

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052919\
 Data File : VX009949.D
 Acq On : 29 May 2019 18:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:54:32 AM

Quant Time: May 30 03:17:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	157288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	251124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115937	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	5.50	113	83080	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	8.71	98	339676	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
62) 4-Bromofluorobenzene	11.13	95	122417	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	110837	57.667	ug/l	98
3) Chloromethane	1.32	50	132878	51.425	ug/l	99
4) Vinyl Chloride	1.41	62	122338	52.521	ug/l	99
5) Bromomethane	1.64	94	66454	47.088	ug/l	98
6) Chloroethane	1.71	64	70993	49.511	ug/l	100
7) Trichlorofluoromethane	1.92	101	133547	51.883	ug/l	97
8) Diethyl Ether	2.19	74	57210	47.297	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78956	50.807	ug/l	100
10) Methyl Iodide	2.51	142	95518	49.671	ug/l	99
11) Tert butyl alcohol	3.06	59	138968	254.152	ug/l	100
12) 1,1-Dichloroethene	2.37	96	80358	50.447	ug/l	99
13) Acrolein	2.29	56	80011	210.113	ug/l	99
14) Allyl chloride	2.73	41	204607	52.849	ug/l	99
15) Acrylonitrile	3.14	53	337815	256.410	ug/l	100
16) Acetone	2.45	43	310339	241.749	ug/l	99
17) Carbon Disulfide	2.57	76	243628	50.507	ug/l	99
18) Methyl Acetate	2.78	43	158553	53.080	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	312197	51.913	ug/l	100
20) Methylene Chloride	2.85	84	98256	49.981	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	87275	49.242	ug/l	98
22) Diisopropyl ether	3.85	45	390633	53.029	ug/l	96
23) Vinyl Acetate	3.82	43	1776828	268.501	ug/l	100
24) 1,1-Dichloroethane	3.70	63	184914	51.798	ug/l	100
25) 2-Butanone	4.68	43	521905	260.950	ug/l	99
26) 2,2-Dichloropropane	4.59	77	130999	48.510	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	102120	49.914	ug/l	98
28) Bromochloromethane	5.02	49	93638	50.546	ug/l	99
29) Tetrahydrofuran	5.13	42	340515	265.502	ug/l	99
30) Chloroform	5.21	83	167638	52.069	ug/l	97
31) Cyclohexane	5.58	56	182163	53.876	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	140756	53.683	ug/l	100
36) 1,1-Dichloropropene	5.80	75	129891	50.979	ug/l	100
37) Ethyl Acetate	4.84	43	193522	54.510	ug/l	99
38) Carbon Tetrachloride	5.79	117	115652	52.527	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	160772	53.195	ug/l	98
40) Benzene	6.14	78	399144	52.808	ug/l	100
41) Methacrylonitrile	5.04	41	108168	52.141	ug/l	99
42) 1,2-Dichloroethane	6.19	62	144772	51.810	ug/l	100
43) Isopropyl Acetate	6.45	43	301062	52.556	ug/l	99
44) Trichloroethene	7.21	130	91432	49.801	ug/l	99
45) 1,2-Dichloropropane	7.51	63	114171	52.473	ug/l	100
46) Dibromomethane	7.66	93	64209	50.135	ug/l	99
47) Bromodichloromethane	7.90	83	129802	53.297	ug/l	99
48) Methyl methacrylate	7.77	41	156331	55.128	ug/l	99
49) 1,4-Dioxane	7.74	88	52102	987.745	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1005692	269.880	ug/l	100
52) Toluene	8.78	92	241597	52.645	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	153274	52.476	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	166709	52.384	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	96044	51.998	ug/l	97
56) Ethyl methacrylate	9.18	69	181667	55.245	ug/l	98
57) 1,3-Dichloropropane	9.37	76	174510	52.609	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	455474	264.144	ug/l	99
59) 2-Hexanone	9.49	43	768468	267.852	ug/l	100
60) Dibromochloromethane	9.58	129	97352	53.580	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100083	52.742	ug/l	100
64) Tetrachloroethene	9.34	164	82113	51.019	ug/l	96
65) Chlorobenzene	10.14	112	246977	51.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89564	53.532	ug/l	99
67) Ethyl Benzene	10.25	91	458164	52.898	ug/l	98
68) m/p-Xylenes	10.36	106	335795	104.943	ug/l	100
69) o-Xylene	10.69	106	163685	53.340	ug/l	100
70) Styrene	10.71	104	288940	53.696	ug/l	100
71) Bromoform	10.85	173	74508	54.480	ug/l	100
73) Isopropylbenzene	11.02	105	438108	53.165	ug/l	100
74) N-amyl acetate	10.90	43	272740	55.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160598	52.239	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	142854m	53.488	ug/l	
77) Bromobenzene	11.26	156	108005	51.430	ug/l	99
78) n-propylbenzene	11.36	91	511805	53.883	ug/l	99
79) 2-Chlorotoluene	11.42	91	299666	51.637	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	366442	52.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	55496	51.410	ug/l	98
82) 4-Chlorotoluene	11.51	91	351032	51.961	ug/l	99
83) tert-Butylbenzene	11.77	119	359861	54.181	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	370826	52.597	ug/l	99
85) sec-Butylbenzene	11.94	105	425295	53.824	ug/l	100
86) p-Isopropyltoluene	12.06	119	386303	54.354	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190465	50.943	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	188763	49.505	ug/l	99
89) n-Butylbenzene	12.38	91	358251	53.636	ug/l	100
90) Hexachloroethane	12.59	117	66797	54.766	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	189107	51.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36214	50.044	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	134024	50.878	ug/l	99
94) Hexachlorobutadiene	13.78	225	68046	51.501	ug/l	100
95) Naphthalene	13.83	128	429515	52.396	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134026	50.829	ug/l	99

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

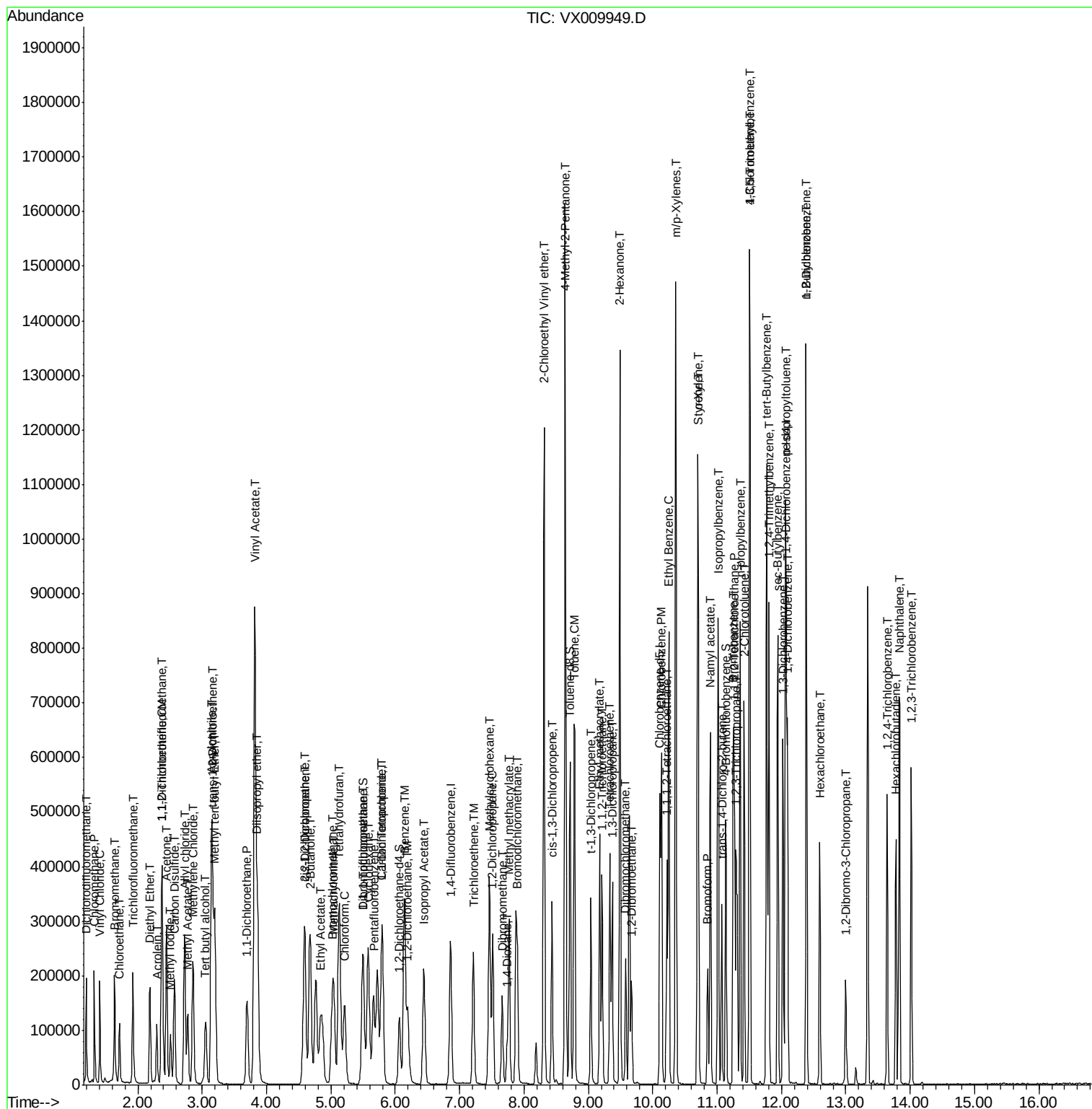
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\WX052919\
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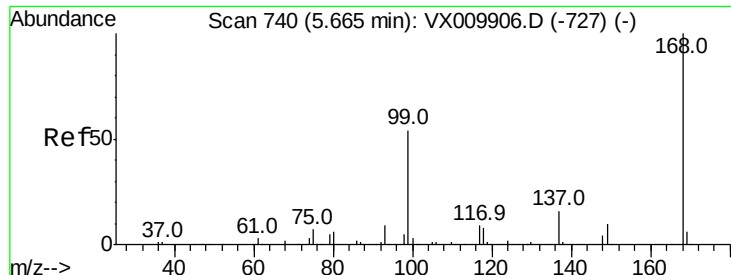
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 157288

Ion Ratio Lower Upper

168 100

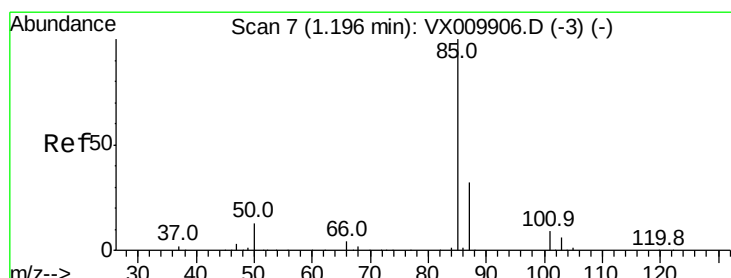
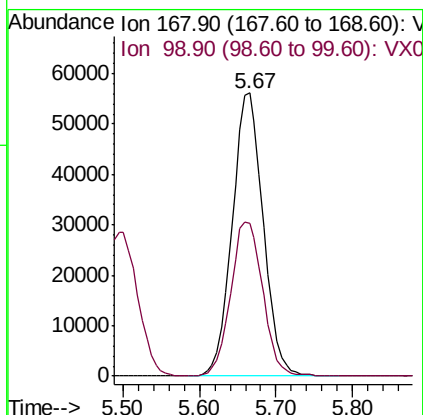
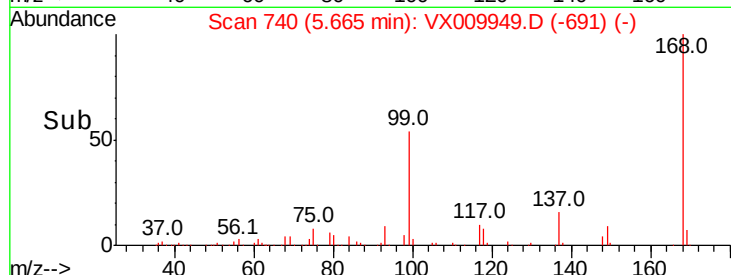
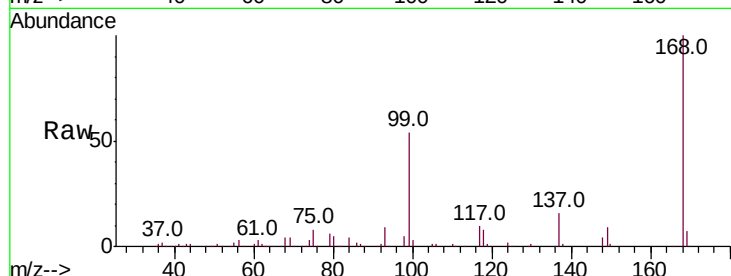
99 53.6 43.0 64.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 57.667 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009949.D

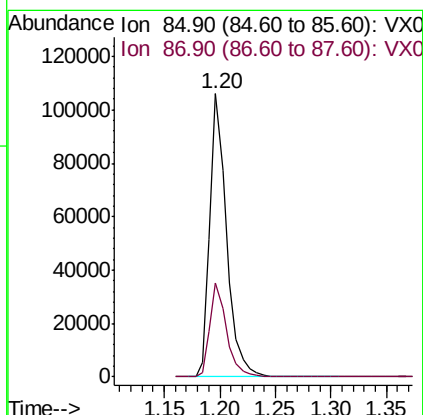
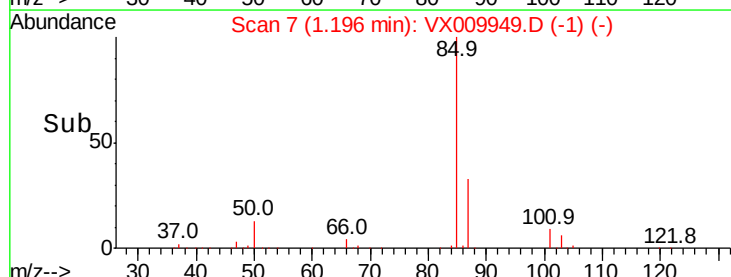
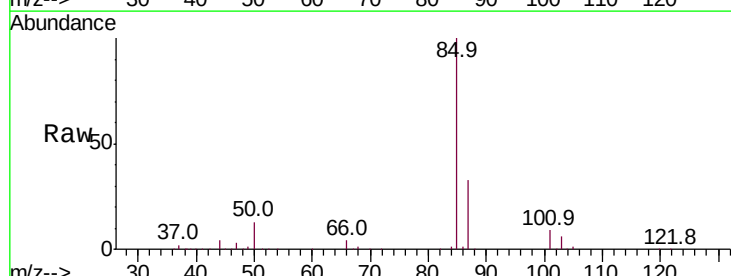
Acq: 29 May 2019 18:47

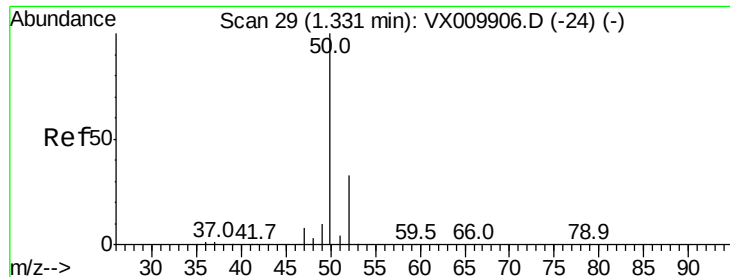
Tgt Ion: 85 Resp: 110837

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2





#3

Chloromethane

Concen: 51.425 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 132878

Ion Ratio Lower Upper

50 100

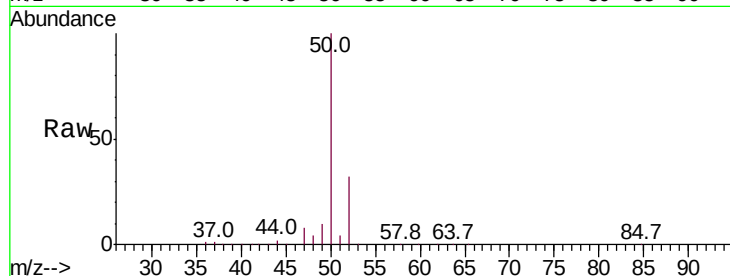
52 32.1 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

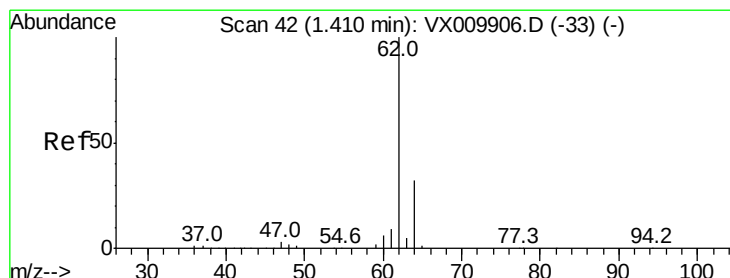
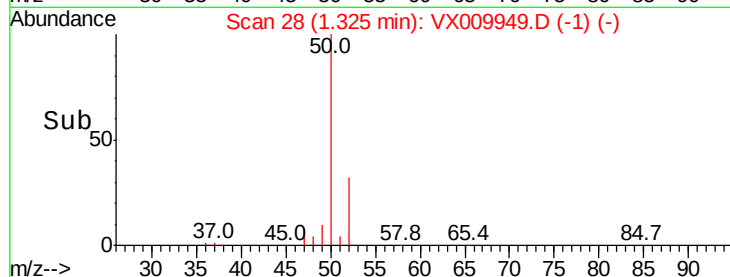
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.521 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009949.D

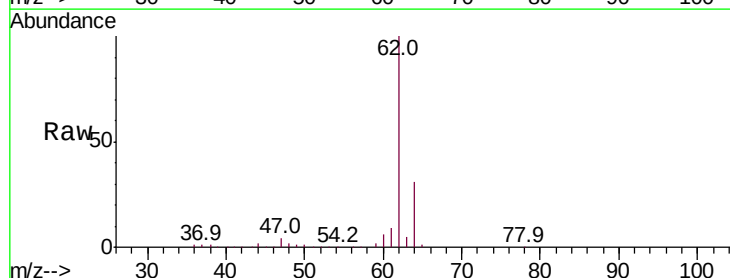
Acq: 29 May 2019 18:47

Tgt Ion: 62 Resp: 122338

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

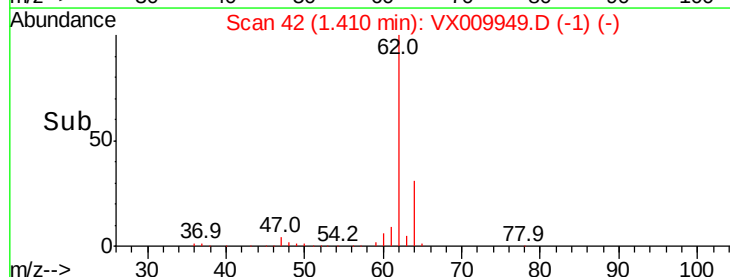
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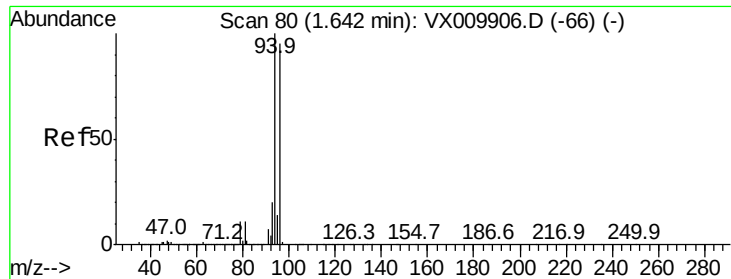
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50000

0

Time-->





#5

Bromomethane

Concen: 47.088 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66454

Ion Ratio Lower Upper

94 100

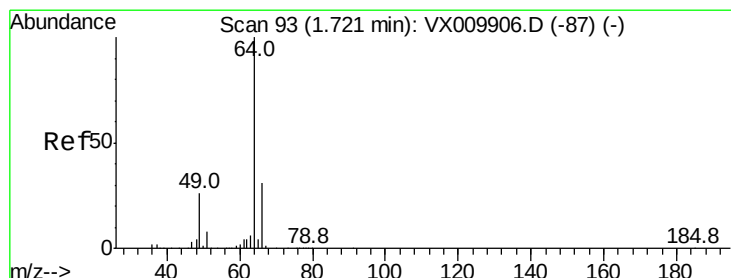
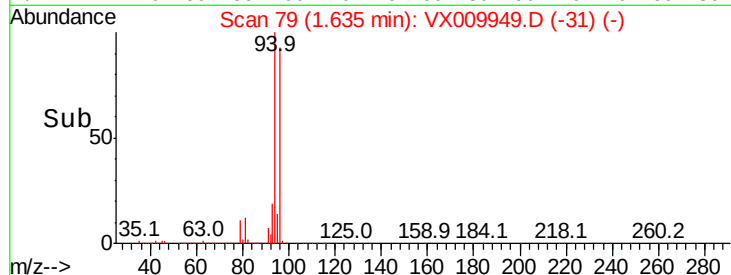
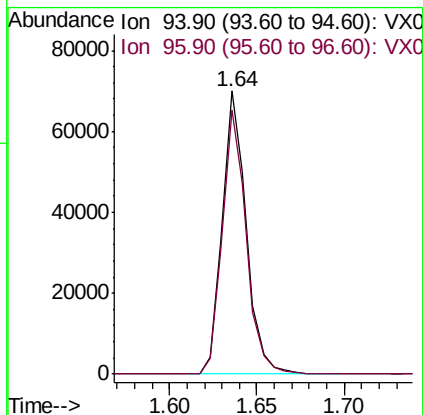
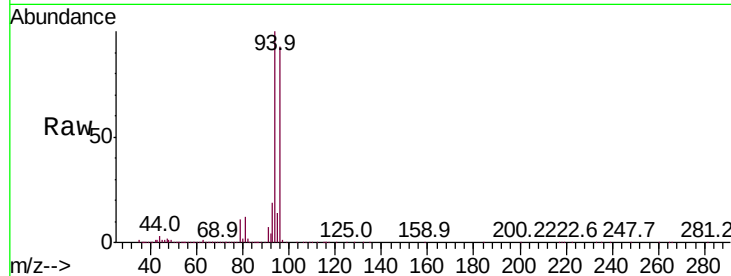
96 93.3 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 49.511 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009949.D

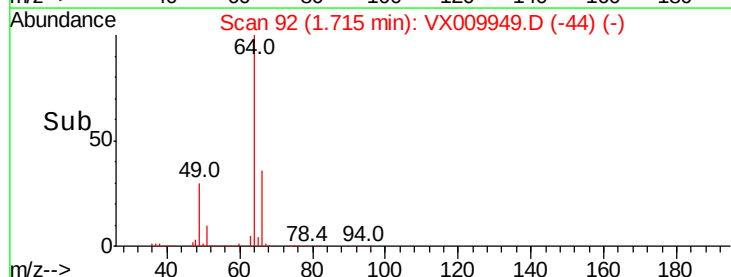
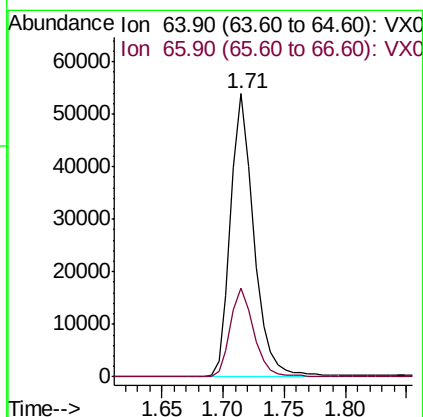
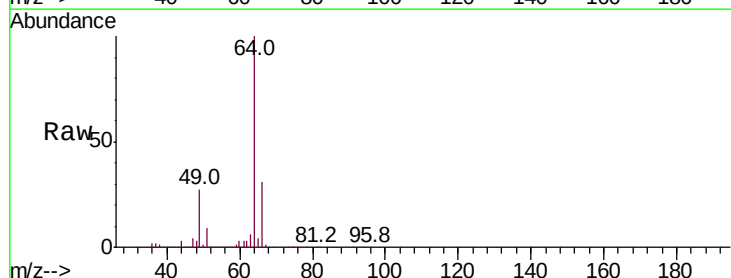
Acq: 29 May 2019 18:47

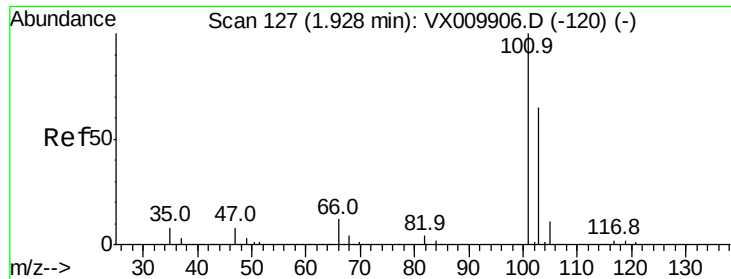
Tgt Ion: 64 Resp: 70993

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

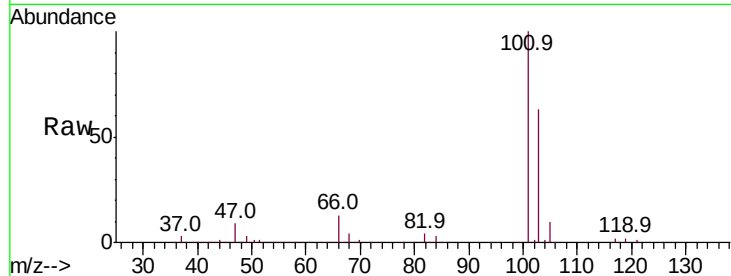
Trichlorofluoromethane
Concen: 51.883 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

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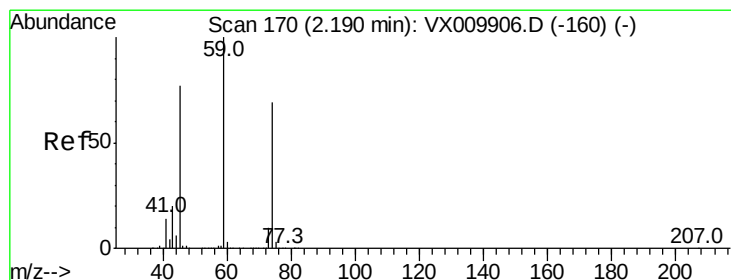
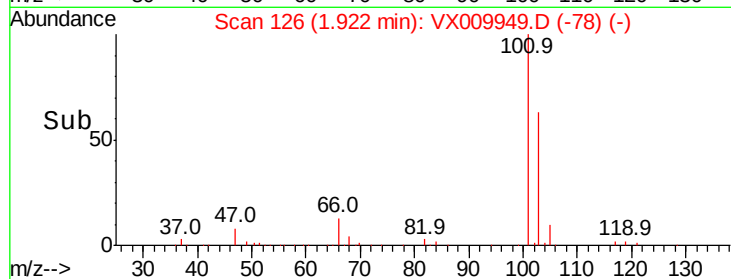
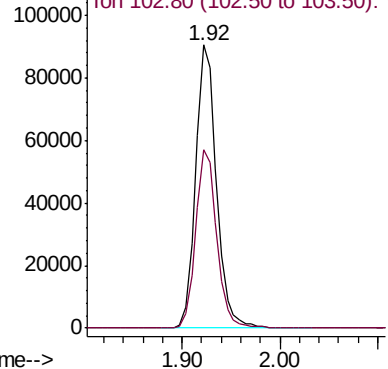
Tot Ion:101 Resp: 133547
Ion Ratio Lower Upper
101 100
103 63.3 52.2 78.4

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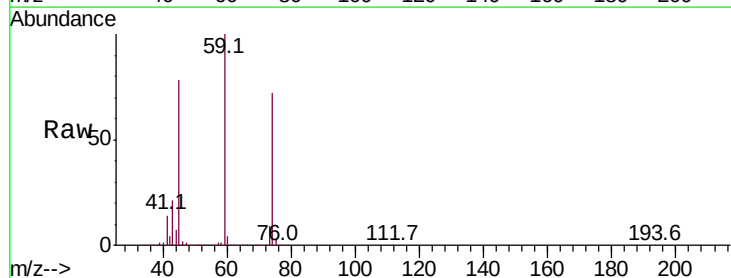
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



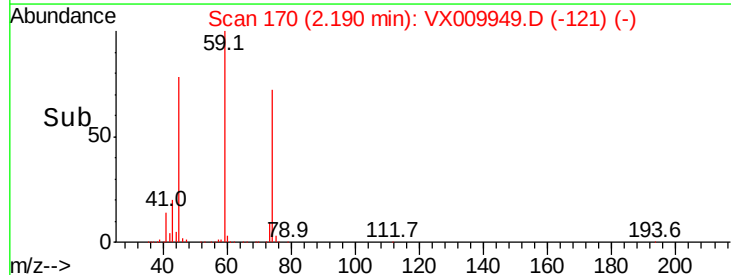
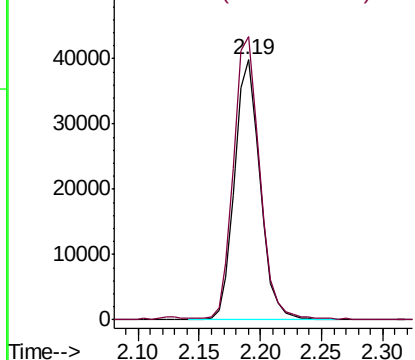
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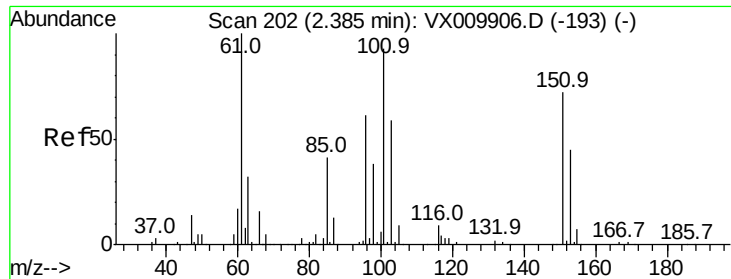
Diethyl Ether
Concen: 47.297 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion: 74 Resp: 57210
Ion Ratio Lower Upper
74 100
45 112.1 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.807 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009949.D

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MSVOA_X

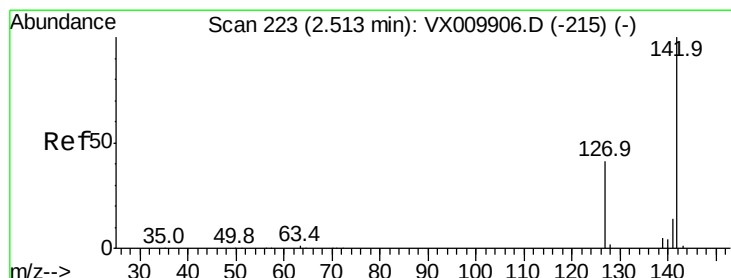
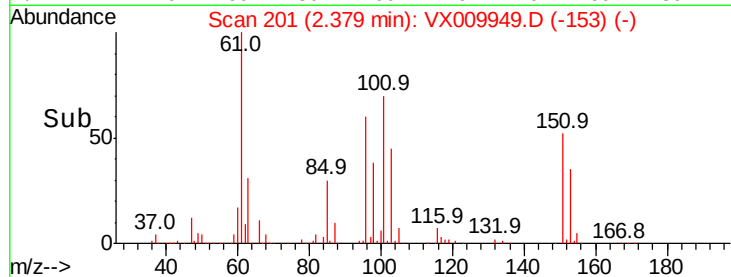
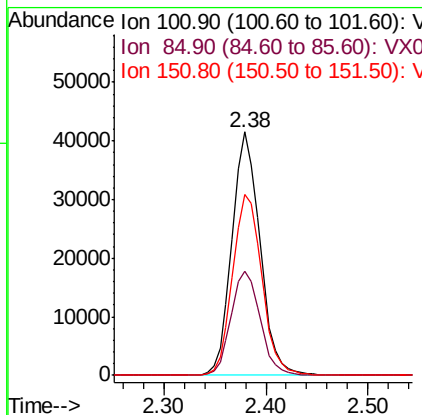
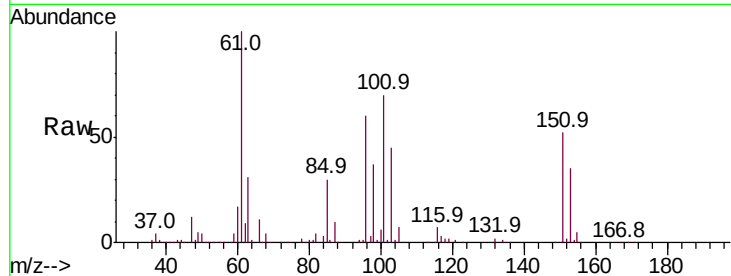
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	78956
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.2	52.8
151	77.4	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 49.671 ug/l

