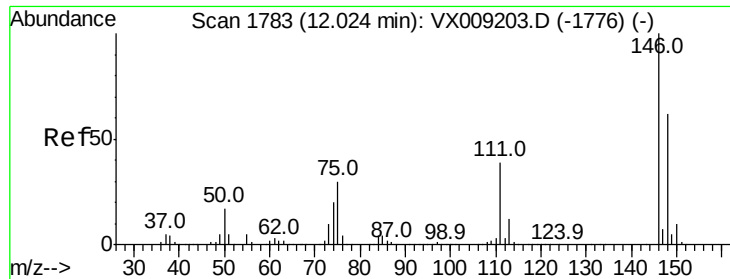


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





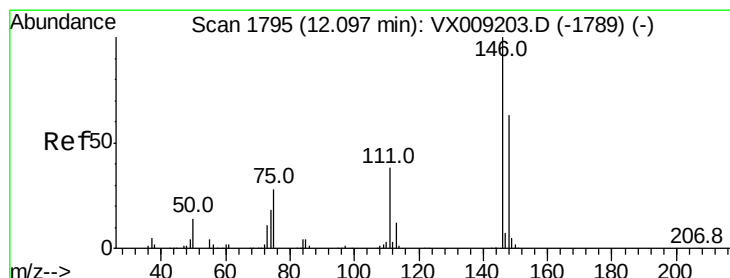
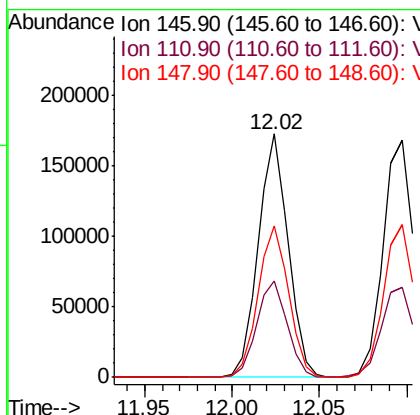
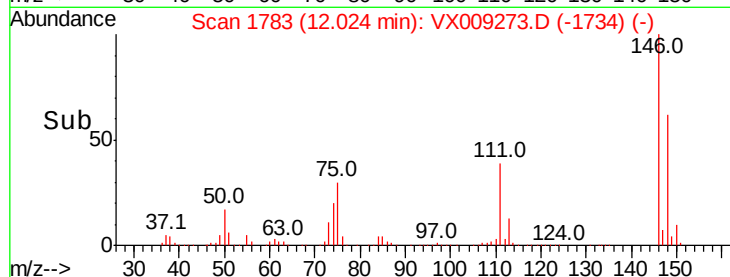
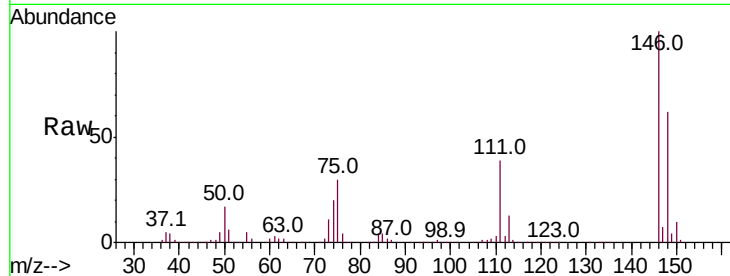
#87
 1,3-Dichlorobenzene
 Concen: 48.014 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	63.7	31.8	95.3

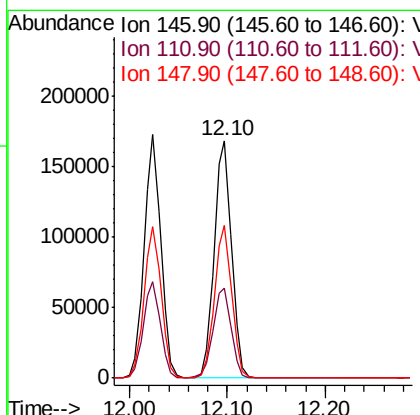
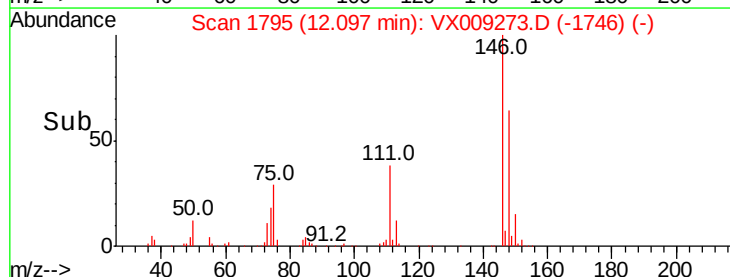
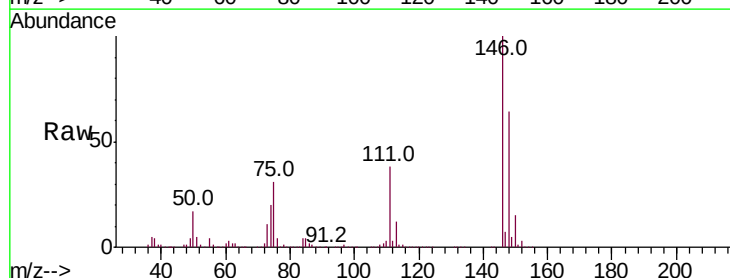
Manual Integrations
 APPROVED

