

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009906.D
 Acq On : 28 May 2019 11:07
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:50 AM

Quant Time: May 29 03:56:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	283286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117371	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	5.50	113	85787	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	8.71	98	356260	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.13	95	130584	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121152	68.037	ug/l	100
3) Chloromethane	1.33	50	142030	60.182	ug/l	100
4) Vinyl Chloride	1.41	62	133184	58.490	ug/l	100
5) Bromomethane	1.64	94	73966	54.205	ug/l	100
6) Chloroethane	1.72	64	77139	53.619	ug/l	100
7) Trichlorofluoromethane	1.93	101	147799	54.262	ug/l	100
8) Diethyl Ether	2.19	74	64069	50.255	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	87144	51.542	ug/l	100
10) Methyl Iodide	2.51	142	107396	59.918	ug/l	100
11) Tert butyl alcohol	3.05	59	146528	256.295	ug/l	100
12) 1,1-Dichloroethene	2.37	96	88363	52.196	ug/l	100
13) Acrolein	2.29	56	106532	213.876	ug/l	100
14) Allyl chloride	2.73	41	217070	52.283	ug/l	100
15) Acrylonitrile	3.15	53	351577	251.939	ug/l	100
16) Acetone	2.45	43	347554	260.693	ug/l	100
17) Carbon Disulfide	2.57	76	268827	55.812	ug/l	100
18) Methyl Acetate	2.78	43	153455	48.874	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	328863	50.232	ug/l	100
20) Methylene Chloride	2.85	84	104462	48.942	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	93293	50.939	ug/l	100
22) Diisopropyl ether	3.85	45	408913	51.476	ug/l	100
23) Vinyl Acetate	3.82	43	1851978	271.065	ug/l	100
24) 1,1-Dichloroethane	3.70	63	196322	50.223	ug/l	100
25) 2-Butanone	4.68	43	547733	264.947	ug/l	100
26) 2,2-Dichloropropane	4.59	77	150130	51.546	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	107268	49.224	ug/l	100
28) Bromochloromethane	5.02	49	96907	54.711	ug/l	100
29) Tetrahydrofuran	5.13	42	349097	263.005	ug/l	100
30) Chloroform	5.21	83	175901	49.864	ug/l	100
31) Cyclohexane	5.58	56	198294	53.863	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	149164	50.674	ug/l	100
36) 1,1-Dichloropropene	5.80	75	137845	51.725	ug/l	100
37) Ethyl Acetate	4.84	43	200090	53.538	ug/l	100
38) Carbon Tetrachloride	5.79	117	125507	51.864	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	174971	53.302	ug/l	100
40) Benzene	6.15	78	421769	51.266	ug/l	100
41) Methacrylonitrile	5.04	41	112465	50.846	ug/l	100
42) 1,2-Dichloroethane	6.20	62	151776	51.224	ug/l	100
43) Isopropyl Acetate	6.45	43	315425	52.946	ug/l	100
44) Trichloroethene	7.21	130	99597	50.147	ug/l	100
45) 1,2-Dichloropropane	7.51	63	119641	51.368	ug/l	100
46) Dibromomethane	7.66	93	67813	50.164	ug/l	100
47) Bromodichloromethane	7.90	83	136658	50.772	ug/l	100
48) Methyl methacrylate	7.77	41	160246	54.031	ug/l	100
49) 1,4-Dioxane	7.74	88	58120	979.450	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1045713	267.862	ug/l	100
52) Toluene	8.79	92	256471	51.270	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	166082	54.221	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	180650	53.490	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	101408	49.946	ug/l	100
56) Ethyl methacrylate	9.18	69	193213	52.931	ug/l	100
57) 1,3-Dichloropropane	9.37	76	181678	50.626	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	497577	259.643	ug/l	100
59) 2-Hexanone	9.49	43	826444	269.788	ug/l	100
60) Dibromochloromethane	9.58	129	104157	52.324	ug/l	100
61) 1,2-Dibromoethane	9.67	107	104455	50.883	ug/l	100
64) Tetrachloroethene	9.34	164	90511	50.384	ug/l	100
65) Chlorobenzene	10.14	112	264601	50.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	95257	50.297	ug/l	100
67) Ethyl Benzene	10.25	91	491048	50.993	ug/l	100
68) m/p-Xylenes	10.36	106	364816	103.569	ug/l	100
69) o-Xylene	10.69	106	175973	50.666	ug/l	100
70) Styrene	10.71	104	309023	51.321	ug/l	100
71) Bromoform	10.85	173	79736	51.728	ug/l	100
73) Isopropylbenzene	11.02	105	472574	50.238	ug/l	100
74) N-amyl acetate	10.90	43	289120	52.535	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	170089	48.736	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	150435m	50.110	ug/l	
77) Bromobenzene	11.26	156	114806	49.228	ug/l	100
78) n-propylbenzene	11.36	91	551557	51.245	ug/l	100
79) 2-Chlorotoluene	11.42	91	327116	49.237	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	400788	50.531	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62453	52.949	ug/l	100
82) 4-Chlorotoluene	11.51	91	380868	50.699	ug/l	100
83) tert-Butylbenzene	11.77	119	382999	49.728	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	405532	50.933	ug/l	100
85) sec-Butylbenzene	11.94	105	461074	50.480	ug/l	100
86) p-Isopropyltoluene	12.06	119	423050	51.465	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	206242	49.638	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	207144	49.426	ug/l	100
89) n-Butylbenzene	12.38	91	396432	53.127	ug/l	100
90) Hexachloroethane	12.60	117	71733	51.310	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	205060	48.612	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39757	50.791	ug/l	100

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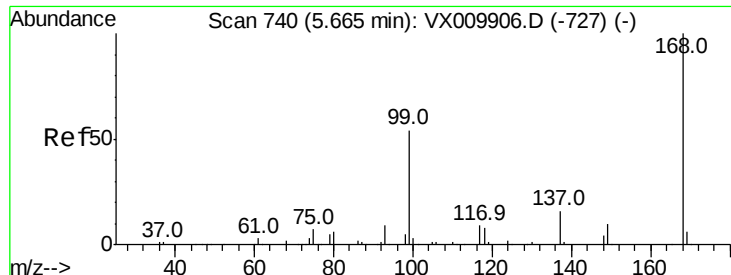
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	147926	51.136	ug/l	100
94) Hexachlorobutadiene	13.78	225	75106	50.716	ug/l	100
95) Naphthalene	13.83	128	465427	49.813	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	146280	50.004	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 178677

Ion Ratio Lower Upper

168 100

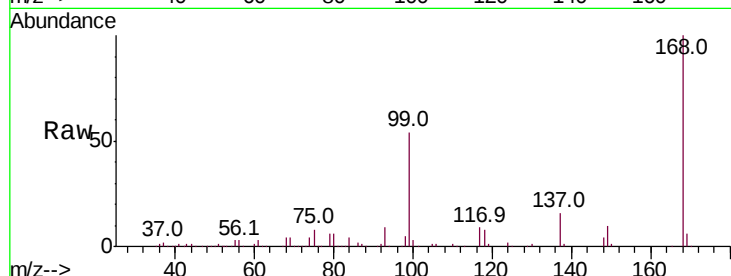
99 53.8 43.0 64.6

Manual Integrations

APPROVED

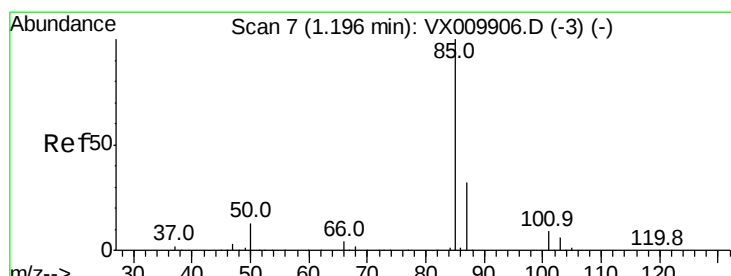
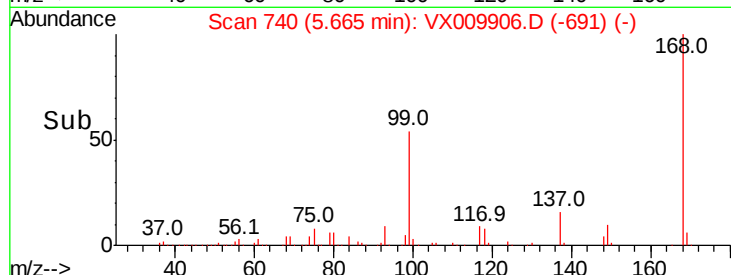
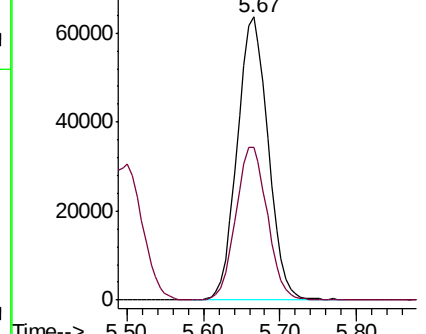
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 68.037 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009906.D

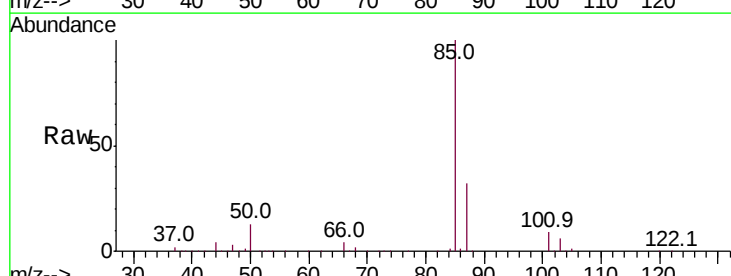
Acq: 28 May 2019 11:07

Tgt Ion: 85 Resp: 121152

Ion Ratio Lower Upper

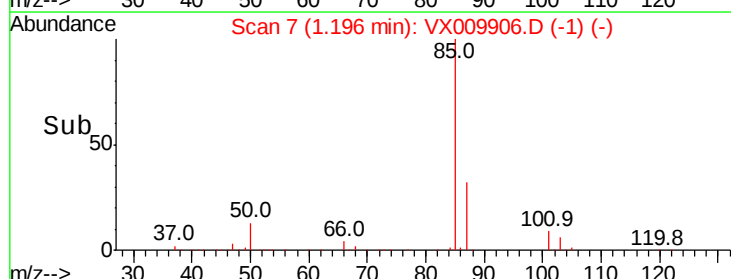
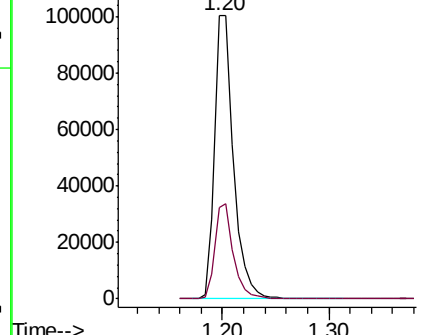
85 100

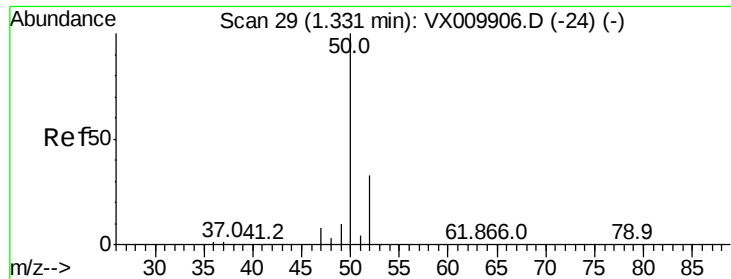
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 60.182 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 142030

Ion Ratio Lower Upper

50 100

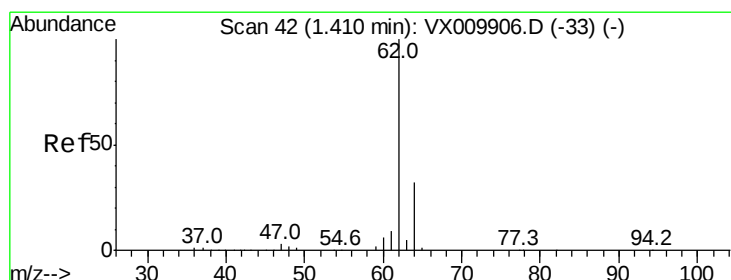
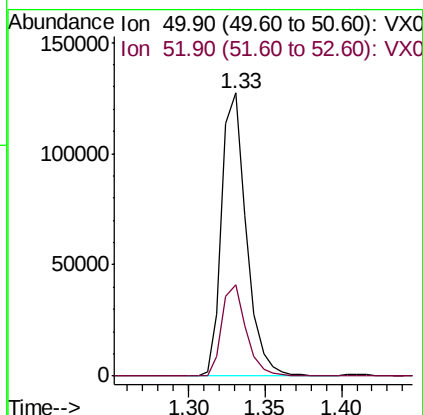
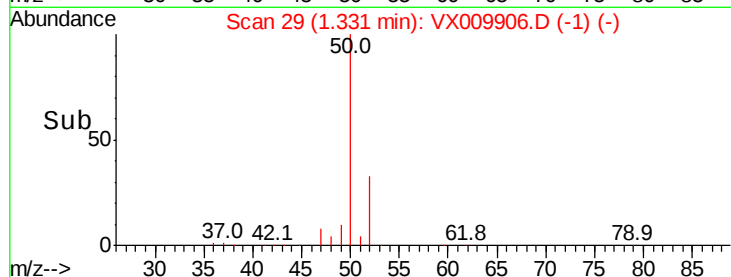
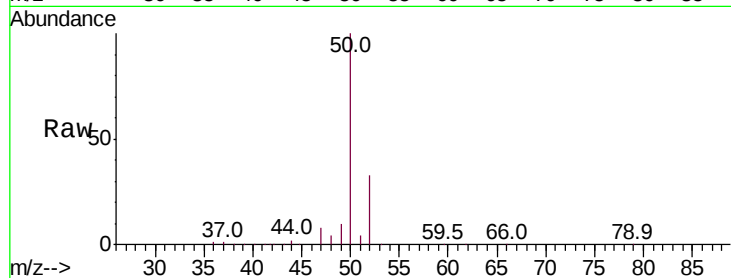
52 32.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 58.490 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009906.D

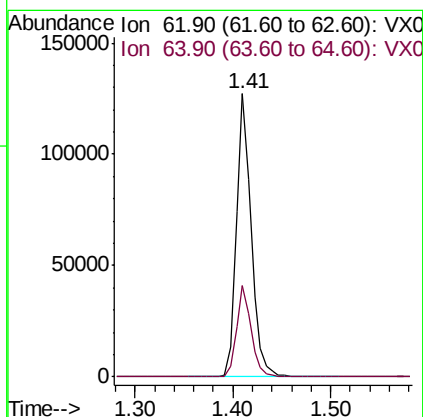
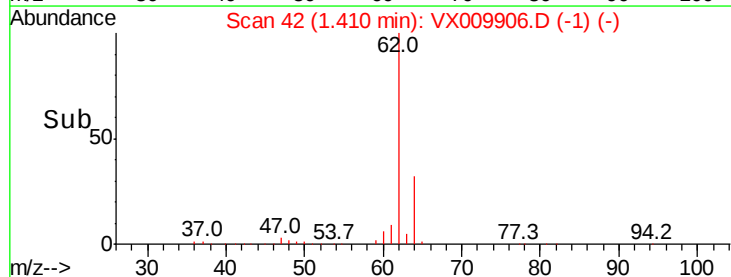
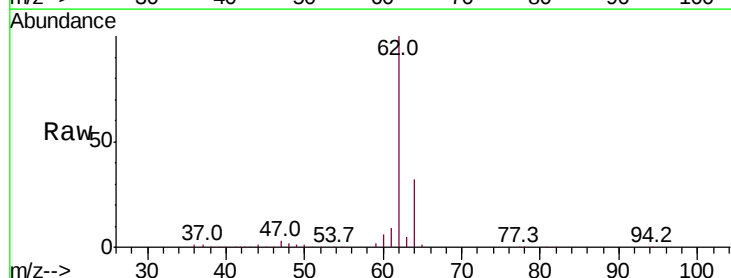
Acq: 28 May 2019 11:07

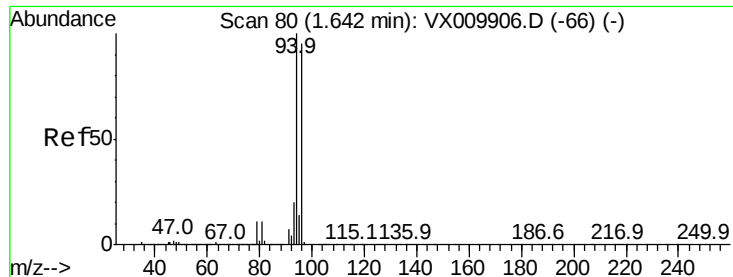
Tgt Ion: 62 Resp: 133184

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 54.205 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 73966

Ion Ratio Lower Upper

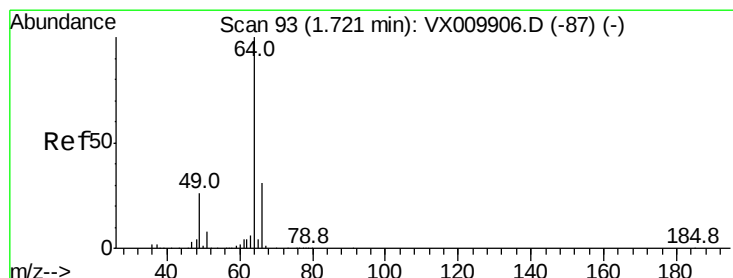
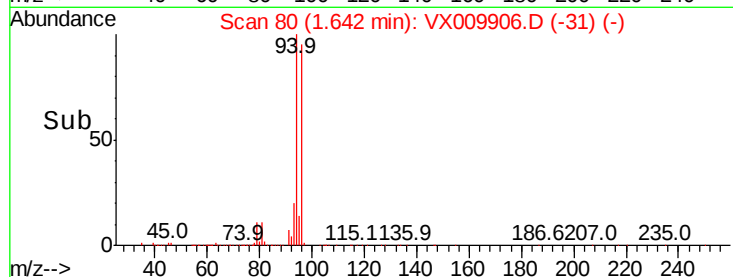
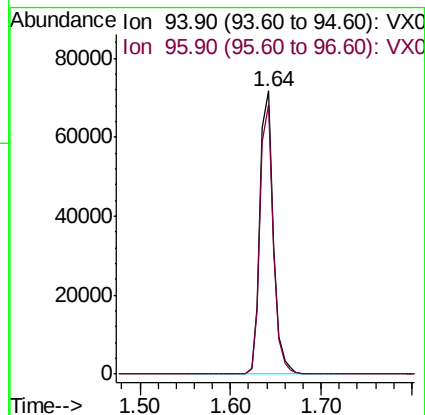
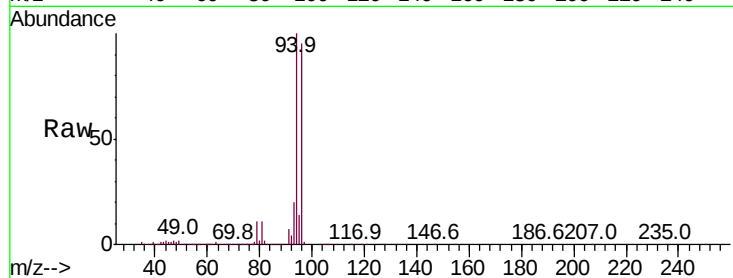
94 100

96 95.3 76.2 114.4

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#6

Chloroethane

Concen: 53.619 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009906.D

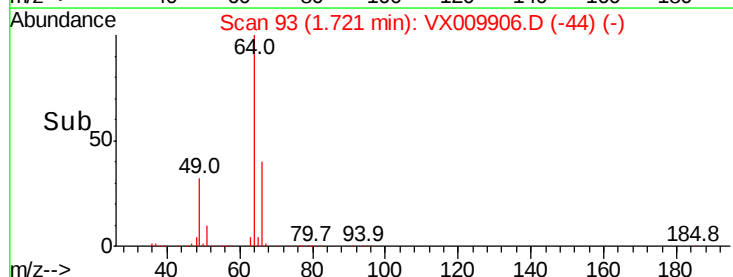
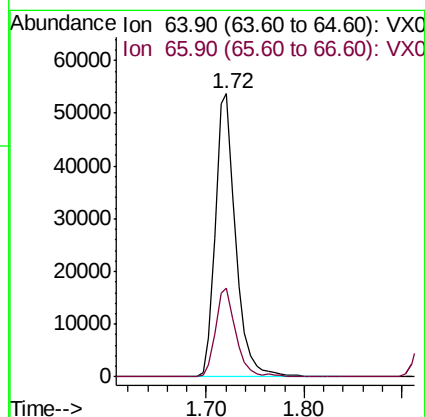
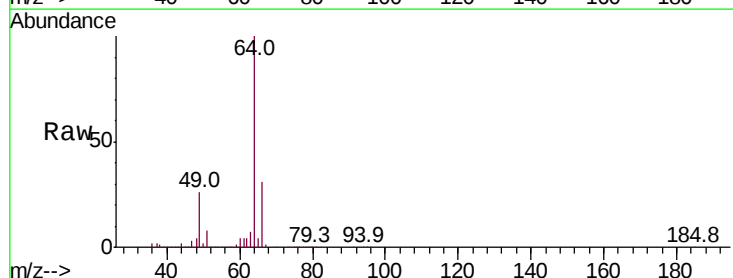
Acq: 28 May 2019 11:07

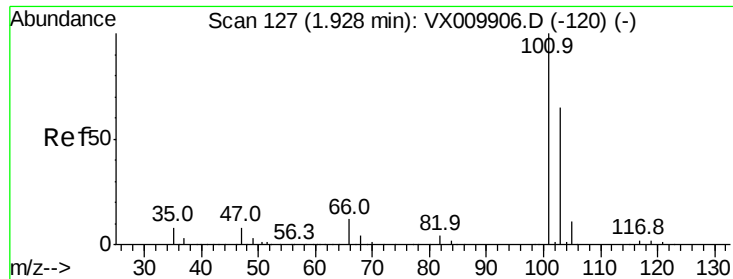
Tgt Ion: 64 Resp: 77139

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

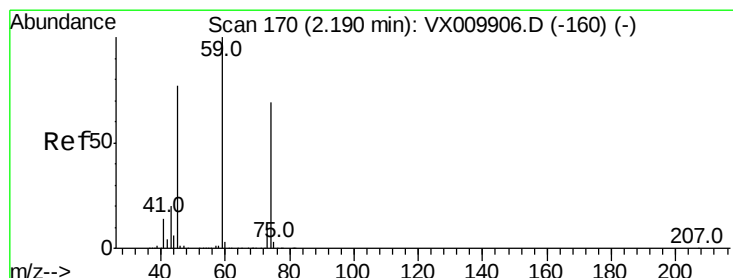
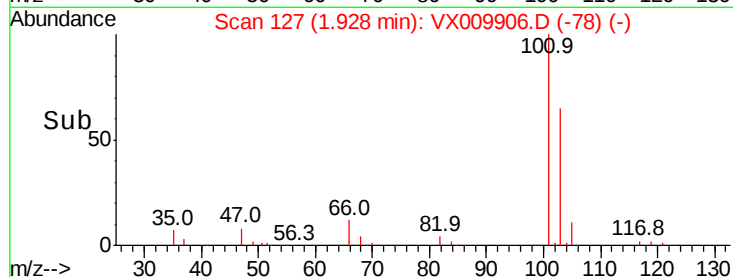
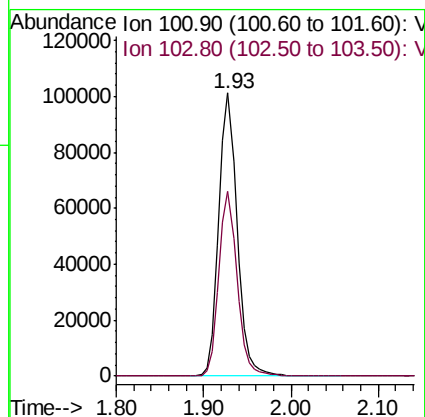
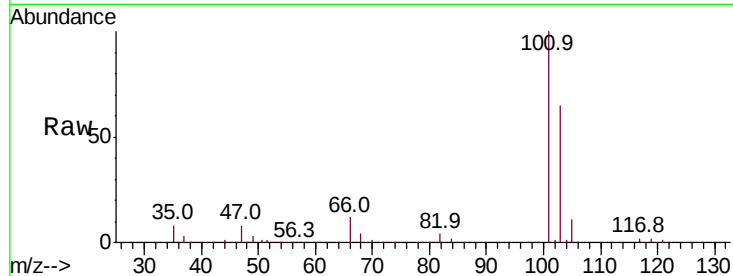
Trichlorofluoromethane
Concen: 54.262 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 147799
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

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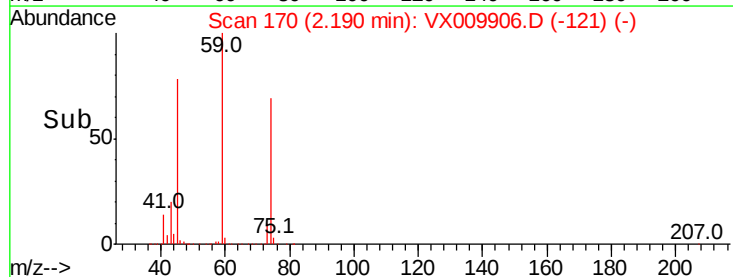
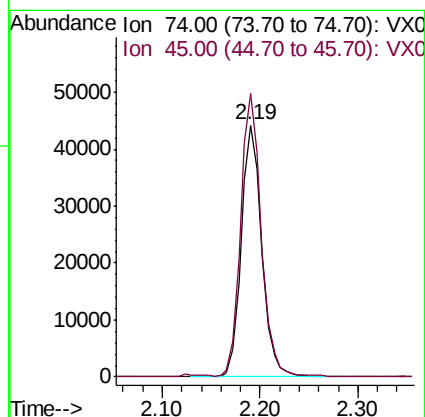
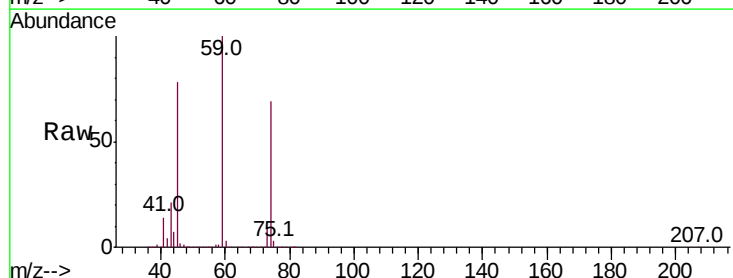
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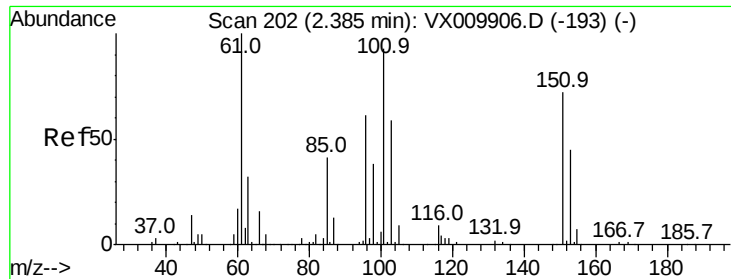


#8

Diethyl Ether
Concen: 50.255 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion: 74 Resp: 64069
Ion Ratio Lower Upper
74 100
45 112.2 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.542 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

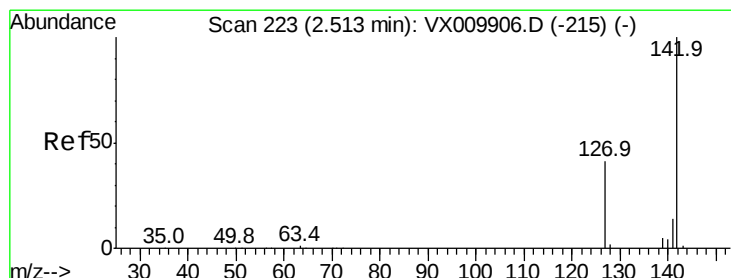
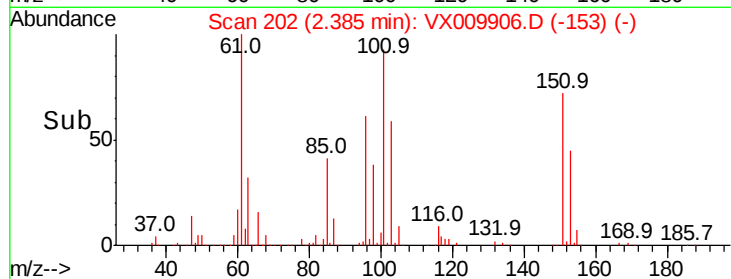
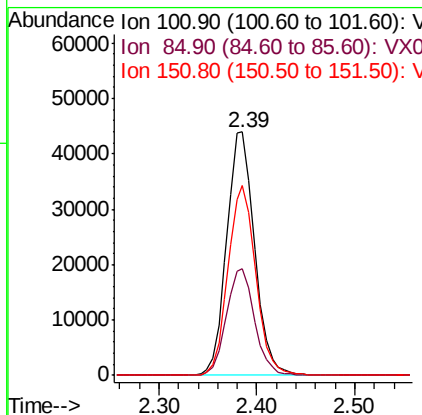
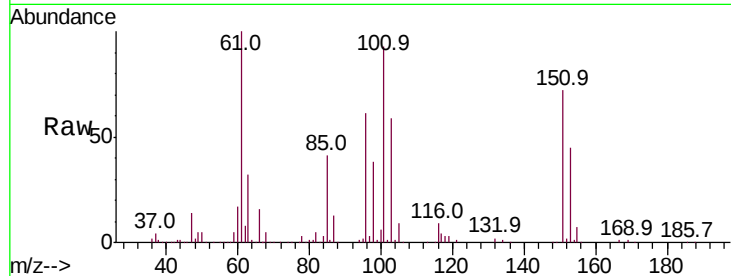
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	87144
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	77.4	61.9	92.9

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#10

Methyl Iodide

Concen: 59.918 ug/l

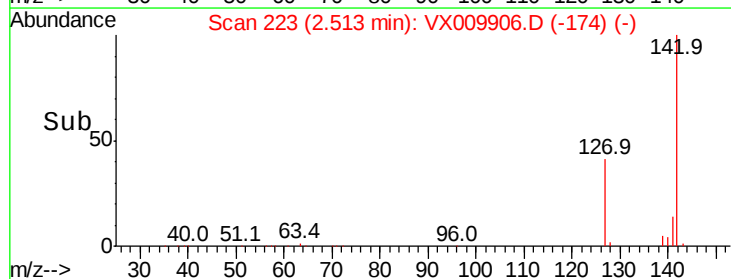
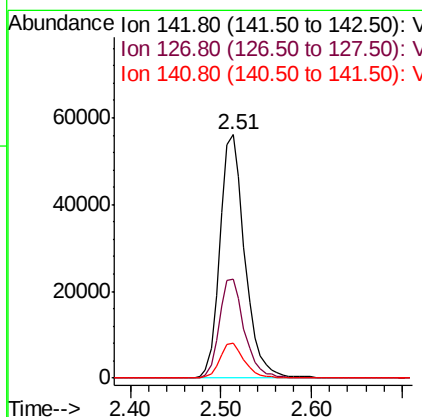
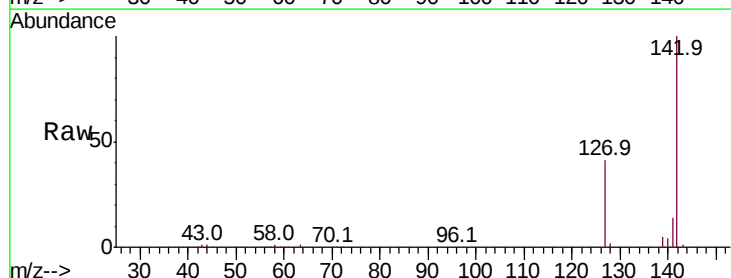
RT: 2.51 min Scan# 223

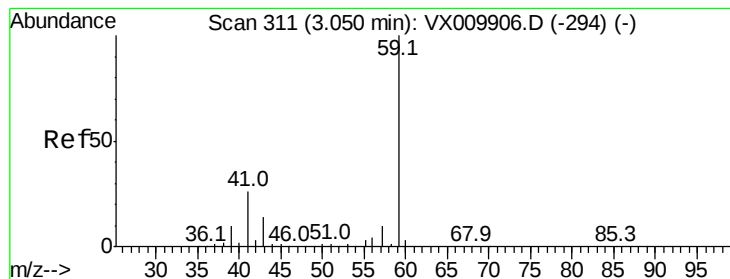
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	142	Resp:	107396
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.2	11.4	17.0





