

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053019\
 Data File : VX009971.D
 Acq On : 30 May 2019 19:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:30:42 AM

Quant Time: May 31 07:22:15 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	161015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	259312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114602	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112356	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.50	113	80055	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	329889	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	118686	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	108595	55.192	ug/l	99
3) Chloromethane	1.32	50	124343	47.008	ug/l	99
4) Vinyl Chloride	1.41	62	116915	49.031	ug/l	99
5) Bromomethane	1.64	94	49302	34.126	ug/l	100
6) Chloroethane	1.71	64	68623	46.750	ug/l	99
7) Trichlorofluoromethane	1.92	101	129148	49.013	ug/l	96
8) Diethyl Ether	2.19	74	54675	44.155	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76596	48.148	ug/l	99
10) Methyl Iodide	2.51	142	58924	31.783	ug/l	99
11) Tert butyl alcohol	3.06	59	139247	248.768	ug/l	100
12) 1,1-Dichloroethene	2.37	96	76873	47.143	ug/l	97
13) Acrolein	2.29	56	78590	202.458	ug/l	99
14) Allyl chloride	2.73	41	195835	49.412	ug/l	99
15) Acrylonitrile	3.14	53	335082	248.449	ug/l	99
16) Acetone	2.45	43	301305	229.279	ug/l	99
17) Carbon Disulfide	2.57	76	232622	47.135	ug/l	100
18) Methyl Acetate	2.78	43	154000	50.363	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	302646	49.160	ug/l	99
20) Methylene Chloride	2.85	84	95647	47.528	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	84211	46.413	ug/l	99
22) Diisopropyl ether	3.86	45	381781	50.628	ug/l	# 86
23) Vinyl Acetate	3.82	43	1713587	252.951	ug/l	100
24) 1,1-Dichloroethane	3.70	63	181323	49.617	ug/l	99
25) 2-Butanone	4.68	43	511936	250.041	ug/l	100
26) 2,2-Dichloropropane	4.59	77	120903	43.735	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	97947	46.766	ug/l	99
28) Bromochloromethane	5.02	49	92227	48.632	ug/l	99
29) Tetrahydrofuran	5.13	42	332276	253.081	ug/l	99
30) Chloroform	5.21	83	161913	49.127	ug/l	97
31) Cyclohexane	5.58	56	174674	50.465	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	134120	49.968	ug/l	99
36) 1,1-Dichloropropene	5.80	75	125545	47.717	ug/l	99
37) Ethyl Acetate	4.84	43	186862	50.972	ug/l	100
38) Carbon Tetrachloride	5.79	117	112236	49.366	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	155175	49.722	ug/l	99
40) Benzene	6.15	78	382646	49.027	ug/l	100
41) Methacrylonitrile	5.04	41	106798	49.855	ug/l	99
42) 1,2-Dichloroethane	6.20	62	142562	49.408	ug/l	99
43) Isopropyl Acetate	6.45	43	299157	50.574	ug/l	100
44) Trichloroethene	7.21	130	88862	46.873	ug/l	99
45) 1,2-Dichloropropane	7.51	63	108675	48.370	ug/l	99
46) Dibromomethane	7.66	93	62812	47.495	ug/l	99
47) Bromodichloromethane	7.90	83	127441	50.675	ug/l	100
48) Methyl methacrylate	7.77	41	151000	51.567	ug/l	99
49) 1,4-Dioxane	7.74	88	53188	976.494	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	986777	256.443	ug/l	99
52) Toluene	8.79	92	233625	49.301	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	146066	48.429	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	159796	48.627	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	94152	49.364	ug/l	99
56) Ethyl methacrylate	9.18	69	173683	51.150	ug/l	99
57) 1,3-Dichloropropane	9.37	76	167254	48.829	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	445640	250.281	ug/l	100
59) 2-Hexanone	9.49	43	760347	256.653	ug/l	99
60) Dibromochloromethane	9.58	129	95459	50.879	ug/l	100
61) 1,2-Dibromoethane	9.67	107	96592	49.295	ug/l	100
64) Tetrachloroethene	9.34	164	82344	50.058	ug/l	98
65) Chlorobenzene	10.14	112	240069	48.693	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	86413	50.534	ug/l	99
67) Ethyl Benzene	10.25	91	445353	50.309	ug/l	100
68) m/p-Xylenes	10.36	106	322591	98.641	ug/l	99
69) o-Xylene	10.70	106	157452	50.201	ug/l	99
70) Styrene	10.71	104	275973	50.179	ug/l	100
71) Bromoform	10.85	173	72690	52.004	ug/l	100
73) Isopropylbenzene	11.02	105	422862	50.010	ug/l	99
74) N-amyl acetate	10.90	43	254389	50.347	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	155320	49.237	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135275m	49.362	ug/l	
77) Bromobenzene	11.26	156	104646	48.563	ug/l	98
78) n-propylbenzene	11.36	91	493068	50.590	ug/l	100
79) 2-Chlorotoluene	11.42	91	291719	48.989	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	358499	50.326	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52416	47.322	ug/l	96
82) 4-Chlorotoluene	11.51	91	339285	48.945	ug/l	100
83) tert-Butylbenzene	11.77	119	338255	49.633	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	358735	49.588	ug/l	99
85) sec-Butylbenzene	11.94	105	407350	50.242	ug/l	100
86) p-Isopropyltoluene	12.06	119	372831	51.124	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183394	47.804	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184143	47.065	ug/l	99
89) n-Butylbenzene	12.38	91	345161	50.362	ug/l	100
90) Hexachloroethane	12.60	117	63288	50.569	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	182957	48.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35210	47.419	ug/l	96

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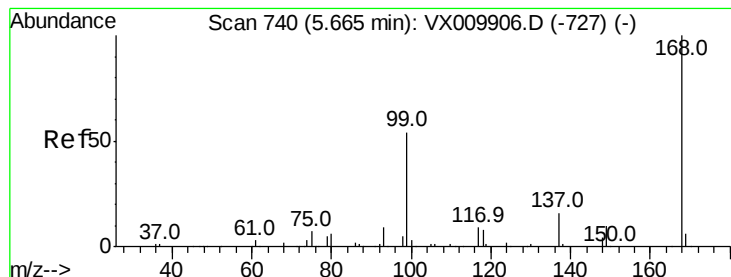
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129639	47.962	ug/l	98
94) Hexachlorobutadiene	13.78	225	66788	49.263	ug/l	99
95) Naphthalene	13.83	128	416080	49.466	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128749	47.586	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 161015

Ion Ratio Lower Upper

168 100

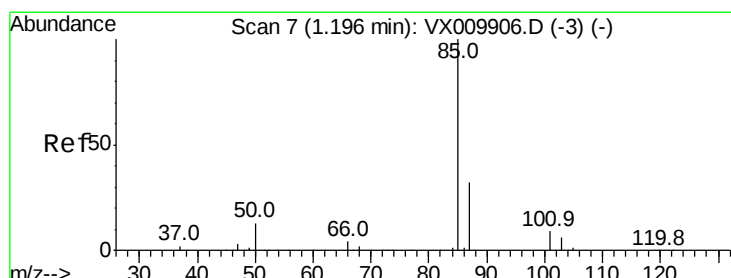
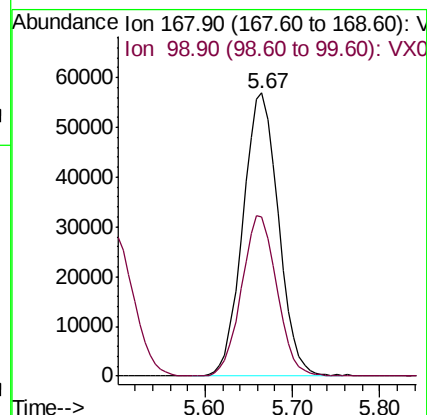
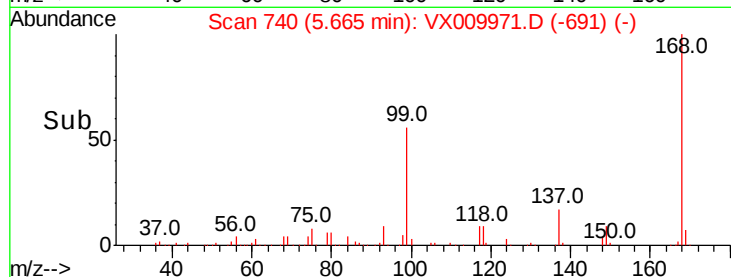
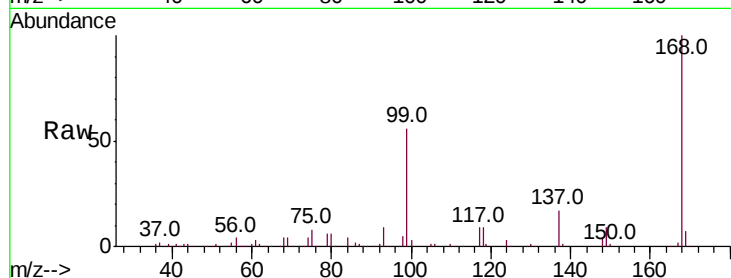
99 56.1 43.0 64.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 55.192 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009971.D

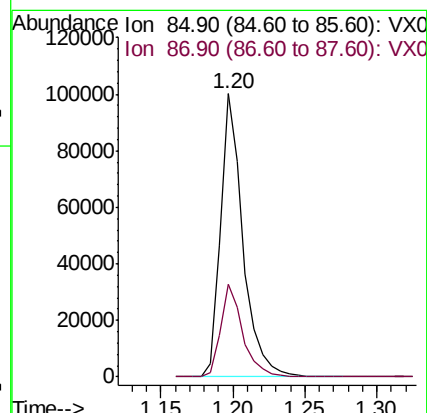
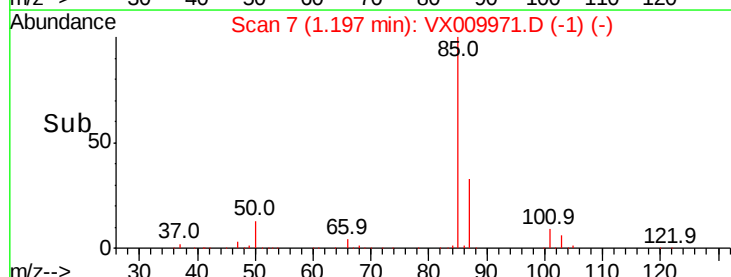
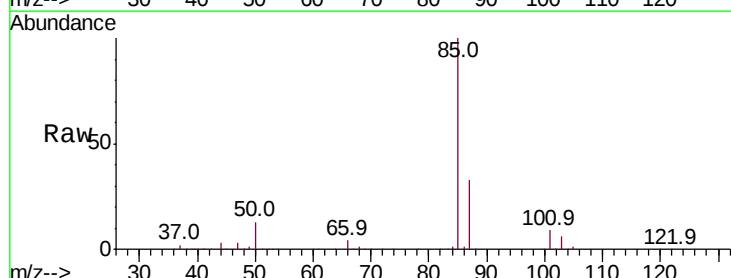
Acq: 30 May 2019 19:22

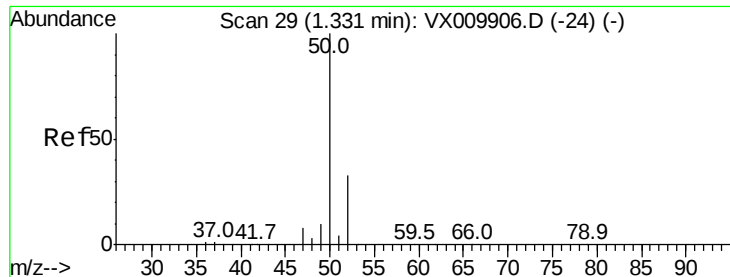
Tgt Ion: 85 Resp: 108595

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2





#3

Chloromethane

Concen: 47.008 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124343

Ion Ratio Lower Upper

50 100

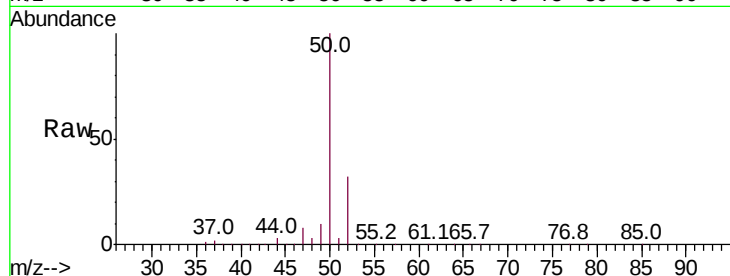
52 32.2 26.0 39.0

Manual Integrations

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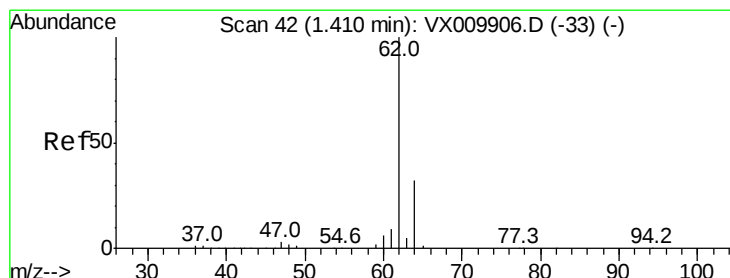
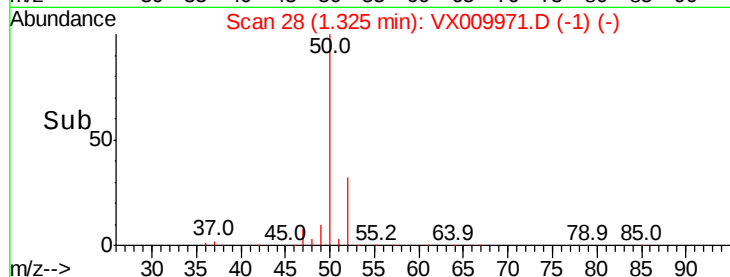
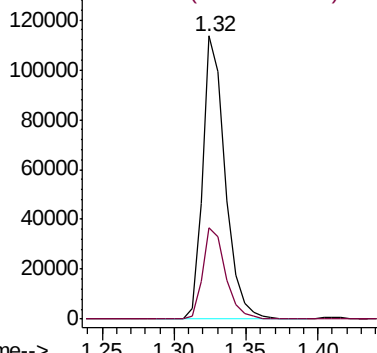
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.031 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009971.D

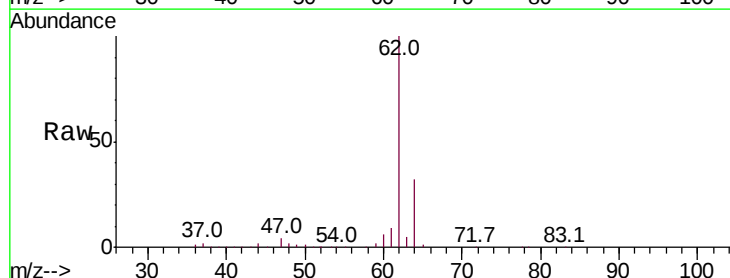
Acq: 30 May 2019 19:22

Tgt Ion: 62 Resp: 116915

Ion Ratio Lower Upper

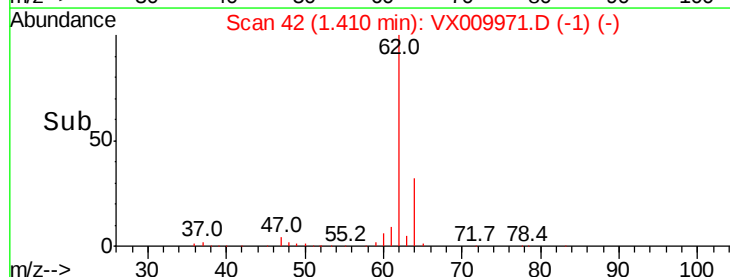
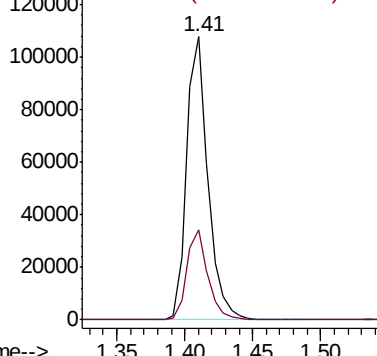
62 100

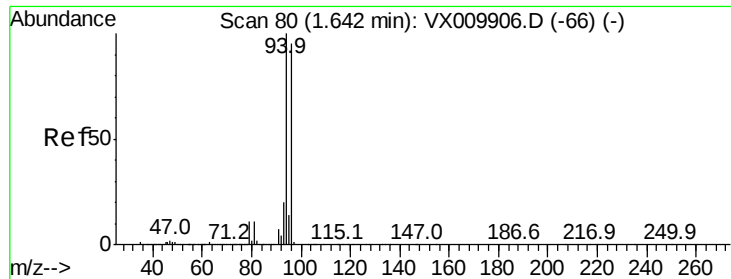
64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 34.126 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49302

Ion Ratio Lower Upper

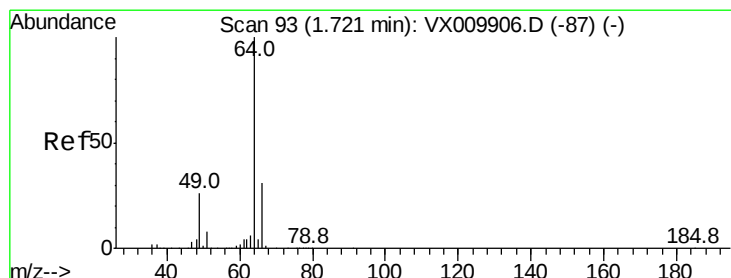
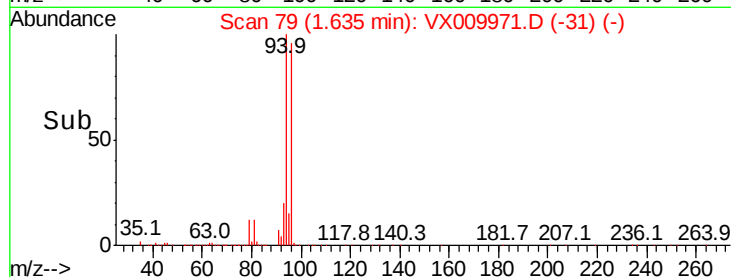
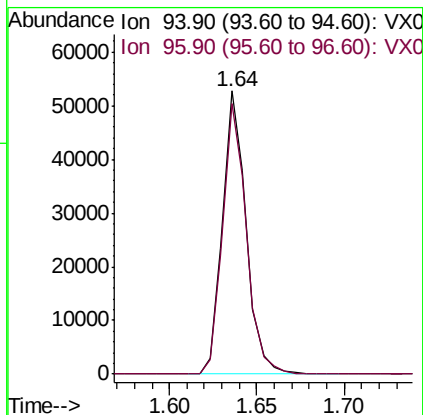
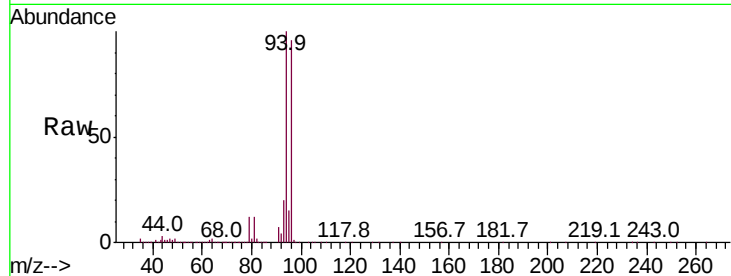
94 100

96 95.6 76.2 114.4

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#6

Chloroethane

Concen: 46.750 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009971.D

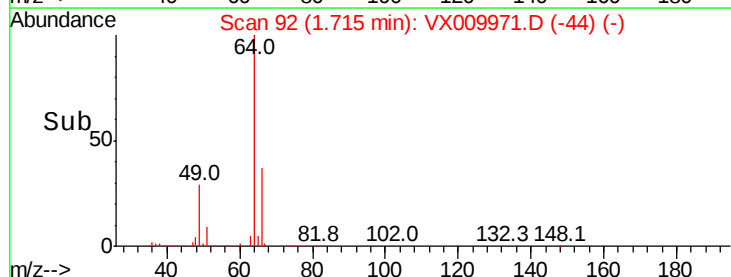
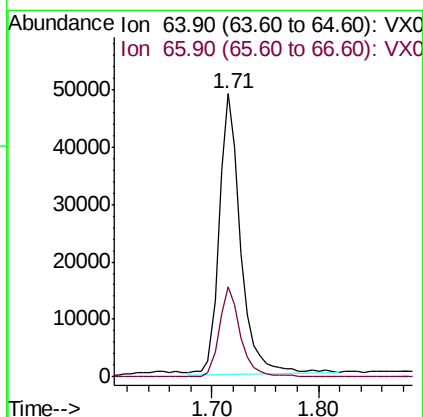
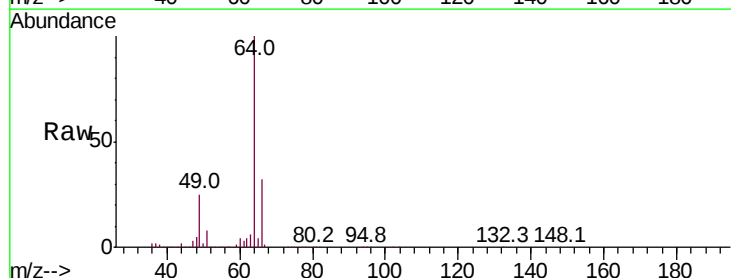
Acq: 30 May 2019 19:22

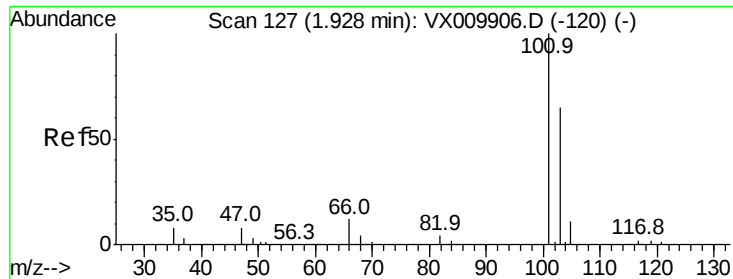
Tgt Ion: 64 Resp: 68623

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

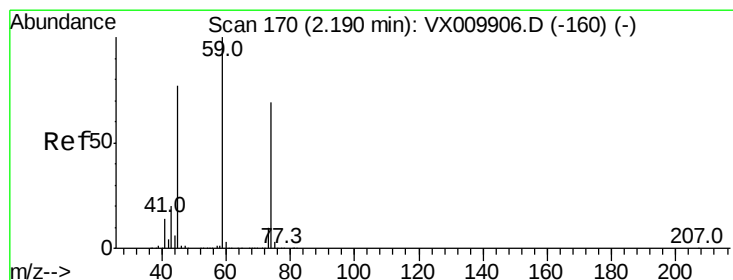
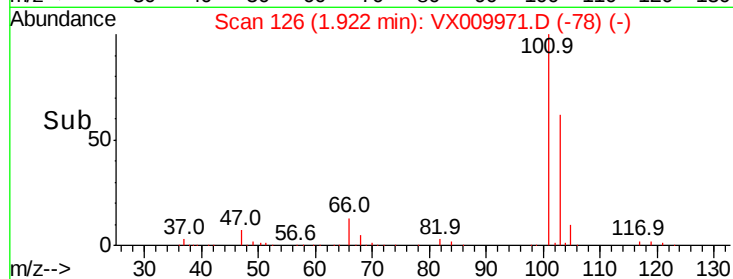
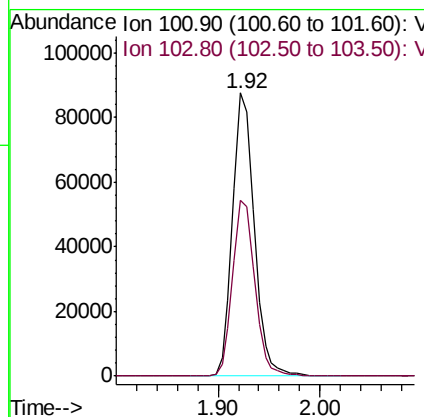
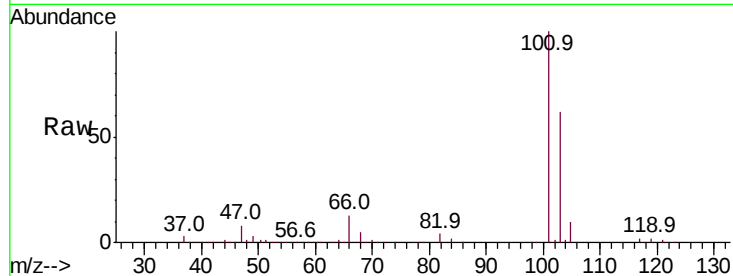
Trichlorofluoromethane
 Concen: 49.013 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 129148
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.2 78.4

Manual Integrations
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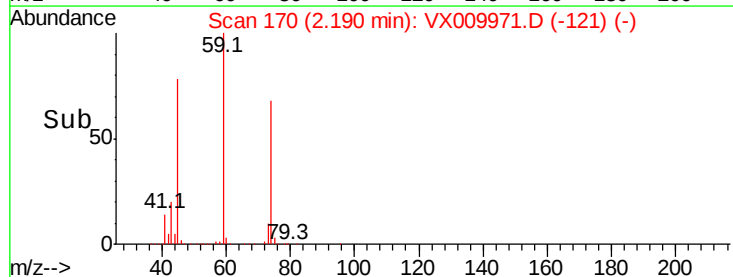
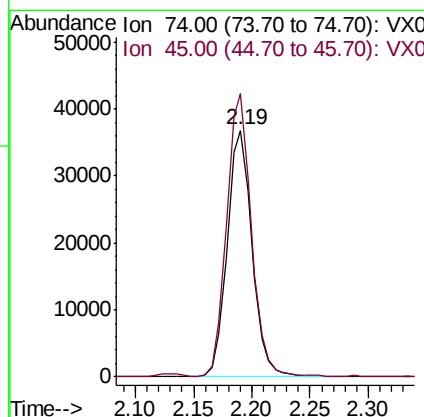
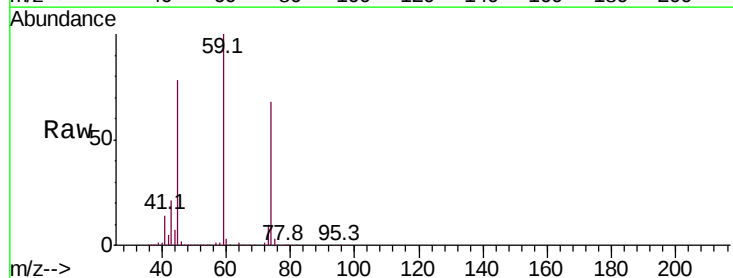
MMDadoda
 5/31/2019 9:30:42 AM

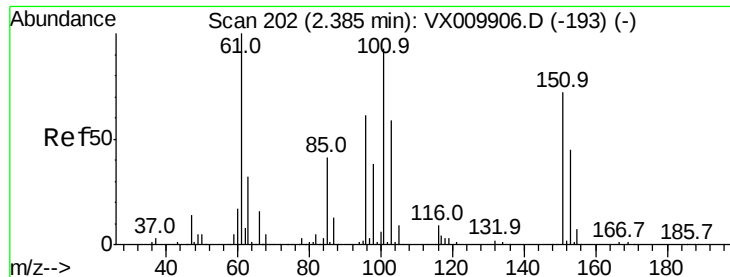


#8

Diethyl Ether
 Concen: 44.155 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion: 74 Resp: 54675
 Ion Ratio Lower Upper
 74 100
 45 113.0 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.148 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

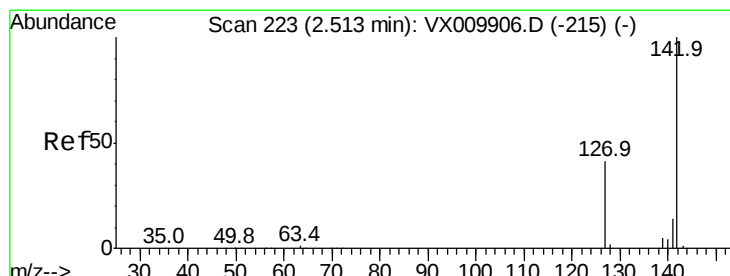
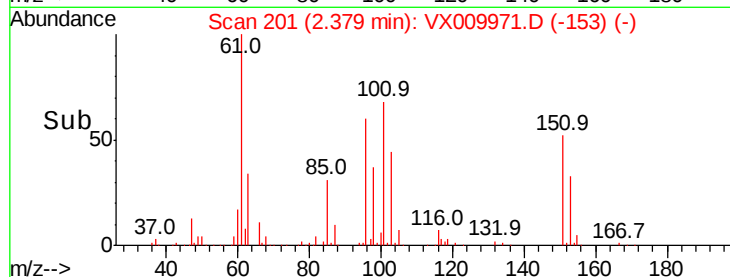
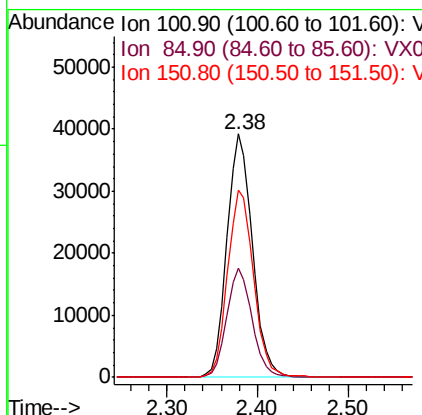
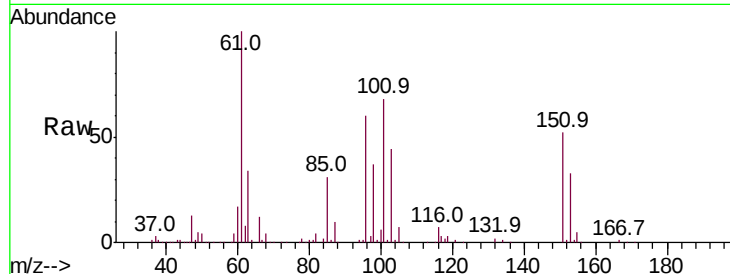
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	76596
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	78.2	61.9	92.9

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#10

Methyl Iodide

Concen: 31.783 ug/l

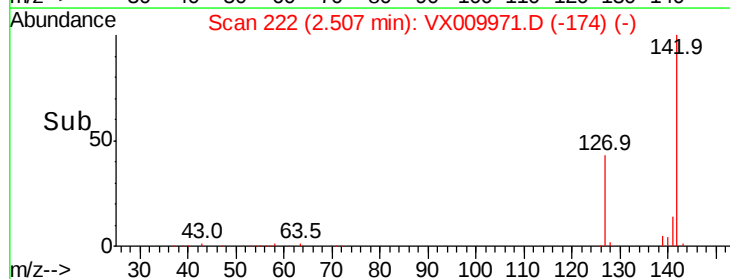
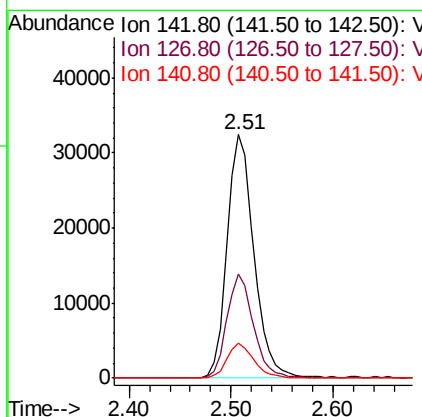
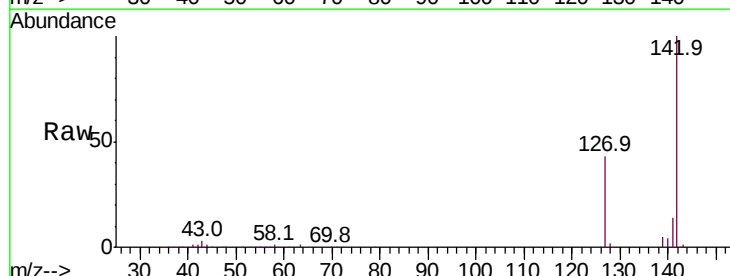
RT: 2.51 min Scan# 222