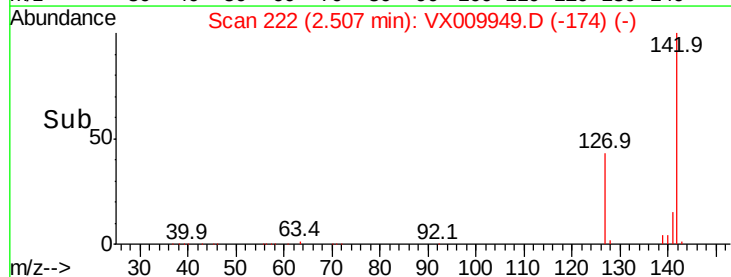
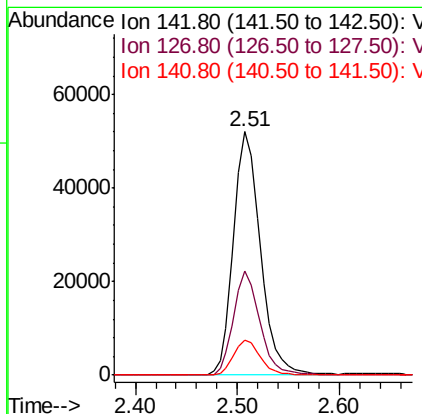
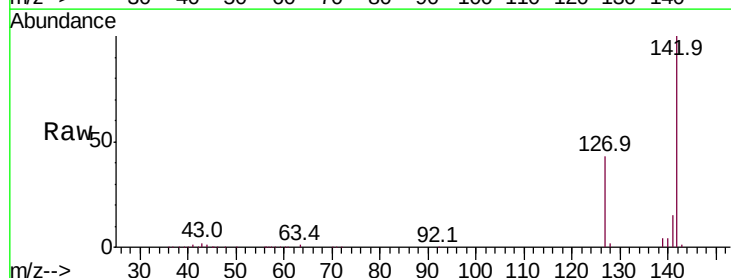
RT: 2.51 min Scan# 222

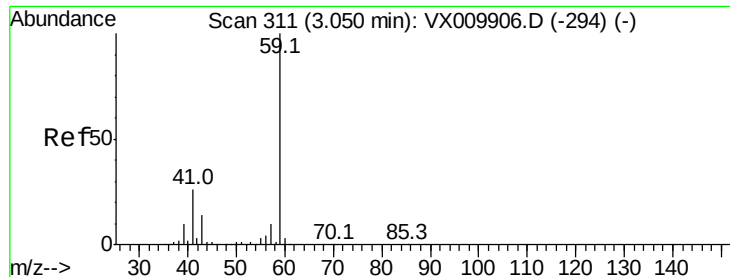
Delta R.T. -0.01 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	142	Resp:	95518
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.4
141	14.5	11.4	17.0





#11

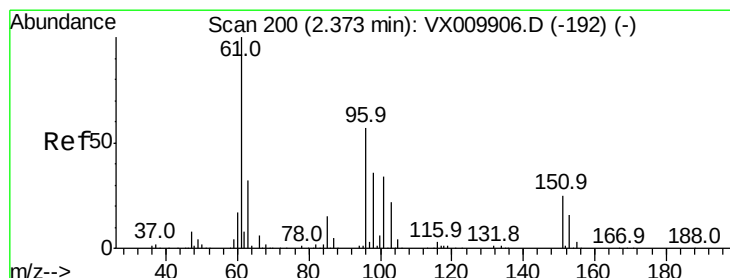
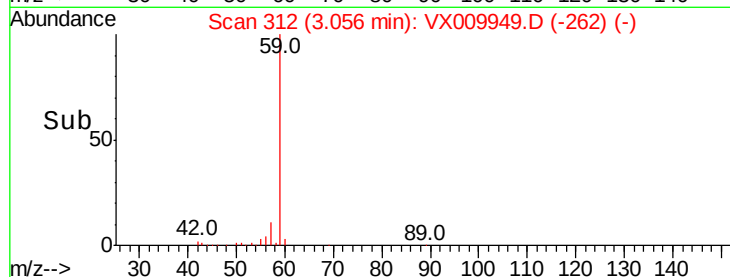
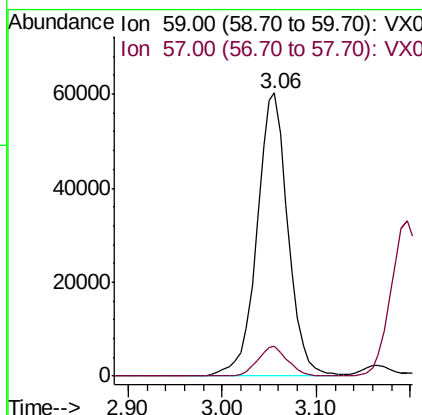
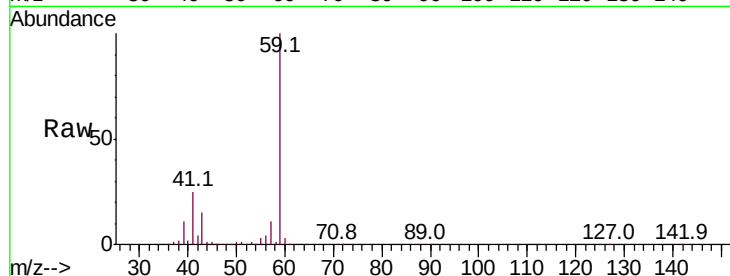
Tert butyl alcohol
Concen: 254.152 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.2	Resp	Lower	Upper
59	100							
57		10.2				8.2	12.2	

Manual Integrations
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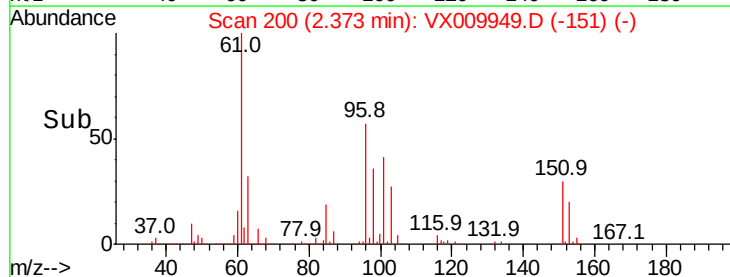
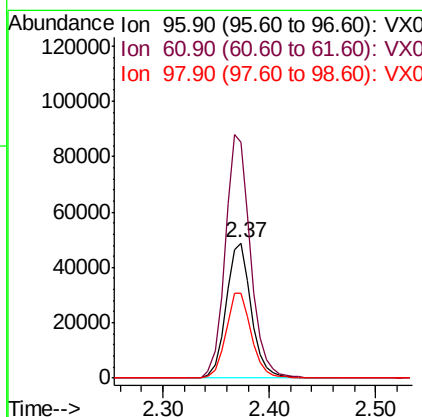
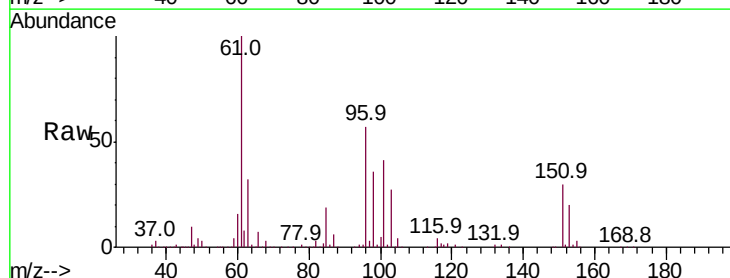
MMDadoda
5/30/2019 9:54:32 AM

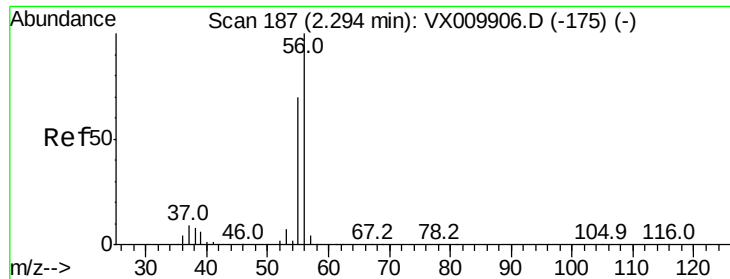


#12

1,1-Dichloroethene
Concen: 50.447 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	96	61	98	Ratio	100	174.4	62.9	Resp	Lower	Upper
96	100									
61		174.4				140.7		211.1		
98		62.9				50.1		75.1		





#13

Acrolein

Concen: 210.113 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 80011

Ion Ratio Lower Upper

56 100

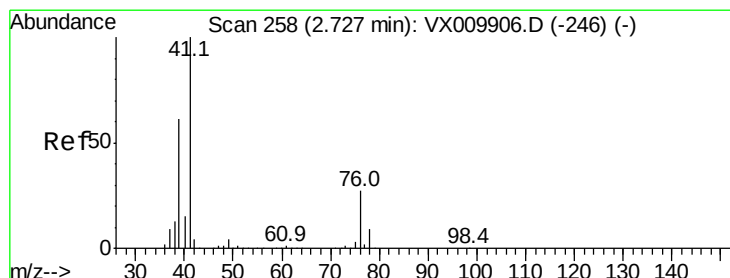
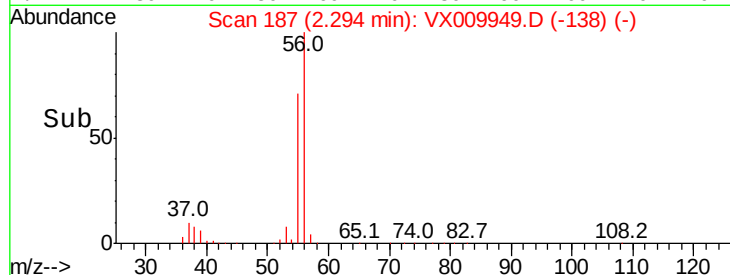
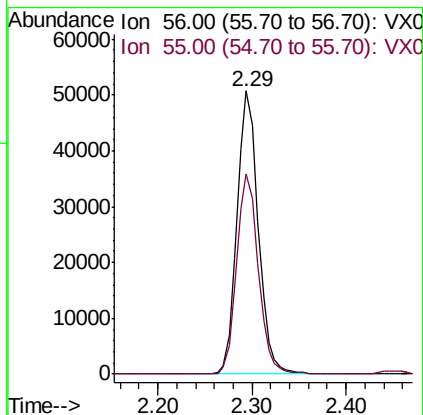
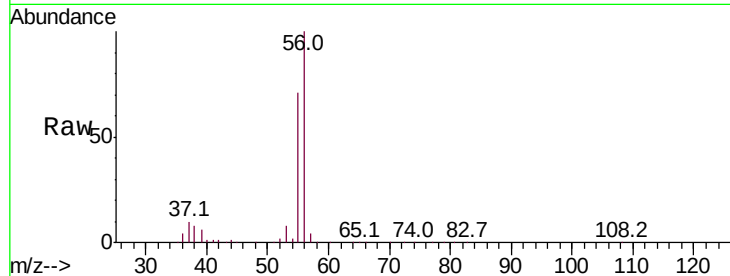
55 72.1 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 52.849 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

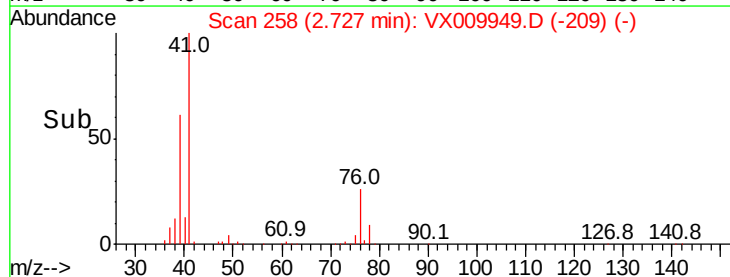
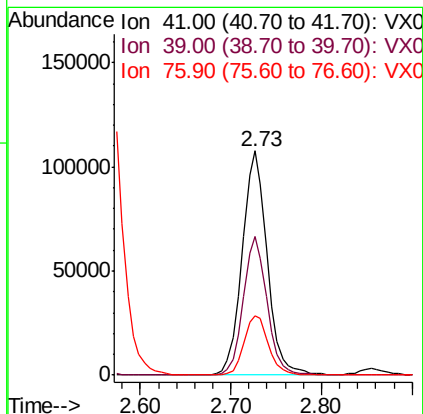
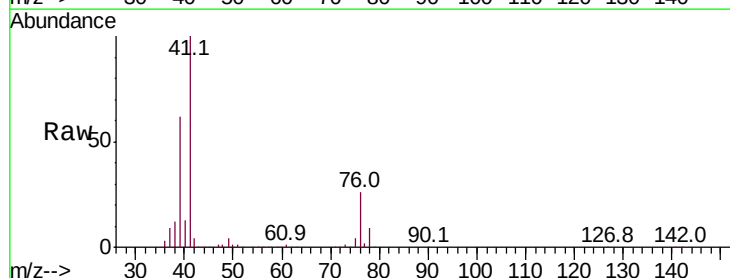
Tgt Ion: 41 Resp: 204607

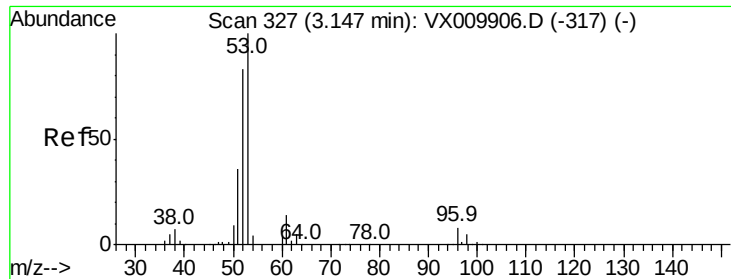
Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 25.5 21.0 31.4





#15

Acrylonitrile

Concen: 256.410 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

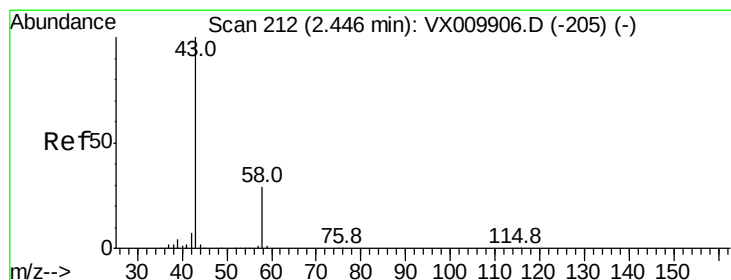
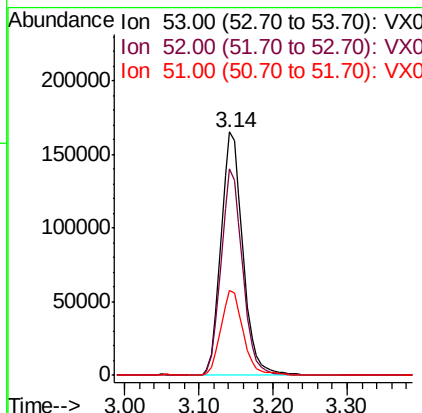
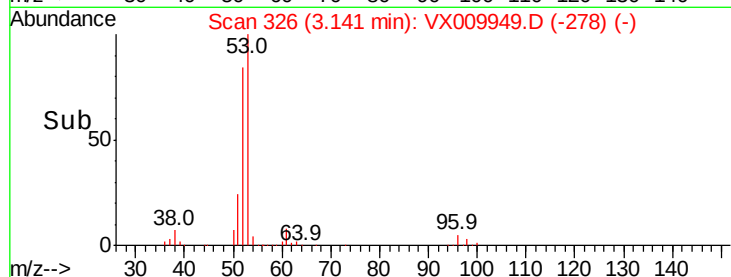
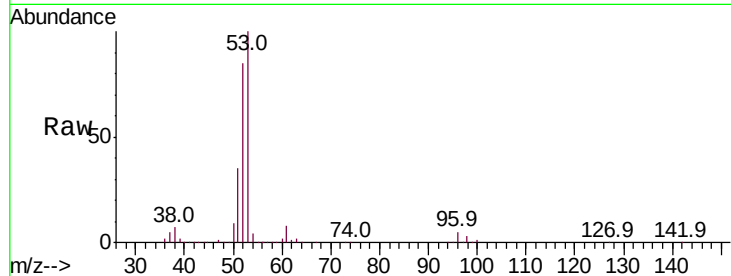
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	337815
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.7	100.1
51	35.7	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 241.749 ug/l

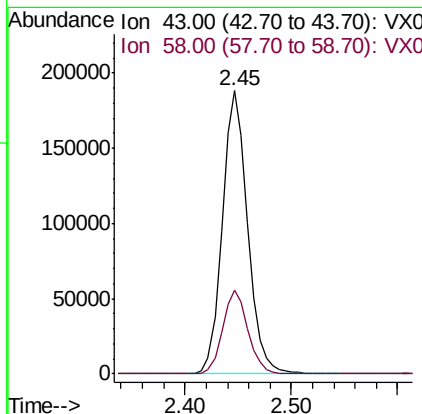
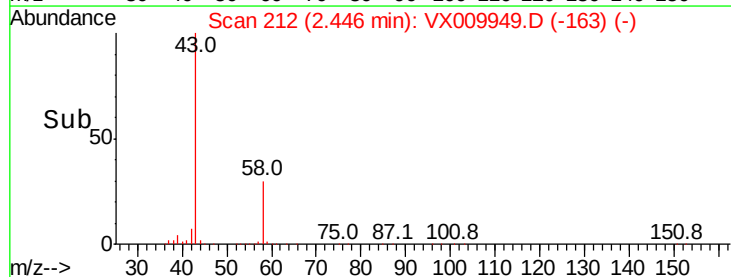
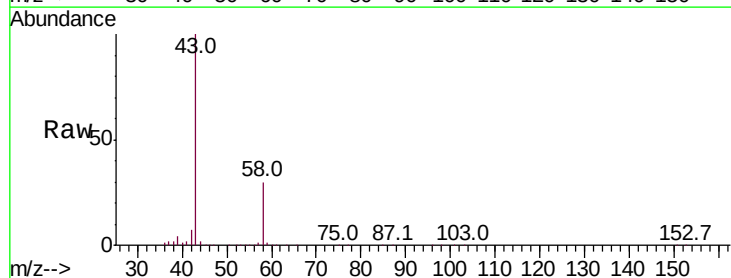
RT: 2.45 min Scan# 212

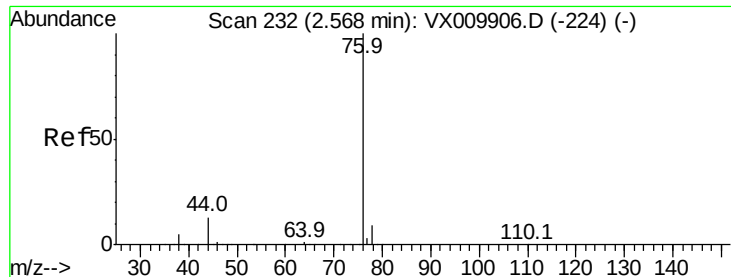
Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	43	Resp:	310339
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.2	34.8





#17

Carbon Disulfide

Concen: 50.507 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 243628

Ion Ratio Lower Upper

76 100

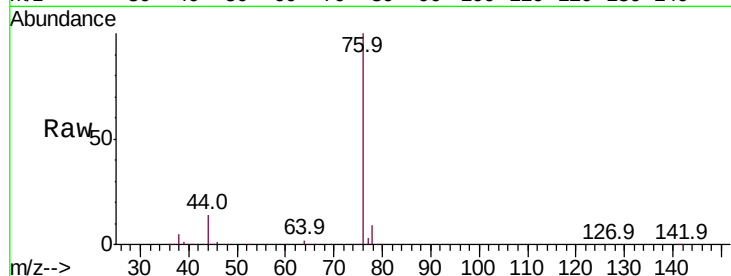
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

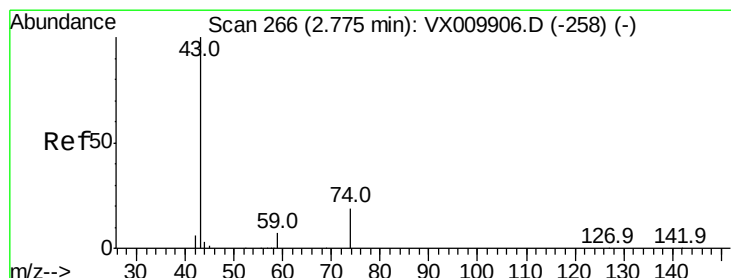
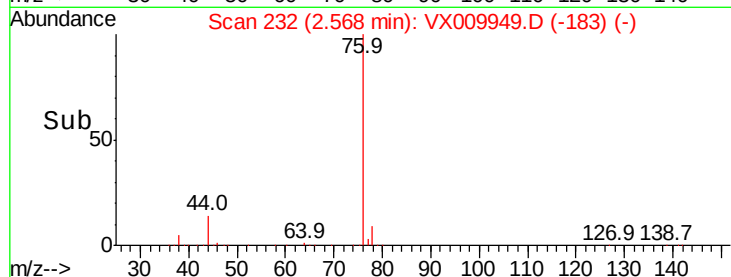
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.080 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009949.D

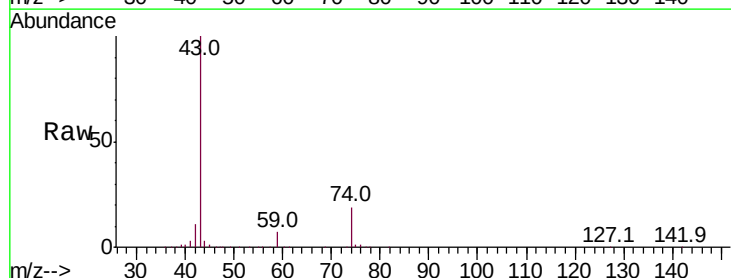
Acq: 29 May 2019 18:47

Tgt Ion: 43 Resp: 158553

Ion Ratio Lower Upper

43 100

74 19.5 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

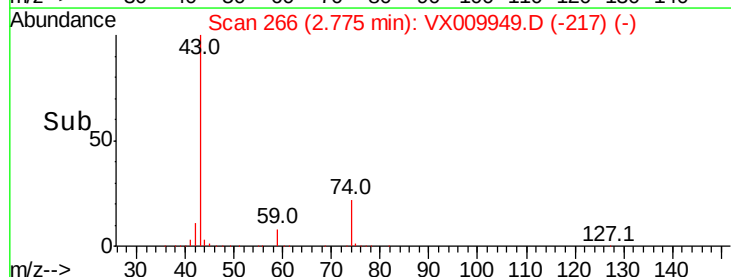
60000

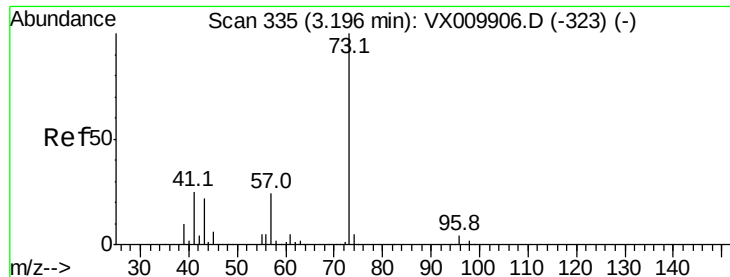
40000

20000

0

Time-->





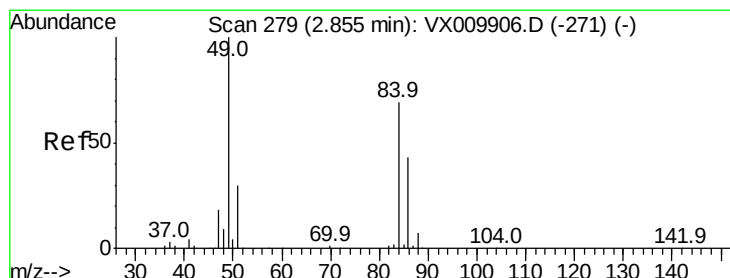
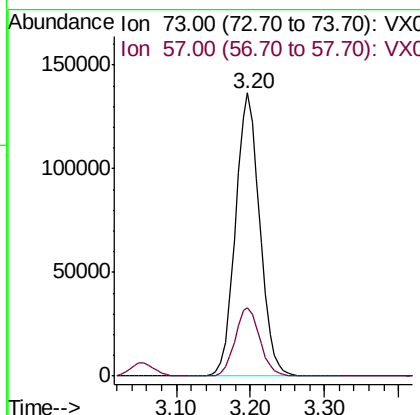
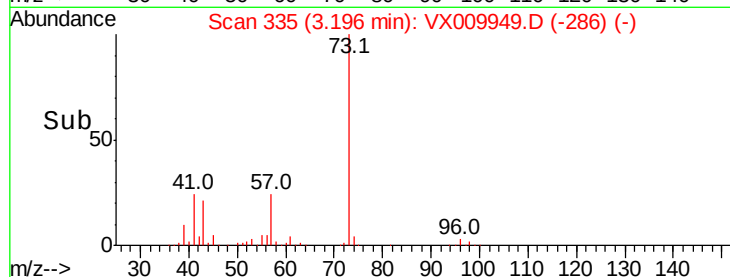
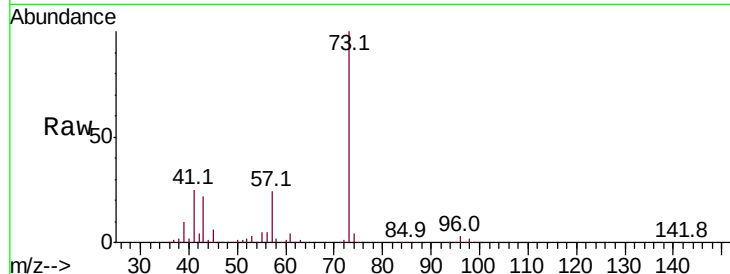
#19
Methyl tert-butyl Ether
Concen: 51.913 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.4	29.2

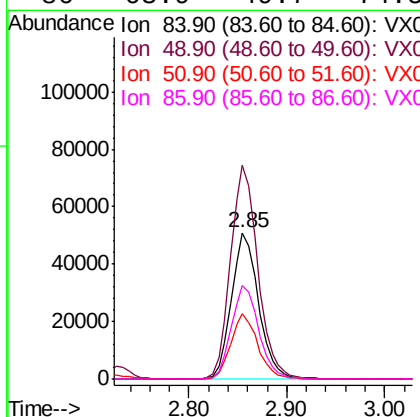
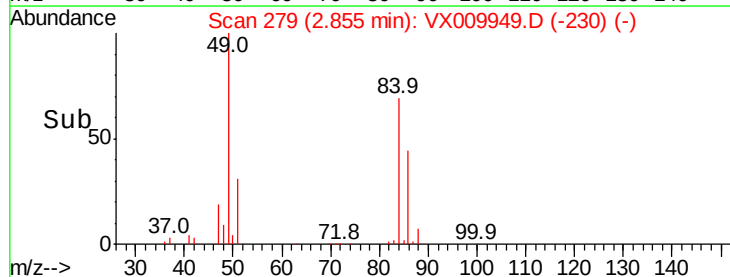
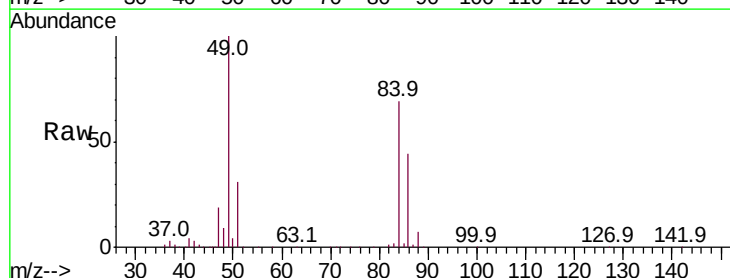
Manual Integrations
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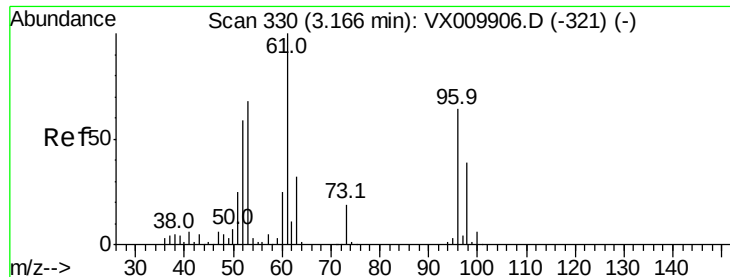
MMDadoda
5/30/2019 9:54:32 AM



#20
Methylene Chloride
Concen: 49.981 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.6	115.8	173.6
51	45.0	34.4	51.6
86	63.9	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 49.242 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 87275

Ion Ratio Lower Upper

96 100

61 154.9 125.7 188.5

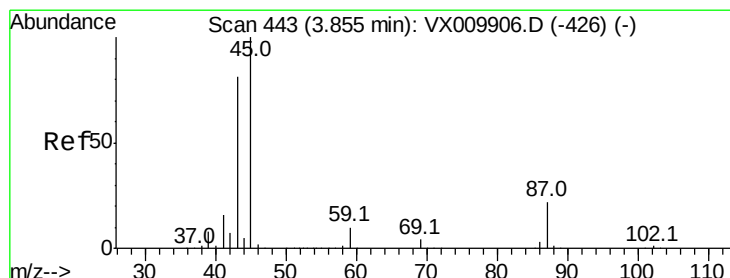
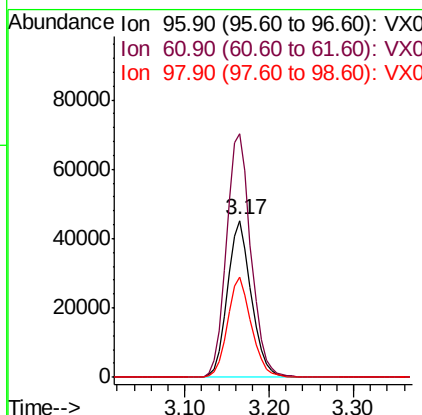
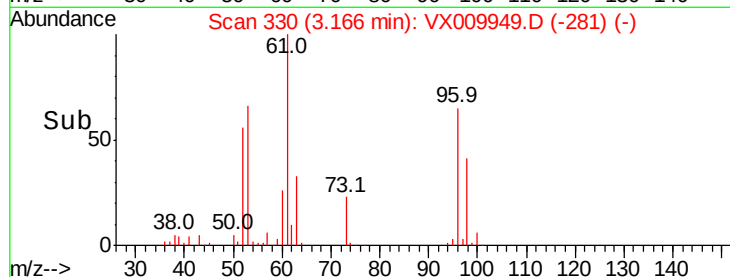
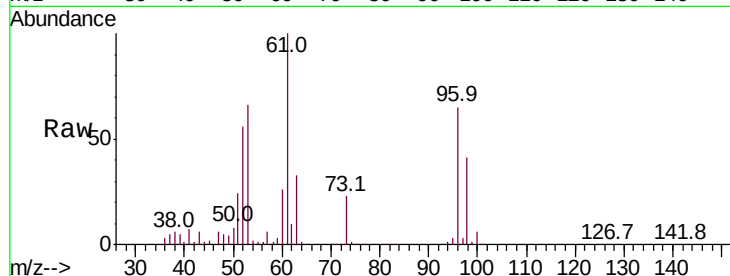
98 63.7 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.029 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion: 45 Resp: 390633