#11

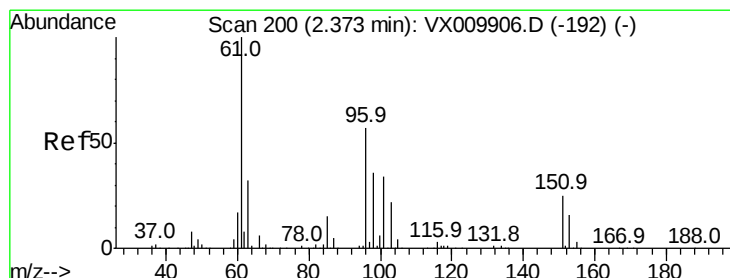
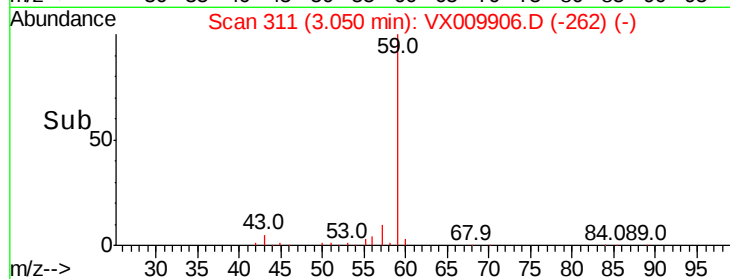
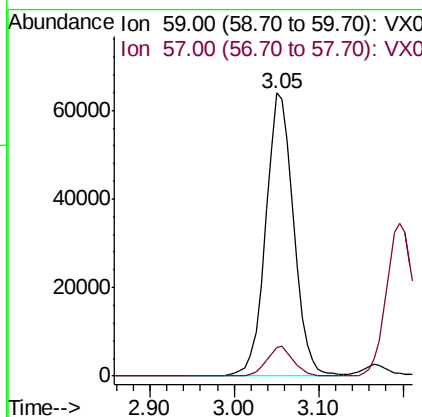
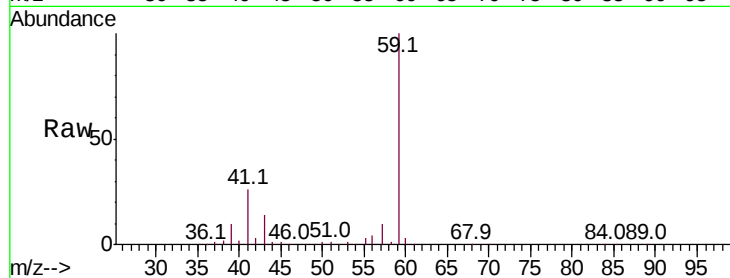
Tert butyl alcohol
Concen: 256.295 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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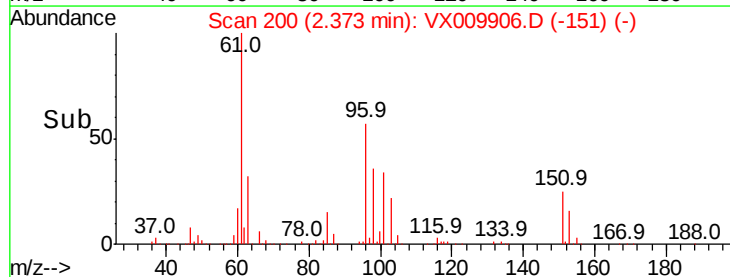
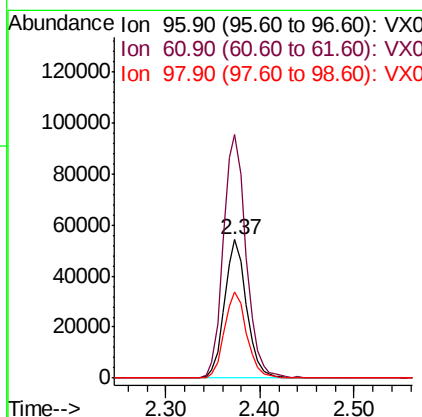
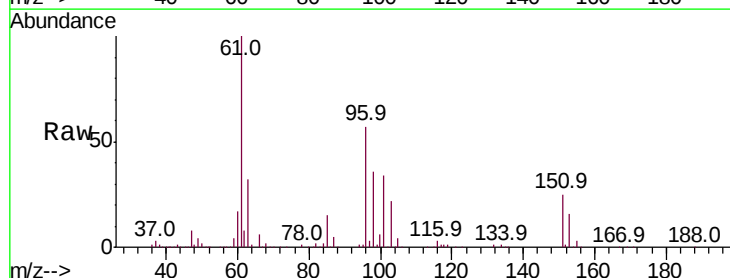
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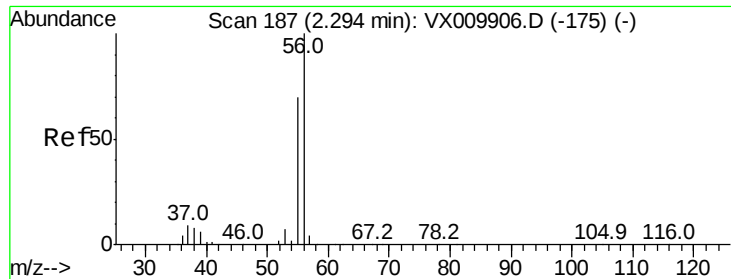


#12

1,1-Dichloroethene
Concen: 52.196 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.9	140.7	211.1
98	62.6	50.1	75.1





#13

Acrolein

Concen: 213.876 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 106532

Ion Ratio Lower Upper

56 100

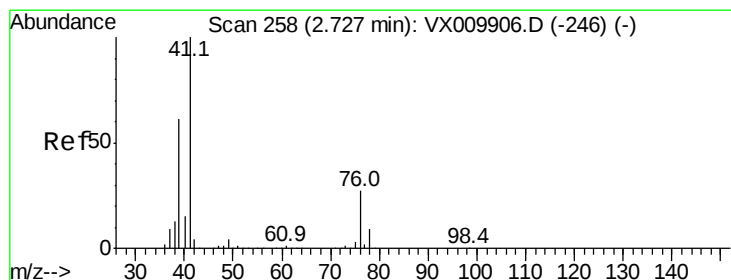
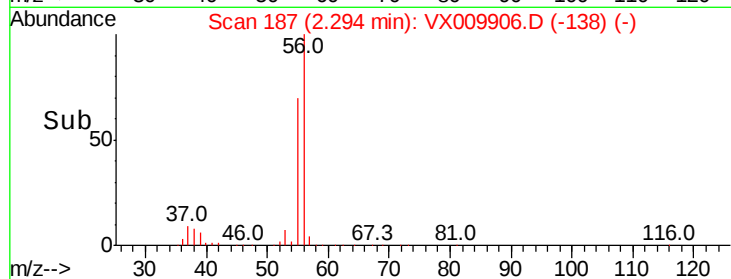
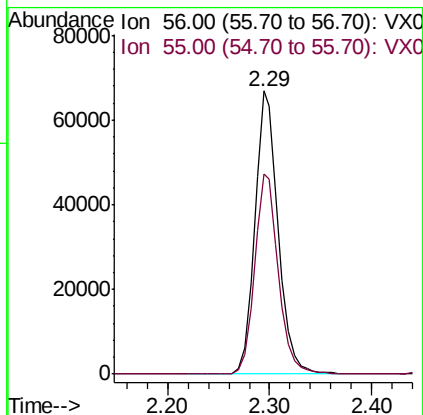
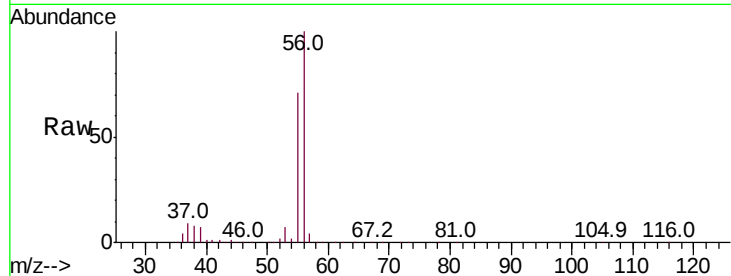
55 71.2 57.0 85.4

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#14

Allyl chloride

Concen: 52.283 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

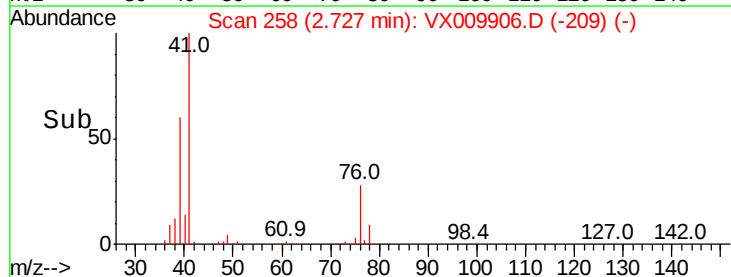
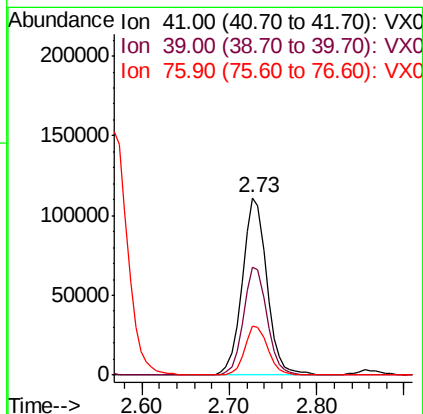
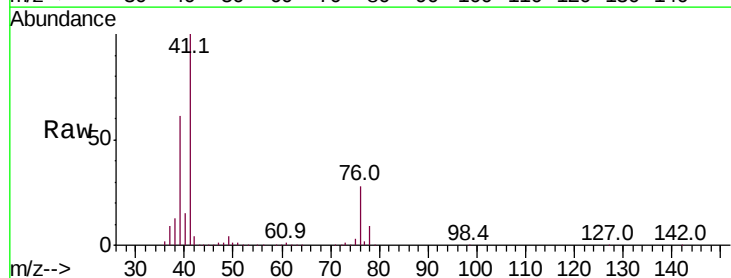
Tgt Ion: 41 Resp: 217070

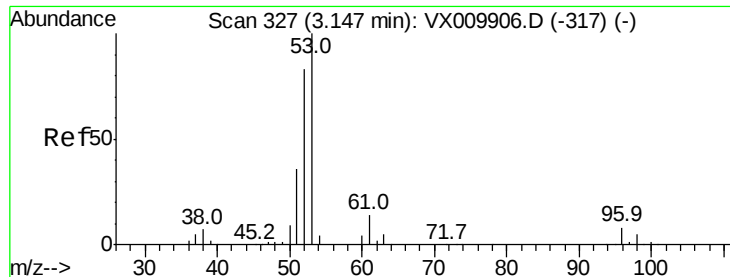
Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

76 26.2 21.0 31.4





#15

Acrylonitrile

Concen: 251.939 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

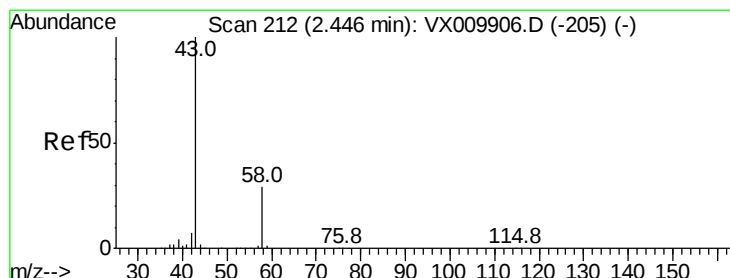
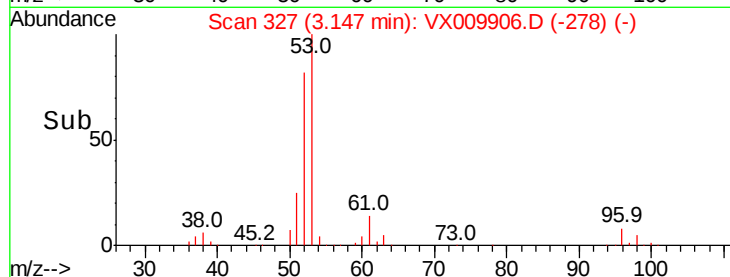
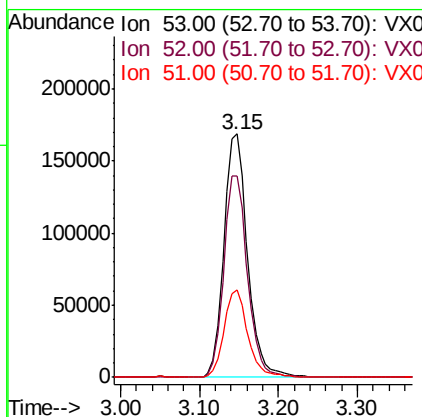
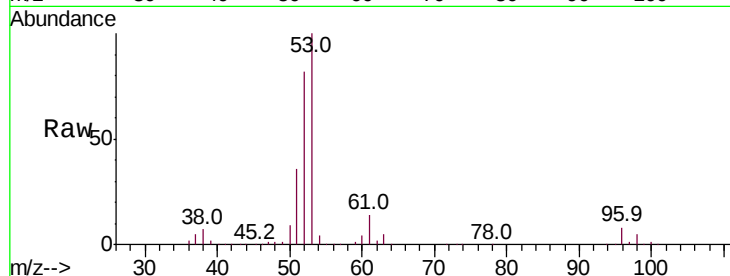
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	351577
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	36.0	28.8	43.2

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#16

Acetone

Concen: 260.693 ug/l

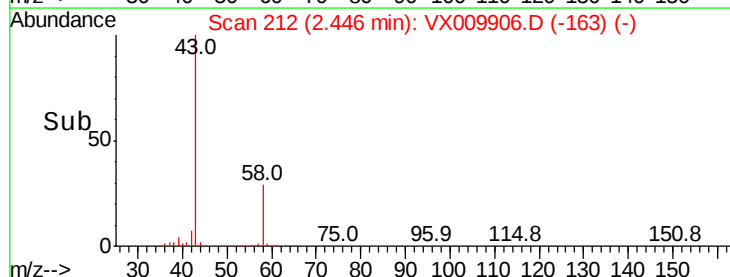
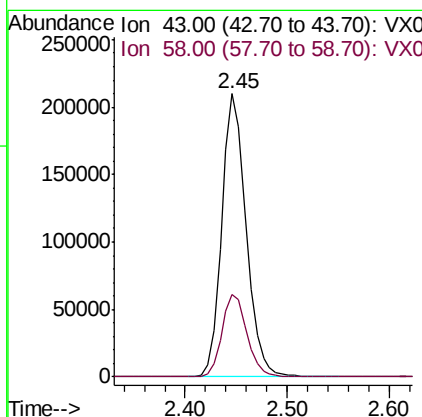
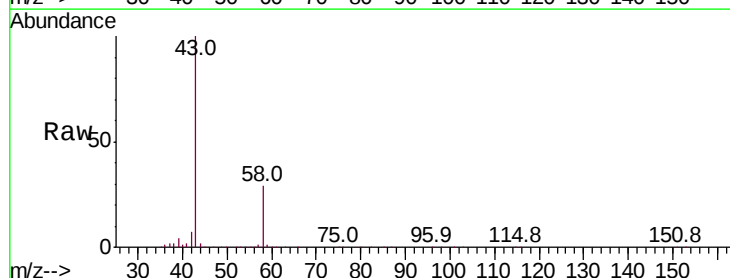
RT: 2.45 min Scan# 212

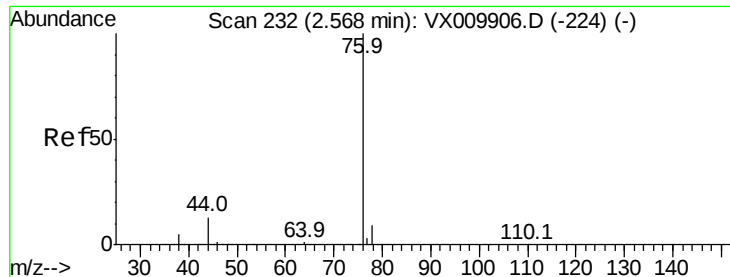
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	43	Resp:	347554
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.2	34.8





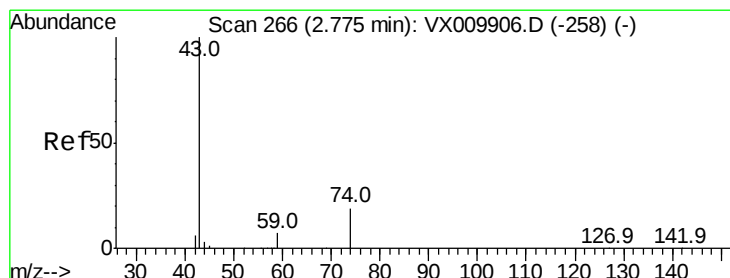
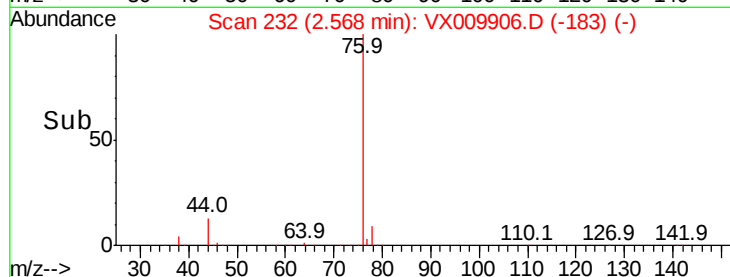
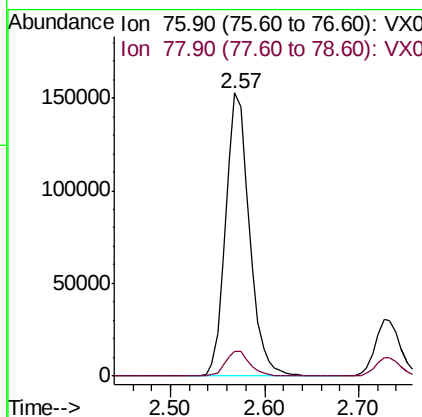
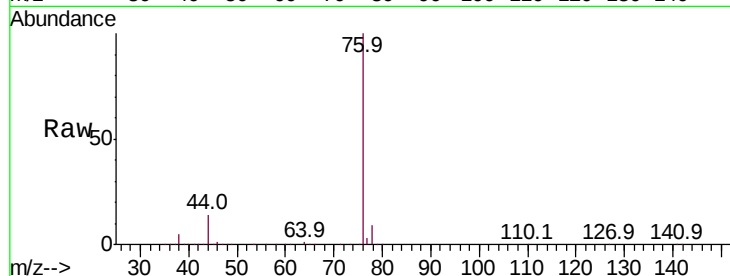
#17
Carbon Disulfide
Concen: 55.812 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

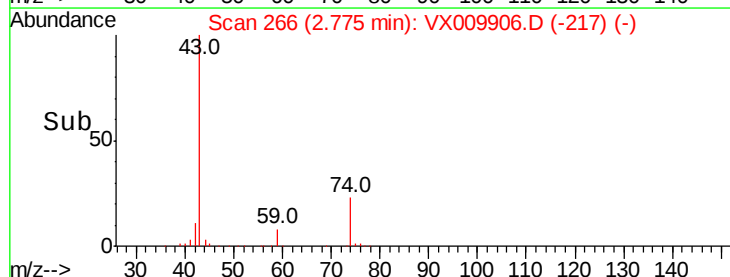
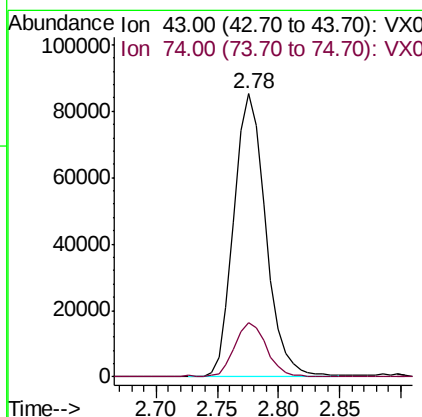
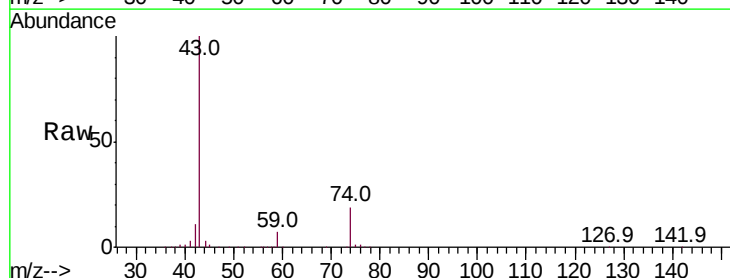
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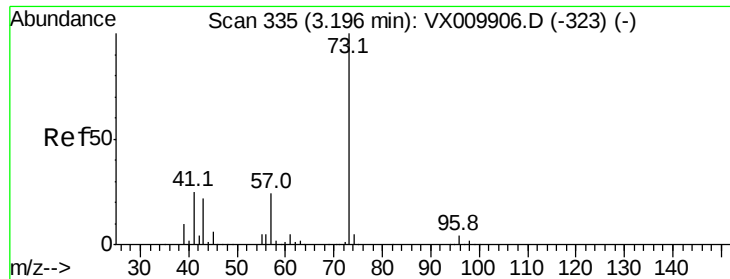
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#18
Methyl Acetate
Concen: 48.874 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.8	23.6





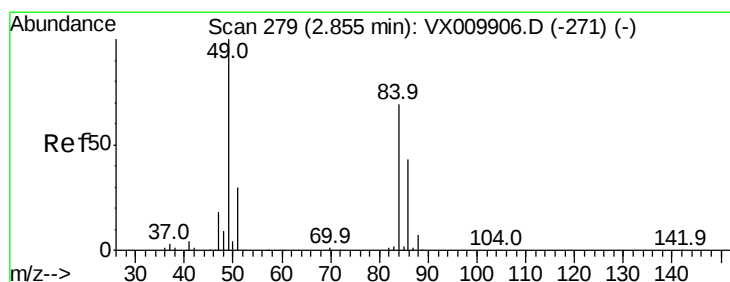
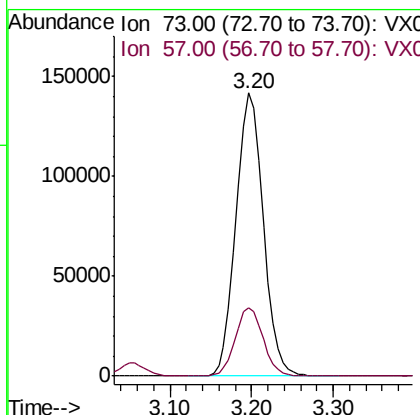
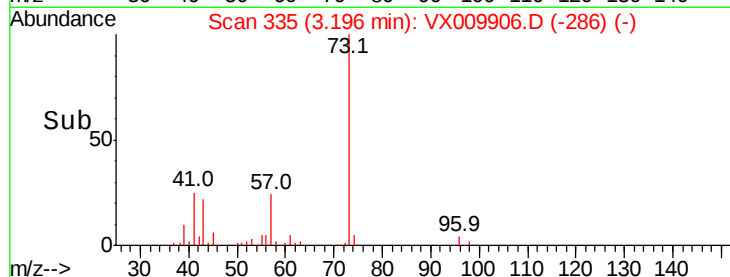
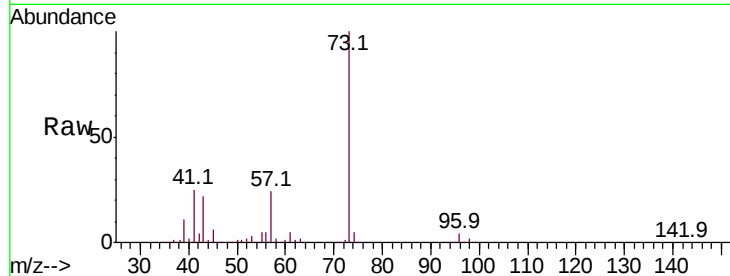
#19
Methyl tert-butyl Ether
Concen: 50.232 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 328863
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2

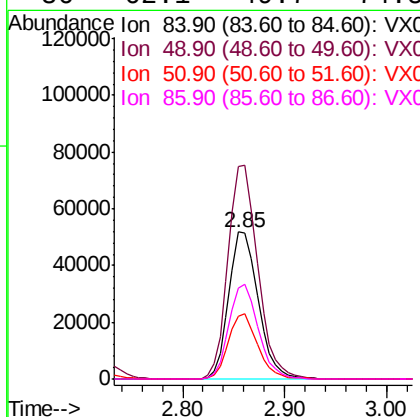
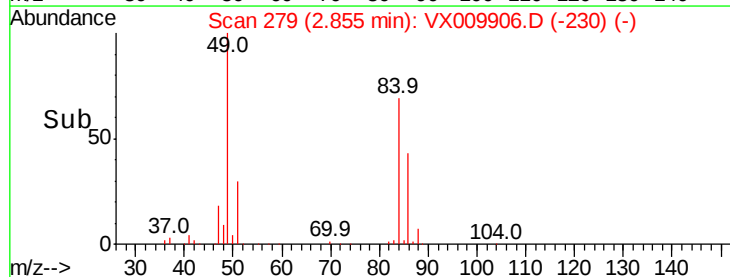
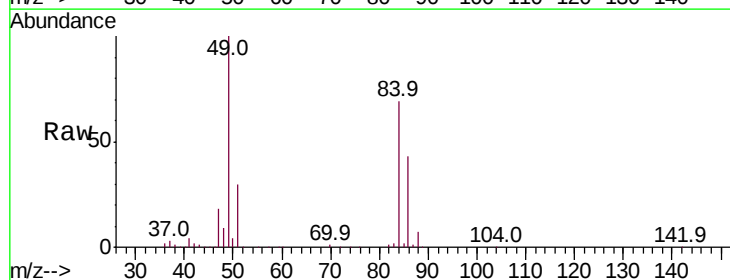
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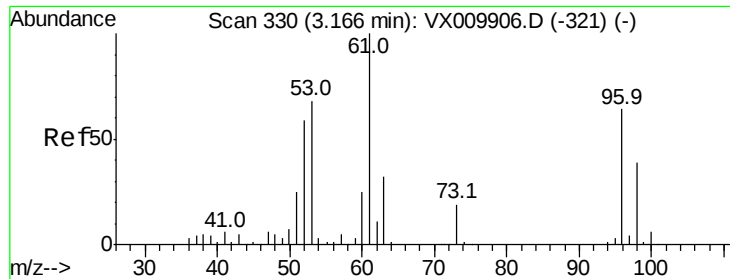
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#20
Methylene Chloride
Concen: 48.942 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion: 84 Resp: 104462
Ion Ratio Lower Upper
84 100
49 144.7 115.8 173.6
51 43.0 34.4 51.6
86 62.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 50.939 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 93293

Ion Ratio Lower Upper

96 100

61 157.1 125.7 188.5

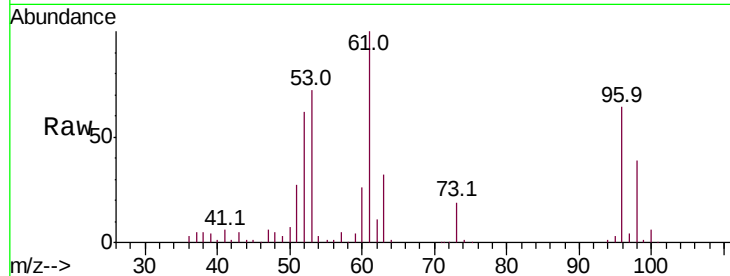
98 61.3 49.0 73.6

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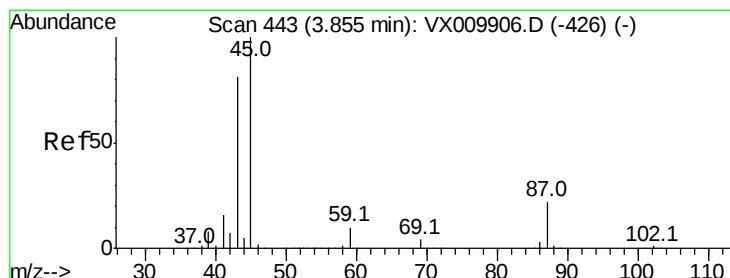
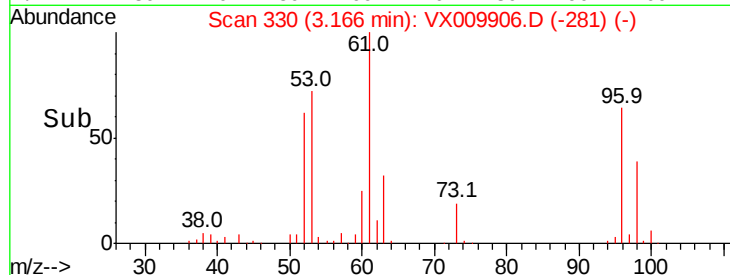
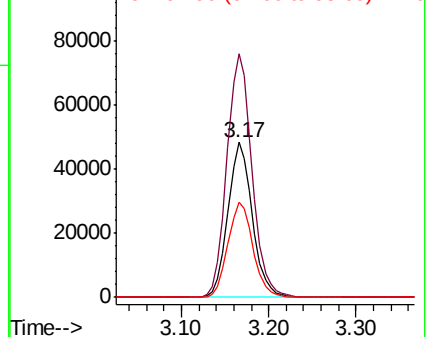


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.476 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion: 45 Resp: 408913

Ion Ratio Lower Upper

45 100

43 81.2 65.0 97.4

87 21.6 17.3 25.9

59 10.1 8.1 12.1

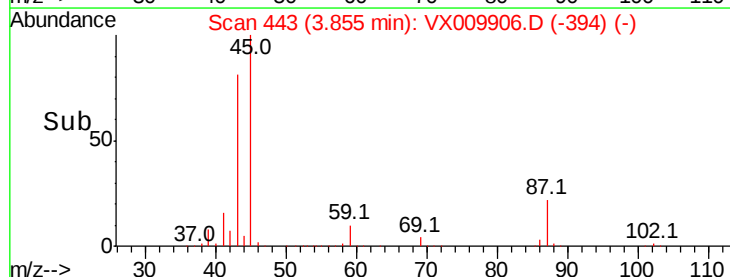
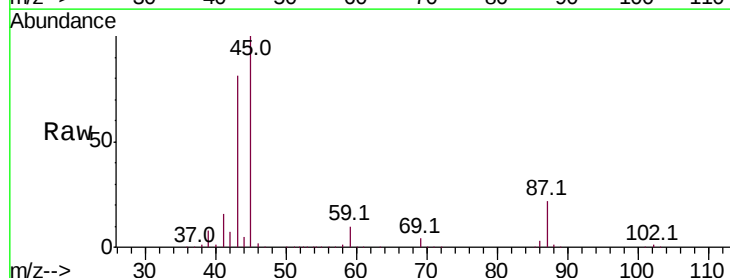
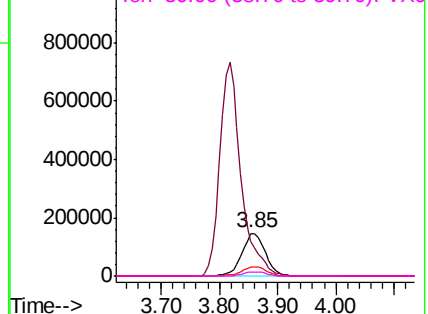
Abundance

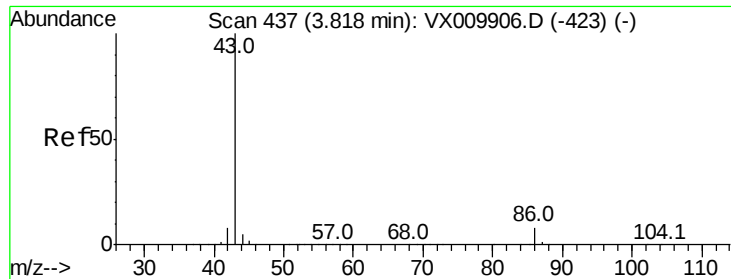
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 271.065 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tot Ion: 43 Resp: 1851978

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

Instrument :

MSVOA_X

ClientSampleId :

