

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073019\
 Data File : VX011215.D
 Acq On : 30 Jul 2019 23:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:55:48 AM

Quant Time: Jul 31 09:31:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281276	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142088	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	106126	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	5.50	113	95041	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
50) Toluene-d8	8.71	98	350832	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	11.13	95	136341	55.39	ug/l	0.00
Spiked Amount			Recovery	=	110.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	87939	43.763	ug/l	100
3) Chloromethane	1.32	50	77991	44.934	ug/l	99
4) Vinyl Chloride	1.41	62	84864	47.935	ug/l	99
5) Bromomethane	1.64	94	45219	45.325	ug/l	100
6) Chloroethane	1.71	64	54308	48.271	ug/l	97
7) Trichlorofluoromethane	1.92	101	149688	49.949	ug/l	100
8) Diethyl Ether	2.19	74	52005	50.366	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	84298	49.265	ug/l	99
10) Methyl Iodide	2.51	142	96824	43.120	ug/l	99
11) Tert butyl alcohol	3.06	59	122853	262.713	ug/l	99
12) 1,1-Dichloroethene	2.37	96	80700	48.002	ug/l	95
13) Acrolein	2.29	56	56360	208.600	ug/l	99
14) Allyl chloride	2.73	41	117597	48.156	ug/l	99
15) Acrylonitrile	3.14	53	248025	262.477	ug/l	100
16) Acetone	2.45	43	210494	232.106	ug/l	97
17) Carbon Disulfide	2.57	76	167237	38.780	ug/l	100
18) Methyl Acetate	2.78	43	120763	58.481	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	283176	52.323	ug/l	100
20) Methylene Chloride	2.85	84	93270	48.530	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	85125	47.720	ug/l	95
22) Diisopropyl ether	3.86	45	268221	52.078	ug/l	89
23) Vinyl Acetate	3.81	43	1118602	256.334	ug/l	100
24) 1,1-Dichloroethane	3.70	63	151572	50.675	ug/l	99
25) 2-Butanone	4.67	43	342816	263.335	ug/l	98
26) 2,2-Dichloropropane	4.58	77	95595	38.924	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	102872	49.830	ug/l	97
28) Bromochloromethane	5.02	49	68545	48.631	ug/l	98
29) Tetrahydrofuran	5.13	42	219099	265.695	ug/l	99
30) Chloroform	5.21	83	167459	51.797	ug/l	98
31) Cyclohexane	5.58	56	127191	46.653	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	144584	51.691	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115525	50.002	ug/l	99
37) Ethyl Acetate	4.84	43	126891	53.635	ug/l	99
38) Carbon Tetrachloride	5.79	117	124336	51.644	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136988	45.721	ug/l	98
40) Benzene	6.14	78	352630	49.825	ug/l	100
41) Methacrylonitrile	5.05	41	71659	53.357	ug/l	96
42) 1,2-Dichloroethane	6.19	62	130707	53.117	ug/l	99
43) Isopropyl Acetate	6.45	43	206212	53.009	ug/l	99
44) Trichloroethene	7.21	130	103580	49.444	ug/l	96
45) 1,2-Dichloropropane	7.51	63	93737	52.038	ug/l	100
46) Dibromomethane	7.66	93	67389	52.355	ug/l	98
47) Bromodichloromethane	7.90	83	123313	53.819	ug/l	100
48) Methyl methacrylate	7.77	41	101654	53.641	ug/l	98
49) 1,4-Dioxane	7.74	88	54846	1034.646	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	712083	282.380	ug/l	99
52) Toluene	8.78	92	233896	50.308	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	127404	51.713	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	140117	51.111	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	101570	53.058	ug/l	99
56) Ethyl methacrylate	9.18	69	155772	55.629	ug/l	98
57) 1,3-Dichloropropane	9.37	76	159665	52.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	352615	263.793	ug/l	99
59) 2-Hexanone	9.49	43	548661	280.518	ug/l	100
60) Dibromochloromethane	9.58	129	108246	49.176	ug/l	99
61) 1,2-Dibromoethane	9.67	107	107458	52.893	ug/l	99
64) Tetrachloroethene	9.34	164	101757	49.269	ug/l	98
65) Chlorobenzene	10.13	112	270461	50.157	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	100708	53.140	ug/l	99
67) Ethyl Benzene	10.25	91	466275	50.801	ug/l	99
68) m/p-Xylenes	10.36	106	359927	102.230	ug/l	99
69) o-Xylene	10.69	106	177023	51.519	ug/l	99
70) Styrene	10.71	104	305519	53.338	ug/l	99
71) Bromoform	10.85	173	82706	48.035	ug/l #	99
73) Isopropylbenzene	11.02	105	483153	50.324	ug/l	99
74) N-amyl acetate	10.90	43	191501	52.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162170	51.615	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	136578m	53.266	ug/l	
77) Bromobenzene	11.25	156	133613	50.453	ug/l	99
78) n-propylbenzene	11.36	91	546269	51.495	ug/l	100
79) 2-Chlorotoluene	11.42	91	324827	50.973	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	408833	50.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	42910	43.005	ug/l	94
82) 4-Chlorotoluene	11.51	91	379685	51.191	ug/l	99
83) tert-Butylbenzene	11.77	119	407689	51.737	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	419465	51.876	ug/l	99
85) sec-Butylbenzene	11.94	105	482686	52.276	ug/l	100
86) p-Isopropyltoluene	12.06	119	445500	52.189	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	233002	50.699	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	232604	49.349	ug/l	98
89) n-Butylbenzene	12.38	91	385490	52.785	ug/l	99
90) Hexachloroethane	12.60	117	69975	51.972	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	233966	51.367	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35519	54.082	ug/l	99

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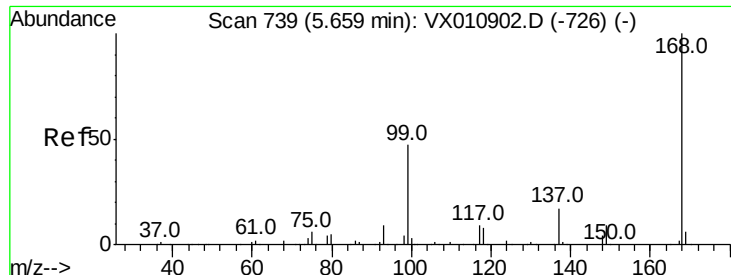
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	160809	52.095	ug/l	98
94) Hexachlorobutadiene	13.78	225	77318	50.545	ug/l	98
95) Naphthalene	13.83	128	514302	56.422	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	165647	53.933	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 188744

Ion Ratio Lower Upper

168 100

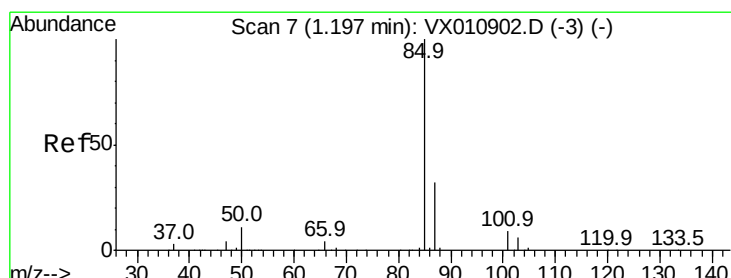
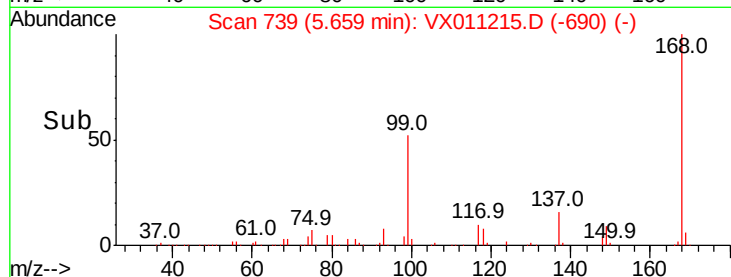
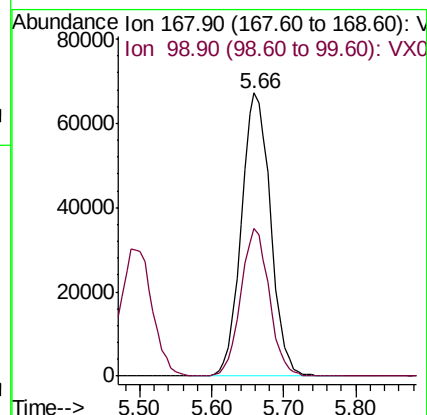
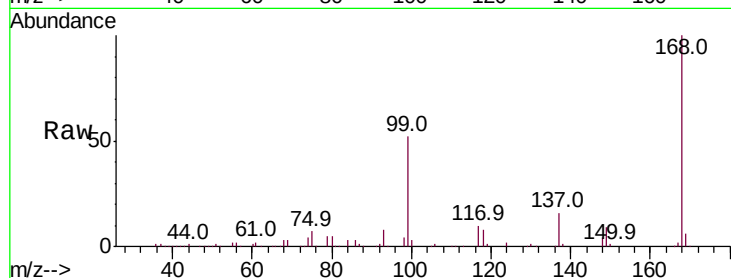
99 52.0 37.6 56.4

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#2

Dichlorodifluoromethane

Concen: 43.763 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011215.D

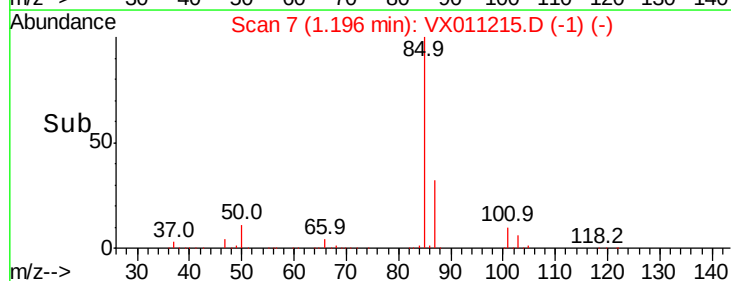
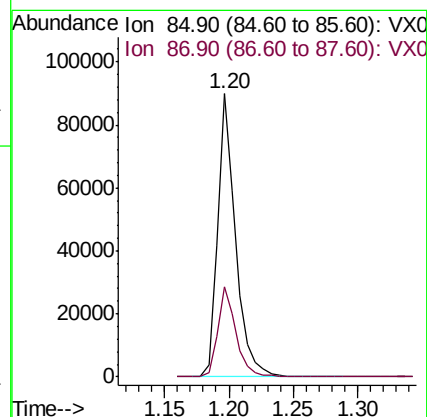
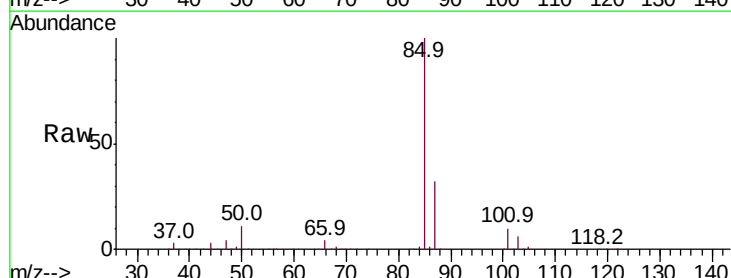
Acq: 30 Jul 2019 23:31