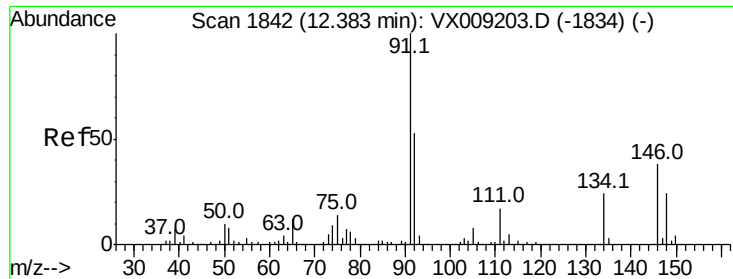
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.127 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.8
148	63.6	31.8	95.3





#89

n-Butylbenzene

Concen: 50.877 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

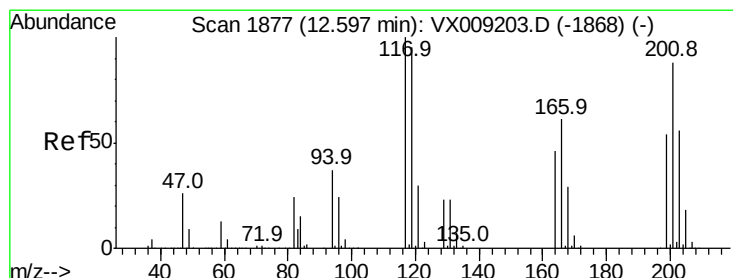
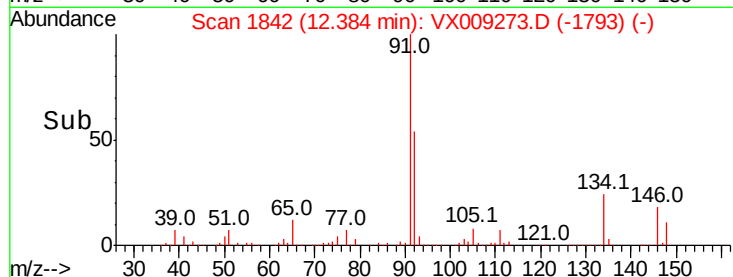
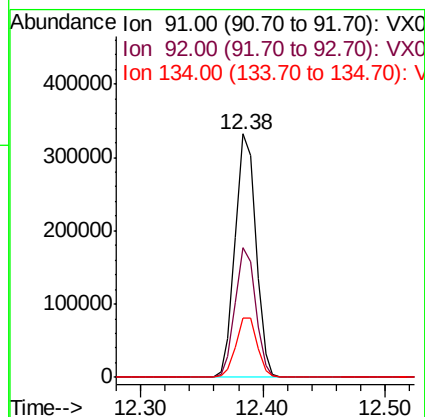
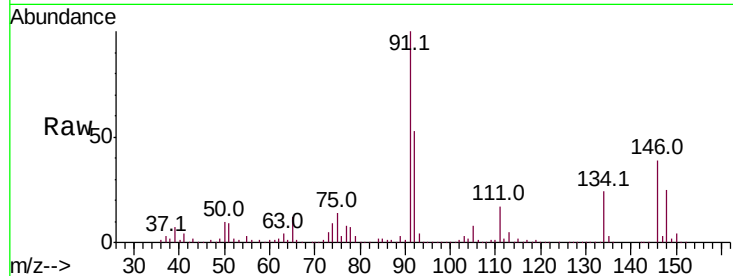
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	387952
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.5	79.5
134	25.2	12.4	37.2