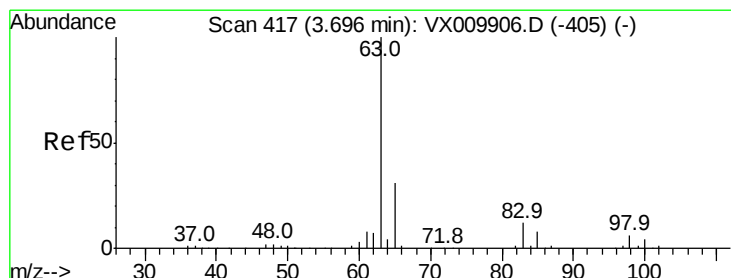
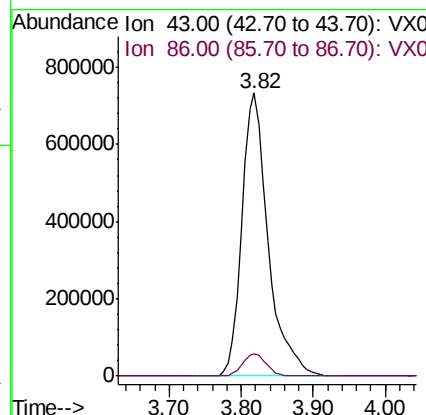
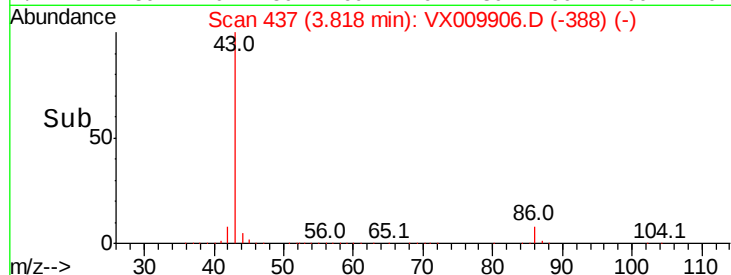
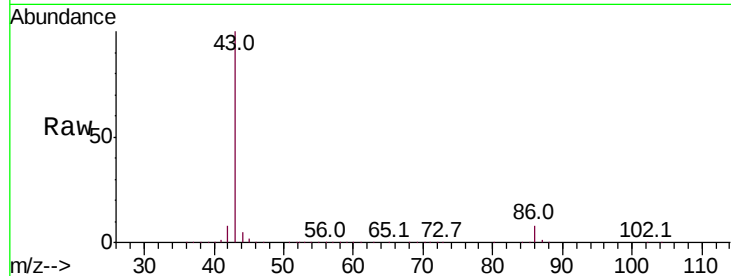
VSTDICCC050

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#24

1,1-Dichloroethane

Concen: 50.223 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

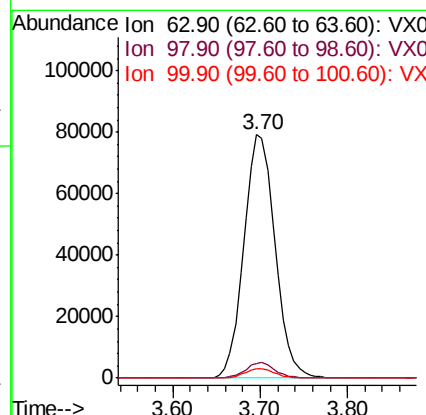
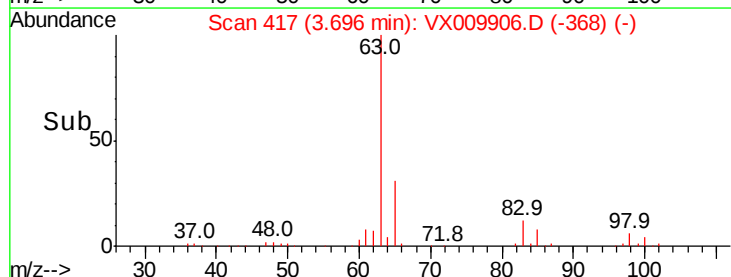
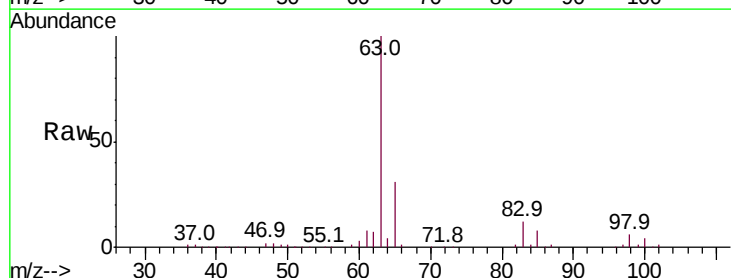
Tgt Ion: 63 Resp: 196322

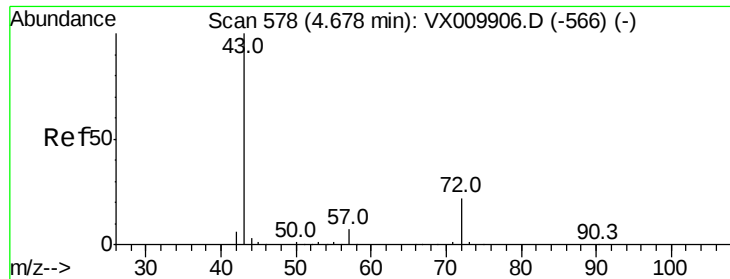
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 264.947 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tot Ion: 43 Resp: 547733

Ion Ratio Lower Upper

43 100

72 21.9 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

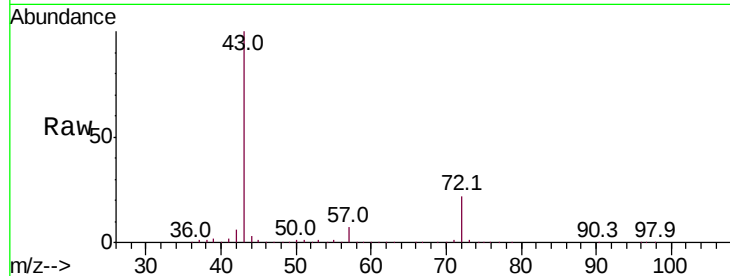
VSTDICCC050

Manual Integrations

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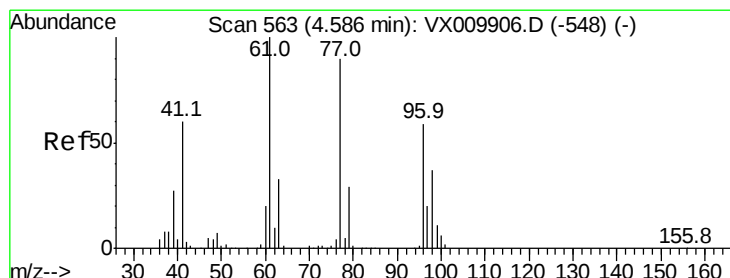
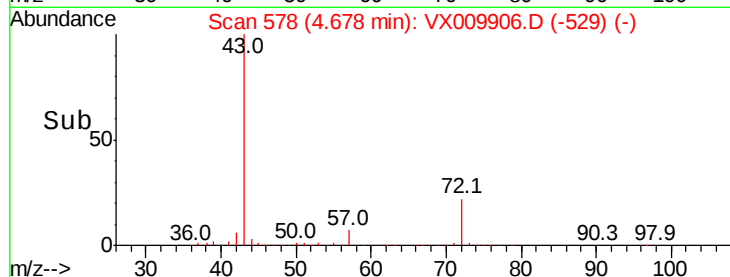
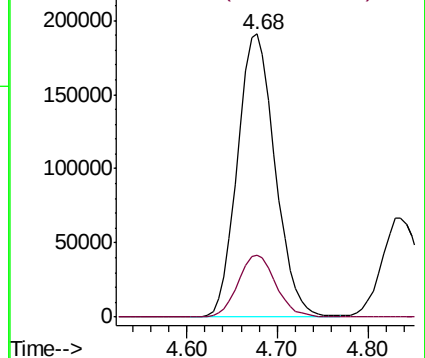
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 51.546 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX009906.D

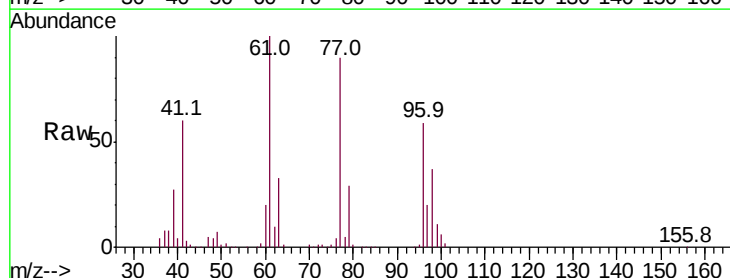
Acq: 28 May 2019 11:07

Tgt Ion: 77 Resp: 150130

Ion Ratio Lower Upper

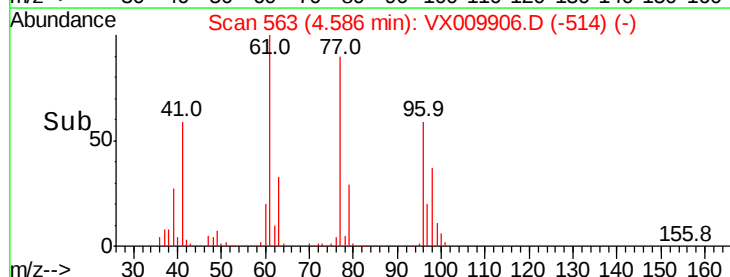
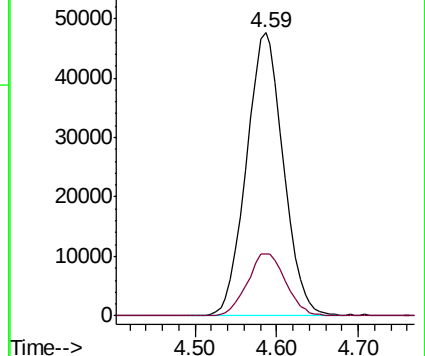
77 100

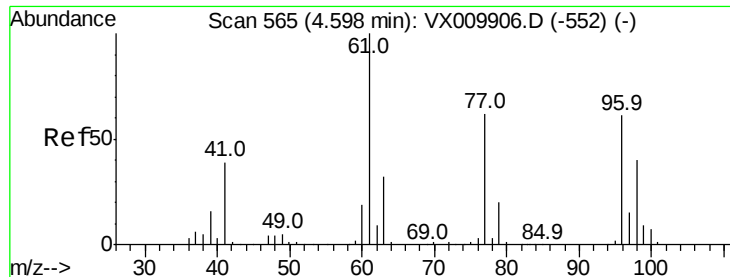
97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

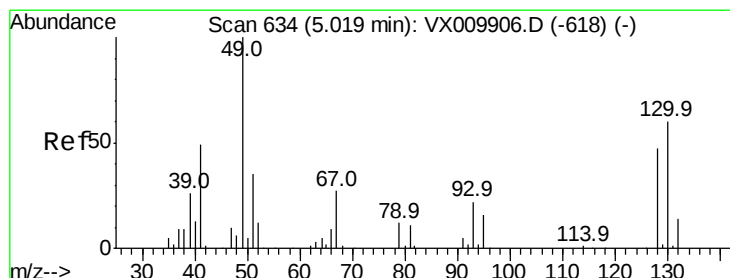
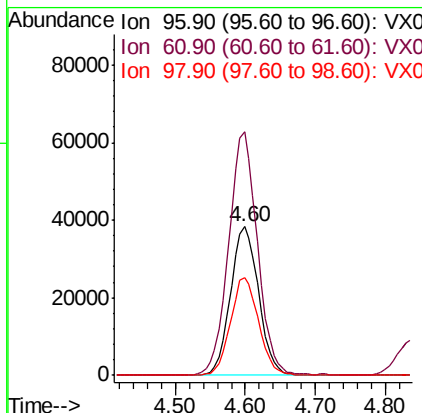
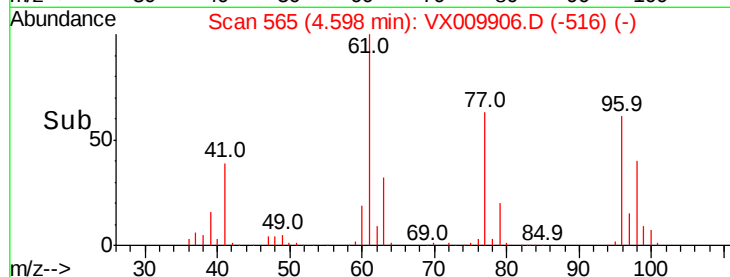
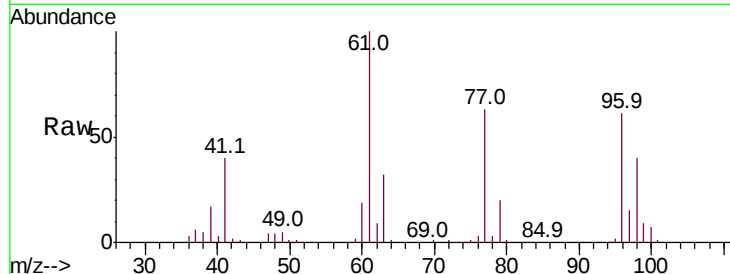
cis-1,2-Dichloroethene
 Concen: 49.224 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.0	0.0	334.0
98	65.8	0.0	131.6

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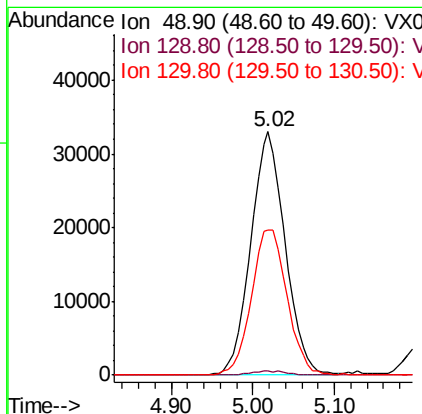
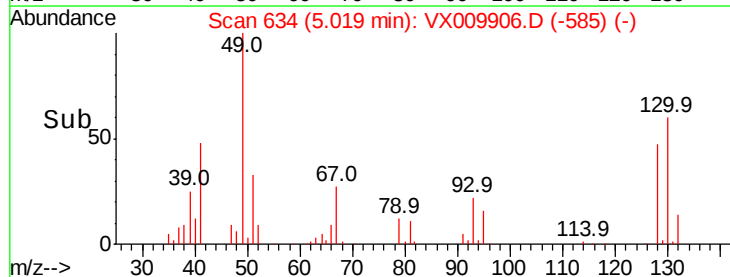
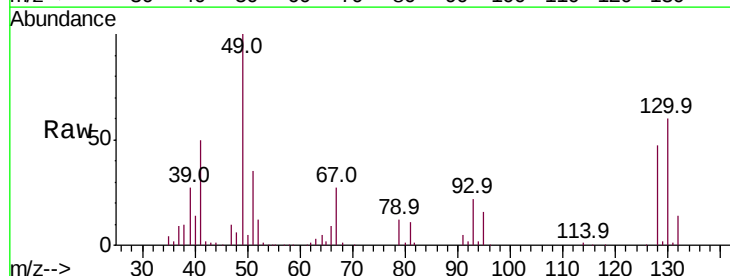
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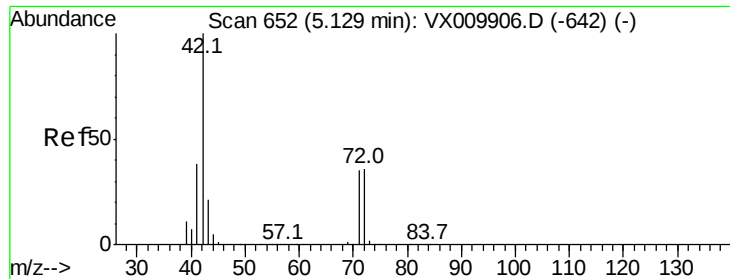


#28

Bromochloromethane
 Concen: 54.711 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	61.8	49.4	74.2





#29

Tetrahydrofuran

Concen: 263.005 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

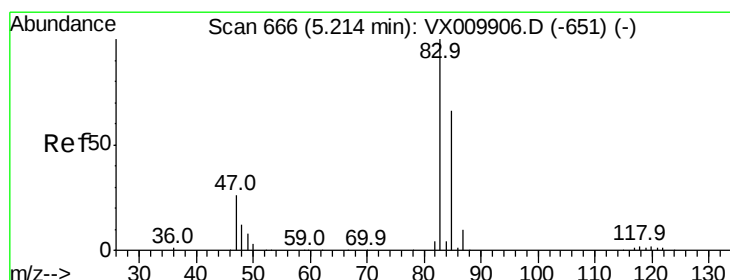
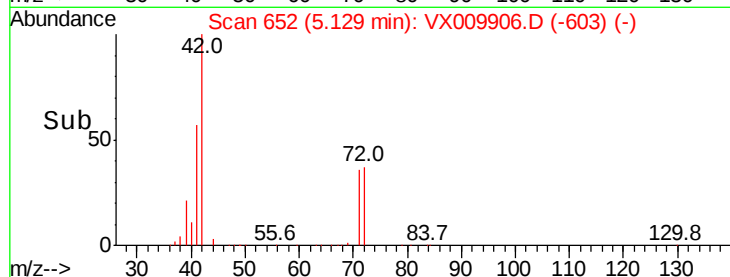
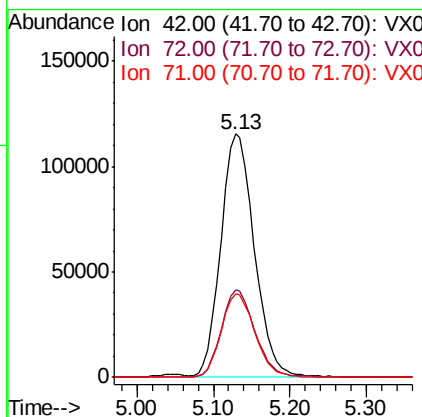
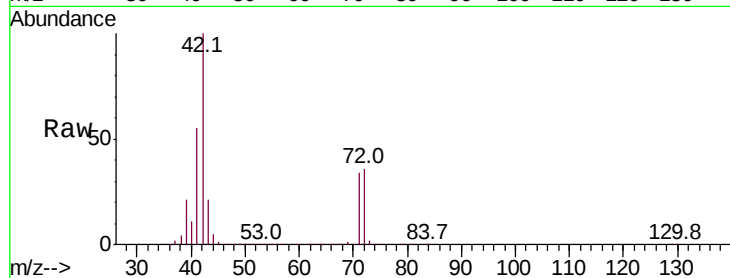
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	349097
Ion Ratio	Lower	Upper	
42	100		
72	36.5	29.2	43.8
71	34.5	27.6	41.4

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#30

Chloroform

Concen: 49.864 ug/l

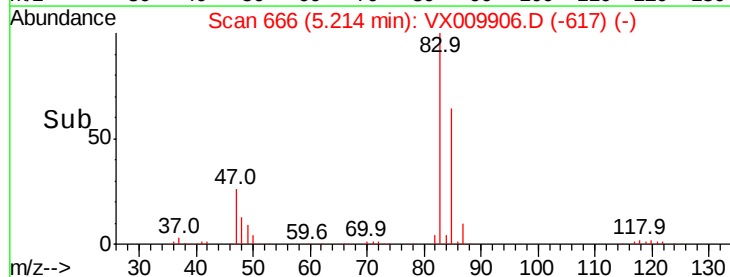
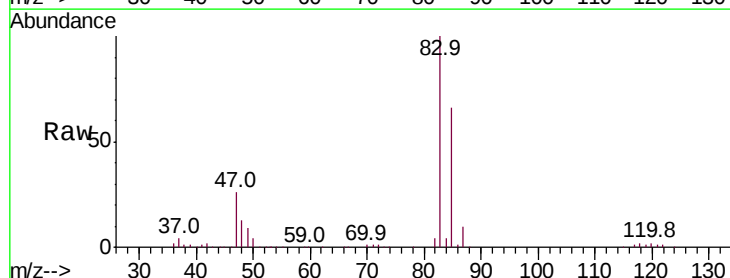
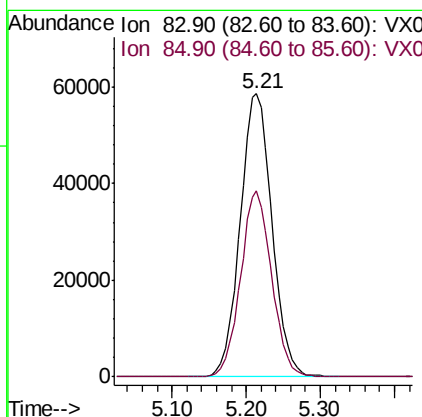
RT: 5.21 min Scan# 666

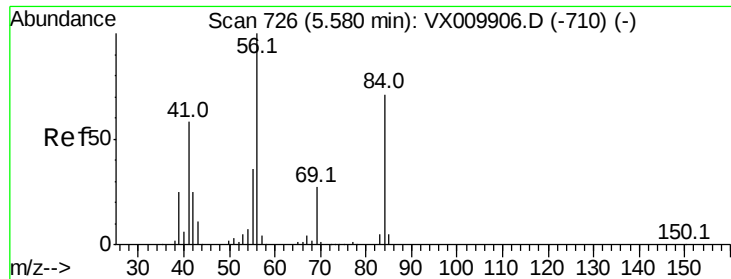
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	83	Resp:	175901
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.6	78.8





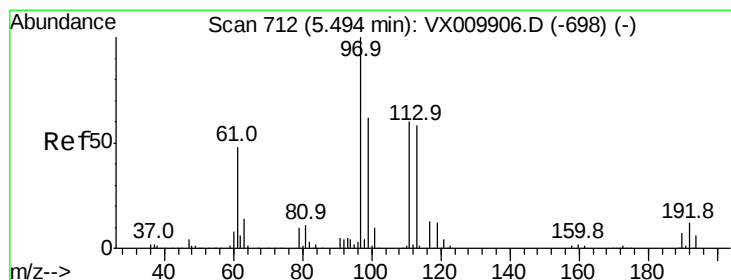
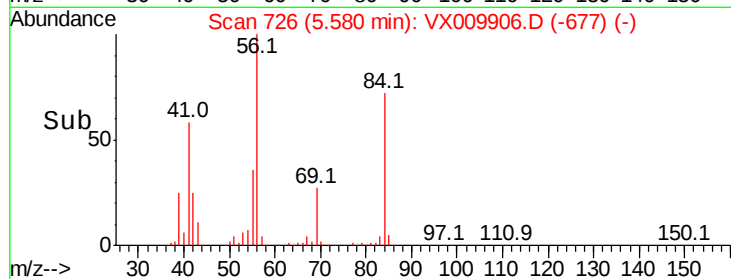
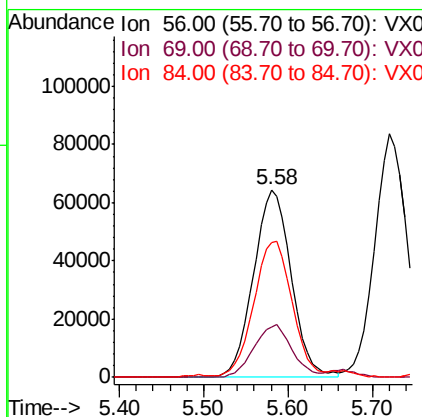
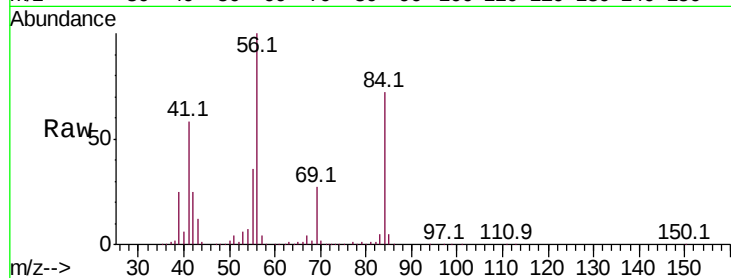
#31
Cyclohexane
Concen: 53.863 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	21.6	32.4
84	71.0	56.8	85.2

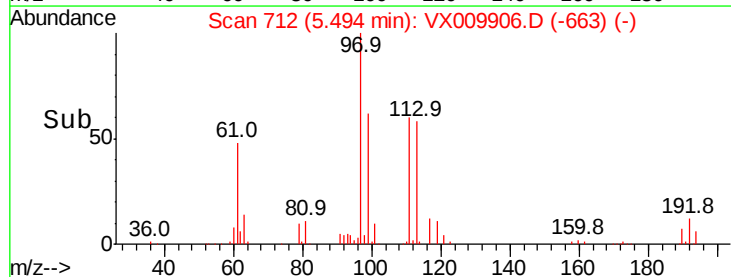
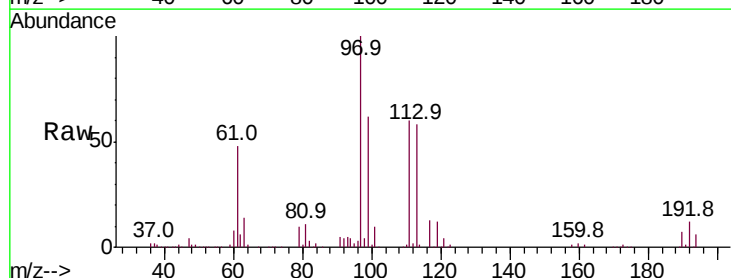
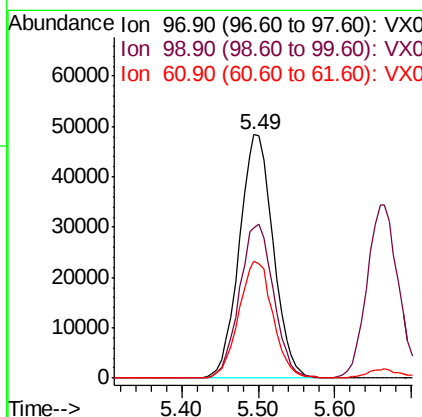
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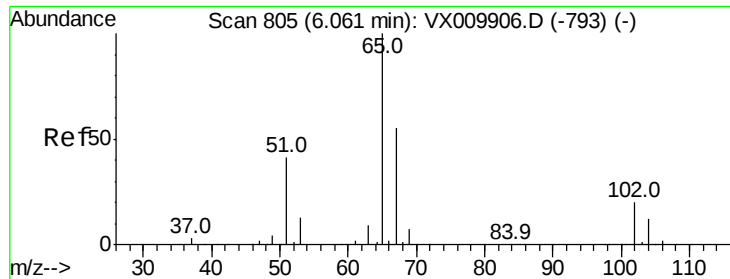
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#32
1,1,1-Trichloroethane
Concen: 50.674 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.4	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 48.541 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

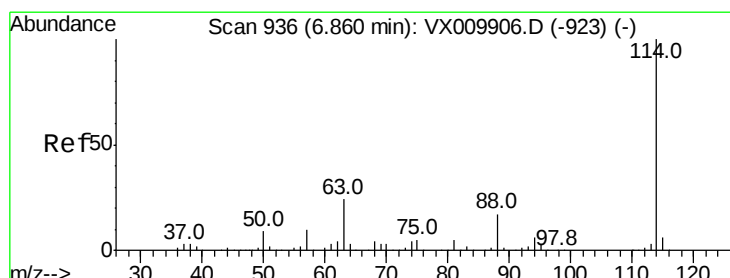
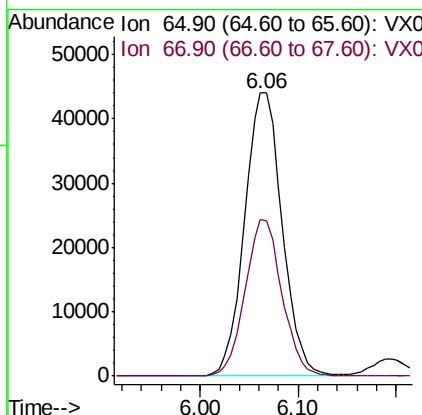
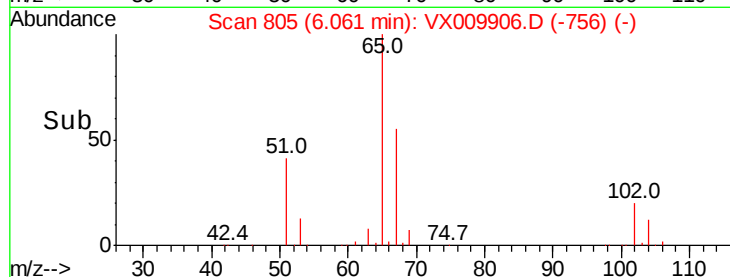
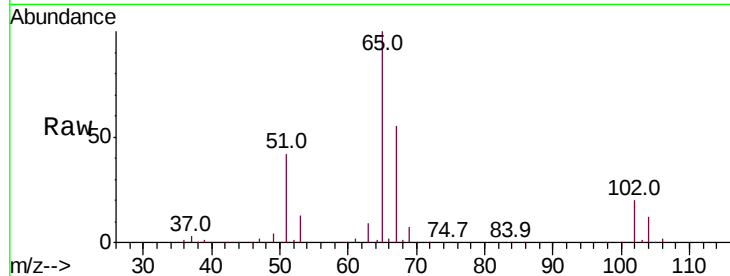
Instrument :
MSVOA_X

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

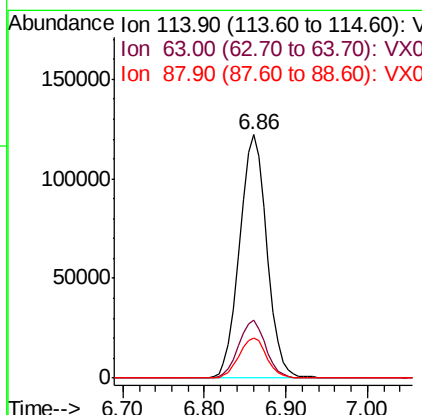
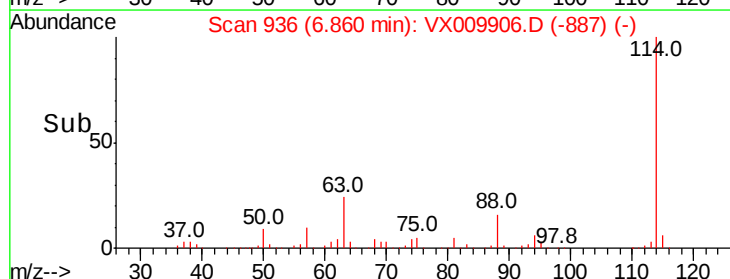
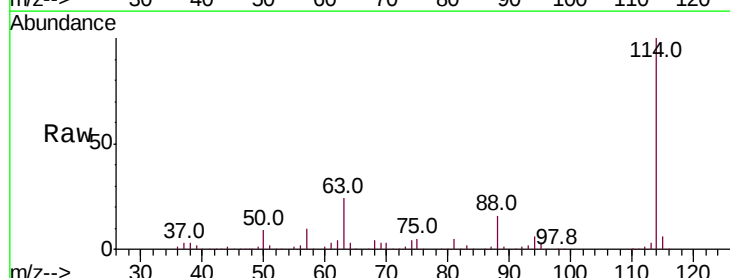
RT: 6.86 min Scan# 936

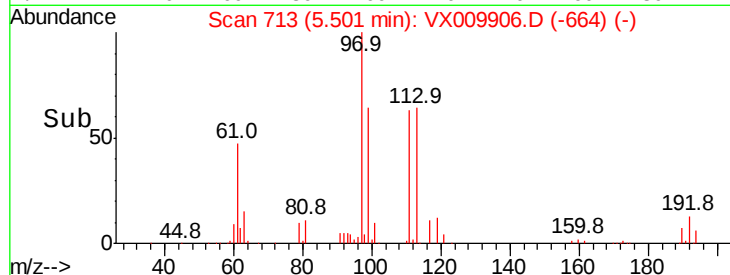
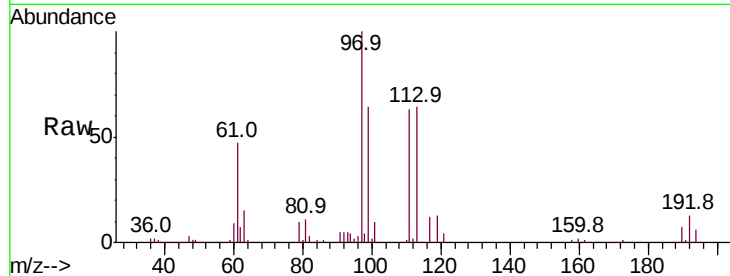
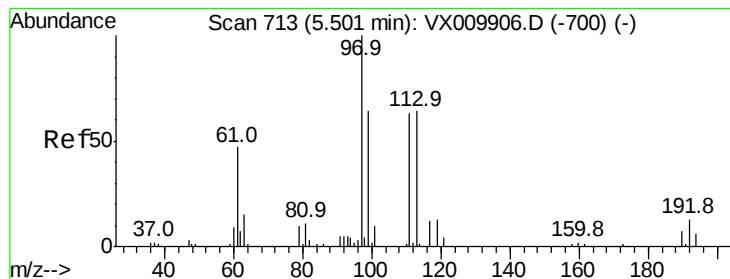
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	47.4
88	16.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 48.603 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tot Ion:	113	Resp:	85787
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	21.4	17.1	25.7