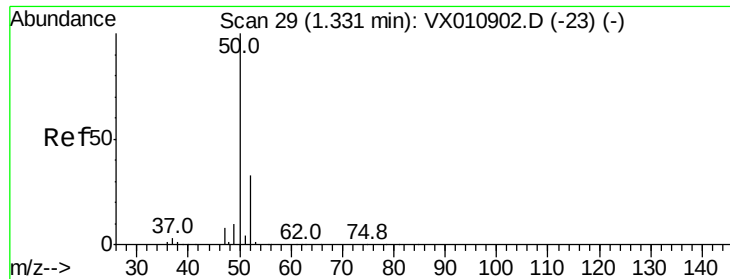
Tgt Ion: 85 Resp: 87939

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7





#3

Chloromethane

Concen: 44.934 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 77991

Ion Ratio Lower Upper

50 100

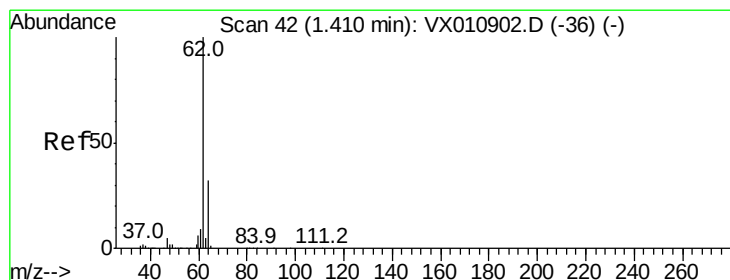
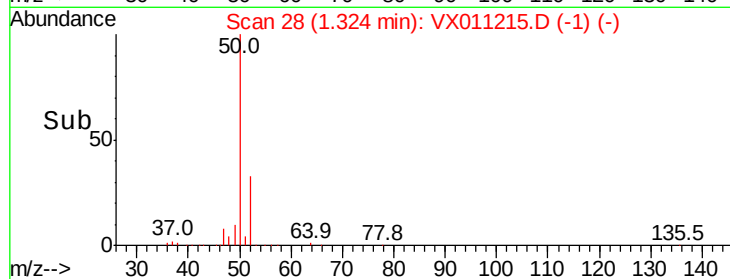
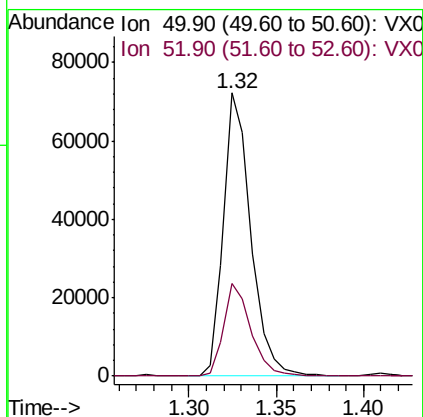
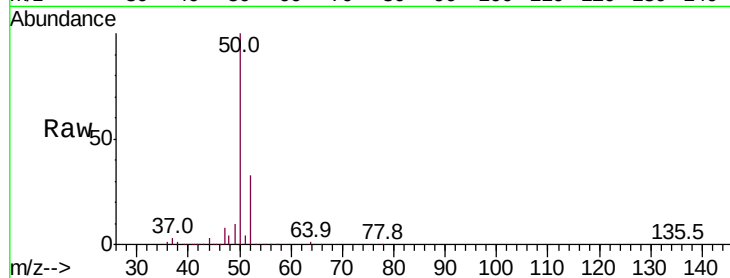
52 32.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.935 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011215.D

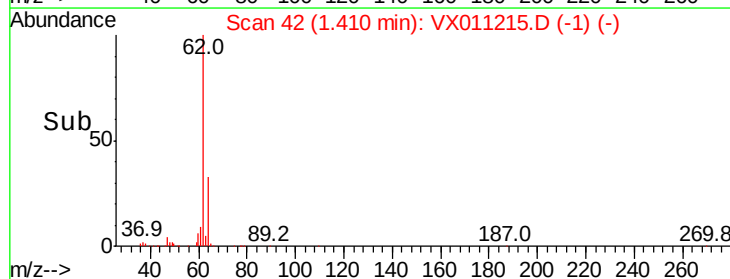
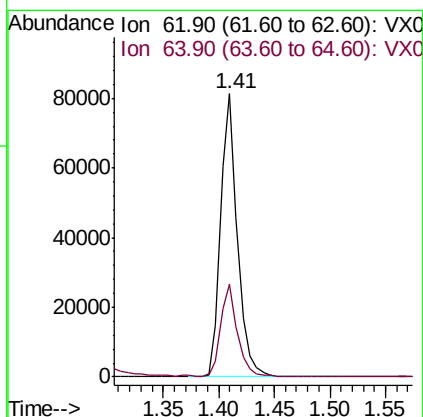
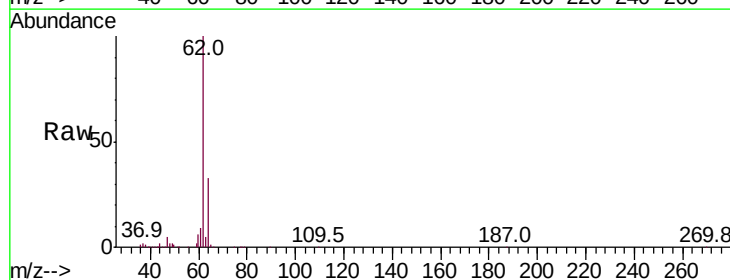
Acq: 30 Jul 2019 23:31

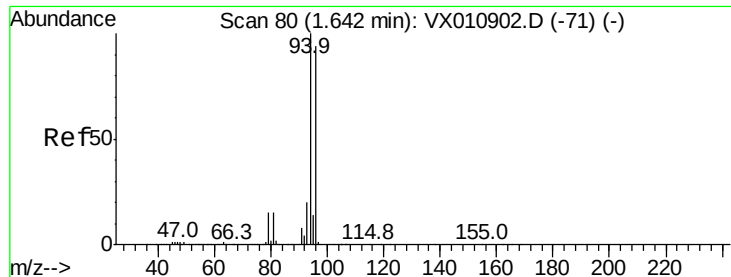
Tgt Ion: 62 Resp: 84864

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 45.325 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 45219

Ion Ratio Lower Upper

94 100

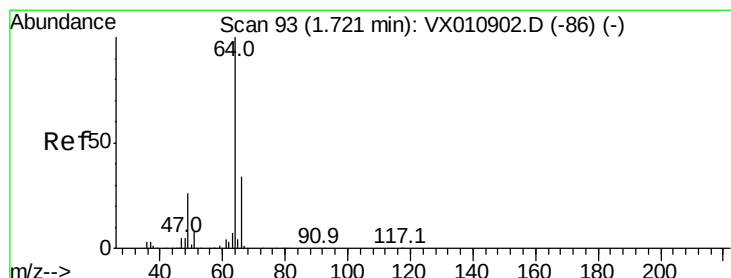
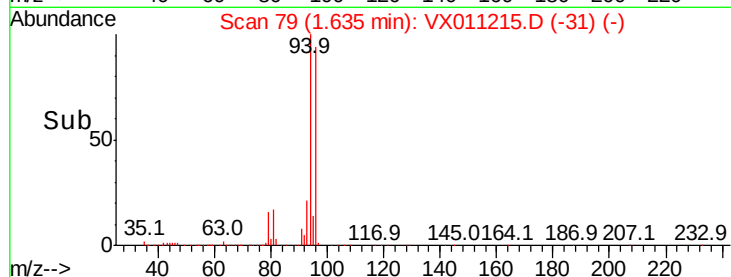
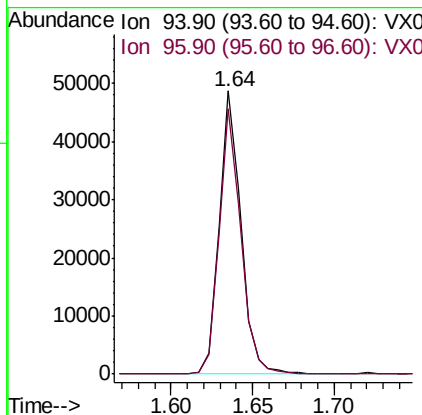
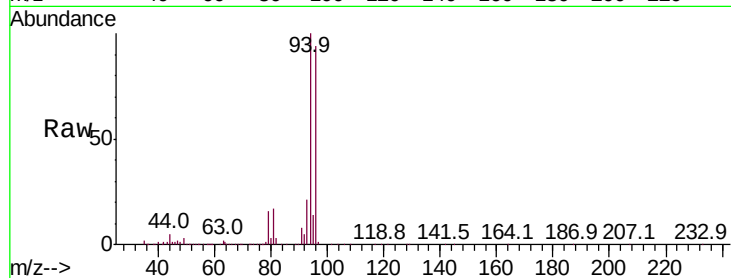
96 94.1 75.6 113.4

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#6

Chloroethane

Concen: 48.271 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011215.D

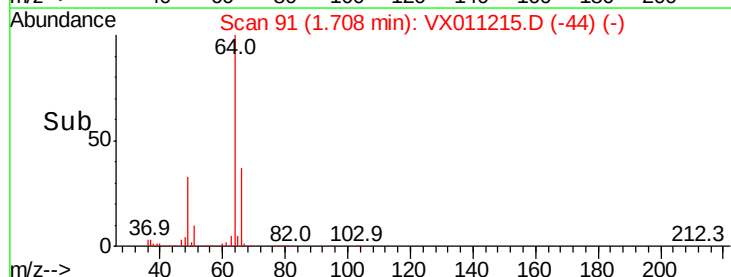
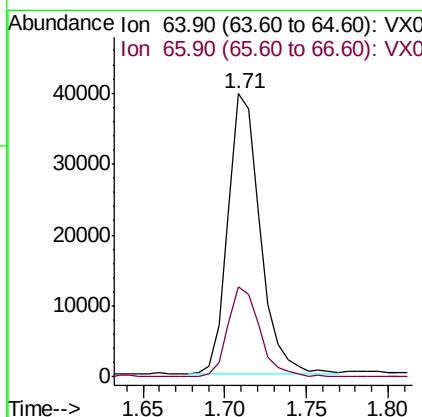
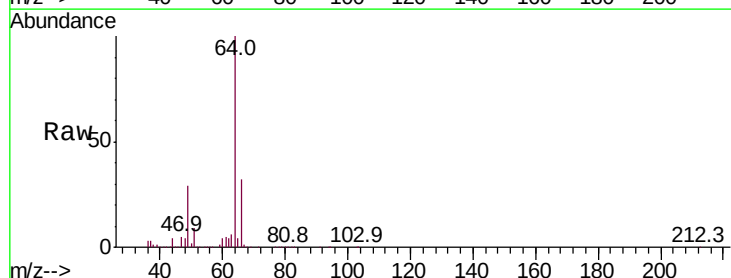
Acq: 30 Jul 2019 23:31