Manual Integrations
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#90

Hexachloroethane

Concen: 48.107 ug/l

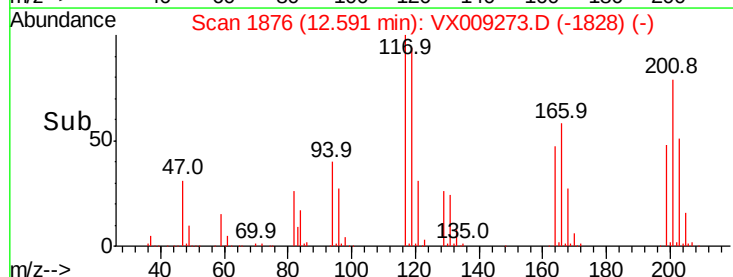
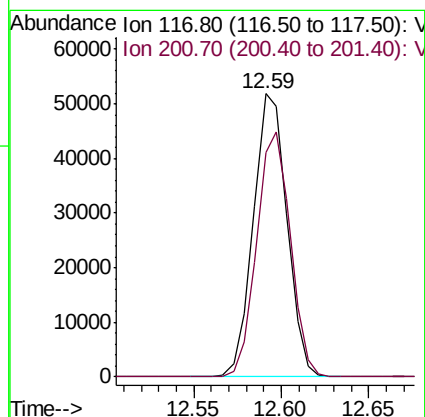
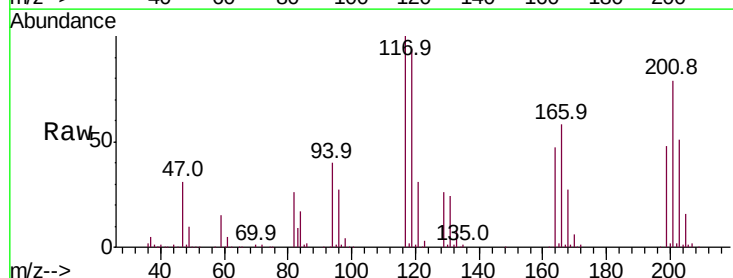
RT: 12.59 min Scan# 1876

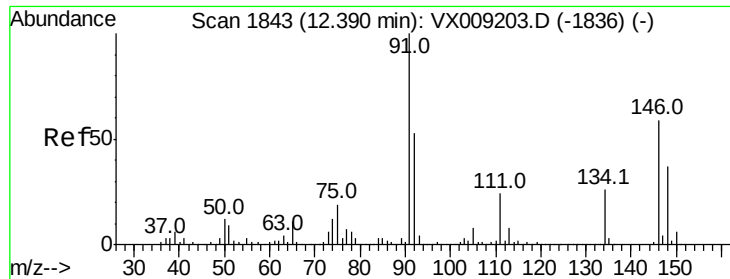
Delta R.T. -0.01 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	117	Resp:	69146
Ion Ratio	Lower	Upper	
117	100		
201	86.7	42.3	126.9





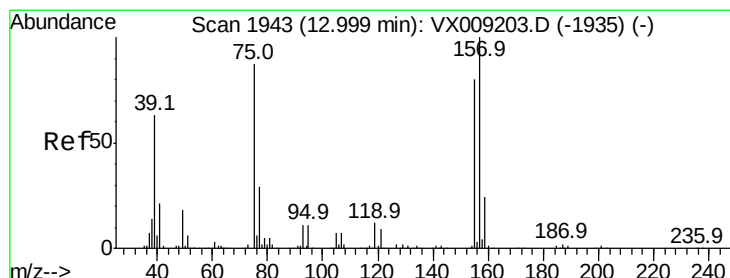
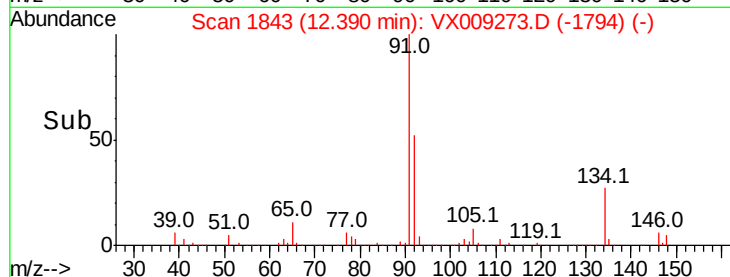
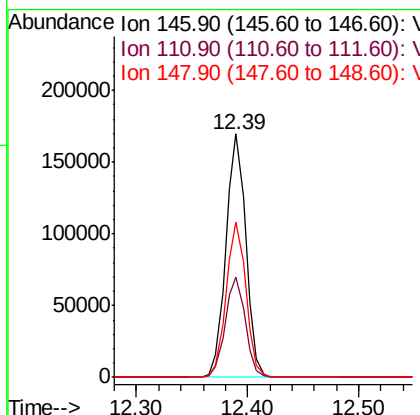
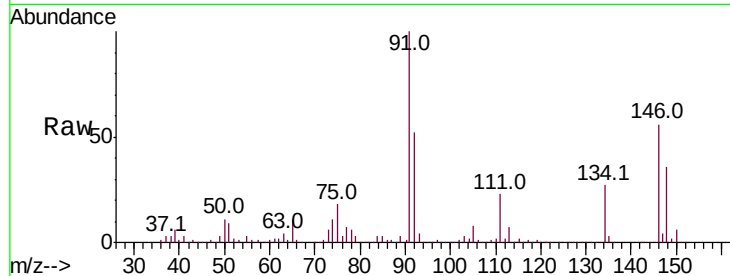
#91
 1,2-Dichlorobenzene
 Concen: 48.112 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209537		
111	41.2	20.8	62.4	
148	63.2	31.9	95.9	