Instrument :

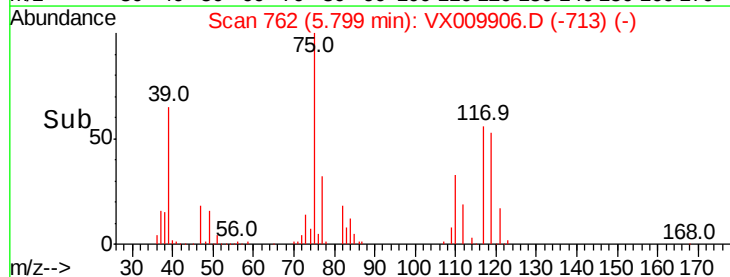
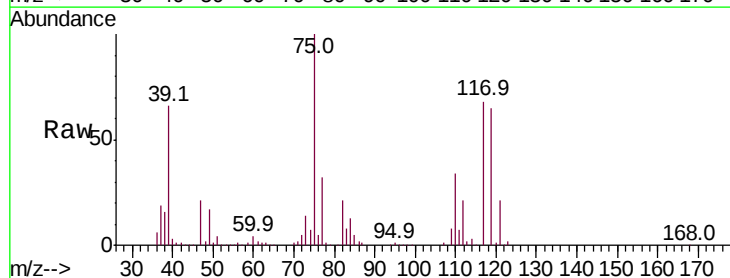
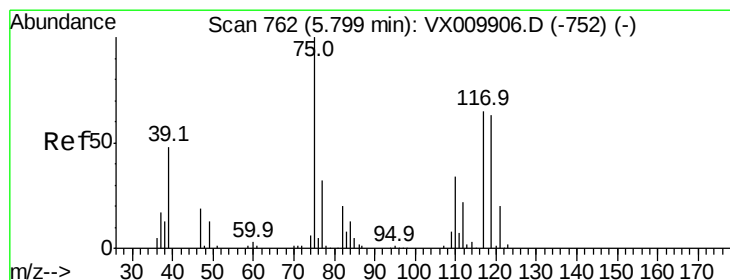
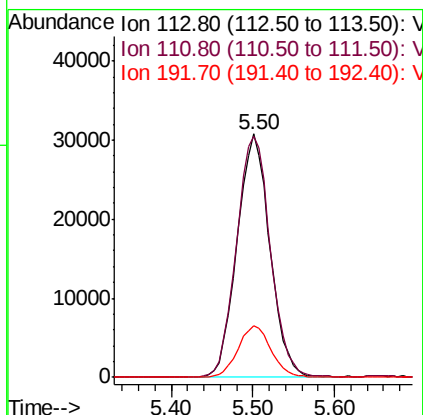
MSVOA_X

ClientSampleId :

VSTDICCC050

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#36

1,1-Dichloropropene

Concen: 51.725 ug/l

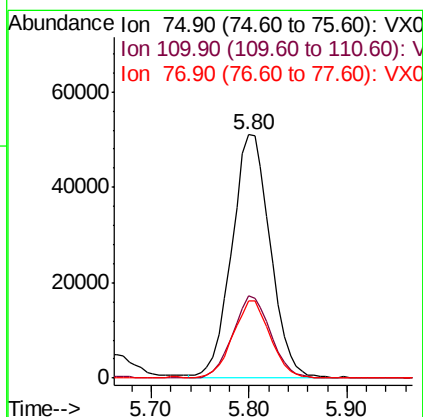
RT: 5.80 min Scan# 762

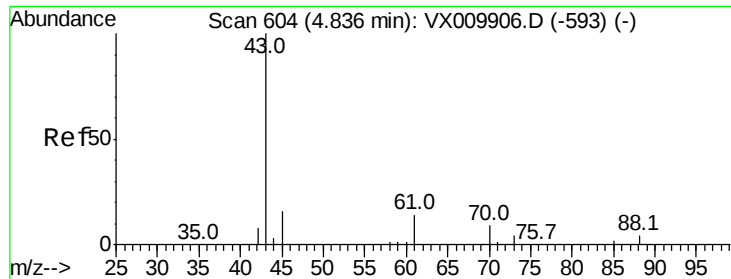
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	75	Resp:	137845
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	31.2	25.0	37.4





#37

Ethyl Acetate

Concen: 53.538 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

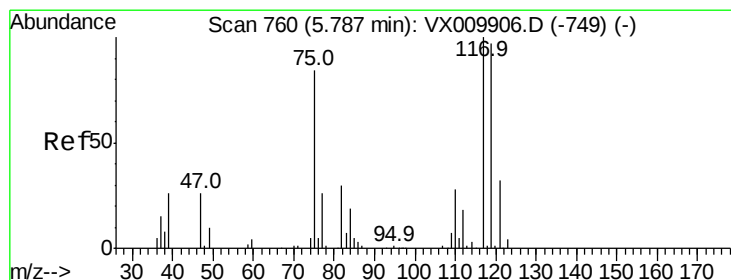
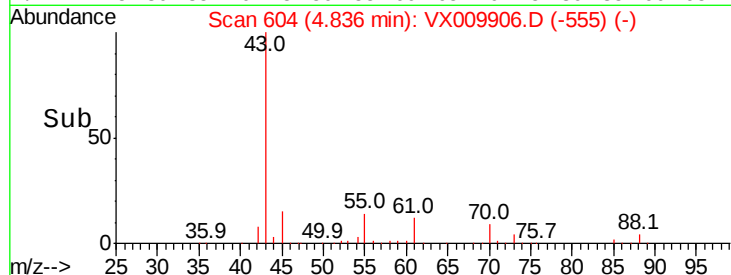
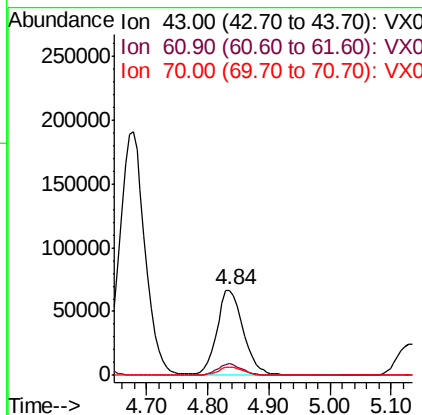
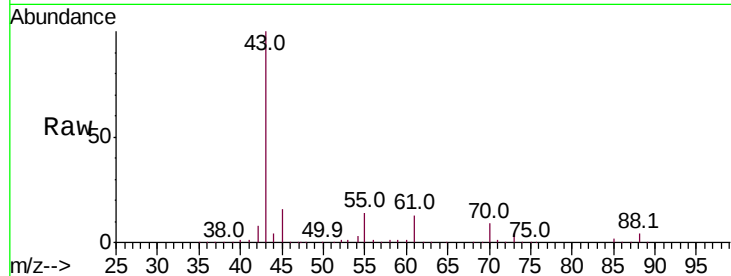
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	200090
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.3	7.4	11.2

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#38

Carbon Tetrachloride

Concen: 51.864 ug/l

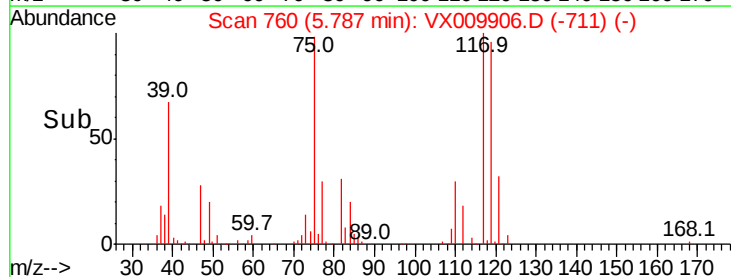
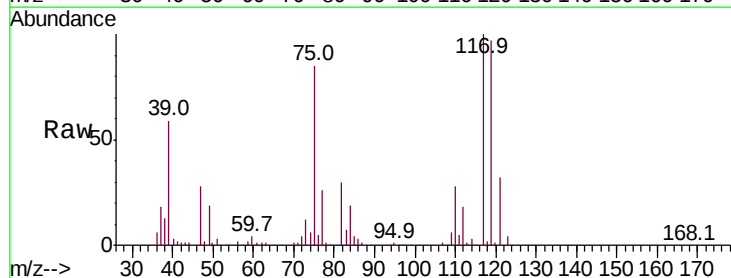
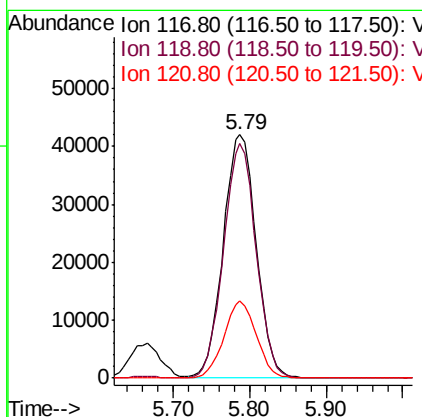
RT: 5.79 min Scan# 760

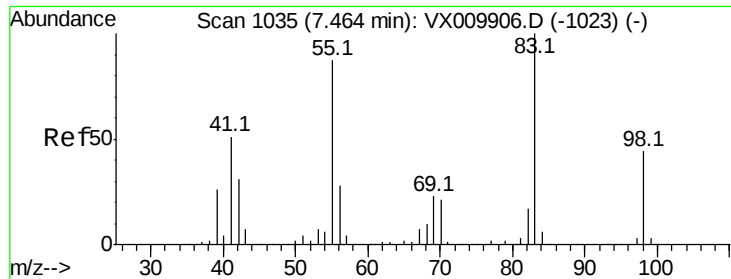
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	117	Resp:	125507
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
121	31.7	25.4	38.0





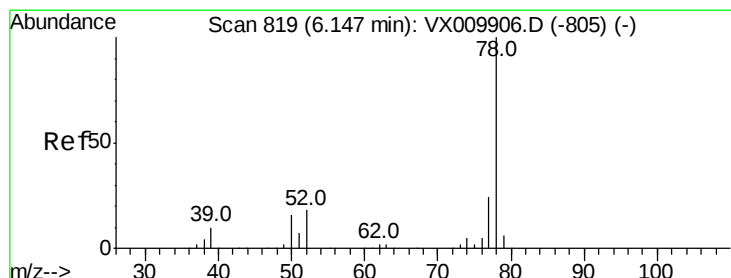
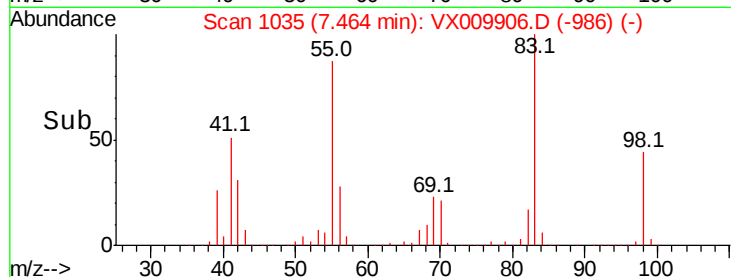
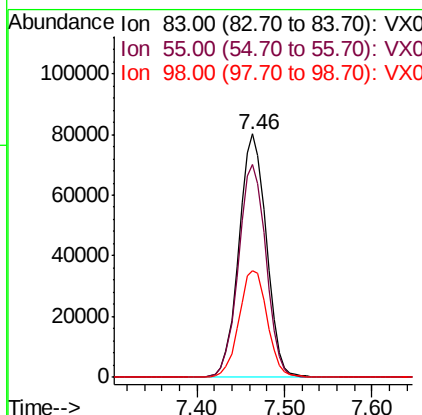
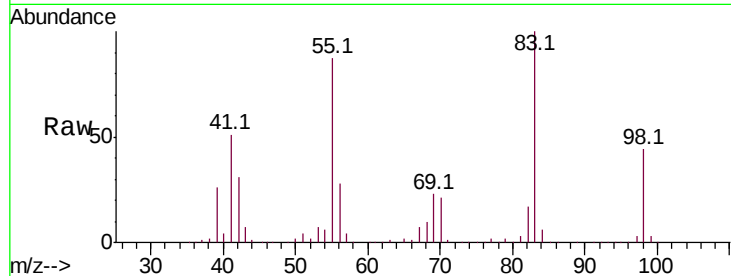
#39
Methvlcvclohexane
Concen: 53.302 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	69.9	104.9
98	43.9	35.1	52.7

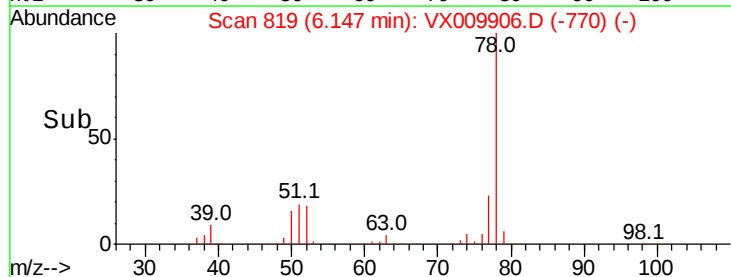
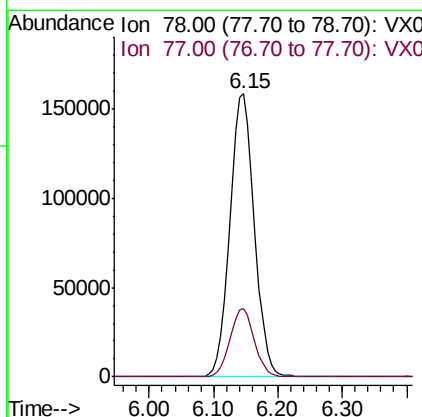
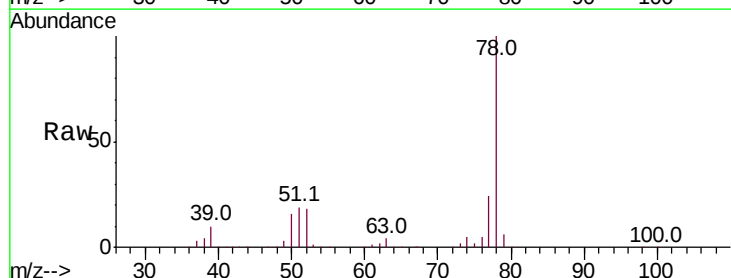
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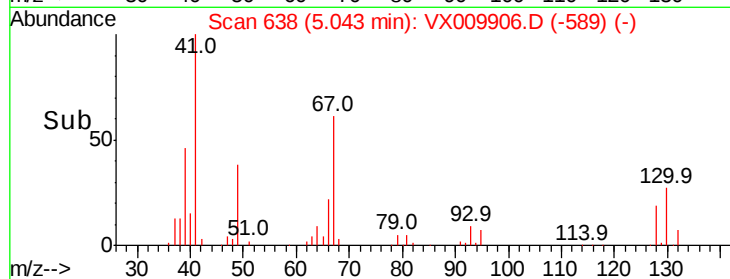
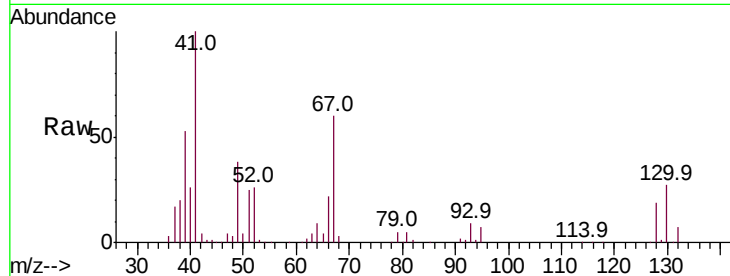
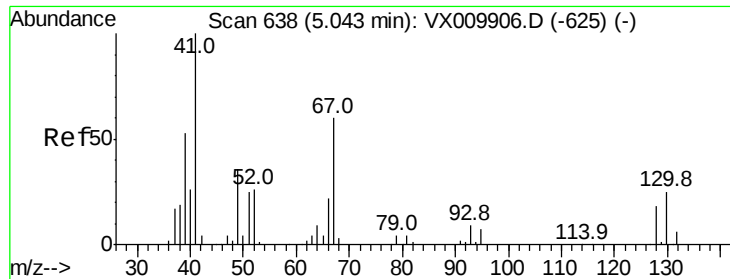
MMDadoda
5/29/2019 9:24:50 AM



#40
Benzene
Concen: 51.266 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





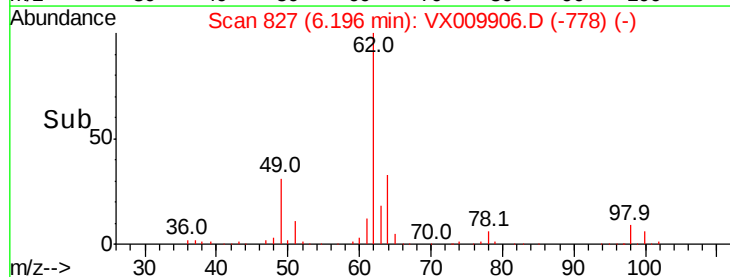
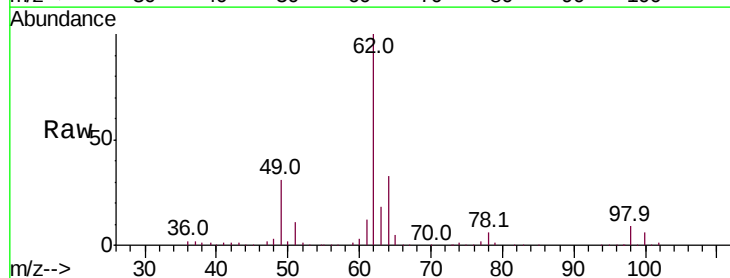
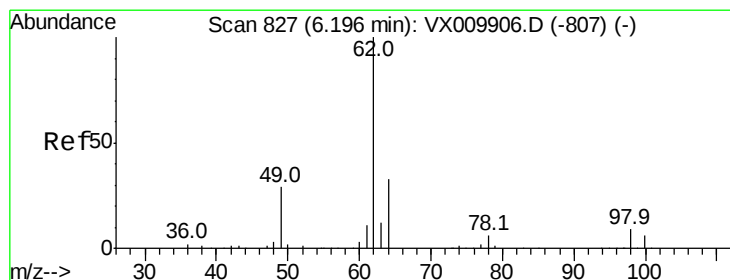
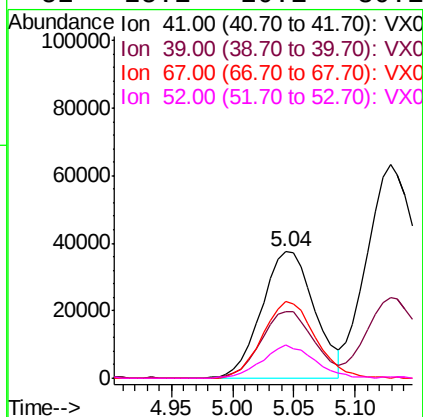
#41
Methacrylonitrile
Concen: 50.846 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.2	63.4
67	61.1	48.9	73.3
52	25.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

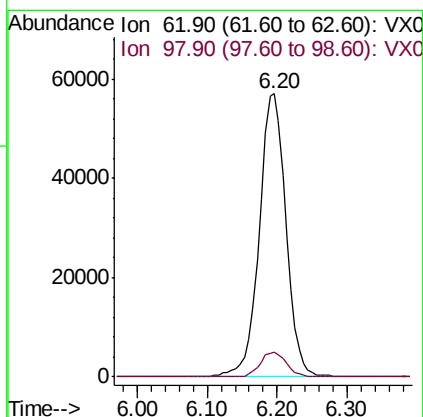
Manual Integrations
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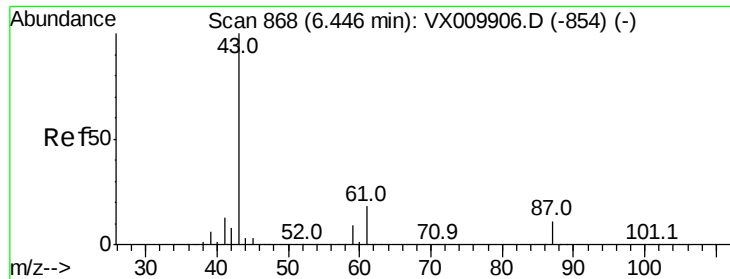
MMDadoda
5/29/2019 9:24:50 AM



#42
1,2-Dichloroethane
Concen: 51.224 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

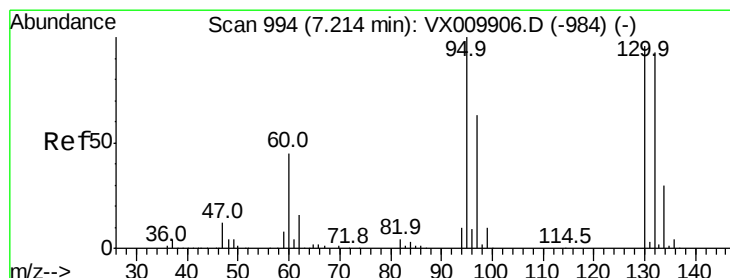
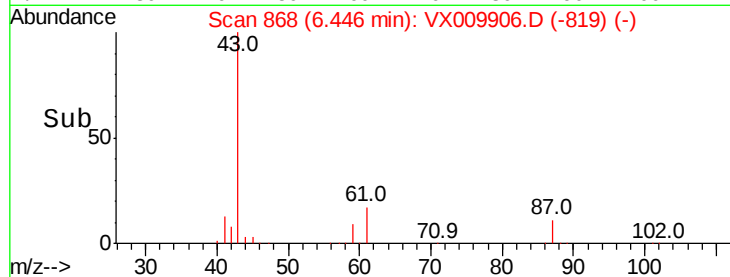
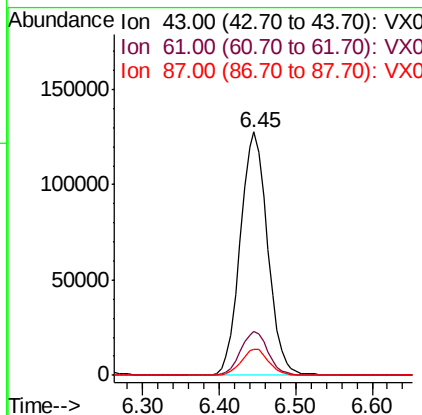
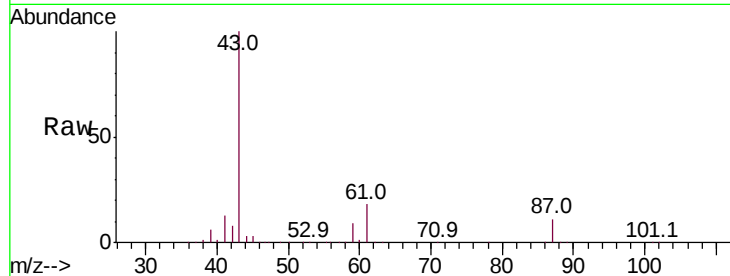
Isopropyl Acetate
 Concen: 52.946 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.6	21.8
87	10.9	8.7	13.1

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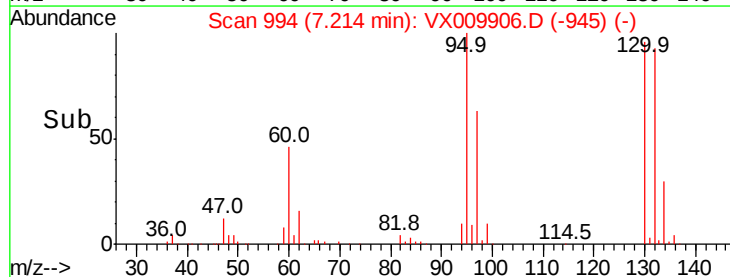
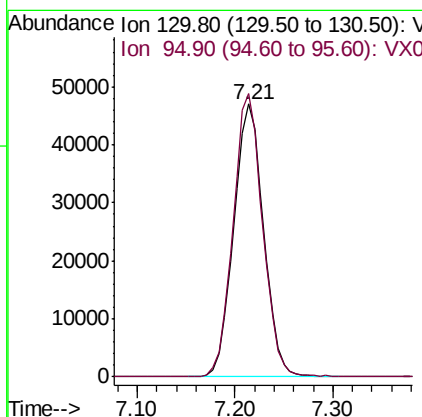
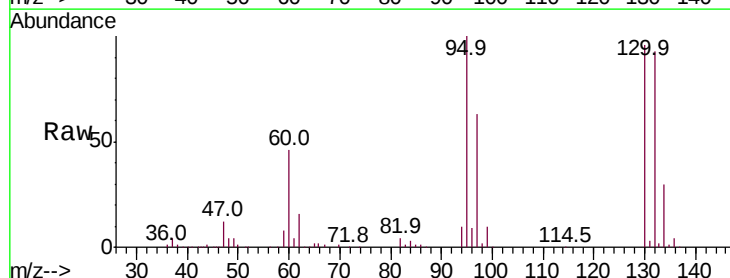
MMDadoda
 5/29/2019 9:24:50 AM

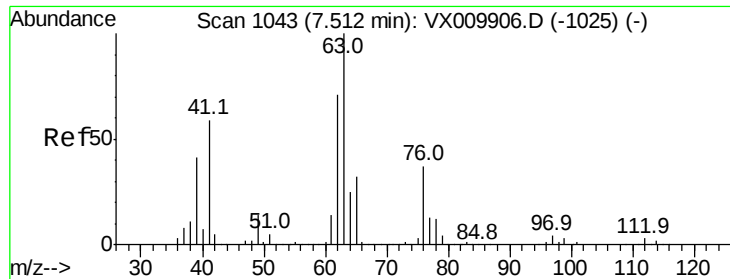


#44

Trichloroethene
 Concen: 50.147 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	207.4





#45

1,2-Dichloropropane

Concen: 51.368 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 119641

Ion Ratio Lower Upper

63 100

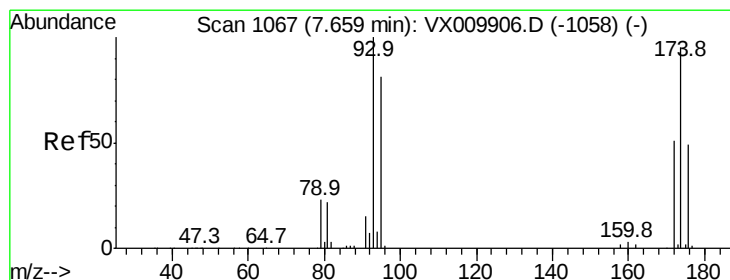
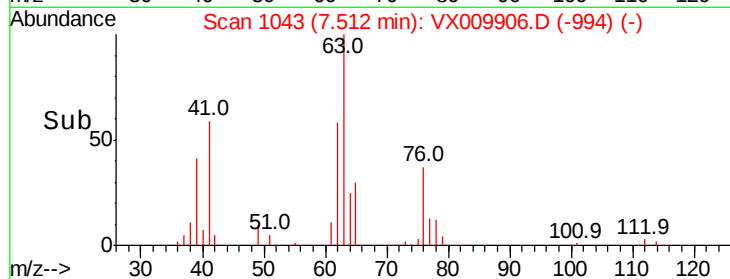
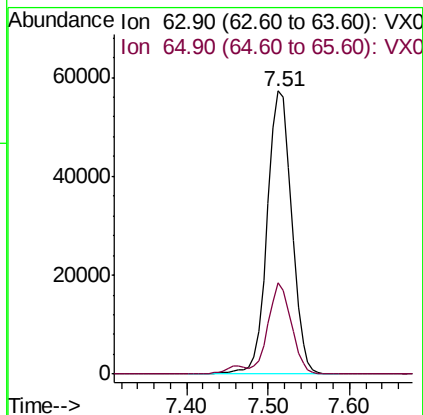
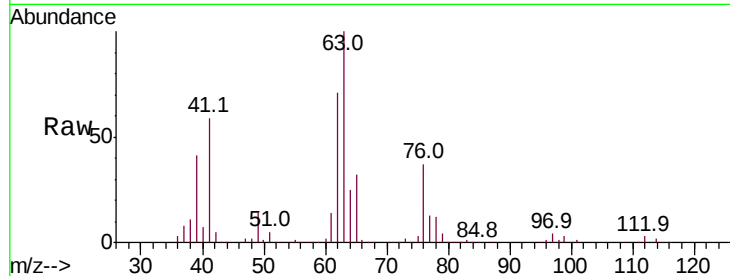
65 32.1 25.7 38.5

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#46

Dibromomethane

Concen: 50.164 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

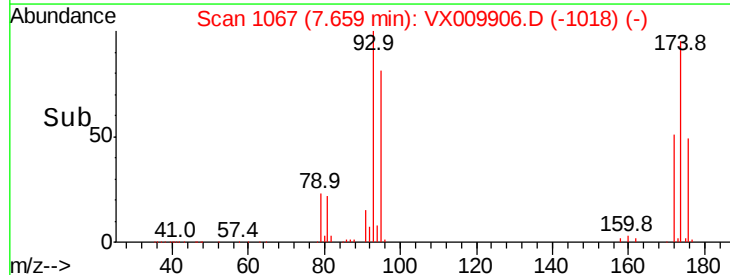
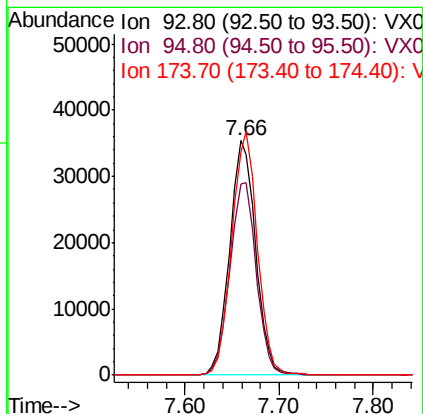
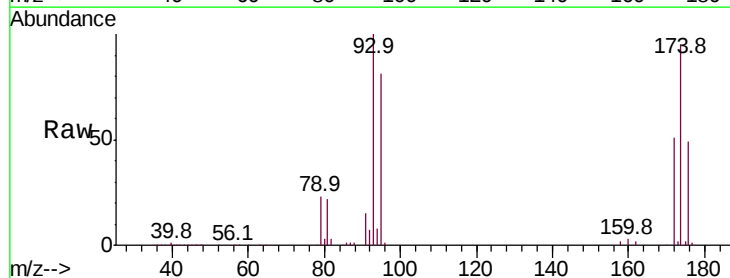
Tgt Ion: 93 Resp: 67813

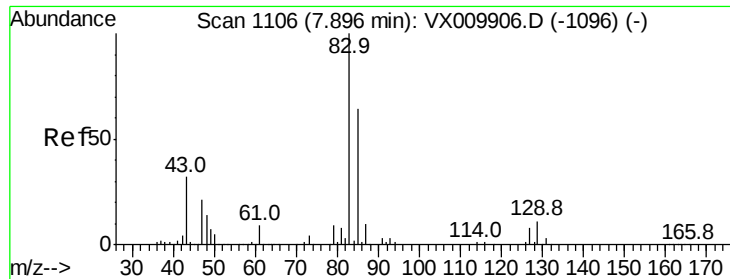
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 102.4 81.9 122.9