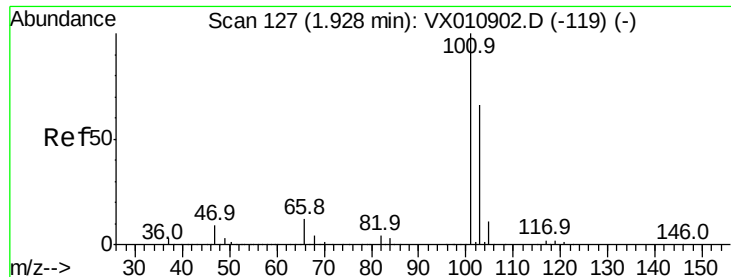
Tgt Ion: 64 Resp: 54308

Ion Ratio Lower Upper

64 100

66 32.0 27.0 40.6





#7

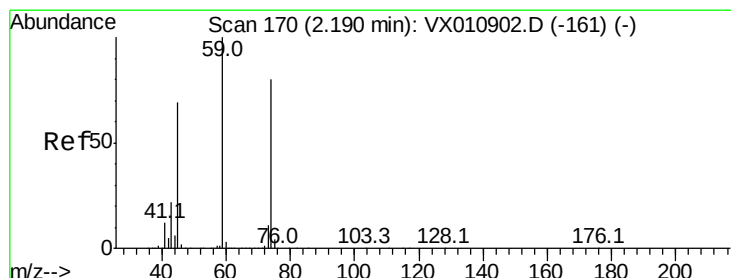
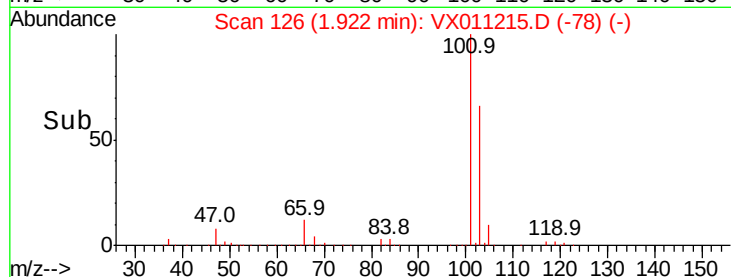
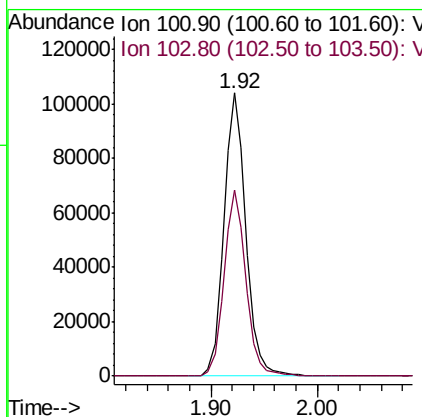
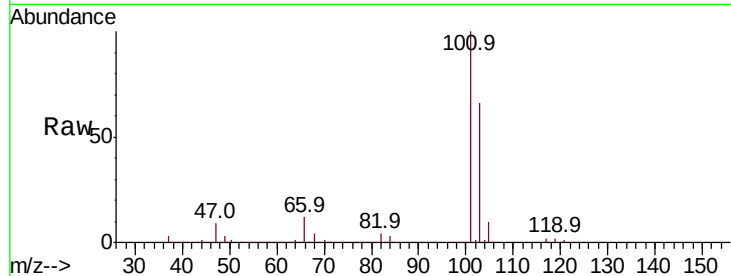
Trichlorofluoromethane
 Concen: 49.949 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	78.8

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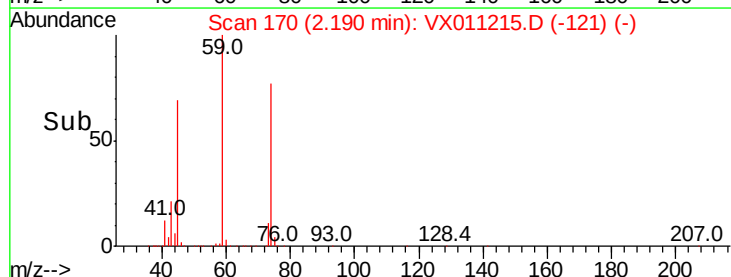
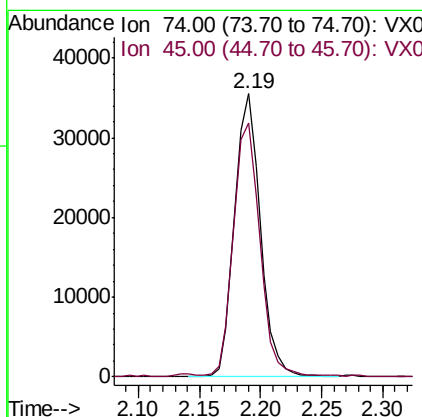
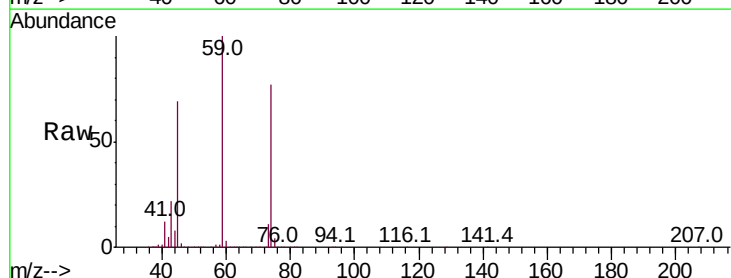
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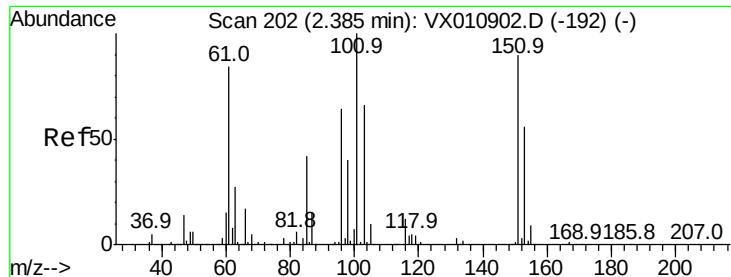


#8

Diethyl Ether
 Concen: 50.366 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.265 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 84298

Ion Ratio Lower Upper

101 100

85 43.5 34.6 52.0

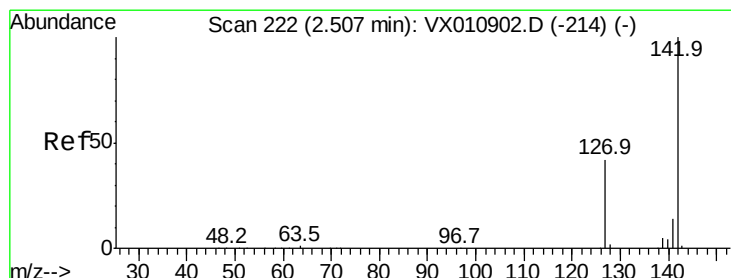
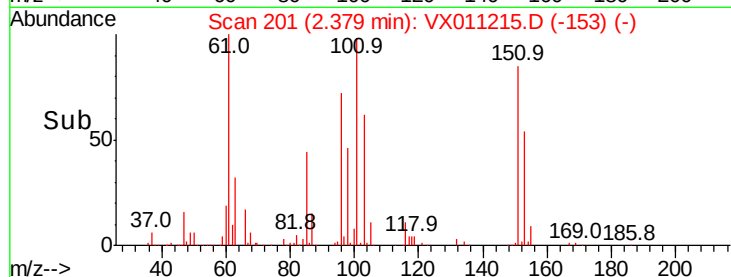
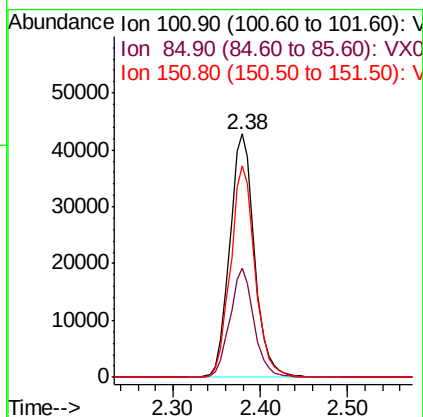
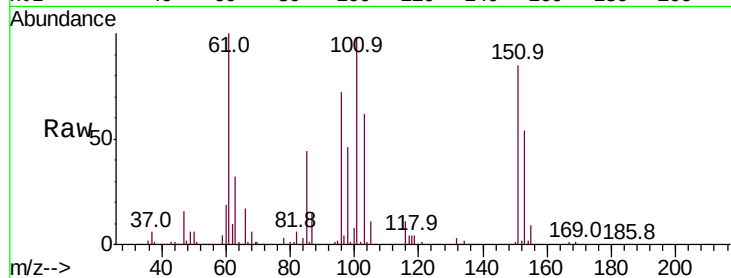
151 86.0 69.6 104.4

Manual Integrations

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#10

Methyl Iodide

Concen: 43.120 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

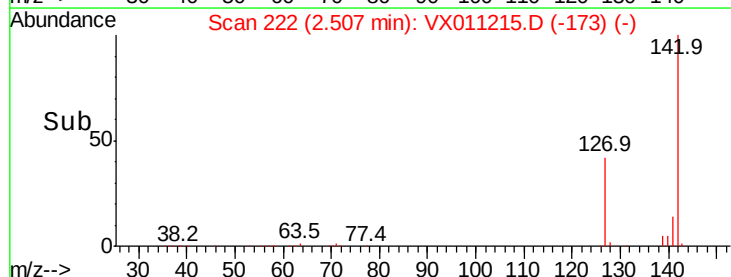
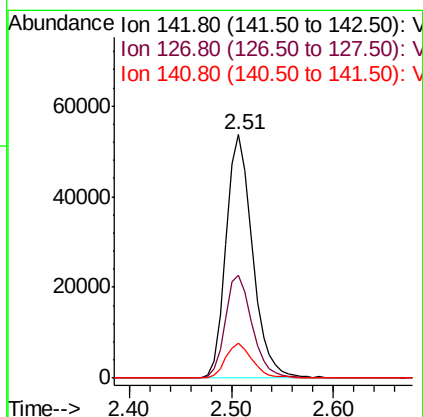
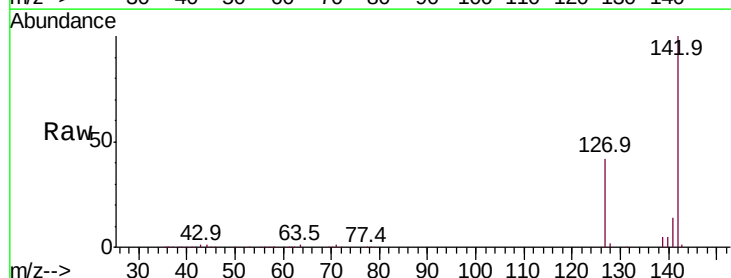
Tgt Ion:142 Resp: 96824