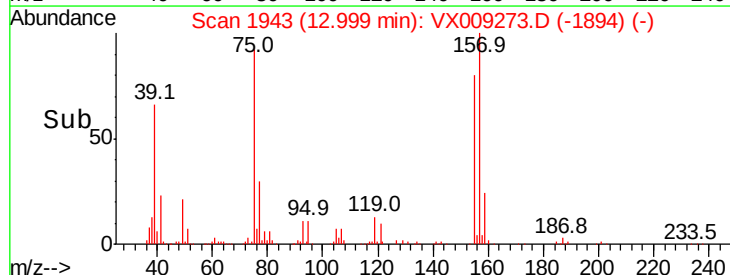
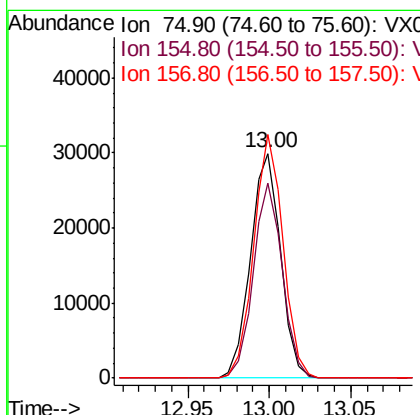
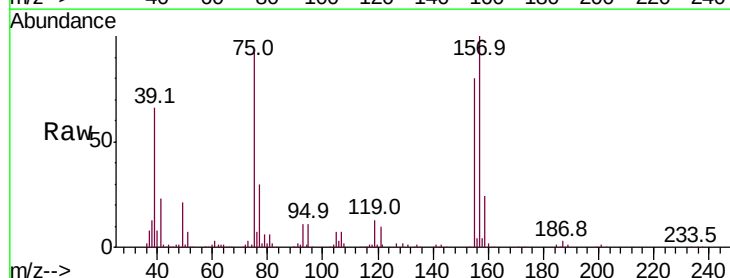
Manual Integrations
 APPROVED

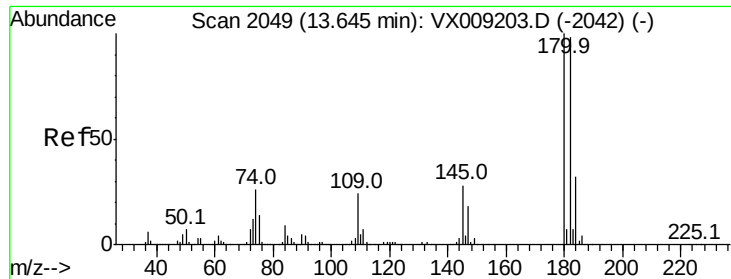
MMDadoda
 5/3/2019 11:19:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.515 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38399		
155	83.7	42.0	126.0	
157	105.4	53.2	159.6	