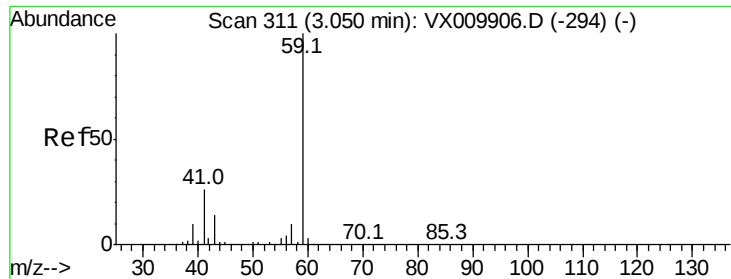
Delta R.T. -0.01 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Tgt Ion:	142	Resp:	58924
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.0	49.4
141	14.3	11.4	17.0





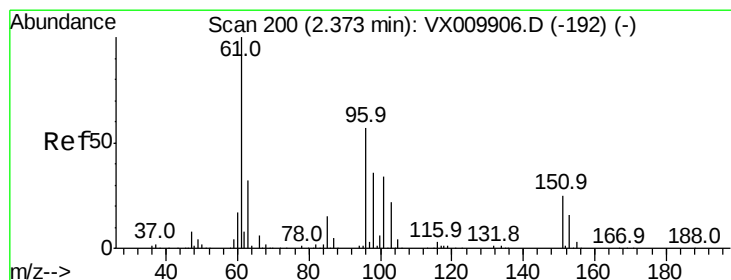
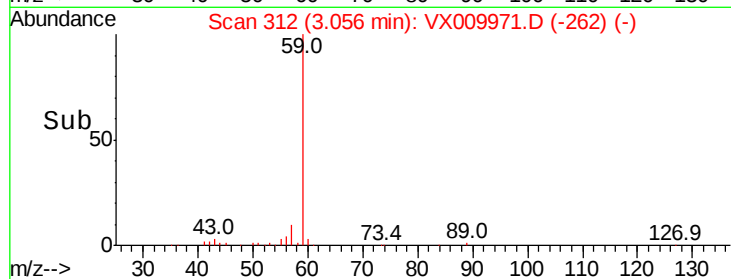
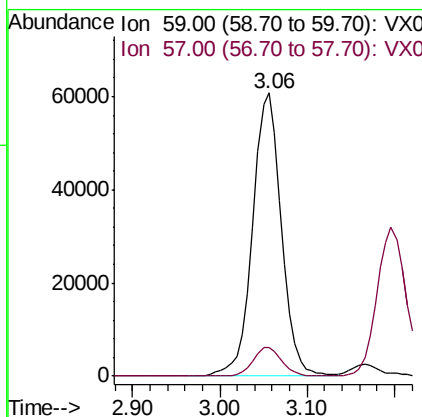
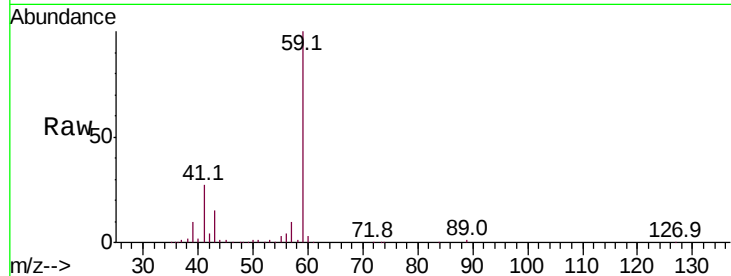
#11
Tert butyl alcohol
Concen: 248.768 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 139247
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

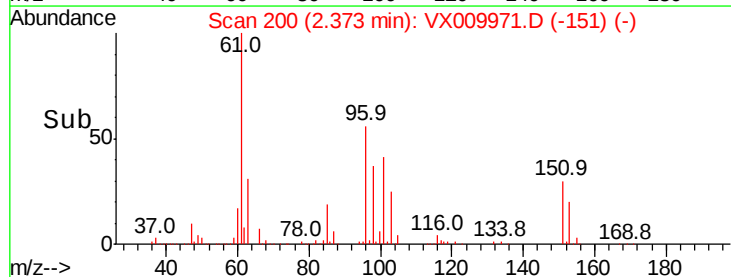
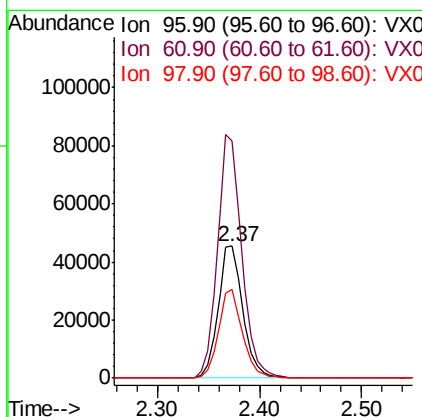
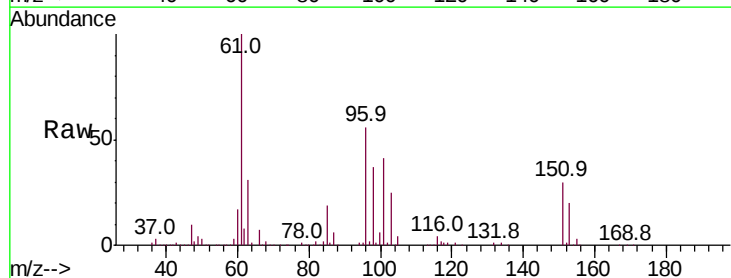
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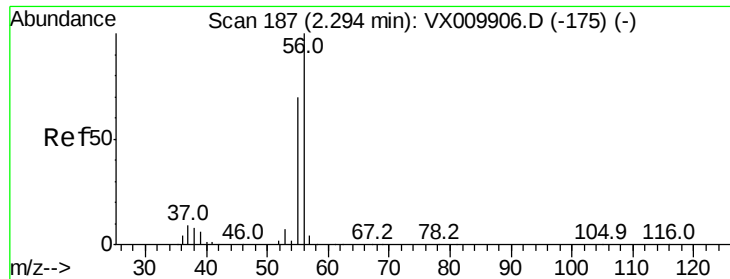
MMDadoda
5/31/2019 9:30:42 AM



#12
1,1-Dichloroethene
Concen: 47.143 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion: 96 Resp: 76873
Ion Ratio Lower Upper
96 100
61 179.1 140.7 211.1
98 67.1 50.1 75.1





#13

Acrolein

Concen: 202.458 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 78590

Ion Ratio Lower Upper

56 100

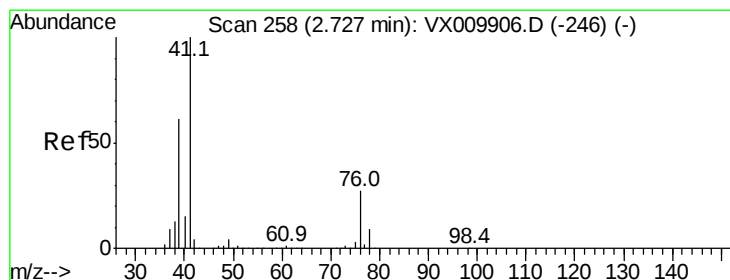
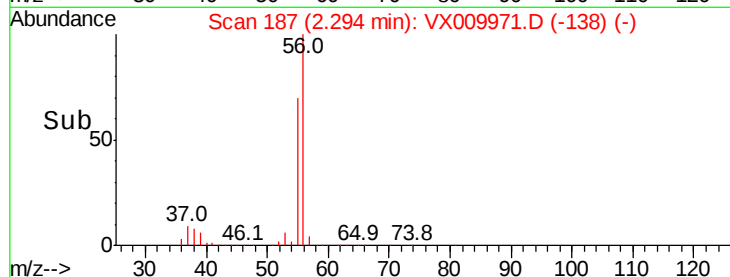
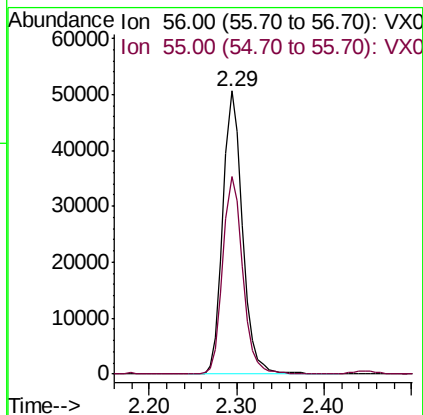
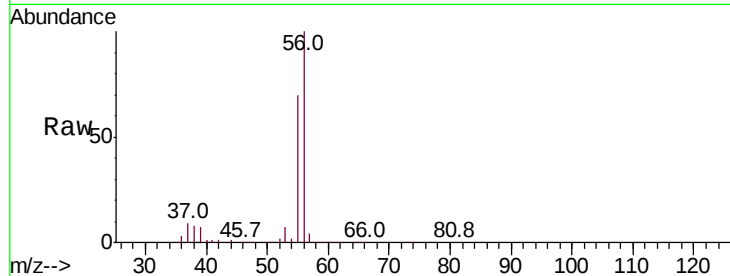
55 70.5 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 49.412 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

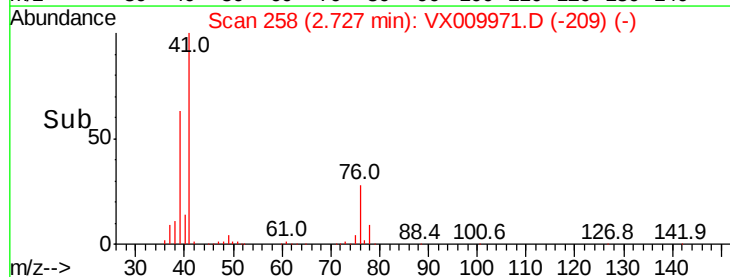
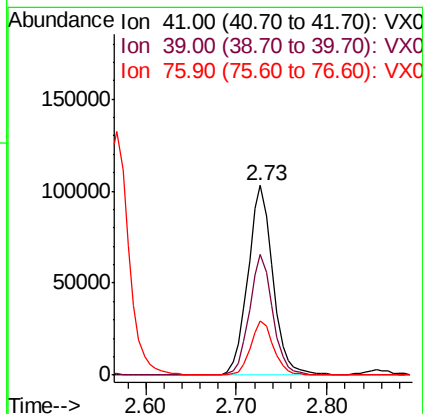
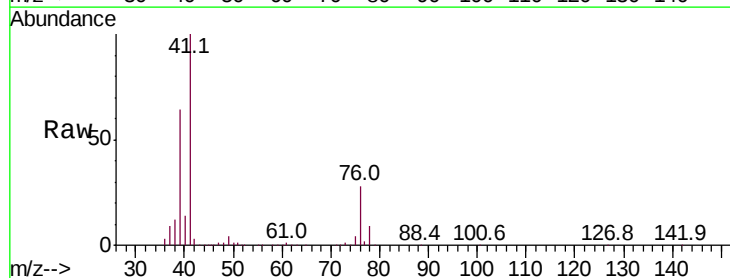
Tgt Ion: 41 Resp: 195835

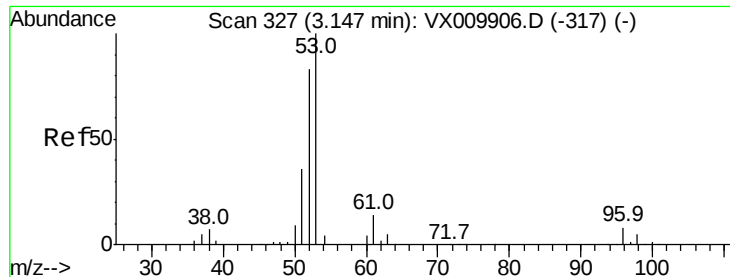
Ion Ratio Lower Upper

41 100

39 59.3 46.7 70.1

76 26.2 21.0 31.4





#15

Acrylonitrile

Concen: 248.449 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

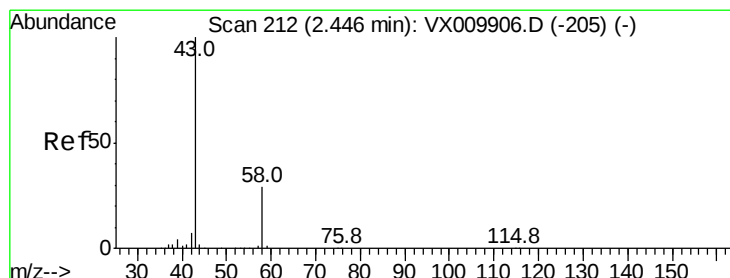
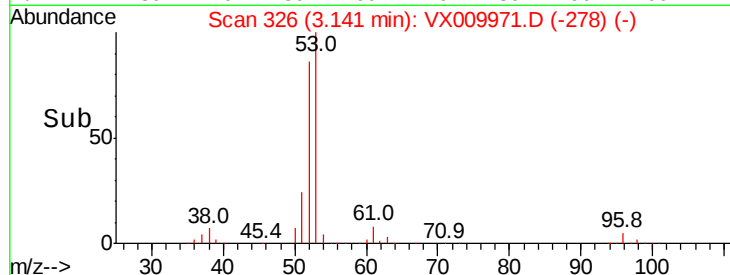
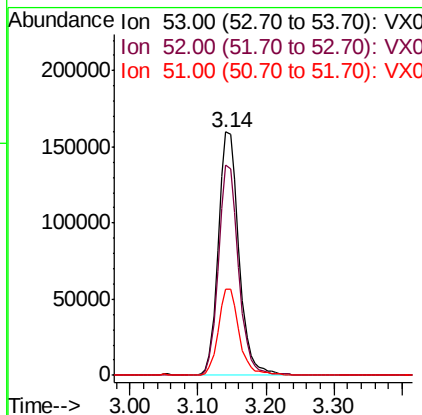
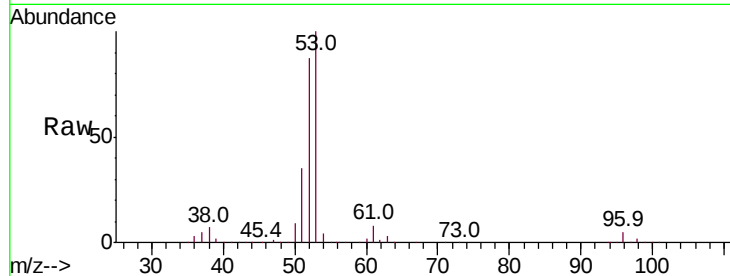
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	335082
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.7	100.1
51	35.6	28.8	43.2

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#16

Acetone

Concen: 229.279 ug/l

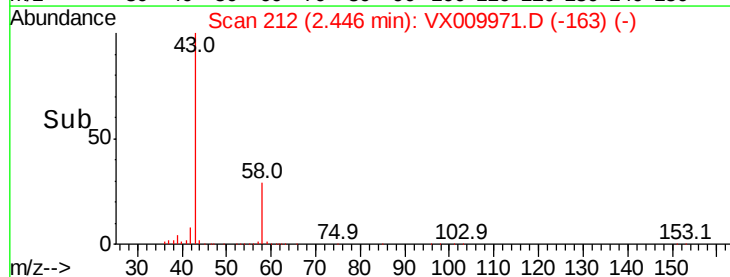
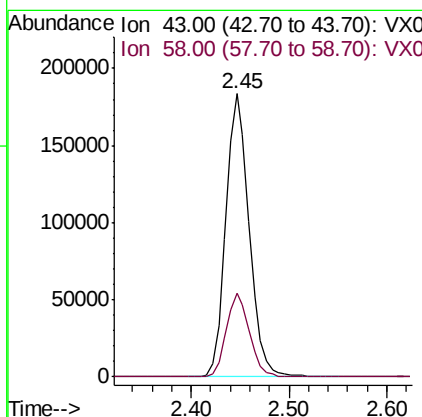
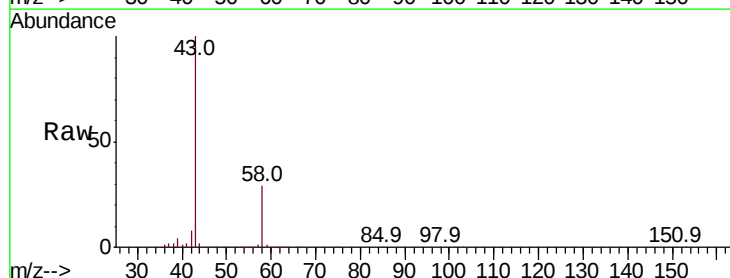
RT: 2.45 min Scan# 212

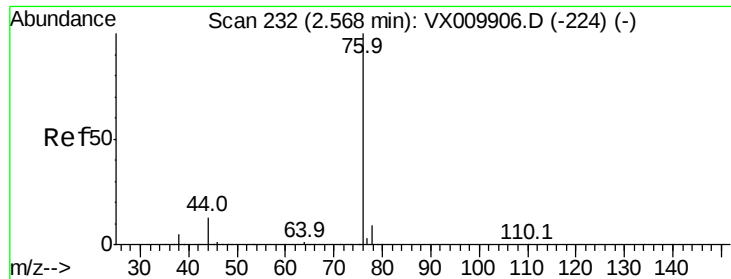
Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Tgt Ion:	43	Resp:	301305
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.2	34.8





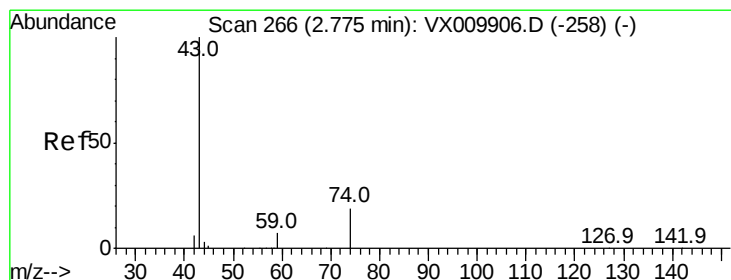
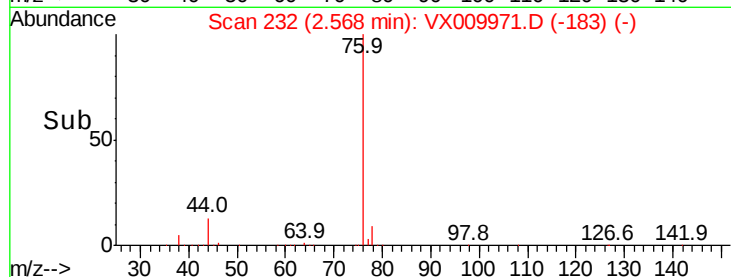
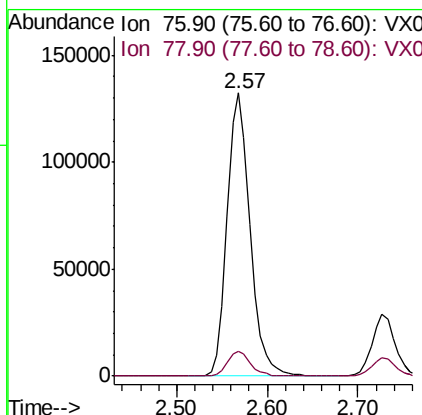
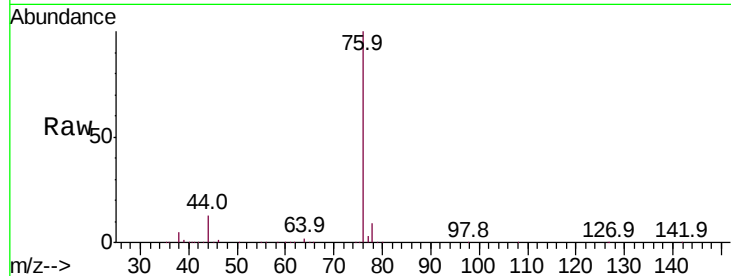
#17
Carbon Disulfide
Concen: 47.135 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

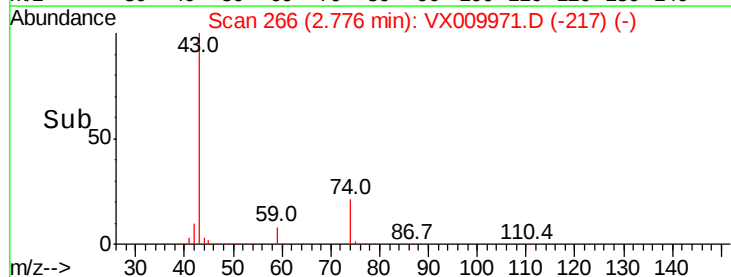
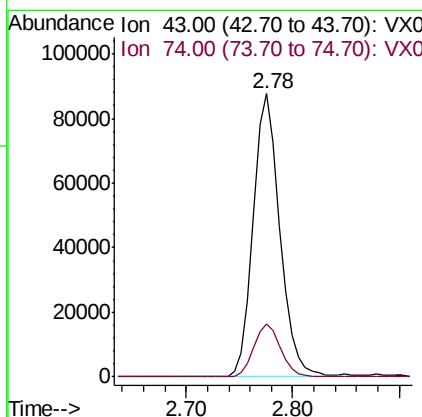
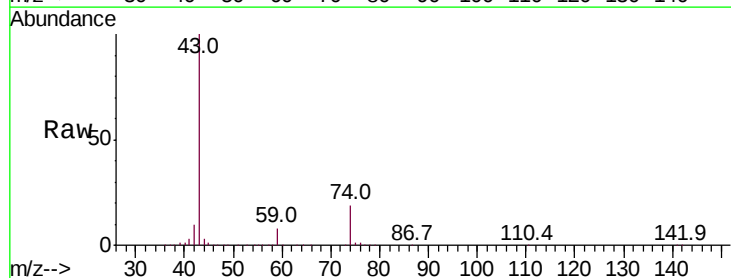
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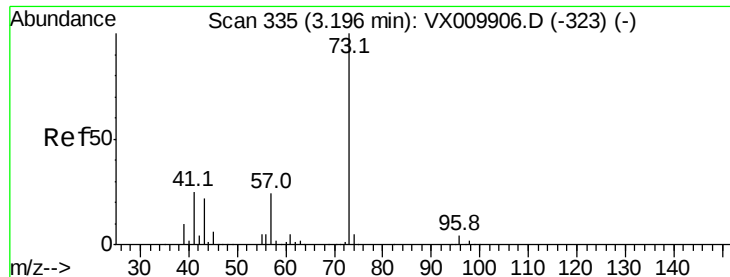
MMDadoda
5/31/2019 9:30:42 AM



#18
Methyl Acetate
Concen: 50.363 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.8	23.6





#19

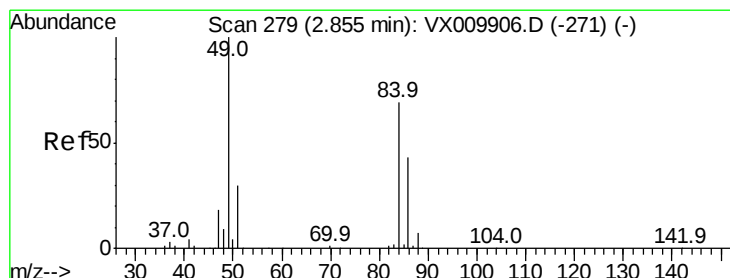
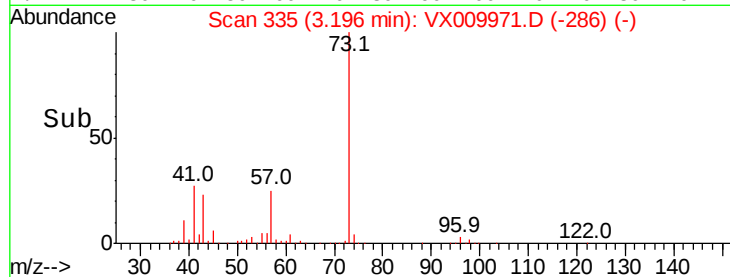
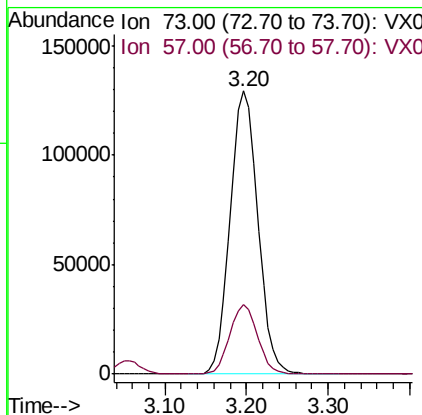
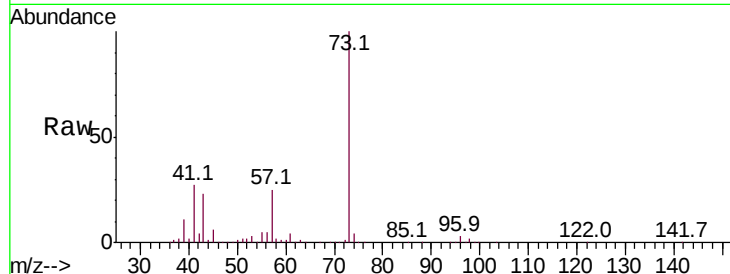
Methyl tert-butyl Ether
 Concen: 49.160 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.4	29.2

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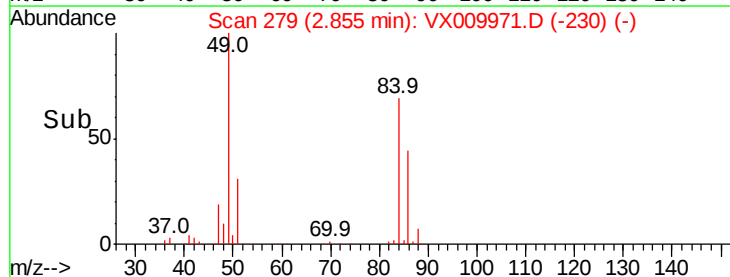
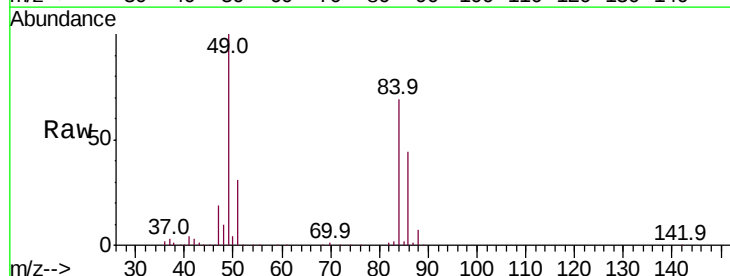
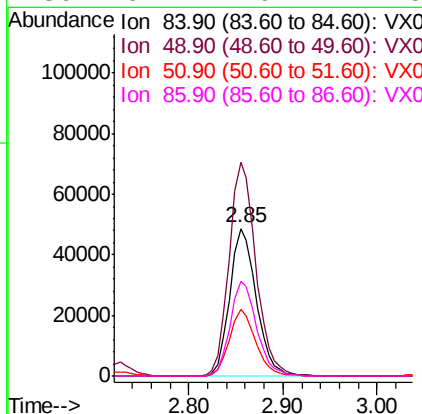
MMDadoda
 5/31/2019 9:30:42 AM

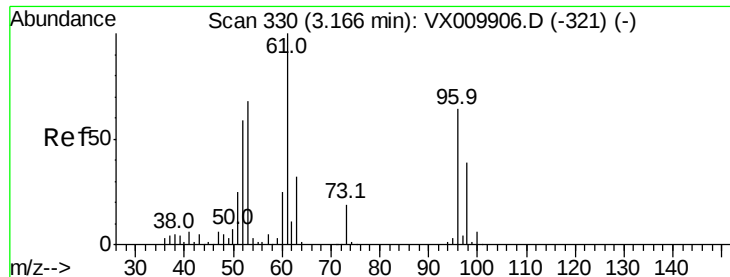


#20

Methylene Chloride
 Concen: 47.528 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.5	115.8	173.6
51	44.8	34.4	51.6
86	64.2	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 46.413 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 84211

Ion Ratio Lower Upper

96 100

61 157.6 125.7 188.5

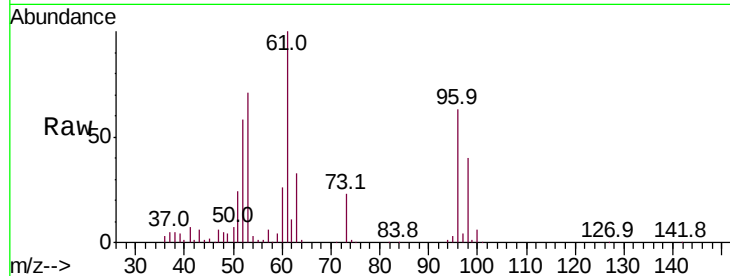
98 63.1 49.0 73.6

Manual Integrations

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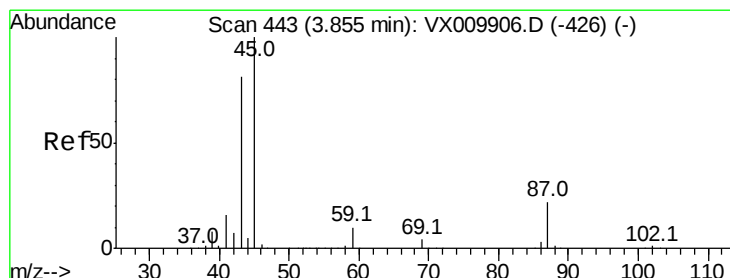
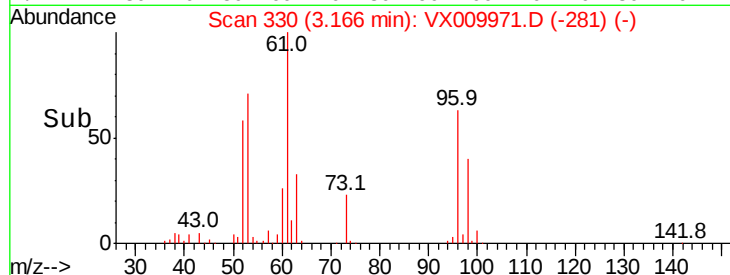
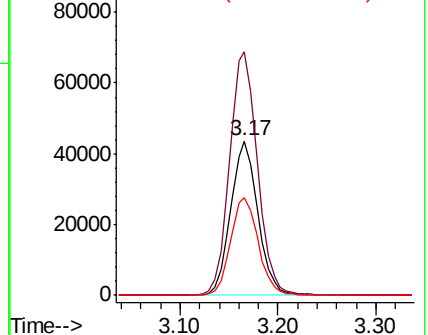
5/31/2019 9:30:42 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.628 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Tgt Ion: 45 Resp: 381781

Ion Ratio Lower Upper

45 100

43 64.5 65.0 97.4#

87 22.0 17.3 25.9

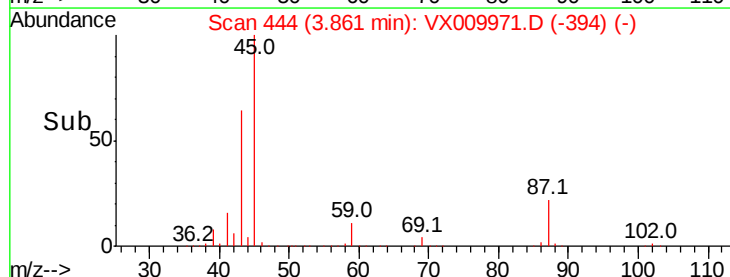
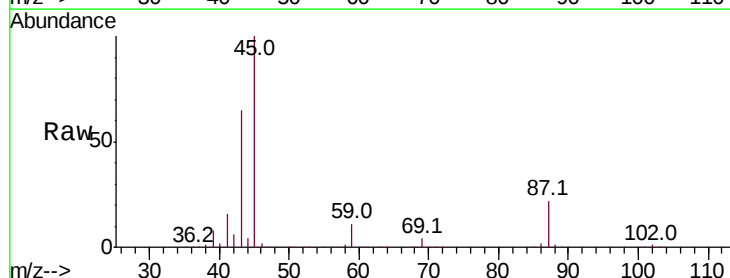
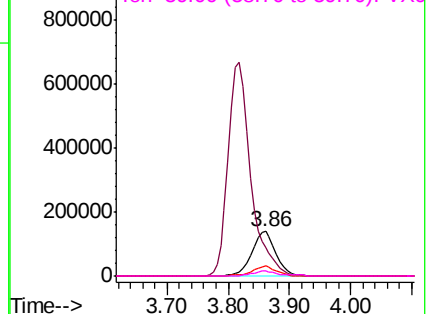
59 10.5 8.1 12.1