#47

Bromodichloromethane

Concen: 50.772 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

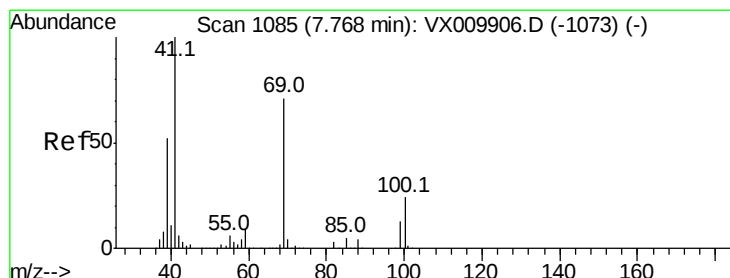
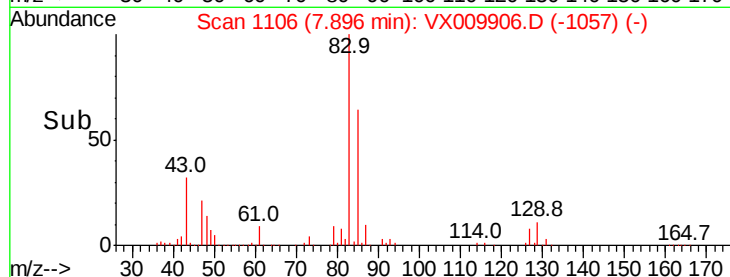
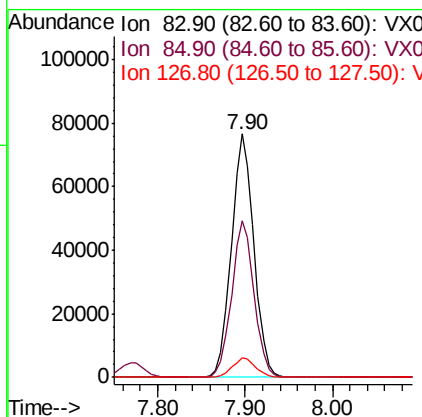
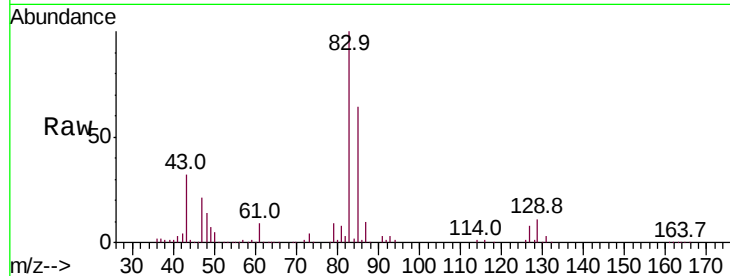
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	136658
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.4	77.2
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.031 ug/l

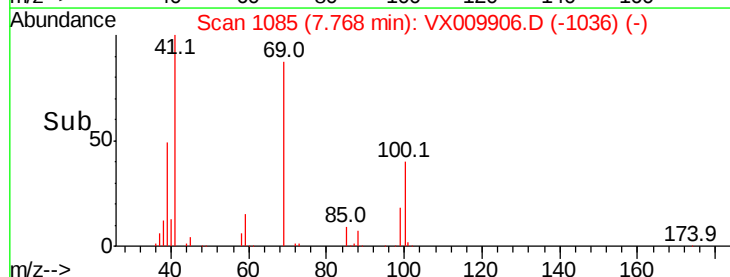
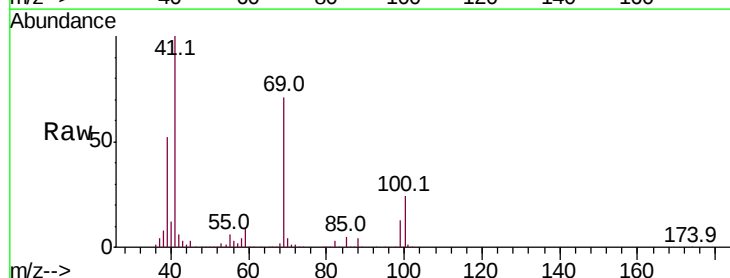
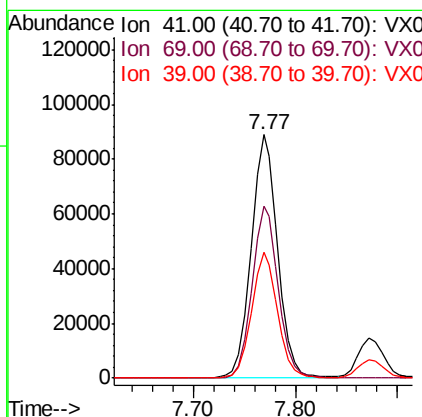
RT: 7.77 min Scan# 1085

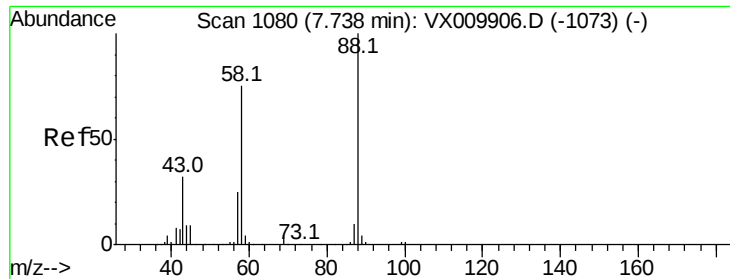
Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	41	Resp:	160246
Ion Ratio	Lower	Upper	
41	100		
69	70.5	56.4	84.6
39	50.7	40.6	60.8





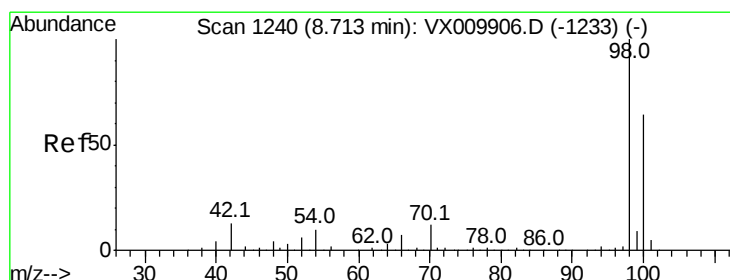
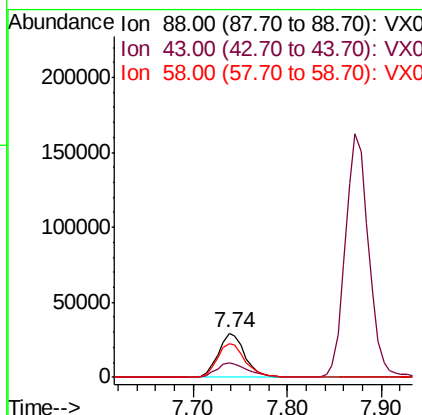
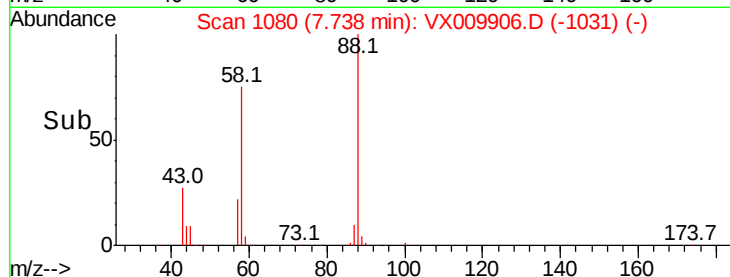
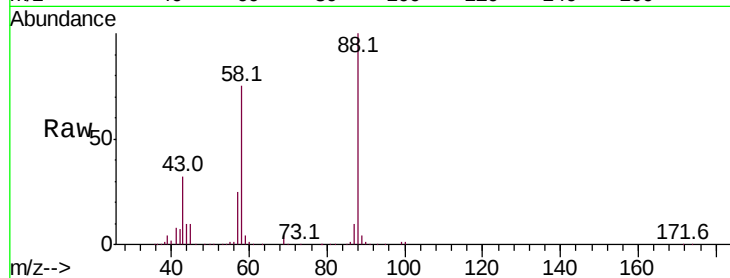
#49
1,4-Dioxane
Concen: 979.450 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.2	45.4
58	80.0	64.0	96.0

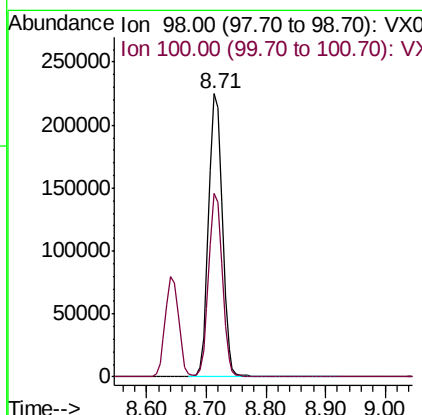
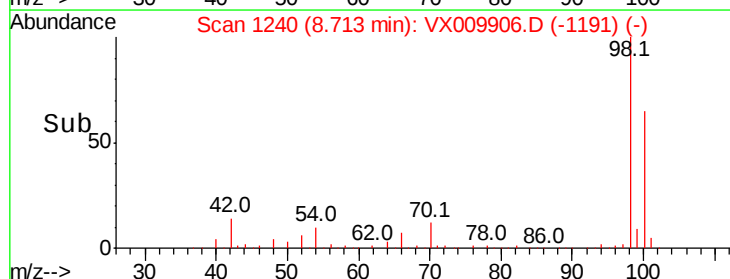
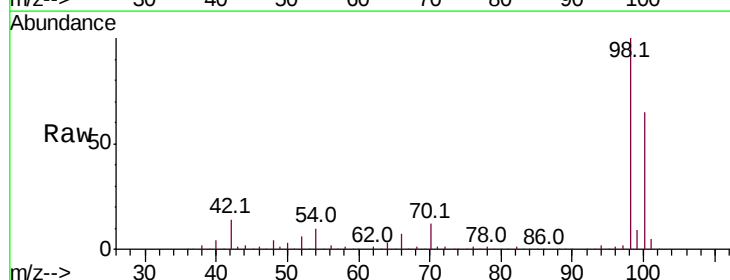
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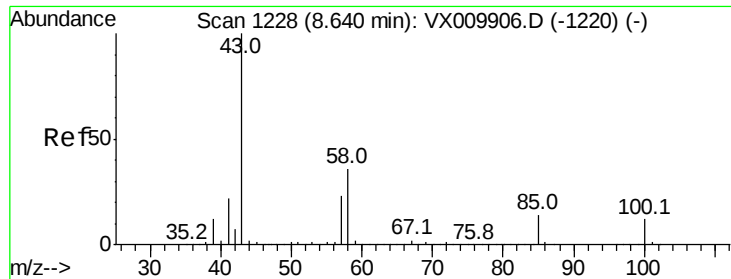
MMDadoda
5/29/2019 9:24:50 AM



#50
Toluene-d8
Concen: 49.880 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 267.862 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1045713

Ion Ratio Lower Upper

43 100

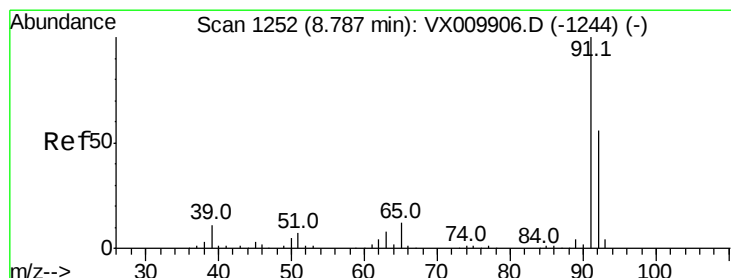
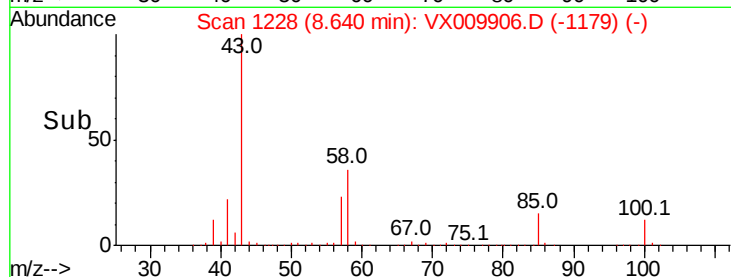
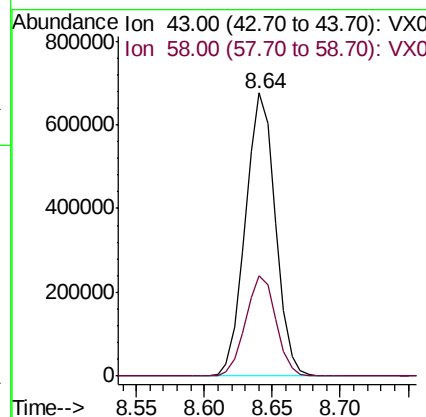
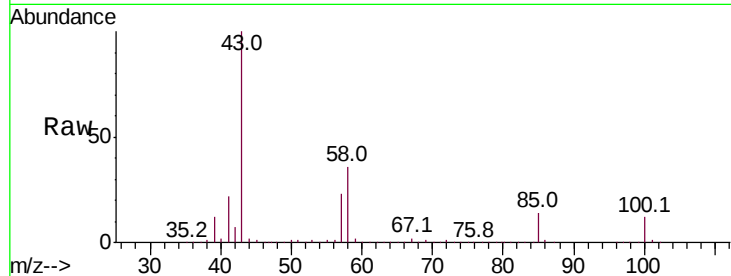
58 36.0 28.8 43.2

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5/29/2019 9:24:50 AM



#52

Toluene

Concen: 51.270 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009906.D

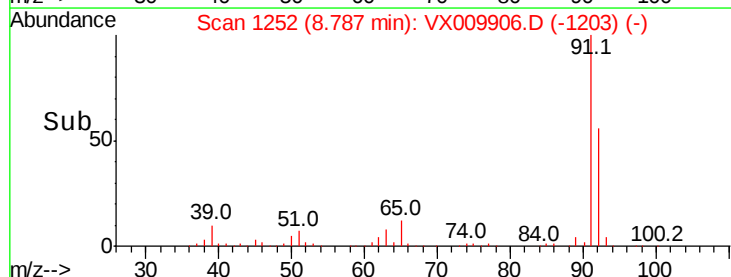
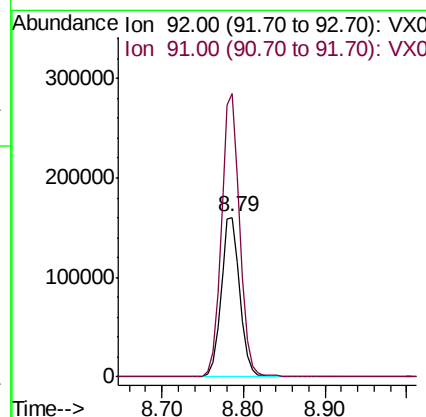
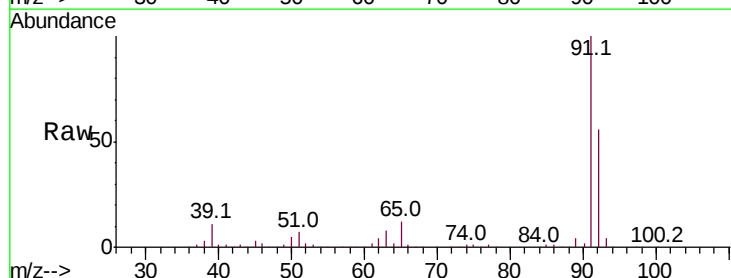
Acq: 28 May 2019 11:07

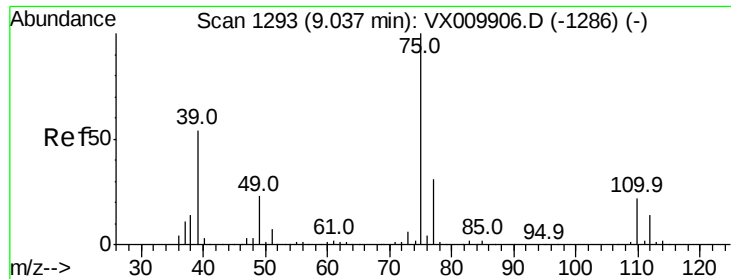
Tgt Ion: 92 Resp: 256471

Ion Ratio Lower Upper

92 100

91 174.9 139.9 209.9





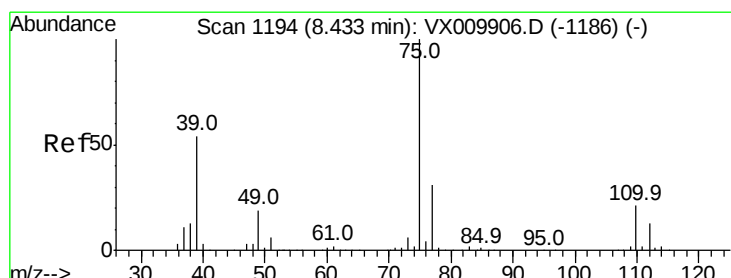
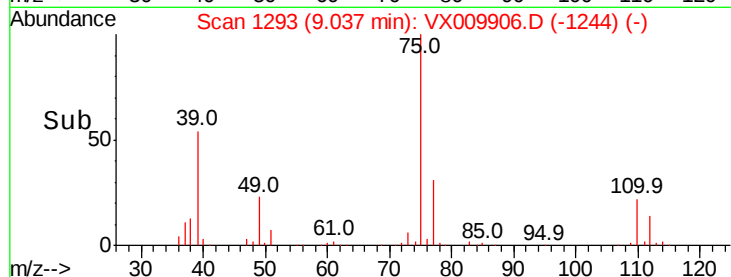
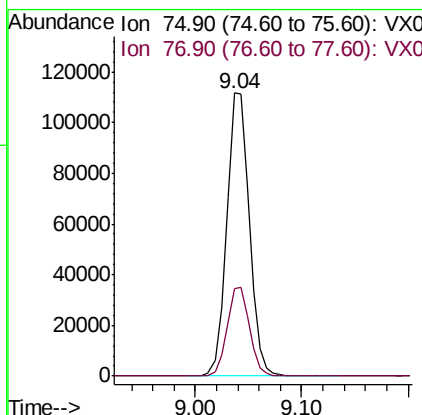
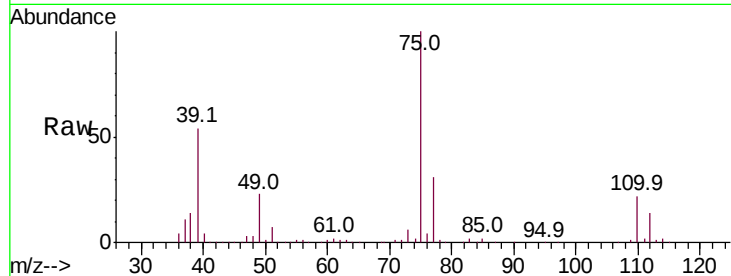
#53
t-1,3-Dichloropropene
Concen: 54.221 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 166082
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8

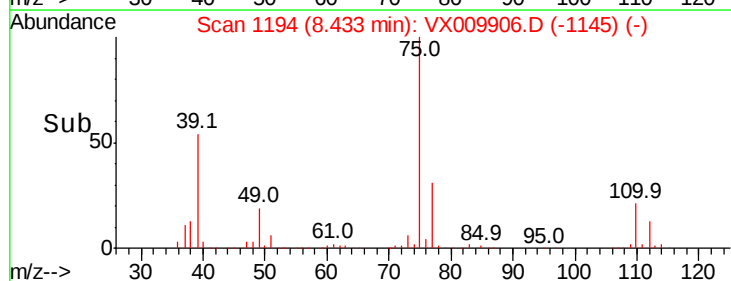
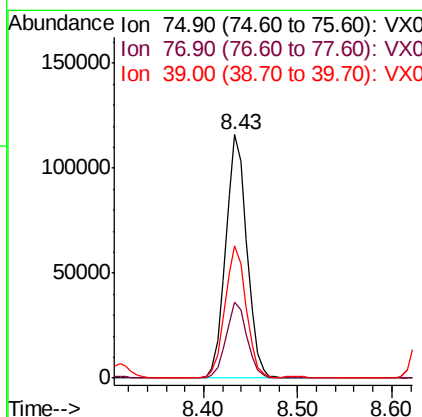
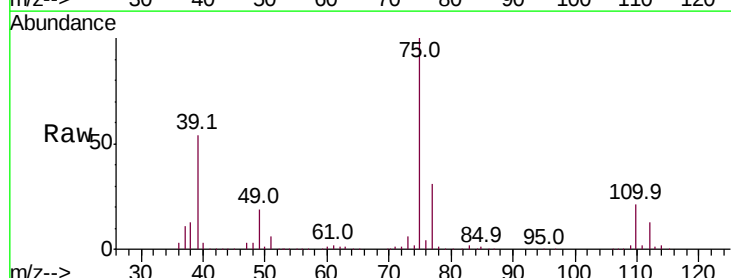
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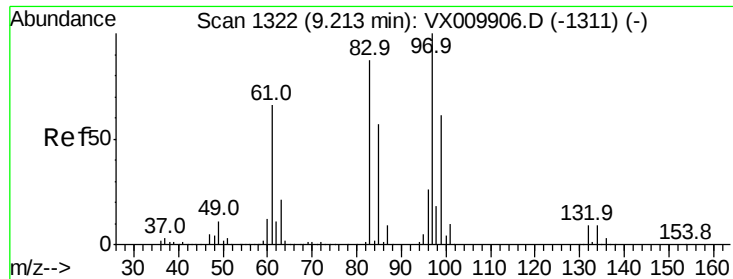
MMDadoda
5/29/2019 9:24:50 AM



#54
cis-1,3-Dichloropropene
Concen: 53.490 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion: 75 Resp: 180650
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 54.2 43.4 65.0





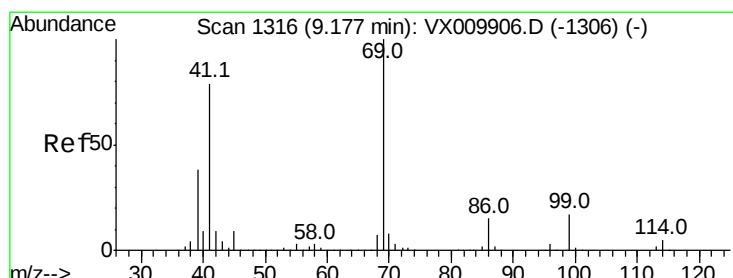
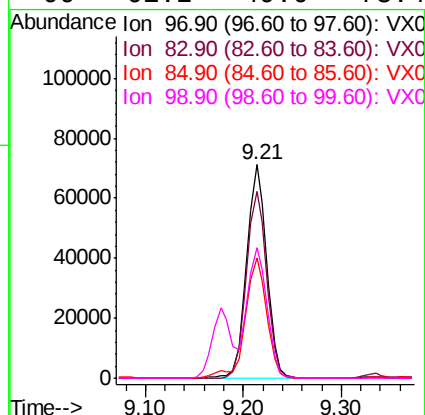
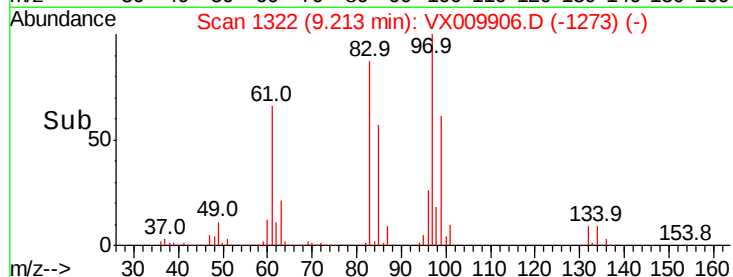
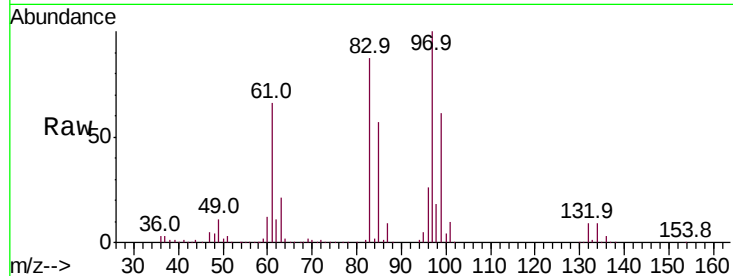
#55
 1,1,2-Trichloroethane
 Concen: 49.946 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		101408		
83	87.3	69.8	104.8		
85	56.6	45.3	67.9		
99	61.2	49.0	73.4		

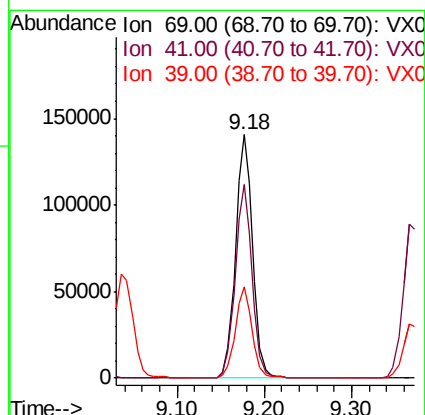
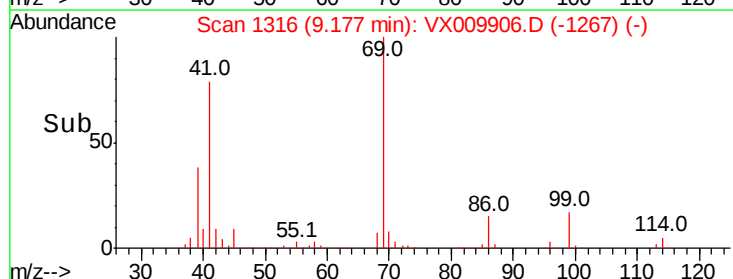
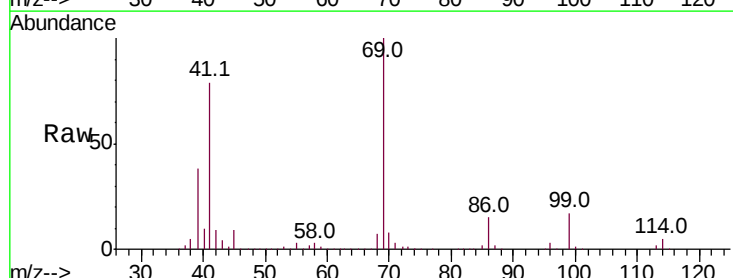
Manual Integrations
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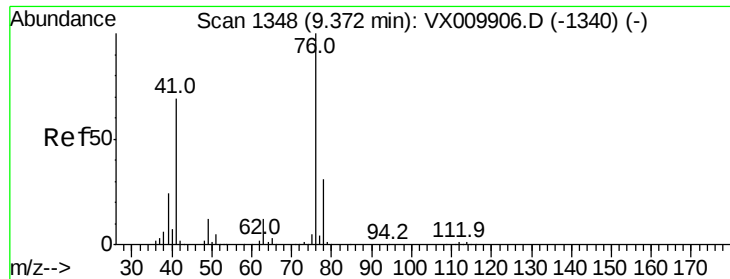
MMDadoda
 5/29/2019 9:24:50 AM



#56
 Ethyl methacrylate
 Concen: 52.931 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		193213		
41	78.4	62.7	94.1		
39	36.9	29.5	44.3		





#57

1,3-Dichloropropane

Concen: 50.626 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 181678

Ion Ratio Lower Upper

76 100

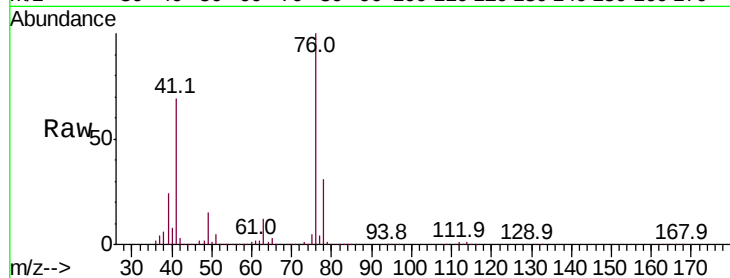
78 31.7 25.4 38.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

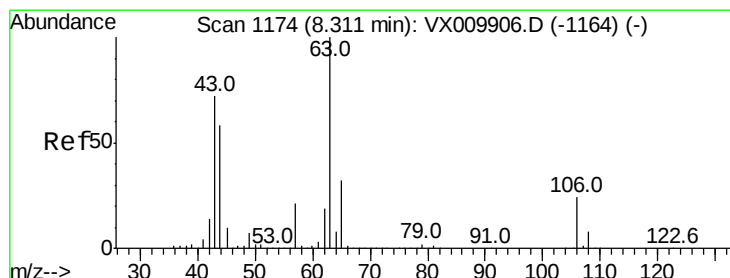
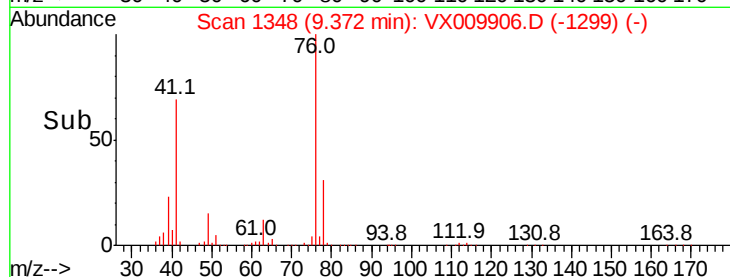
9.37

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 259.643 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009906.D

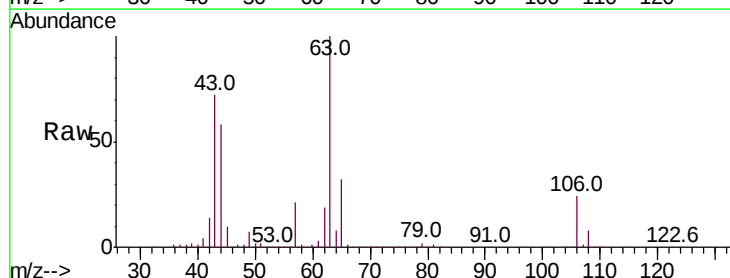
Acq: 28 May 2019 11:07

Tgt Ion: 63 Resp: 497577

Ion Ratio Lower Upper

63 100

106 24.3 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

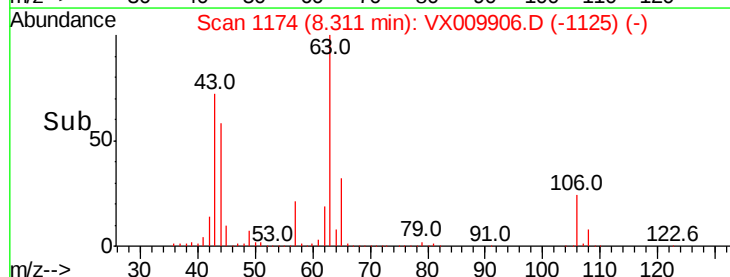
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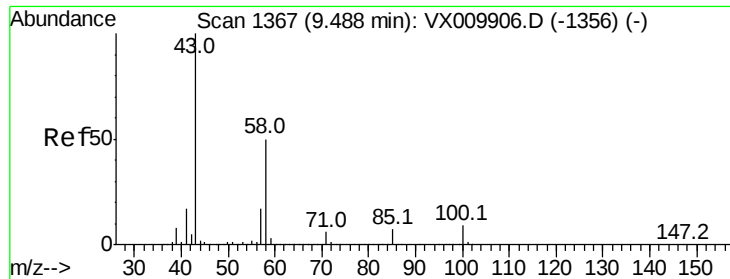
200000

100000

0

Time-->





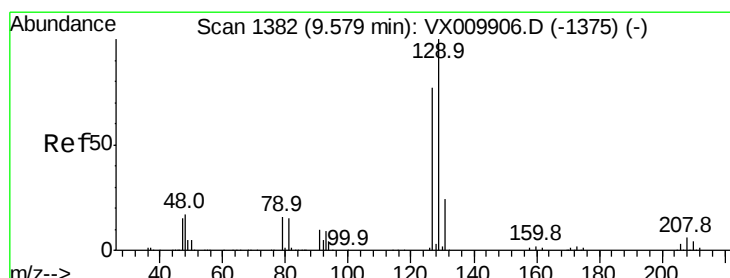
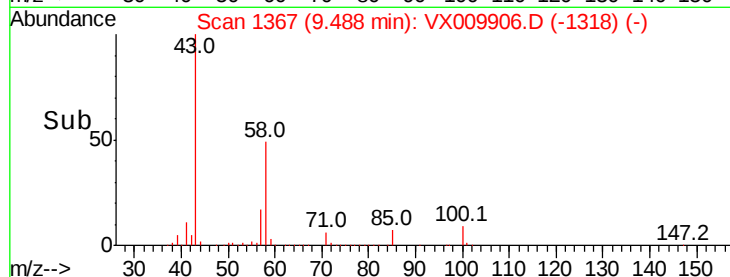
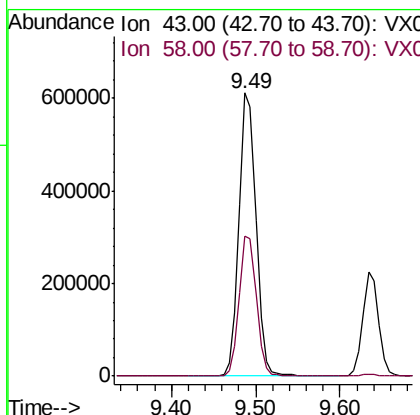
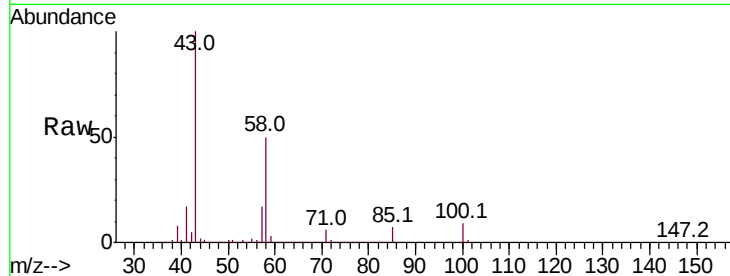
#59
2-Hexanone
Concen: 269.788 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 826444
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.3