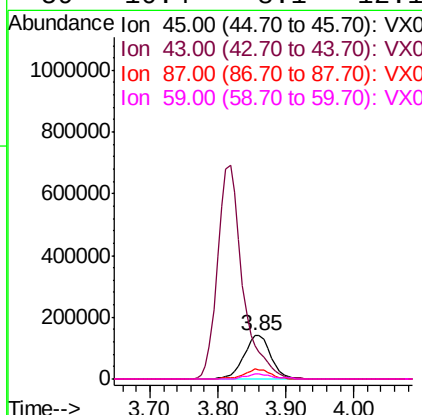
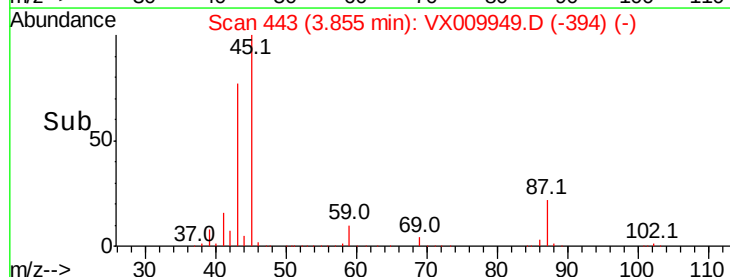
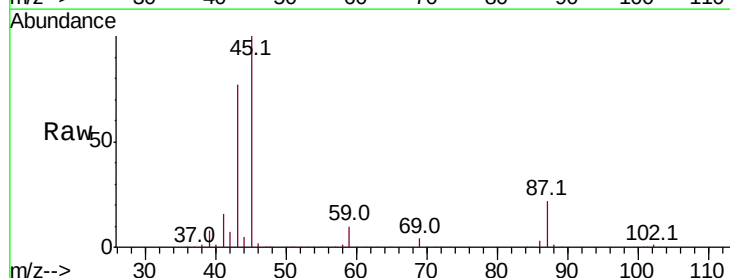
Ion Ratio Lower Upper

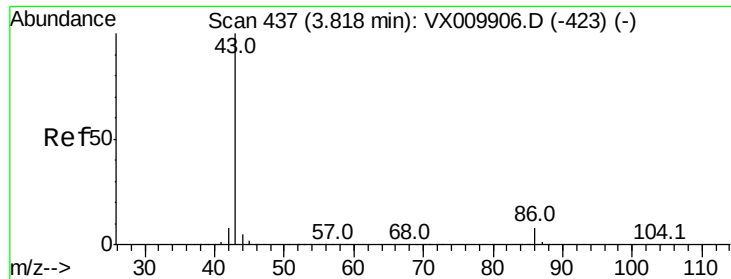
45 100

43 77.0 65.0 97.4

87 22.2 17.3 25.9

59 10.4 8.1 12.1





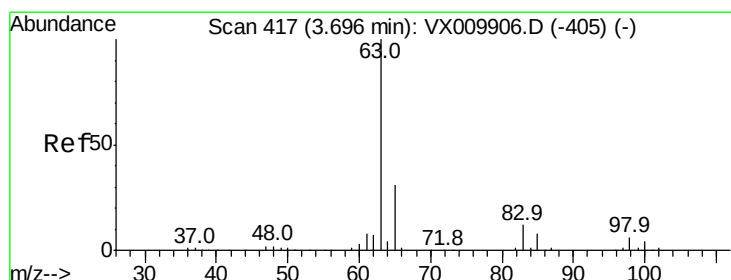
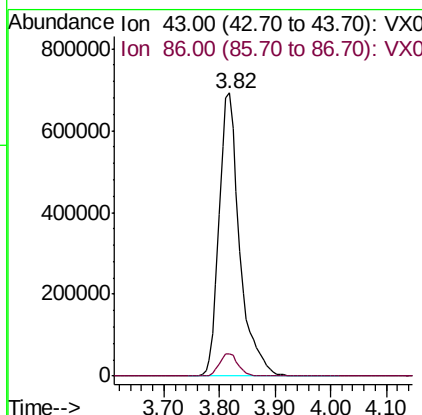
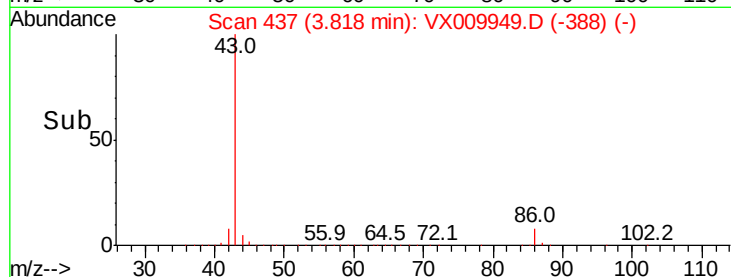
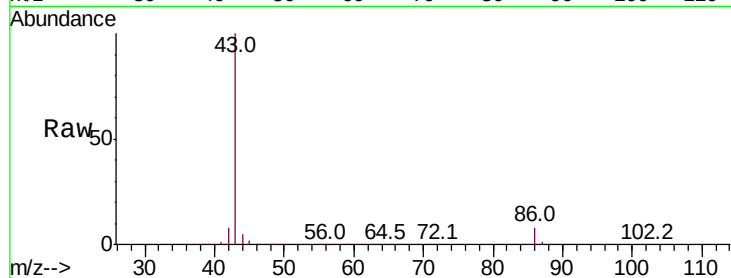
#23
Vinyl Acetate
Concen: 268.501 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1776828
Ion Ratio Lower Upper
43 100
86 8.1 6.5 9.7

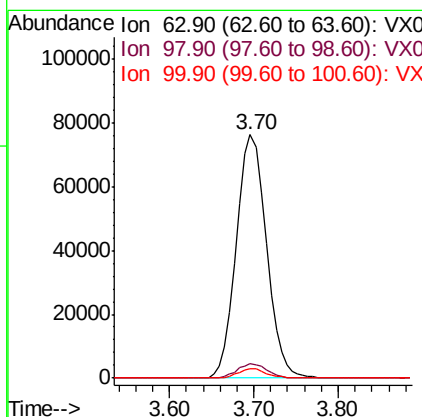
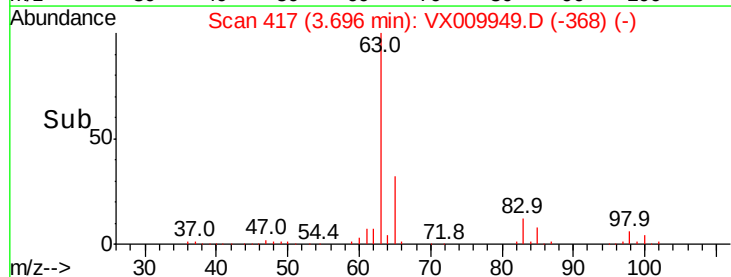
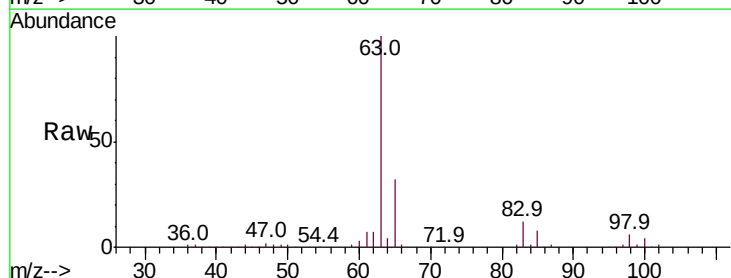
Manual Integrations
APPROVED

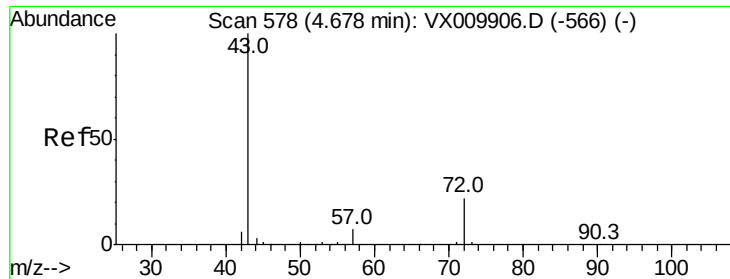
MMDadoda
5/30/2019 9:54:32 AM



#24
1,1-Dichloroethane
Concen: 51.798 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion: 63 Resp: 184914
Ion Ratio Lower Upper
63 100
98 5.9 2.9 8.8
100 3.9 1.8 5.4





#25

2-Butanone

Concen: 260.950 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 521905

Ion Ratio Lower Upper

43 100

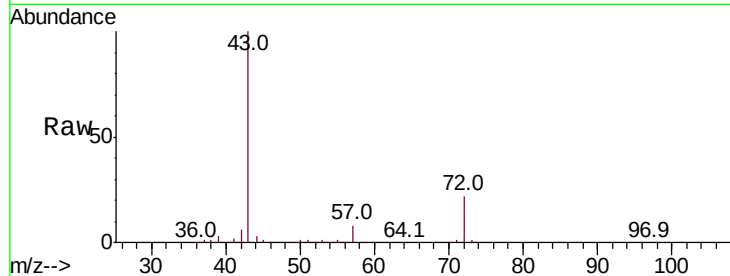
72 21.7 17.5 26.3

Manual Integrations

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MMDadoda

5/30/2019 9:54:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

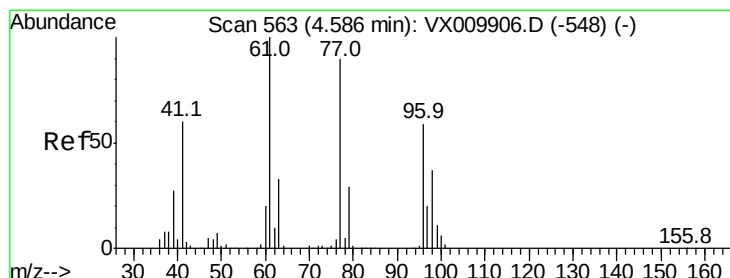
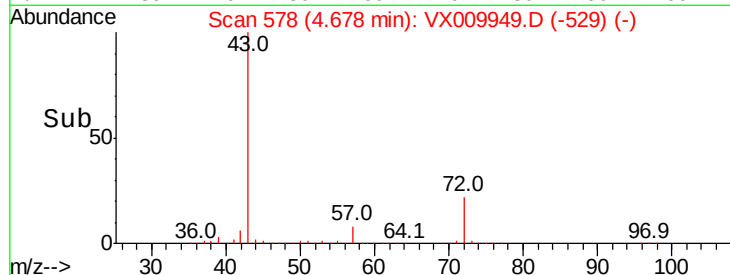
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 48.510 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX009949.D

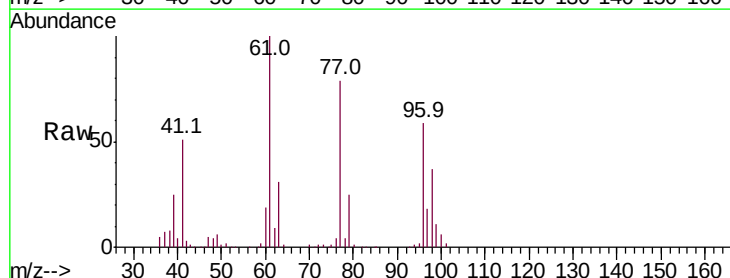
Acq: 29 May 2019 18:47

Tgt Ion: 77 Resp: 130999

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

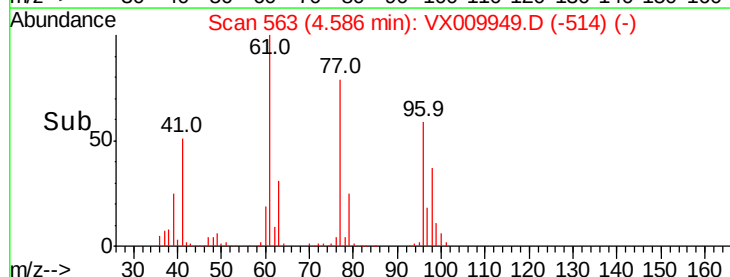
0

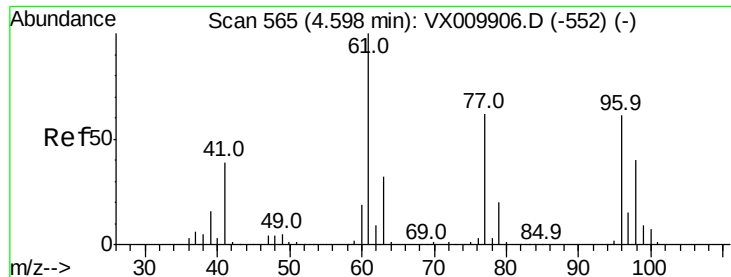
4.50

4.60

4.70

Time-->





#27

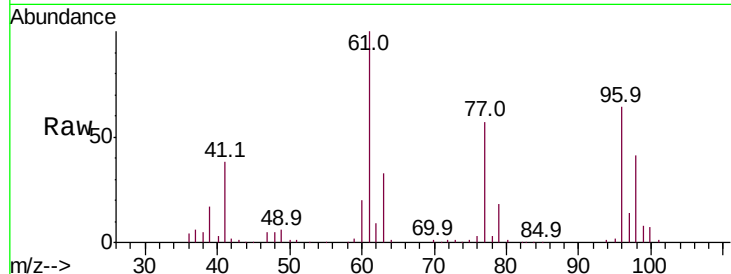
cis-1,2-Dichloroethene
 Concen: 49.914 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

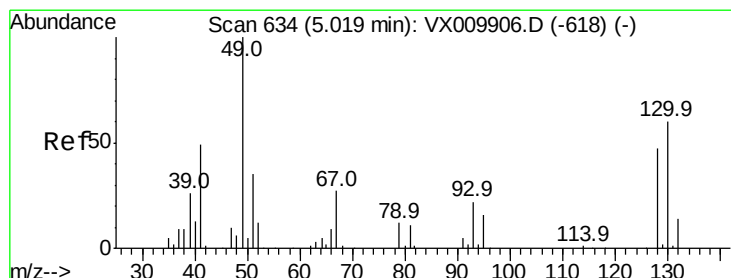
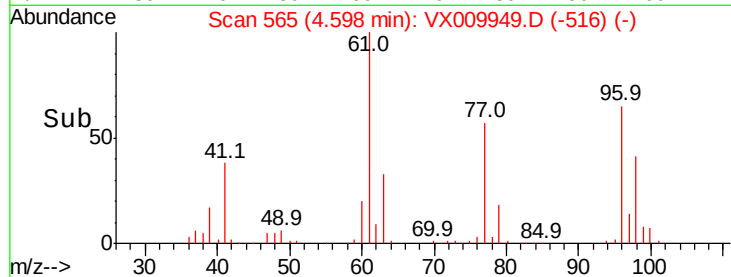
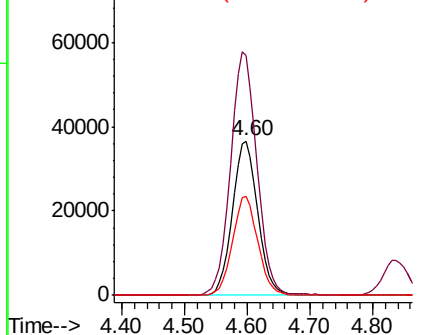
Tot Ion	96	Resp	102120
Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	334.0
98	64.3	0.0	131.6

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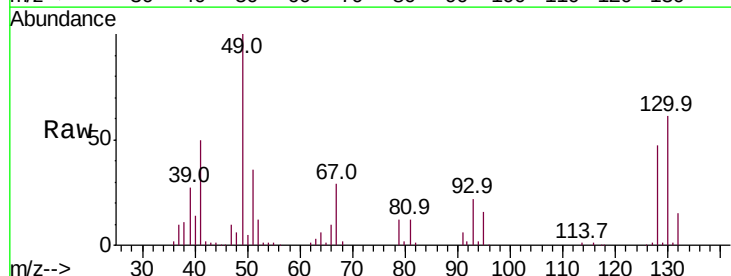
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



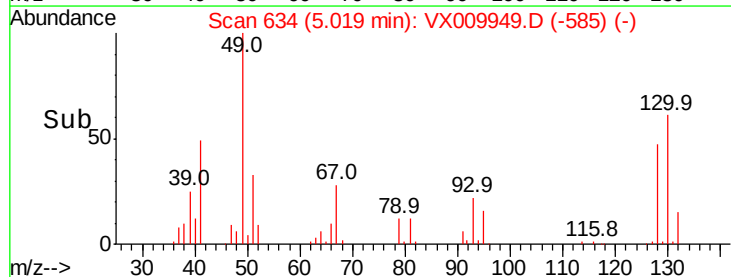
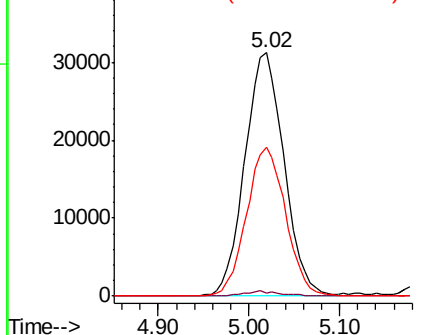
#28

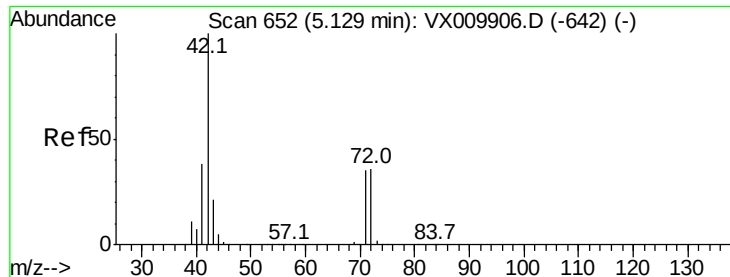
Bromochloromethane
 Concen: 50.546 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	49	Resp	93638
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	60.9	49.4	74.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





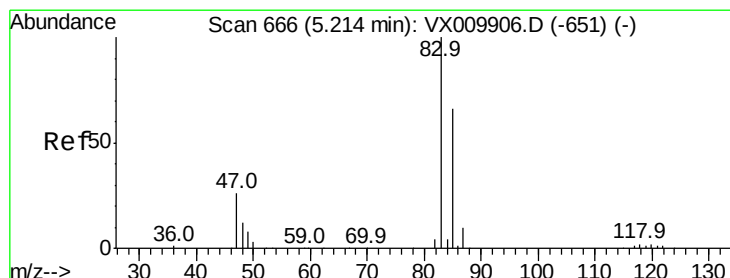
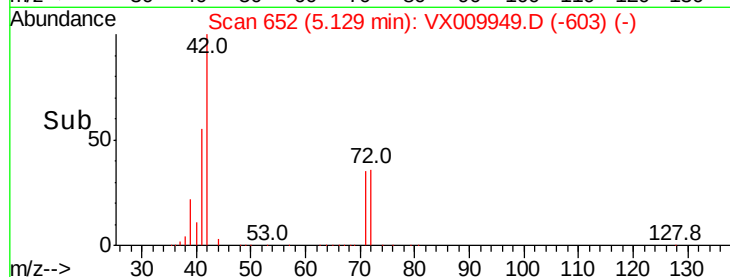
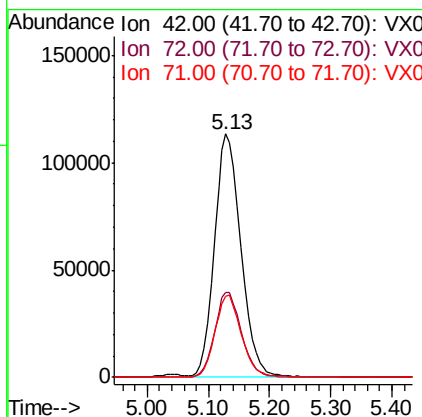
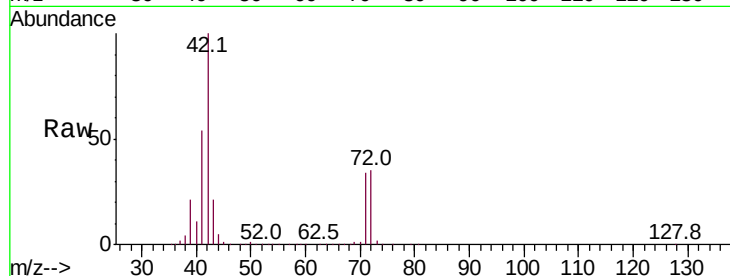
#29
Tetrahydrofuran
Concen: 265.502 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.2	43.8
71	34.0	27.6	41.4

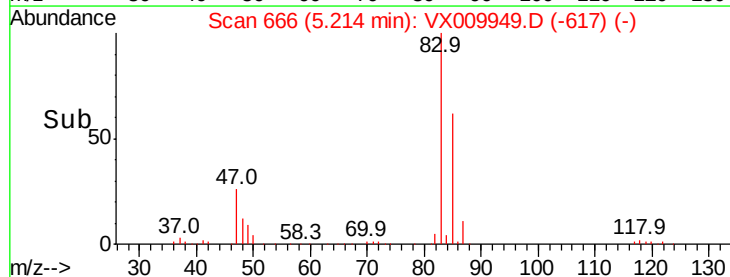
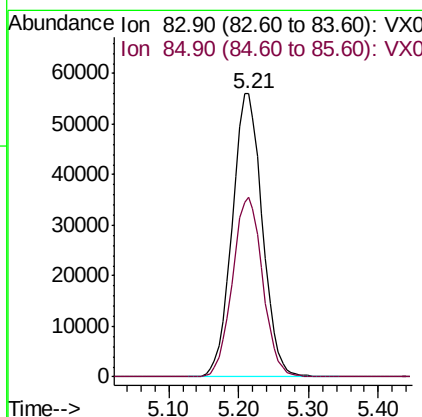
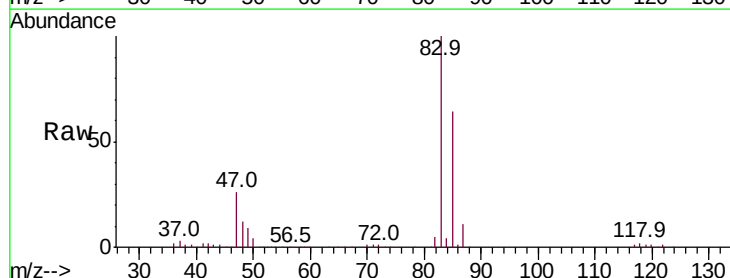
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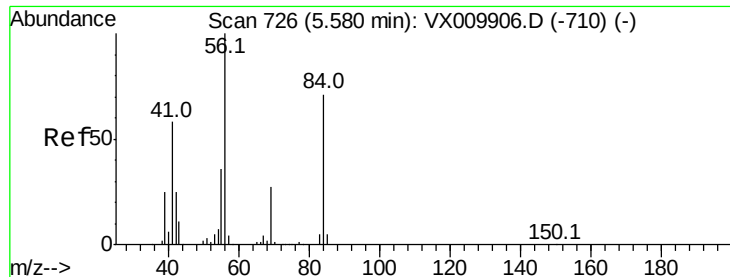
MMDadoda
5/30/2019 9:54:32 AM



#30
Chloroform
Concen: 52.069 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





#31

Cyclohexane

Concen: 53.876 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

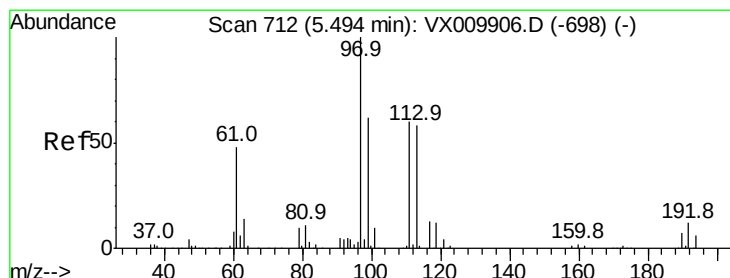
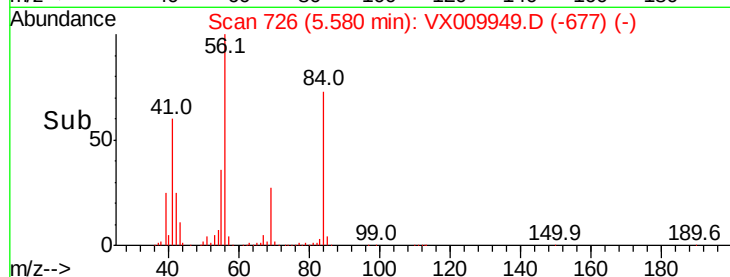
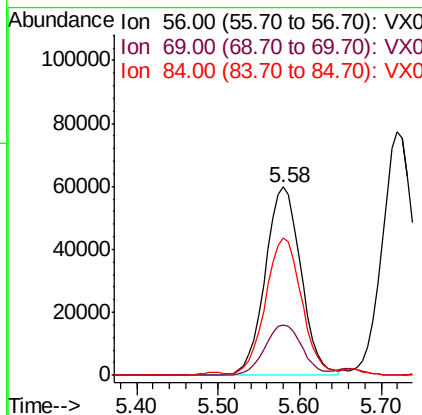
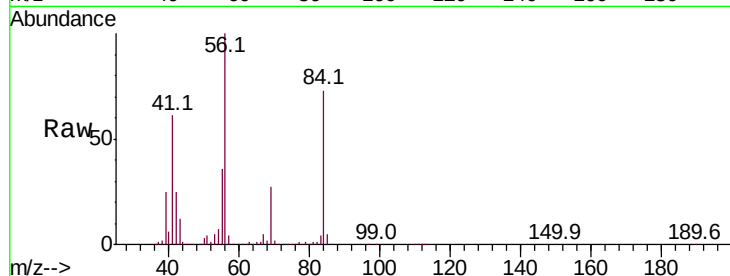
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	182163
Ion	Ratio	Lower	Upper
56	100		
69	26.8	21.6	32.4
84	72.7	56.8	85.2

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#32

1,1,1-Trichloroethane

Concen: 53.683 ug/l

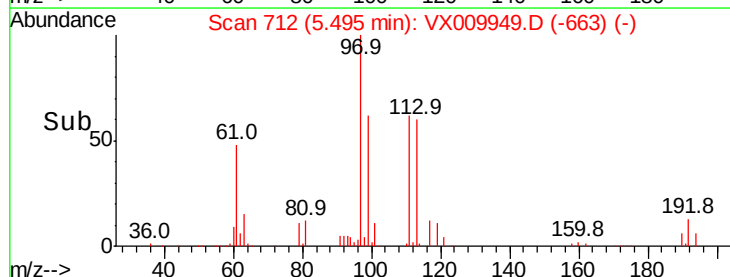
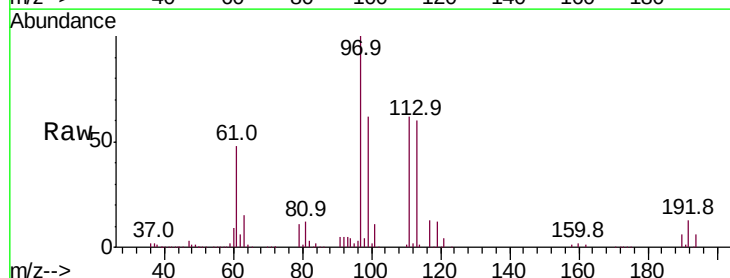
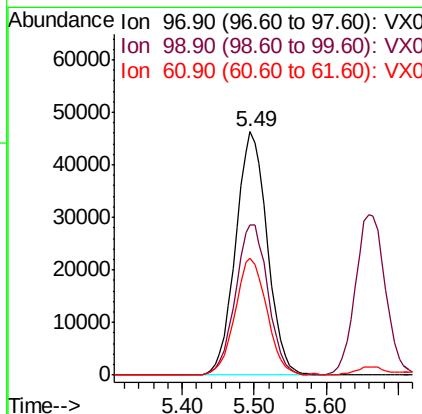
RT: 5.49 min Scan# 712

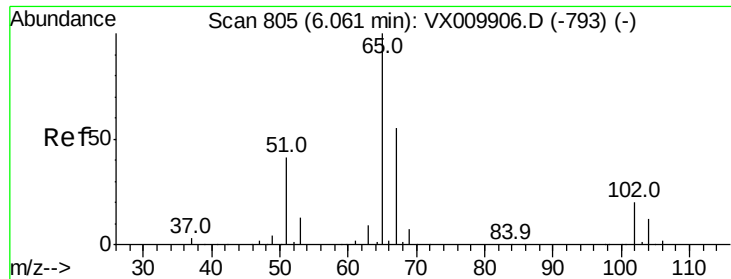
Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	97	Resp:	140756
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	48.3	38.7	58.1





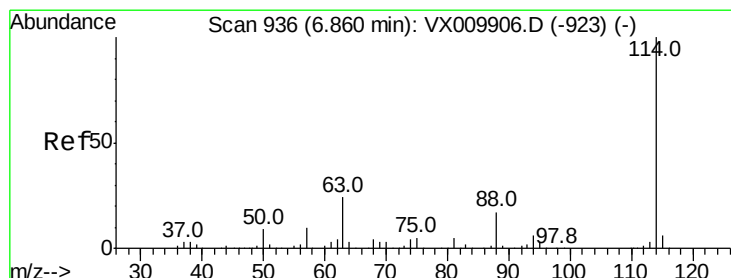
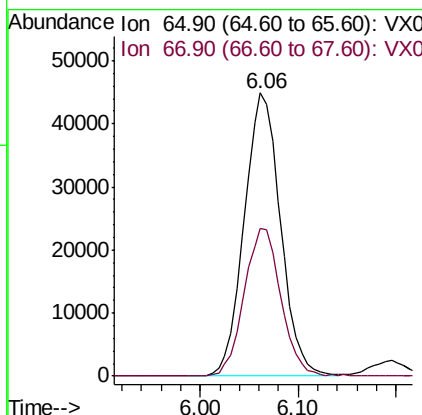
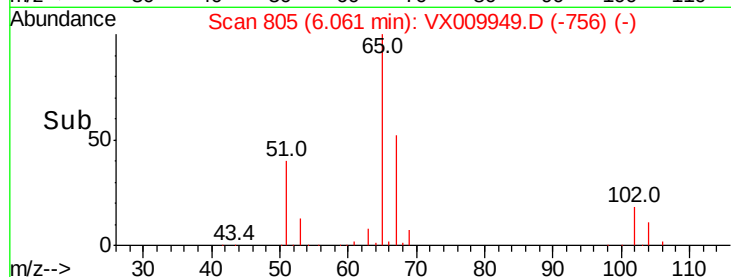
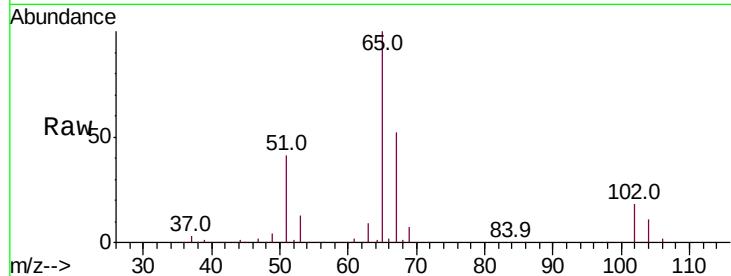
#33
 1,2-Dichloroethane-d4
 Concen: 52.181 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	108.4

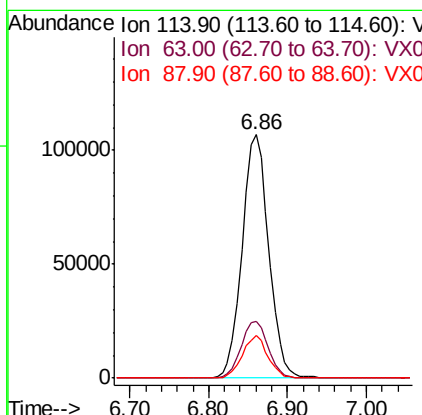
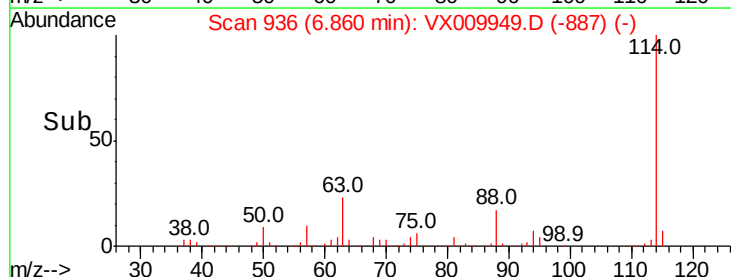
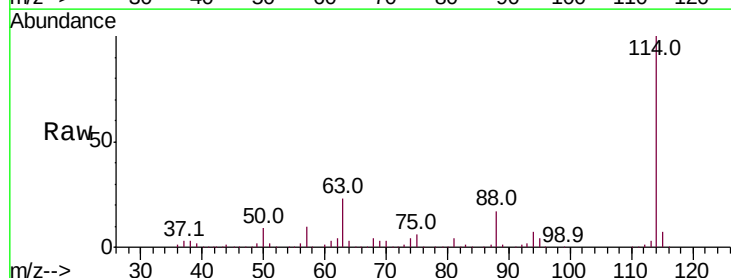
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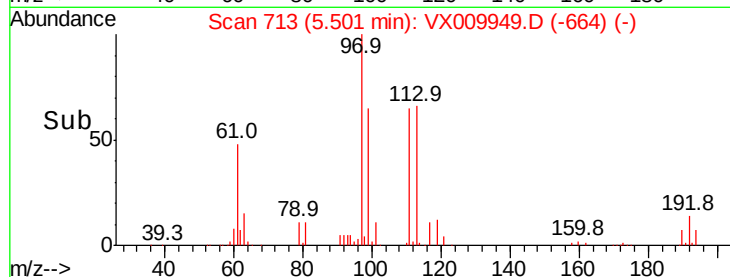
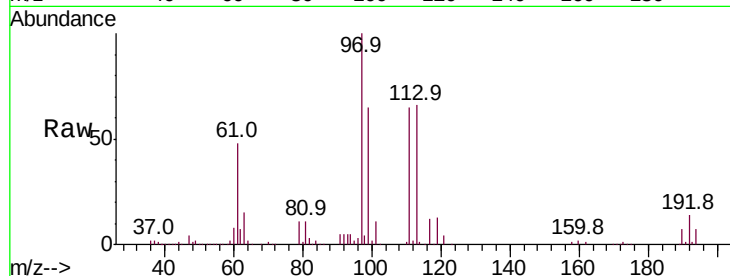
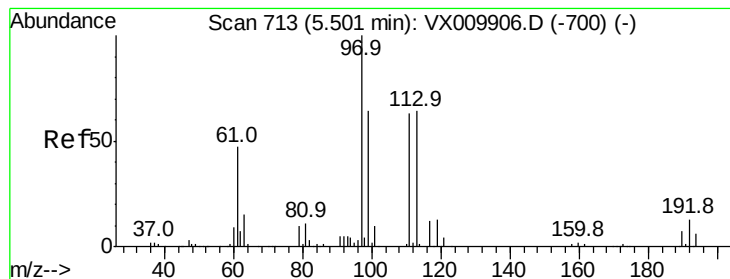
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 5/30/2019 9:54:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	47.4
88	17.3	0.0	33.0