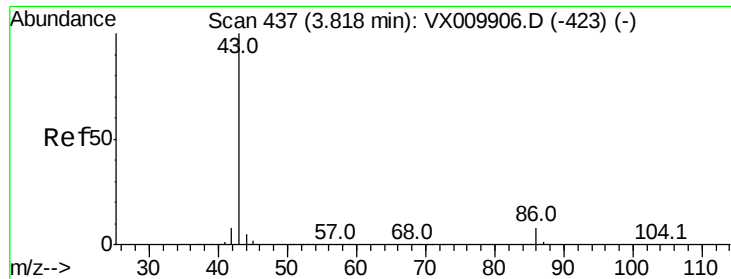
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 252.951 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1713587

Ion Ratio Lower Upper

43 100

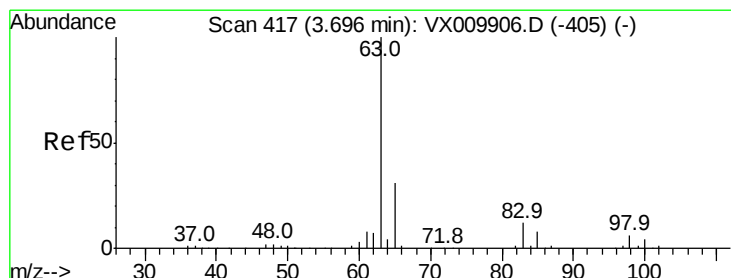
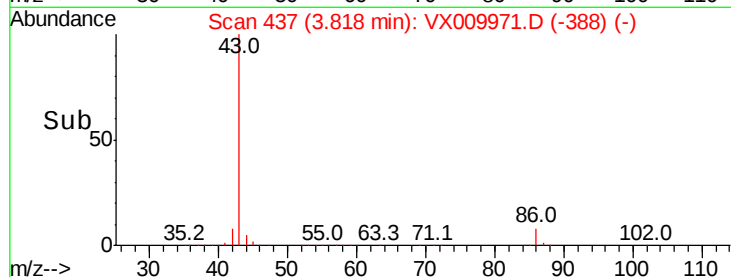
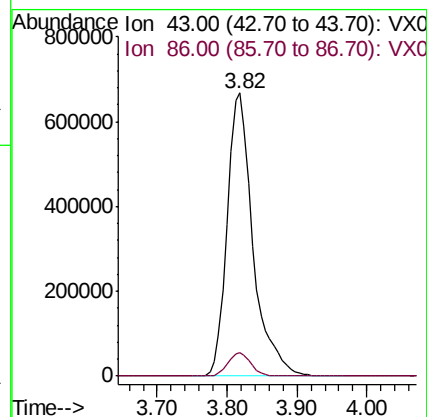
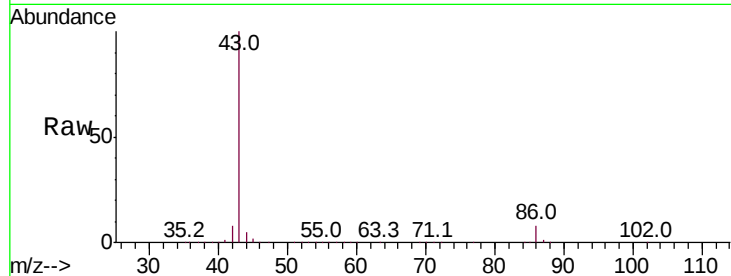
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.617 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

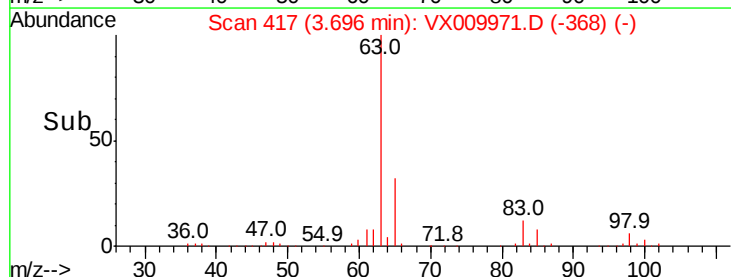
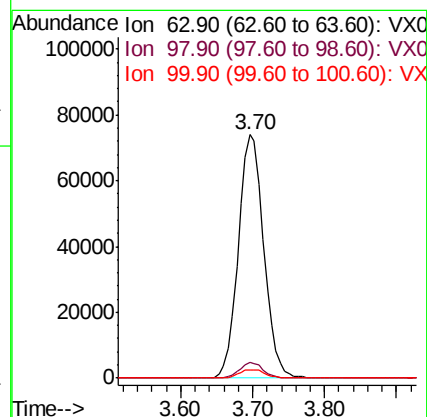
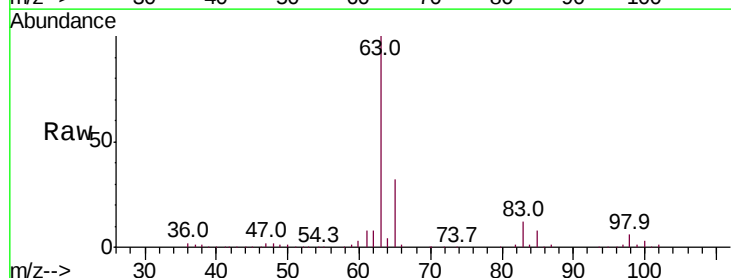
Tgt Ion: 63 Resp: 181323

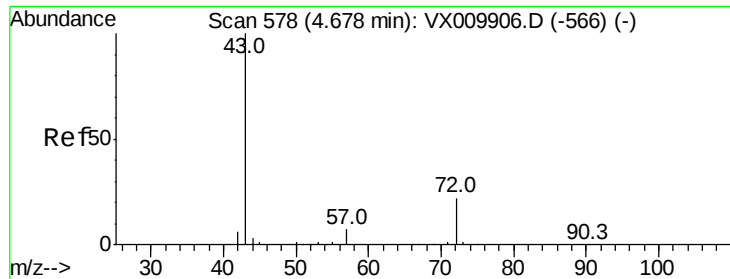
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.4 1.8 5.4





#25

2-Butanone

Concen: 250.041 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 511936

Ion Ratio Lower Upper

43 100

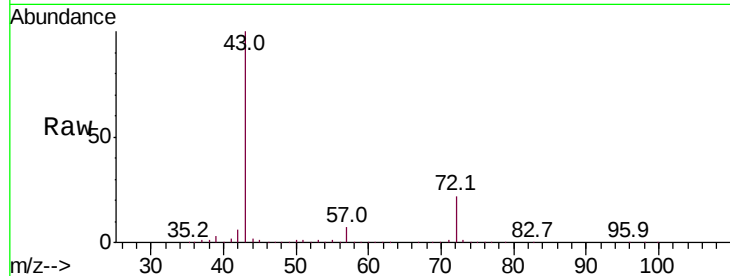
72 21.7 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

0

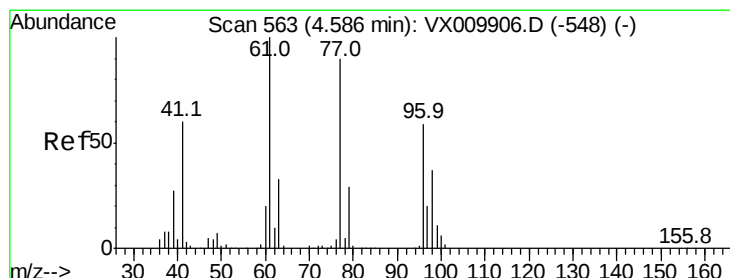
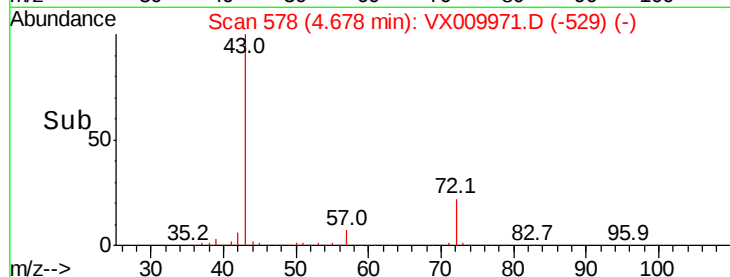
4.68

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.735 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX009971.D

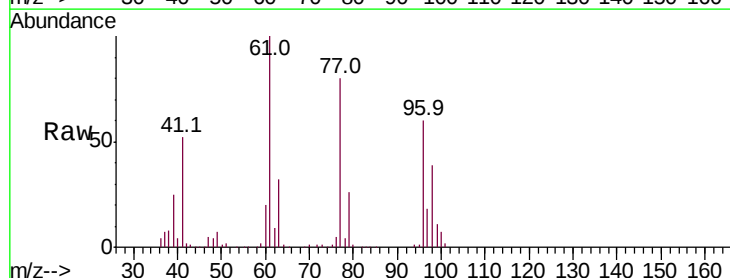
Acq: 30 May 2019 19:22

Tgt Ion: 77 Resp: 120903

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

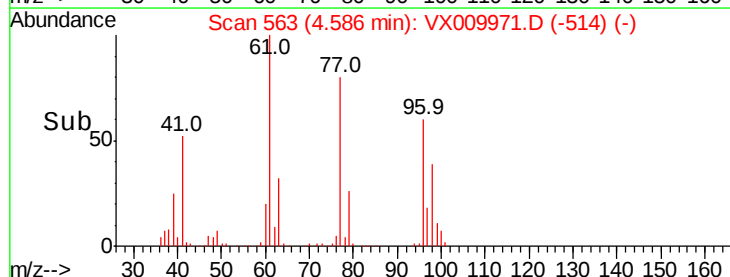
4.59

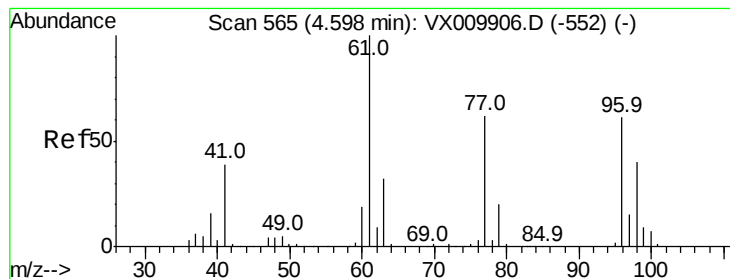
4.50

4.60

4.70

Time-->





#27

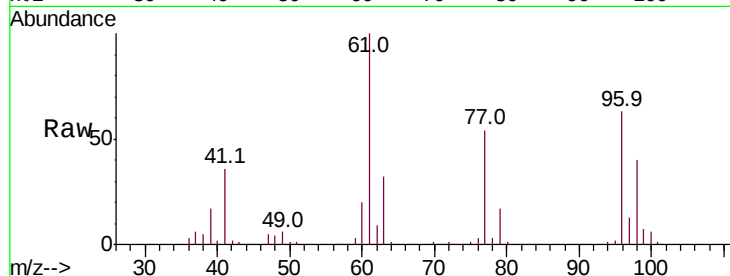
cis-1,2-Dichloroethene
Concen: 46.766 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

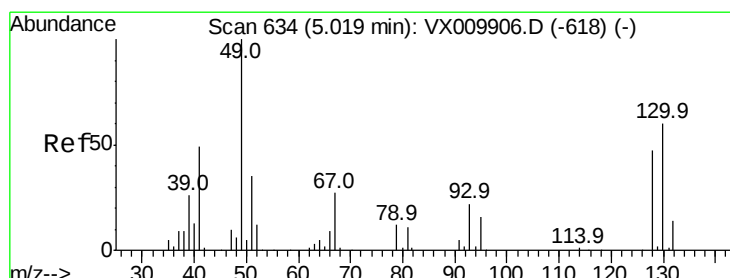
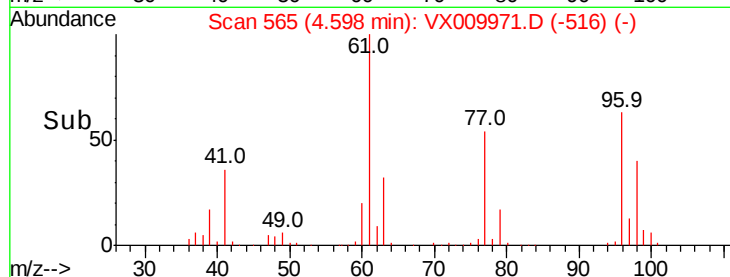
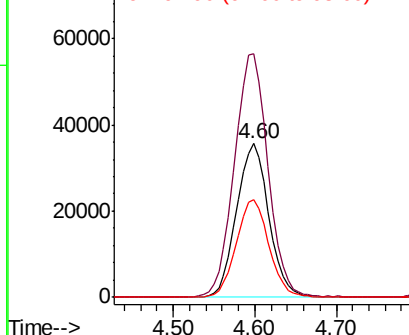
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	334.0
98	64.2	0.0	131.6

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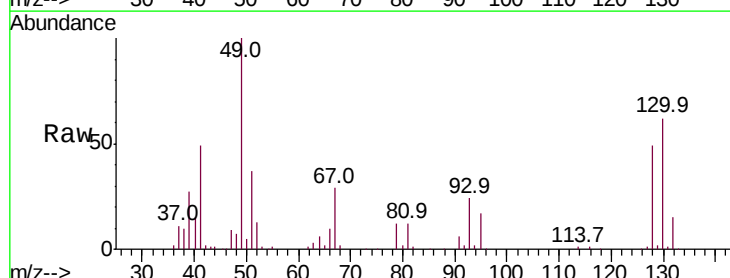
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



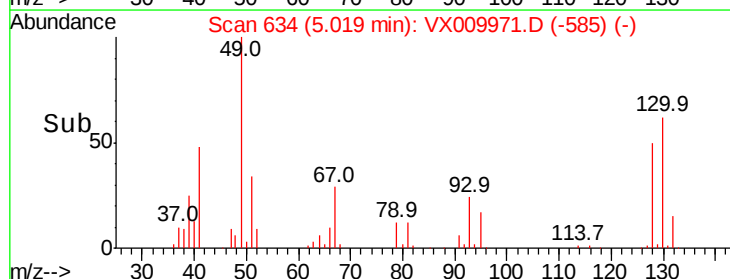
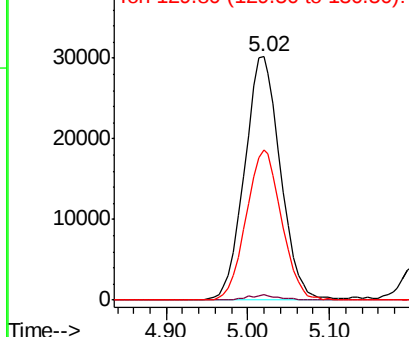
#28

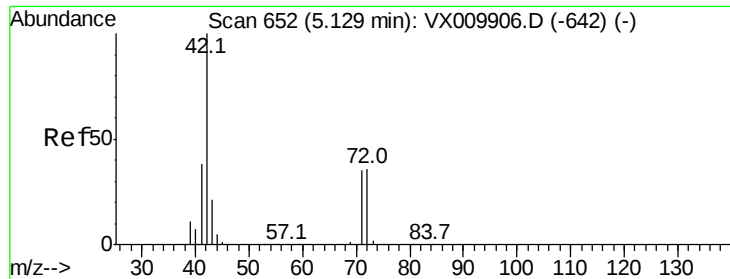
Bromochloromethane
Concen: 48.632 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt 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





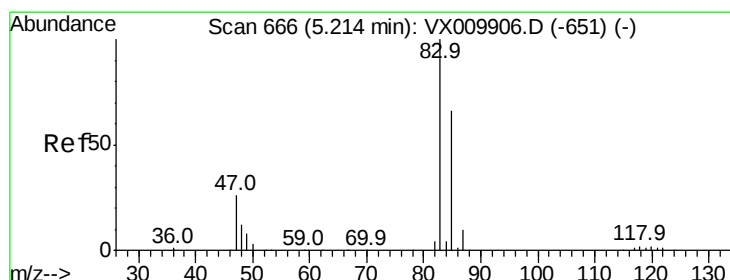
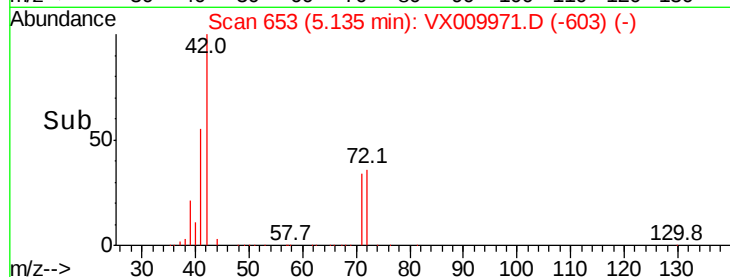
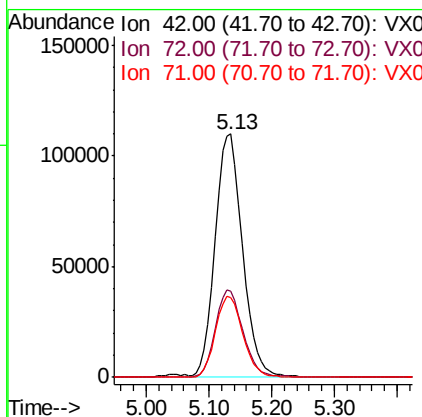
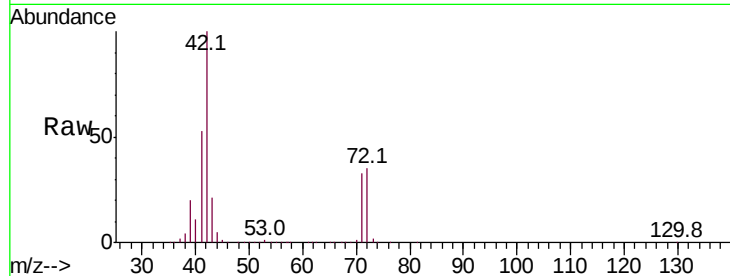
#29
Tetrahydrofuran
Concen: 253.081 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.2	43.8
71	33.5	27.6	41.4

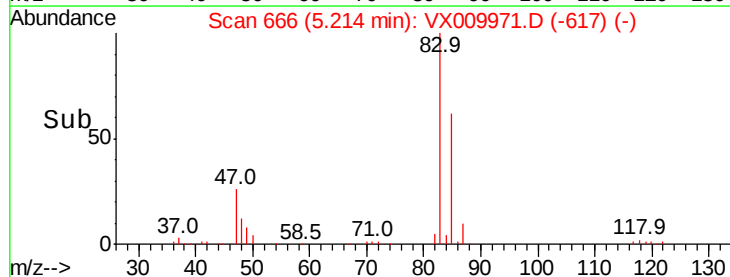
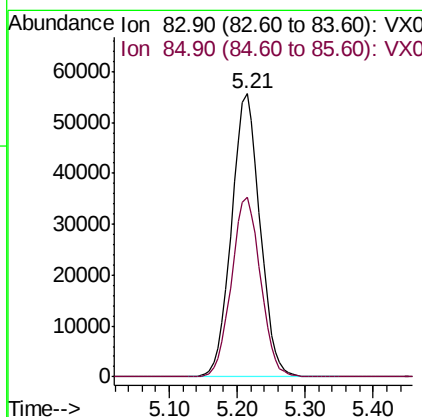
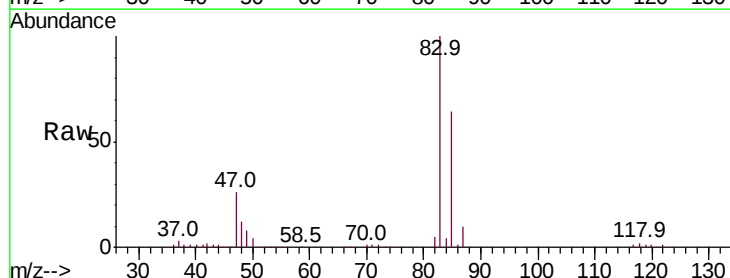
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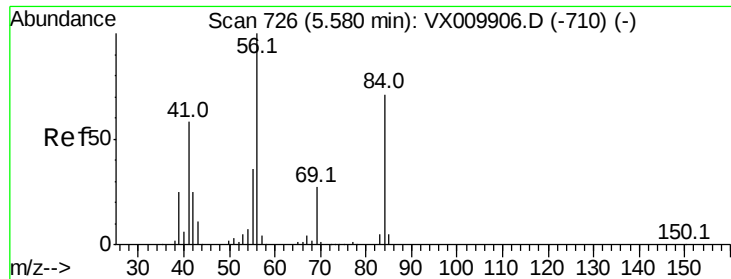
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#30
Chloroform
Concen: 49.127 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





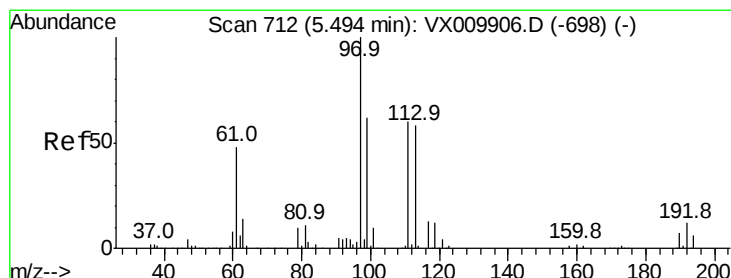
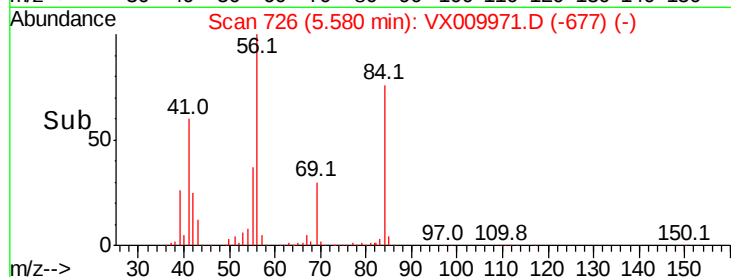
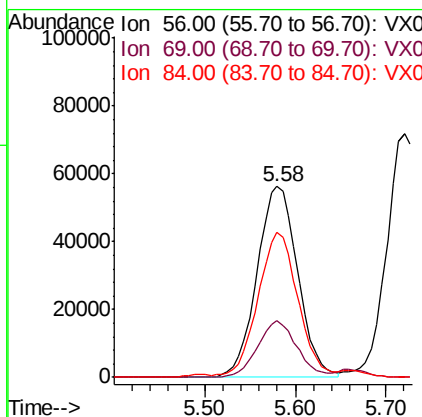
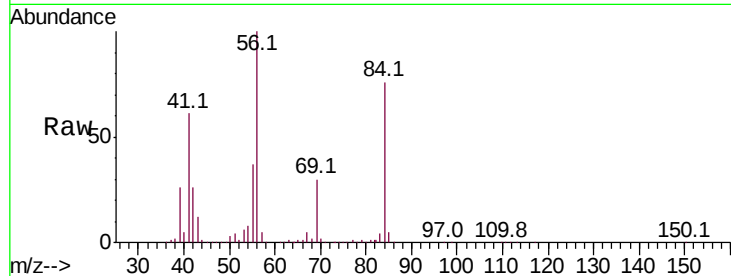
#31
Cvclohexane
Concen: 50.465 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	21.6	32.4
84	74.7	56.8	85.2

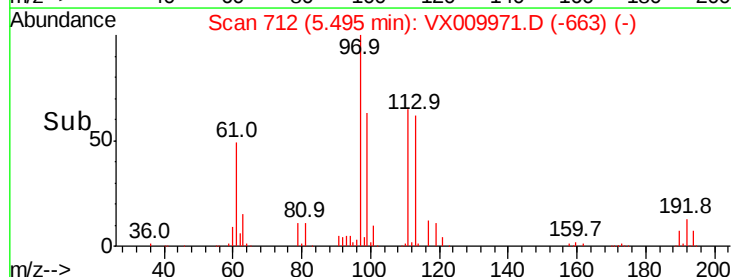
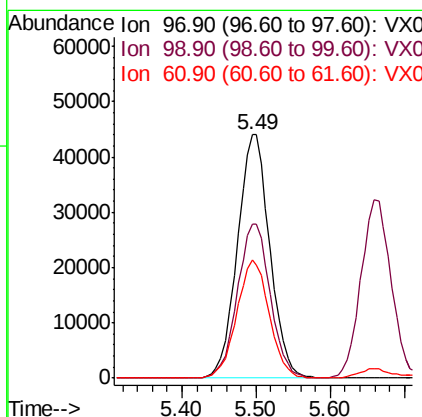
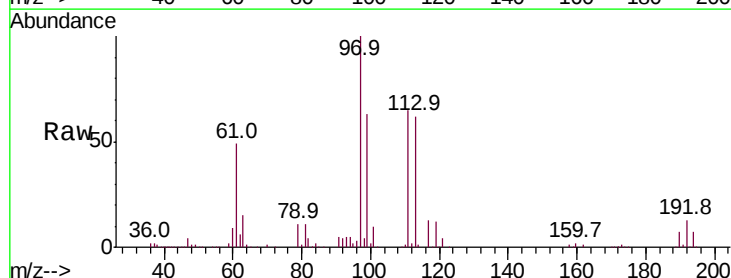
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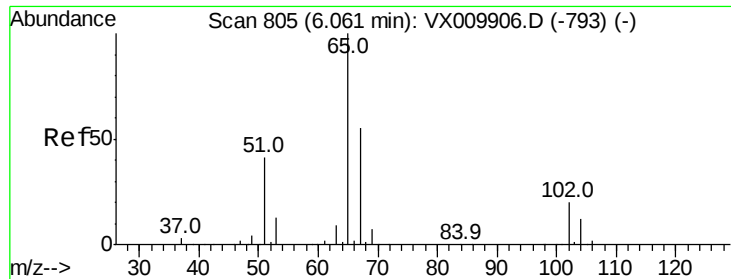
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#32
1,1,1-Trichloroethane
Concen: 49.968 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	48.8	38.7	58.1





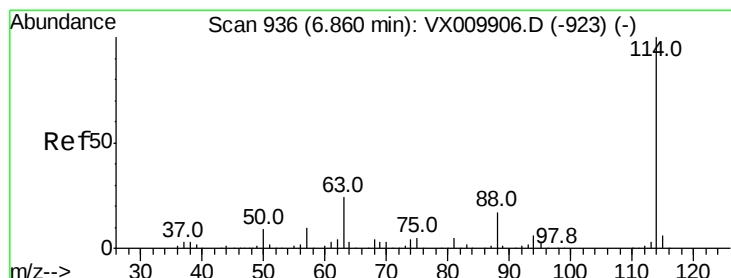
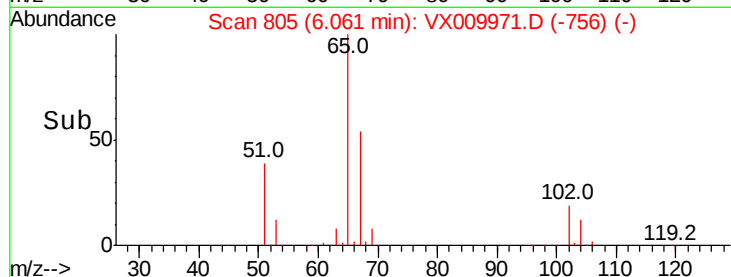
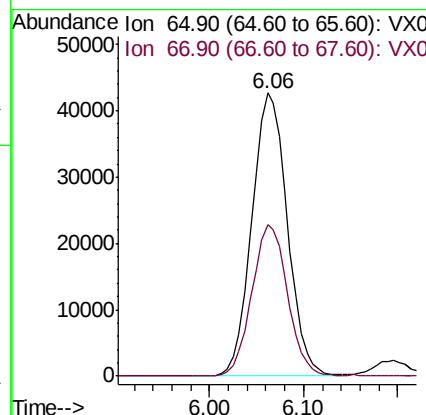
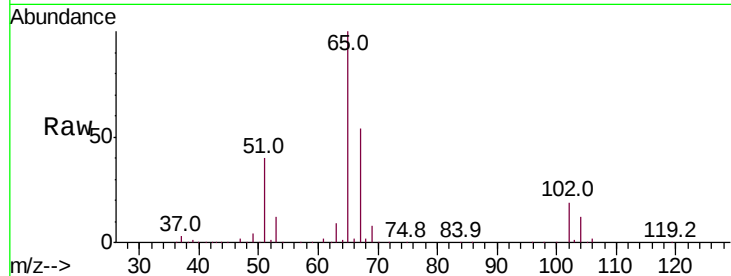
#33
 1,2-Dichloroethane-d4
 Concen: 49.399 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	108.4	

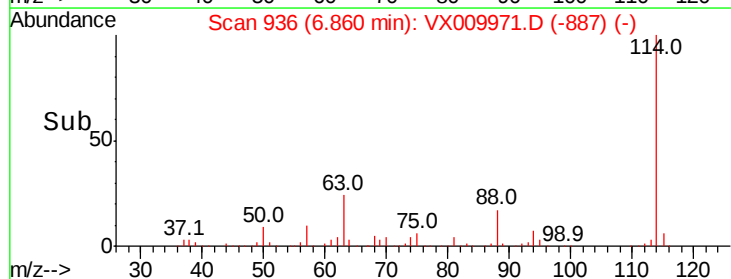
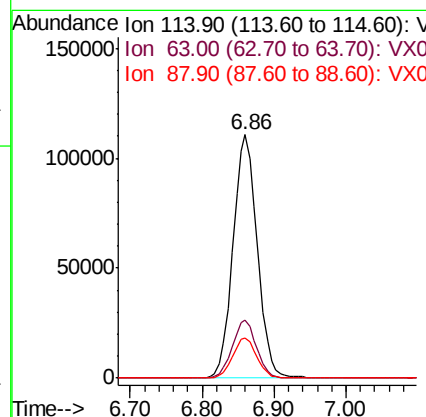
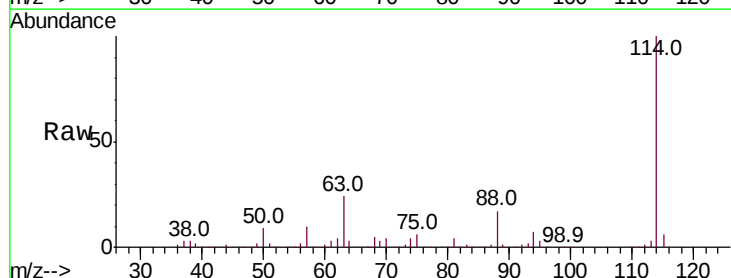
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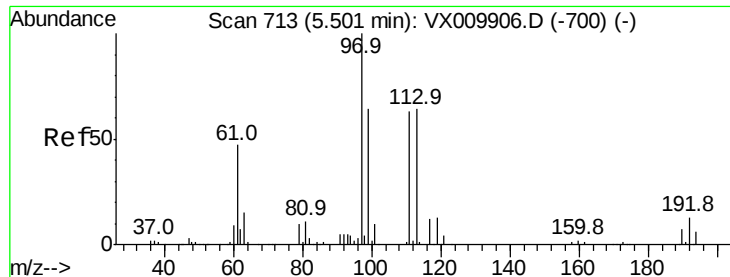
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.6	0.0	47.4	
88	16.7	0.0	33.0	





#35

Dibromofluoromethane

Concen: 49.104 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

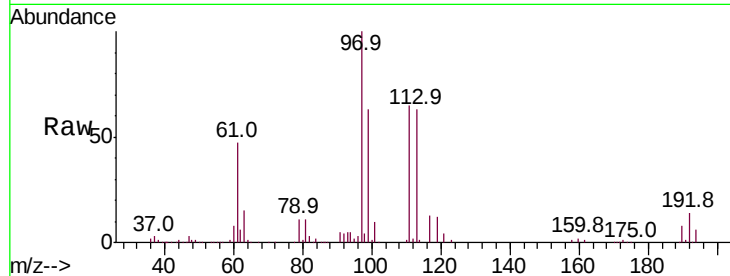
ClientSampleId :