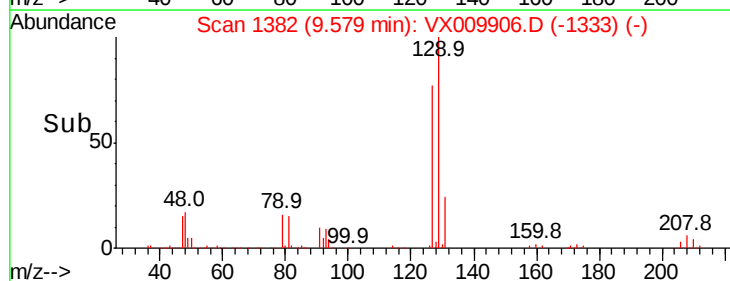
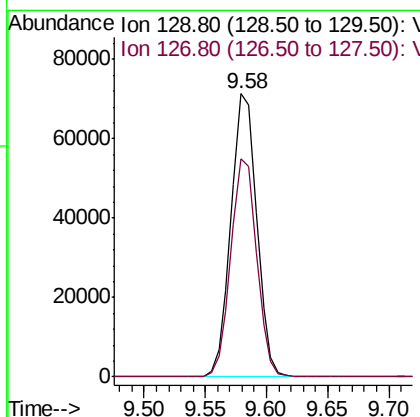
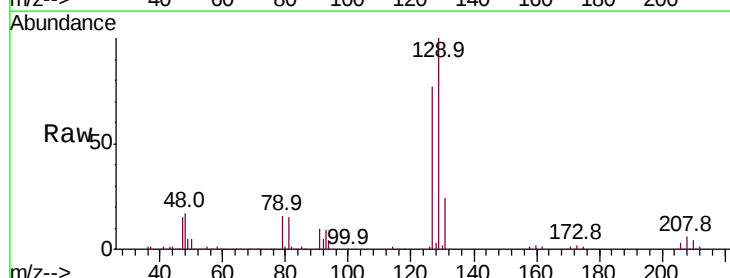
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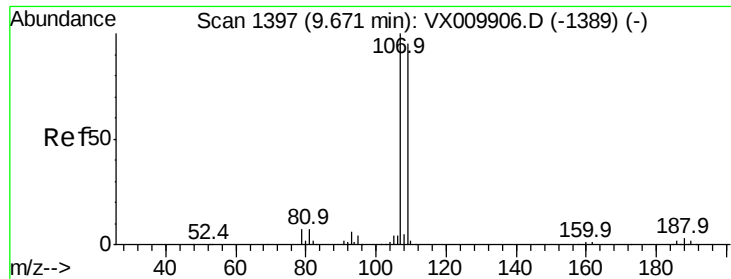
MMDadoda
5/29/2019 9:24:50 AM



#60
Dibromochloromethane
Concen: 52.324 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion: 129 Resp: 104157
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





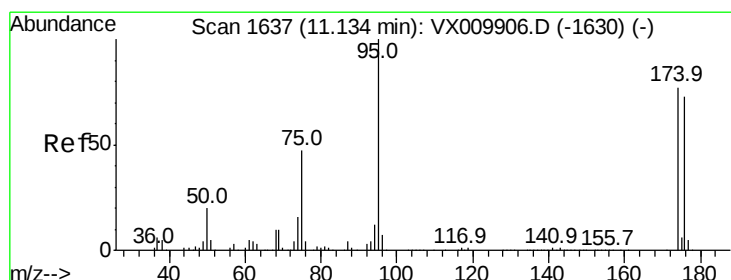
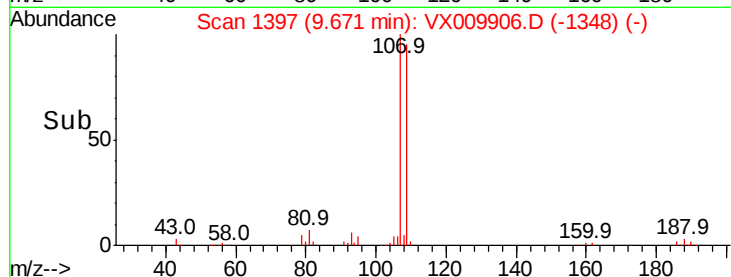
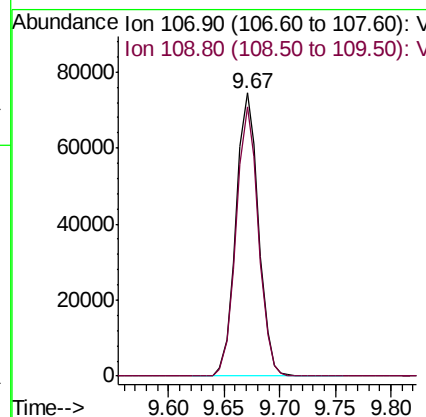
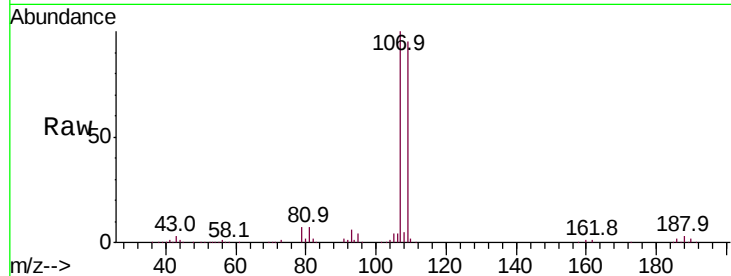
#61
 1,2-Dibromoethane
 Concen: 50.883 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104455		
109	94.3	75.4	113.2	

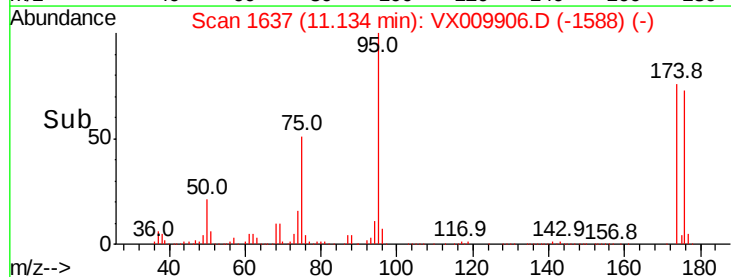
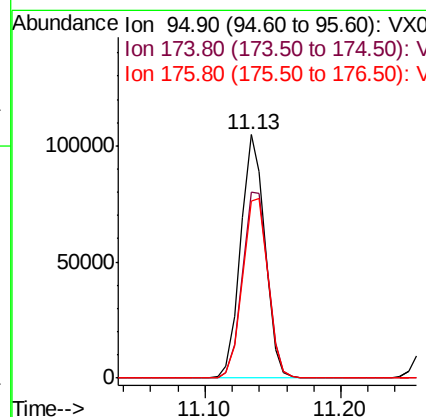
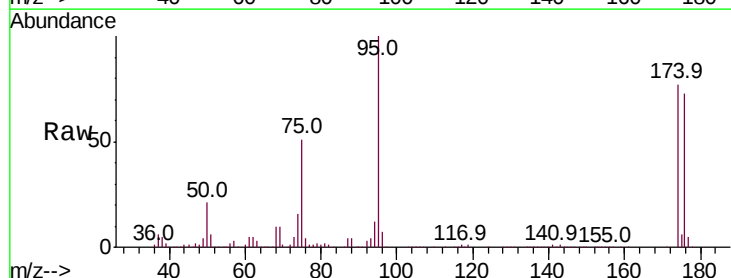
Manual Integrations
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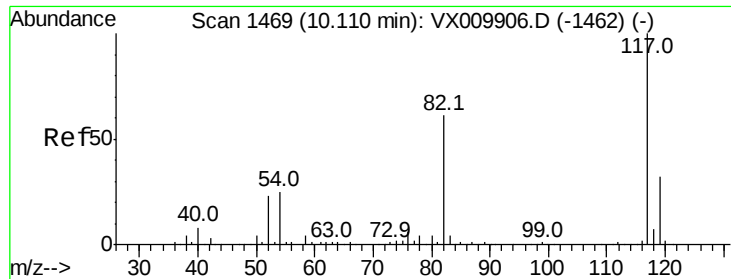
MMDadoda
 5/29/2019 9:24:50 AM



#62
 4-Bromofluorobenzene
 Concen: 50.187 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	130584		
174	80.2	0.0	160.4	
176	77.3	0.0	154.6	





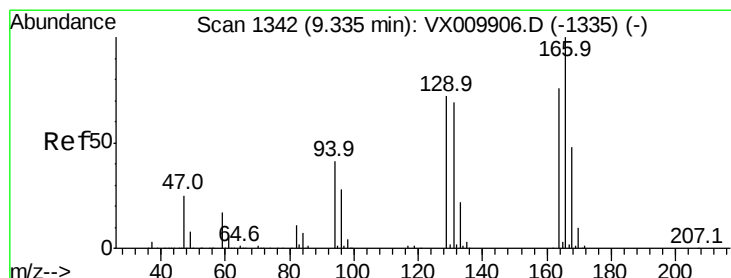
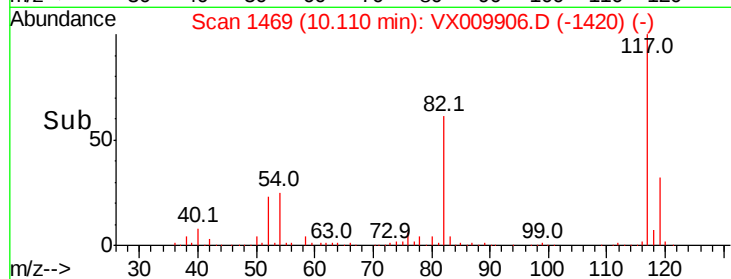
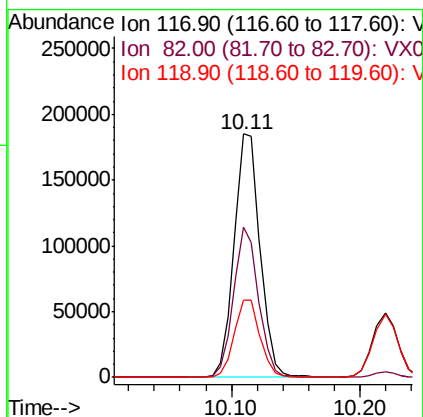
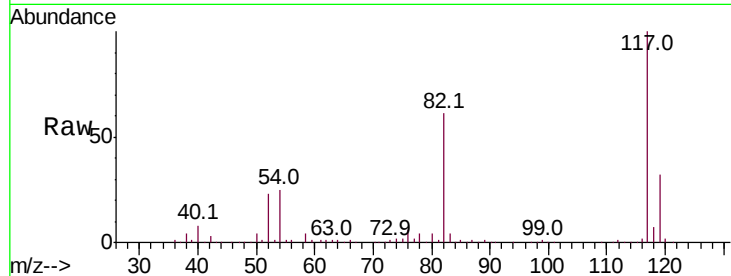
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	31.5	25.2	37.8

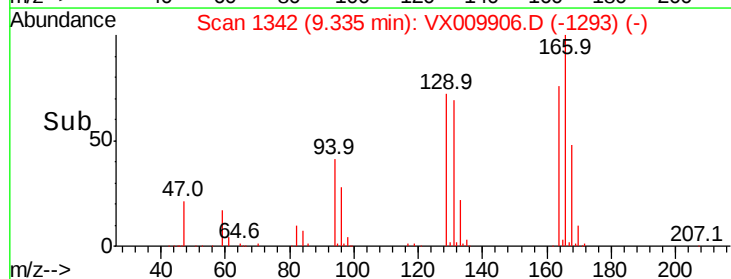
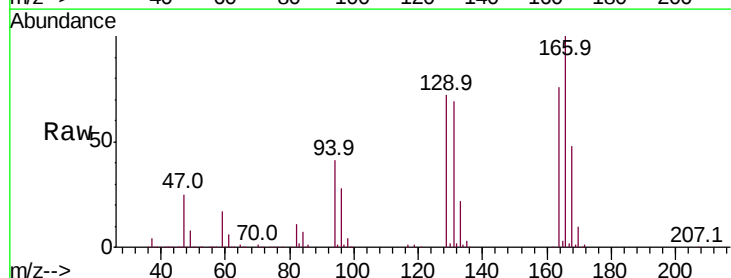
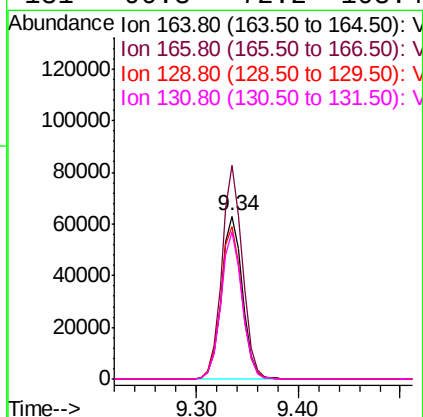
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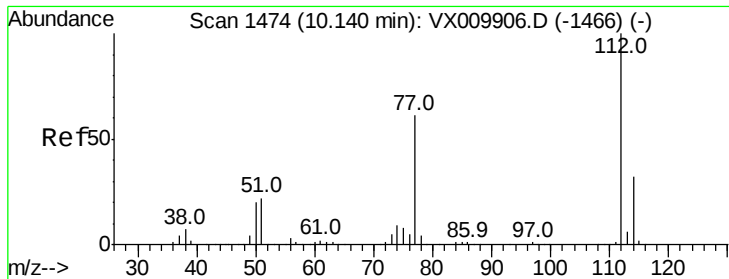
MMDadoda
5/29/2019 9:24:50 AM



#64
Tetrachloroethene
Concen: 50.384 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	105.0	157.4
129	93.9	75.1	112.7
131	90.3	72.2	108.4





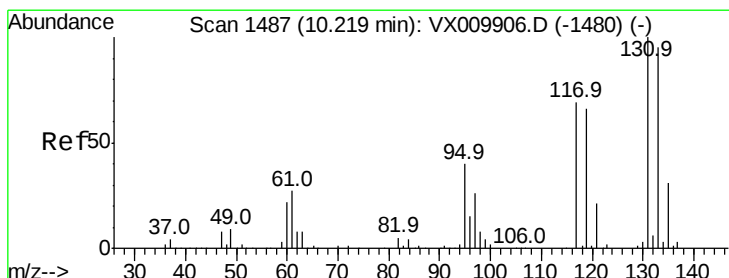
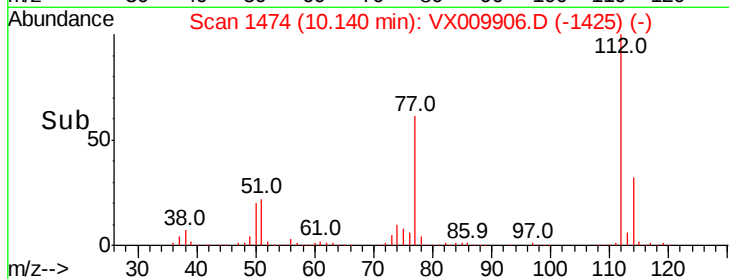
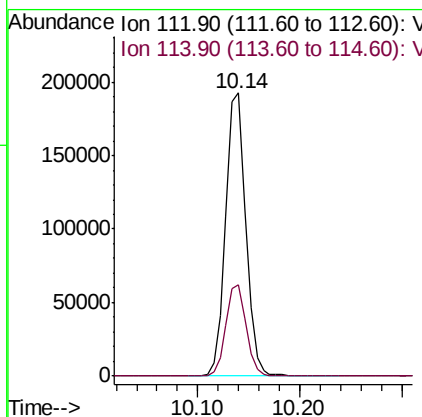
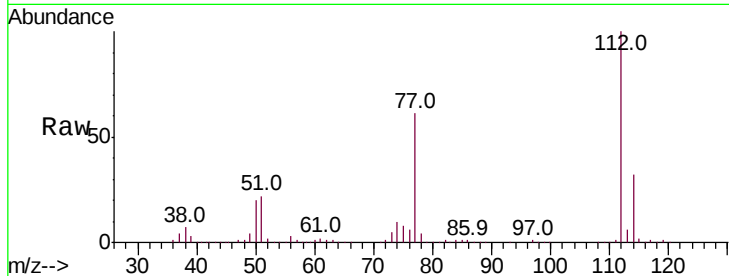
#65
Chlorobenzene
Concen: 50.586 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 264601
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

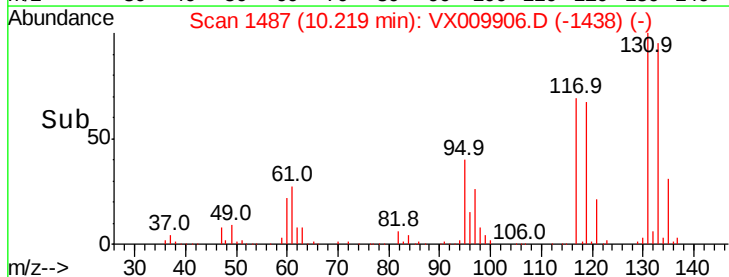
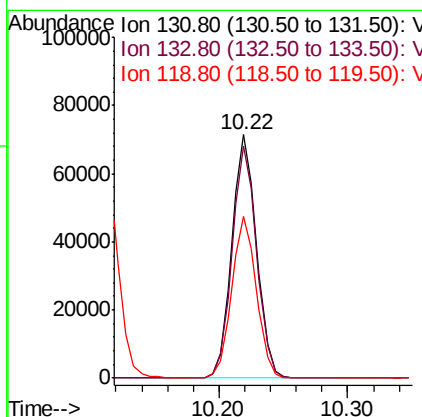
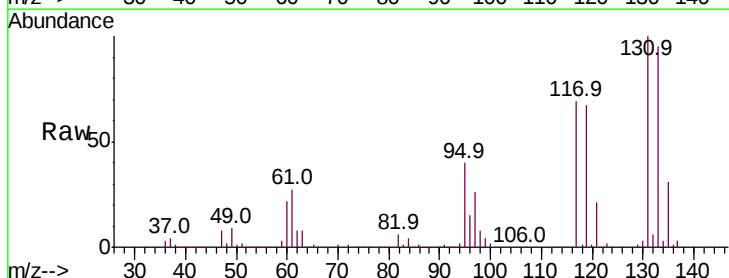
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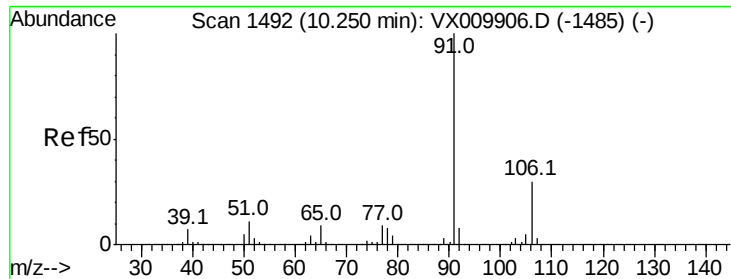
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.297 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion:131 Resp: 95257
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.7 33.4 100.1





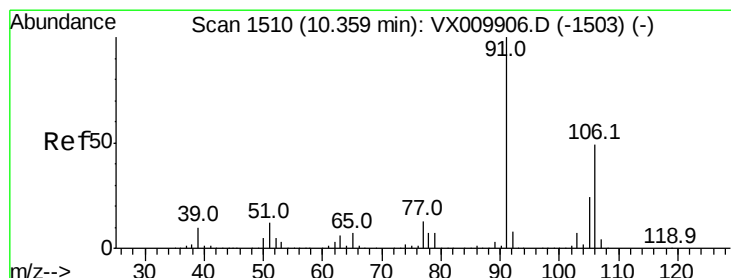
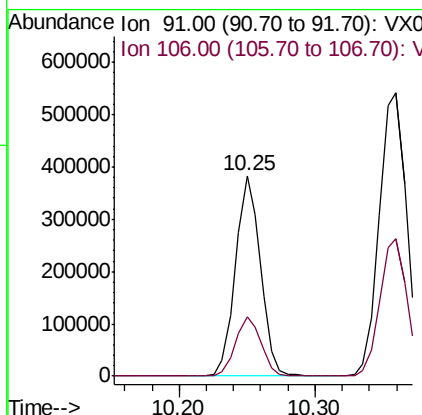
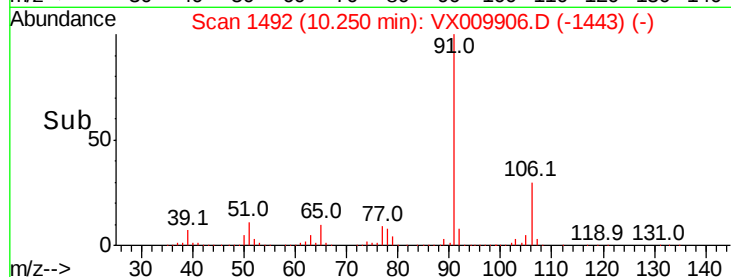
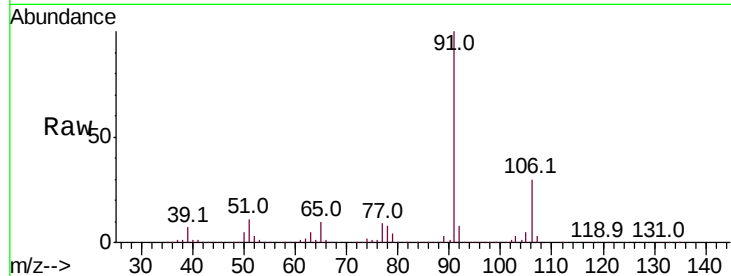
#67
Ethyl Benzene
Concen: 50.993 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 491048
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

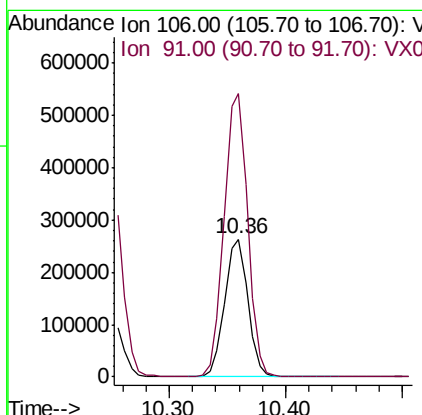
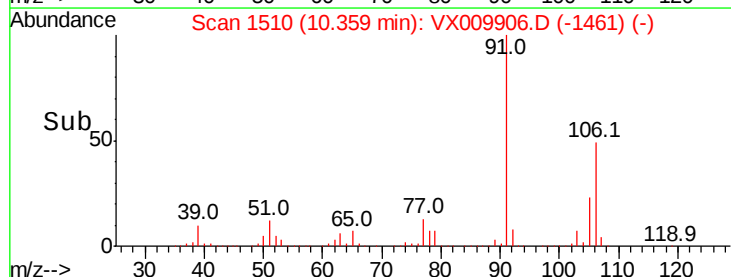
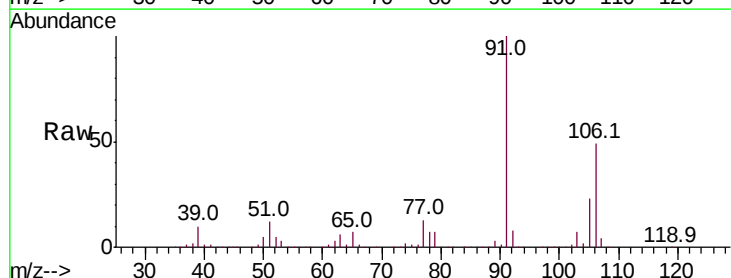
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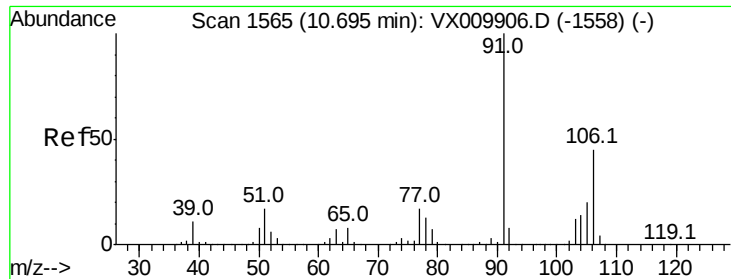
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#68
m/p-Xylenes
Concen: 103.569 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion: 106 Resp: 364816
Ion Ratio Lower Upper
106 100
91 209.1 167.3 250.9





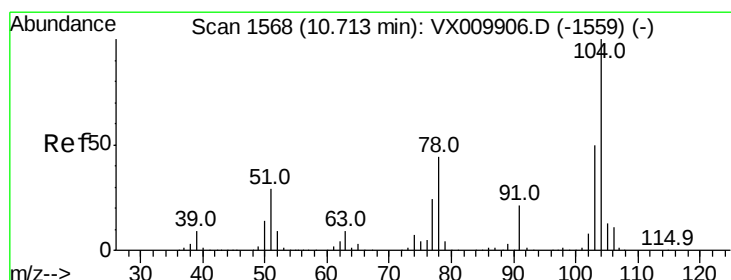
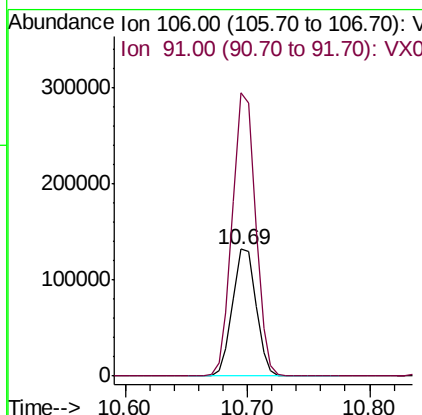
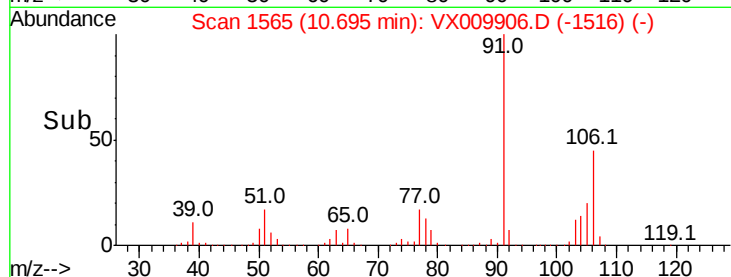
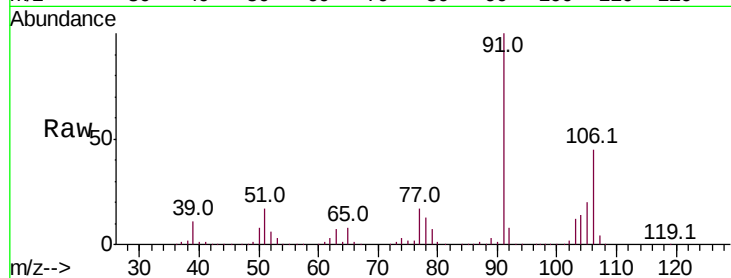
#69
o-Xylene
Concen: 50.666 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 175973
Ion Ratio Lower Upper
106 100
91 220.8 110.4 331.2

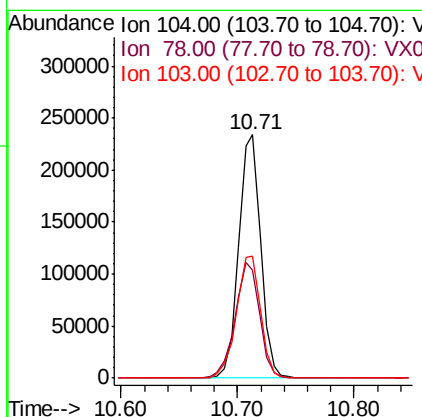
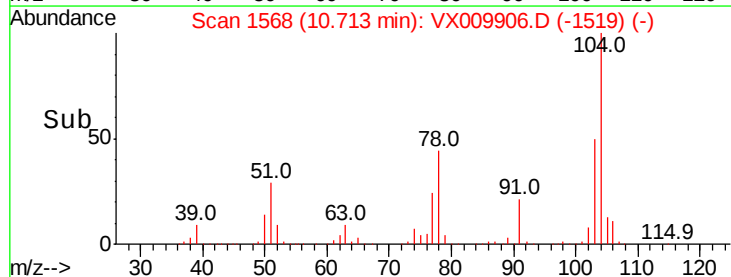
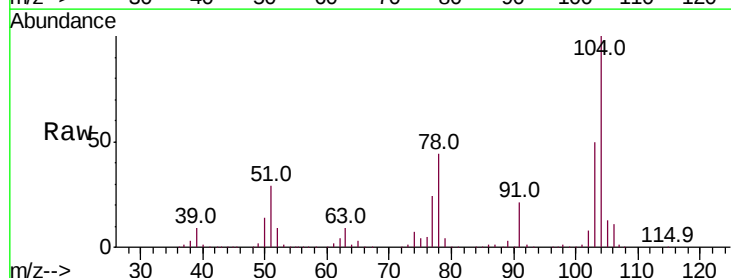
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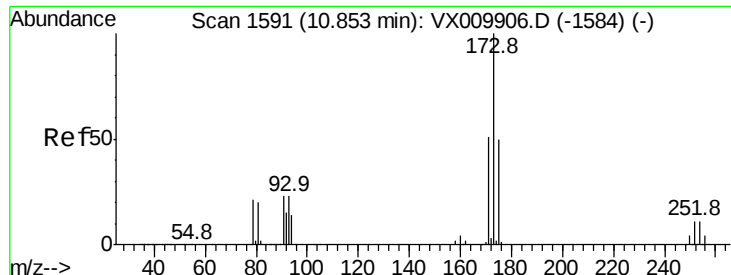
MMDadoda
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#70
Styrene
Concen: 51.321 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion:104 Resp: 309023
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.1 44.1 66.1





#71

Bromoform

Concen: 51.728 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 79736

Ion Ratio Lower Upper

173 100

175 50.0 25.0 75.0

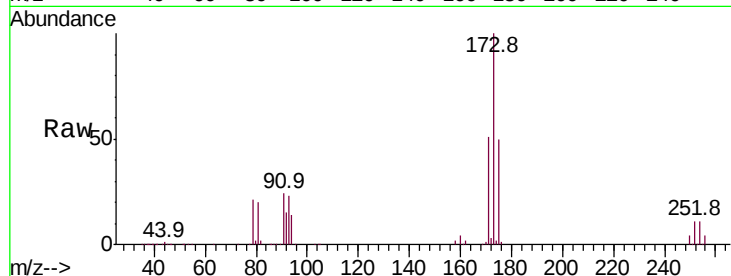
254 0.2 0.2 0.2

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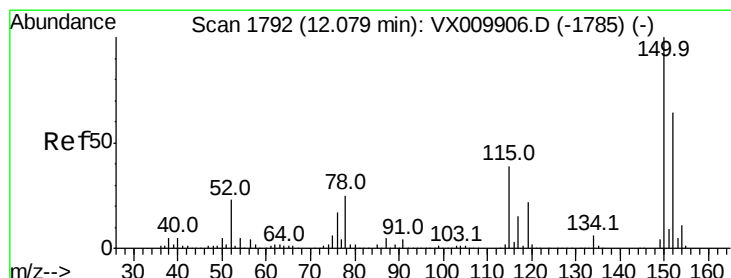
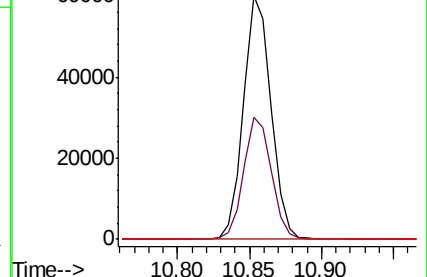
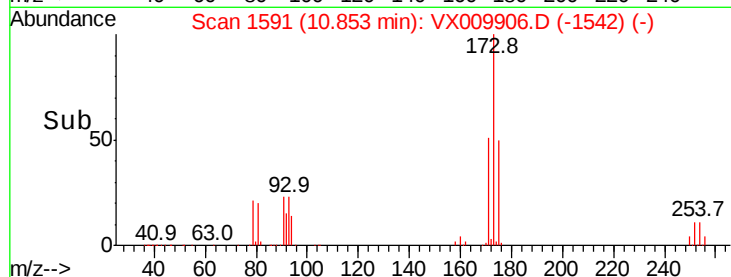
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX009906.D