#35

Dibromofluoromethane

Concen: 52.621 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009949.D

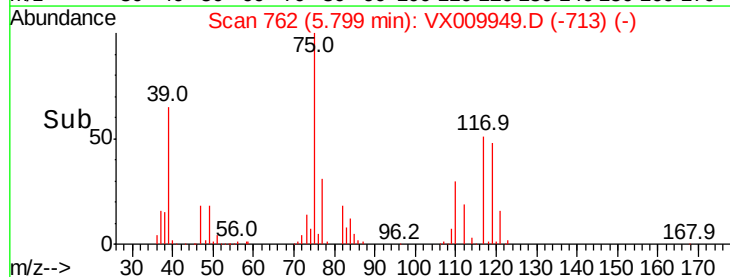
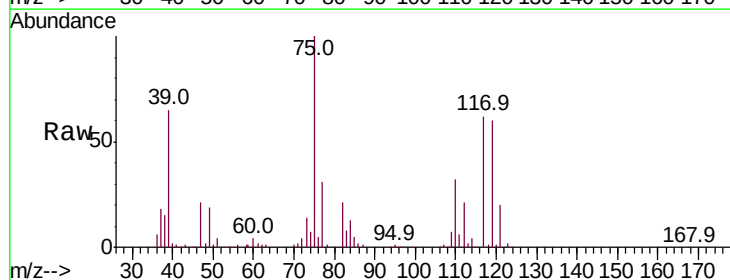
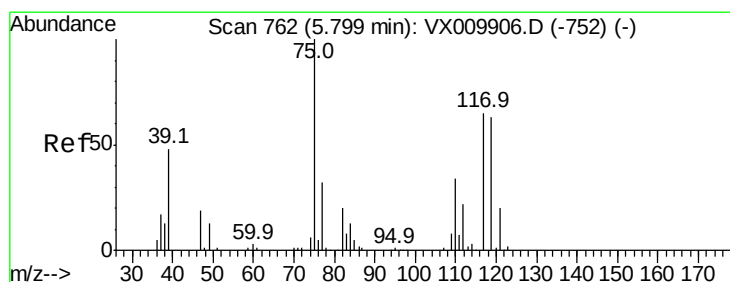
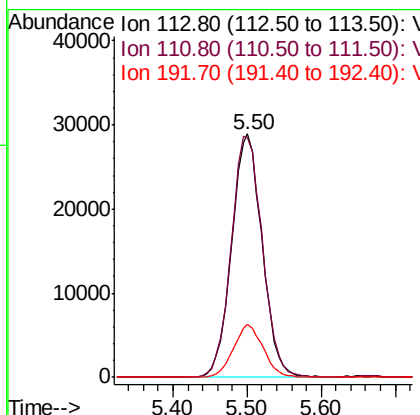
Acq: 29 May 2019 18:47

Tot Ion:	113	Resp:	83080
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	21.3	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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5/30/2019 9:54:32 AM



#36

1,1-Dichloropropene

Concen: 50.979 ug/l

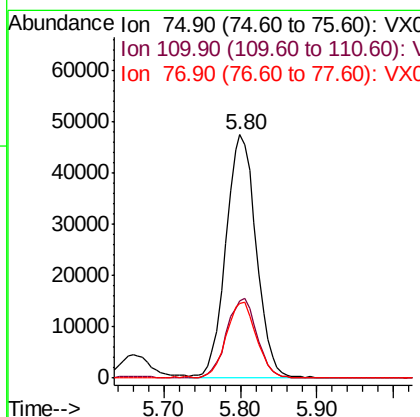
RT: 5.80 min Scan# 762

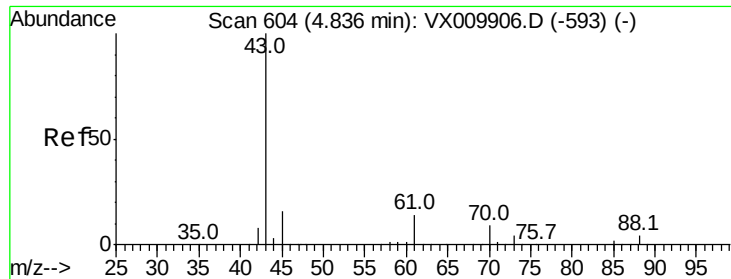
Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	75	Resp:	129891
Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.7	50.1
77	31.2	25.0	37.4





#37

Ethyl Acetate

Concen: 54.510 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

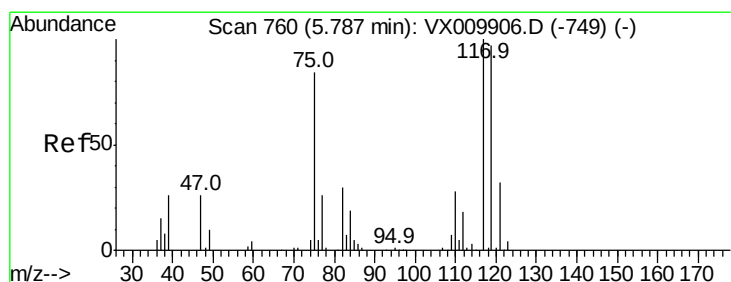
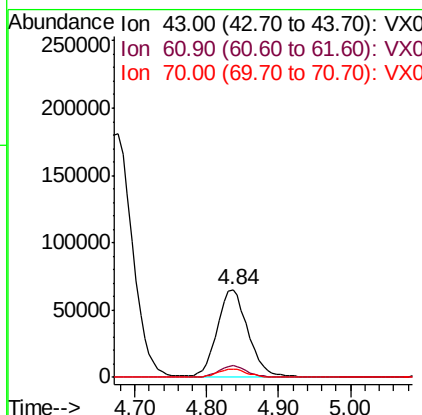
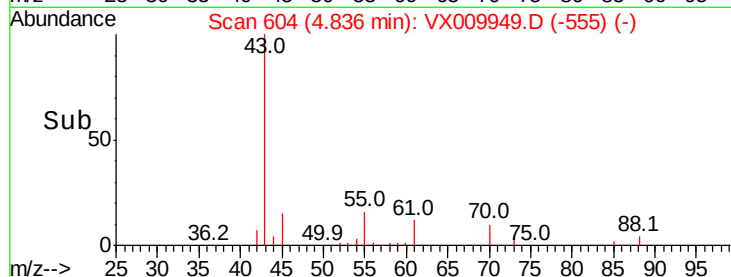
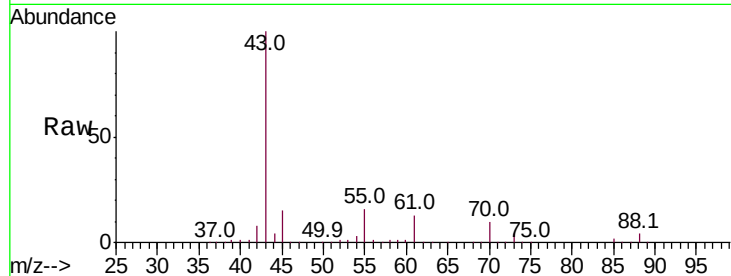
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	193522
Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	9.3	7.4	11.2

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#38

Carbon Tetrachloride

Concen: 52.527 ug/l

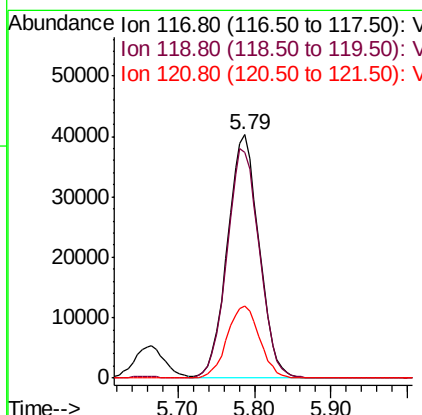
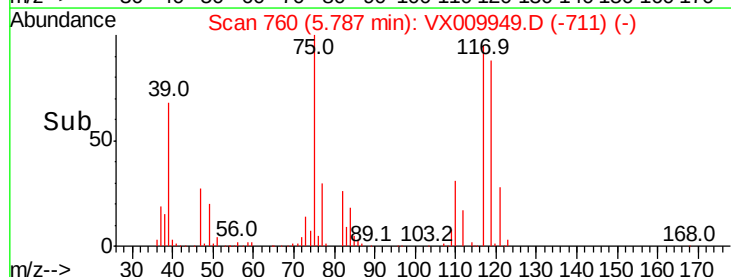
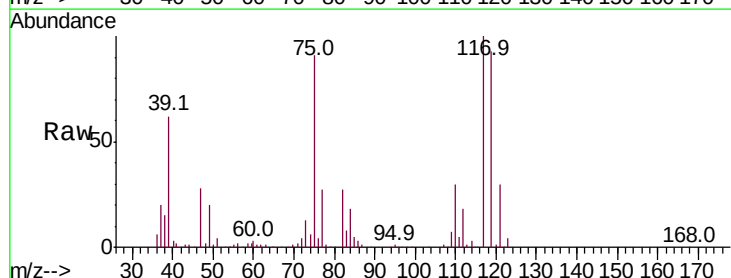
RT: 5.79 min Scan# 760

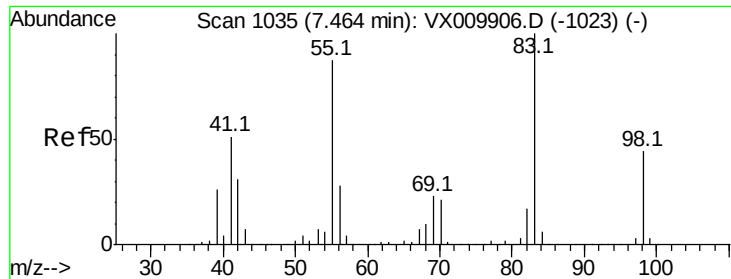
Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	117	Resp:	115652
Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.3	115.9
121	29.5	25.4	38.0





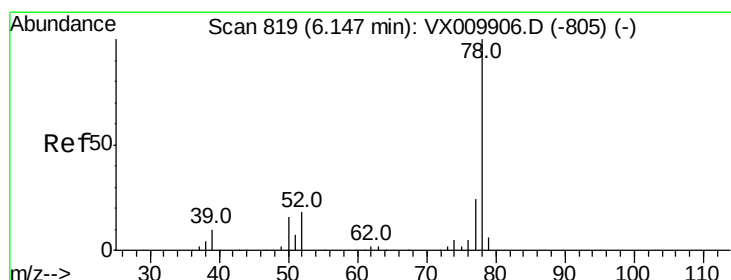
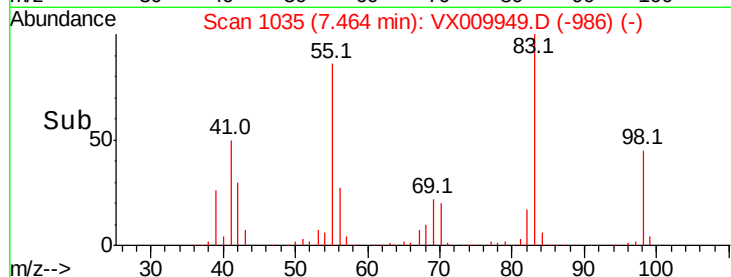
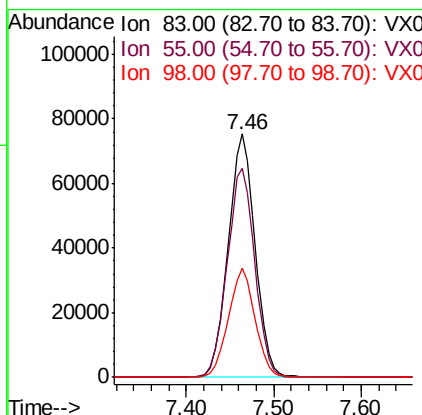
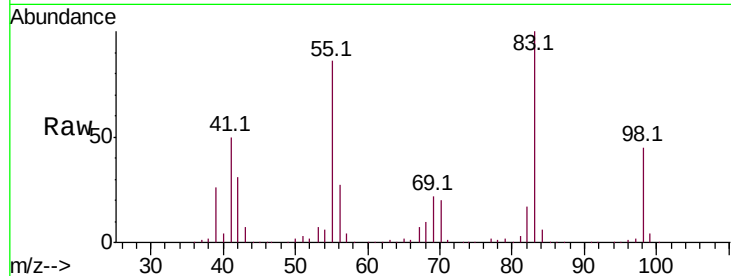
#39
Methvlcvclohexane
Concen: 53.195 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	69.9	104.9
98	44.6	35.1	52.7

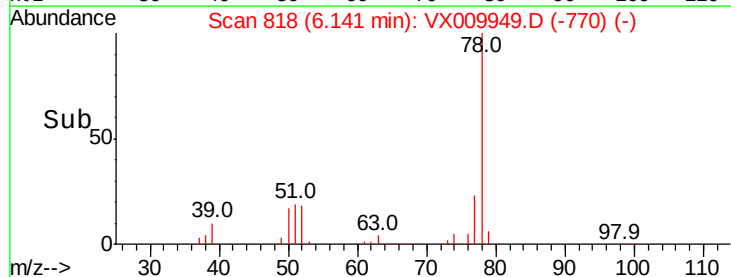
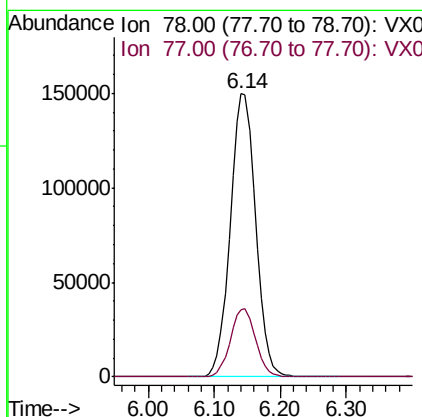
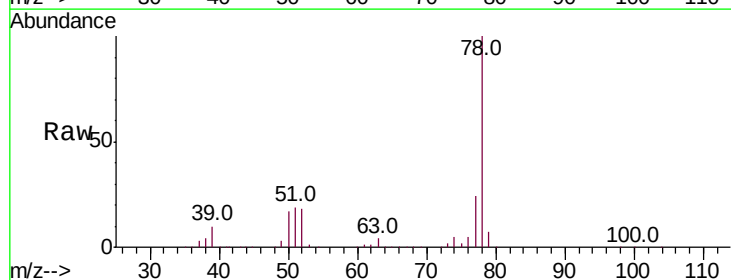
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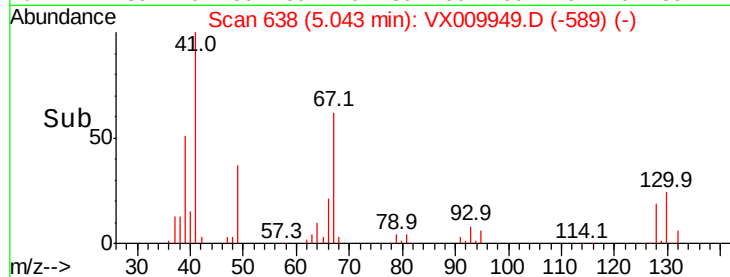
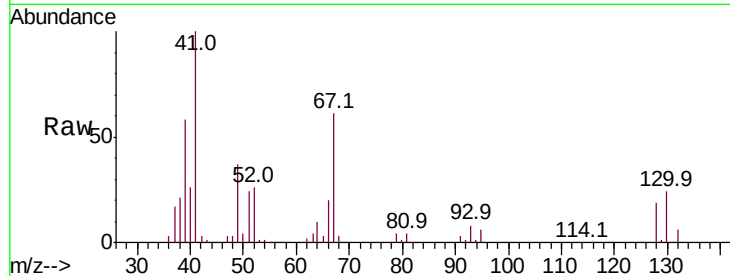
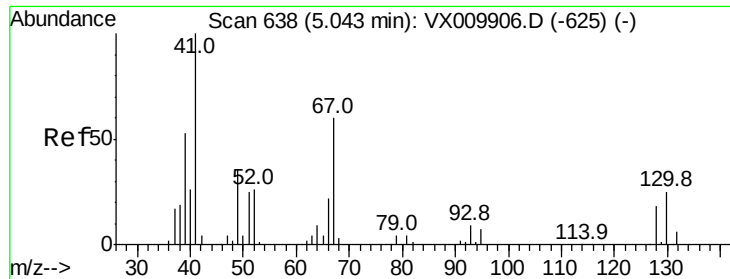
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#40
Benzene
Concen: 52.808 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





#41

Methacrylonitrile

Concen: 52.141 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	42.2	63.4	
67	60.5	48.9	73.3	
52	25.0	20.1	30.1	

Instrument :

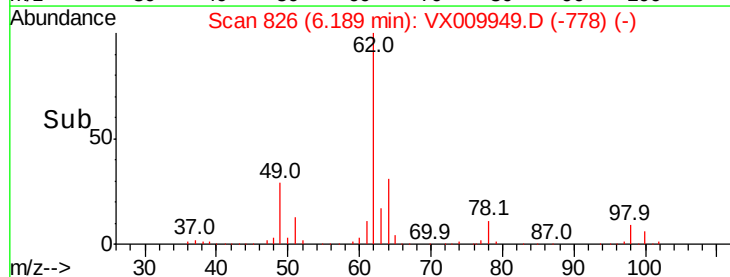
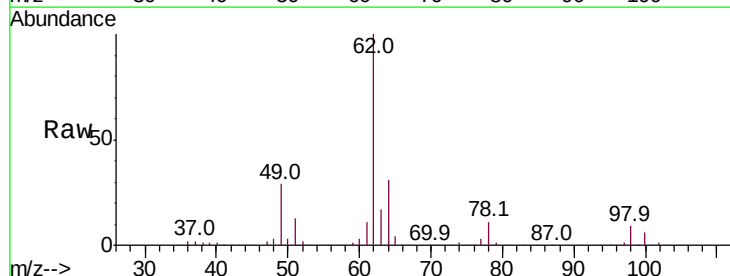
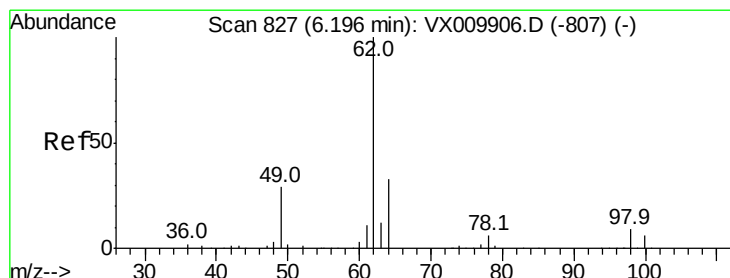
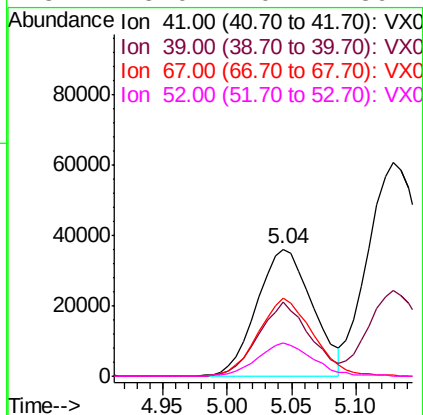
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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MMDadoda
5/30/2019 9:54:32 AM



#42

1,2-Dichloroethane

Concen: 51.810 ug/l

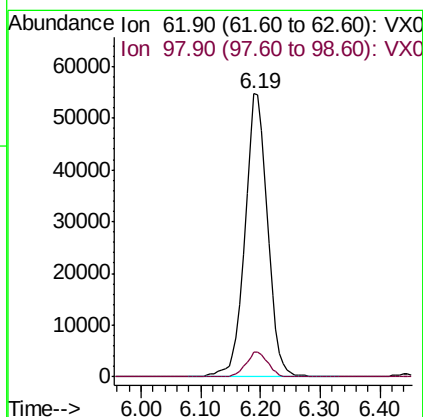
RT: 6.19 min Scan# 826

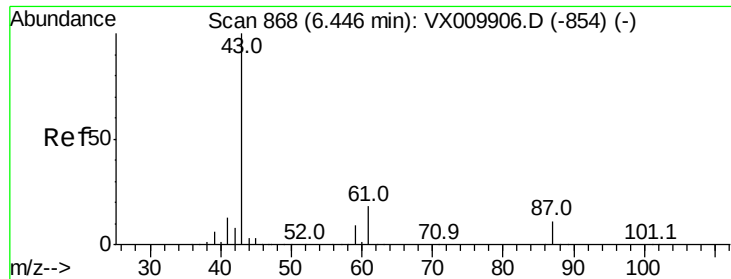
Delta R.T. -0.01 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





#43

Isopropyl Acetate

Concen: 52.556 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

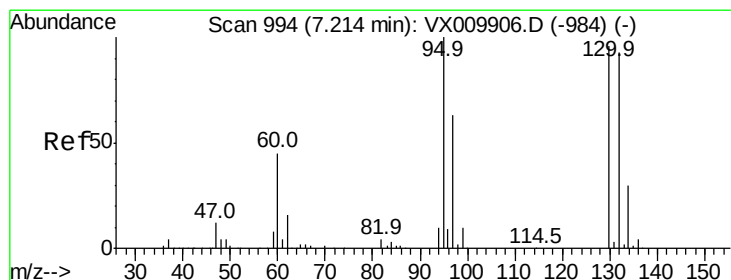
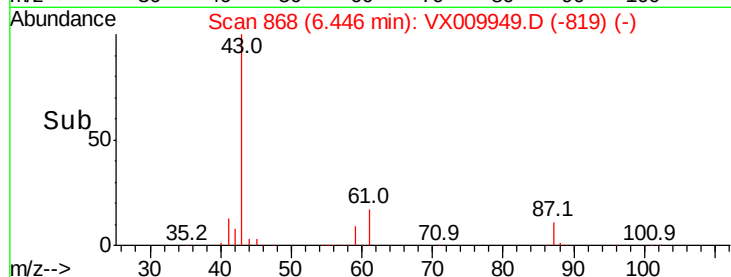
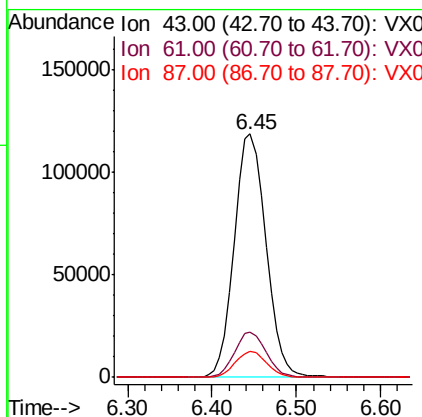
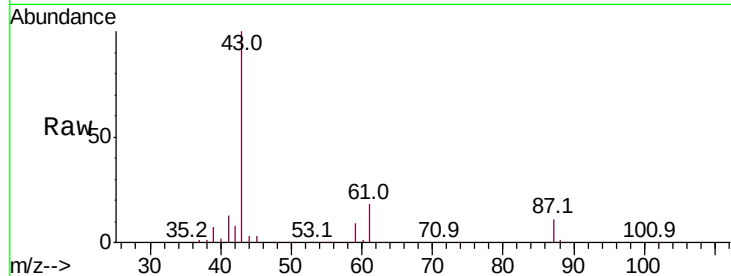
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	301062
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	10.6	8.7	13.1

Manual Integrations
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#44

Trichloroethene

Concen: 49.801 ug/l

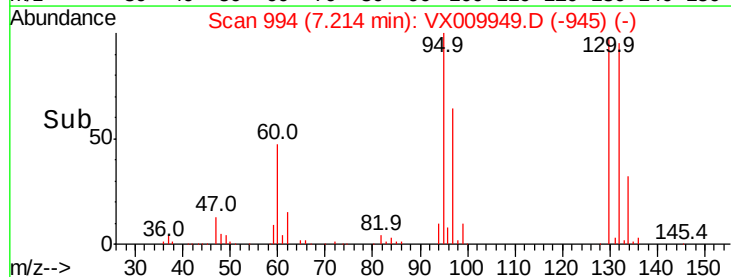
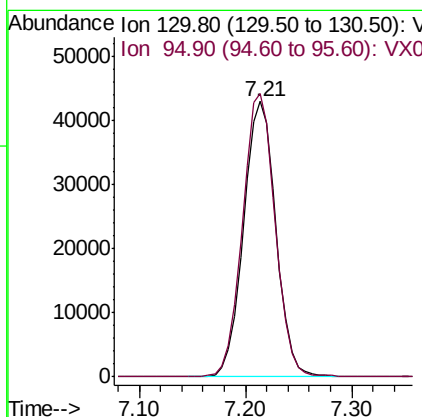
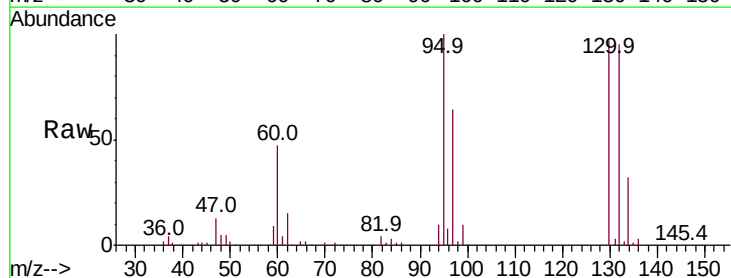
RT: 7.21 min Scan# 994

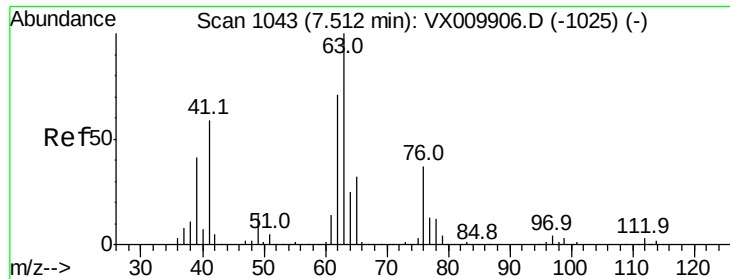
Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	130	Resp:	91432
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	207.4





#45

1,2-Dichloropropane

Concen: 52.473 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 114171

Ion Ratio Lower Upper

63 100

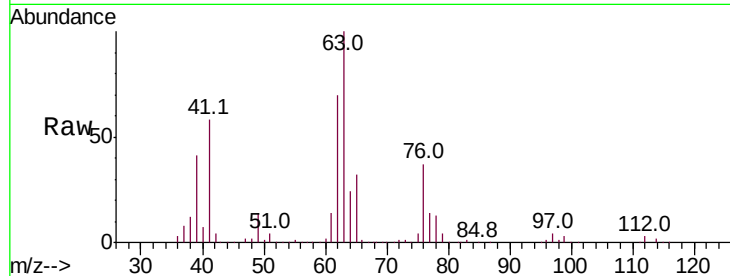
65 32.3 25.7 38.5

Manual Integrations

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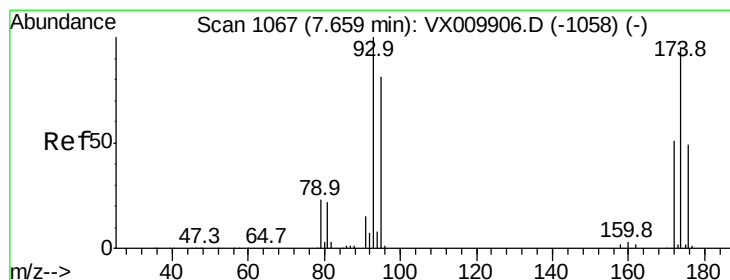
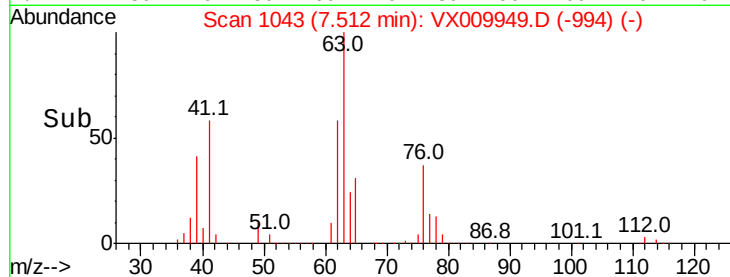
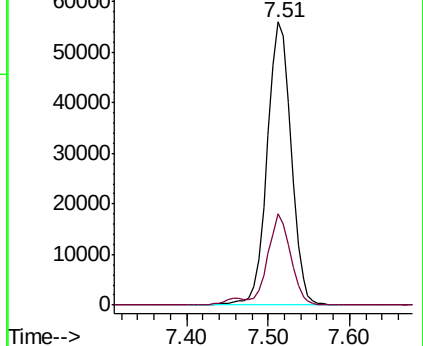
MMDadoda

5/30/2019 9:54:32 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.135 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

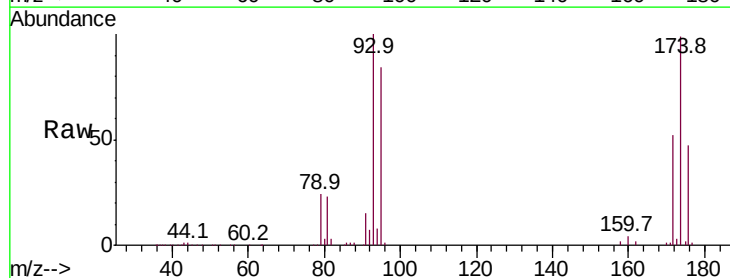
Tgt Ion: 93 Resp: 64209

Ion Ratio Lower Upper

93 100

95 82.8 66.8 100.2

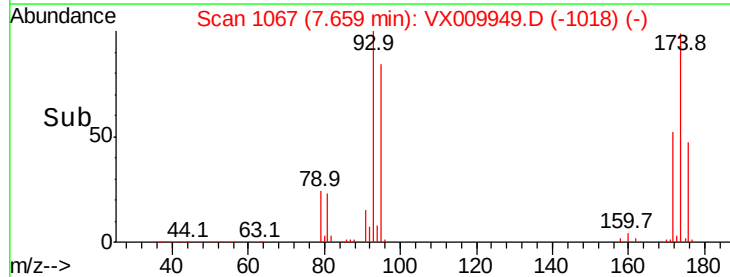
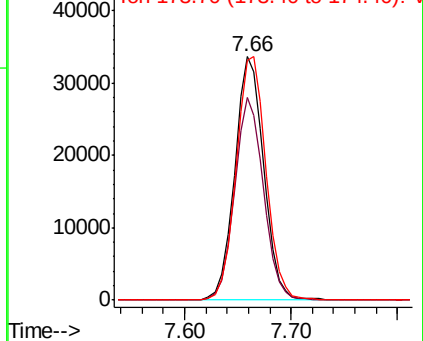
174 103.1 81.9 122.9