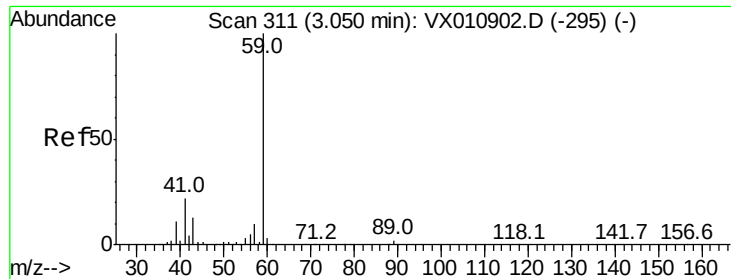
Ion Ratio Lower Upper

142 100

127 43.2 34.2 51.4

141 14.4 11.7 17.5





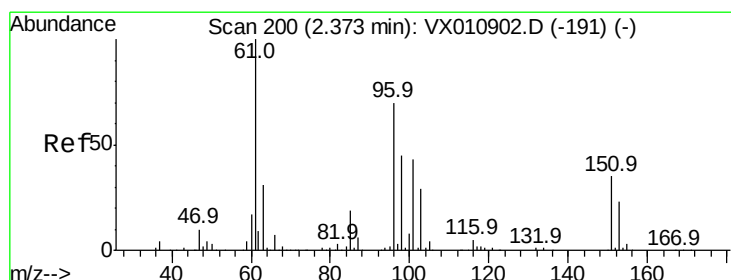
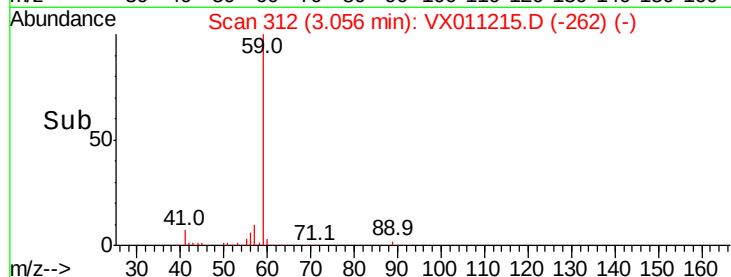
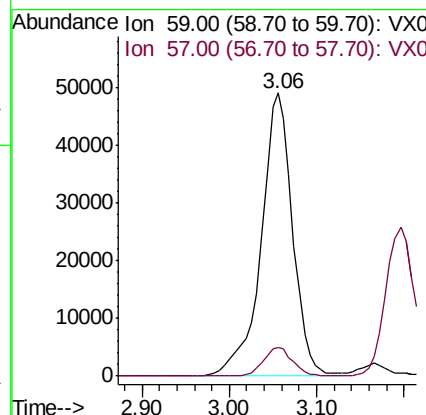
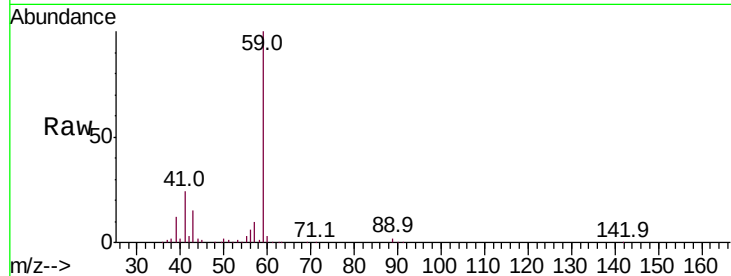
#11
Tert butyl alcohol
Concen: 262.713 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	122853
Ion Ratio	100	Lower	Upper
57	9.6	7.9	11.9

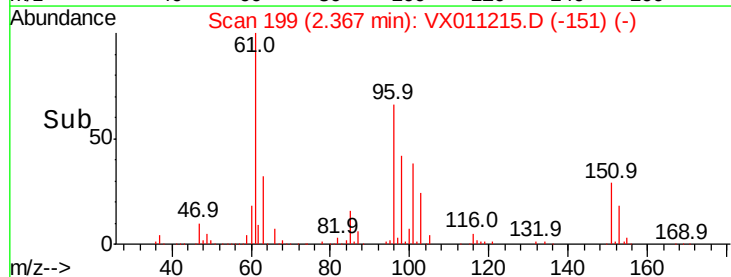
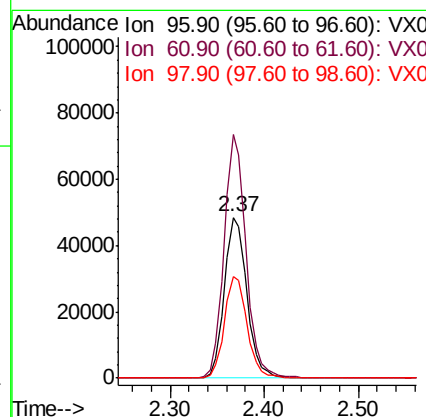
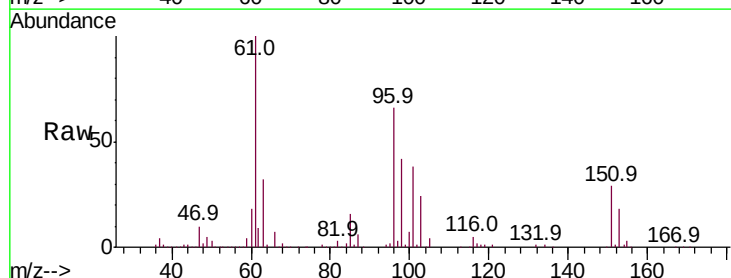
Manual Integrations
APPROVED

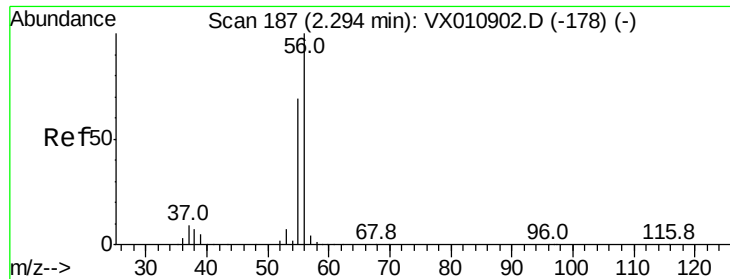
MMDadoda
7/31/2019 10:55:48 AM



#12
1,1-Dichloroethene
Concen: 48.002 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	96	Resp	80700
Ion Ratio	100	Lower	Upper
61	151.3	115.0	172.4
98	62.9	52.2	78.2





#13

Acrolein

Concen: 208.600 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 56360

Ion Ratio Lower Upper

56 100

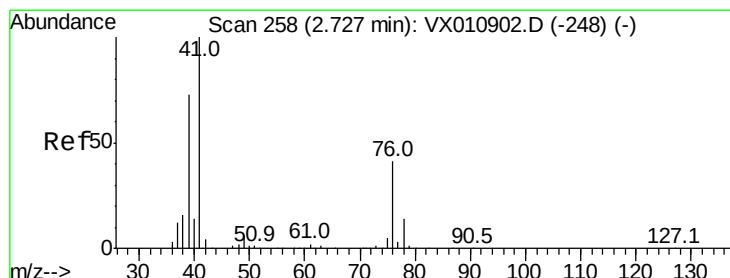
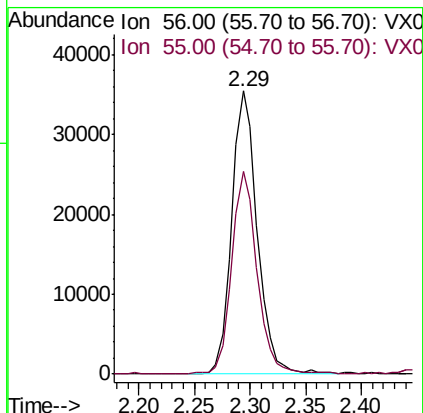
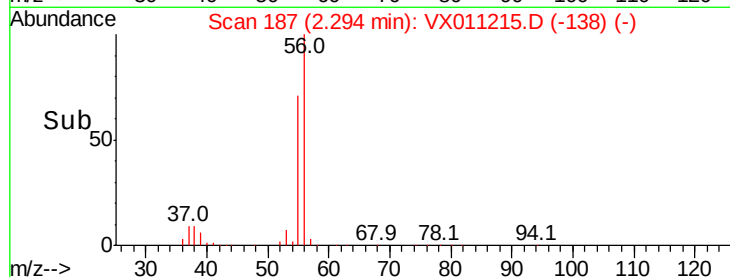
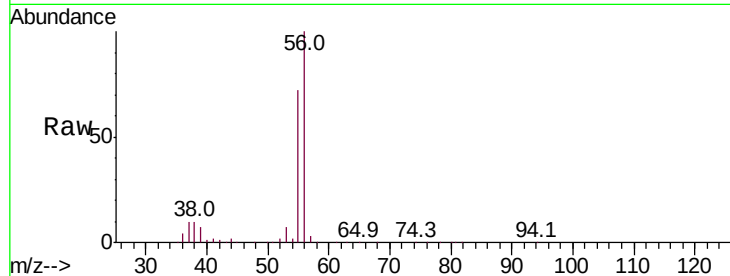
55 71.1 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

7/31/2019 10:55:48 AM



#14

Allyl chloride

Concen: 48.156 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

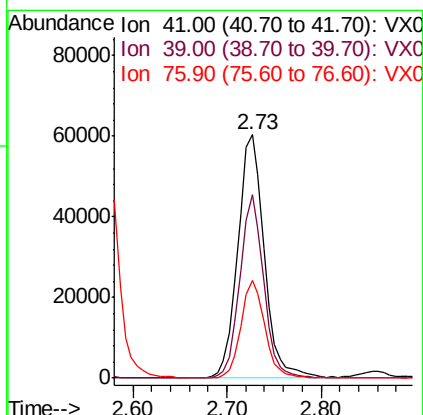
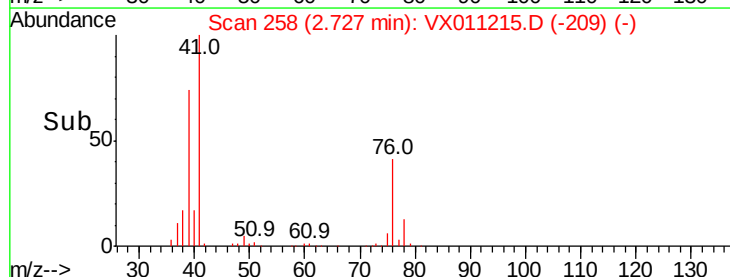
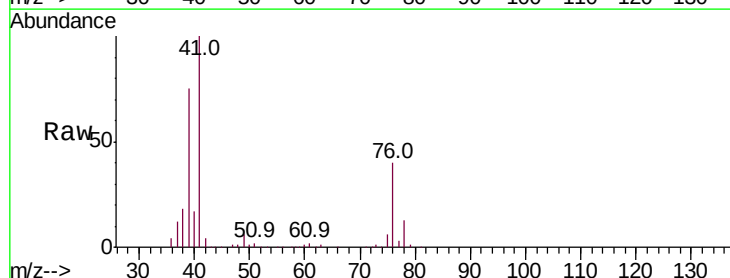
Tgt Ion: 41 Resp: 117597

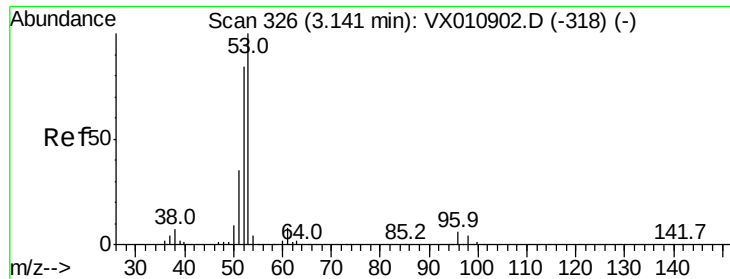
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 36.3 29.7 44.5