Acq: 28 May 2019 11:07

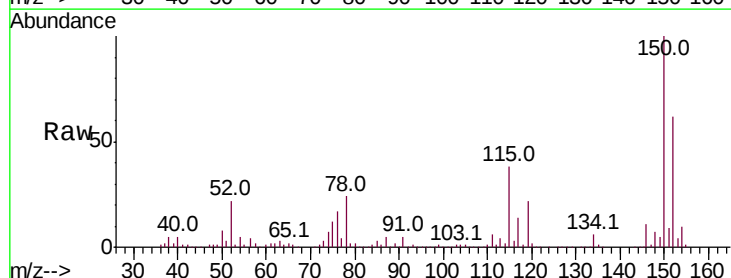
Tgt Ion:152 Resp: 128560

Ion Ratio Lower Upper

152 100

115 82.8 41.4 124.2

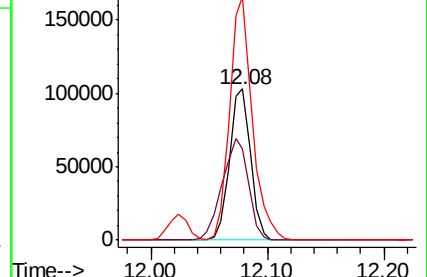
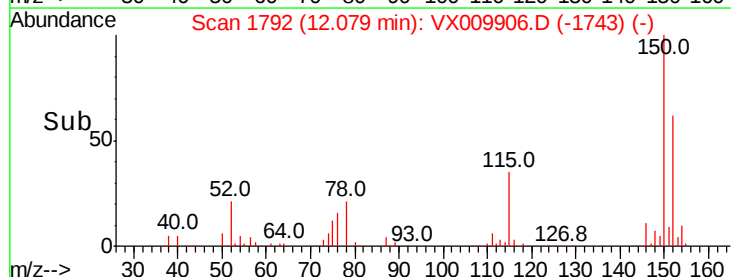
150 172.6 0.0 345.2

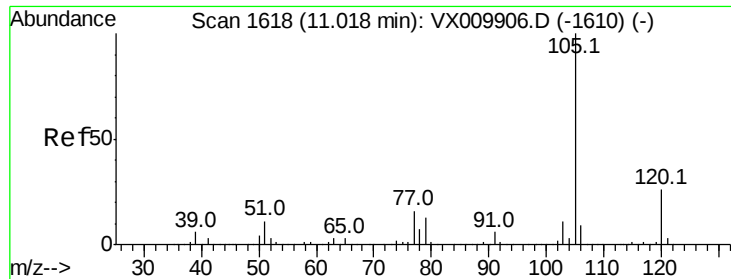


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.238 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 472574

Ion Ratio Lower Upper

105 100

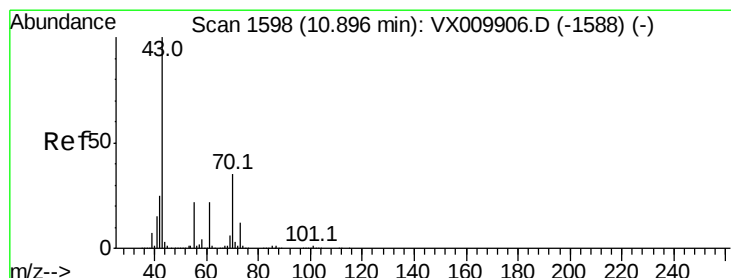
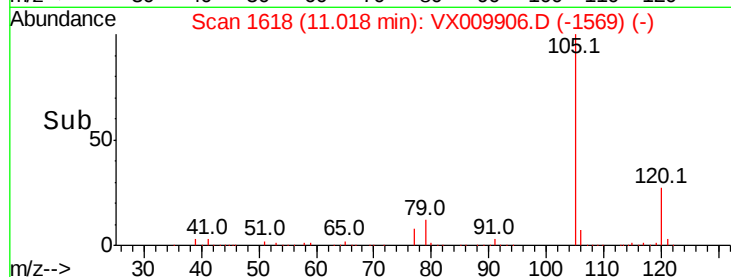
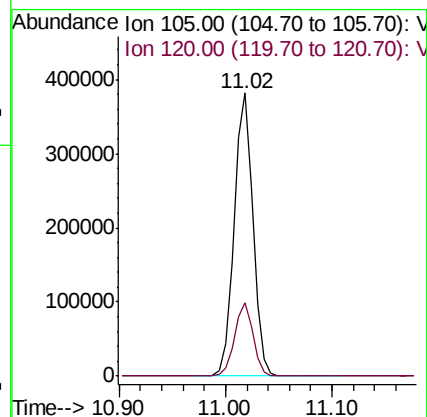
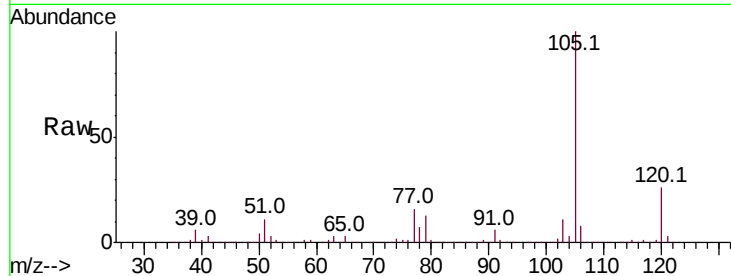
120 25.6 12.8 38.4

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#74

N-ethyl acetate

Concen: 52.535 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion: 43 Resp: 289120

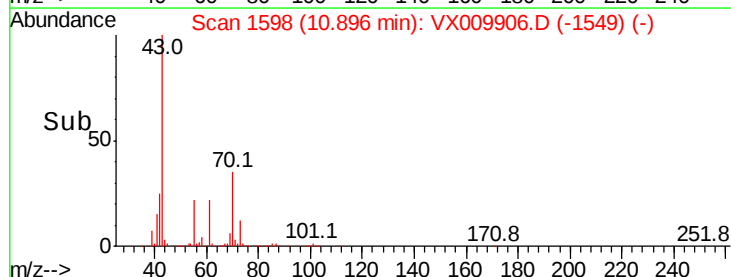
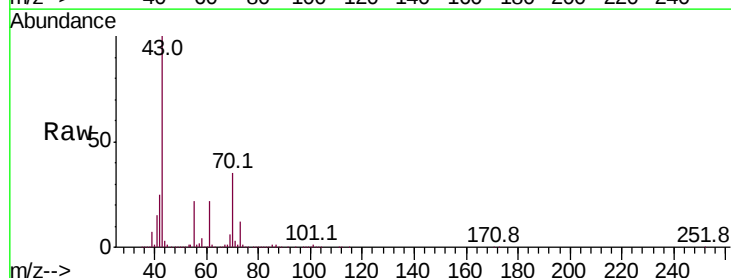
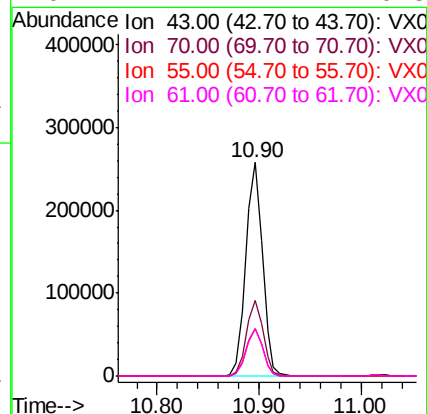
Ion Ratio Lower Upper

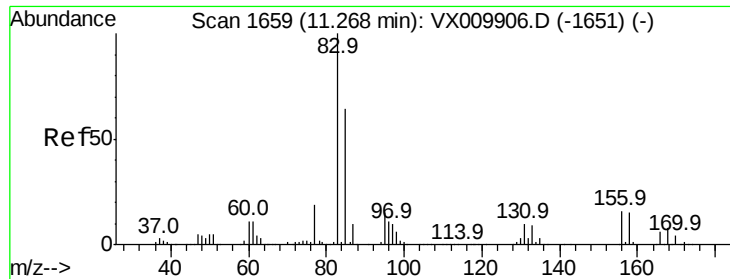
43 100

70 35.8 28.6 43.0

55 22.3 17.8 26.8

61 22.1 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.736 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 170089

Ion Ratio Lower Upper

83 100

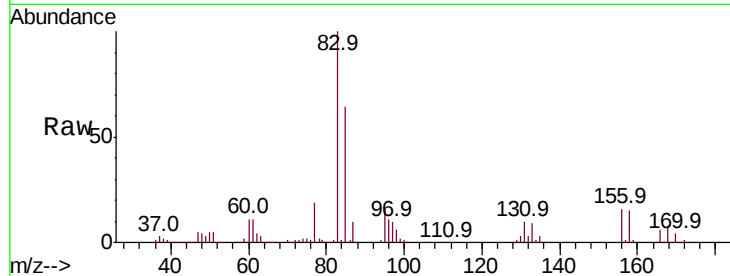
131 9.4 4.7 14.1

85 63.9 31.9 95.9

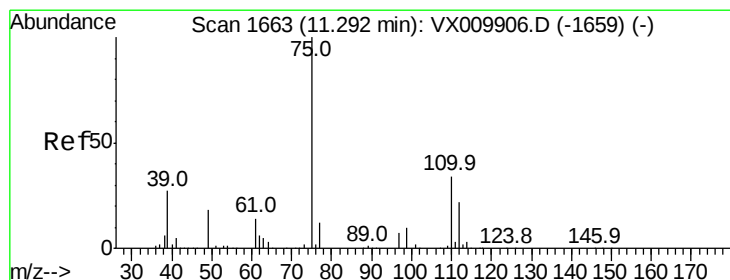
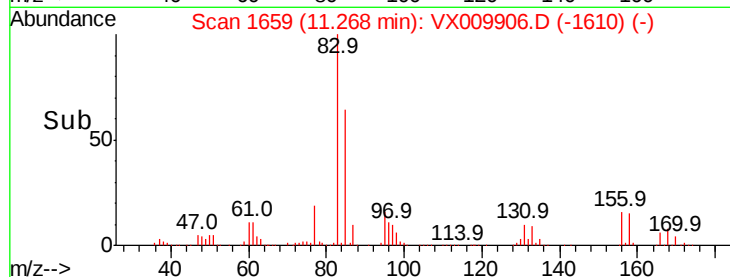
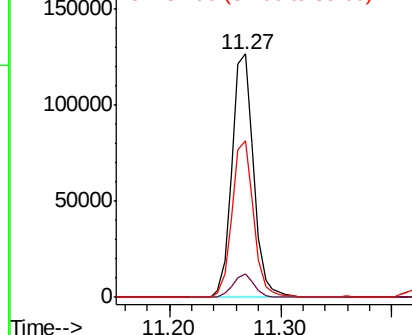
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.110 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009906.D

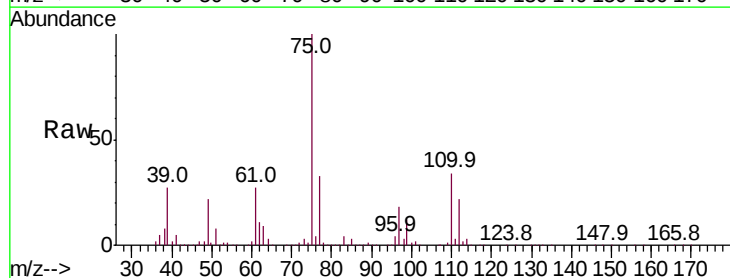
Acq: 28 May 2019 11:07

Tgt Ion: 75 Resp: 150435

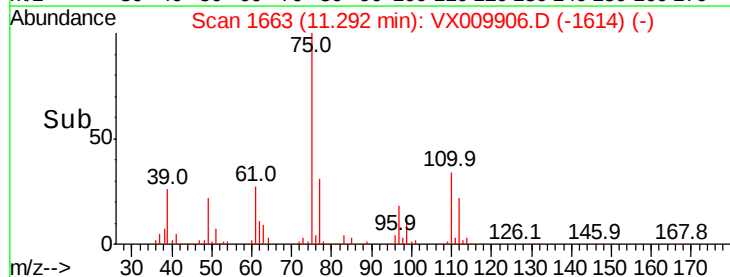
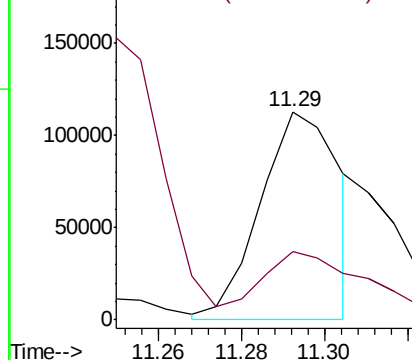
Ion Ratio Lower Upper

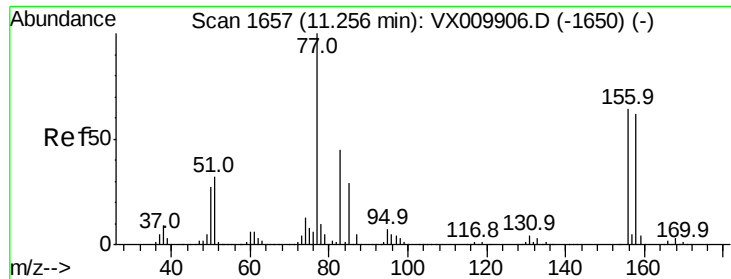
75 100

77 44.1 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: 49.228 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 114806

Ion Ratio Lower Upper

156 100

77 173.5 86.8 260.3

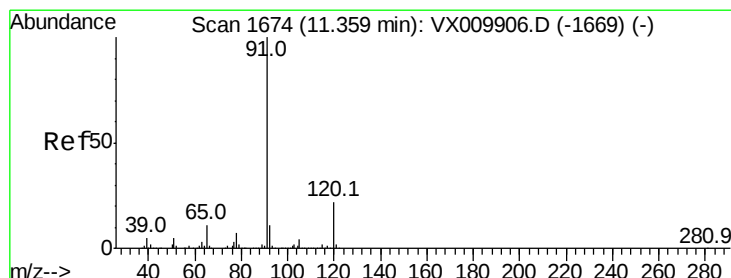
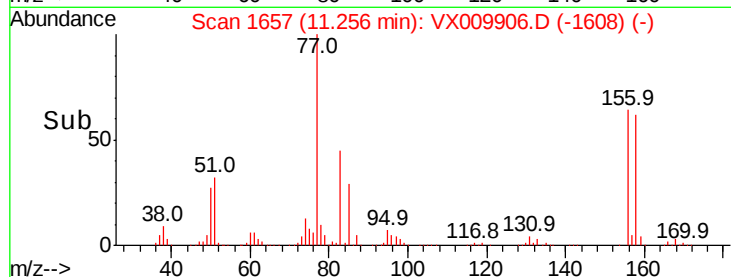
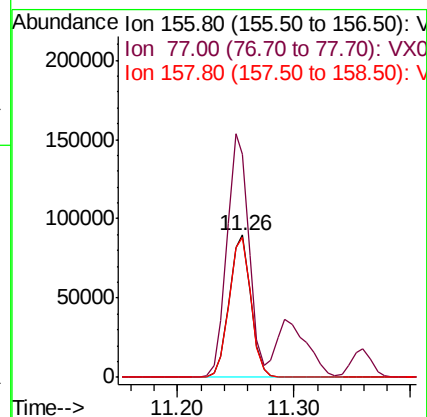
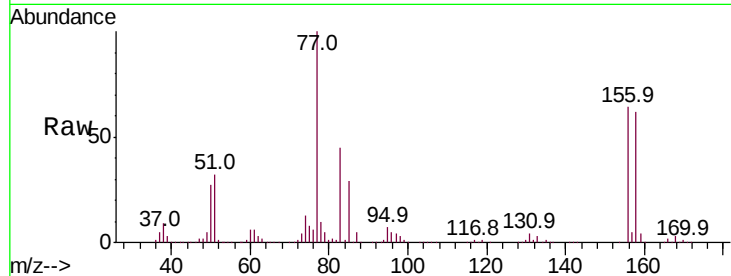
158 99.2 49.6 148.8

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#78

n-propylbenzene

Concen: 51.245 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009906.D

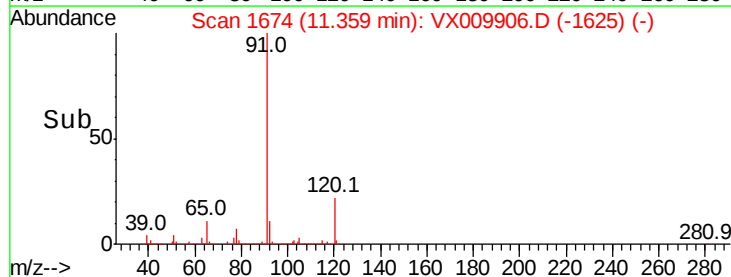
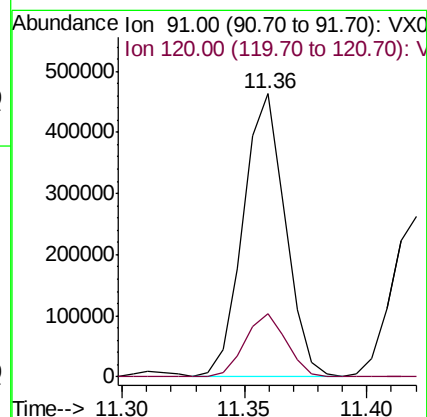
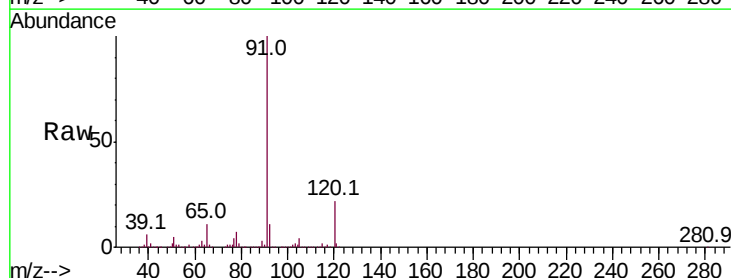
Acq: 28 May 2019 11:07

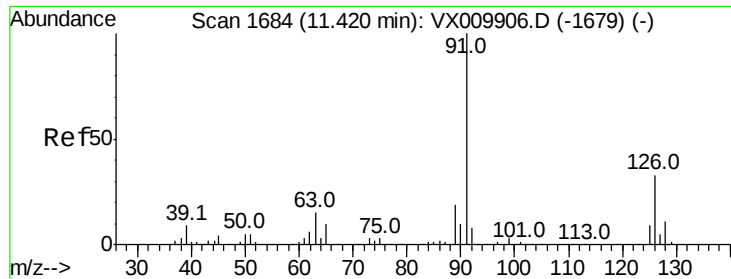
Tgt Ion: 91 Resp: 551557

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.3





#79

2-Chlorotoluene

Concen: 49.237 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 327116

Ion Ratio Lower Upper

91 100

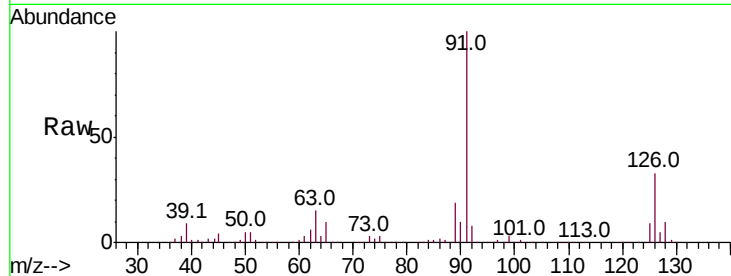
126 32.2 16.1 48.3

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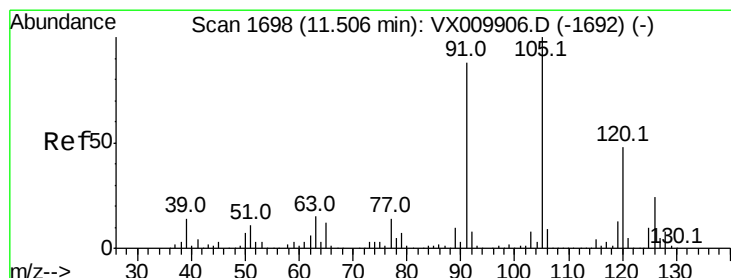
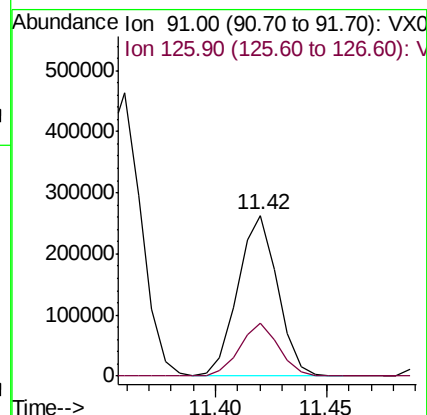
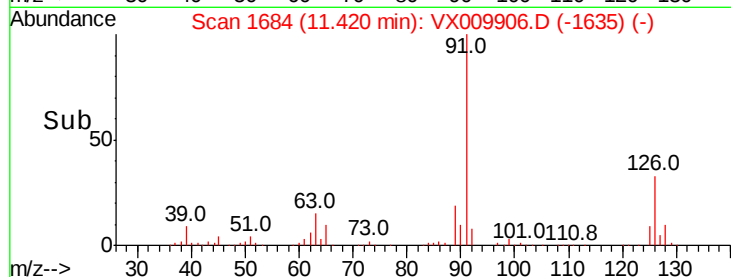
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Abundance Ion 91.00 (90.70 to 91.70): VX009906.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009906.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.531 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009906.D

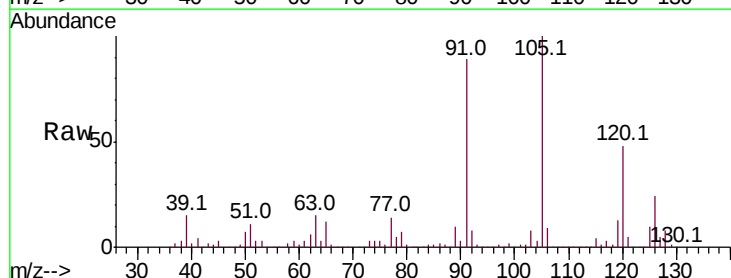
Acq: 28 May 2019 11:07

Tgt Ion:105 Resp: 400788

Ion Ratio Lower Upper

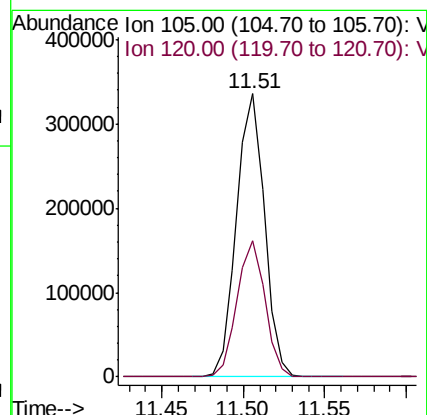
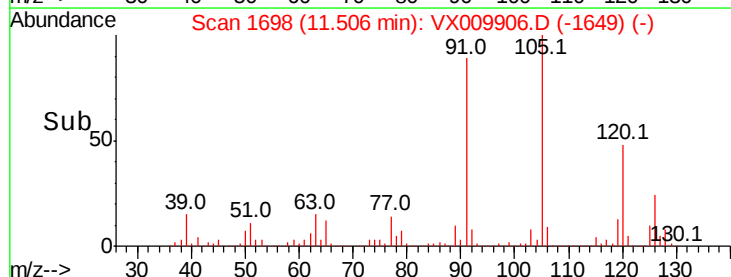
105 100

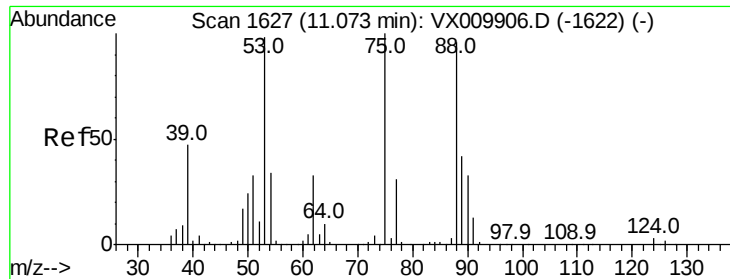
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009906.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009906.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.949 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 62453

Ion Ratio Lower Upper

75 100

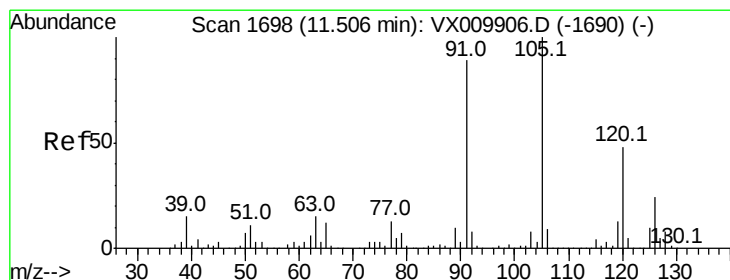
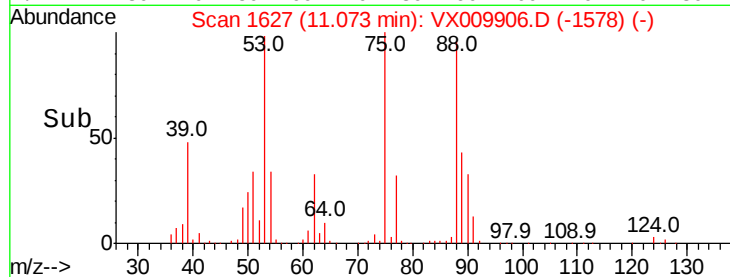
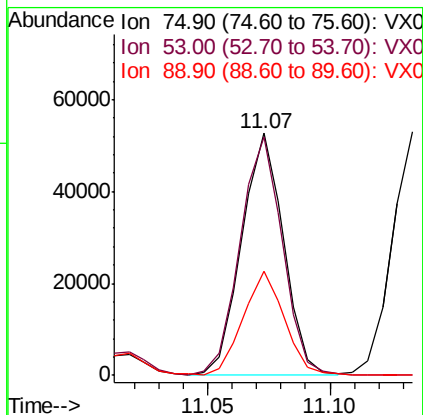
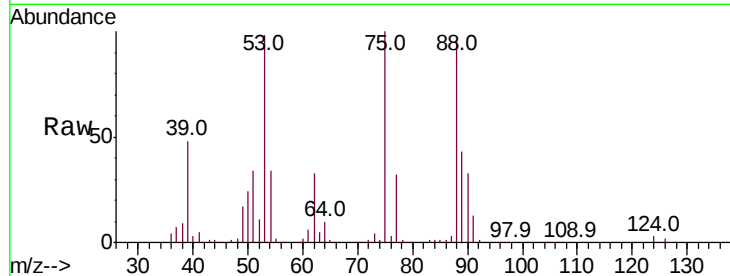
53 99.7 79.8 119.6

89 42.8 34.2 51.4

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#82

4-Chlorotoluene

Concen: 50.699 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009906.D

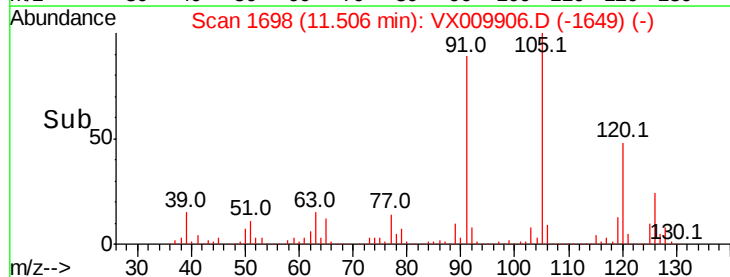
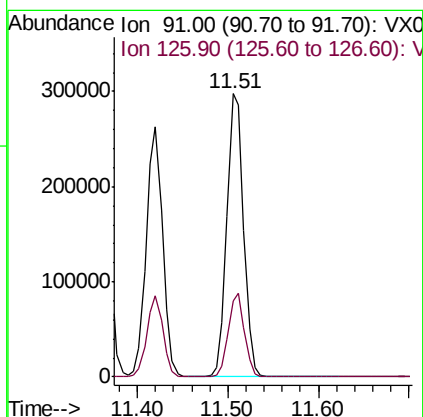
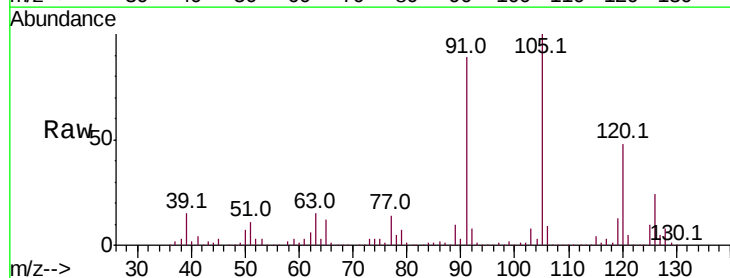
Acq: 28 May 2019 11:07

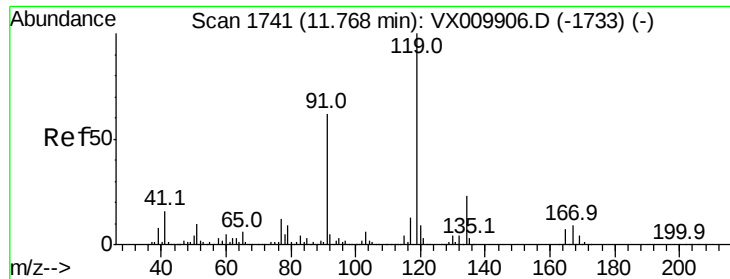
Tgt Ion: 91 Resp: 380868

Ion Ratio Lower Upper

91 100

126 28.4 14.2 42.6





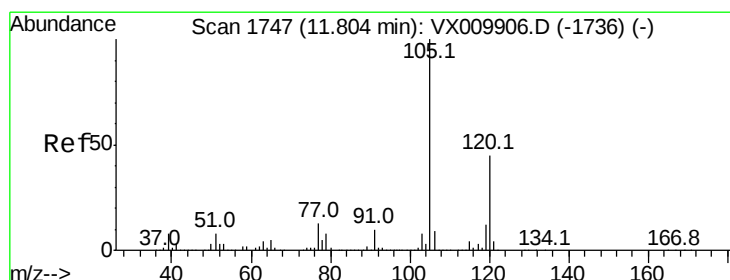
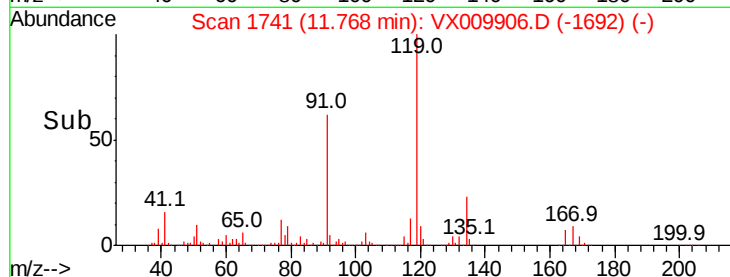
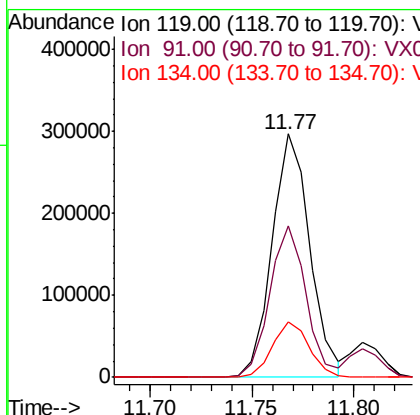
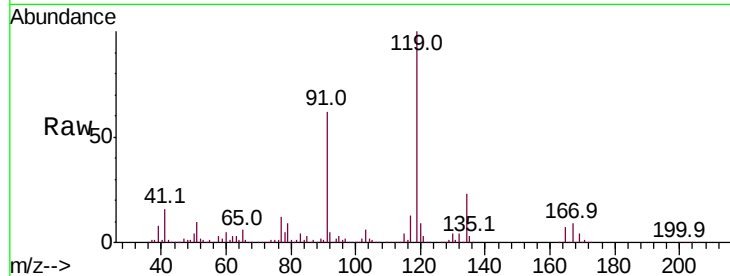
#83
tert-Butylbenzene
Concen: 49.728 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	382999		
91	60.0	30.0	90.0	
134	22.3	11.2	33.5	