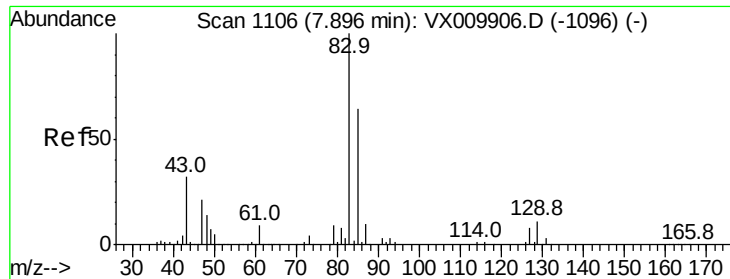


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.297 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

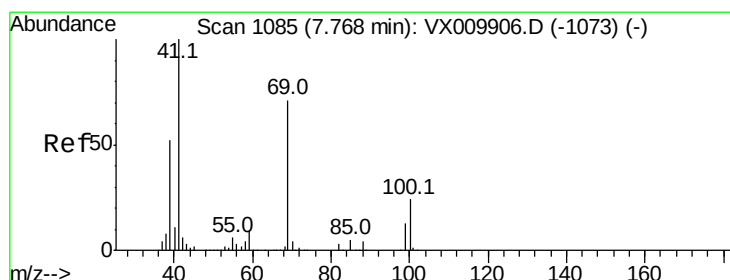
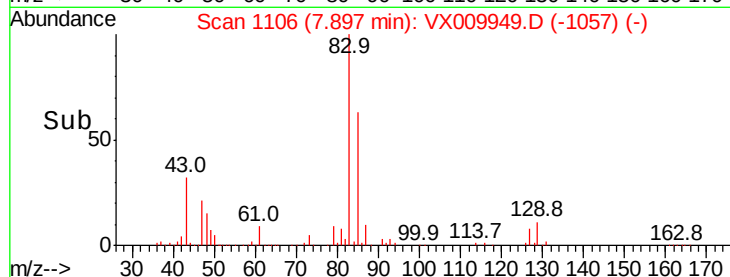
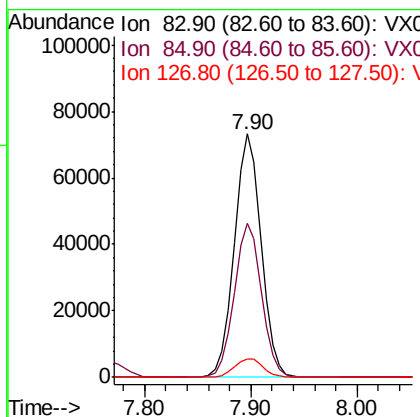
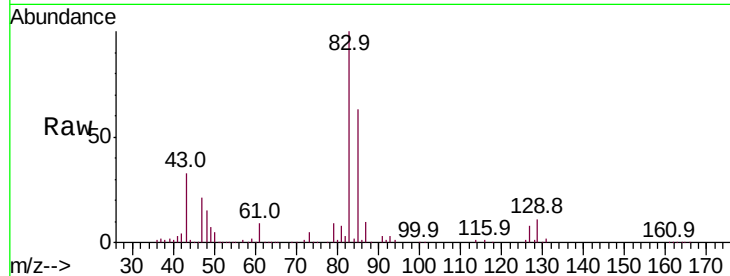
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	129802
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.2
127	7.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.128 ug/l

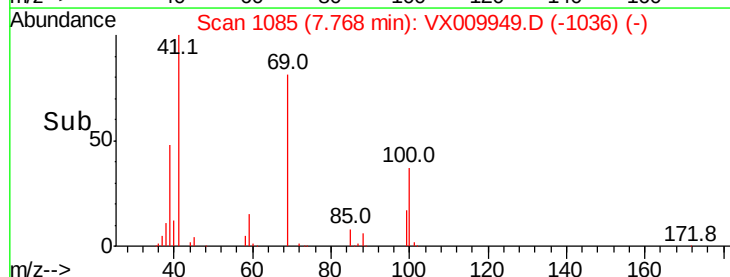
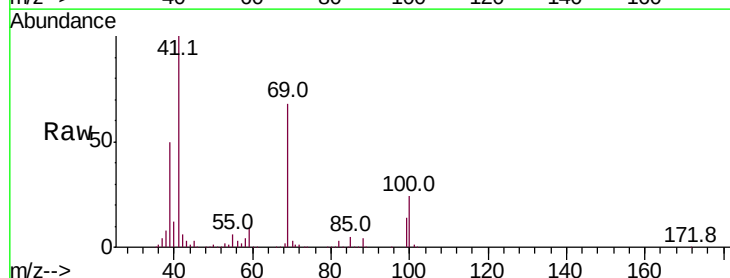
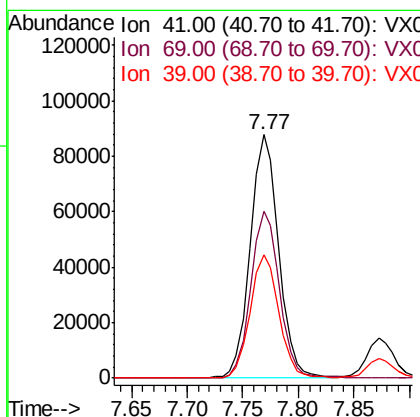
RT: 7.77 min Scan# 1085

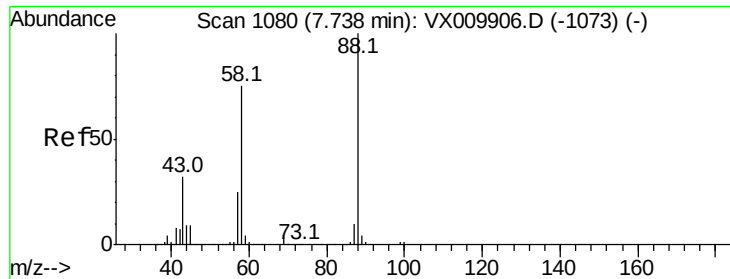
Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Tgt Ion:	41	Resp:	156331
Ion	Ratio	Lower	Upper
41	100		
69	69.4	56.4	84.6
39	51.1	40.6	60.8





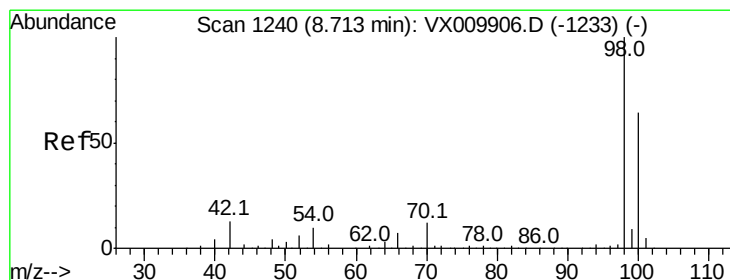
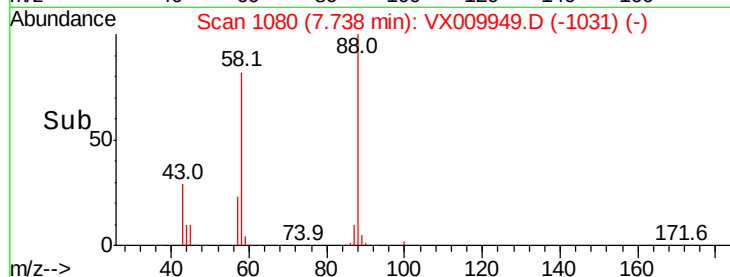
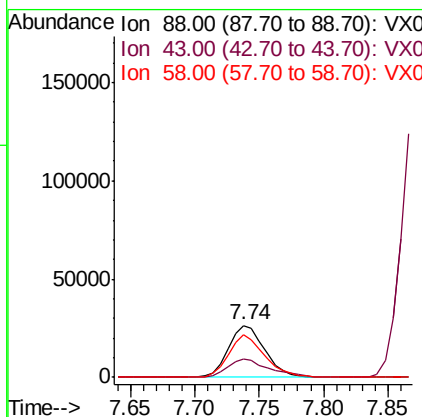
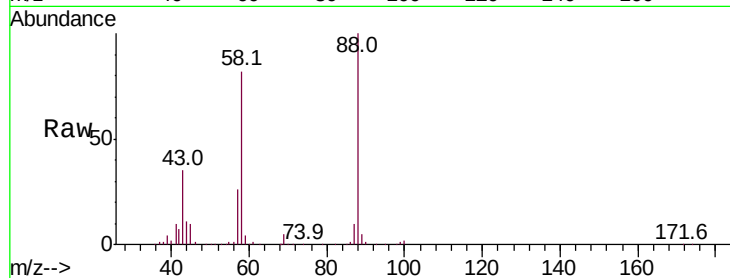
#49
1,4-Dioxane
Concen: 987.745 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.2	45.4
58	81.0	64.0	96.0

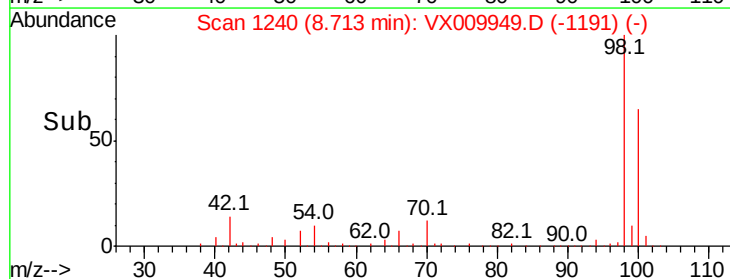
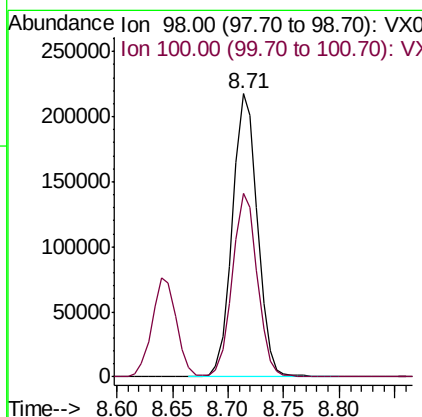
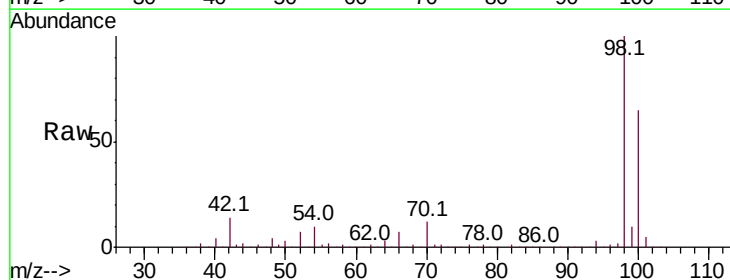
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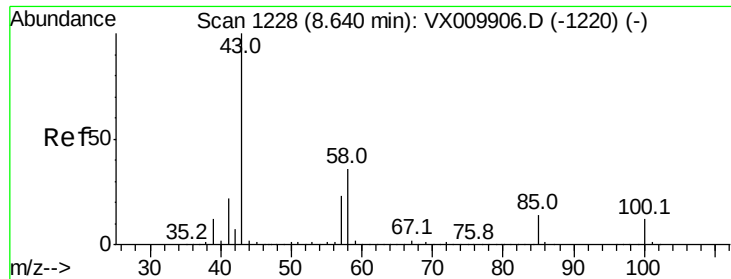
MMDadoda
5/30/2019 9:54:32 AM



#50
Toluene-d8
Concen: 52.981 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 269.880 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1005692

Ion Ratio Lower Upper

43 100

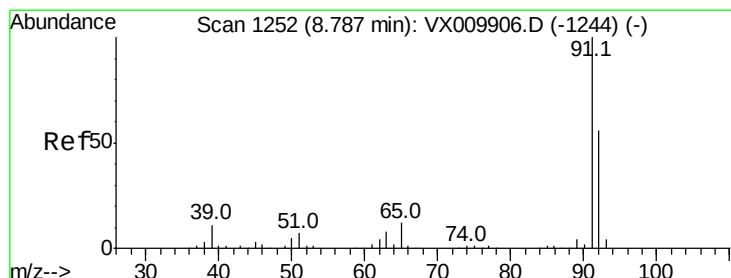
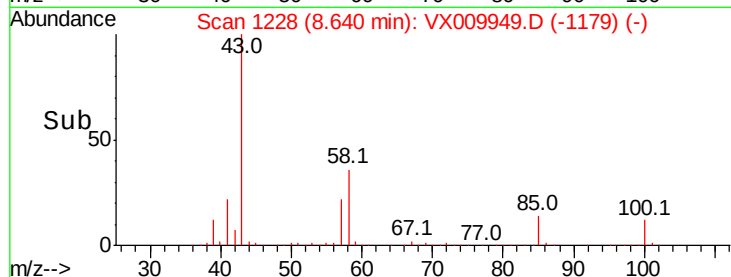
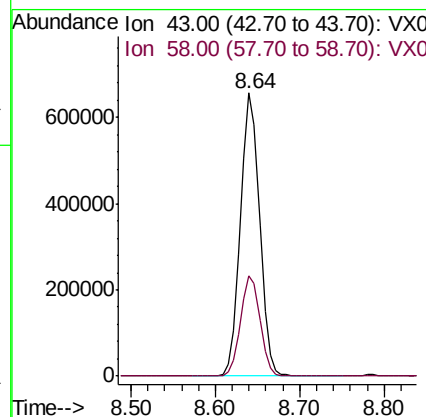
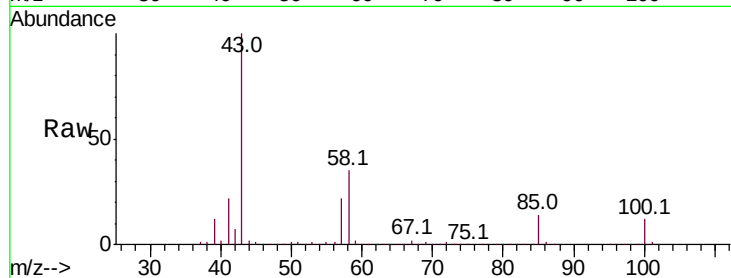
58 35.7 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 52.645 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009949.D

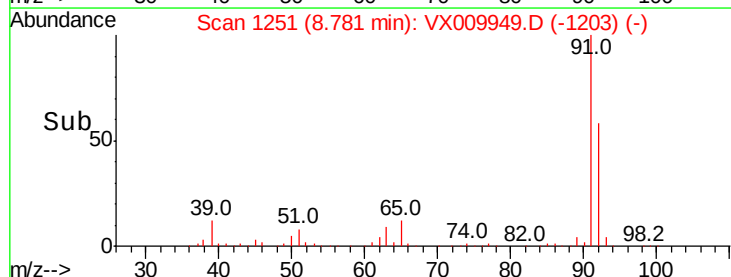
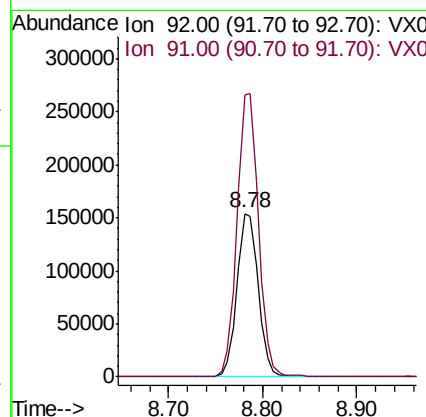
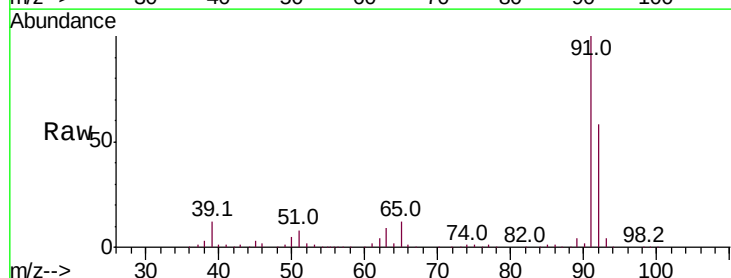
Acq: 29 May 2019 18:47

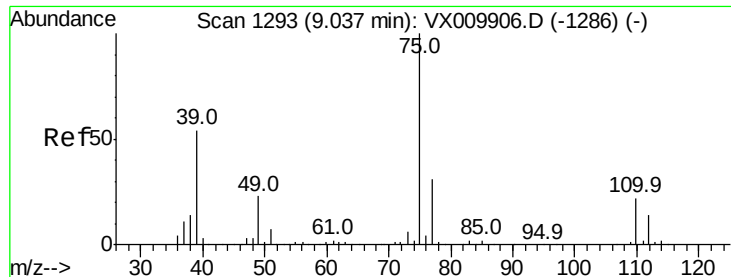
Tgt Ion: 92 Resp: 241597

Ion Ratio Lower Upper

92 100

91 174.8 139.9 209.9





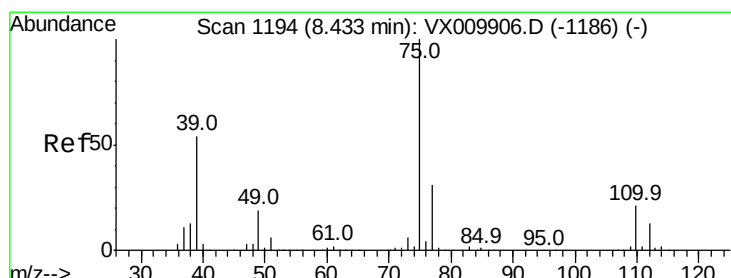
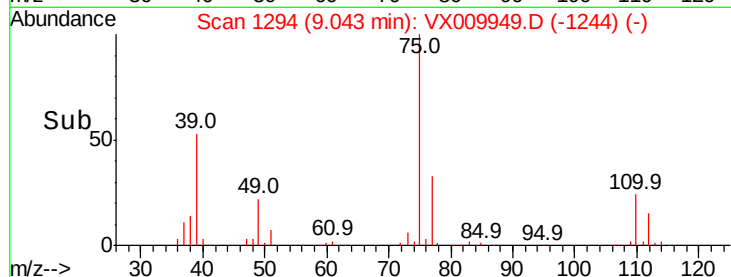
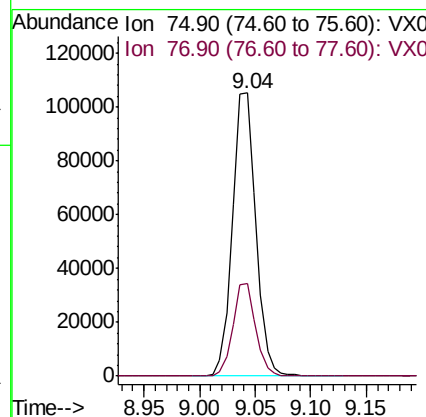
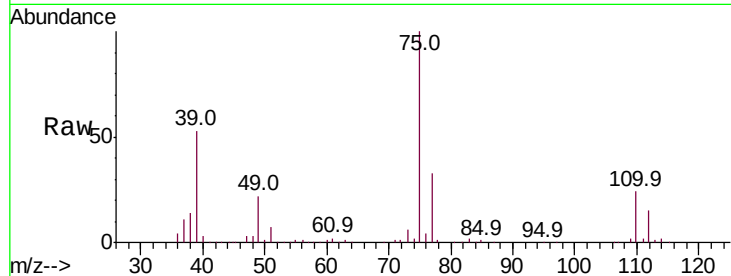
#53
 t-1,3-Dichloropropene
 Concen: 52.476 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 153274
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 36.8

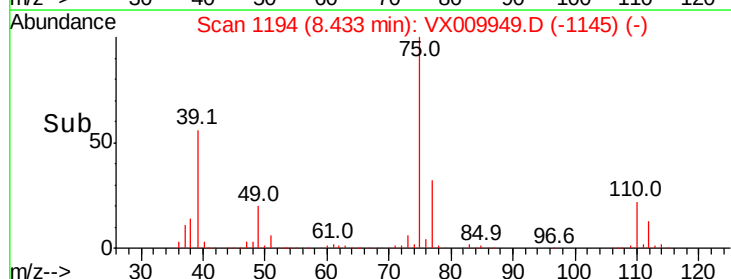
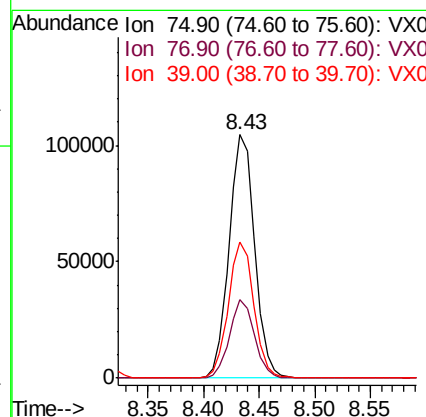
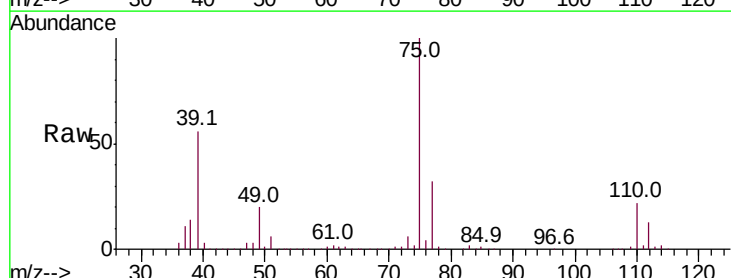
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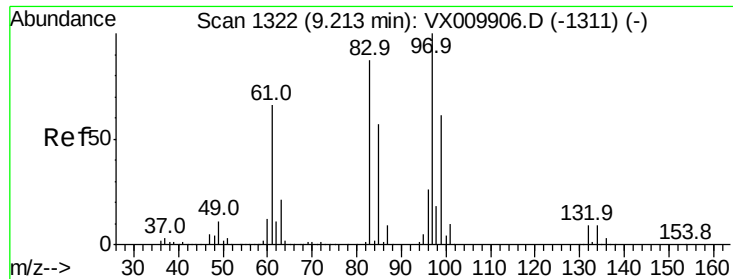
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 5/30/2019 9:54:32 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.384 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion: 75 Resp: 166709
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.8 37.2
 39 55.6 43.4 65.0





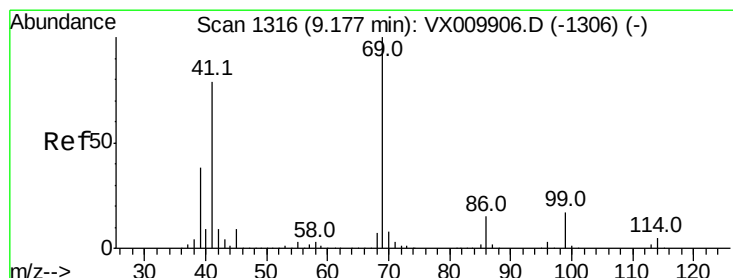
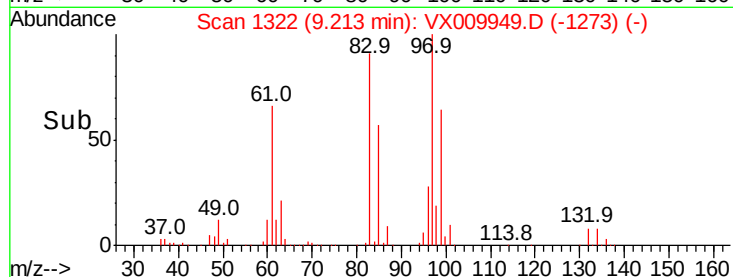
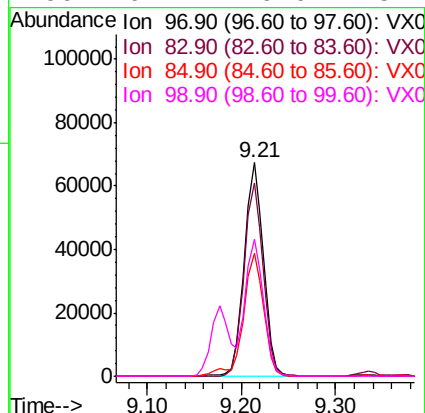
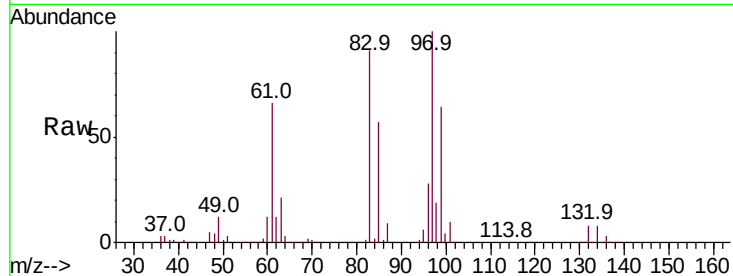
#55
 1,1,2-Trichloroethane
 Concen: 51.998 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		96044		
83	90.7	69.8	104.8		
85	57.4	45.3	67.9		
99	64.1	49.0	73.4		

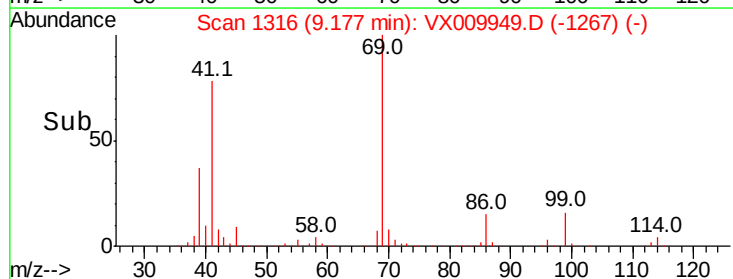
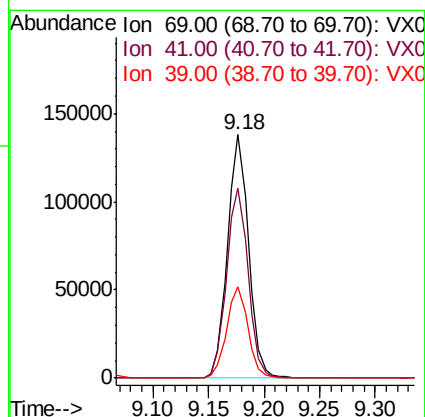
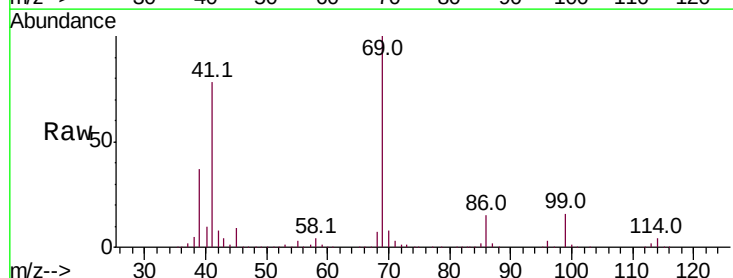
Manual Integrations
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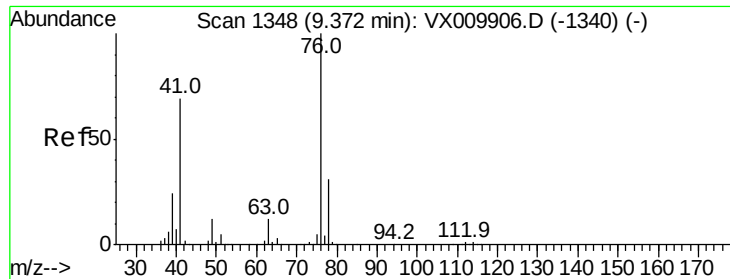
MMDadoda
 5/30/2019 9:54:32 AM



#56
 Ethyl methacrylate
 Concen: 55.245 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		181667		
41	79.8	62.7	94.1		
39	37.7	29.5	44.3		





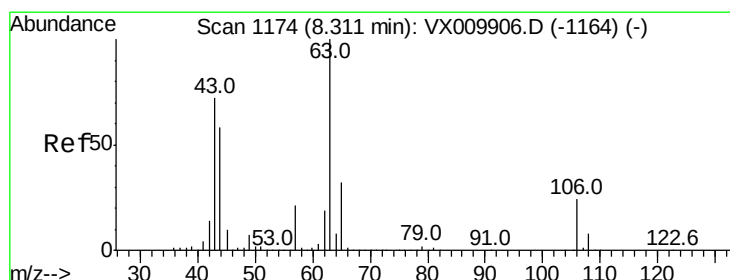
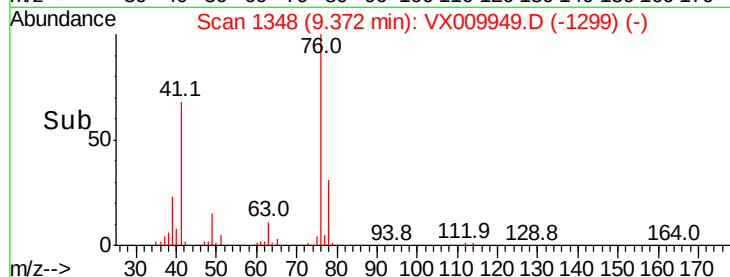
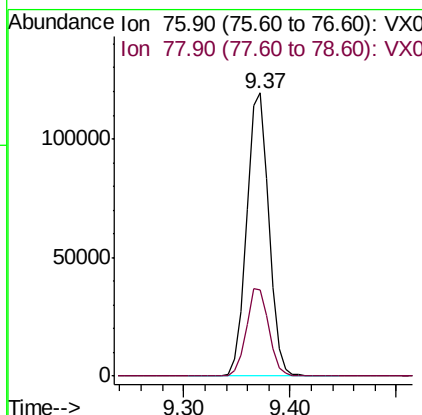
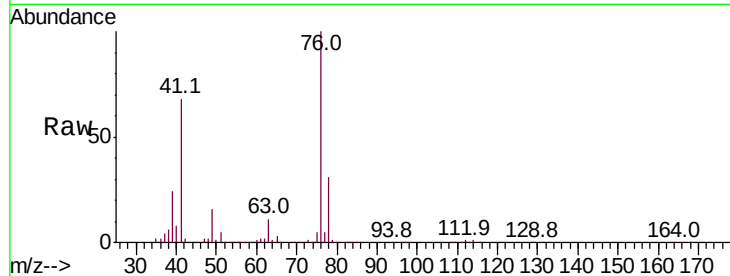
#57
 1,3-Dichloropropane
 Concen: 52.609 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.4	38.0

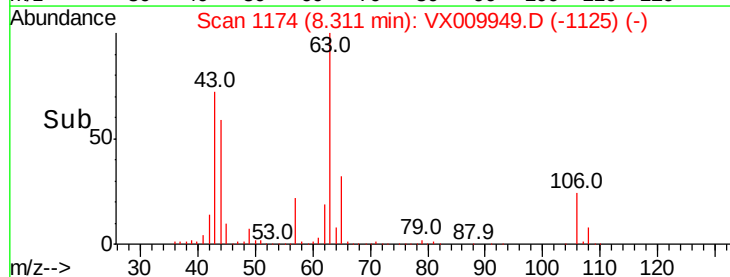
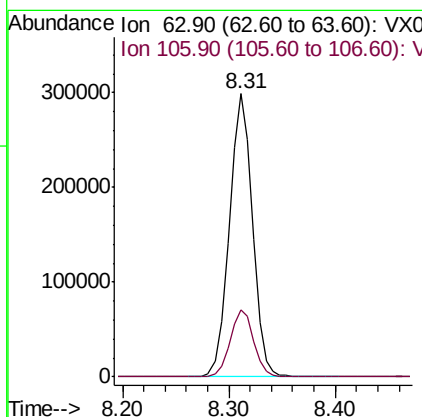
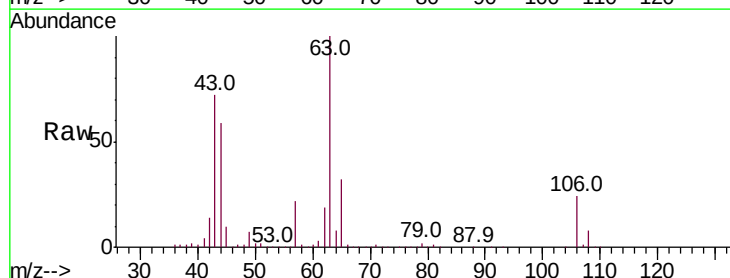
Manual Integrations
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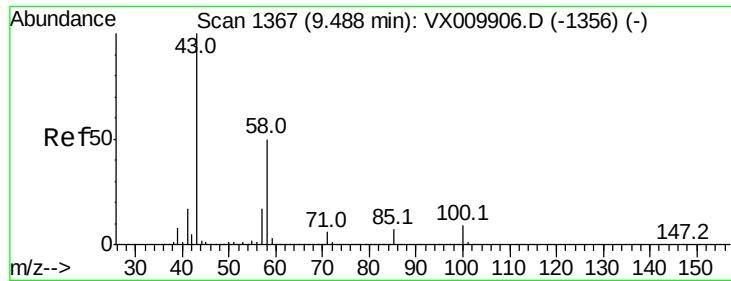
MMDadoda
 5/30/2019 9:54:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.144 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.9	19.4	29.2