#15

Acrylonitrile

Concen: 262.477 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

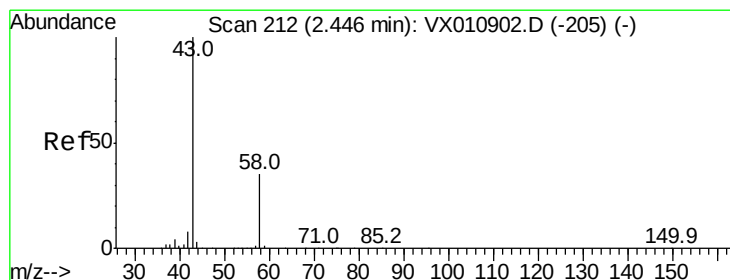
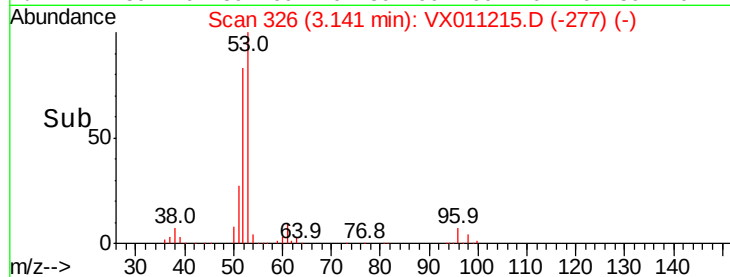
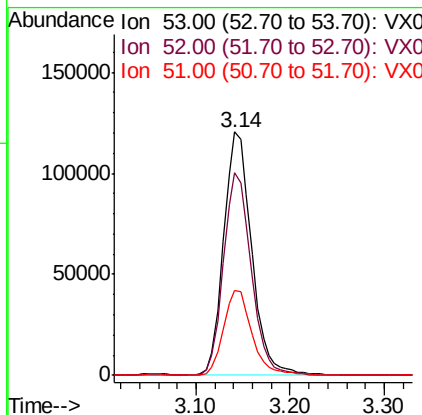
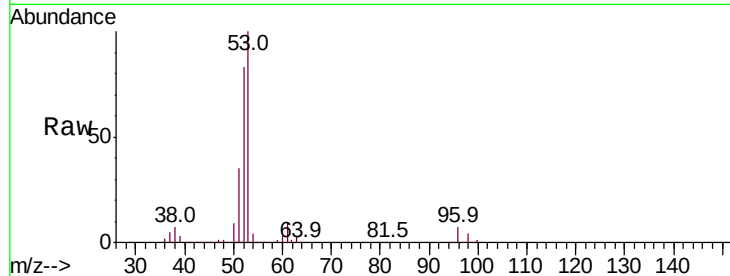
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	248025
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	35.8	28.2	42.4

Manual Integrations
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7/31/2019 10:55:48 AM



#16

Acetone

Concen: 232.106 ug/l

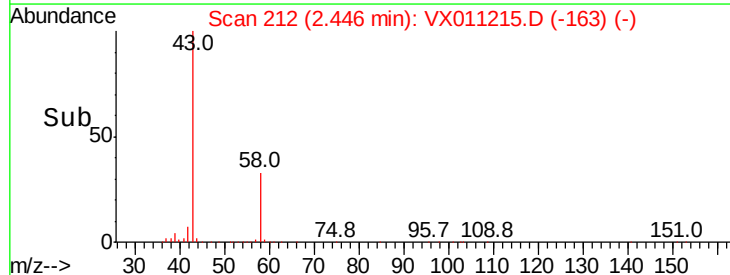
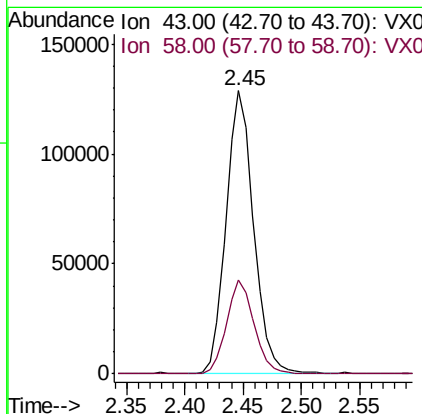
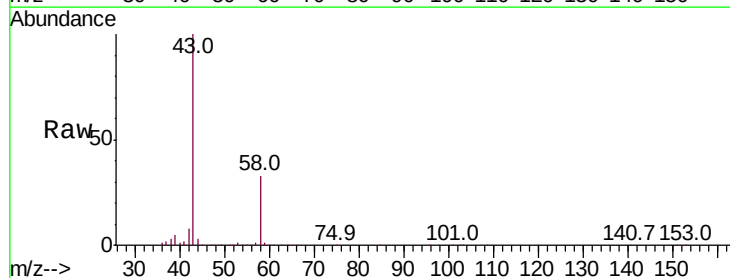
RT: 2.45 min Scan# 212

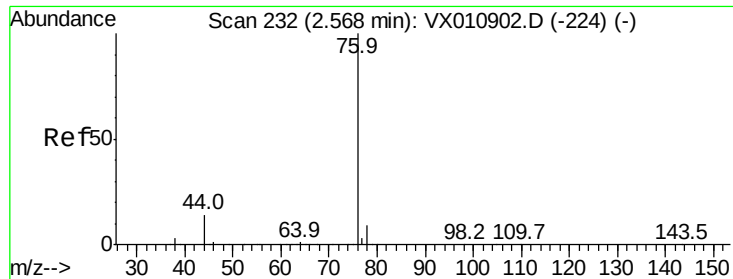
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion	43	Resp	210494
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.7	41.5





#17

Carbon Disulfide

Concen: 38.780 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 167237

Ion Ratio Lower Upper

76 100

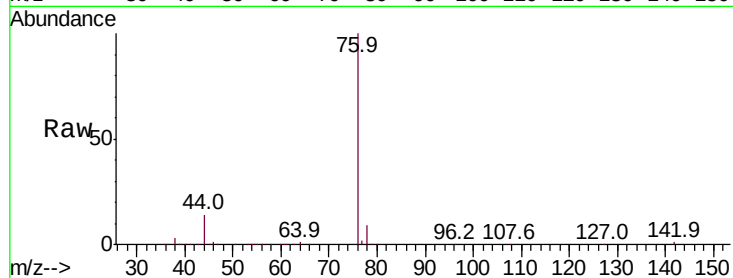
78 9.2 7.4 11.0

Manual Integrations

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7/31/2019 10:55:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

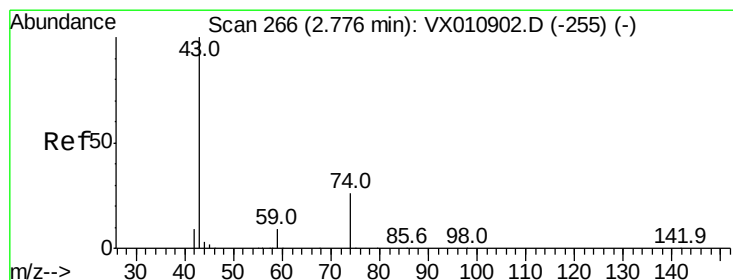
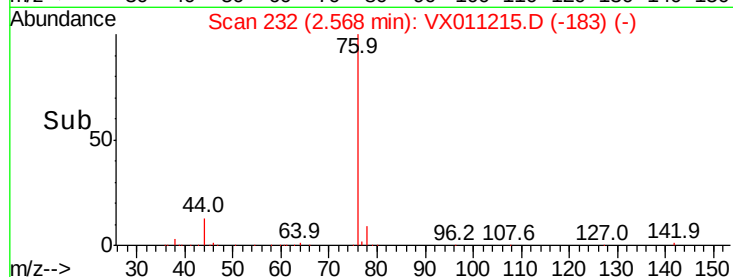
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 58.481 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX011215.D

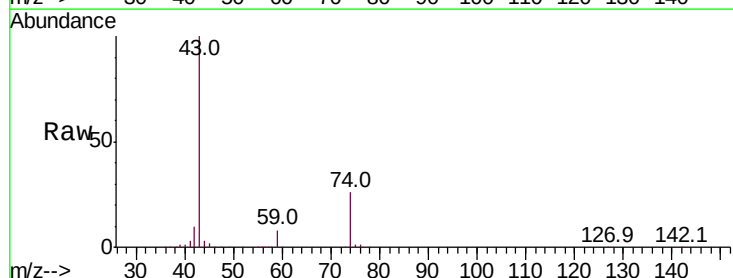
Acq: 30 Jul 2019 23:31

Tgt Ion: 43 Resp: 120763

Ion Ratio Lower Upper

43 100

74 26.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

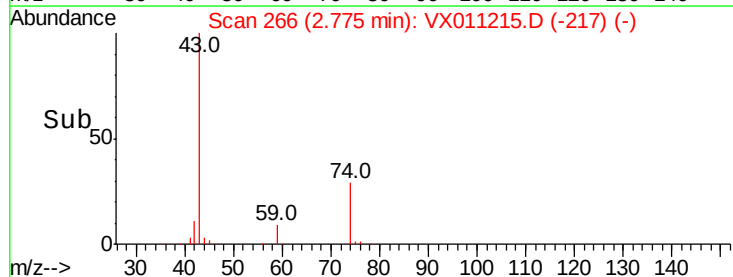
60000

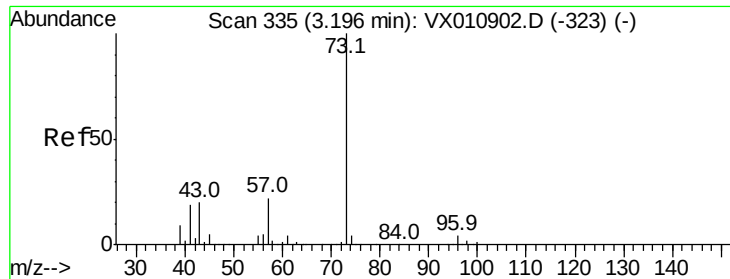
40000

20000

0

Time-->





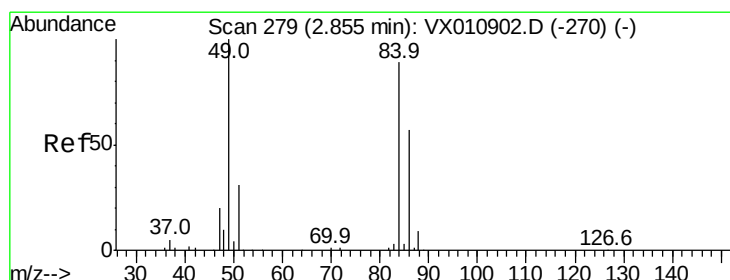
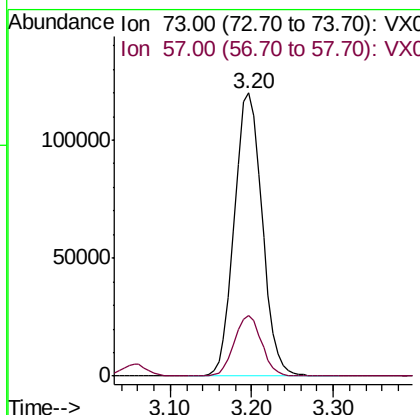
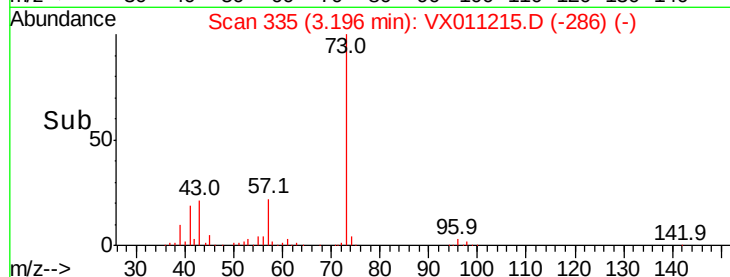
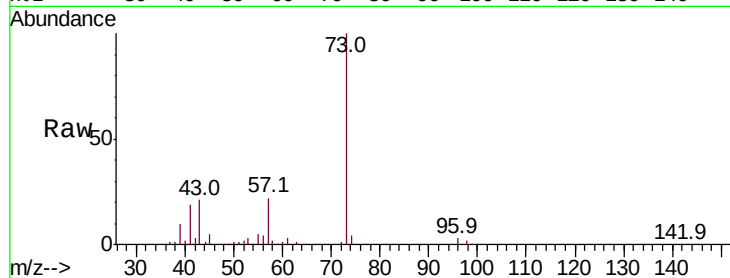
#19
Methyl tert-butyl Ether
Concen: 52.323 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.3	25.9