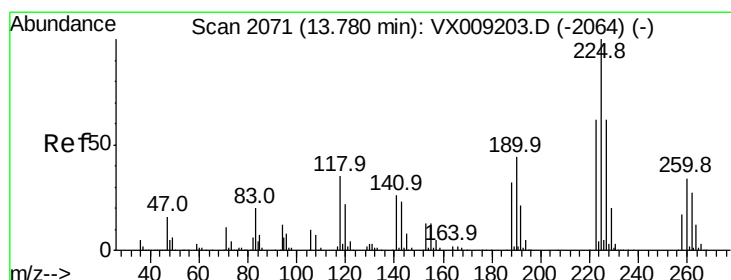
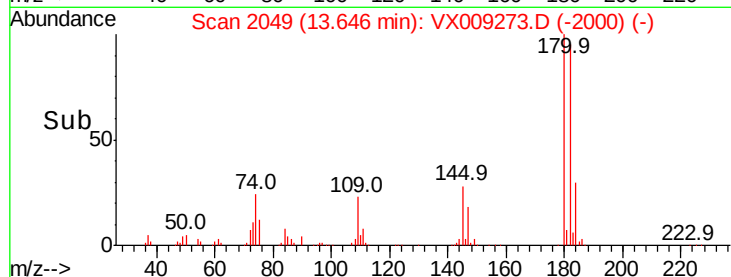
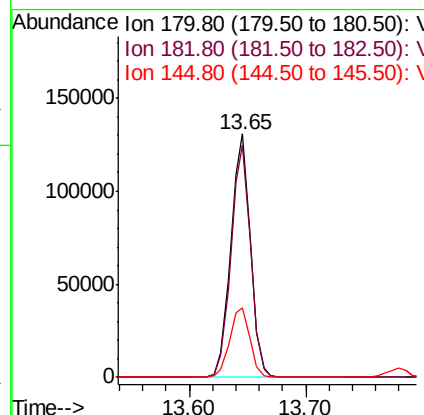
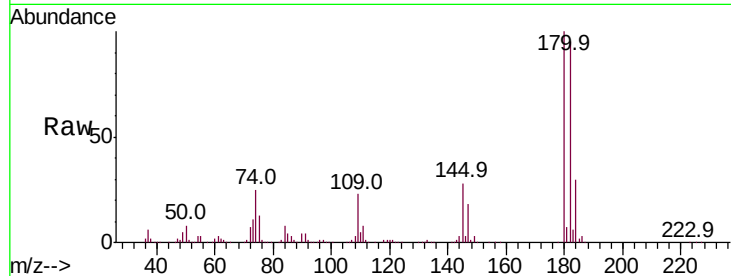
#93
 1,2,4-Trichlorobenzene
 Concen: 50.921 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151655		
182	95.4	48.4	145.2	
145	29.4	14.6	43.8	

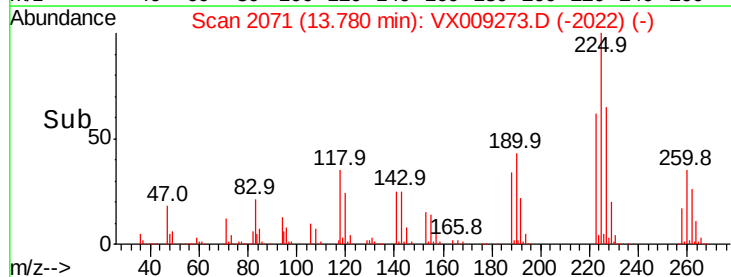
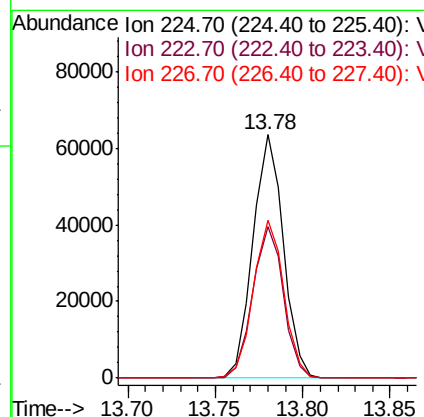
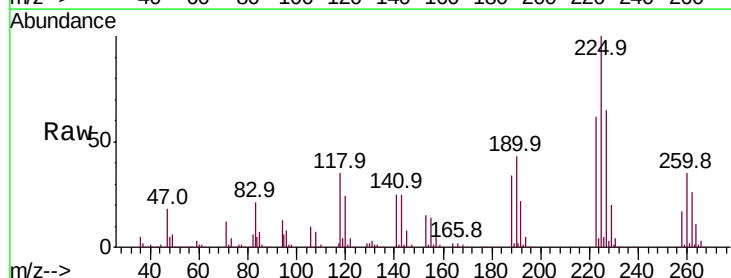
Manual Integrations
 APPROVED