VSTDCCC050EC

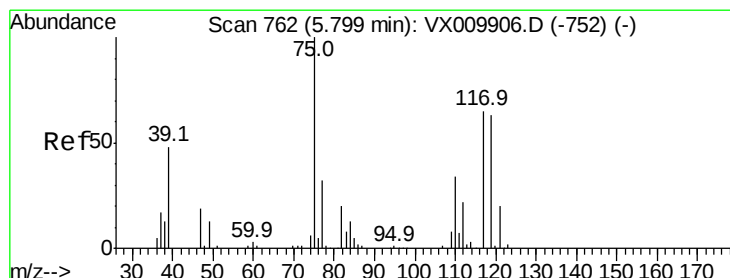
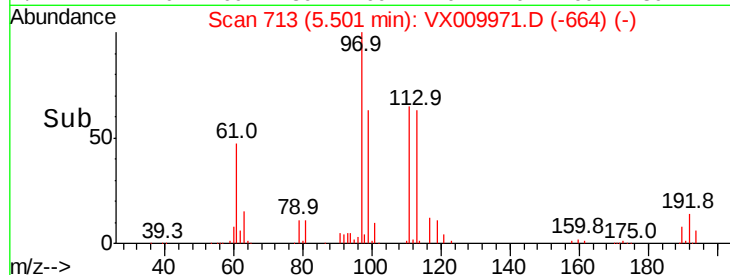
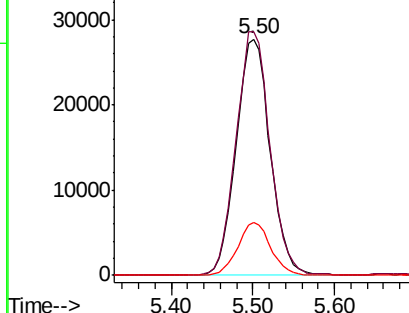
Tot Ion:	113	Resp:	80055
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	21.8	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.717 ug/l

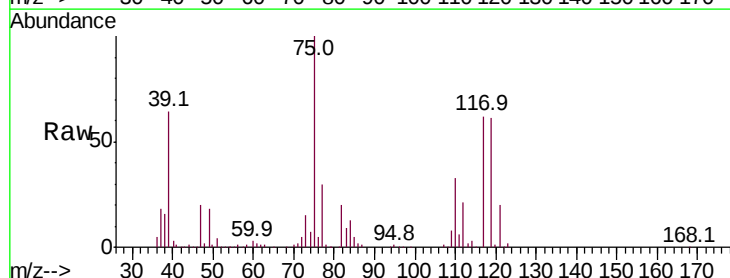
RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

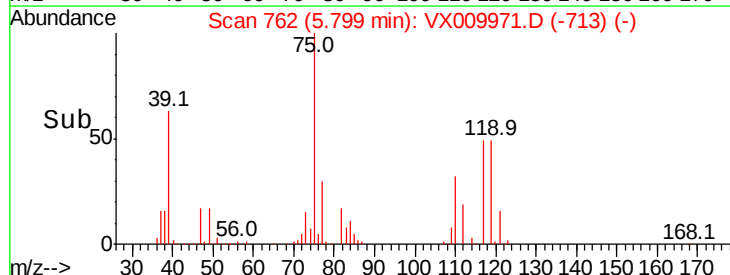
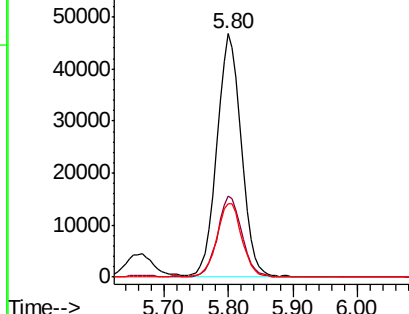
Lab File: VX009971.D

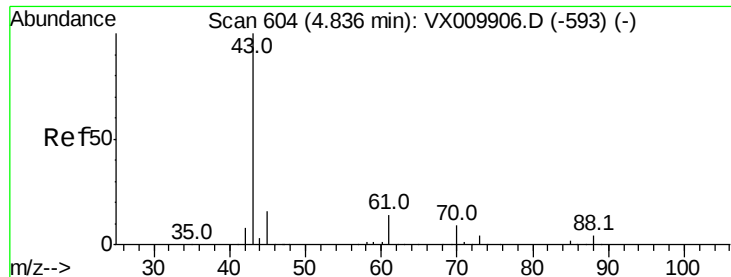
Acq: 30 May 2019 19:22

Tgt Ion:	75	Resp:	125545
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.7	50.1
77	30.9	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





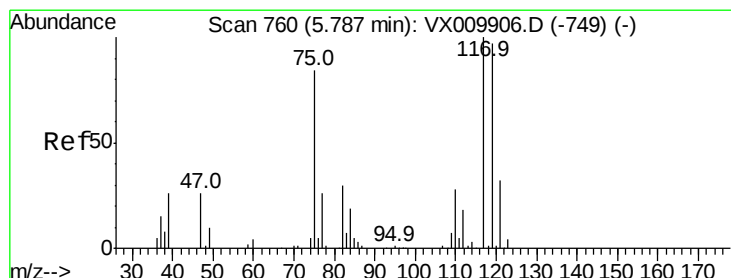
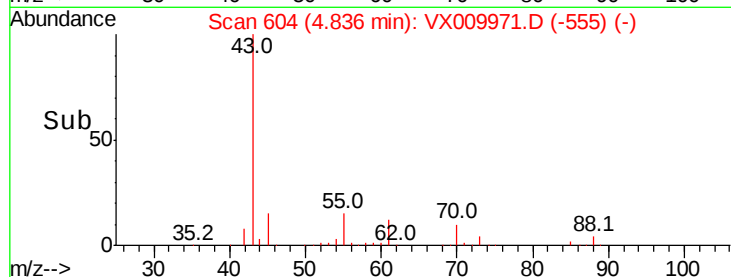
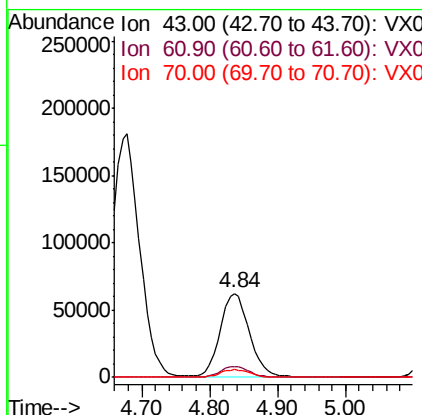
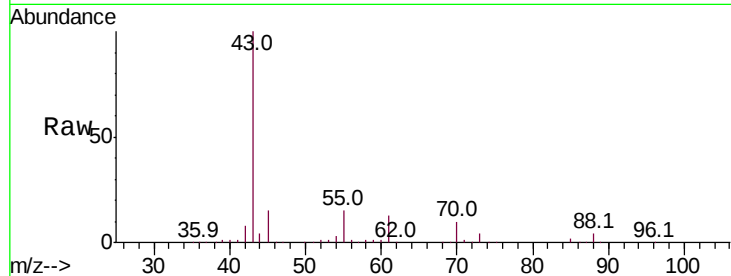
#37
Ethyl Acetate
Concen: 50.972 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.2
70	9.2	7.4	11.2

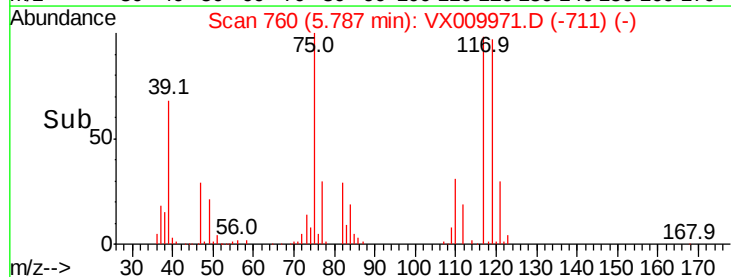
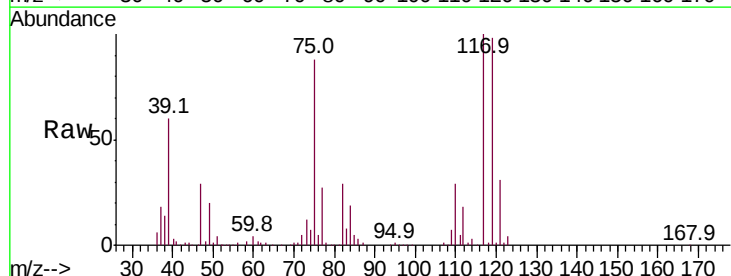
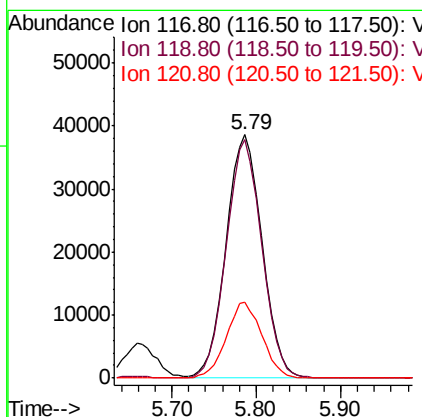
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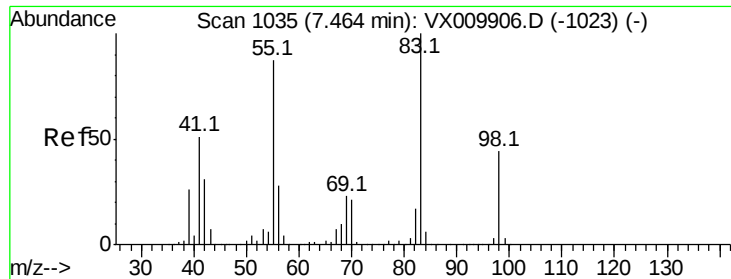
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#38
Carbon Tetrachloride
Concen: 49.366 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.3	115.9
121	31.0	25.4	38.0





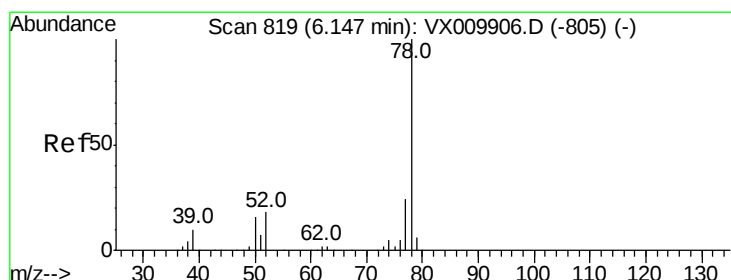
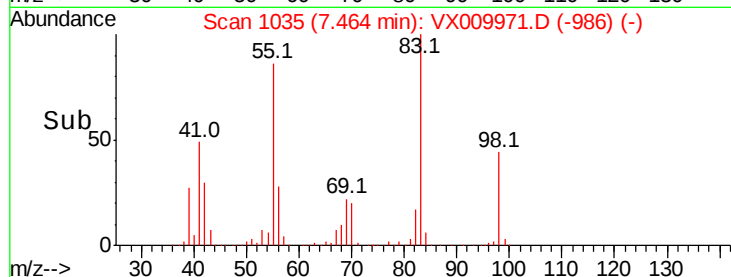
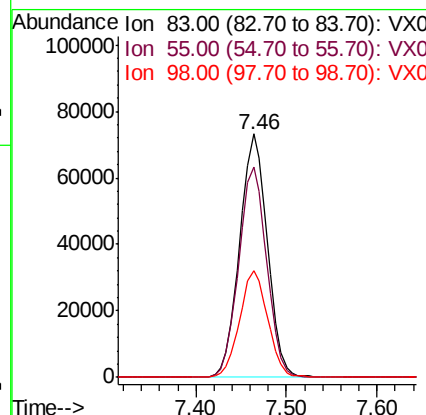
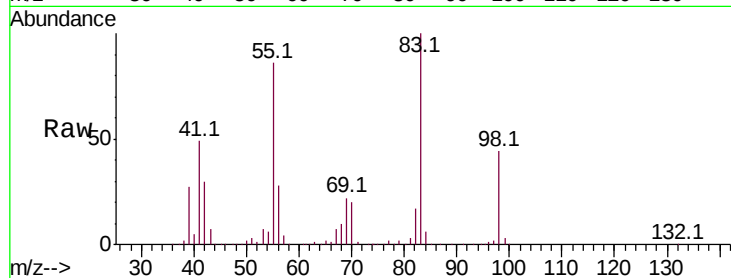
#39
Methvlcvclohexane
Concen: 49.722 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	69.9	104.9
98	43.9	35.1	52.7

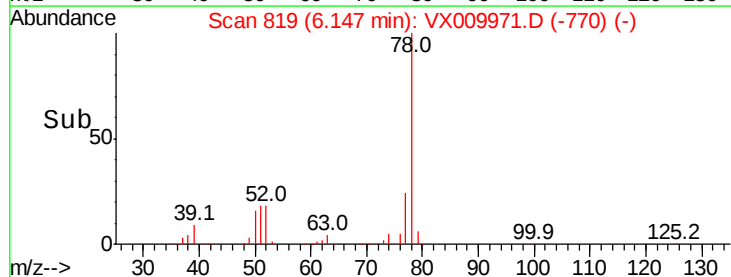
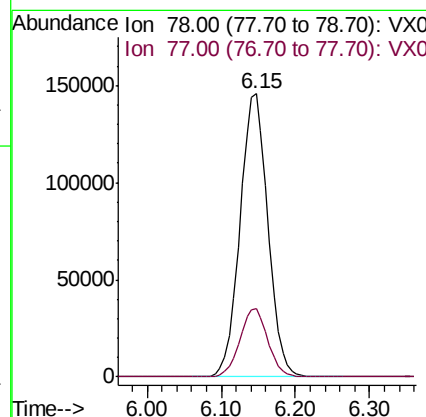
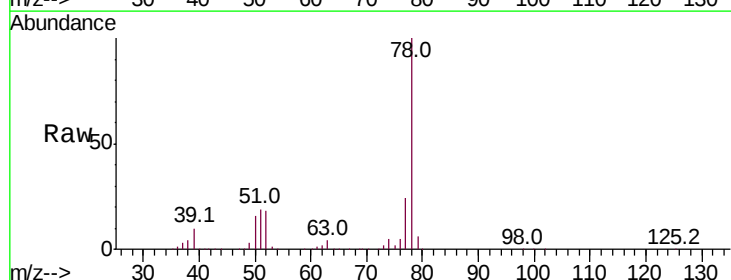
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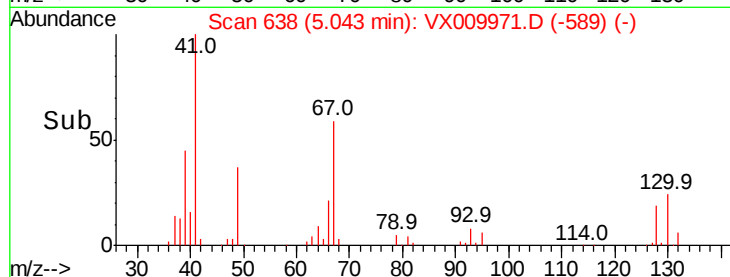
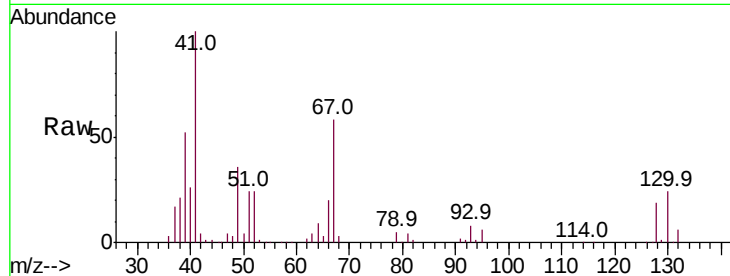
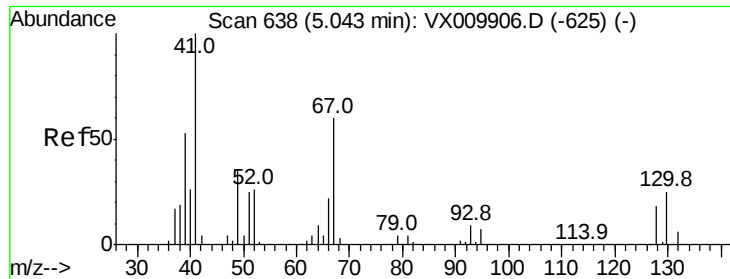
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#40
Benzene
Concen: 49.027 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





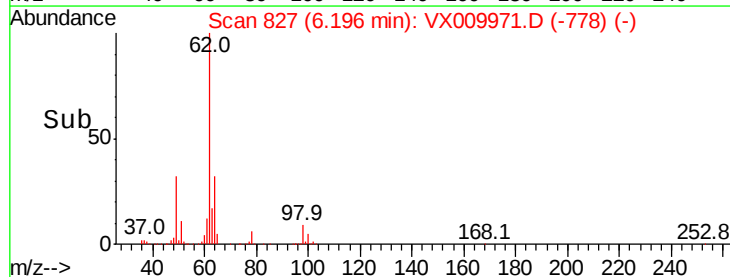
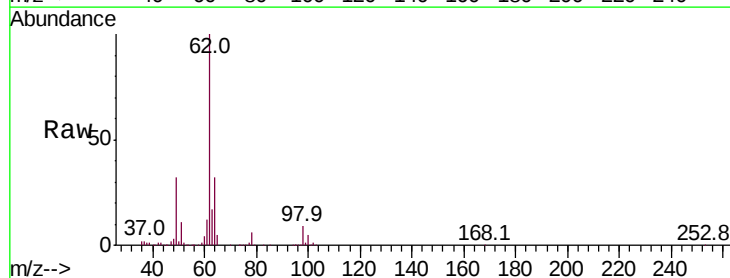
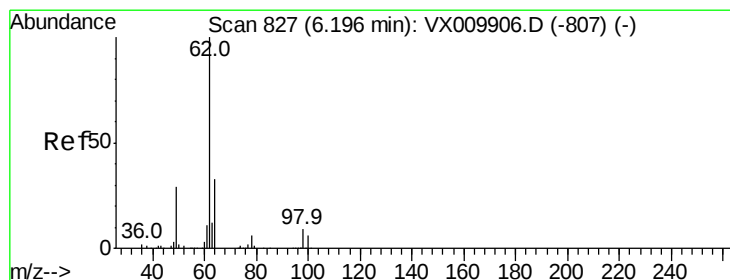
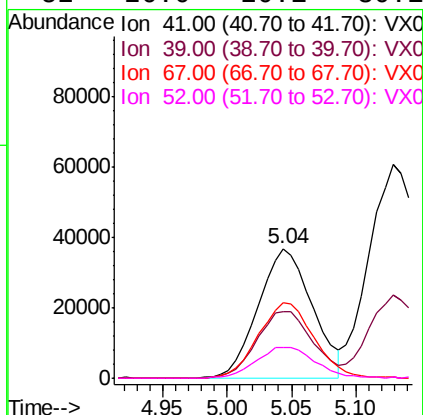
#41
Methacrylonitrile
Concen: 49.855 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.3	42.2	63.4		
67	60.5	48.9	73.3		
52	26.0	20.1	30.1		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

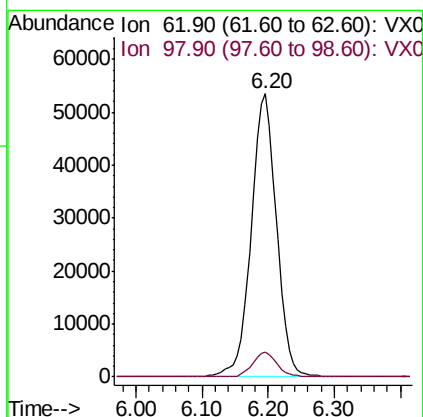
Manual Integrations
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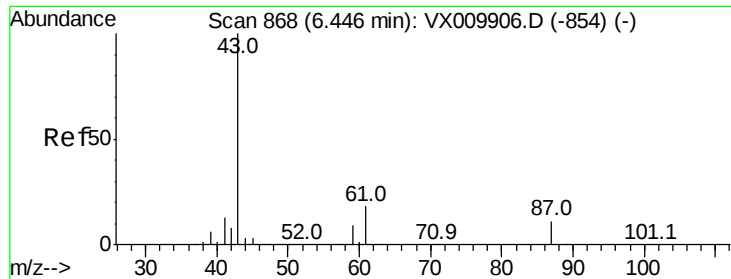
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.408 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.3	0.0	17.2		





#43

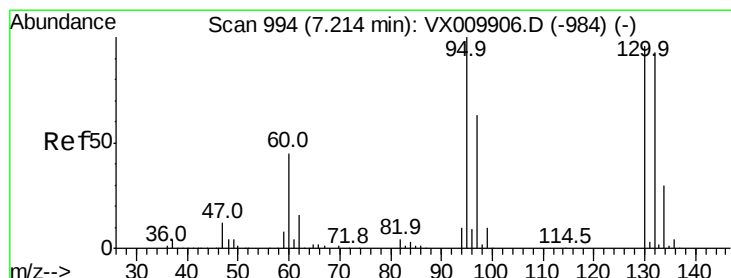
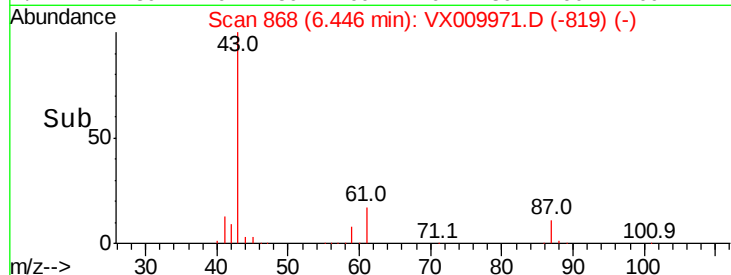
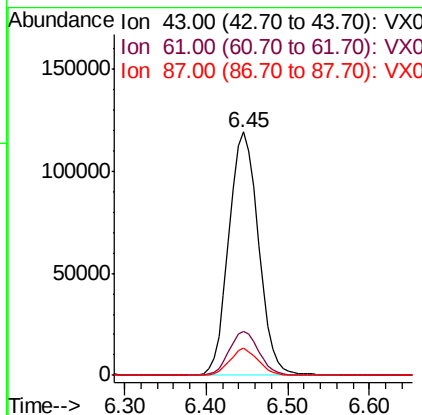
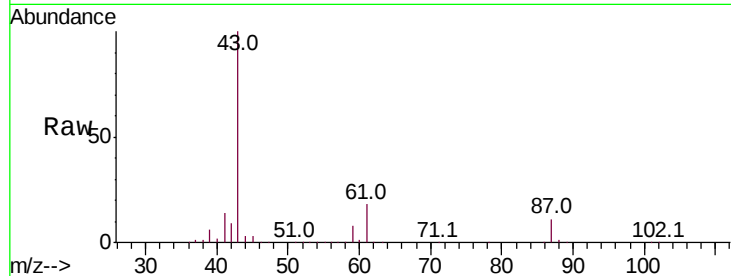
Isopropyl Acetate
 Concen: 50.574 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.6	21.8
87	10.7	8.7	13.1

Manual Integrations
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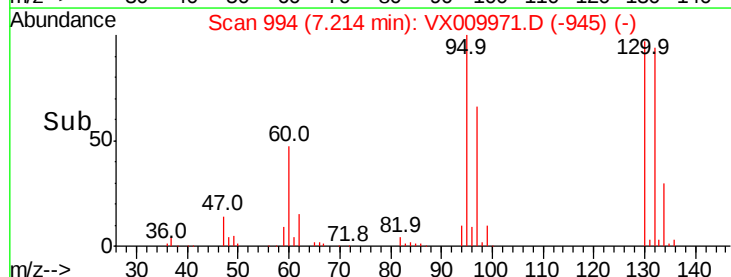
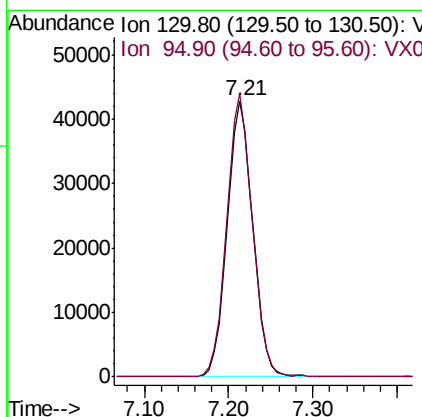
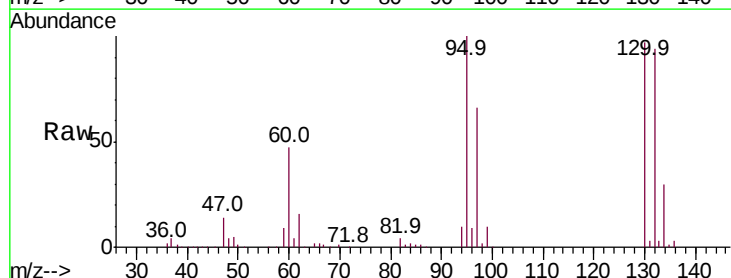
MMDadoda
 5/31/2019 9:30:42 AM

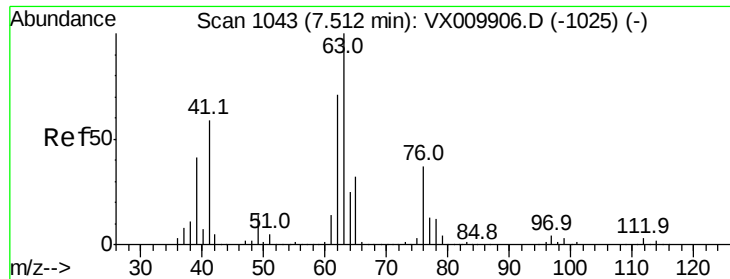


#44

Trichloroethene
 Concen: 46.873 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	207.4





#45

1,2-Dichloropropane

Concen: 48.370 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 108675

Ion Ratio Lower Upper

63 100

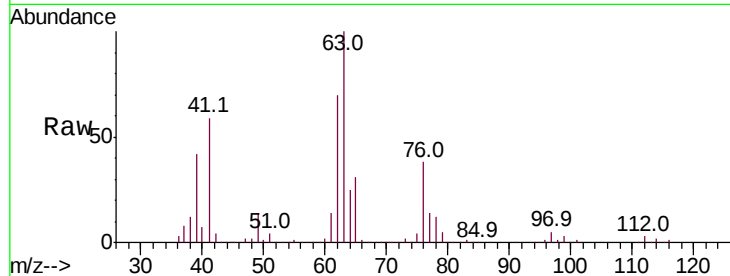
65 31.4 25.7 38.5

Manual Integrations

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MMDadoda

5/31/2019 9:30:42 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

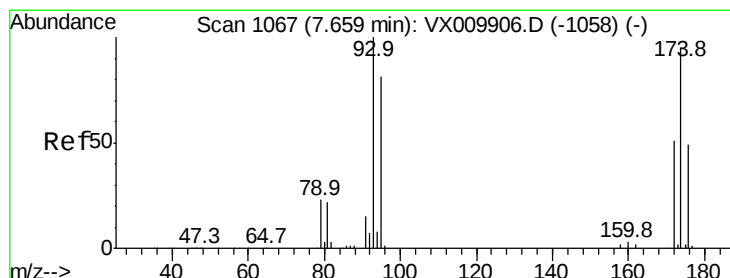
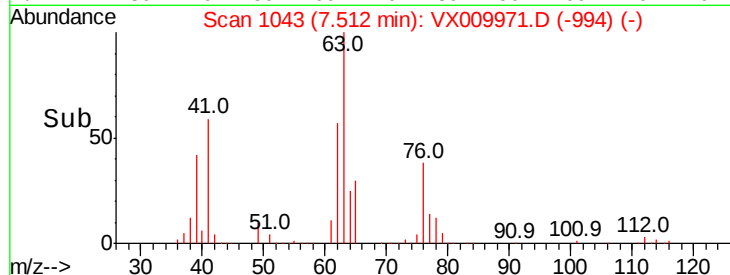
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 47.495 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

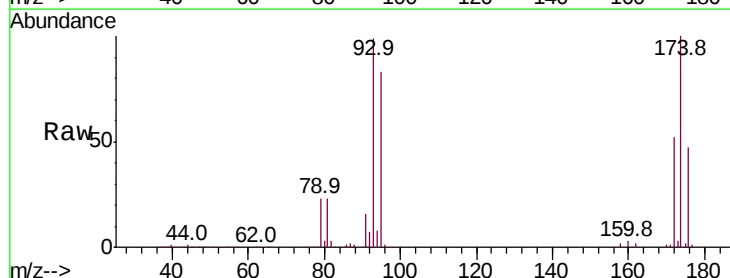
Tgt Ion: 93 Resp: 62812

Ion Ratio Lower Upper

93 100

95 82.6 66.8 100.2

174 102.0 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

40000

30000

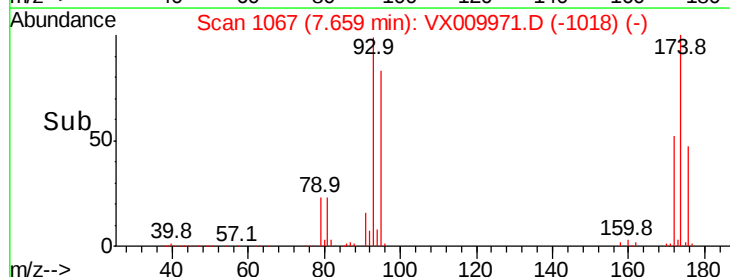
20000

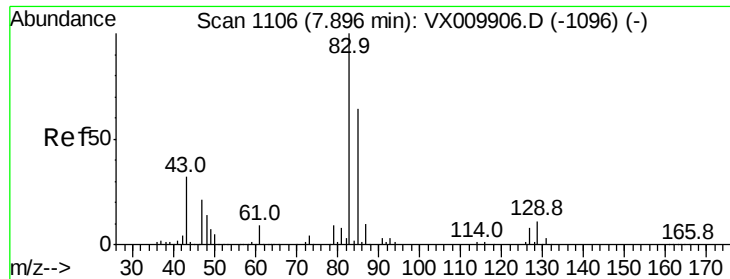
10000

0

7.55 7.60 7.65 7.70 7.75

Time-->





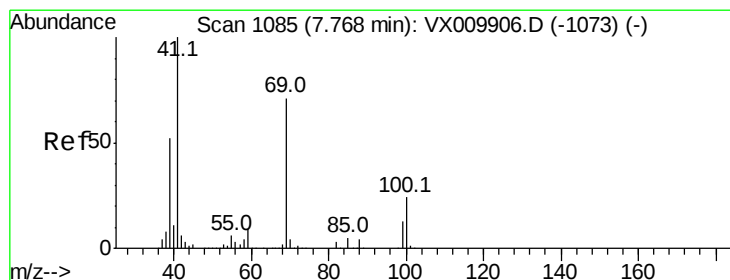
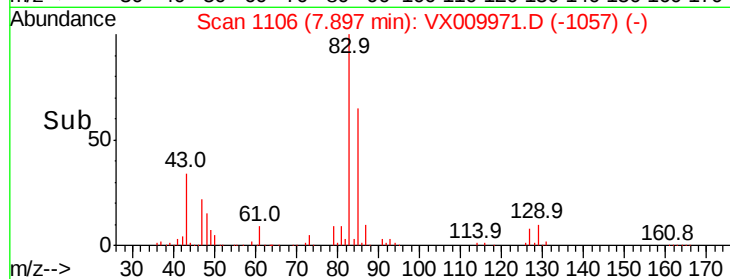
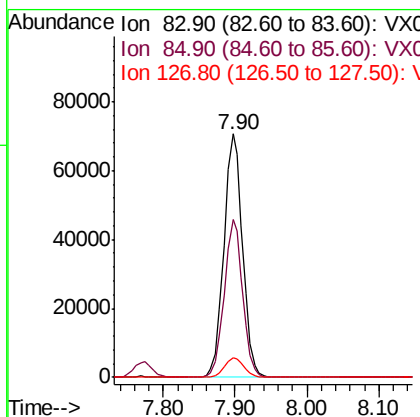
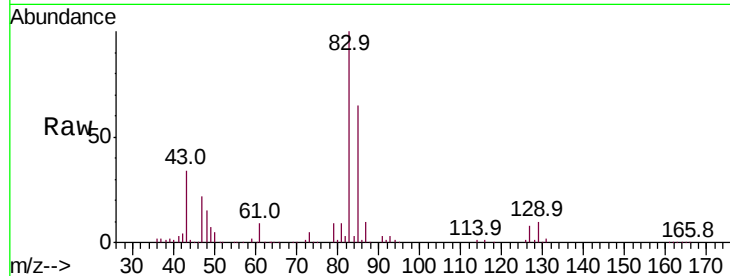
#47
Bromodichloromethane
Concen: 50.675 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2
127	7.9	6.4	9.6