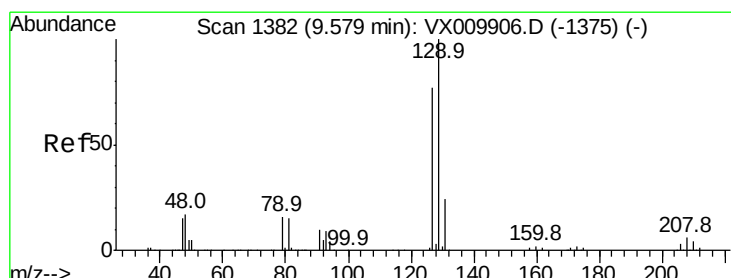
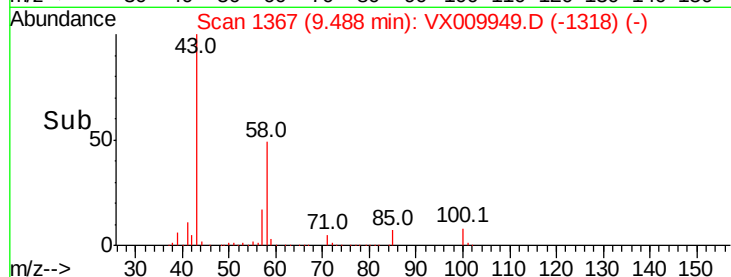
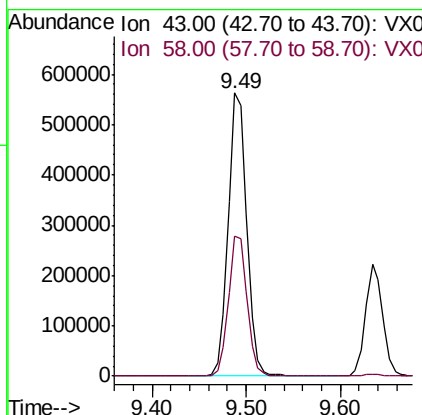
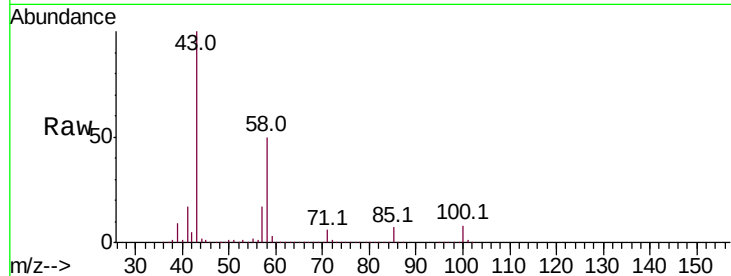
#59
2-Hexanone
Concen: 267.852 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 768468
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.3

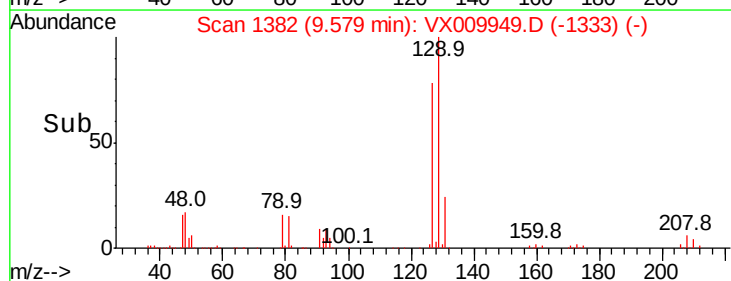
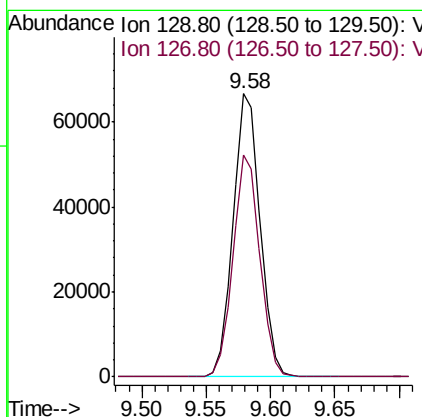
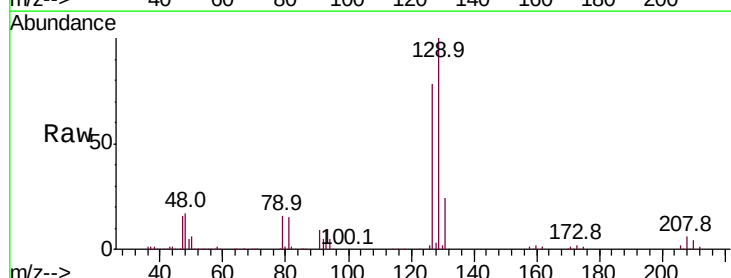
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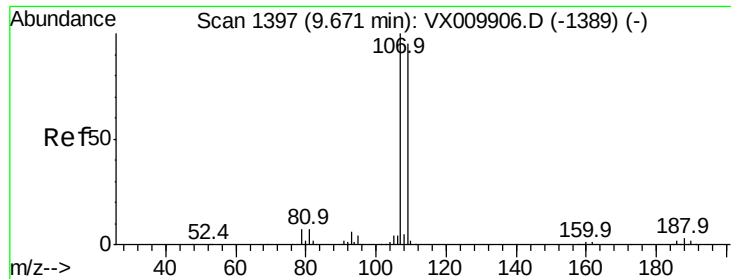
MMDadoda
5/30/2019 9:54:32 AM



#60
Dibromochloromethane
Concen: 53.580 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion: 129 Resp: 97352
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.742 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 100083

Ion Ratio Lower Upper

107 100

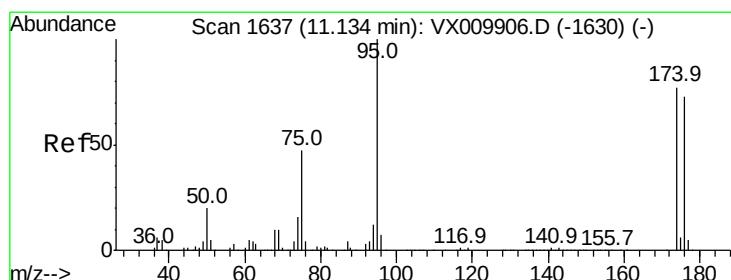
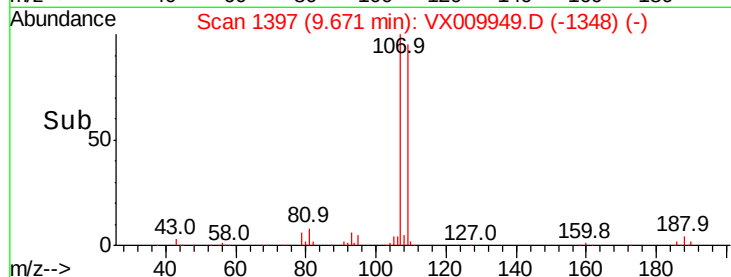
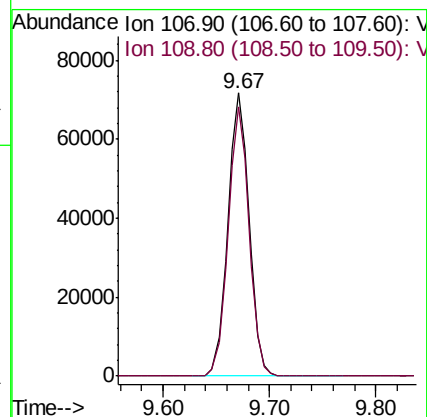
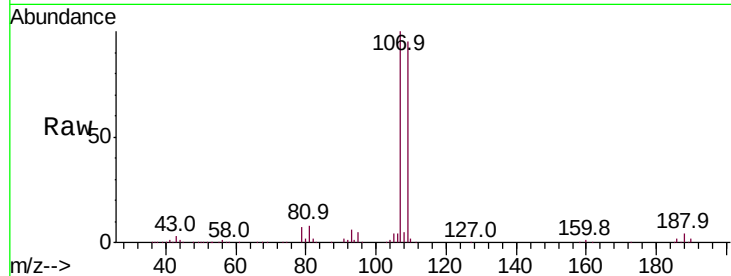
109 94.0 75.4 113.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.160 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

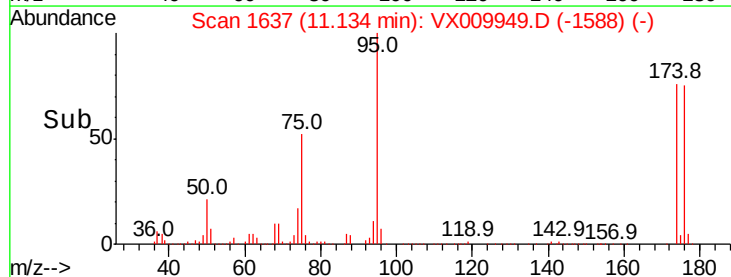
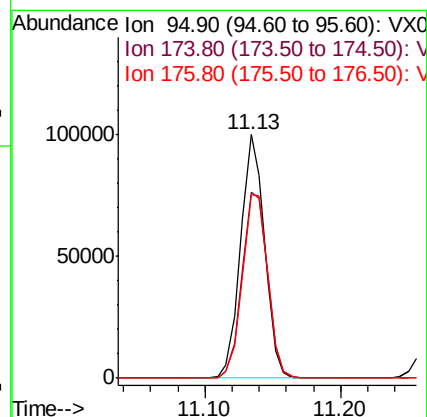
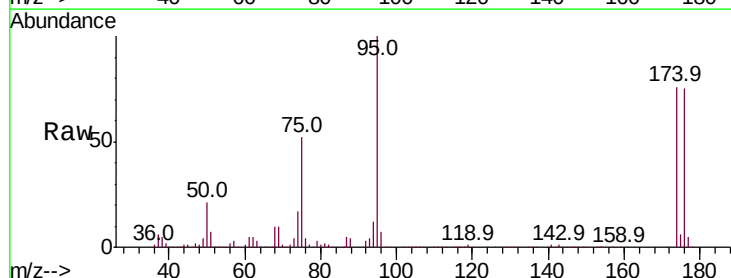
Tgt Ion: 95 Resp: 122417

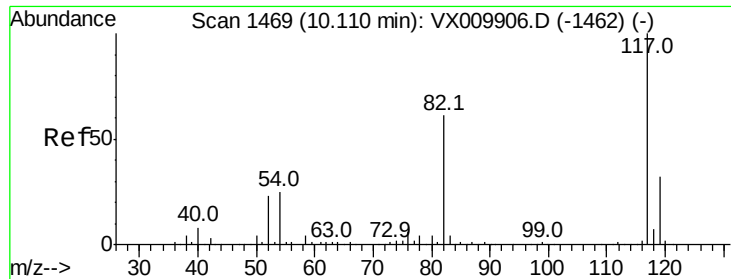
Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

176 80.0 0.0 154.6





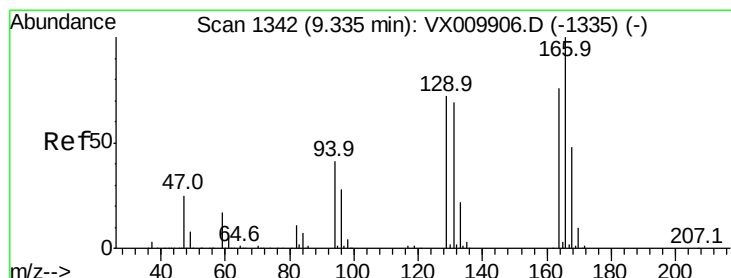
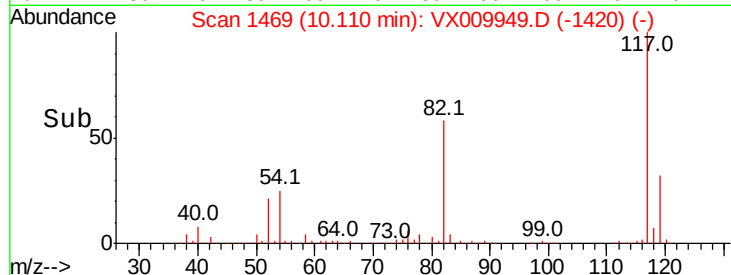
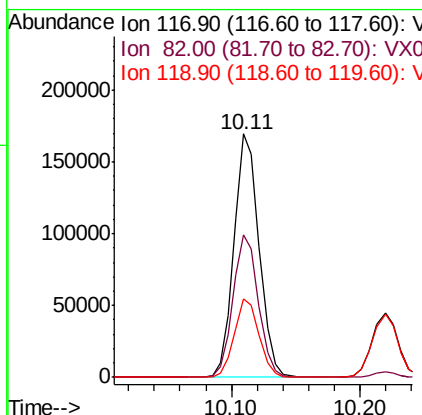
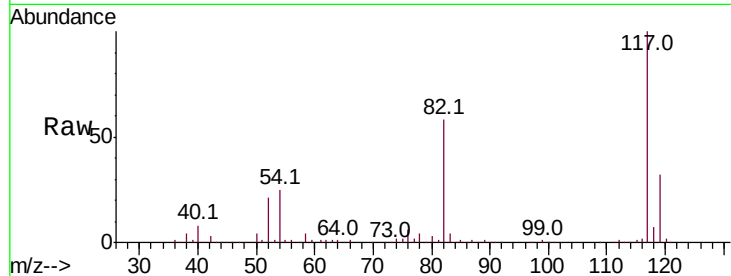
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	49.2	73.8
119	32.2	25.2	37.8

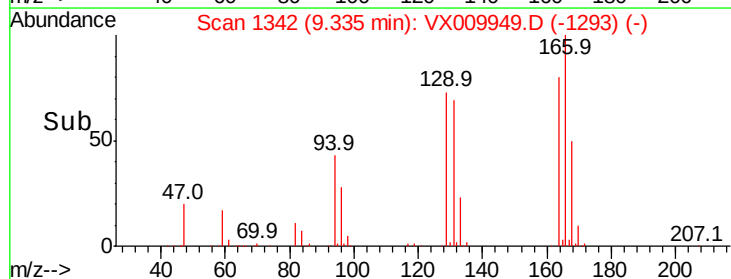
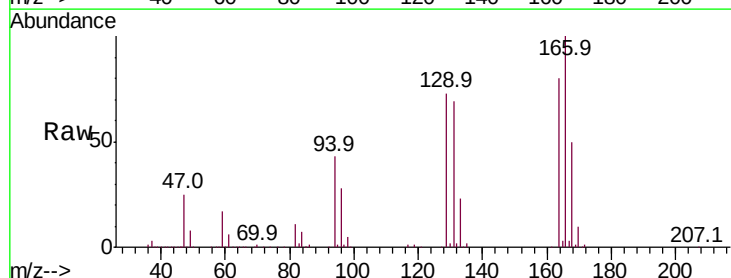
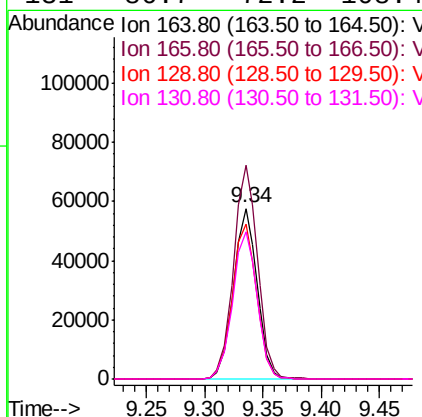
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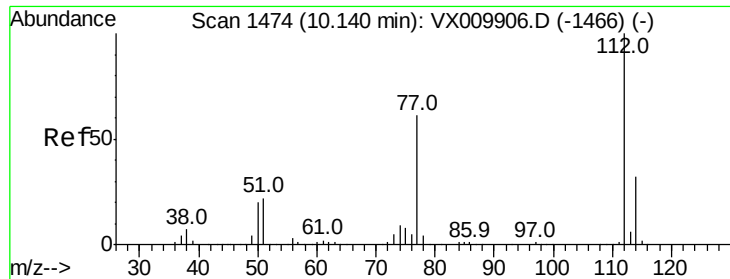
MMDadoda
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#64
Tetrachloroethene
Concen: 51.019 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	105.0	157.4
129	91.1	75.1	112.7
131	86.7	72.2	108.4





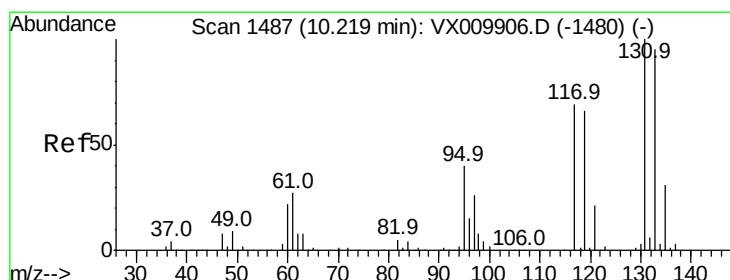
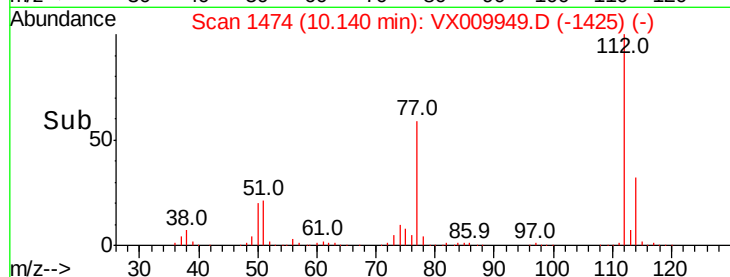
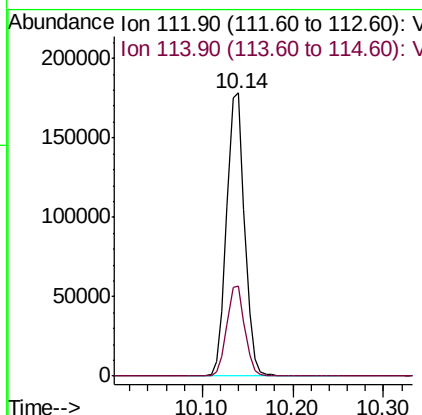
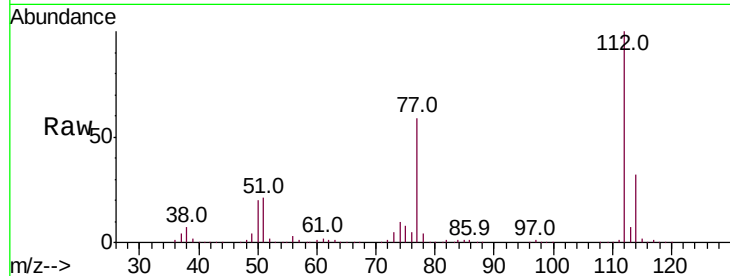
#65
Chlorobenzene
Concen: 51.199 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 246977
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

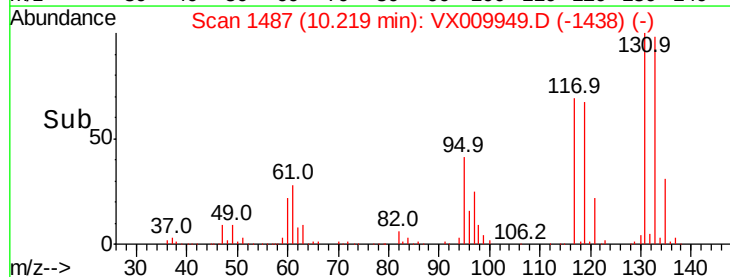
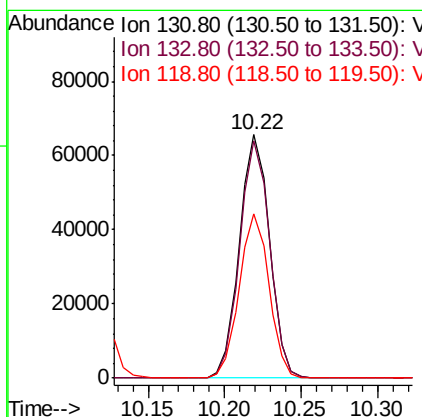
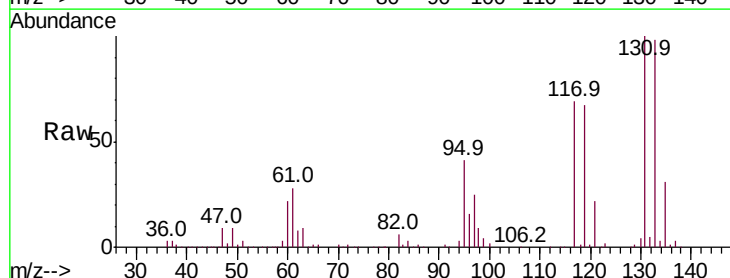
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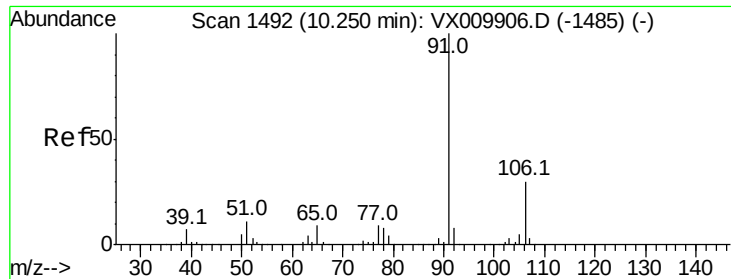
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.532 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion:131 Resp: 89564
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 67.1 33.4 100.1





#67

Ethyl Benzene

Concen: 52.898 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 458164

Ion Ratio Lower Upper

91 100

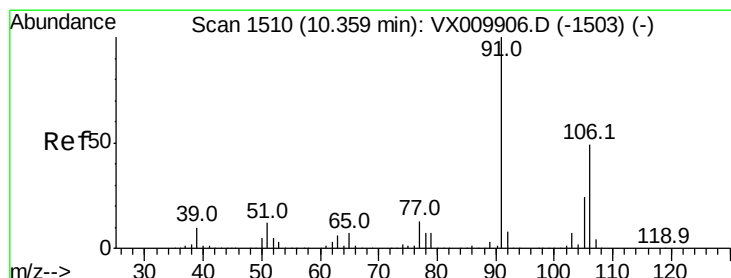
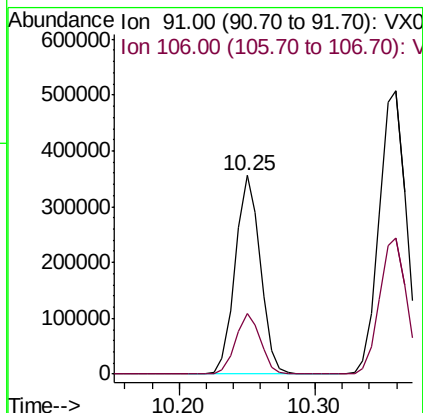
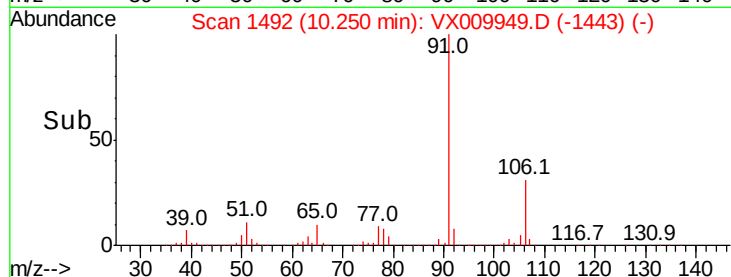
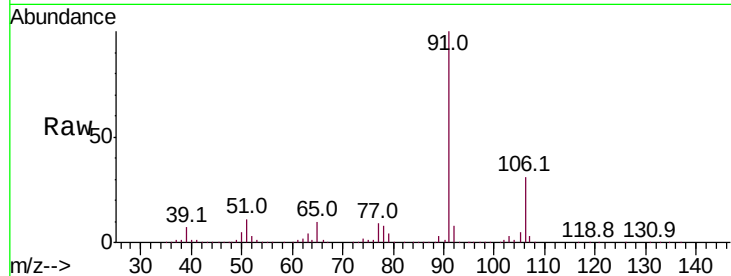
106 30.7 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.943 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009949.D

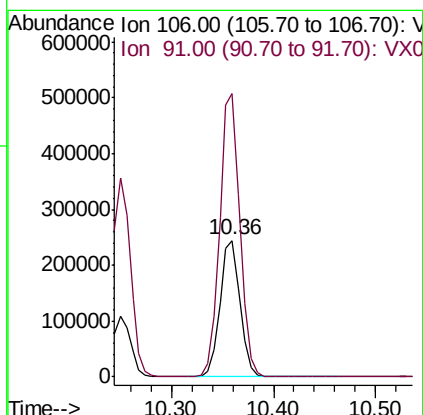
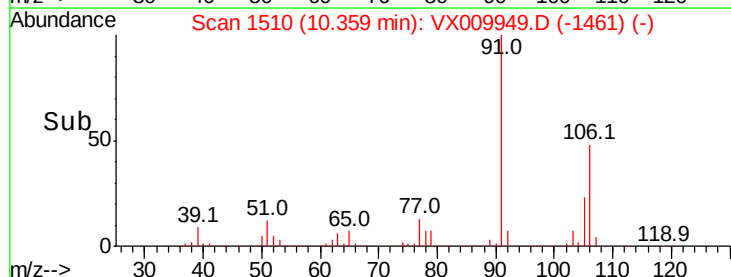
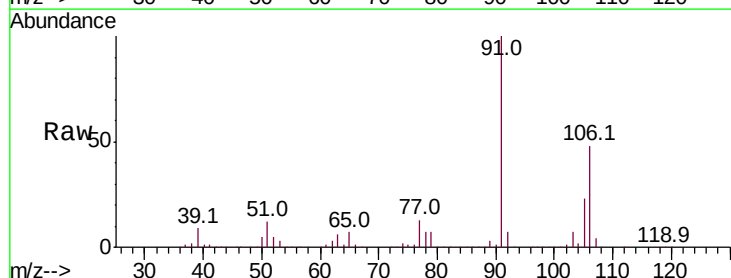
Acq: 29 May 2019 18:47

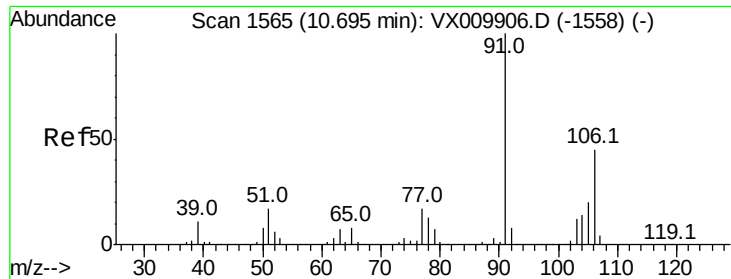
Tgt Ion: 106 Resp: 335795

Ion Ratio Lower Upper

106 100

91 209.0 167.3 250.9





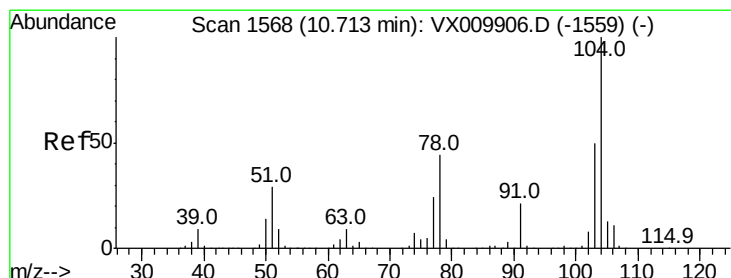
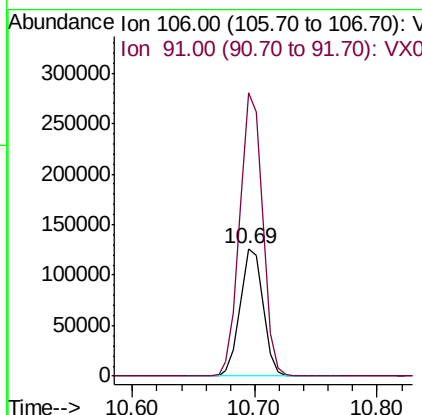
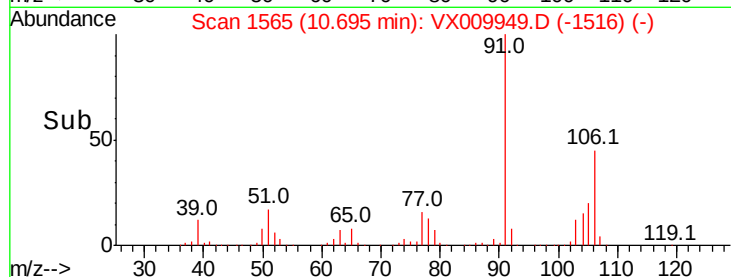
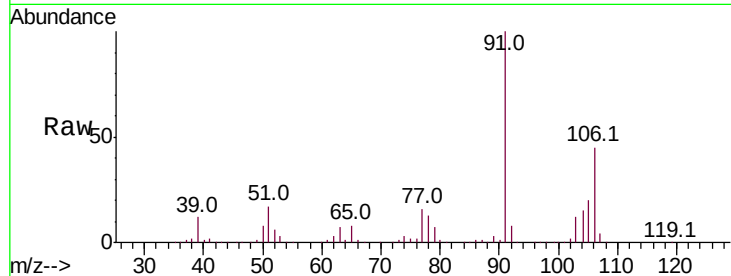
#69
o-Xylene
Concen: 53.340 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 163685
Ion Ratio Lower Upper
106 100
91 221.4 110.4 331.2

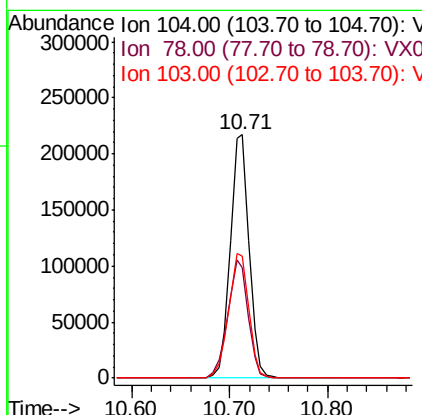
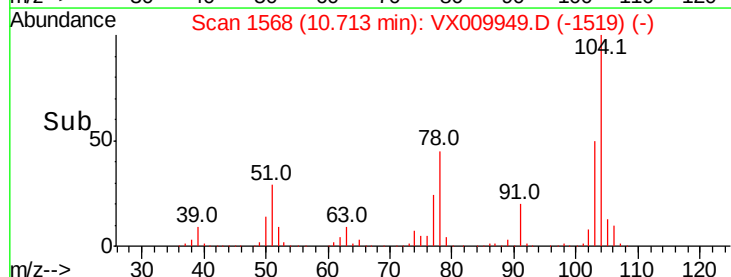
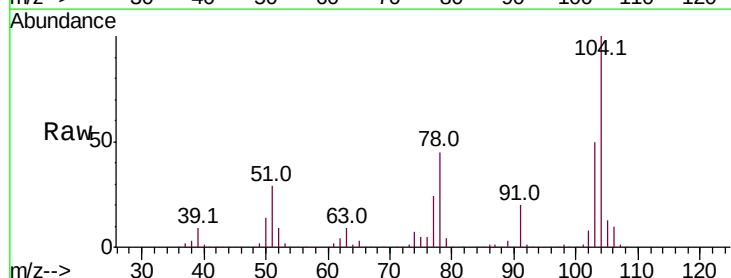
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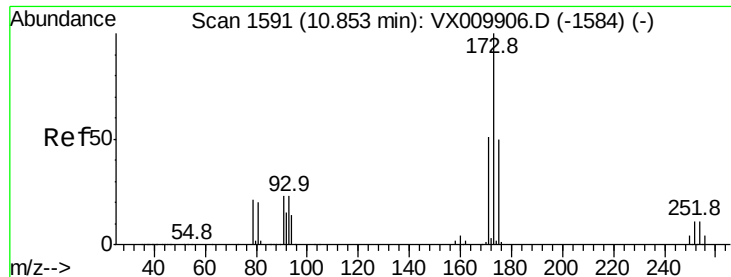
MMDadoda
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#70
Styrene
Concen: 53.696 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion:104 Resp: 288940
Ion Ratio Lower Upper
104 100
78 52.5 42.1 63.1
103 55.3 44.1 66.1