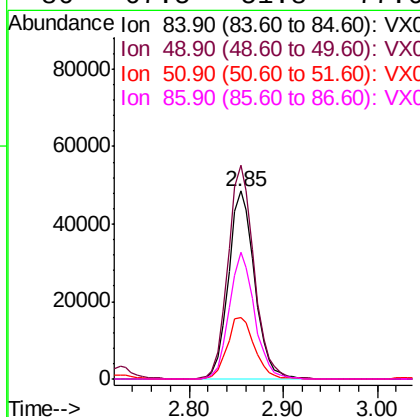
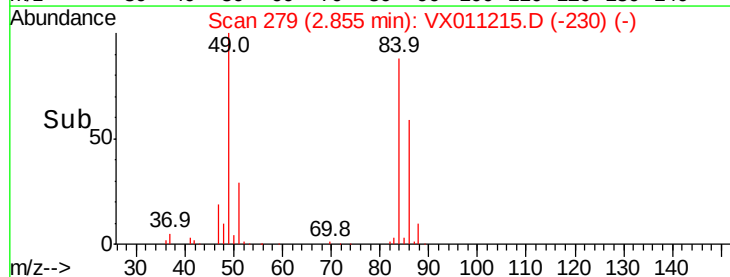
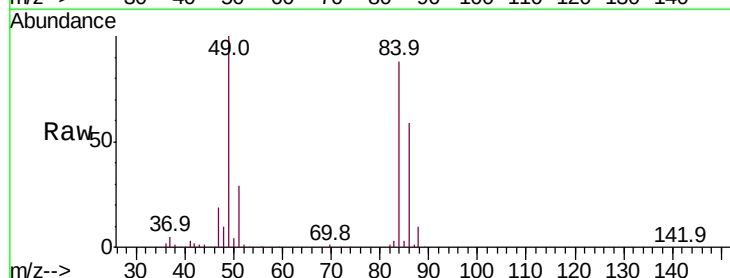
Manual Integrations
APPROVED

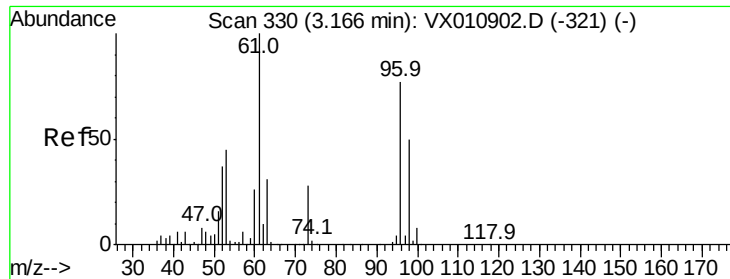
MMDadoda
7/31/2019 10:55:48 AM



#20
Methylene Chloride
Concen: 48.530 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.6	89.9	134.9
51	32.5	27.8	41.6
86	67.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 47.720 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 85125

Ion Ratio Lower Upper

96 100

61 123.5 104.2 156.2

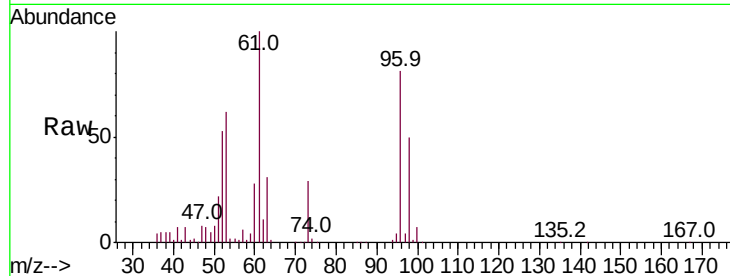
98 62.1 52.2 78.4

Manual Integrations

APPROVED

MMDadoda

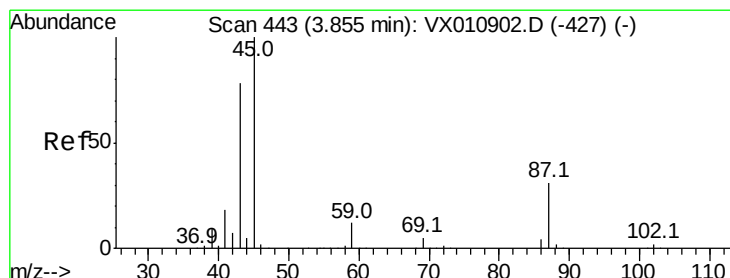
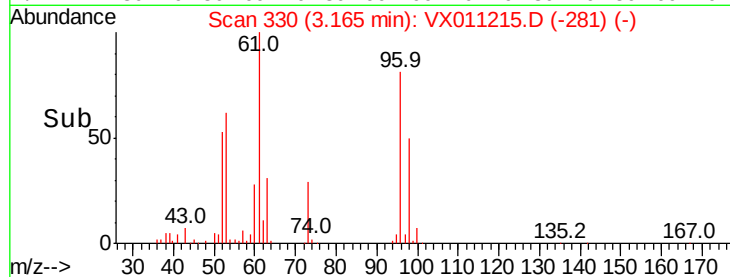
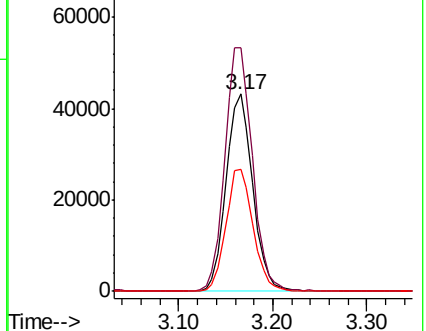
7/31/2019 10:55:48 AM



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: 52.078 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion: 45 Resp: 268221

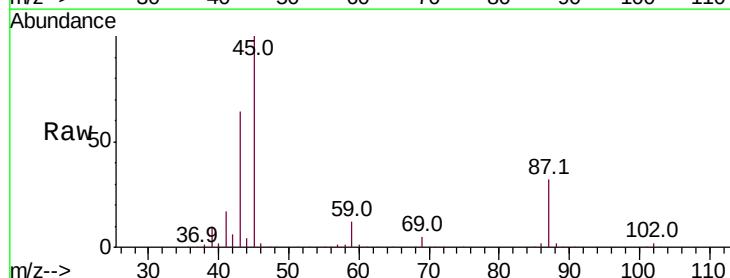
Ion Ratio Lower Upper

45 100

43 64.1 62.3 93.5

87 32.0 25.0 37.4

59 12.0 9.9 14.9

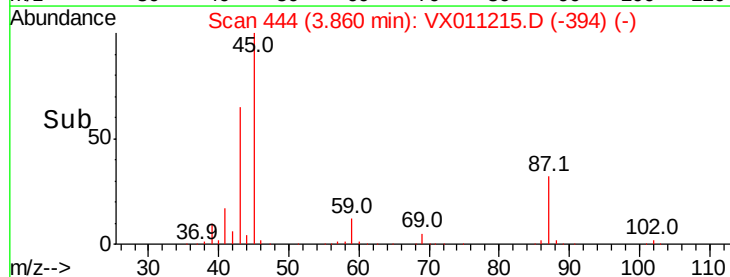
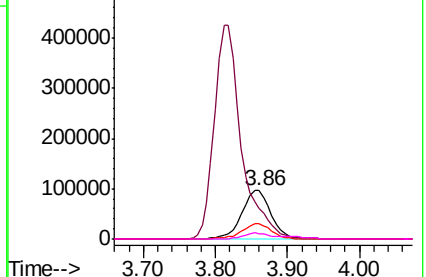


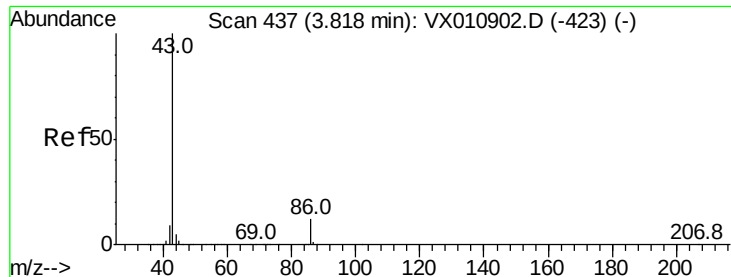
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 256.334 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1118602

Ion Ratio Lower Upper

43 100

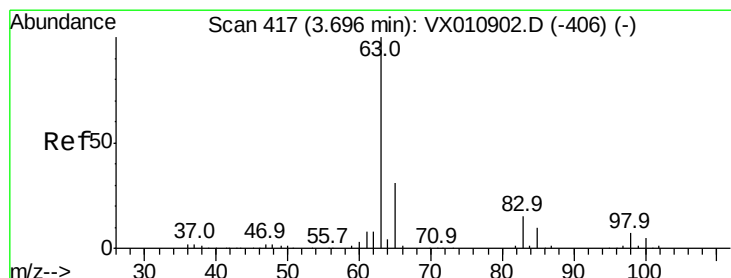
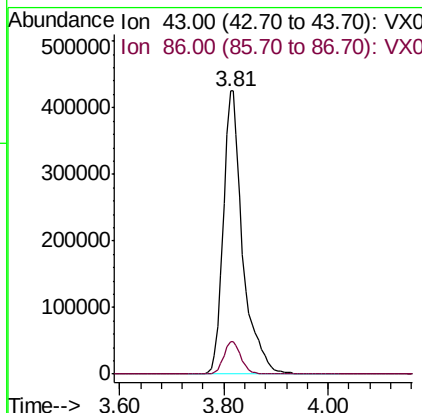
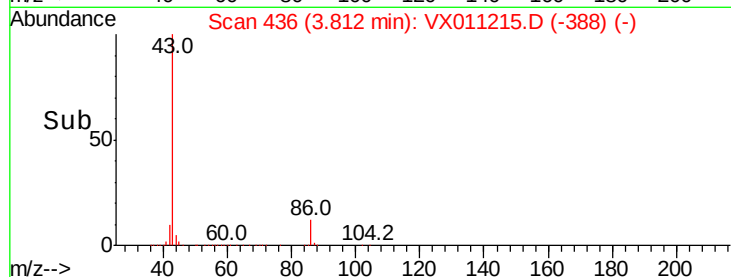
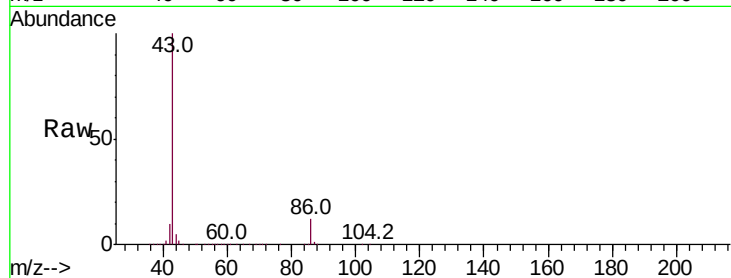
86 11.5 9.4 14.0