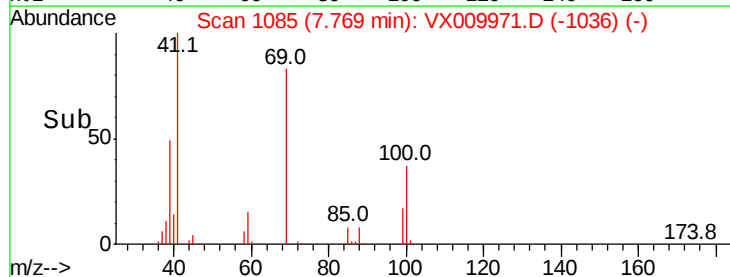
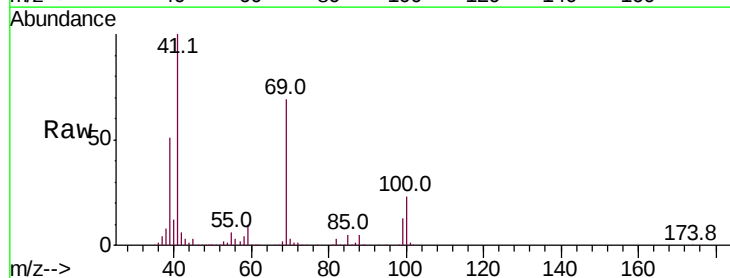
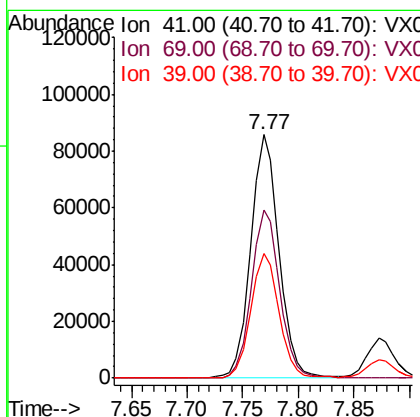
Manual Integrations
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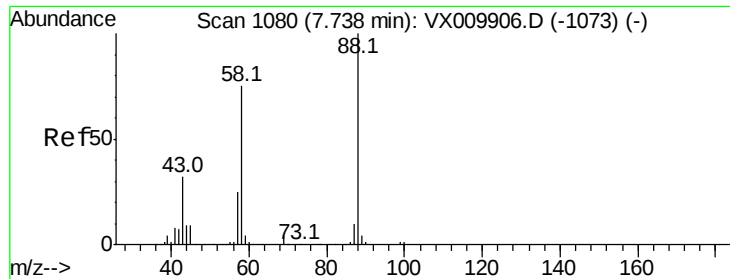
MMDadoda
5/31/2019 9:30:42 AM



#48
Methyl methacrylate
Concen: 51.567 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.0	56.4	84.6
39	51.3	40.6	60.8





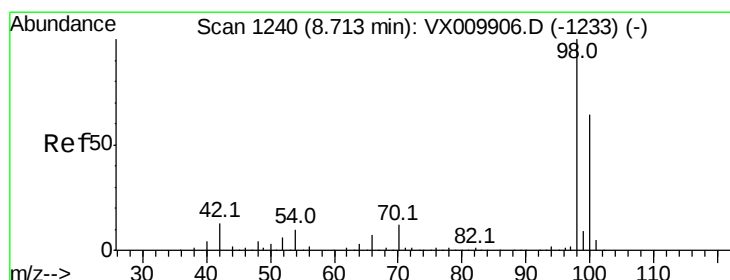
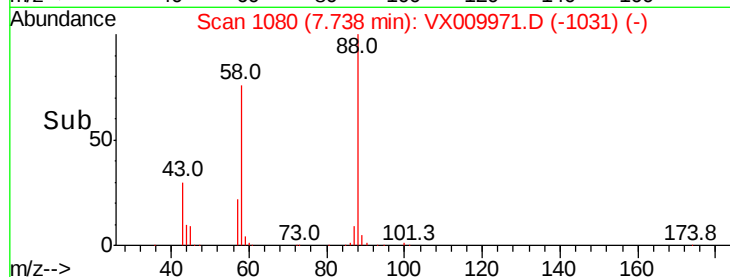
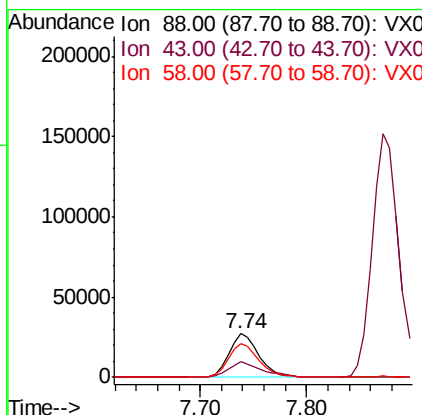
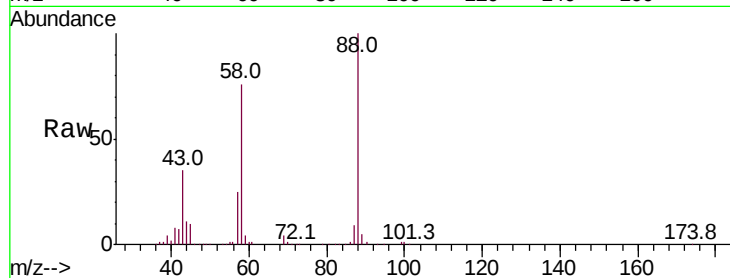
#49
1,4-Dioxane
Concen: 976.494 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	30.2	45.4
58	80.4	64.0	96.0

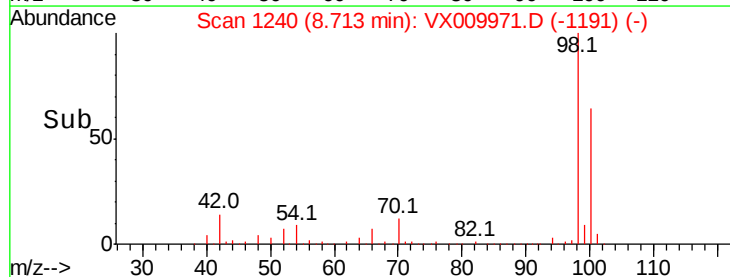
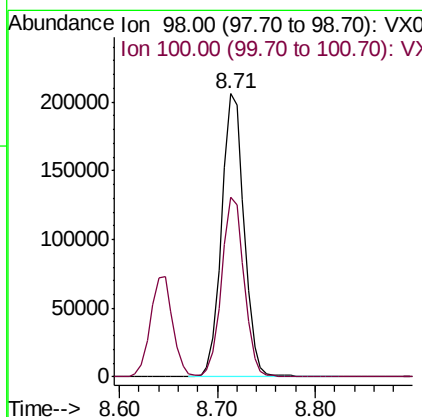
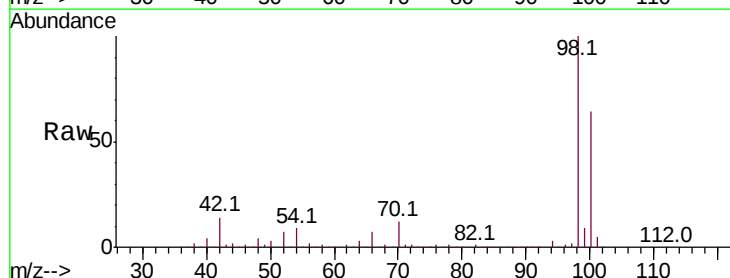
Manual Integrations
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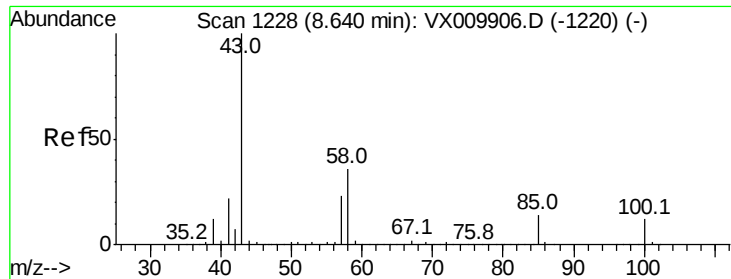
MMDadoda
5/31/2019 9:30:42 AM



#50
Toluene-d8
Concen: 49.830 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 256.443 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 986777

Ion Ratio Lower Upper

43 100

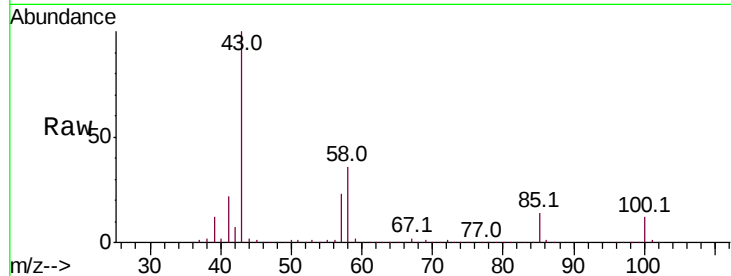
58 35.6 28.8 43.2

Manual Integrations

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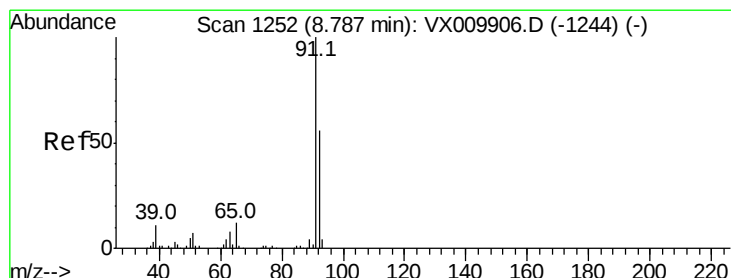
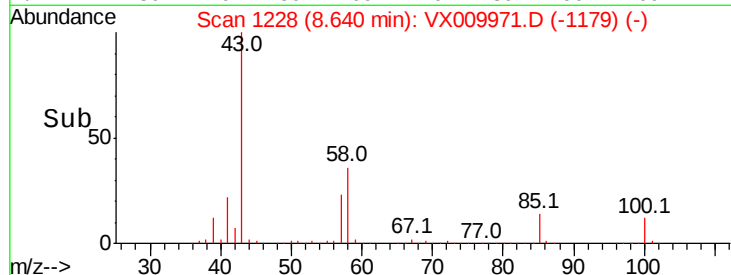
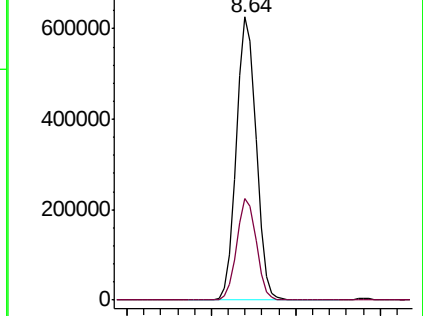
MMDadoda

5/31/2019 9:30:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.301 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009971.D

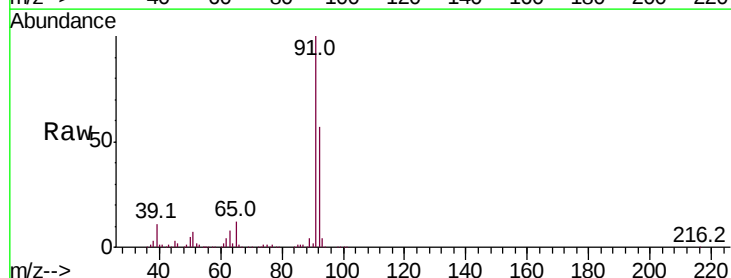
Acq: 30 May 2019 19:22

Tgt Ion: 92 Resp: 233625

Ion Ratio Lower Upper

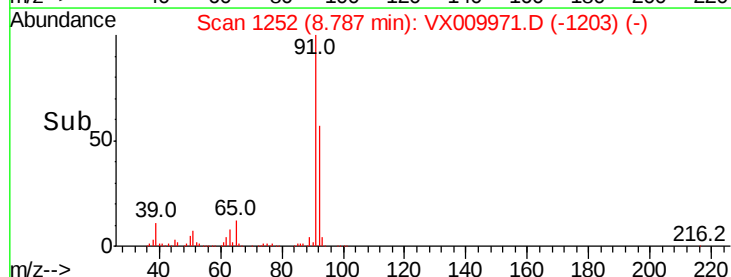
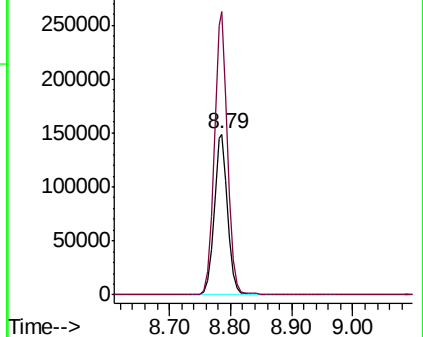
92 100

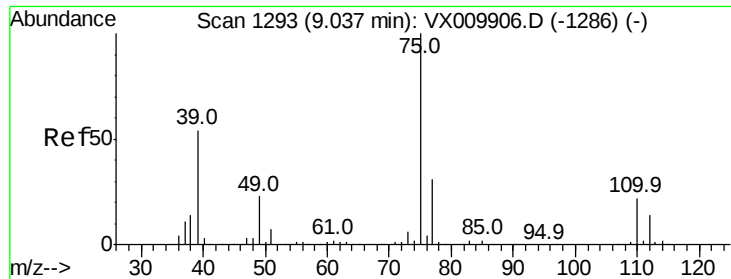
91 173.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





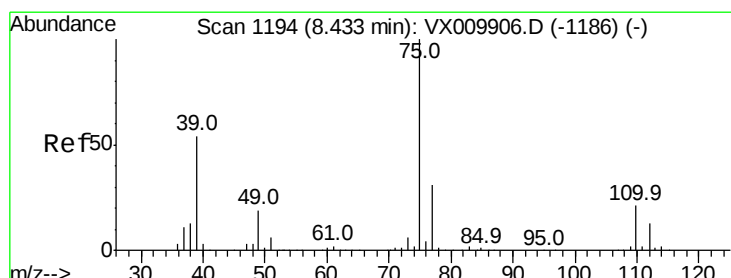
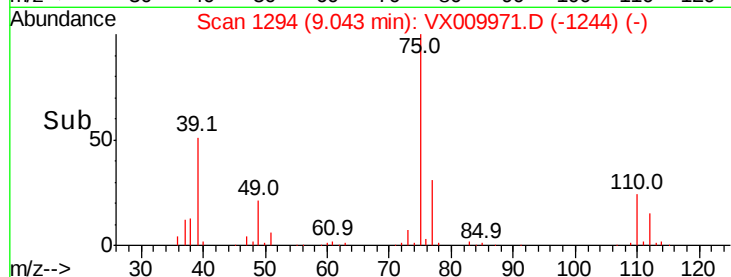
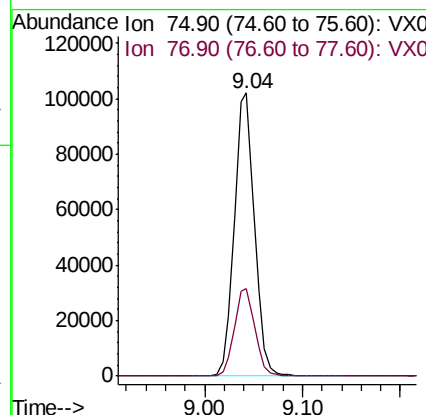
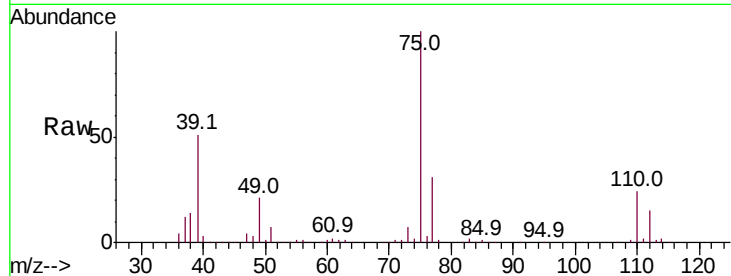
#53
 t-1,3-Dichloropropene
 Concen: 48.429 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 146066
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 36.8

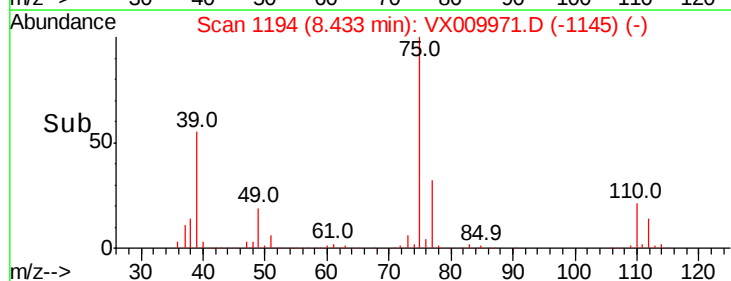
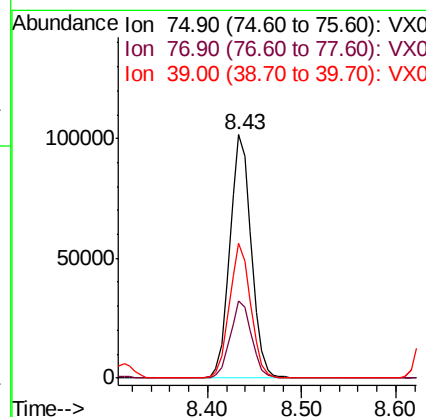
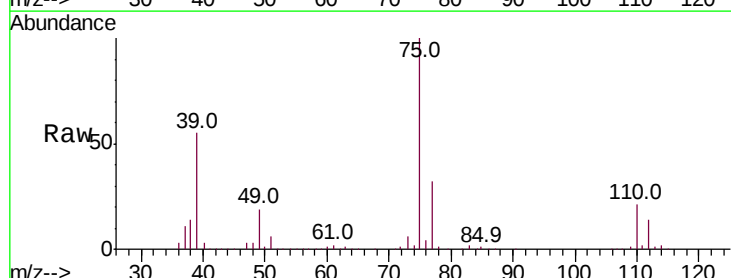
Manual Integrations
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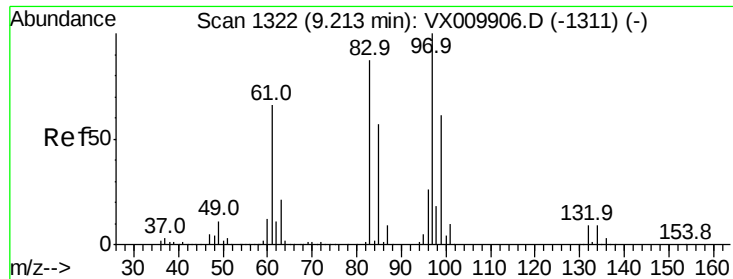
MMDadoda
 5/31/2019 9:30:42 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.627 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion: 75 Resp: 159796
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2
 39 55.4 43.4 65.0





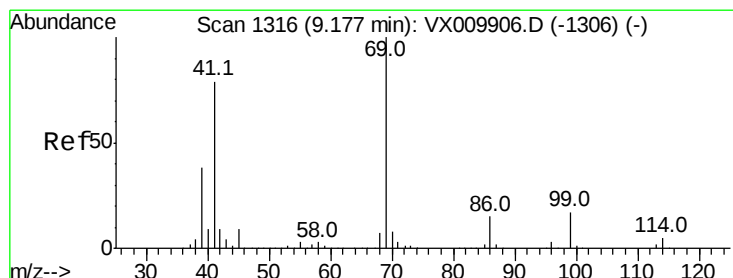
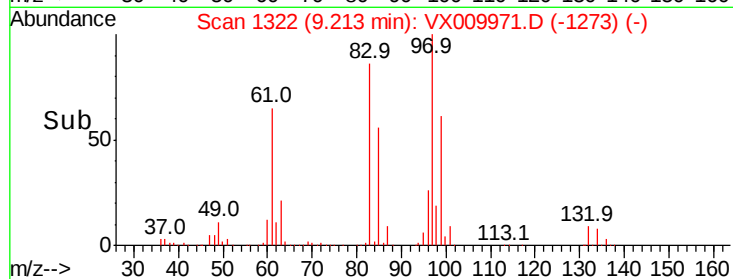
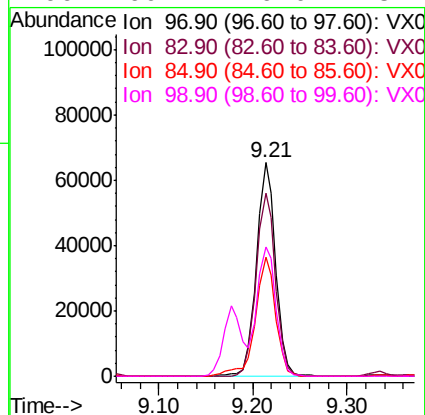
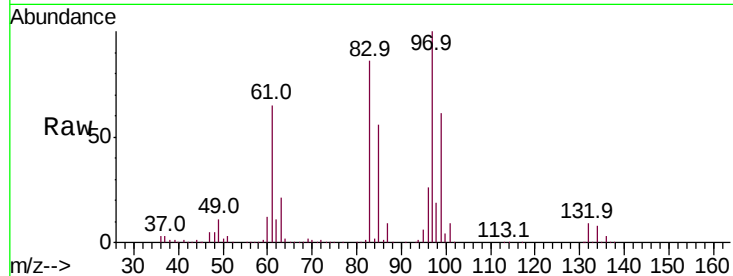
#55
 1,1,2-Trichloroethane
 Concen: 49.364 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	94152
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.8	104.8
85	55.8	45.3	67.9
99	60.7	49.0	73.4

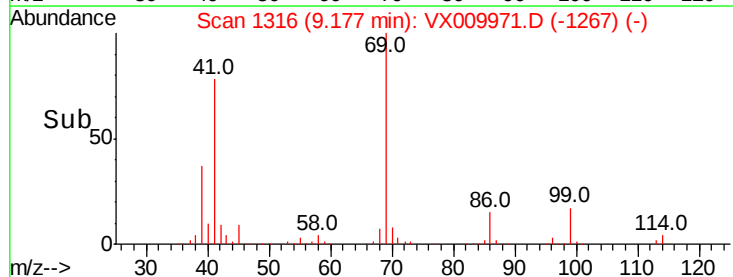
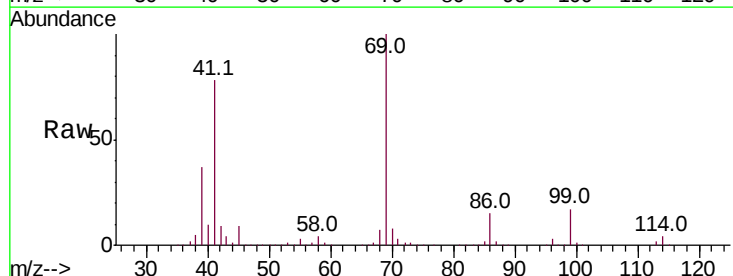
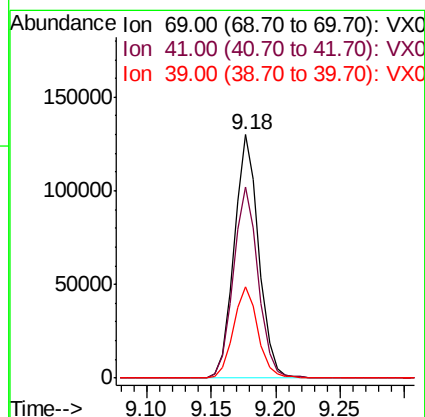
Manual Integrations
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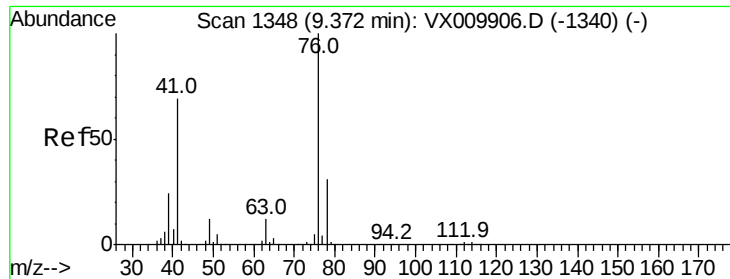
MMDadoda
 5/31/2019 9:30:42 AM



#56
 Ethyl methacrylate
 Concen: 51.150 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion:	69	Resp:	173683
Ion	Ratio	Lower	Upper
69	100		
41	78.8	62.7	94.1
39	37.3	29.5	44.3





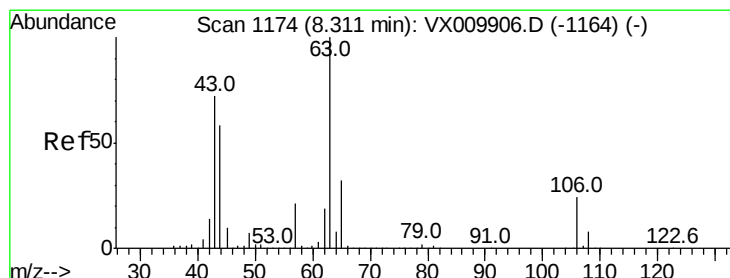
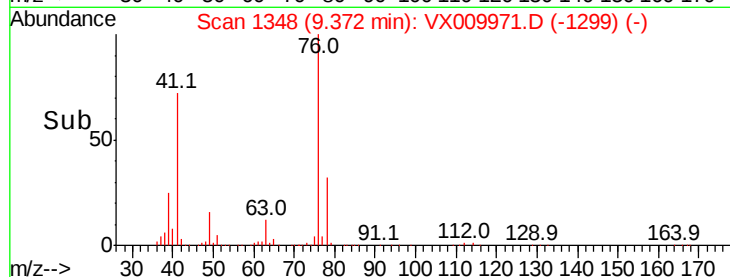
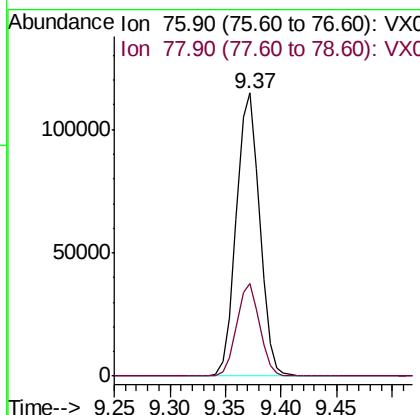
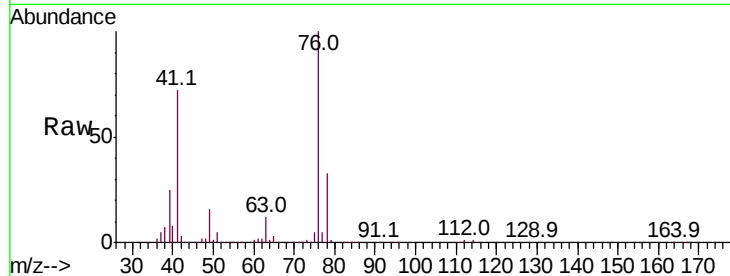
#57
 1,3-Dichloropropane
 Concen: 48.829 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

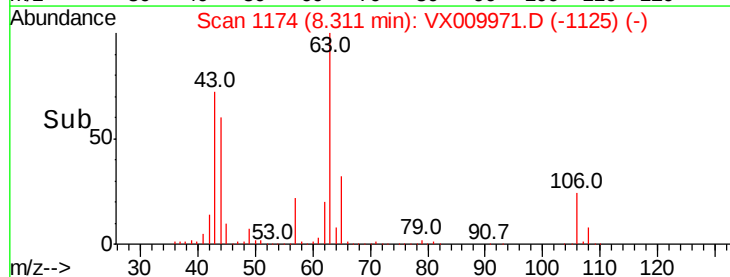
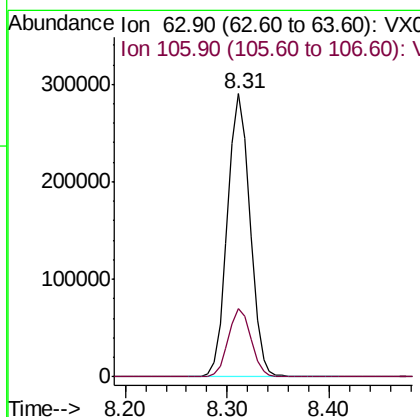
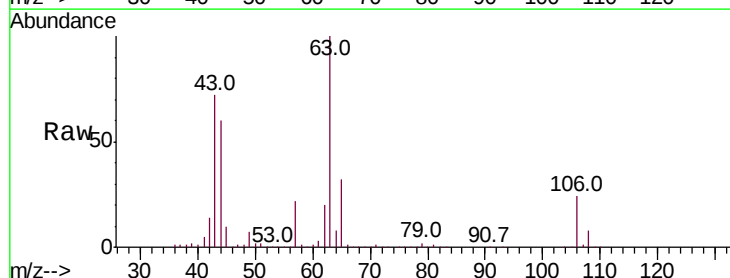
Manual Integrations
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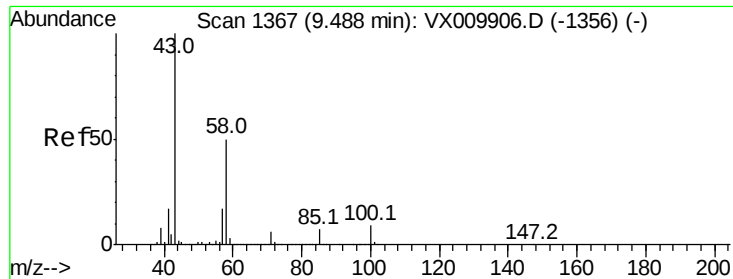
MMDadoda
 5/31/2019 9:30:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.281 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	19.4	29.2





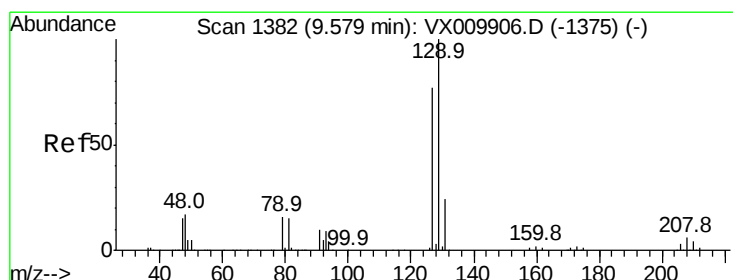
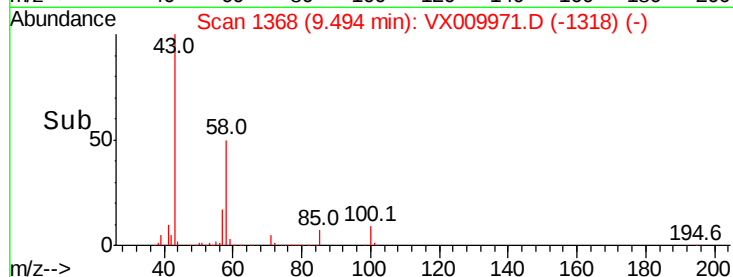
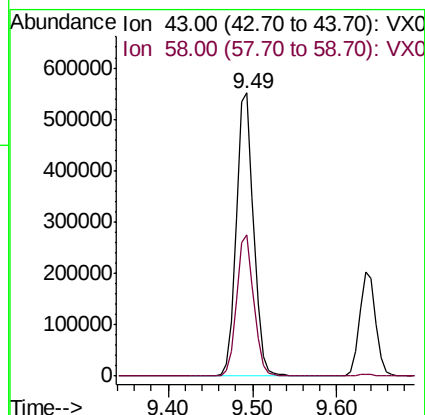
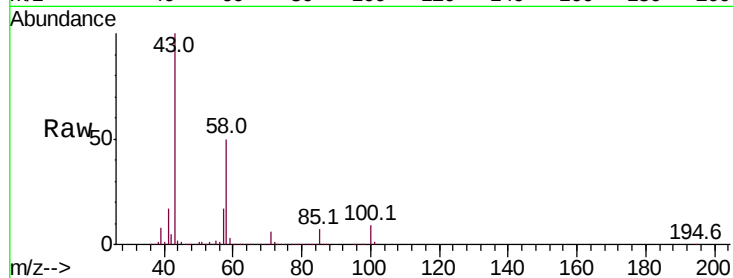
#59
2-Hexanone
Concen: 256.653 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 760347
Ion Ratio Lower Upper
43 100
58 49.6 25.1 75.3