#71

Bromoform

Concen: 54.480 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 74508

Ion Ratio Lower Upper

173 100

175 49.7 25.0 75.0

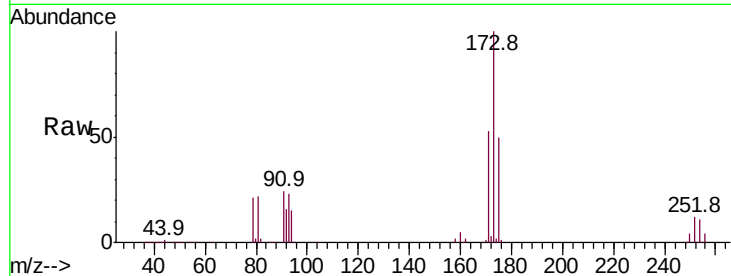
254 0.2 0.2 0.2

Manual Integrations

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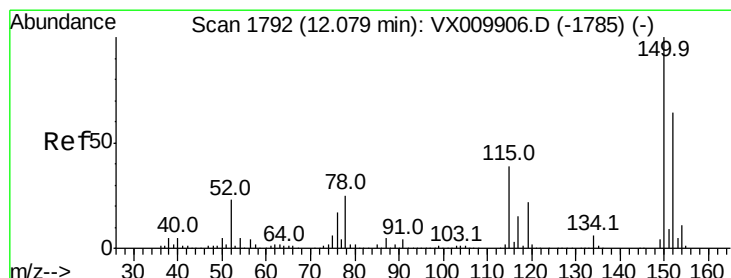
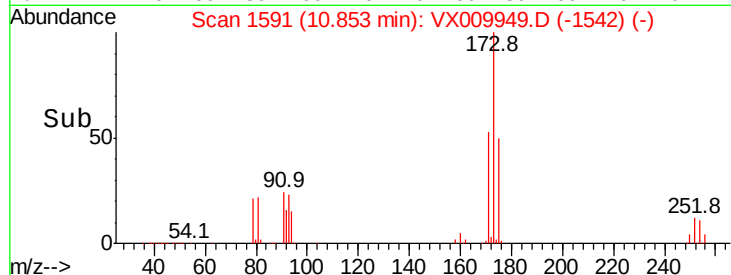
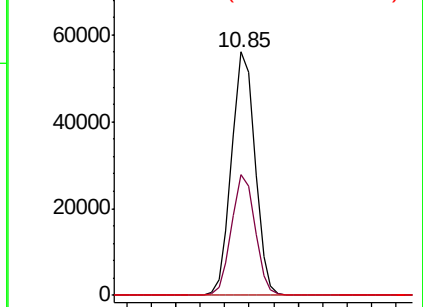
5/30/2019 9:54:32 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

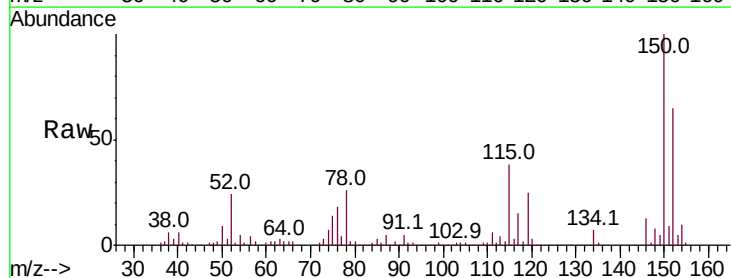
Tgt Ion:152 Resp: 111687

Ion Ratio Lower Upper

152 100

115 83.8 41.4 124.2

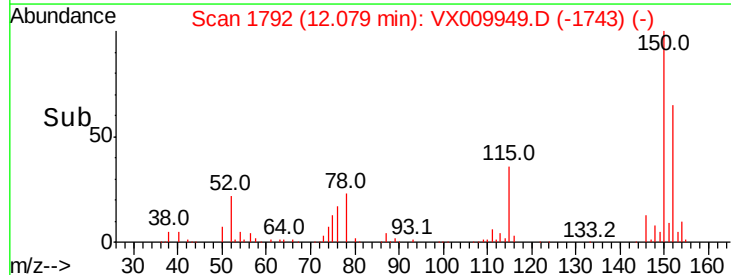
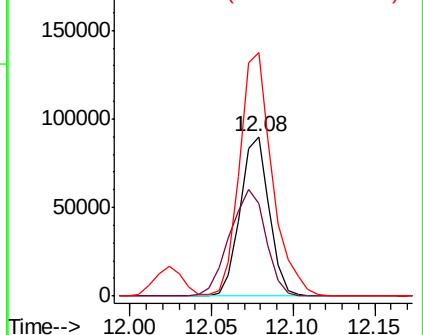
150 171.8 0.0 345.2

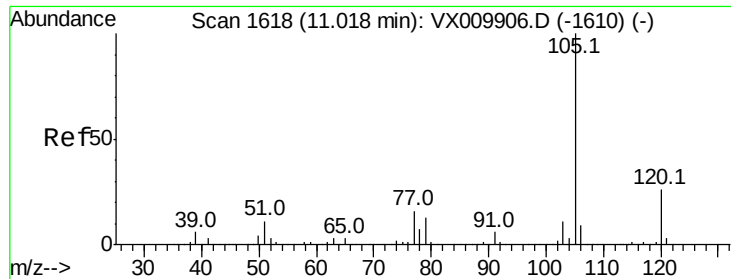


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





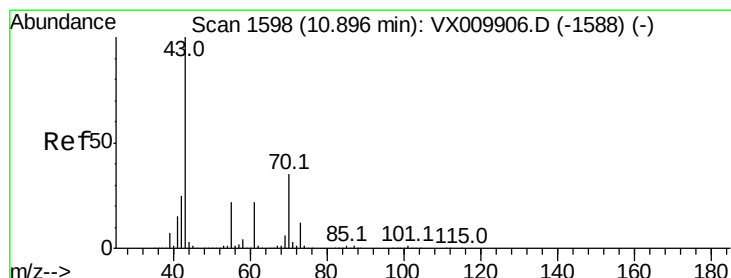
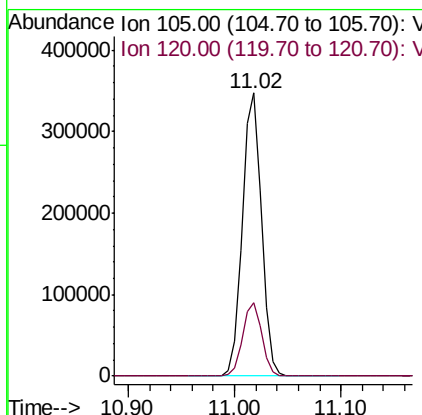
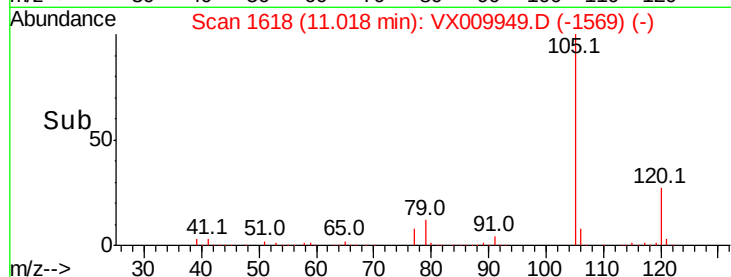
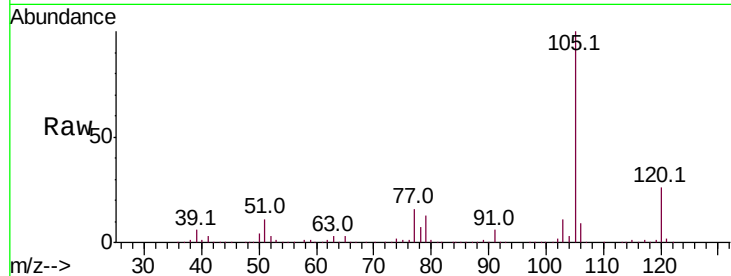
#73
Isopropylbenzene
Concen: 53.165 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 438108
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

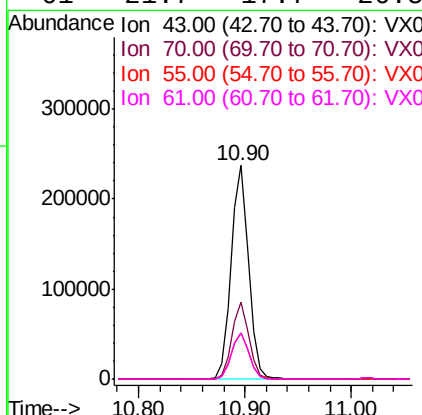
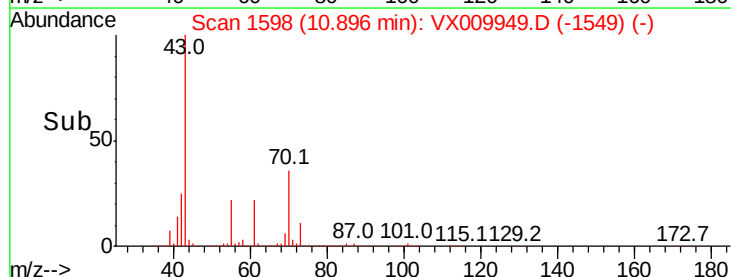
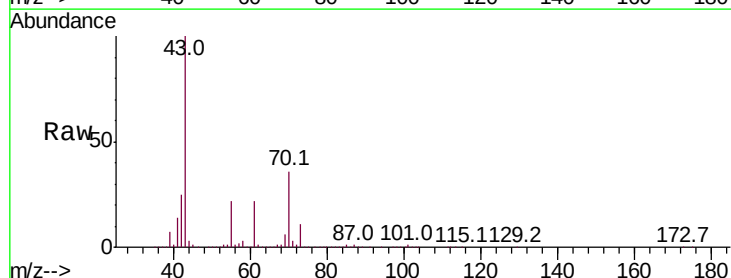
Manual Integrations
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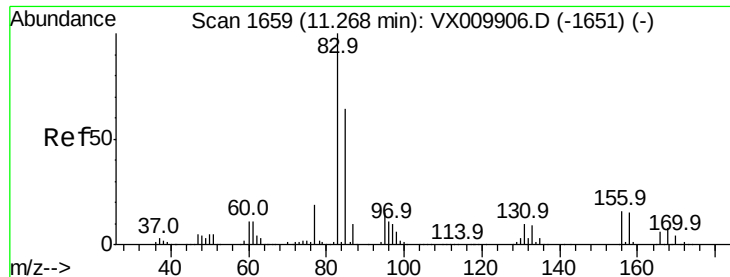
MMDadoda
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#74
N-ethyl acetate
Concen: 55.388 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion: 43 Resp: 272740
Ion Ratio Lower Upper
43 100
70 35.4 28.6 43.0
55 22.1 17.8 26.8
61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.239 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 160598

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

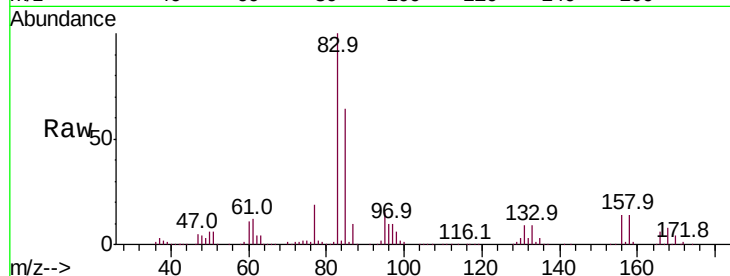
85 64.1 31.9 95.9

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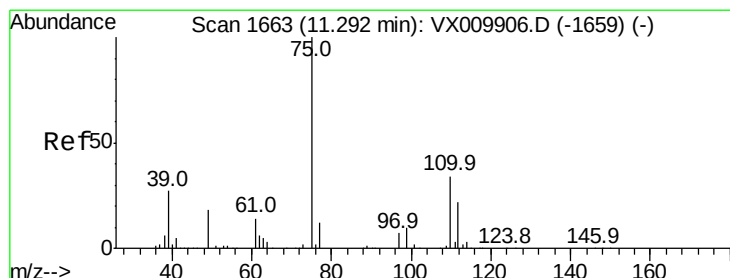
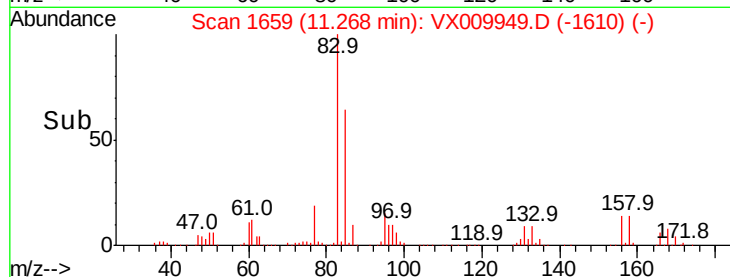
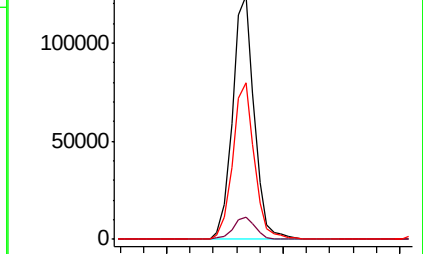
5/30/2019 9:54:32 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.488 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009949.D

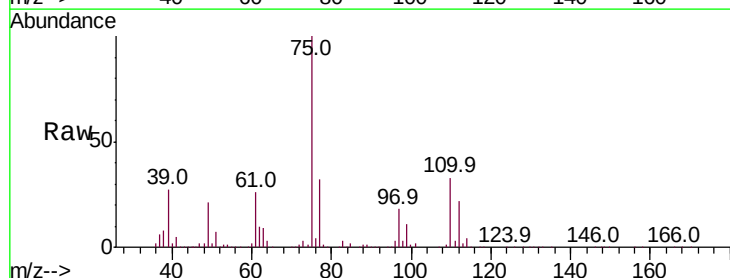
Acq: 29 May 2019 18:47

Tgt Ion: 75 Resp: 142854

Ion Ratio Lower Upper

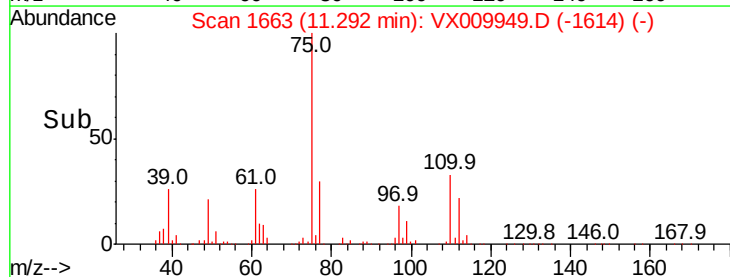
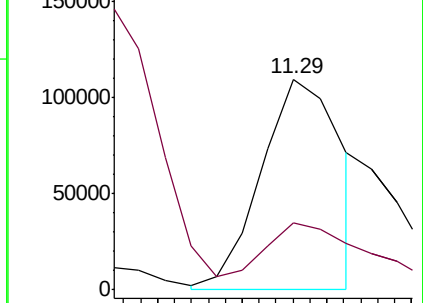
75 100

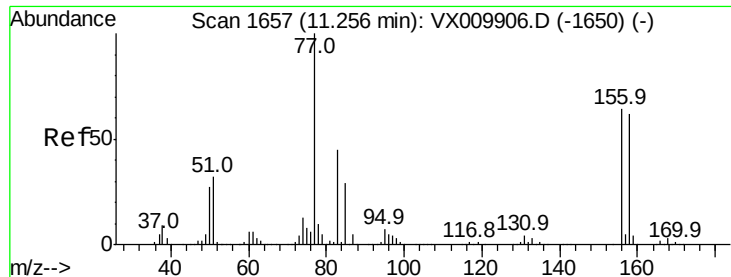
77 42.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.430 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 108005

Ion Ratio Lower Upper

156 100

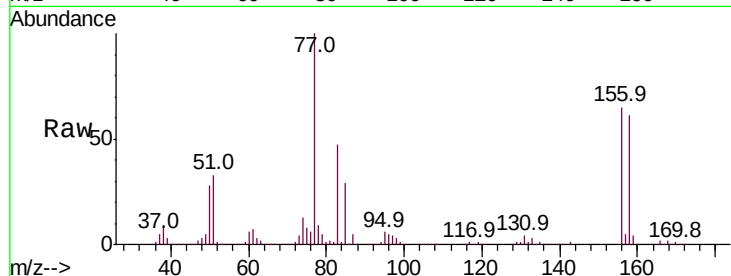
77 173.1 86.8 260.3

158 96.8 49.6 148.8

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Abundance Ion 155.80 (155.50 to 156.50): V

200000 Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

150000

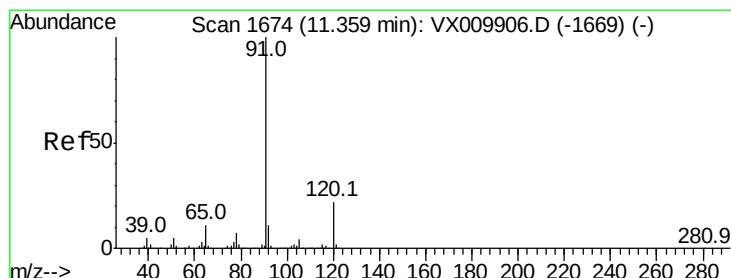
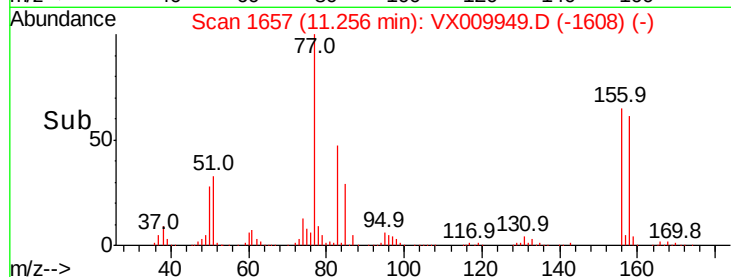
100000

50000

0

11.20 11.26 11.30

Time-->



#78

n-propylbenzene

Concen: 53.883 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009949.D

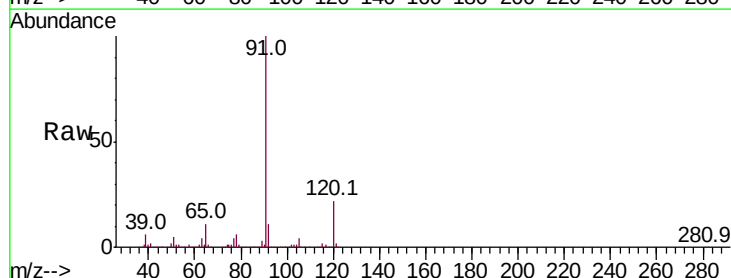
Acq: 29 May 2019 18:47

Tgt Ion: 91 Resp: 511805

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

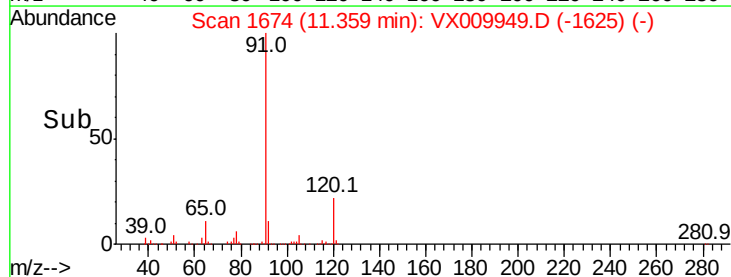
200000

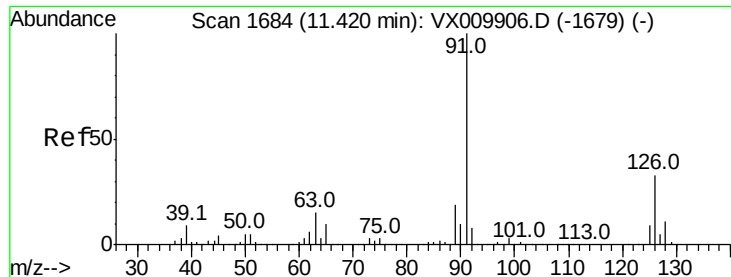
100000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 51.637 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 299666

Ion Ratio Lower Upper

91 100

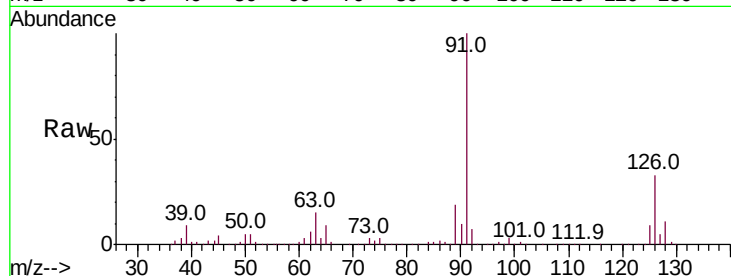
126 32.4 16.1 48.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009949.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009949.D (-1635) (-)

500000

400000

300000

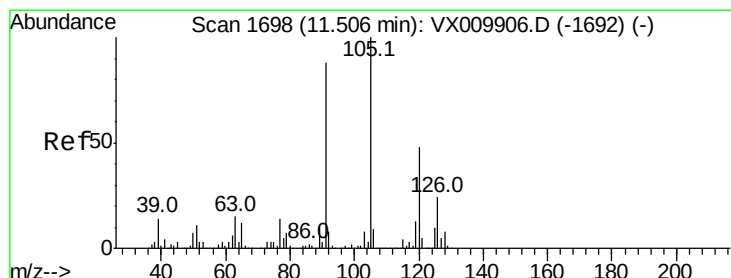
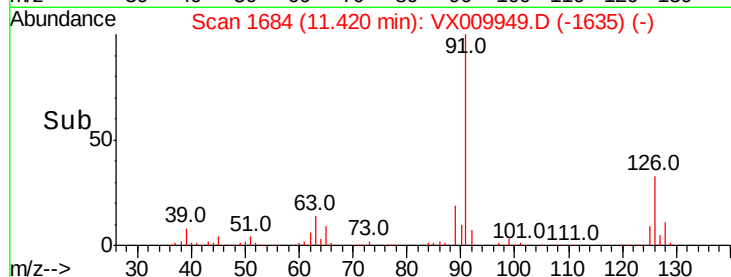
200000

100000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.784 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009949.D

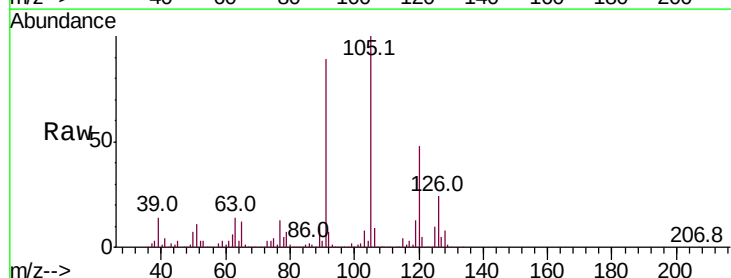
Acq: 29 May 2019 18:47

Tgt Ion: 105 Resp: 366442

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009949.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009949.D (-1649) (-)

300000

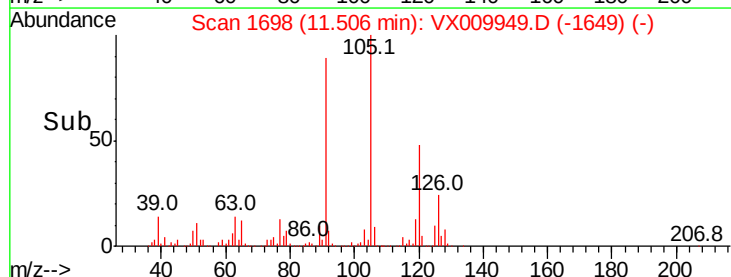
200000

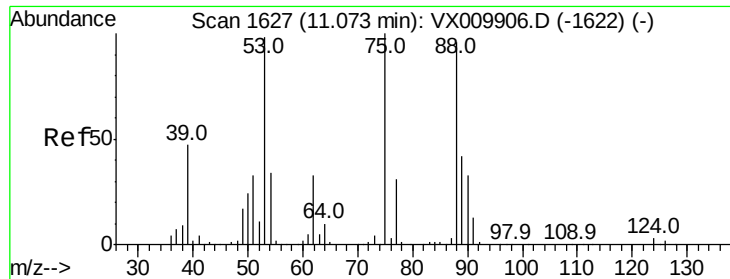
100000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60

Time-->





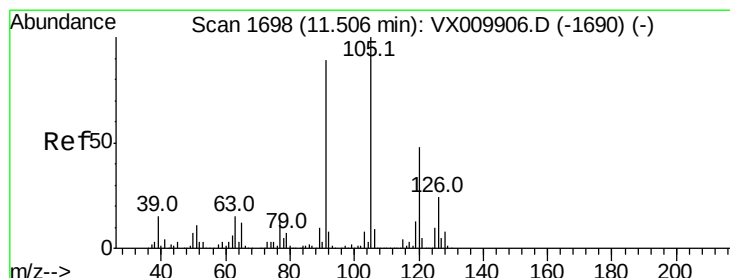
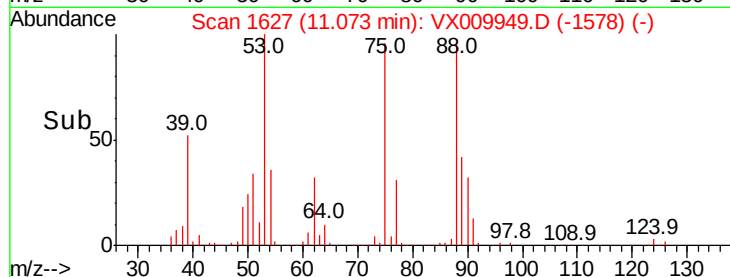
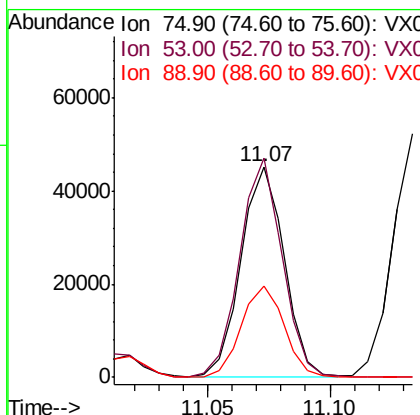
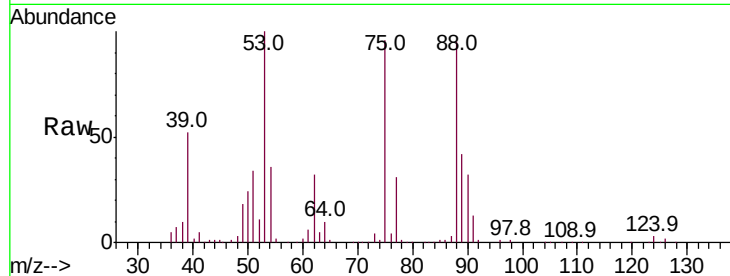
#81
trans-1,4-Dichloro-2-butene
Concen: 51.410 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 55496
Ion Ratio Lower Upper
75 100
53 101.9 79.8 119.6
89 43.4 34.2 51.4

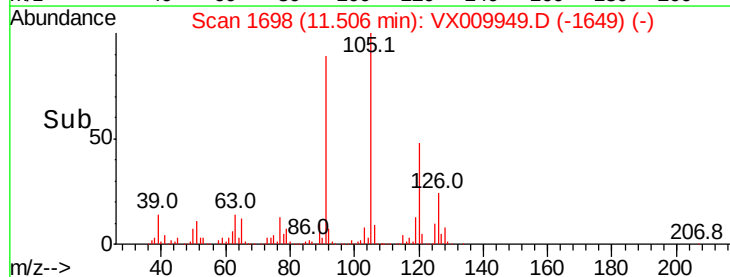
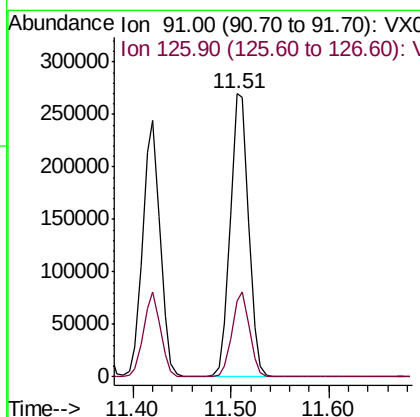
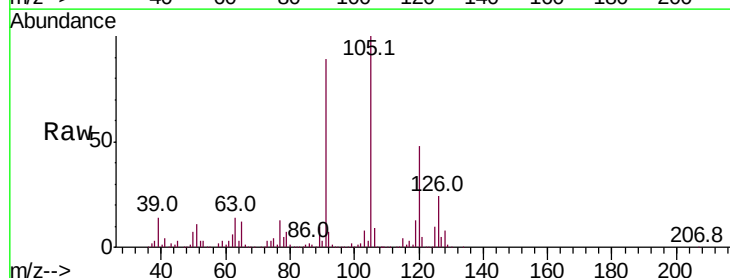
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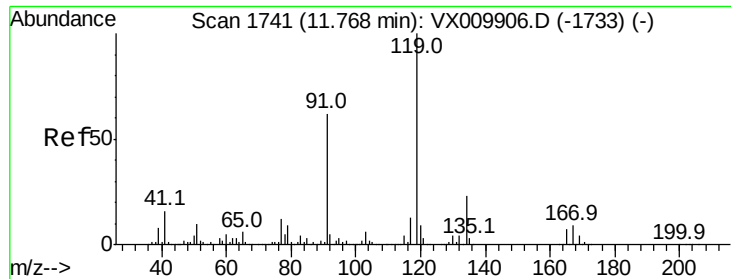
MMDadoda
5/30/2019 9:54:32 AM



#82
4-Chlorotoluene
Concen: 51.961 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion: 91 Resp: 351032
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6





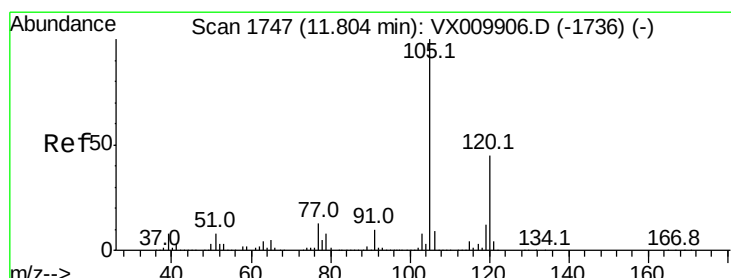
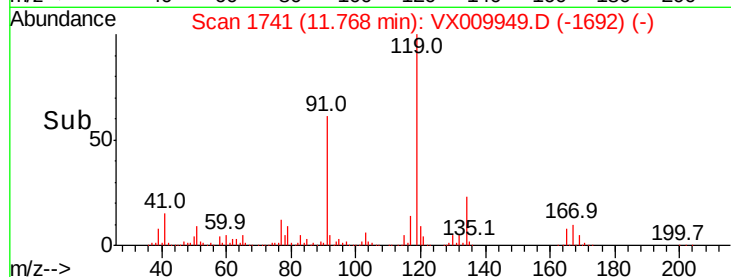
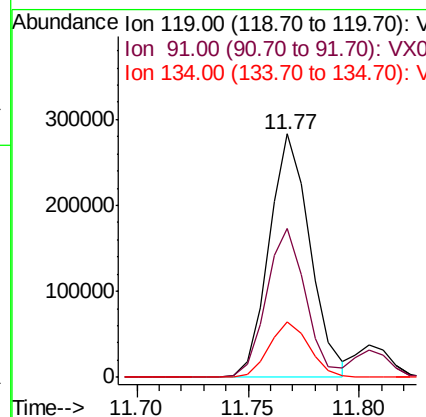
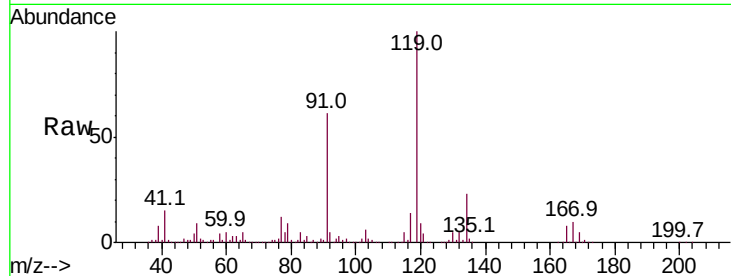
#83
tert-Butylbenzene
Concen: 54.181 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	359861		
91	59.0		30.0	90.0
134	22.2		11.2	33.5