Manual Integrations

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MMDadoda

7/31/2019 10:55:48 AM



#24

1,1-Dichloroethane

Concen: 50.675 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

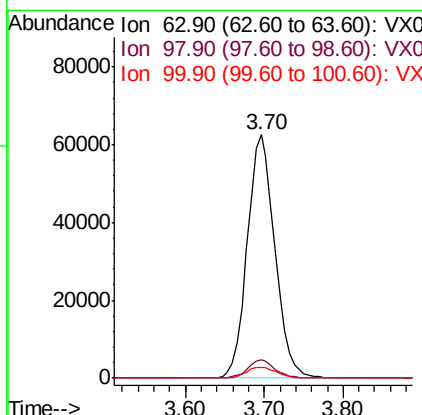
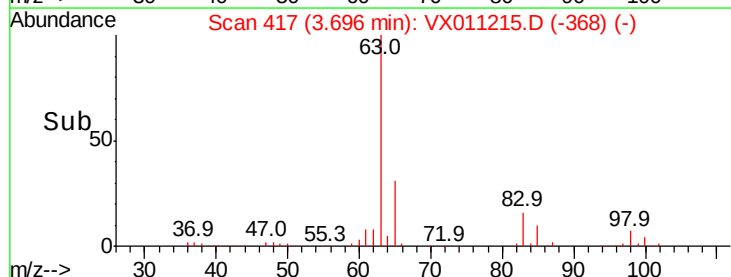
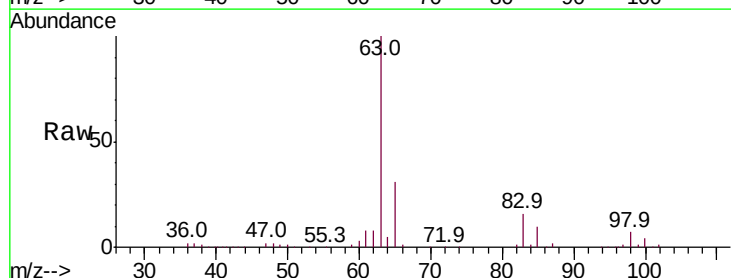
Tgt Ion: 63 Resp: 151572

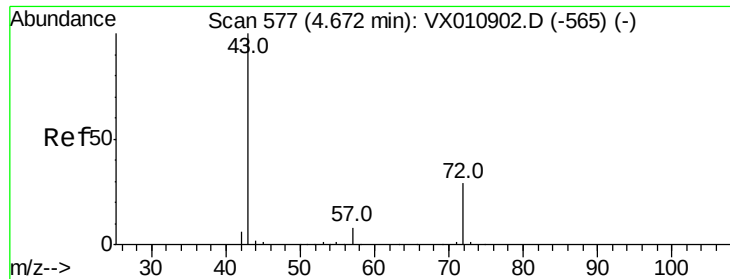
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 263.335 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 342816

Ion Ratio Lower Upper

43 100

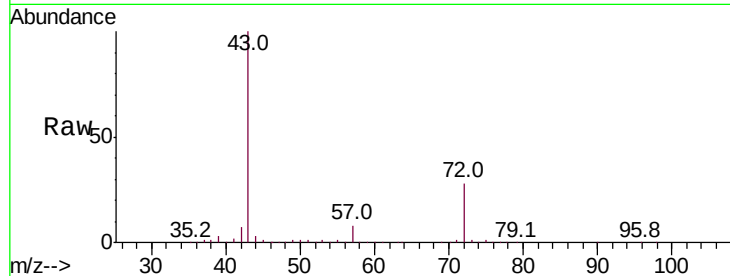
72 27.6 23.0 34.6

Manual Integrations

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MMDadoda

7/31/2019 10:55:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

100000

50000

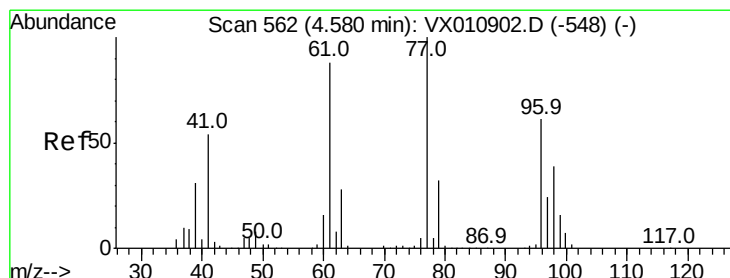
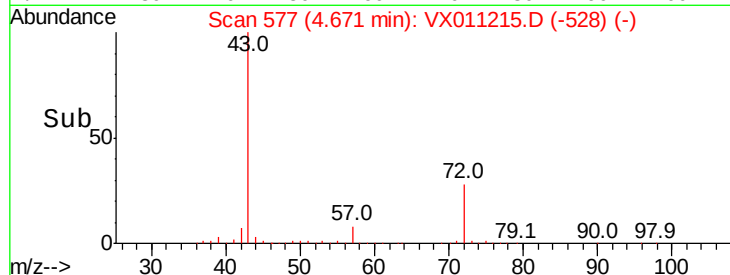
0

Time-->

4.60

4.70

4.80



#26

2,2-Dichloropropane

Concen: 38.924 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011215.D

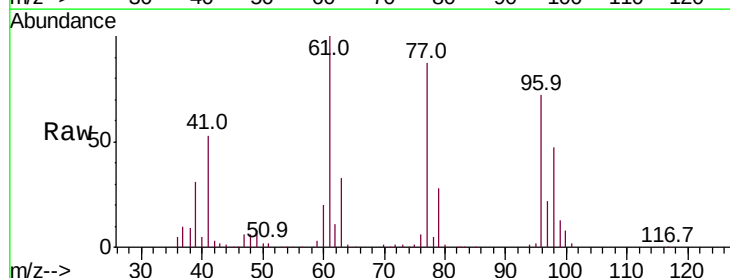
Acq: 30 Jul 2019 23:31

Tgt Ion: 77 Resp: 95595

Ion Ratio Lower Upper

77 100

97 25.7 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

30000

20000

10000

0

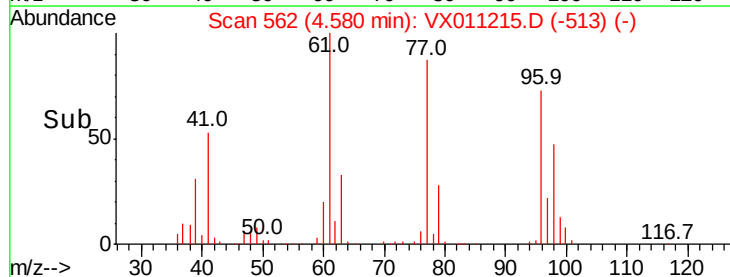
Time-->

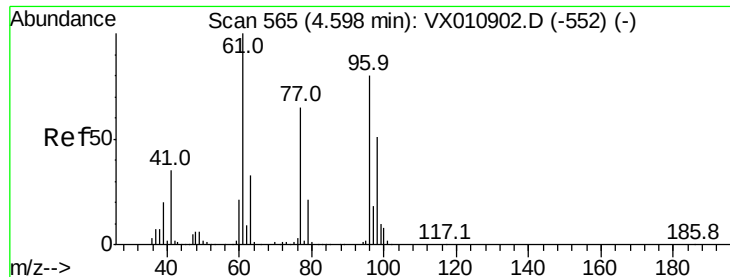
4.40

4.50

4.60

4.70





#27

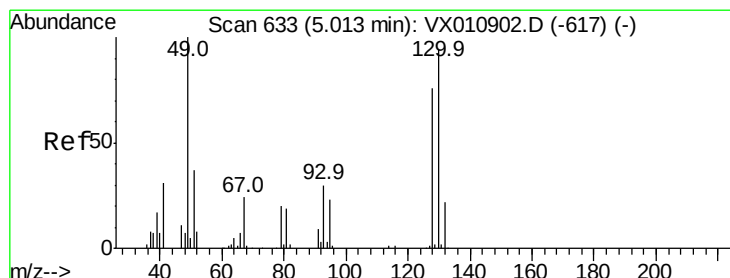
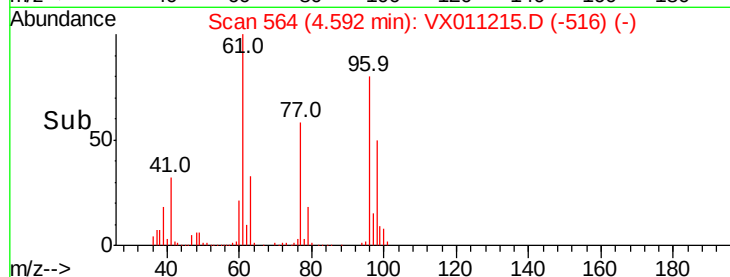
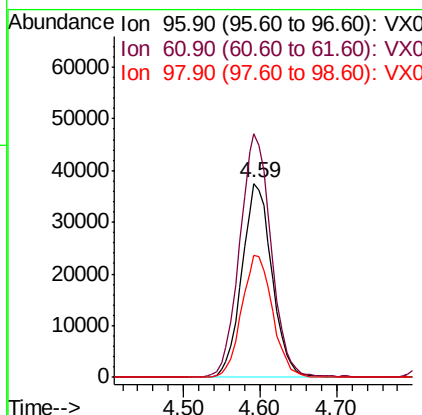
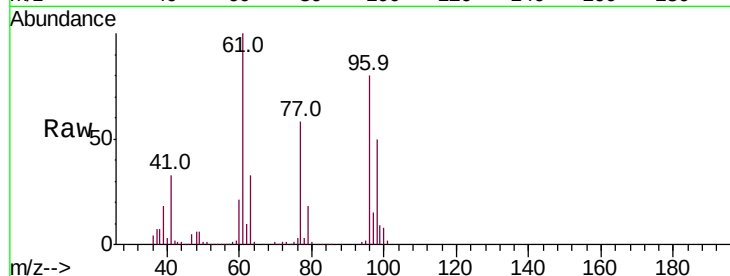
cis-1,2-Dichloroethene
Concen: 49.830 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.8	0.0	269.0	
98	64.5	0.0	131.4	