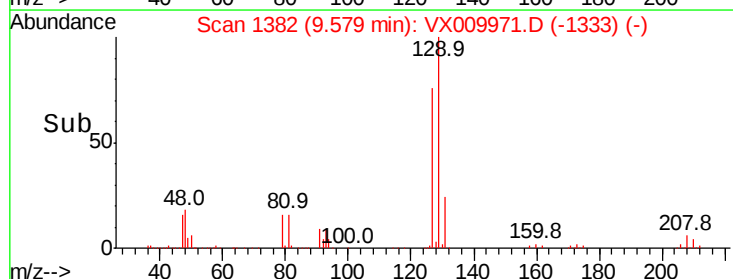
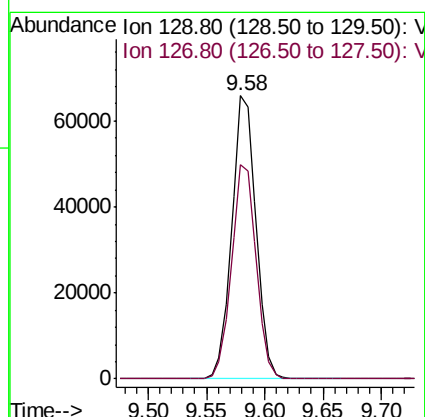
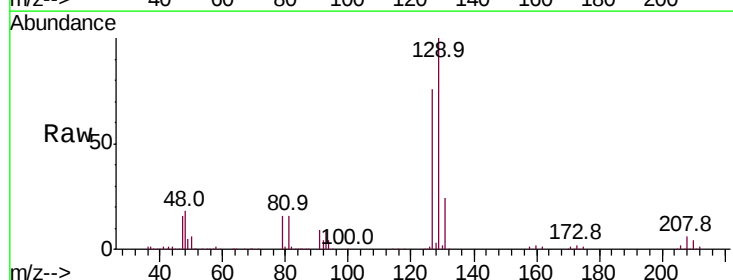
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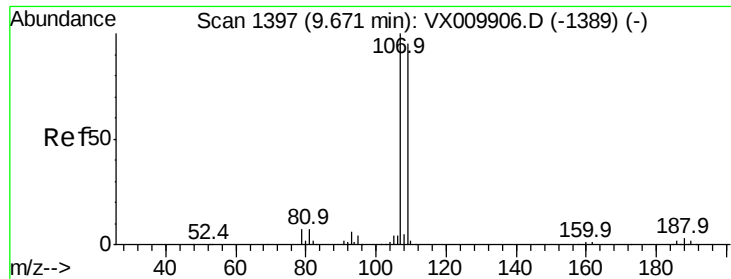
MMDadoda
5/31/2019 9:30:42 AM



#60
Dibromochloromethane
Concen: 50.879 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion: 129 Resp: 95459
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.295 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 96592

Ion Ratio Lower Upper

107 100

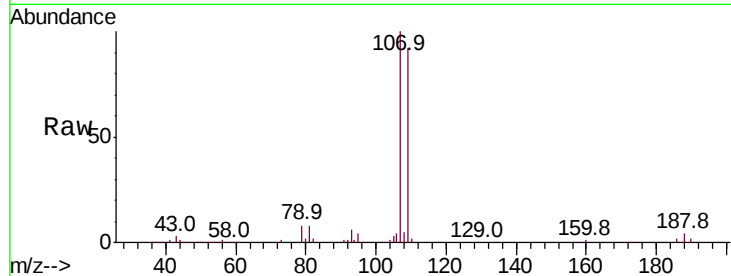
109 94.2 75.4 113.2

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5/31/2019 9:30:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

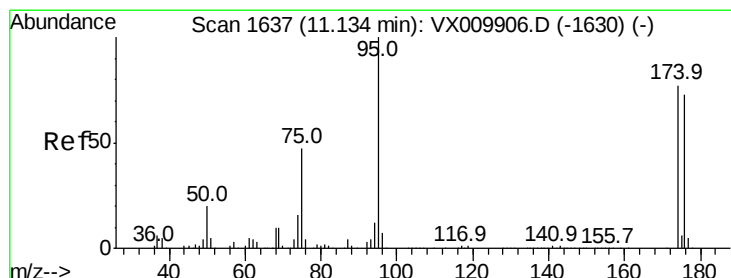
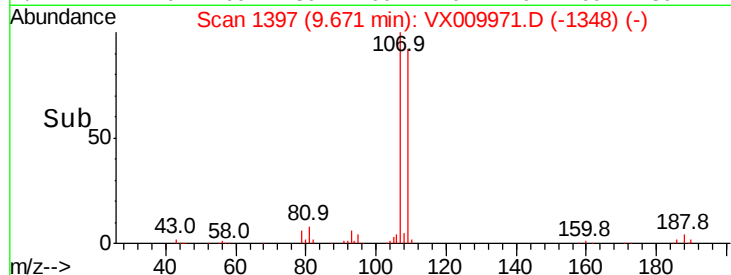
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 49.912 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

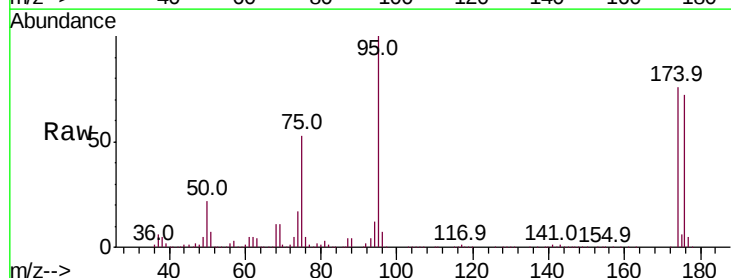
Tgt Ion: 95 Resp: 118686

Ion Ratio Lower Upper

95 100

174 81.3 0.0 160.4

176 78.8 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

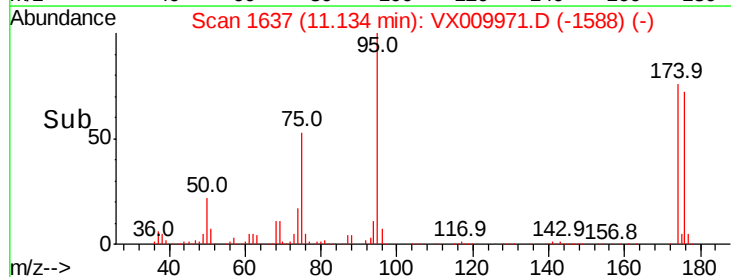
40000

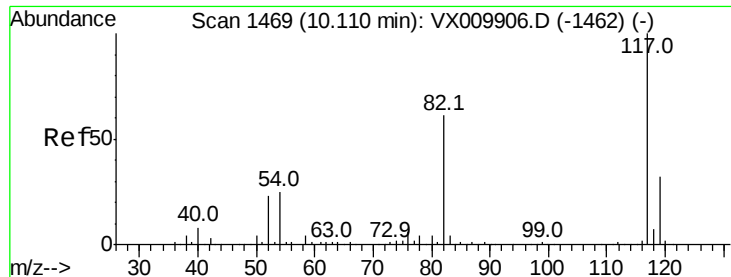
20000

0

Time-->

11.10 11.20





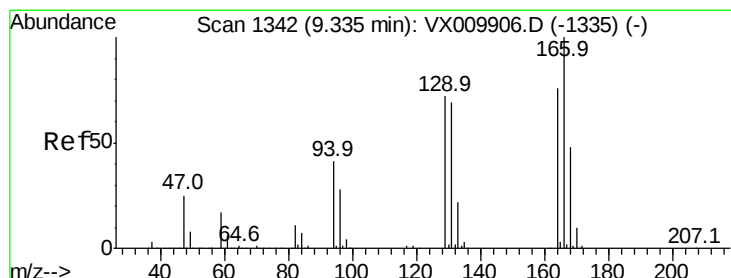
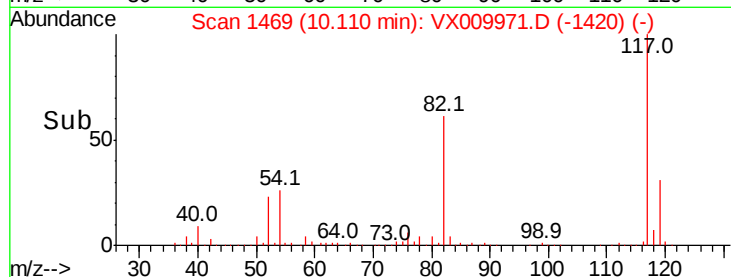
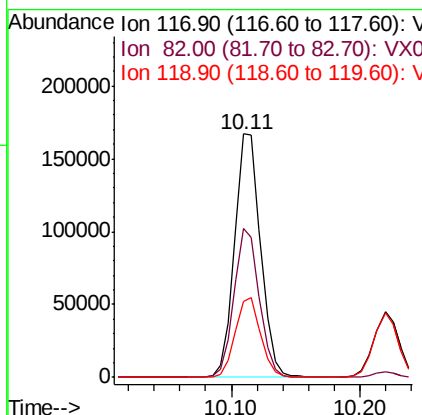
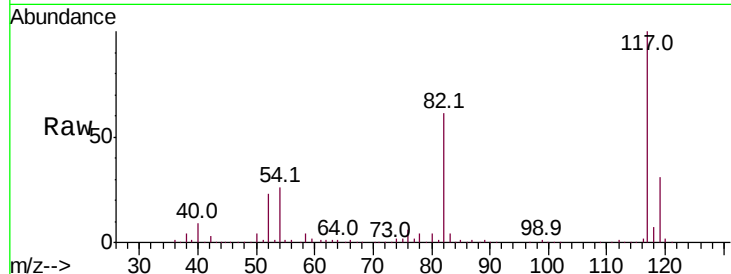
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.2	73.8
119	31.3	25.2	37.8

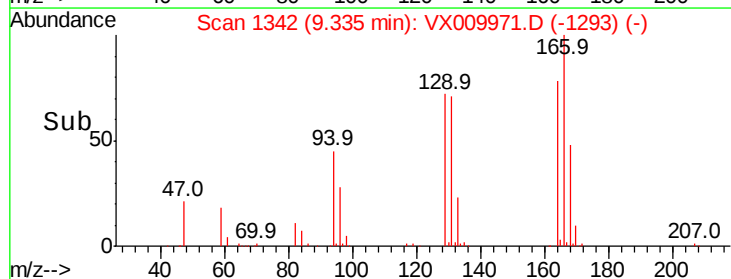
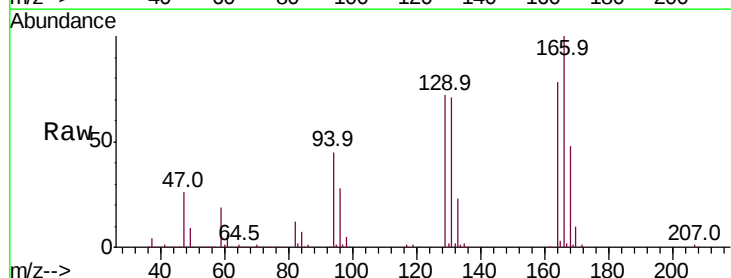
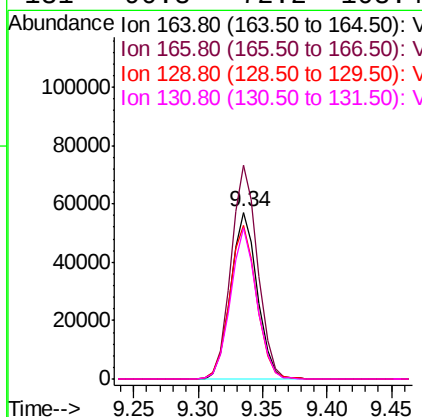
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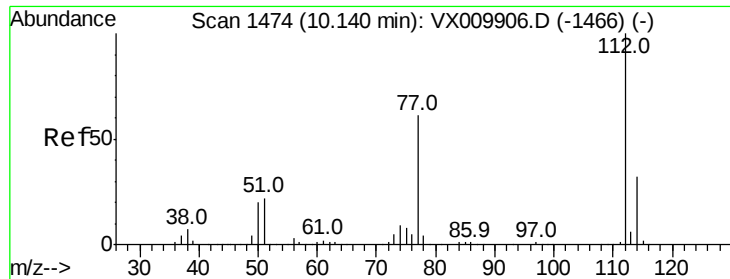
MMDadoda
5/31/2019 9:30:42 AM



#64
Tetrachloroethene
Concen: 50.058 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	105.0	157.4
129	92.3	75.1	112.7
131	90.8	72.2	108.4





#65

Chlorobenzene

Concen: 48.693 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 240069

Ion Ratio Lower Upper

112 100

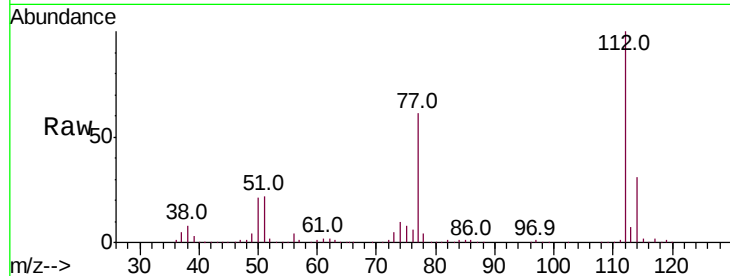
114 31.4 25.8 38.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

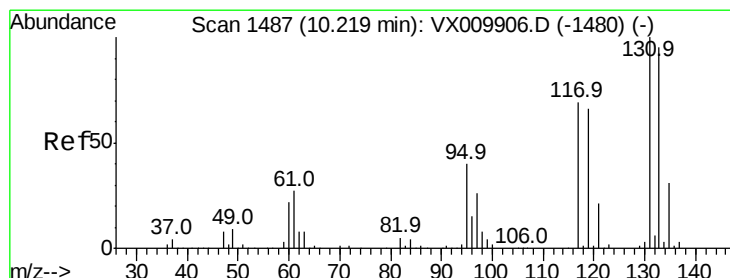
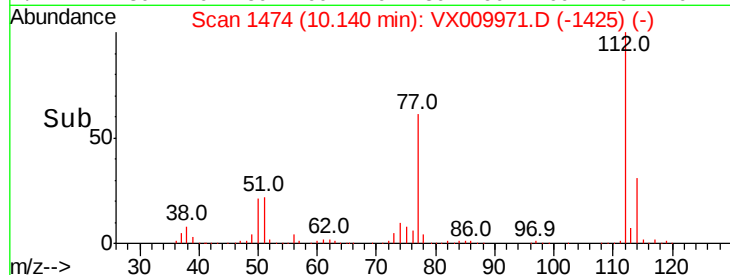
100000

50000

0

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.534 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

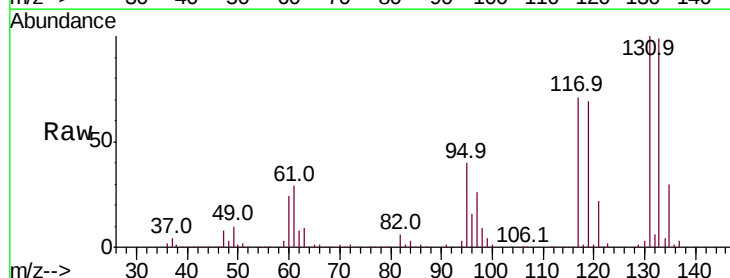
Tgt Ion:131 Resp: 86413

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.6

119 66.7 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

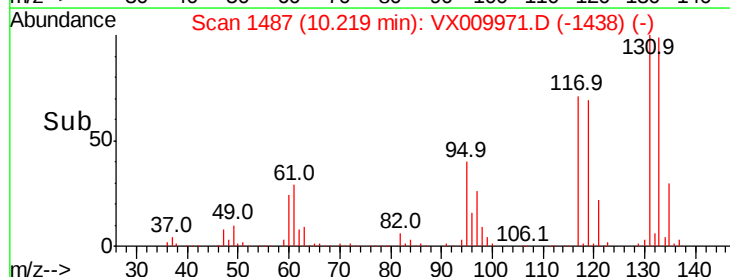
40000

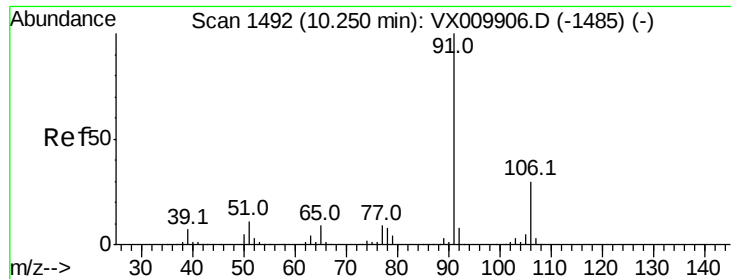
20000

0

10.20 10.30

Time-->





#67

Ethyl Benzene

Concen: 50.309 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 445353

Ion Ratio Lower Upper

91 100

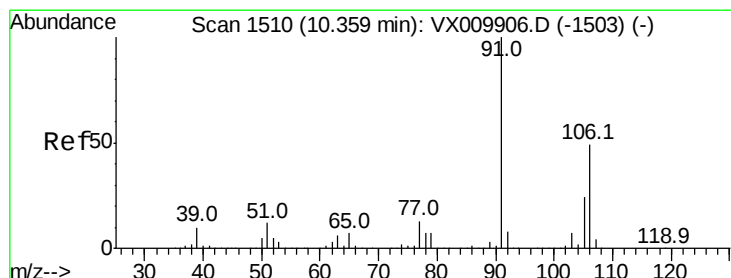
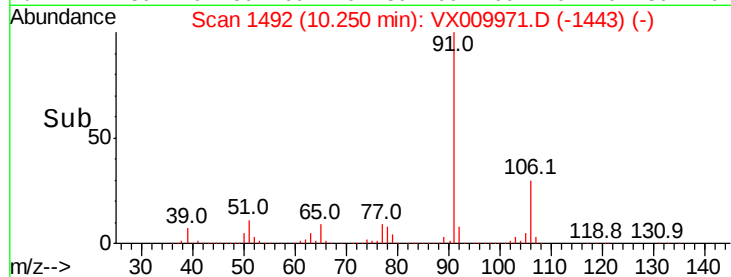
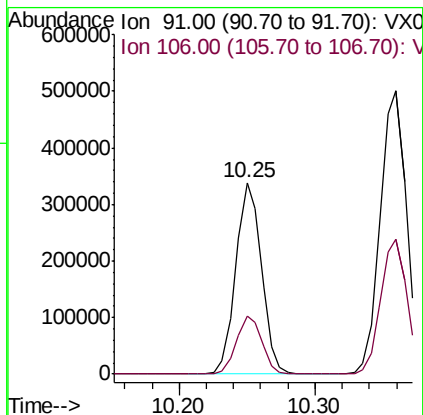
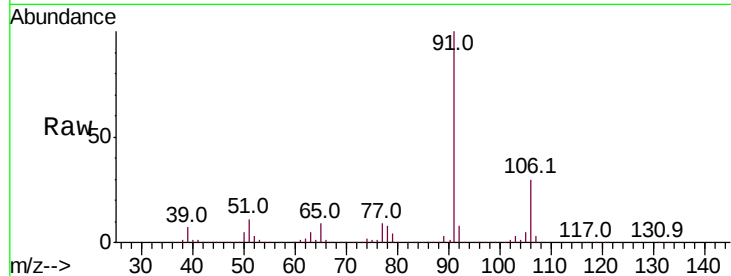
106 30.1 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.641 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009971.D

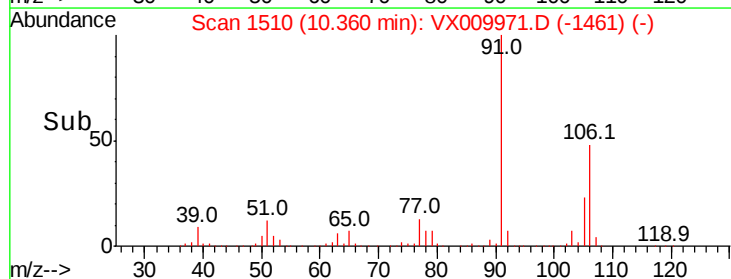
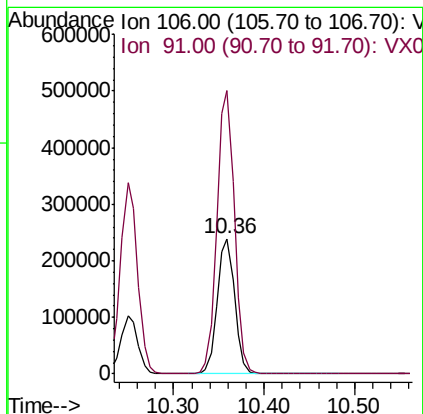
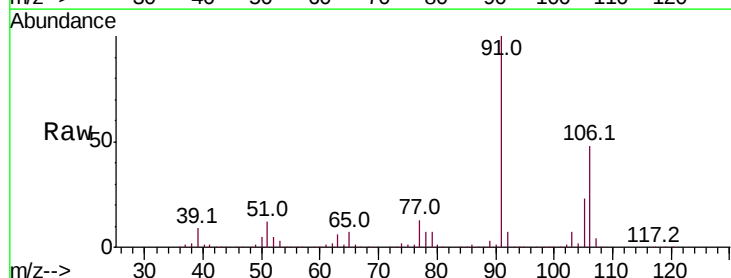
Acq: 30 May 2019 19:22

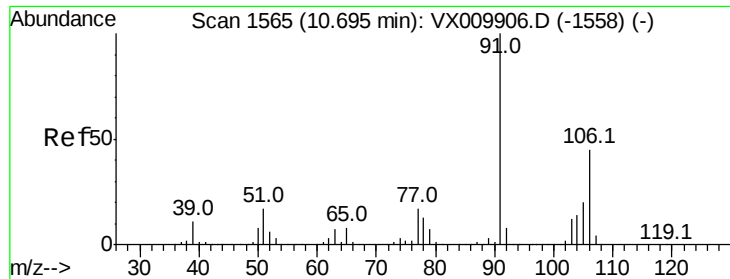
Tgt Ion: 106 Resp: 322591

Ion Ratio Lower Upper

106 100

91 210.0 167.3 250.9





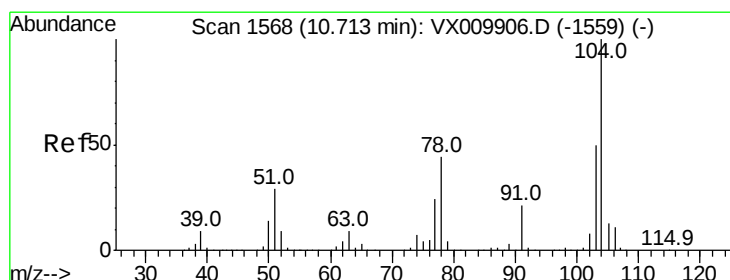
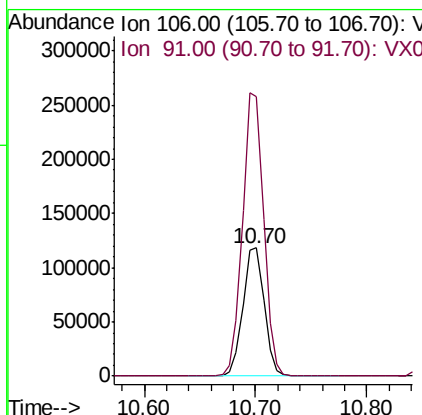
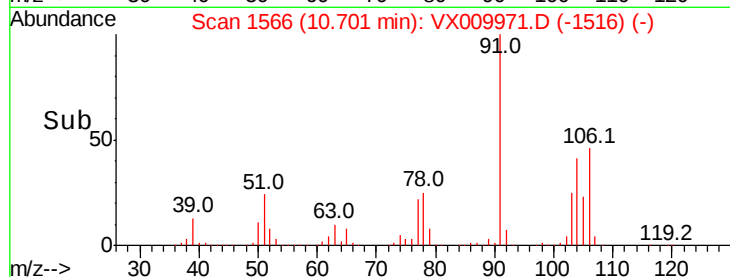
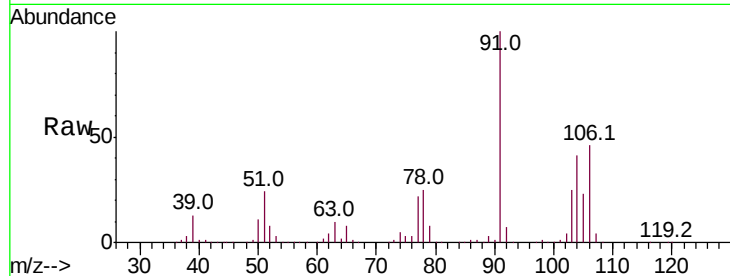
#69
o-Xylene
Concen: 50.201 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 157452
Ion Ratio Lower Upper
106 100
91 219.1 110.4 331.2

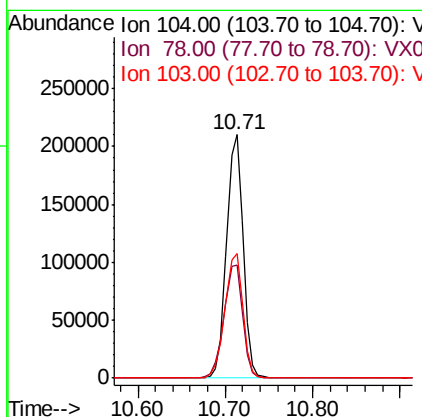
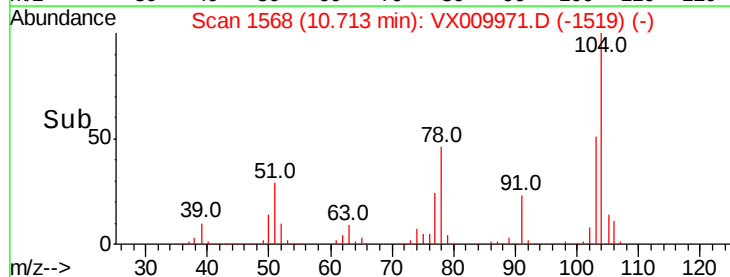
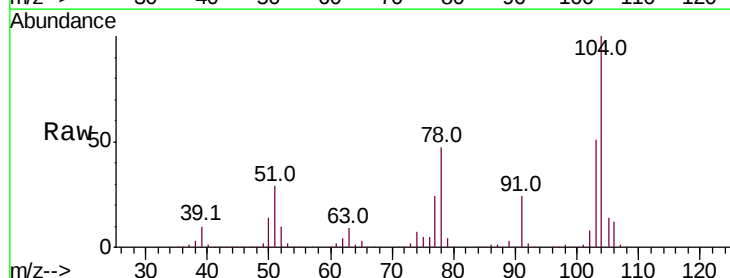
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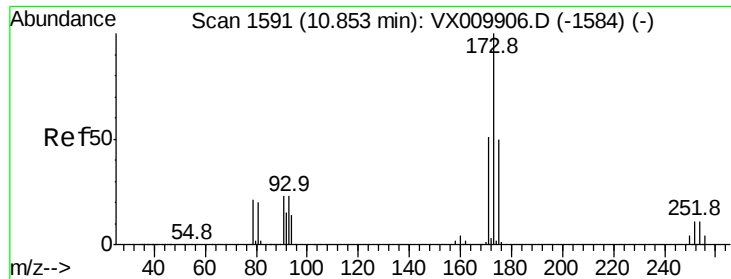
MMDadoda
5/31/2019 9:30:42 AM



#70
Styrene
Concen: 50.179 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion:104 Resp: 275973
Ion Ratio Lower Upper
104 100
78 52.5 42.1 63.1
103 55.6 44.1 66.1





#71

Bromoform

Concen: 52.004 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 72690

Ion Ratio Lower Upper

173 100

175 49.8 25.0 75.0

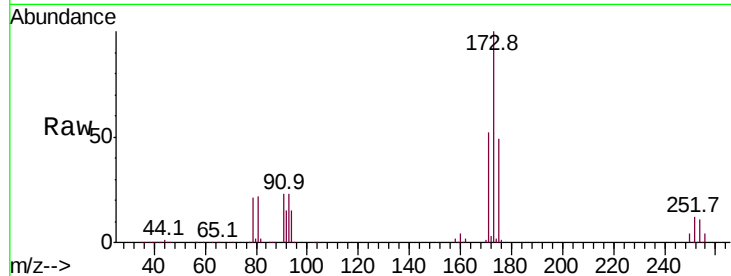
254 0.2 0.2 0.2

Manual Integrations

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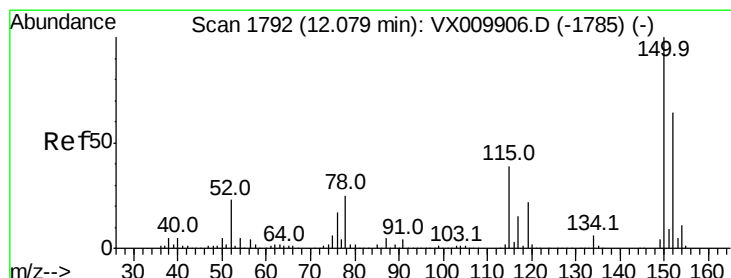
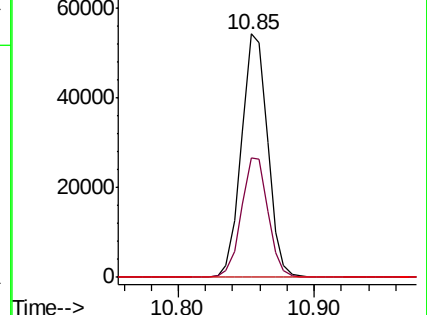
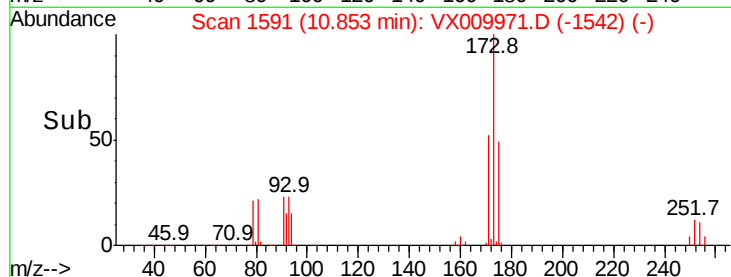
5/31/2019 9:30:42 AM