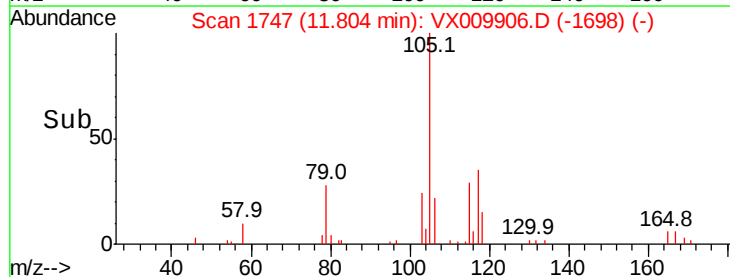
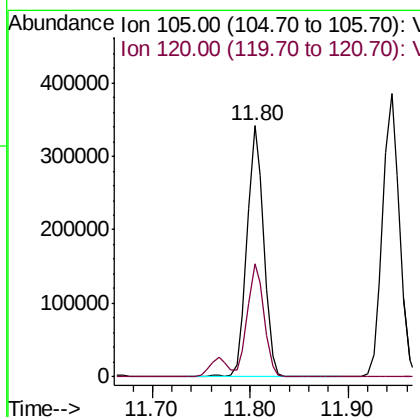
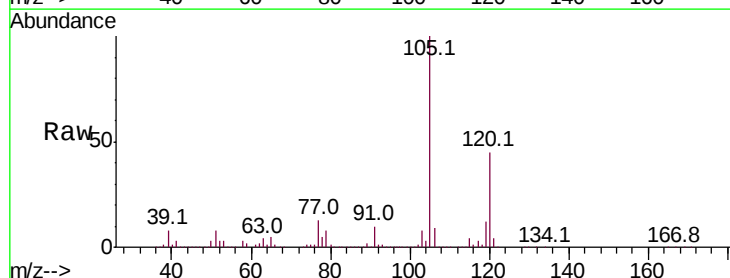
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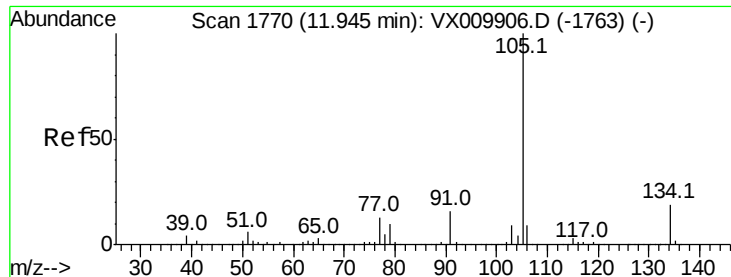
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#84
1,2,4-Trimethylbenzene
Concen: 50.933 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	405532		
120	44.1	22.1	66.1	





#85

sec-Butylbenzene

Concen: 50.480 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 461074

Ion Ratio Lower Upper

105 100

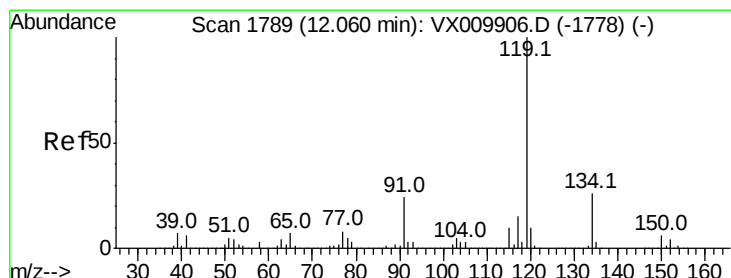
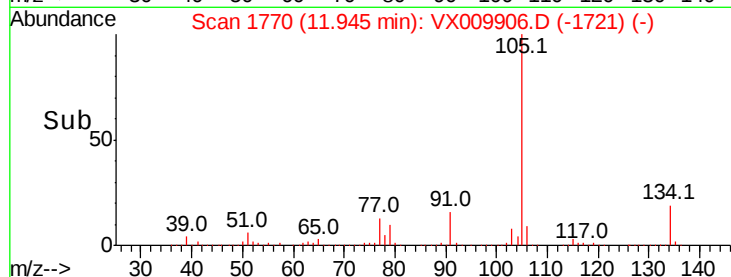
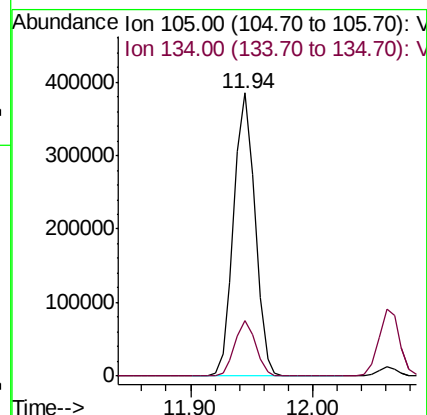
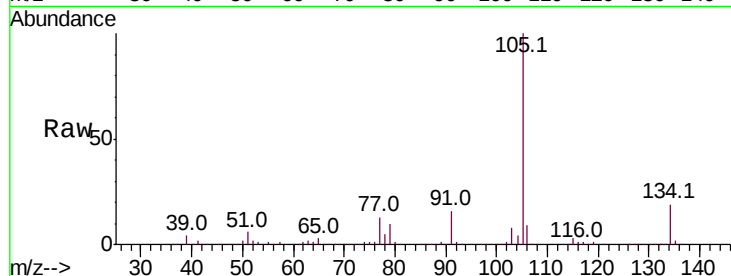
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 51.465 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

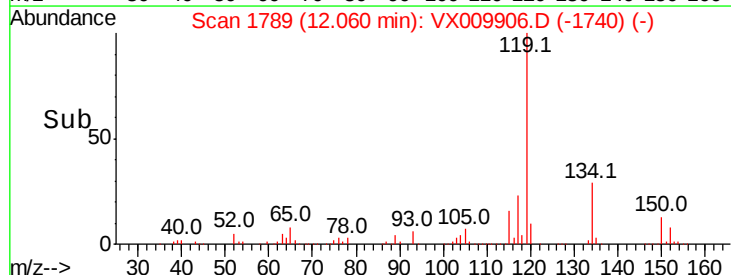
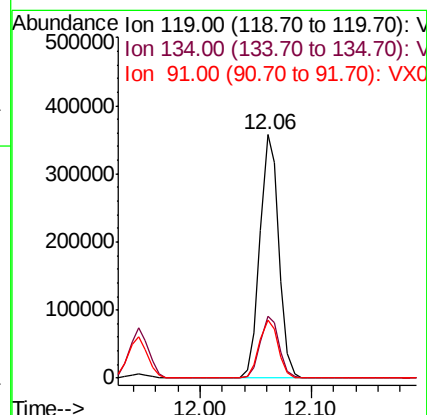
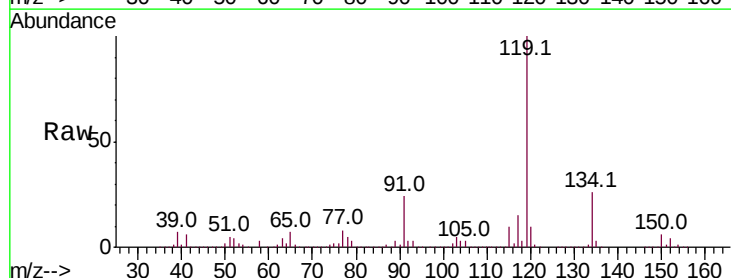
Tgt Ion:119 Resp: 423050

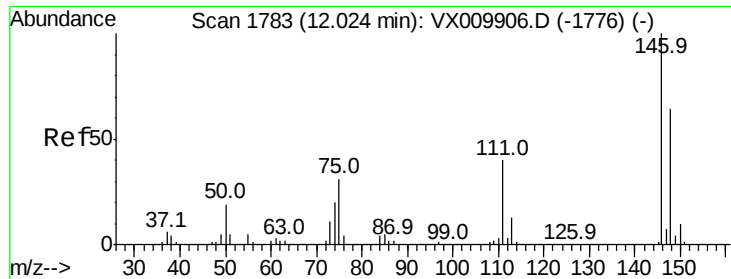
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 23.9 11.9 35.9





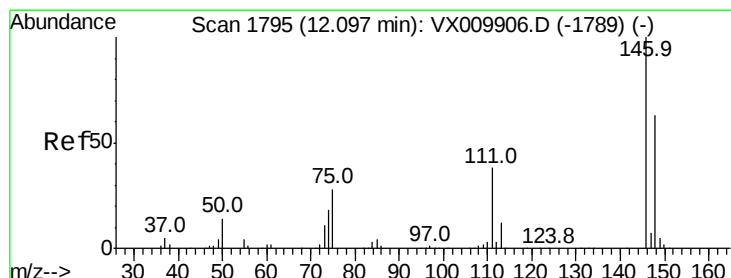
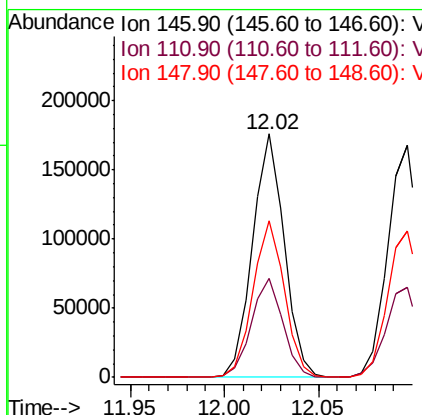
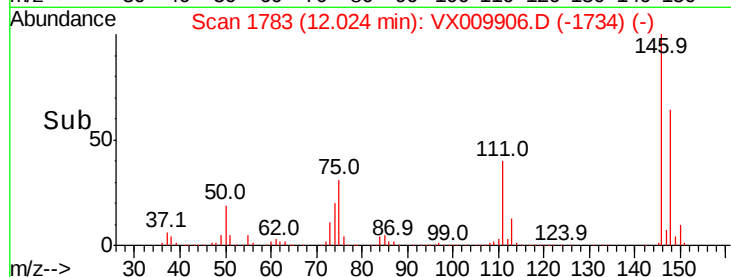
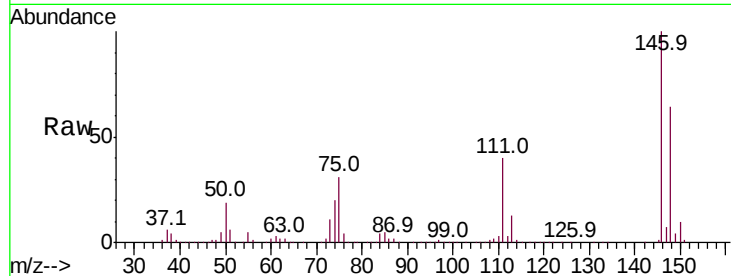
#87
 1,3-Dichlorobenzene
 Concen: 49.638 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.7	31.9	95.5

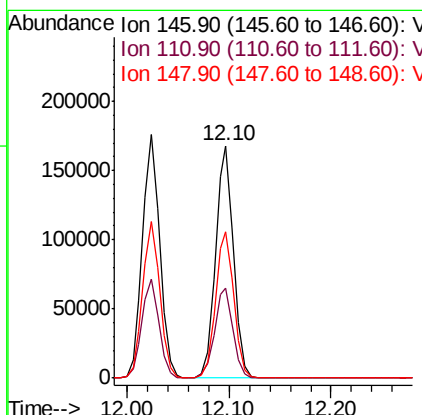
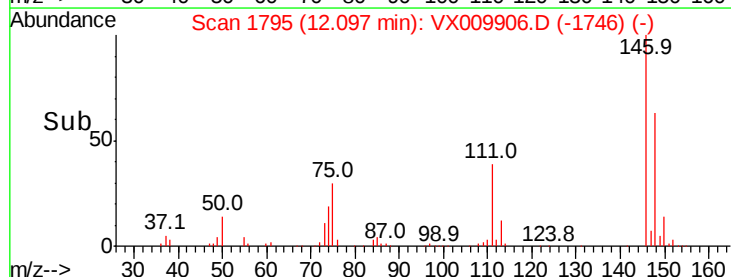
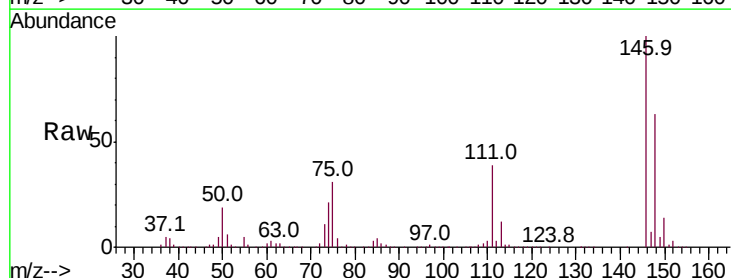
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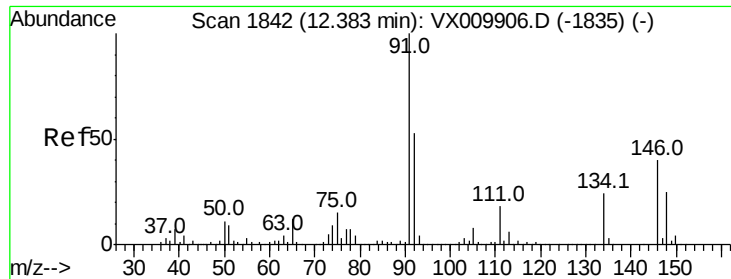
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#88
 1,4-Dichlorobenzene
 Concen: 49.426 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.6	32.3	96.9





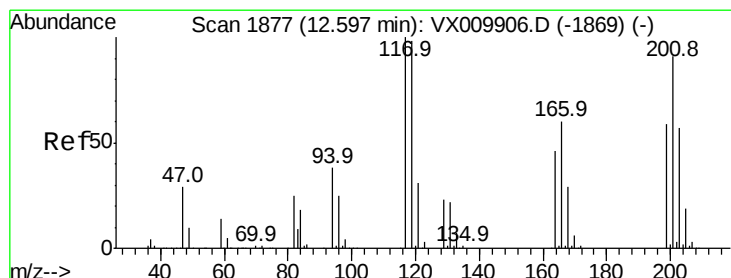
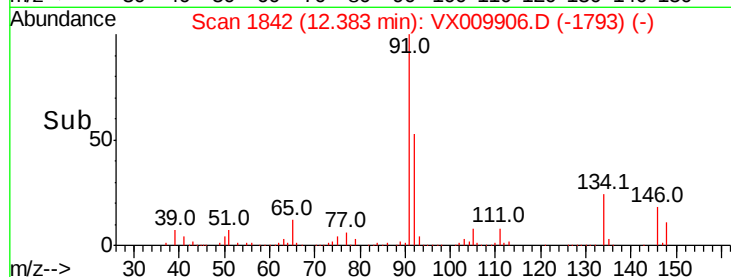
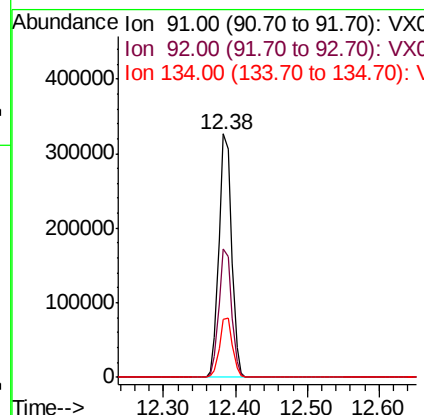
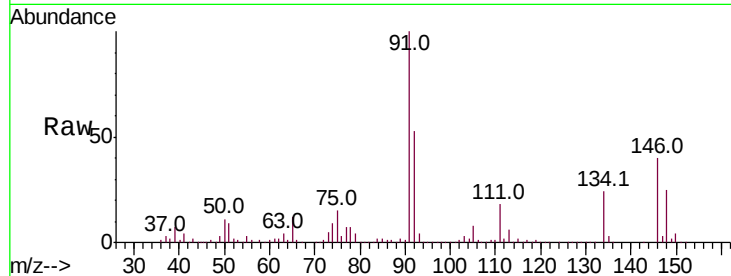
#89
n-Butylbenzene
Concen: 53.127 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	24.5	12.3	36.8

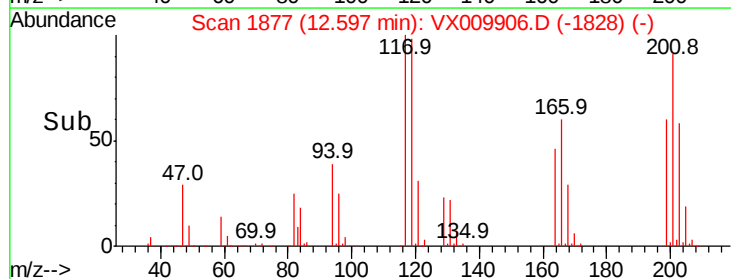
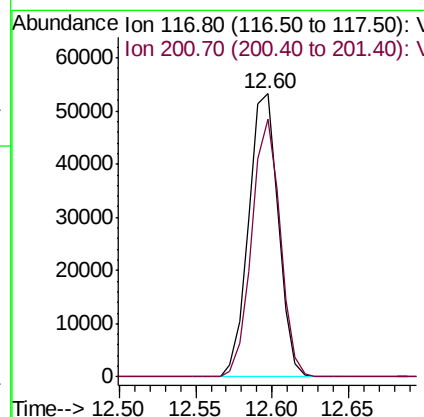
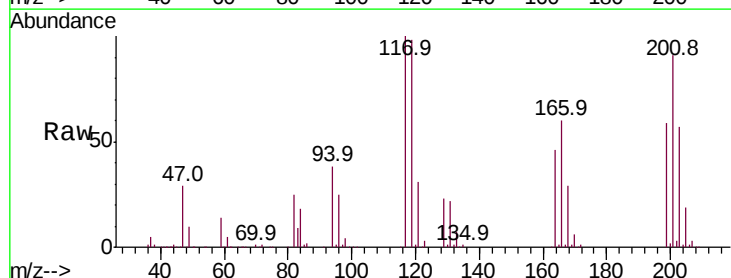
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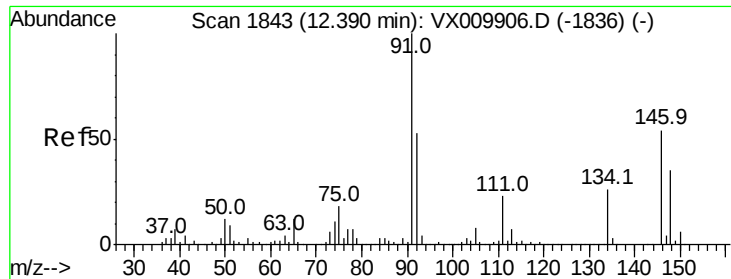
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#90
Hexachloroethane
Concen: 51.310 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009906.D
Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.6	130.9





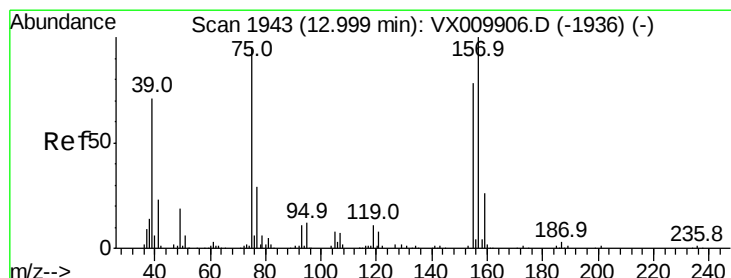
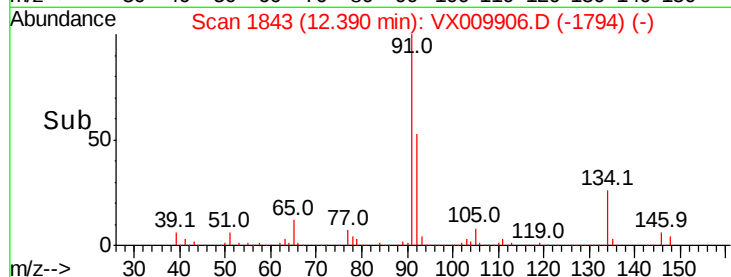
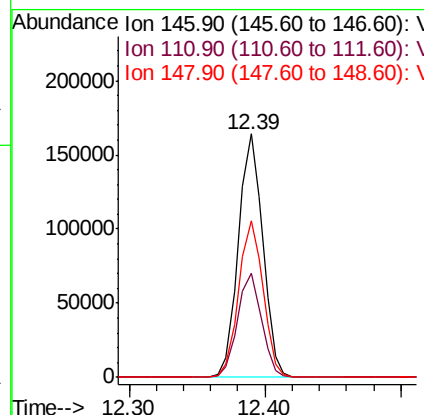
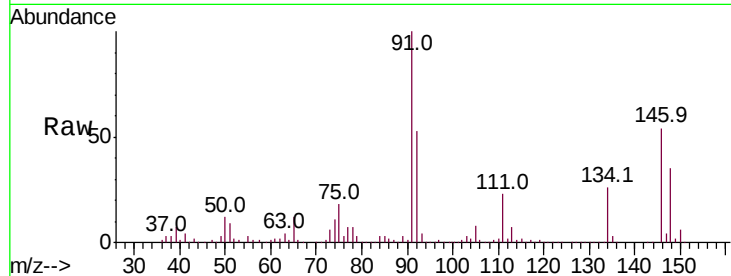
#91
 1,2-Dichlorobenzene
 Concen: 48.612 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205060		
111	42.1	21.1	63.1	
148	64.5	32.3	96.8	

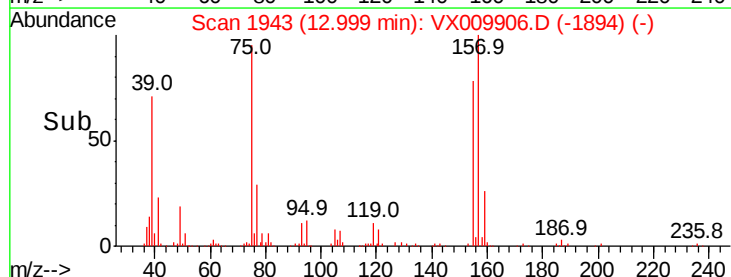
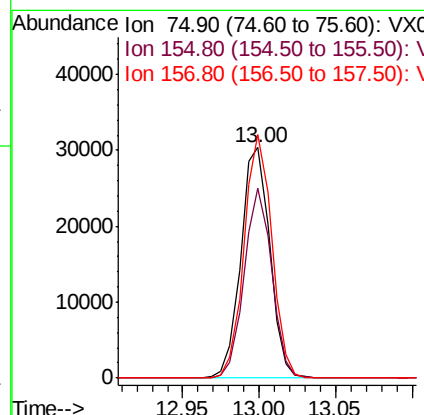
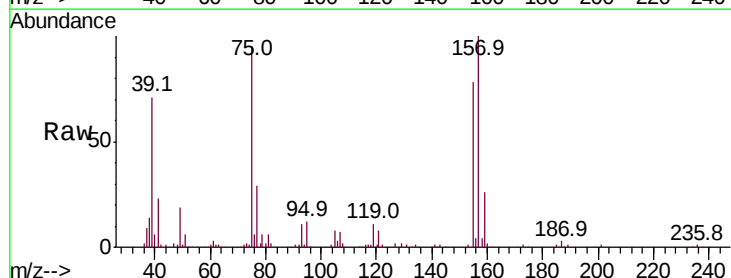
Manual Integrations
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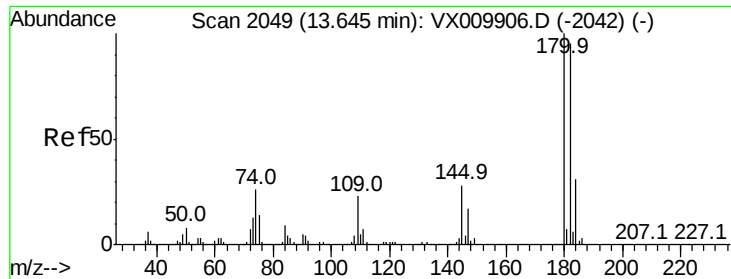
MMDadoda
 5/29/2019 9:24:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.791 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39757		
155	78.5	39.3	117.8	
157	101.2	50.6	151.8	





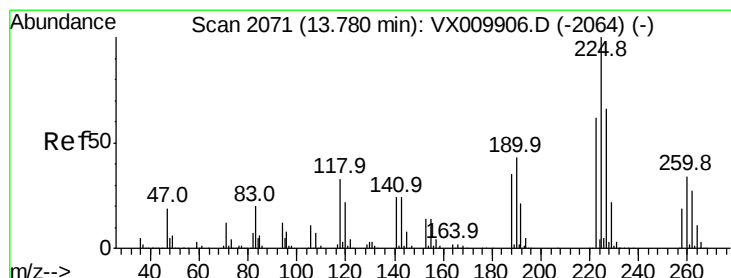
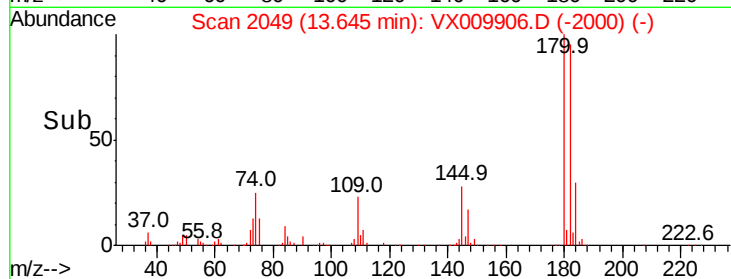
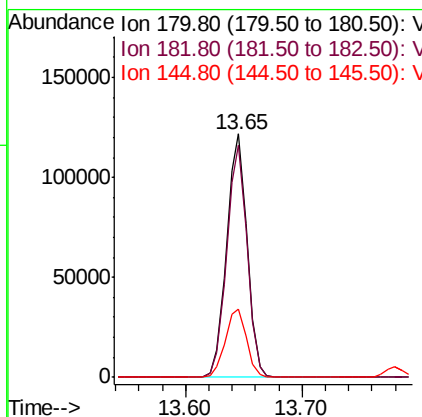
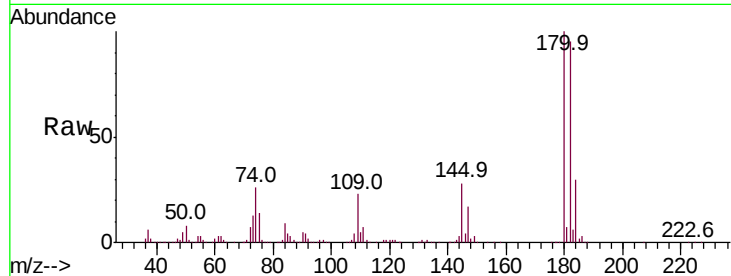
#93
 1,2,4-Trichlorobenzene
 Concen: 51.136 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147926		
182	94.8	47.4	142.2	
145	29.0	14.5	43.5	

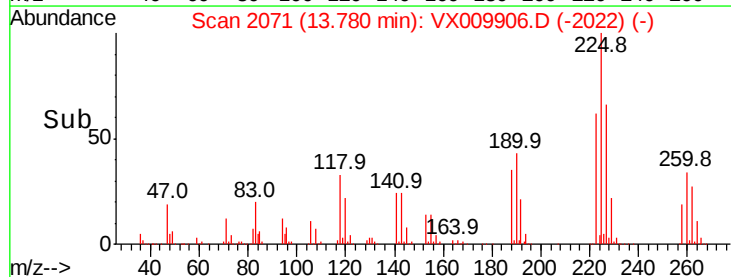
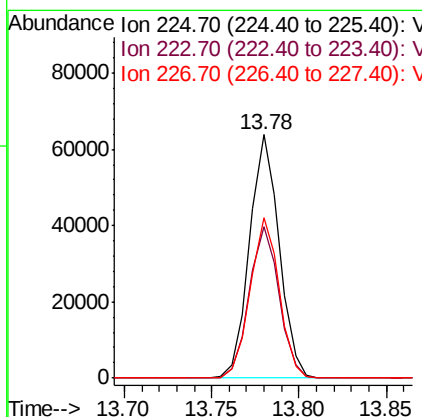
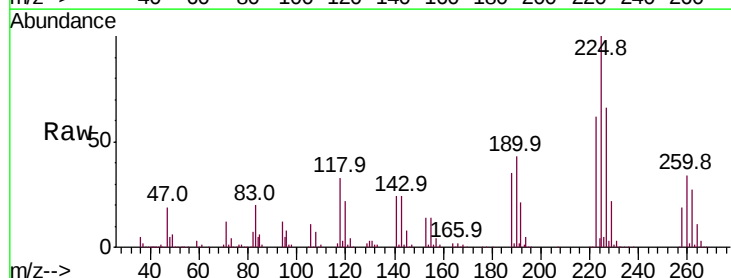
Manual Integrations
 APPROVED

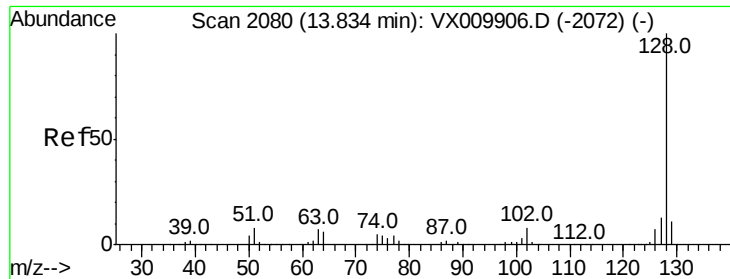
MMDadoda
 5/29/2019 9:24:50 AM



#94
 Hexachlorobutadiene
 Concen: 50.716 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009906.D
 Acq: 28 May 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75106		
223	62.5	31.3	93.8	
227	64.5	32.3	96.8	





#95

Naphthalene

Concen: 49.813 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Instrument :

MSVOA_X

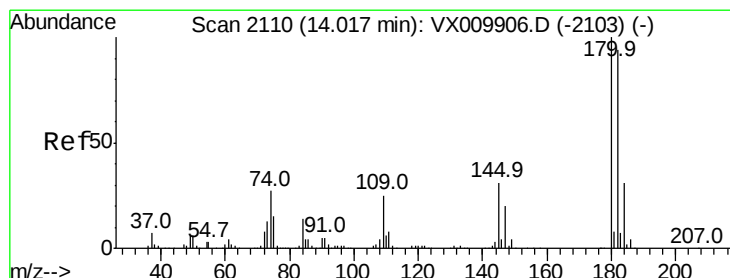
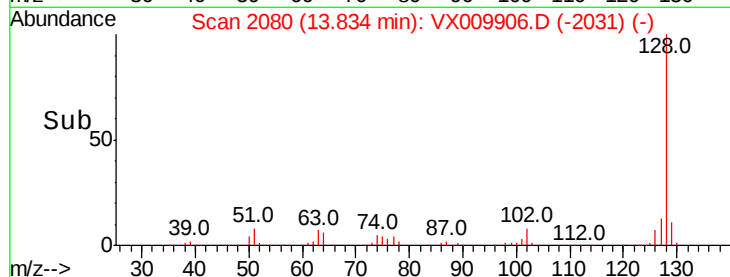
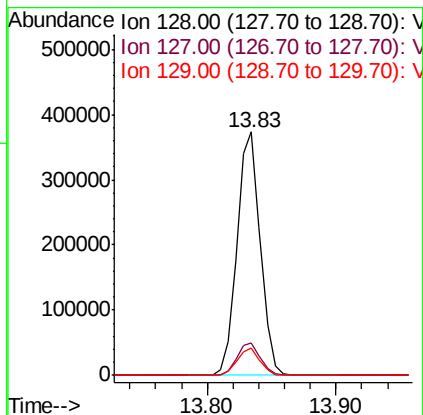
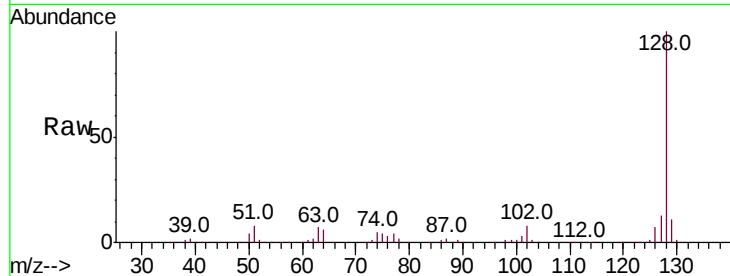
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	465427
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.004 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009906.D

Acq: 28 May 2019 11:07

Tgt Ion:	180	Resp:	146280
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	31.1	15.6	46.7