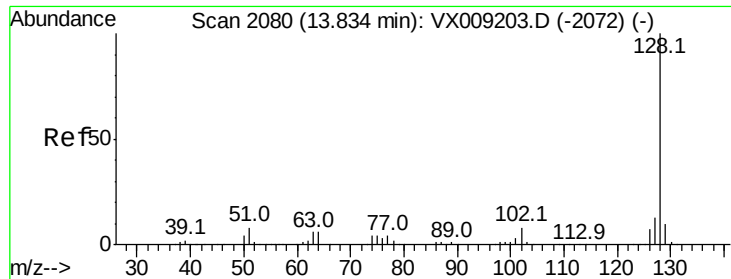
MMDadoda
 5/3/2019 11:19:56 AM



#94
 Hexachlorobutadiene
 Concen: 50.648 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009273.D
 Acq: 02 May 2019 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77029		
223	62.3	31.3	93.8	
227	64.6	31.8	95.3	





#95

Naphthalene

Concen: 49.846 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Instrument :

MSVOA_X

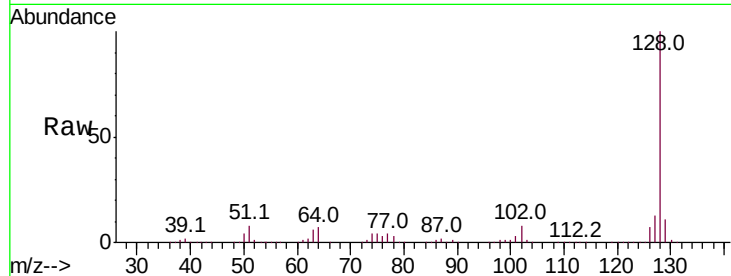
ClientSampleId :

VSTDCCC050

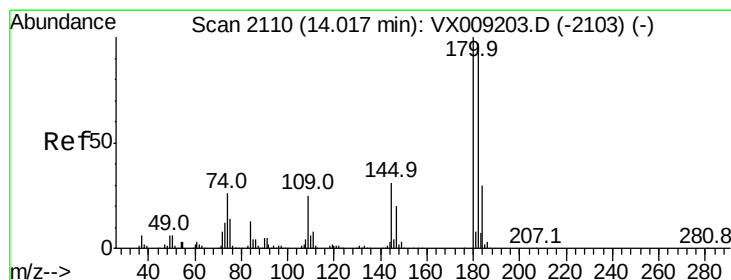
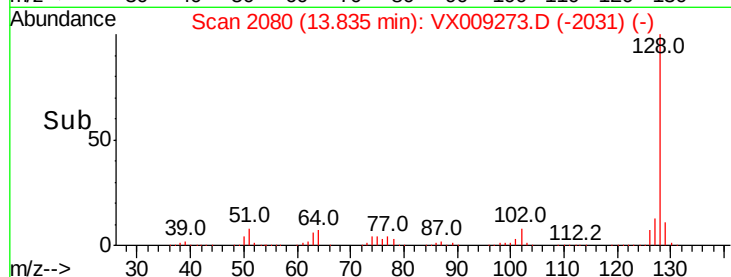
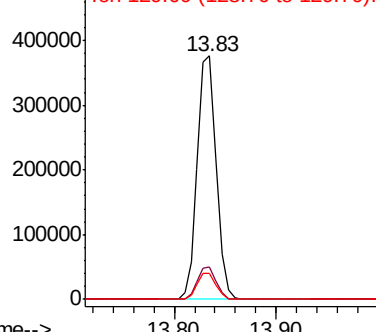
Tot Ion:	128	Resp:	482983
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/3/2019 11:19:56 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.984 ug/l

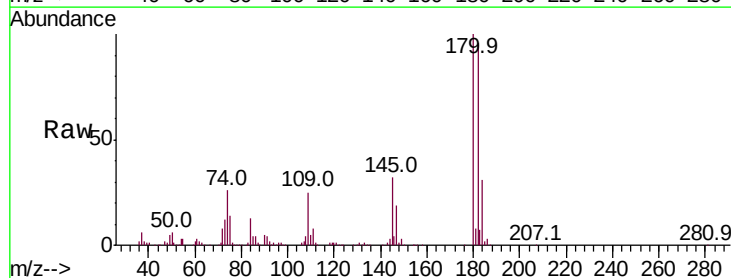
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009273.D

Acq: 02 May 2019 14:48

Tgt Ion:	180	Resp:	150900
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.4
145	31.2	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