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: VX009971.D

Acq: 30 May 2019 19:22

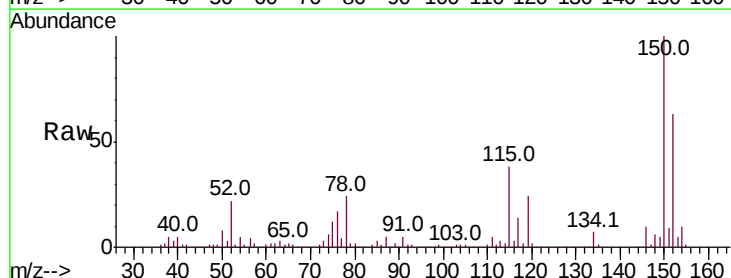
Tgt Ion:152 Resp: 114602

Ion Ratio Lower Upper

152 100

115 83.3 41.4 124.2

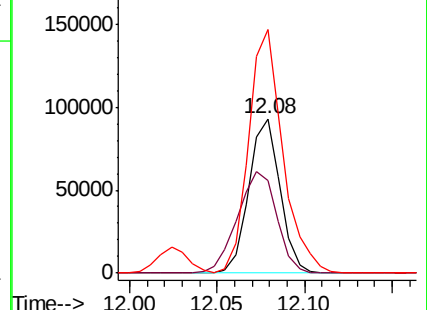
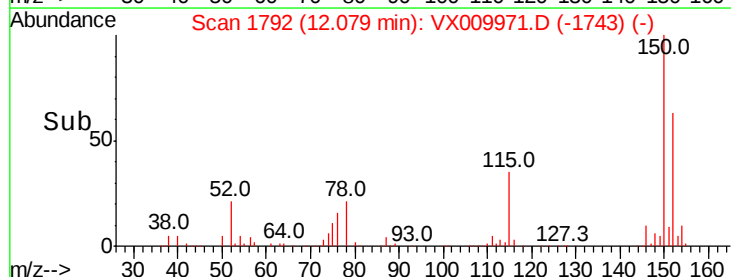
150 173.7 0.0 345.2

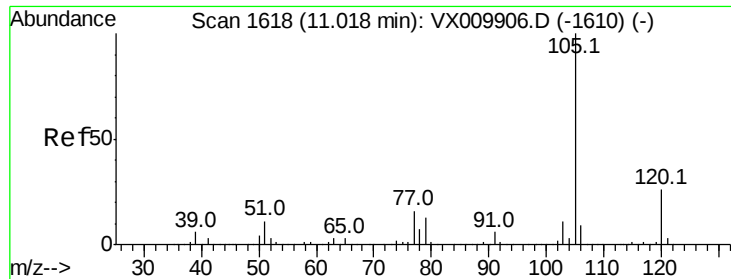


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





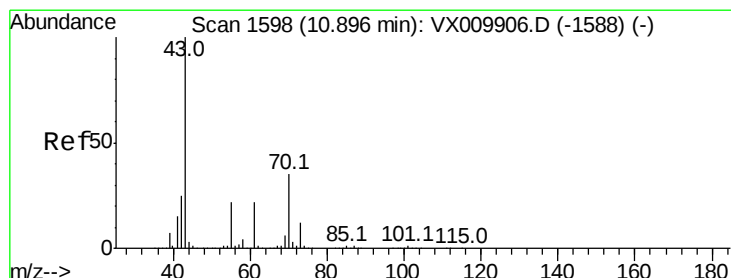
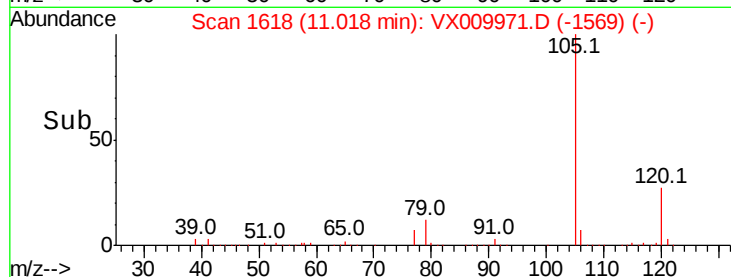
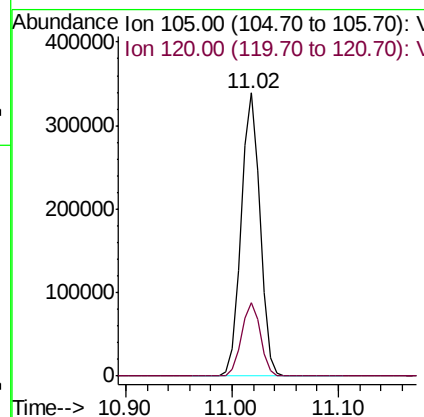
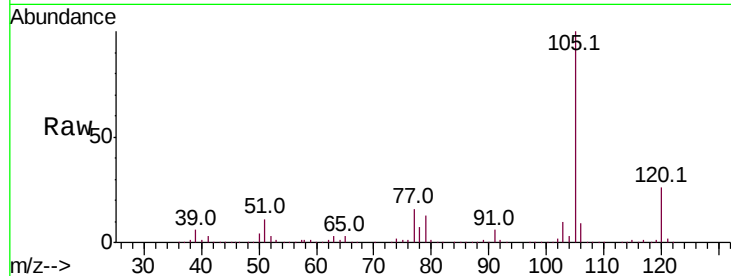
#73
Isopropylbenzene
Concen: 50.010 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 422862
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

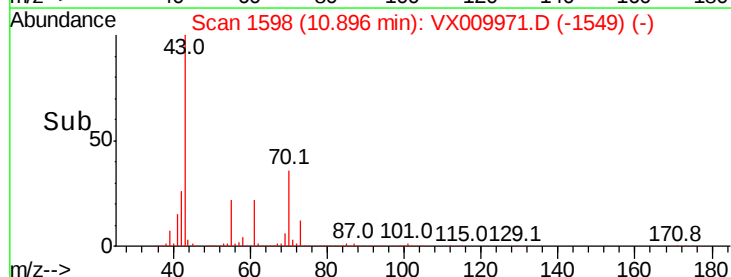
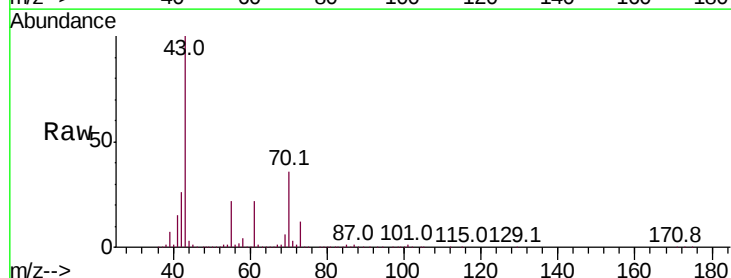
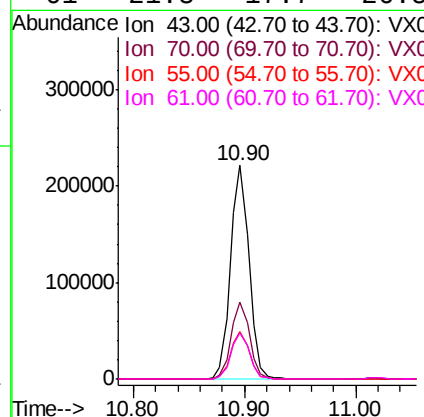
Manual Integrations
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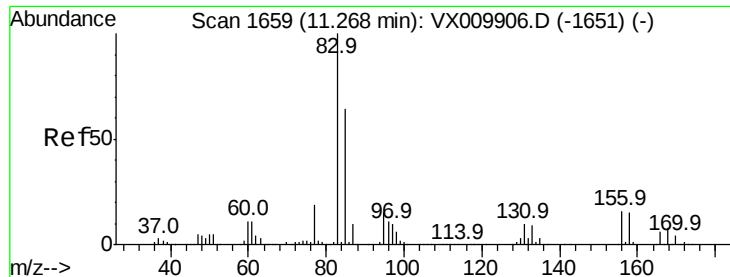
MMDadoda
5/31/2019 9:30:42 AM



#74
N-ethyl acetate
Concen: 50.347 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion: 43 Resp: 254389
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 22.5 17.8 26.8
61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.237 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

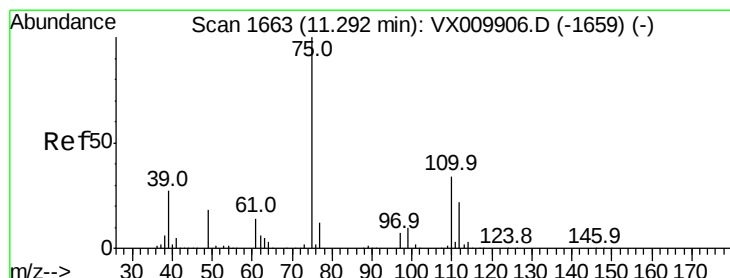
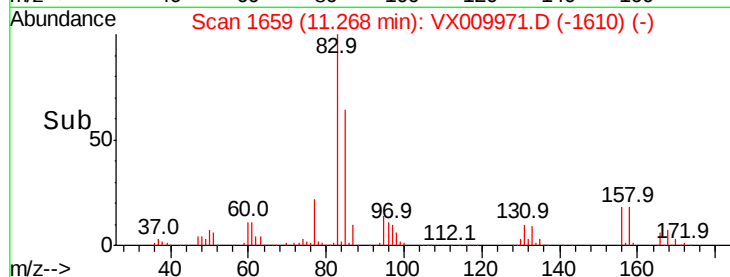
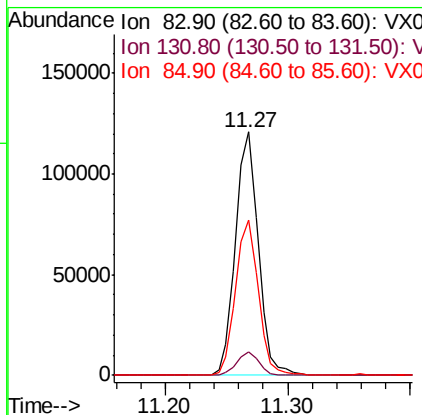
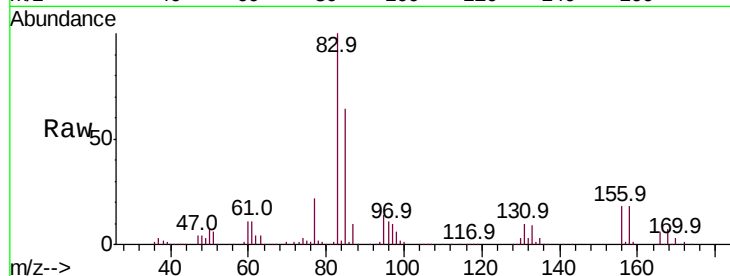
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155320
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.7	14.1
85	64.0	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/31/2019 9:30:42 AM



#76

1,2,3-Trichloropropane

Concen: 49.362 ug/l m

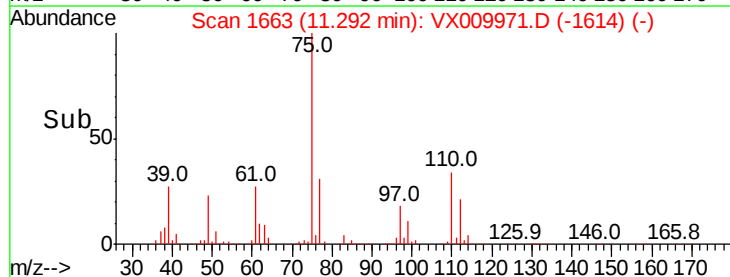
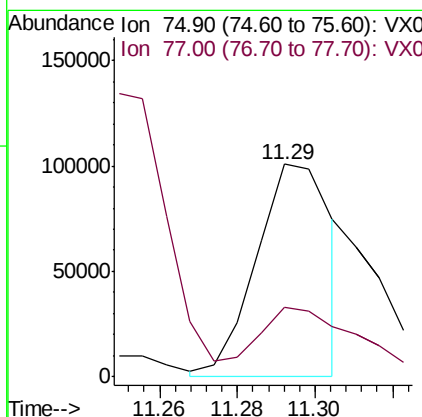
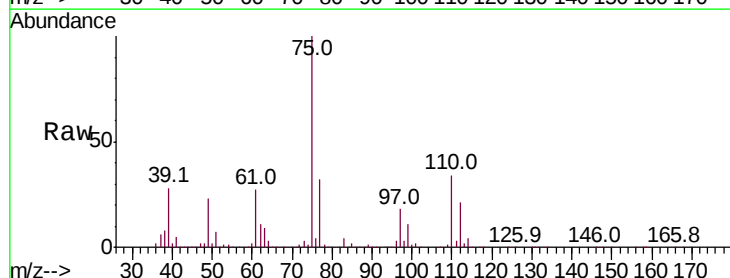
RT: 11.29 min Scan# 1663

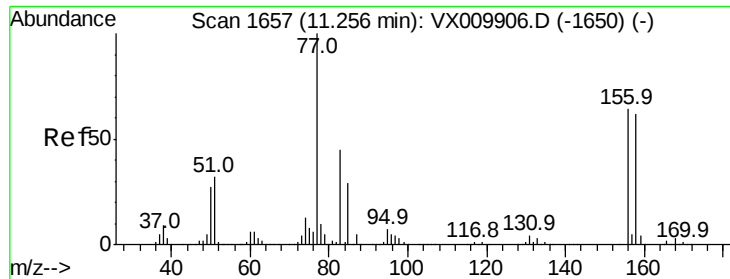
Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Tgt Ion:	75	Resp:	135275
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.1	66.1





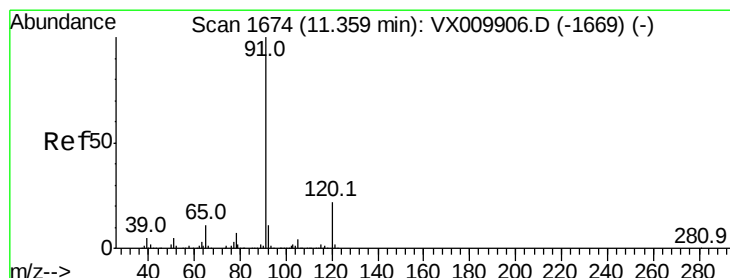
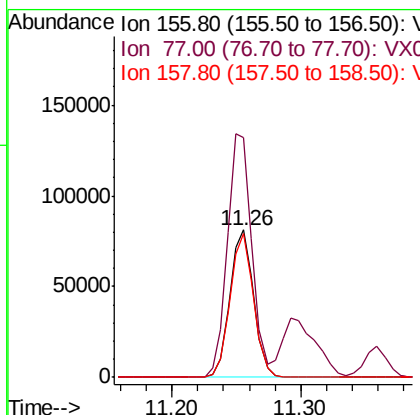
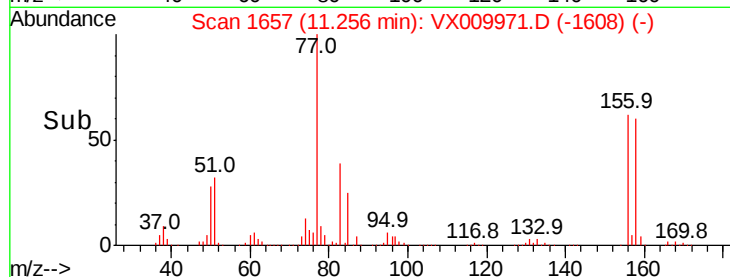
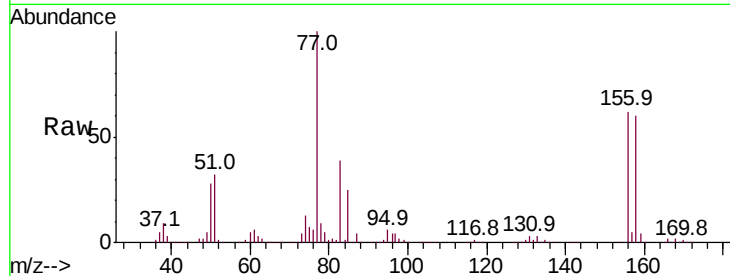
#77
Bromobenzene
Concen: 48.563 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.6	86.8	260.3
158	96.5	49.6	148.8

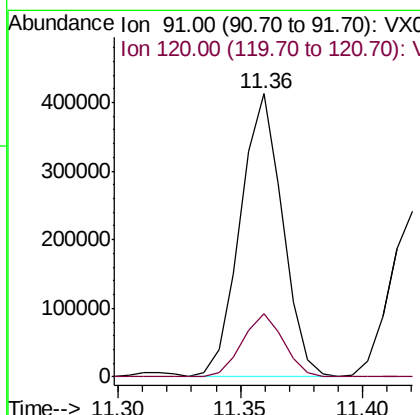
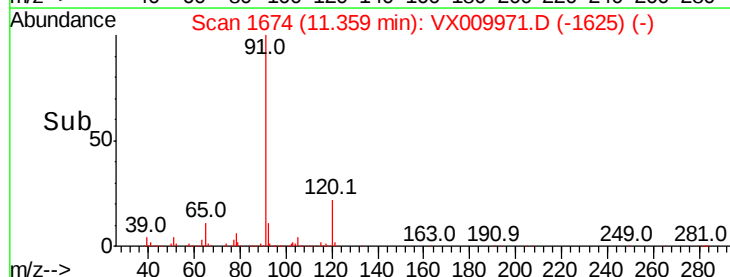
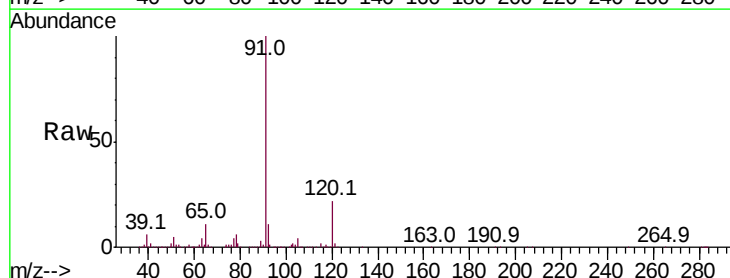
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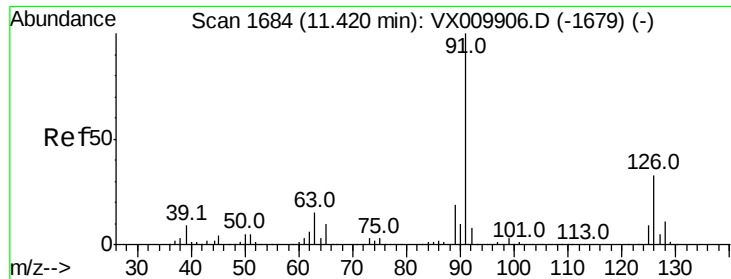
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#78
n-propylbenzene
Concen: 50.590 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 48.989 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 291719

Ion Ratio Lower Upper

91 100

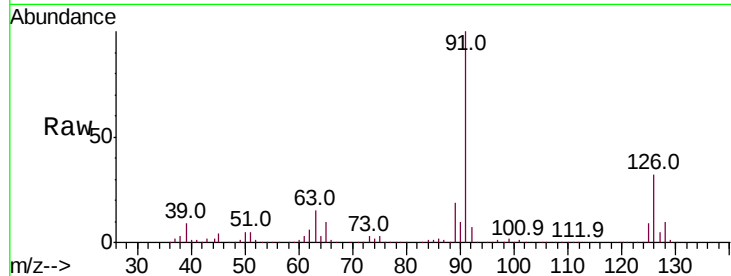
126 32.4 16.1 48.3

Manual Integrations

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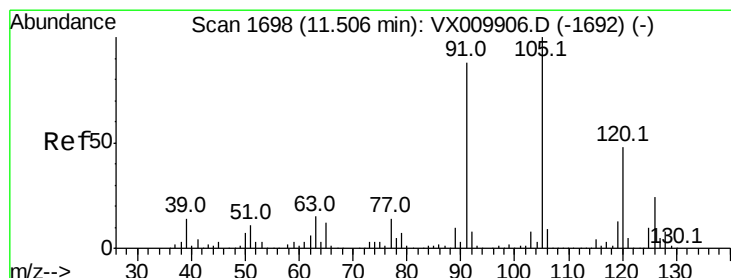
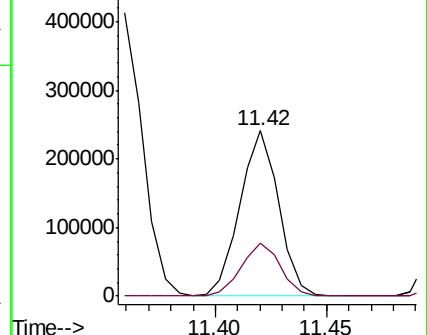
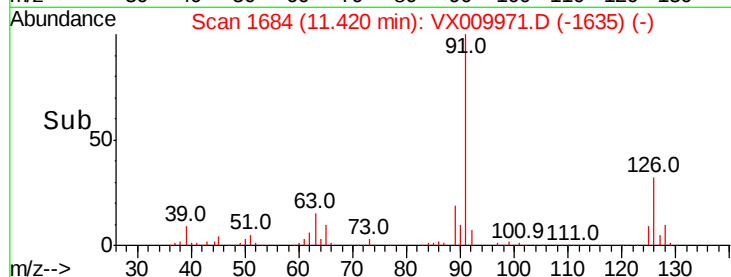
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Abundance Ion 91.00 (90.70 to 91.70): VX009971.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009971.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.326 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009971.D

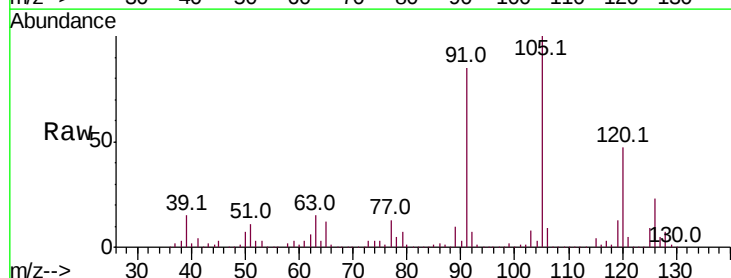
Acq: 30 May 2019 19:22

Tgt Ion:105 Resp: 358499

Ion Ratio Lower Upper

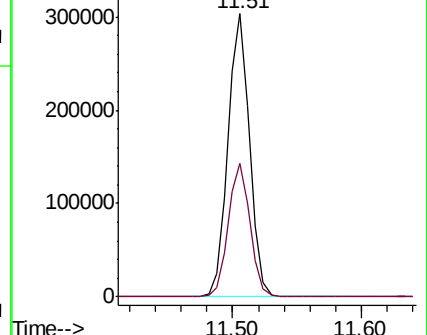
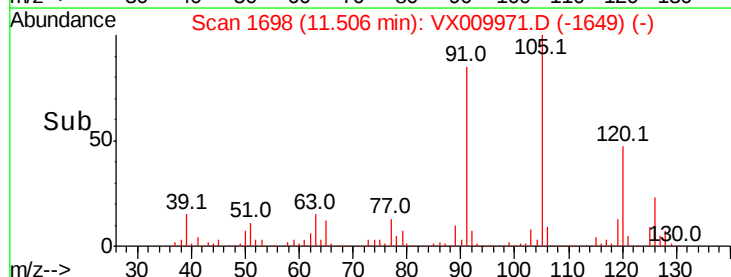
105 100

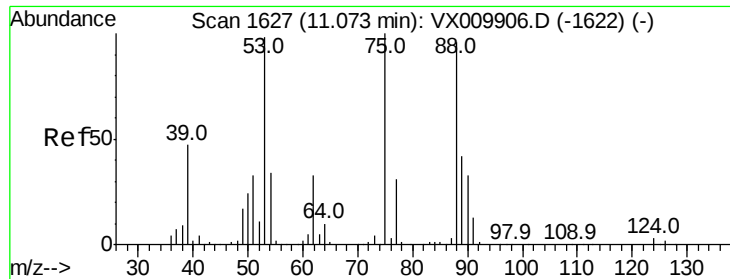
120 47.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009971.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009971.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.322 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52416

Ion Ratio Lower Upper

75 100

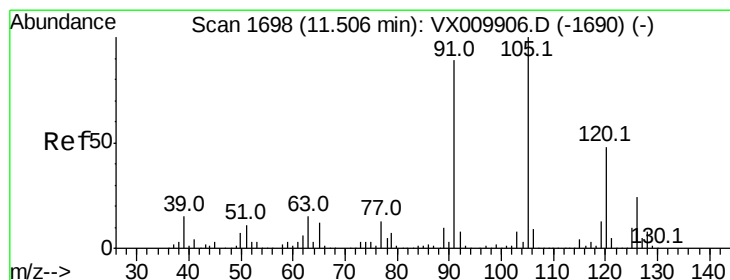
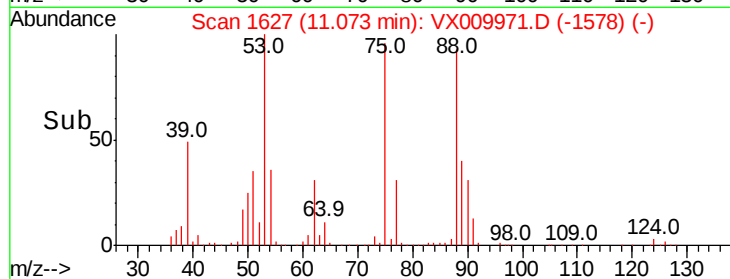
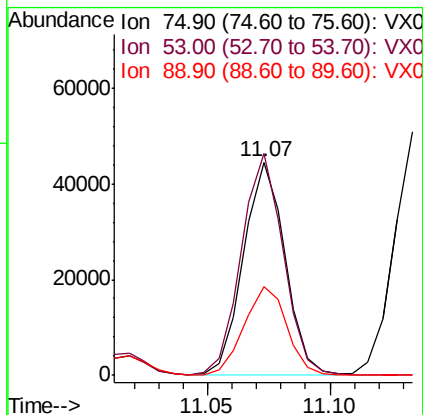
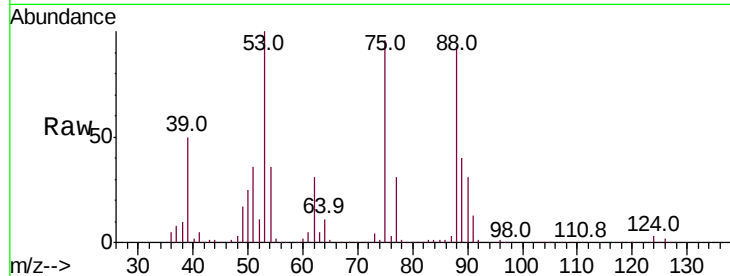
53 105.4 79.8 119.6

89 43.3 34.2 51.4

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#82

4-Chlorotoluene

Concen: 48.945 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009971.D

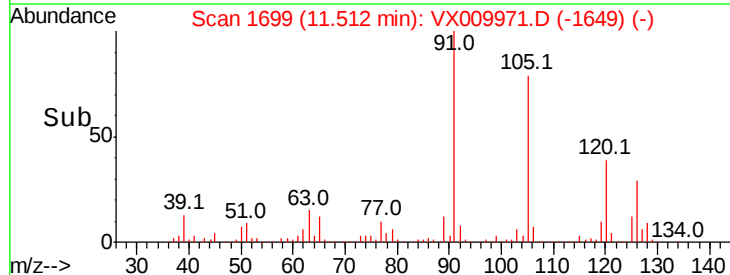
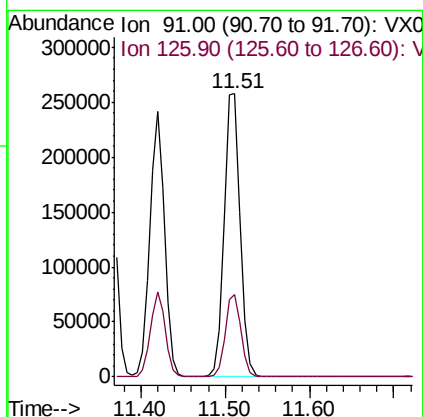
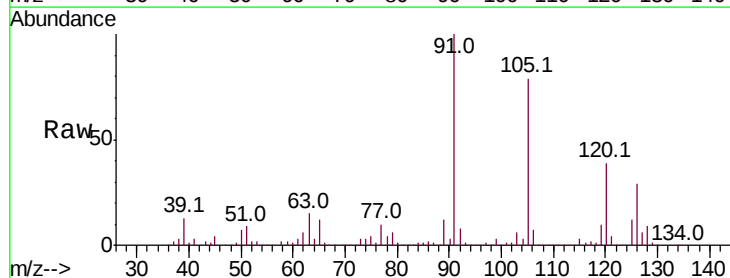
Acq: 30 May 2019 19:22

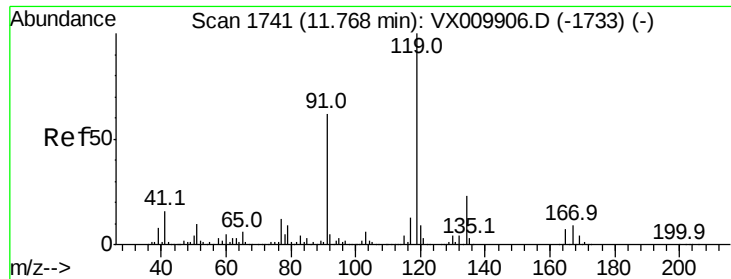
Tgt Ion: 91 Resp: 339285

Ion Ratio Lower Upper

91 100

126 28.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 49.633 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

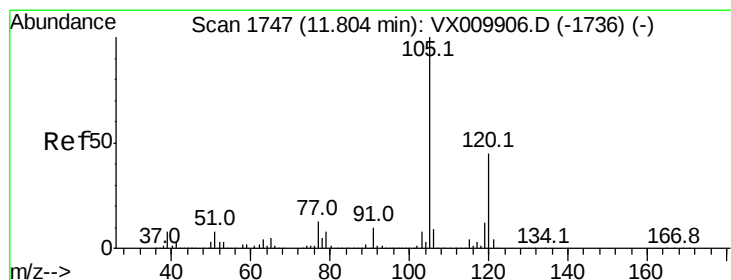
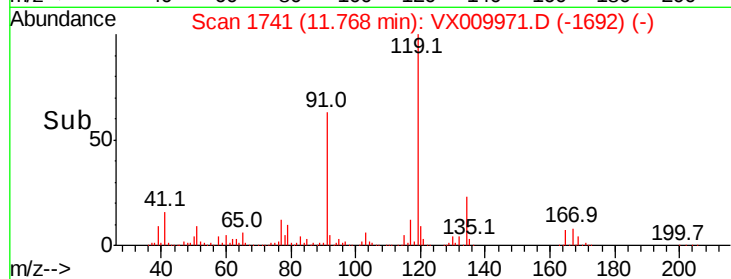
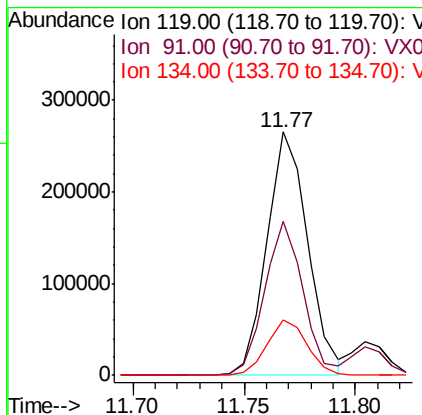
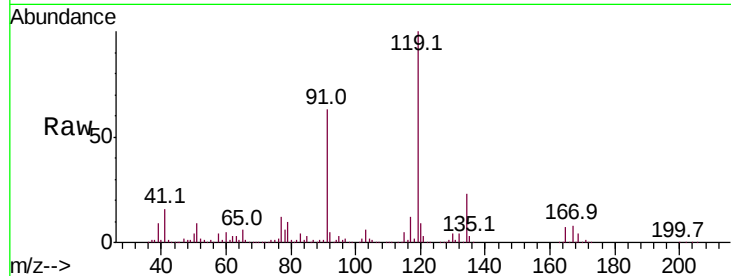
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	338255
Ion Ratio	Lower	Upper	
119	100		
91	59.6	30.0	90.0
134	22.5	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 49.588 ug/l