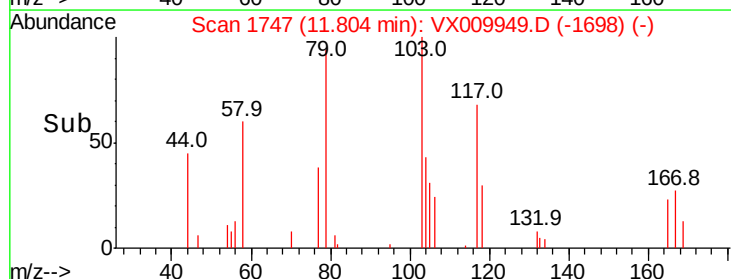
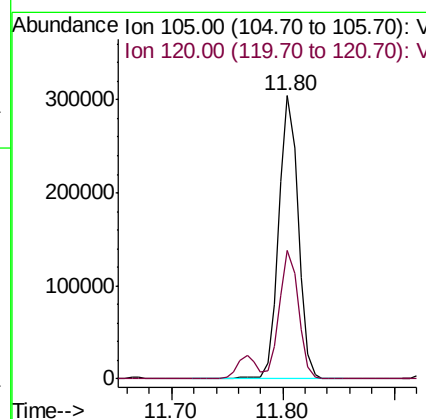
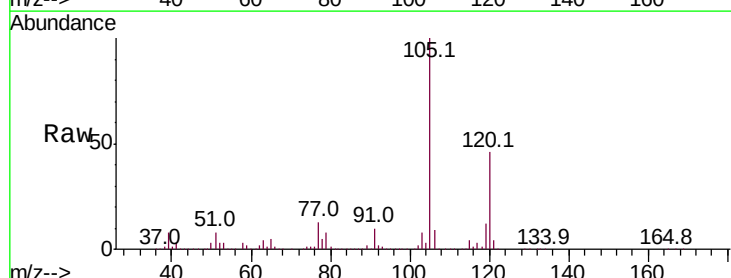
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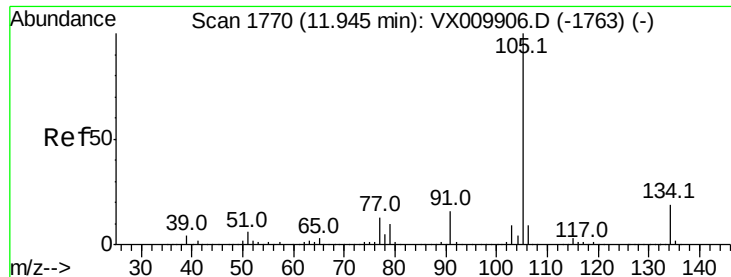
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.597 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	370826		
120	45.0		22.1	66.1





#85

sec-Butylbenzene

Concen: 53.824 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 425295

Ion Ratio Lower Upper

105 100

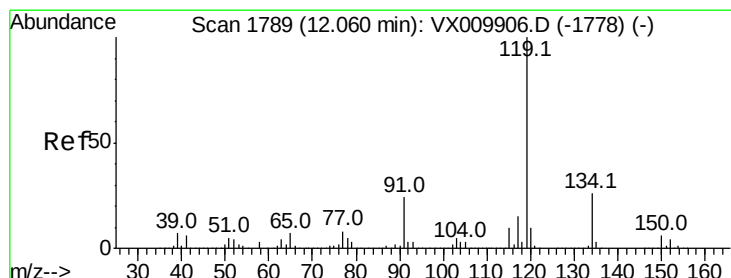
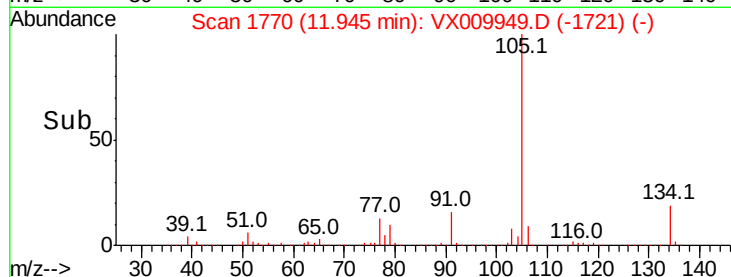
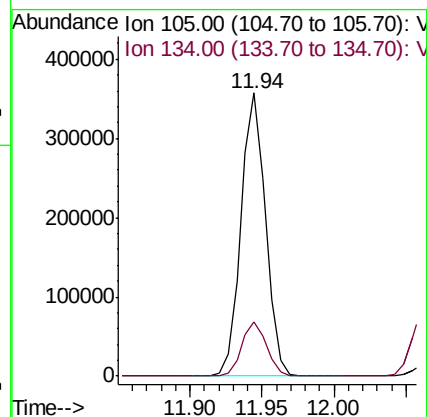
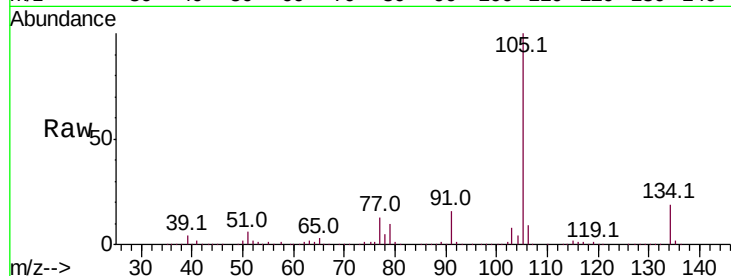
134 19.2 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 54.354 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009949.D

Acq: 29 May 2019 18:47

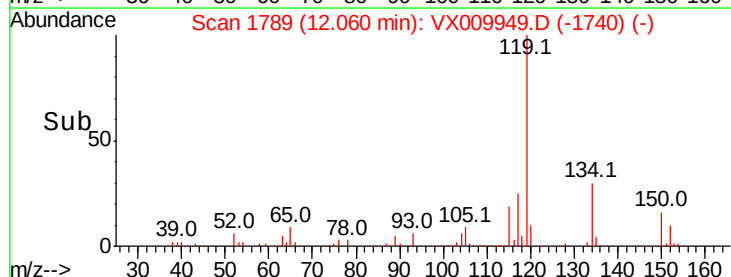
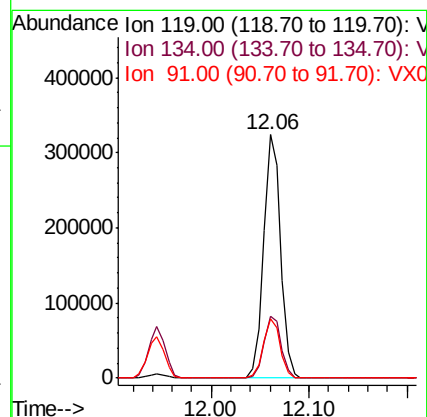
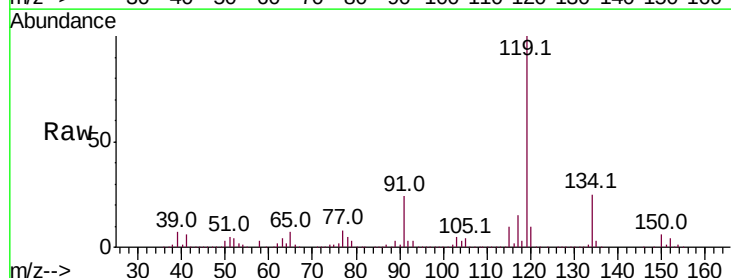
Tgt Ion:119 Resp: 386303

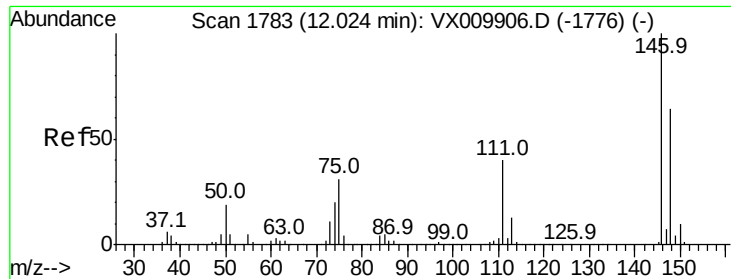
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 24.1 11.9 35.9





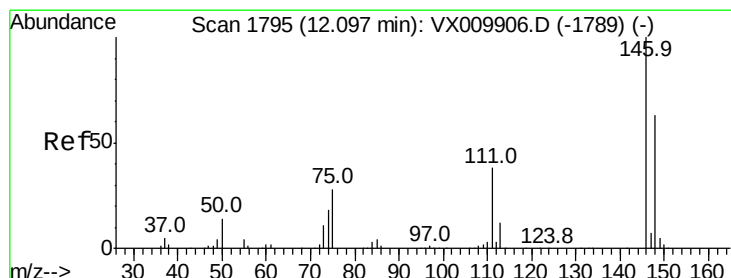
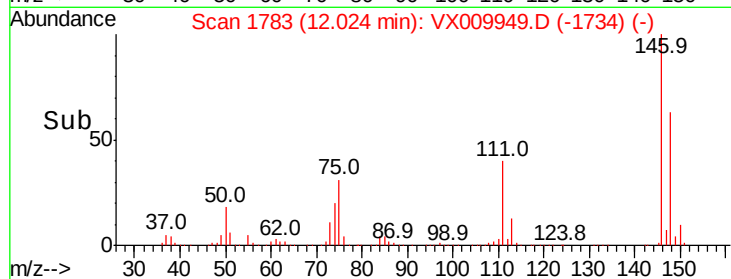
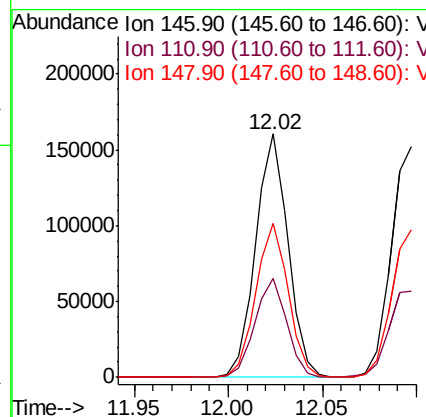
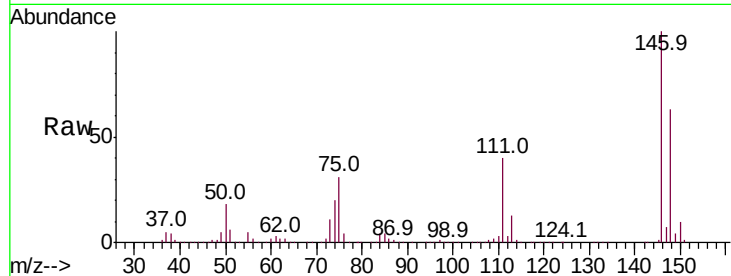
#87
 1,3-Dichlorobenzene
 Concen: 50.943 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	63.7	31.9	95.5

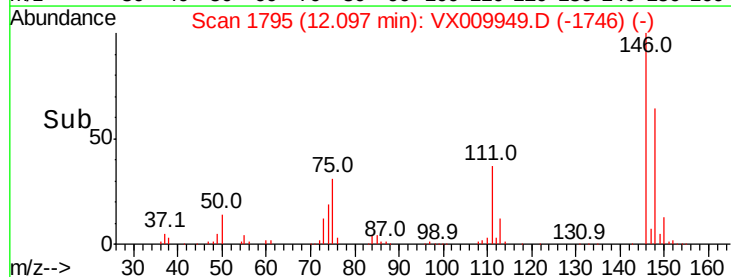
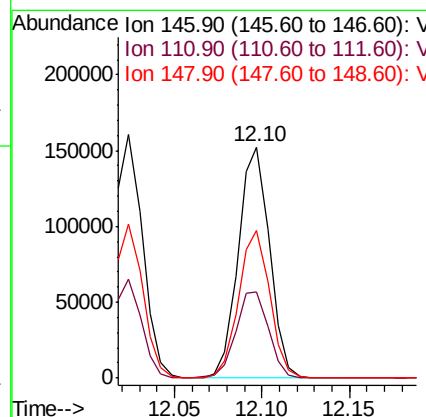
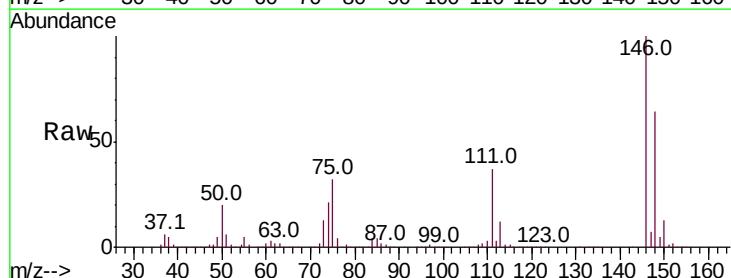
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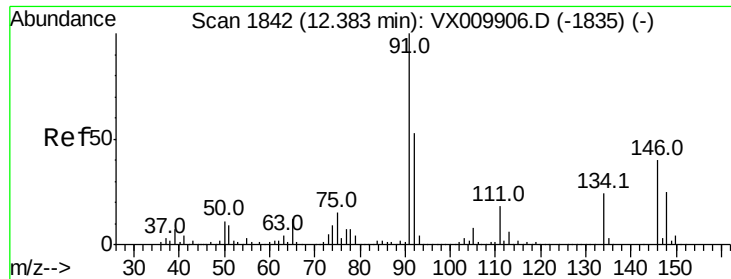
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#88
 1,4-Dichlorobenzene
 Concen: 49.505 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.0	32.3	96.9





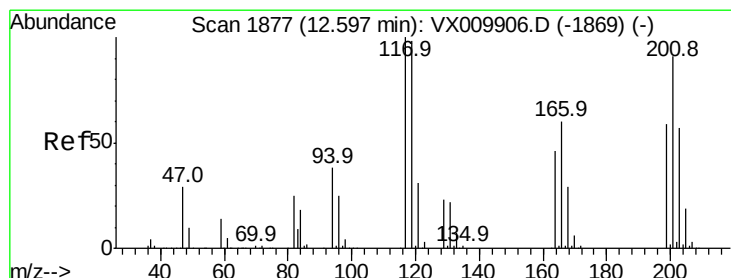
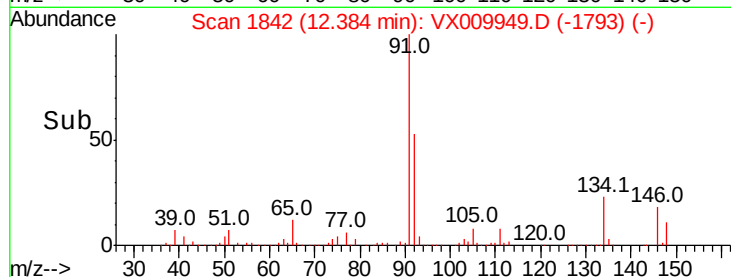
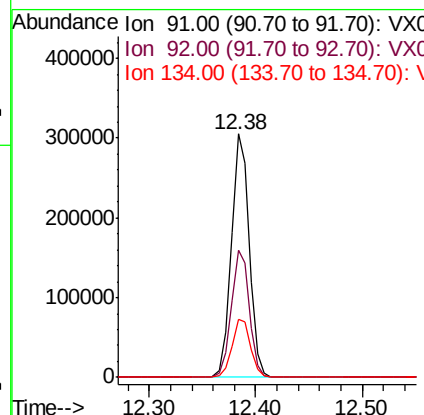
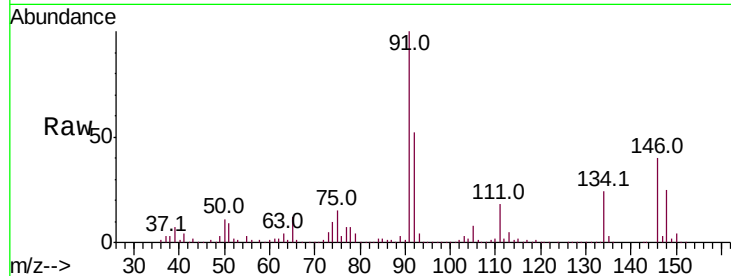
#89
n-Butylbenzene
Concen: 53.636 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	24.6	12.3	36.8

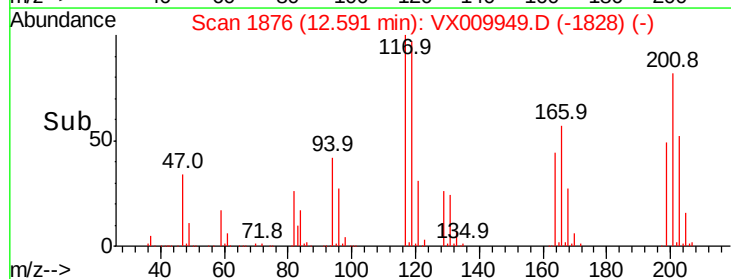
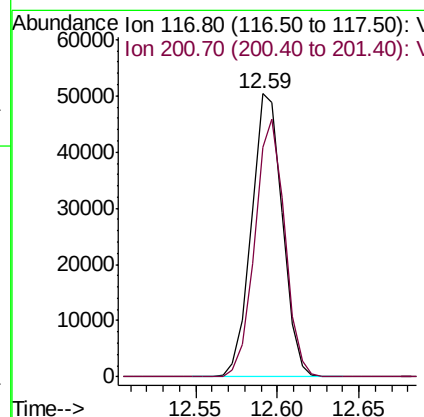
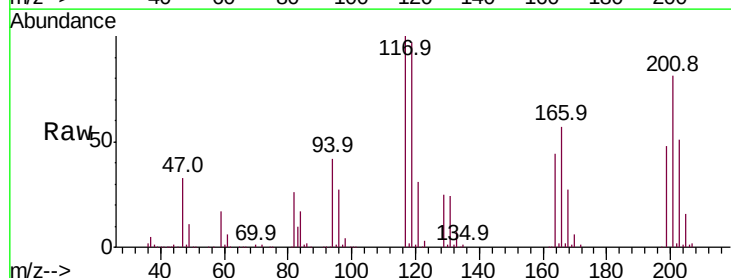
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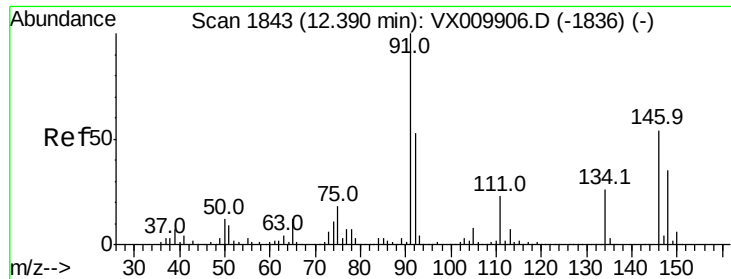
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5/30/2019 9:54:32 AM



#90
Hexachloroethane
Concen: 54.766 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	43.6	130.9





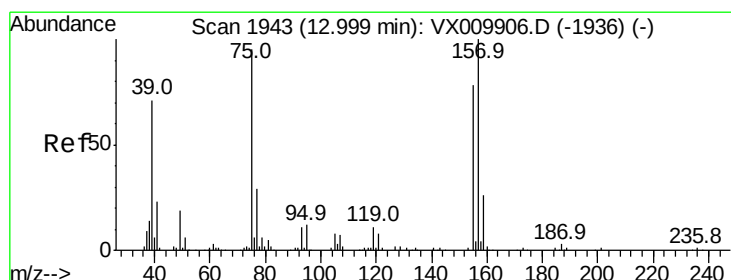
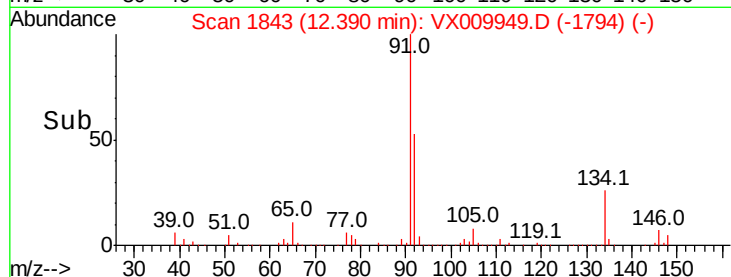
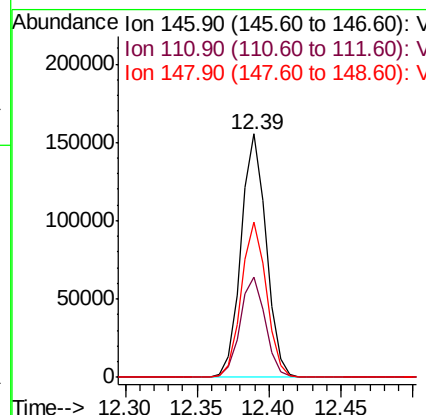
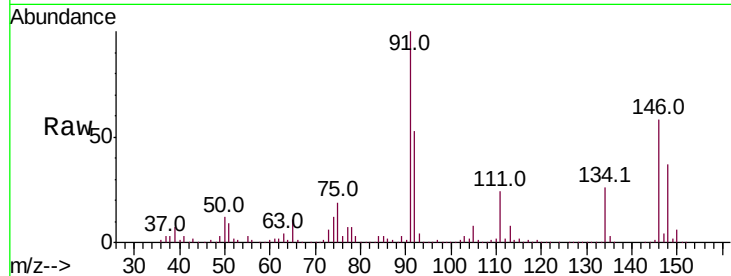
#91
 1,2-Dichlorobenzene
 Concen: 51.302 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189107		
111	41.3	21.1	63.1	
148	63.7	32.3	96.8	

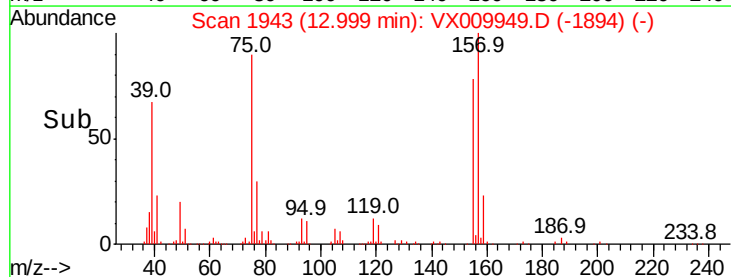
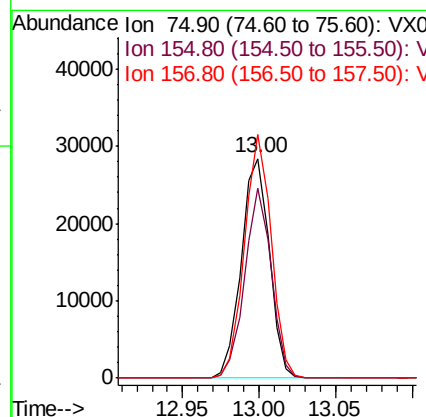
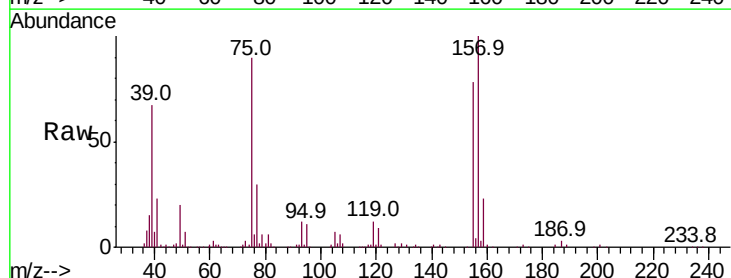
Manual Integrations
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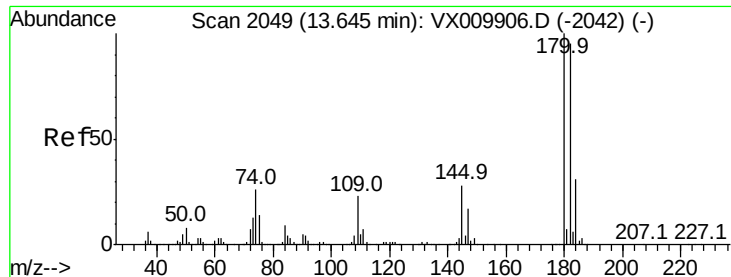
MMDadoda
 5/30/2019 9:54:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.044 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36214		
155	81.6	39.3	117.8	
157	105.8	50.6	151.8	





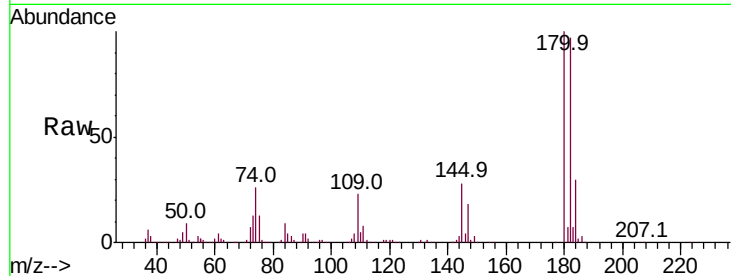
#93
 1,2,4-Trichlorobenzene
 Concen: 50.878 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

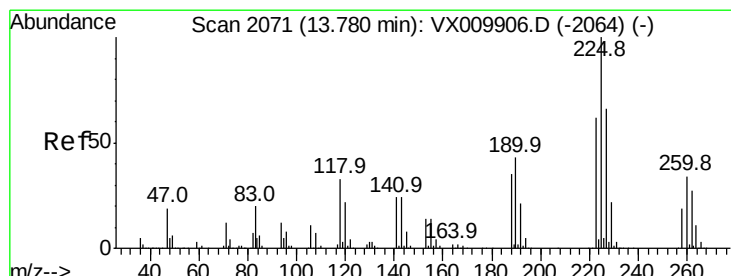
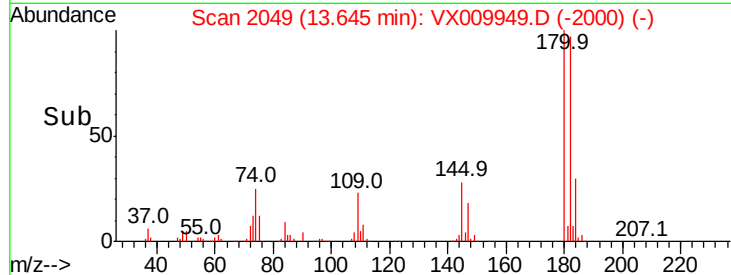
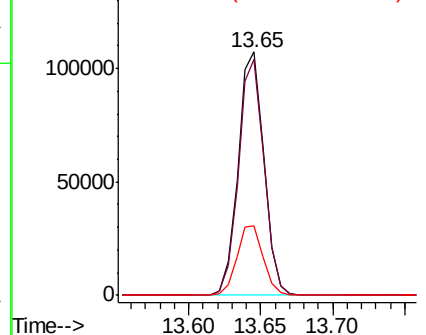
Tot Ion	Ratio	Resp	Lower	Upper
180	100	134024		
182	96.1	47.4	142.2	
145	29.4	14.5	43.5	

Manual Integrations
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MMDadoda
 5/30/2019 9:54:32 AM

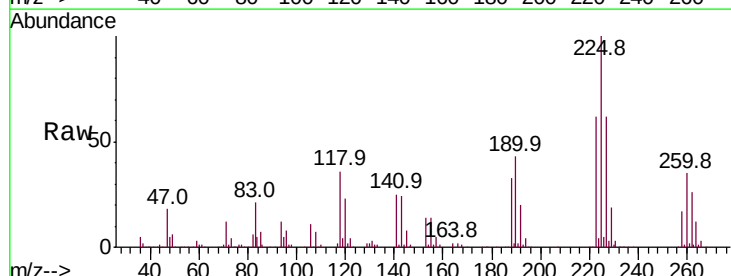


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

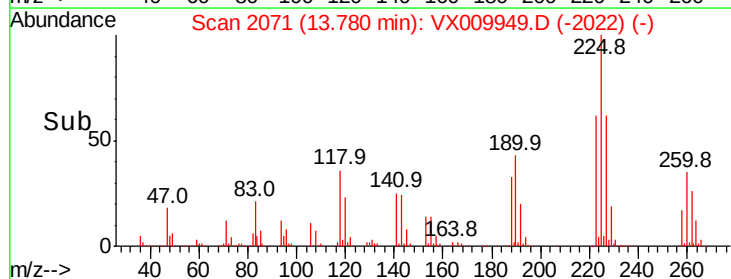
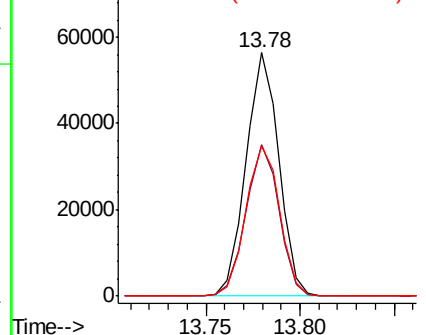


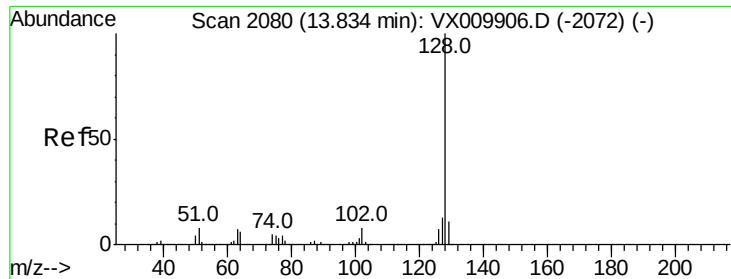
#94
 Hexachlorobutadiene
 Concen: 51.501 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009949.D
 Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68046		
223	62.9	31.3	93.8	
227	64.2	32.3	96.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





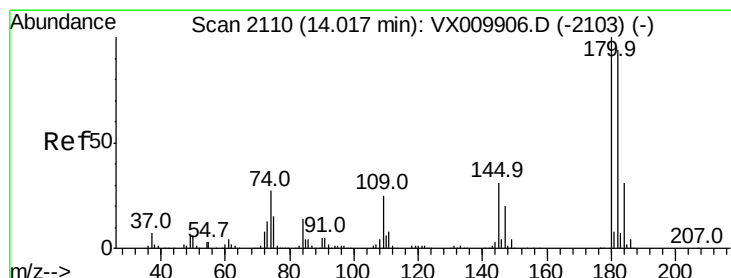
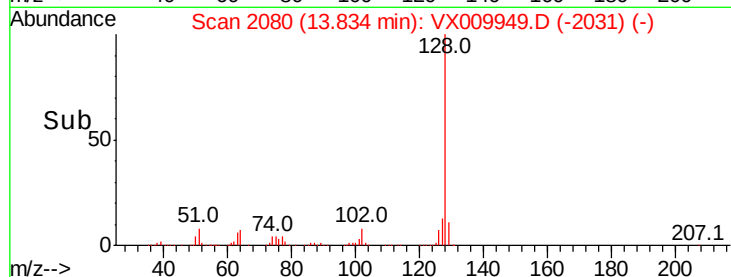
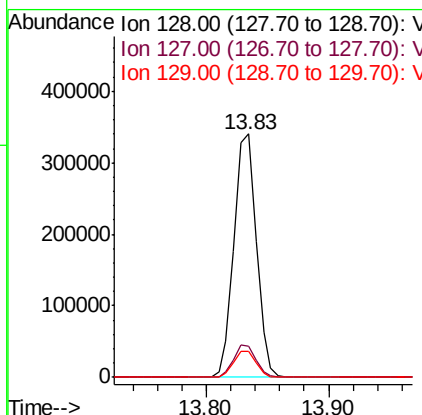
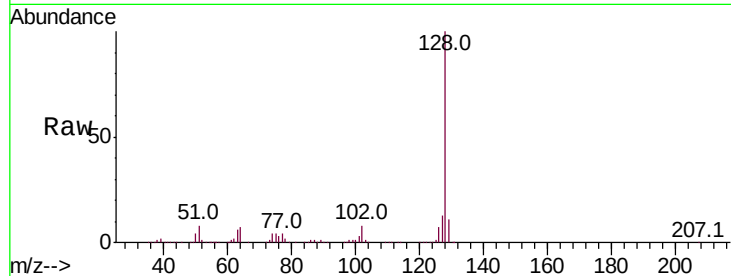
#95
Naphthalene
Concen: 52.396 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	429515		
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: 50.829 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009949.D
Acq: 29 May 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134026		
182	95.6		47.3	142.0
145	30.8		15.6	46.7