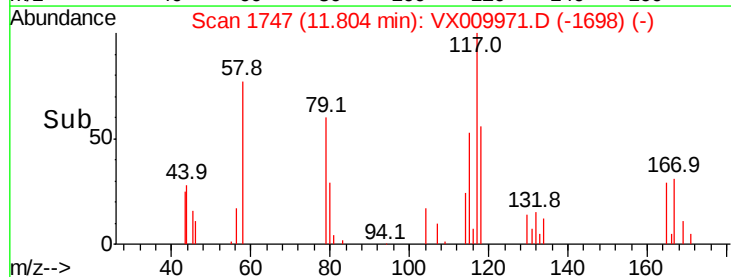
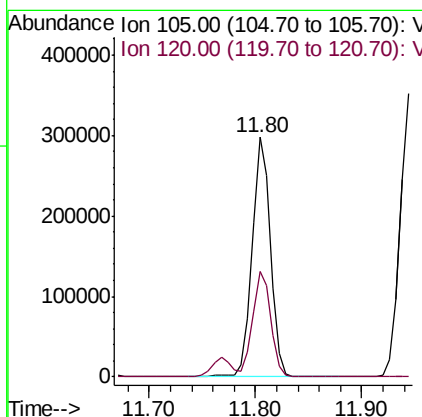
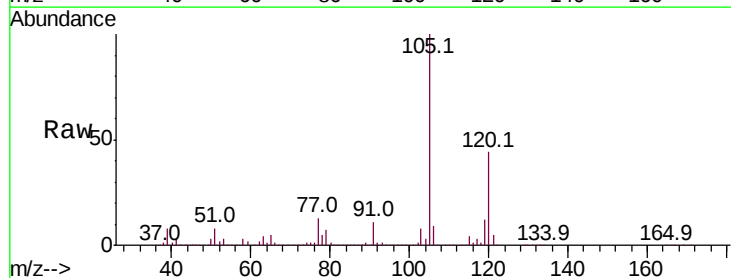
RT: 11.80 min Scan# 1747

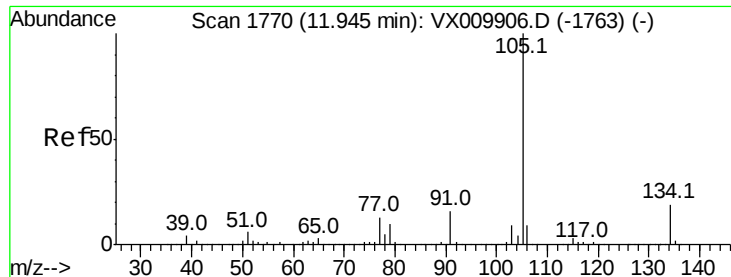
Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Tgt Ion:	105	Resp:	358735
Ion Ratio	Lower	Upper	
105	100		
120	43.4	22.1	66.1





#85

sec-Butylbenzene

Concen: 50.242 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 407350

Ion Ratio Lower Upper

105 100

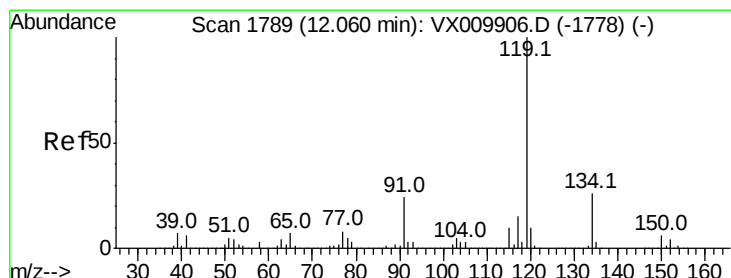
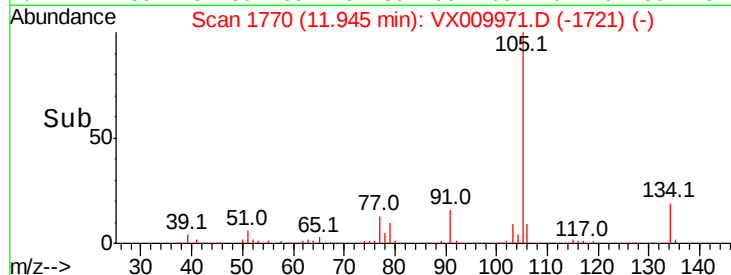
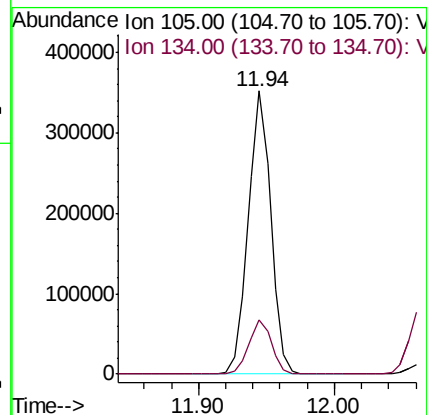
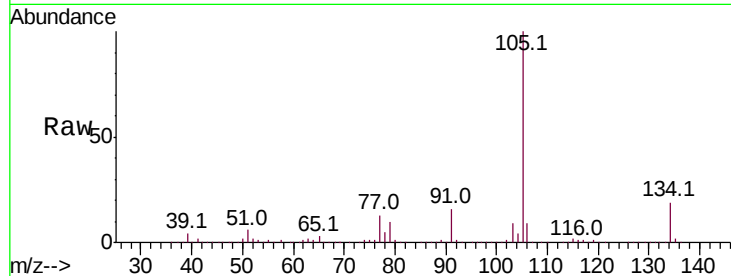
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 51.124 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

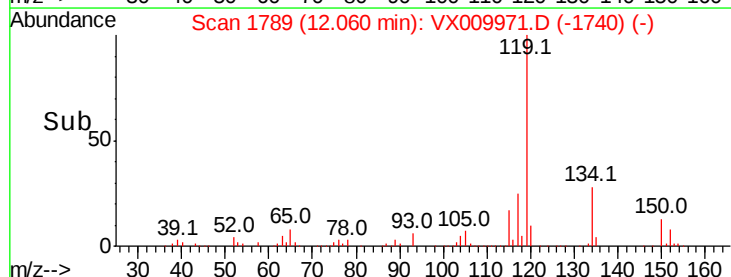
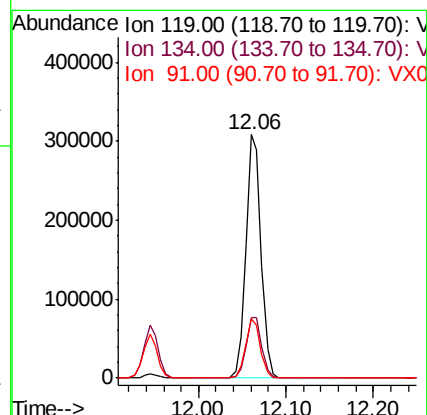
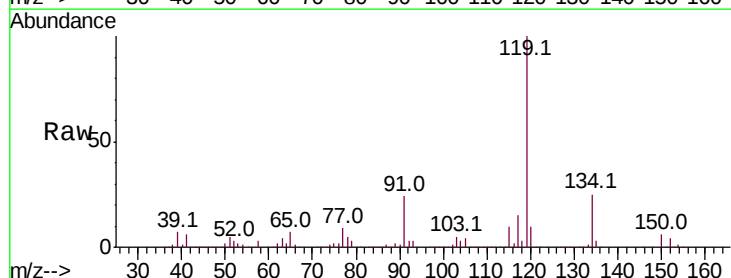
Tgt Ion:119 Resp: 372831

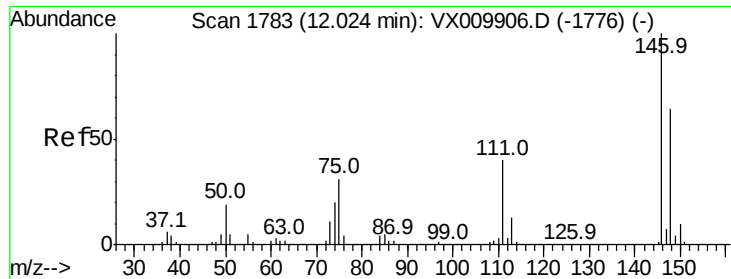
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 24.0 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 47.804 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Instrument :

MSVOA_X

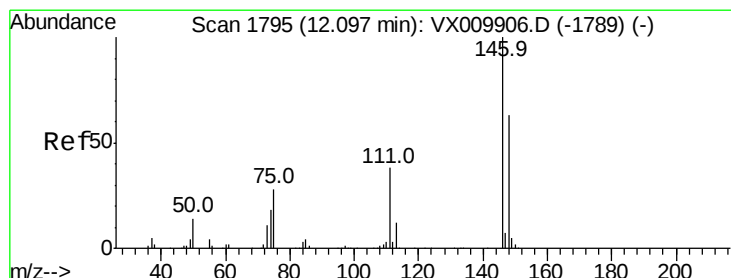
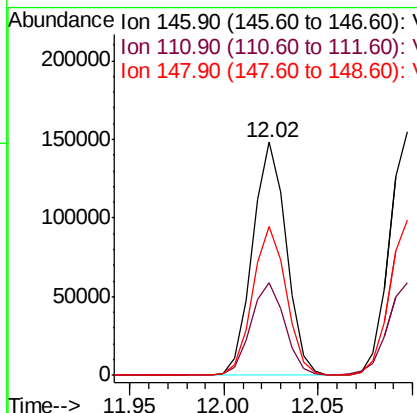
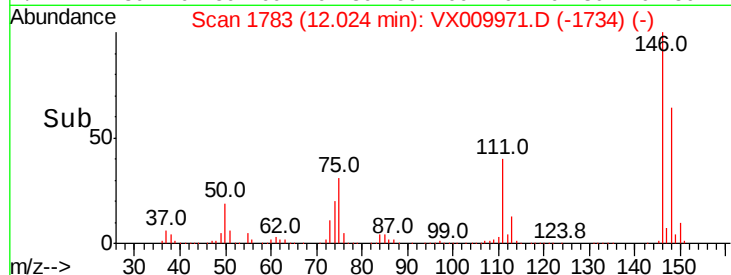
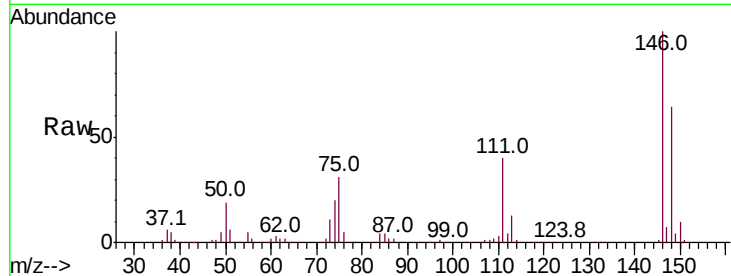
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	183394
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.1	60.2
148	63.7	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 47.065 ug/l

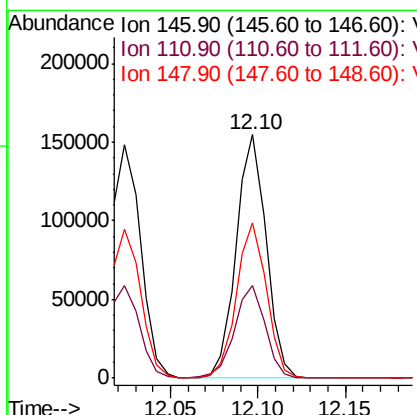
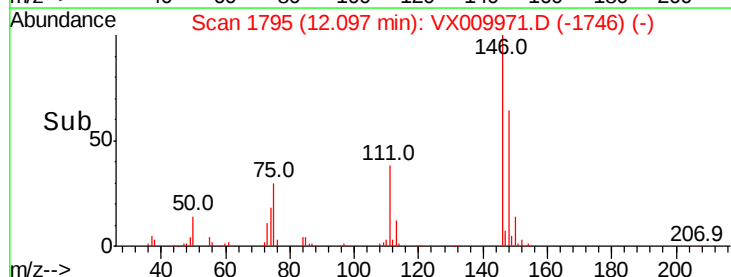
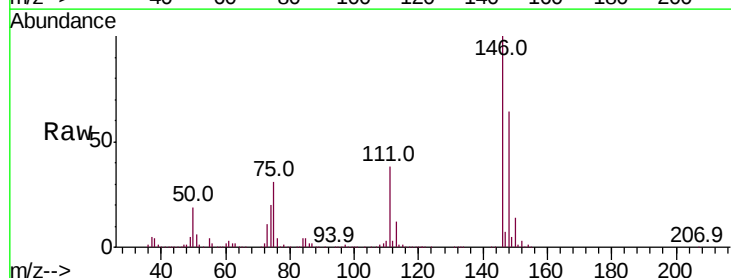
RT: 12.10 min Scan# 1795

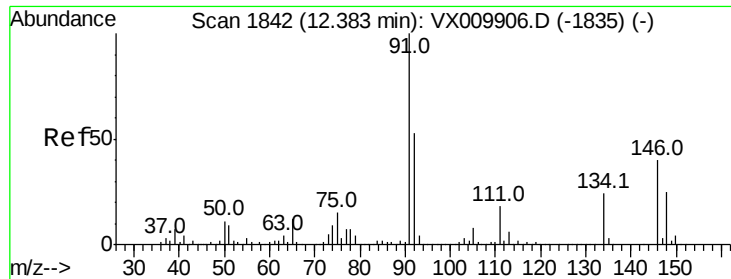
Delta R.T. 0.00 min

Lab File: VX009971.D

Acq: 30 May 2019 19:22

Tgt Ion:	146	Resp:	184143
Ion Ratio	Lower	Upper	
146	100		
111	39.2	20.0	59.9
148	64.1	32.3	96.9





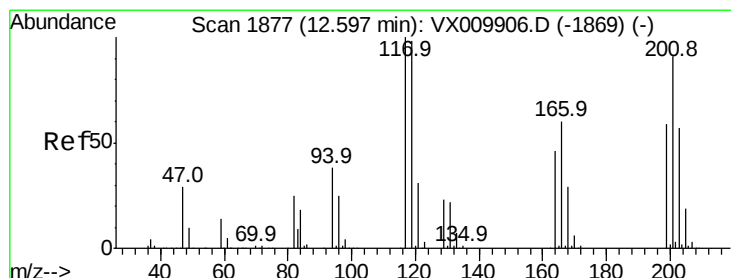
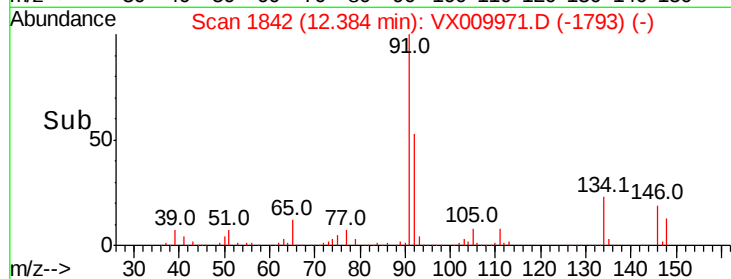
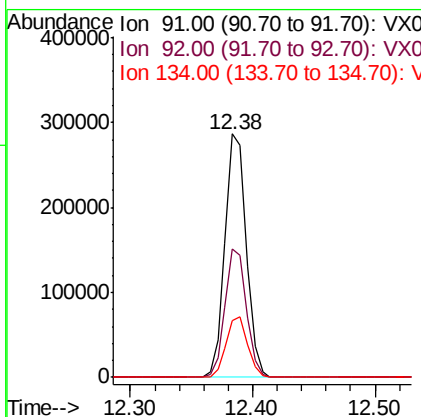
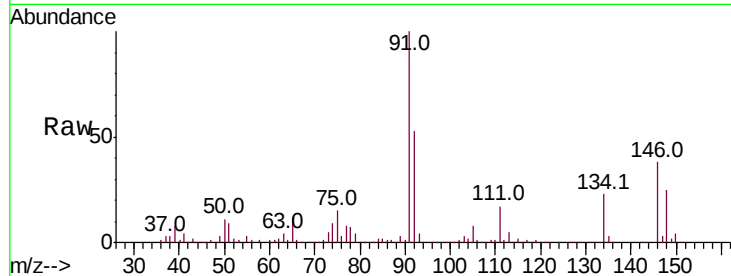
#89
n-Butylbenzene
Concen: 50.362 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	24.8	12.3	36.8

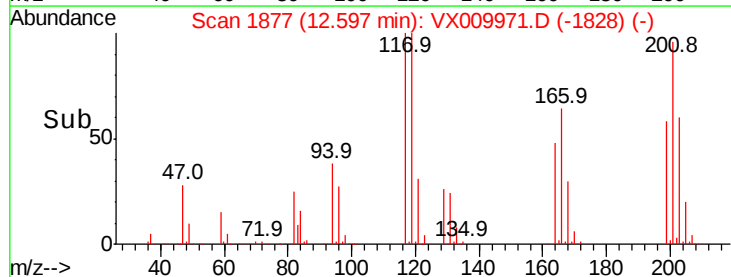
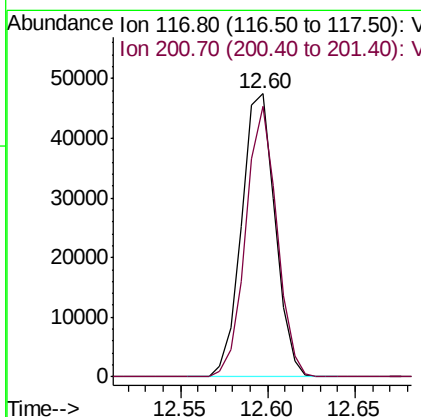
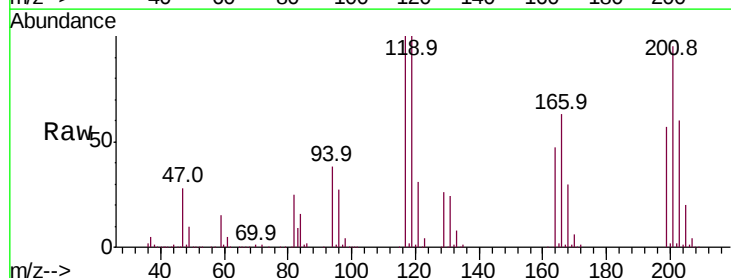
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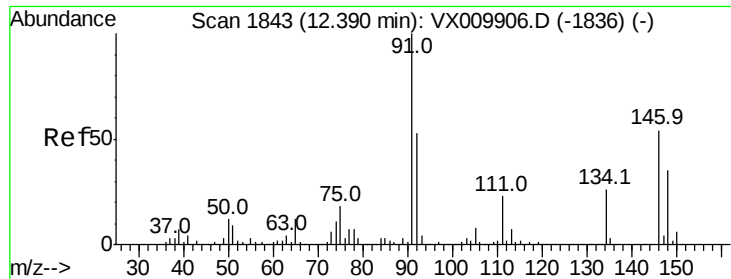
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5/31/2019 9:30:42 AM



#90
Hexachloroethane
Concen: 50.569 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	43.6	130.9





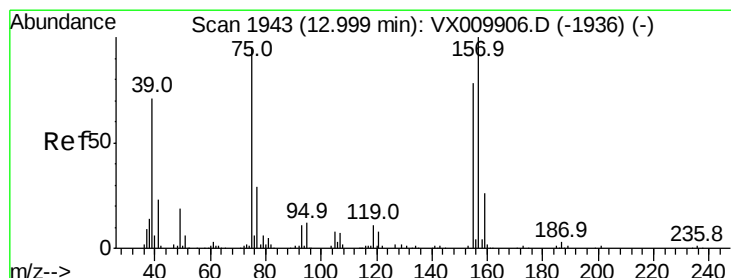
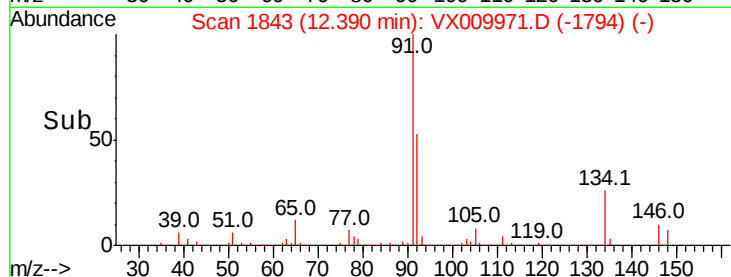
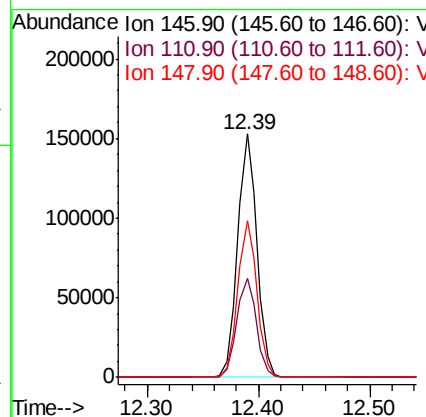
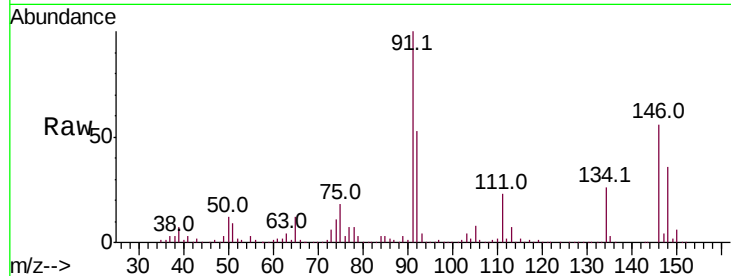
#91
 1,2-Dichlorobenzene
 Concen: 48.371 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	182957		
111	41.4	21.1	63.1	
148	63.8	32.3	96.8	

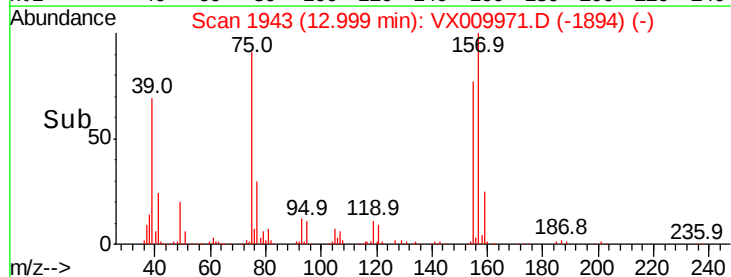
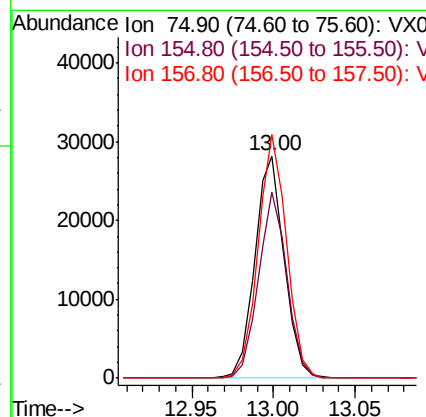
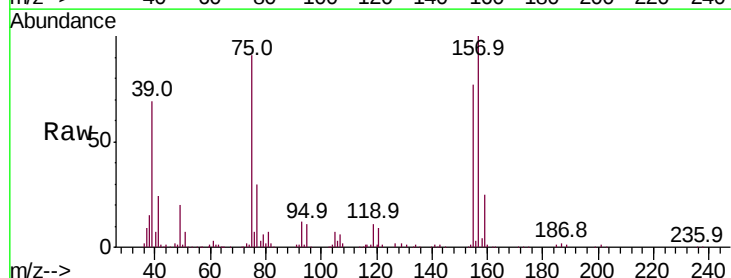
Manual Integrations
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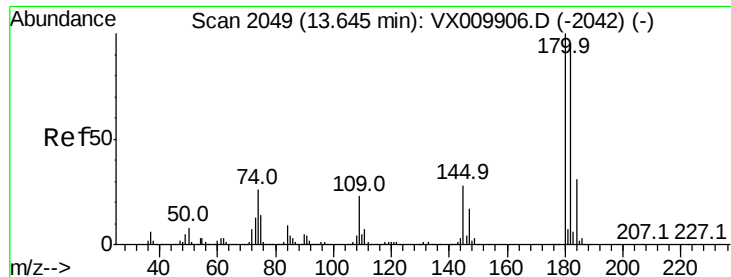
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.419 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35210		
155	81.2	39.3	117.8	
157	106.3	50.6	151.8	





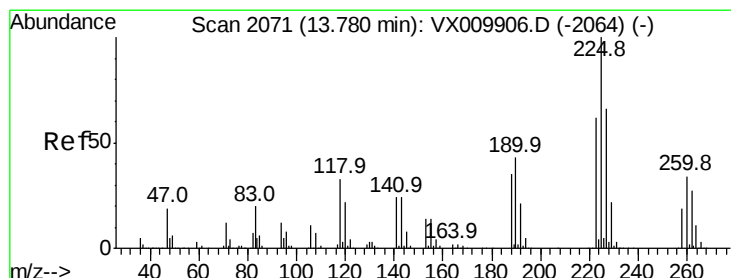
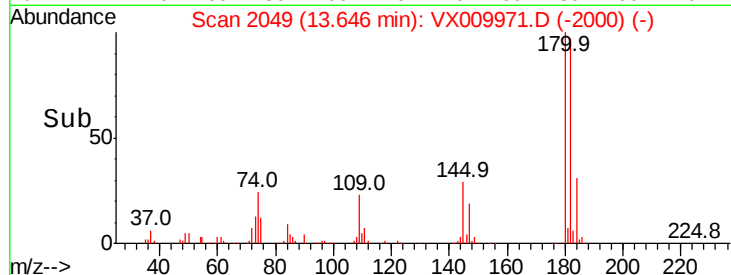
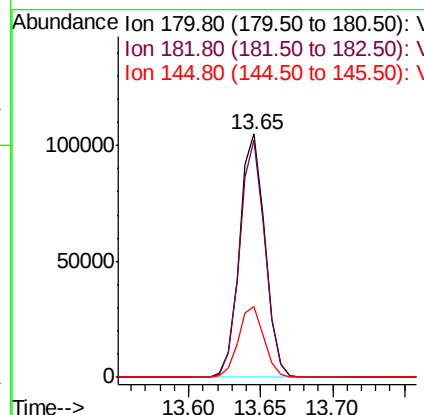
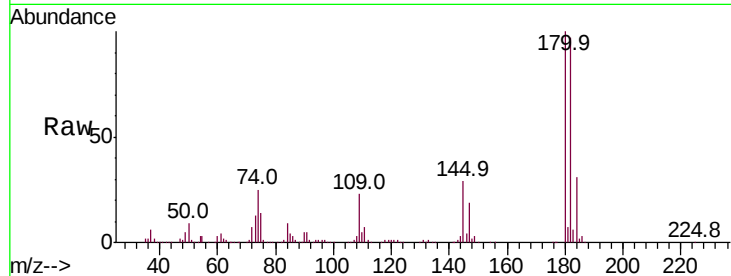
#93
 1,2,4-Trichlorobenzene
 Concen: 47.962 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129639		
182	96.8	47.4	142.2	
145	29.5	14.5	43.5	

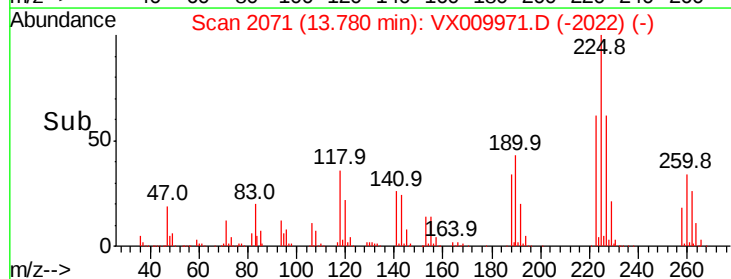
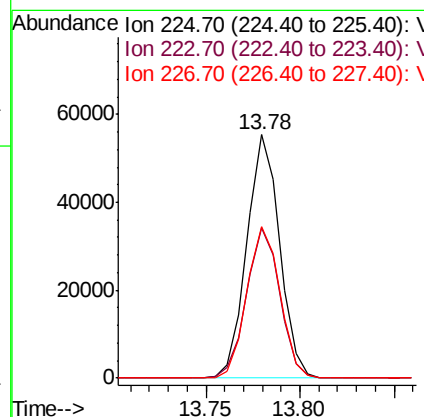
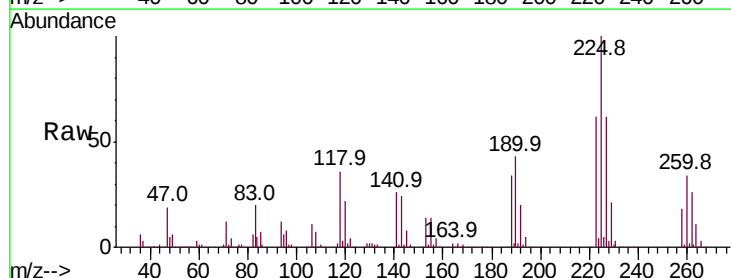
Manual Integrations
 APPROVED

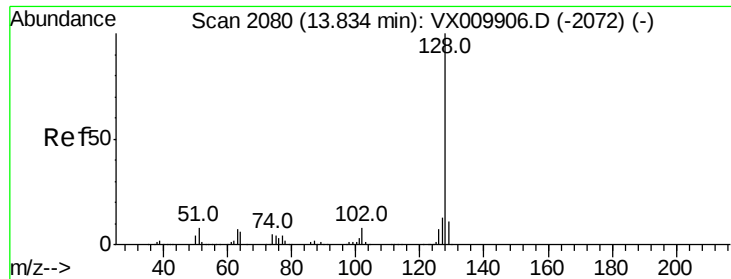
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 5/31/2019 9:30:42 AM



#94
 Hexachlorobutadiene
 Concen: 49.263 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009971.D
 Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66788		
223	62.7	31.3	93.8	
227	63.1	32.3	96.8	





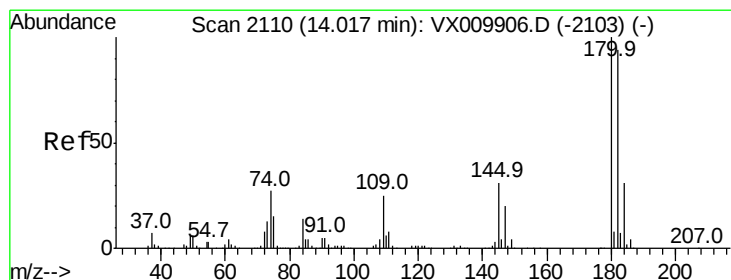
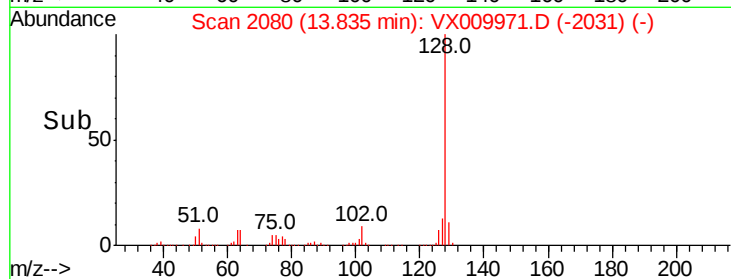
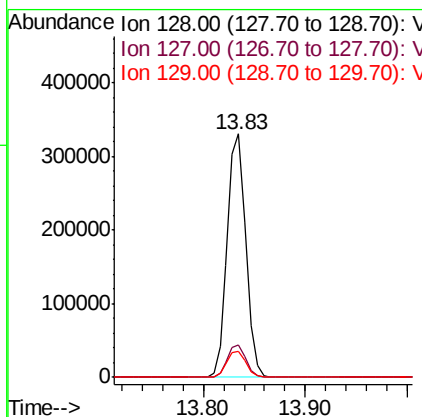
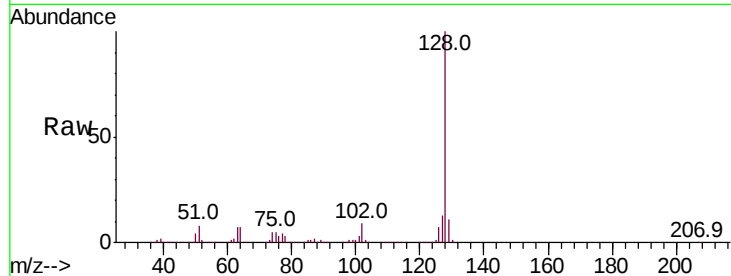
#95
Naphthalene
Concen: 49.466 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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5/31/2019 9:30:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.586 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009971.D
Acq: 30 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	31.0	15.6	46.7