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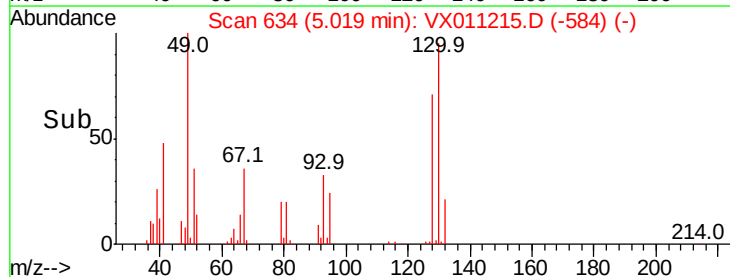
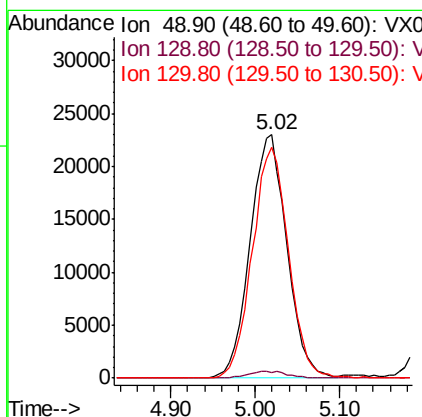
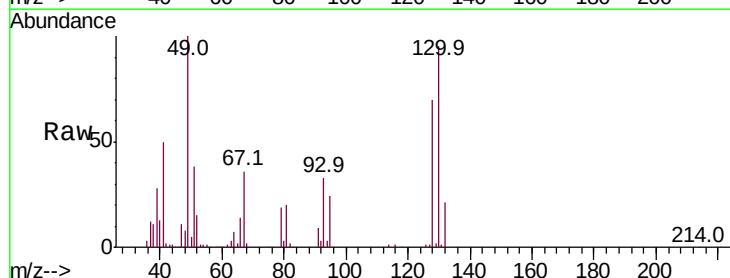
MMDadoda
7/31/2019 10:55:48 AM

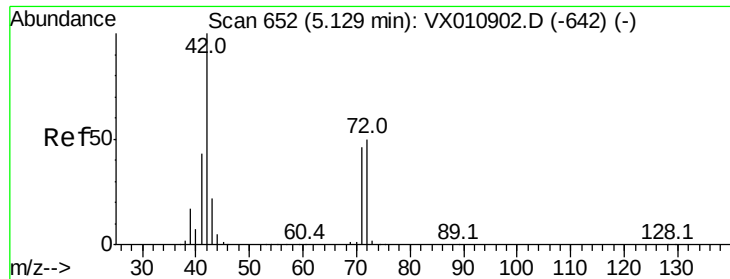


#28

Bromochloromethane
Concen: 48.631 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.9	0.0	5.2	
130	93.6	76.9	115.3	





#29

Tetrahydrofuran

Concen: 265.695 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

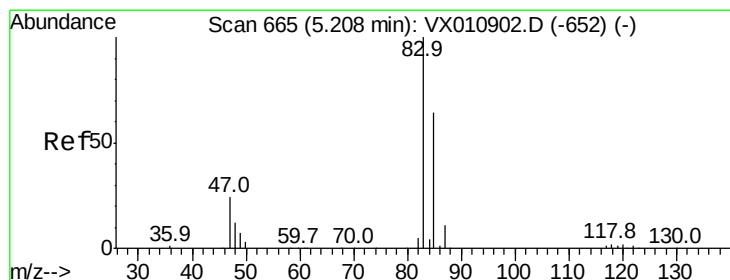
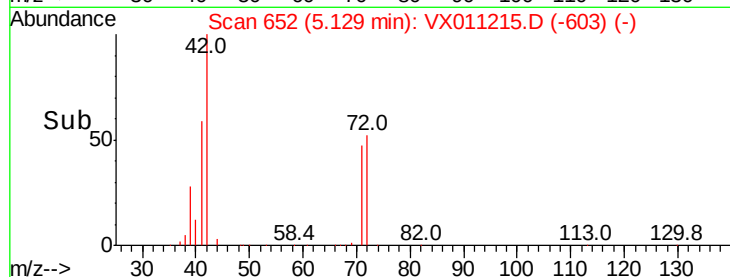
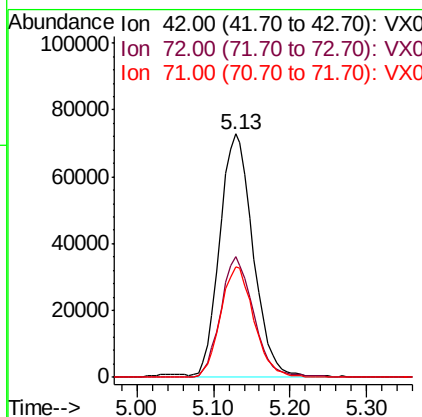
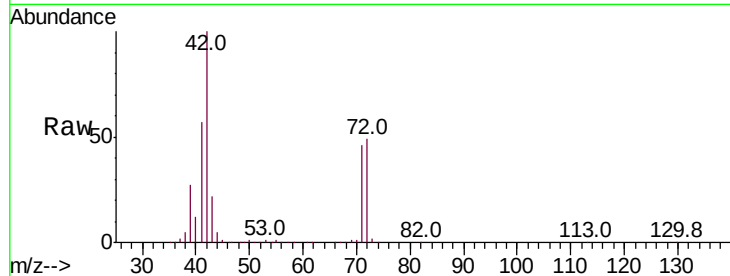
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.8	59.8
71	45.5	37.0	55.4

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#30

Chloroform

Concen: 51.797 ug/l

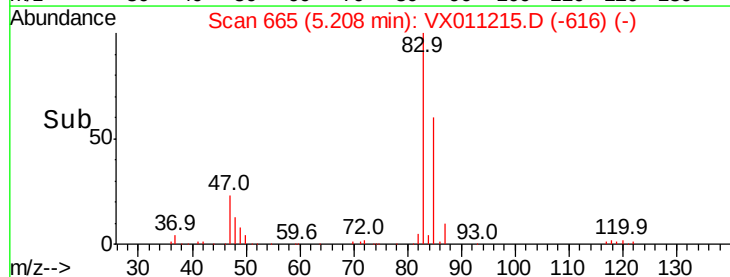
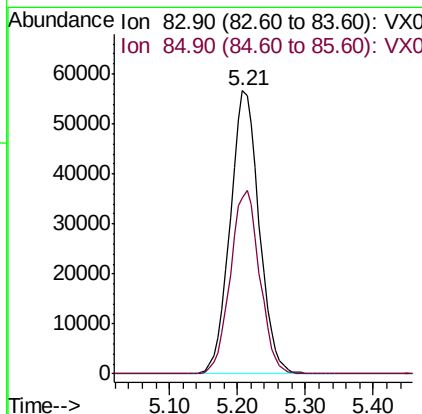
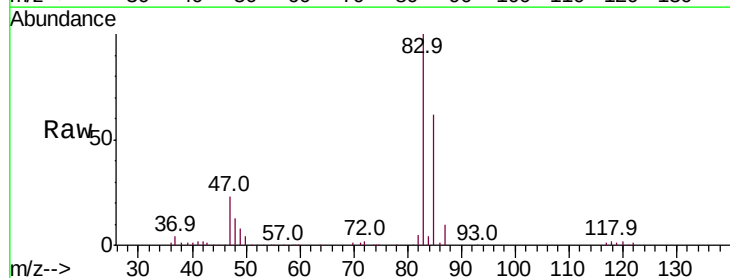
RT: 5.21 min Scan# 665

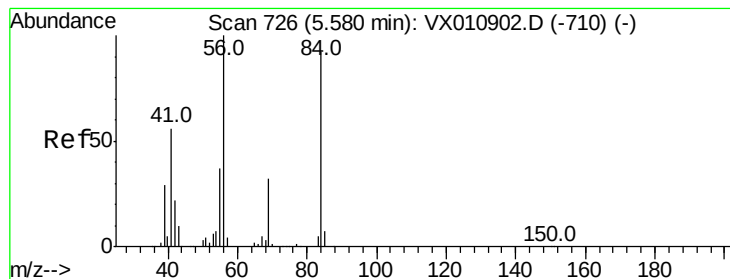
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.0





#31

Cyclohexane

Concen: 46.653 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

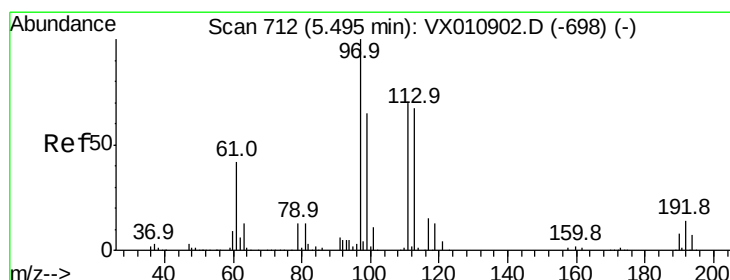
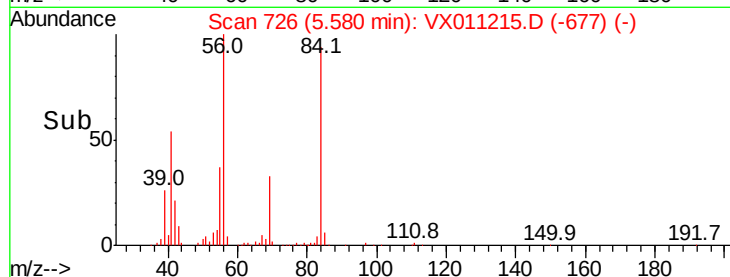
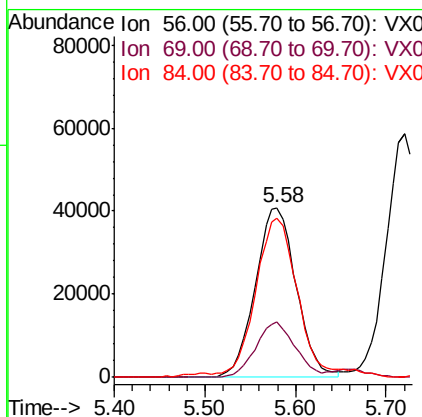
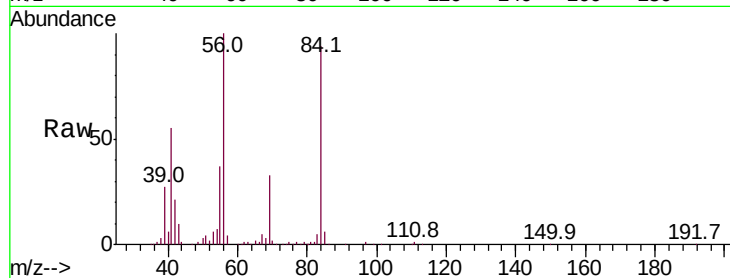
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	127191
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.8	38.8
84	92.4	73.8	110.6

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#32

1,1,1-Trichloroethane

Concen: 51.691 ug/l

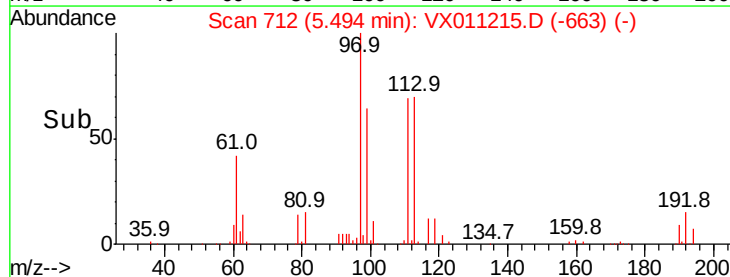
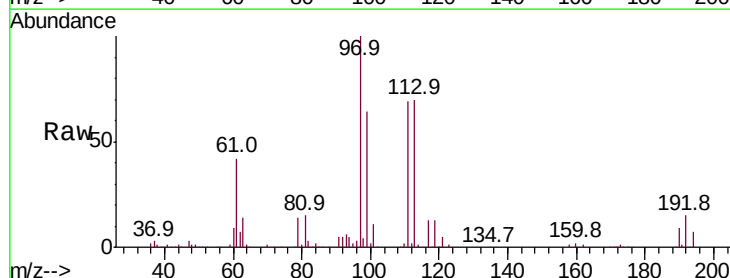
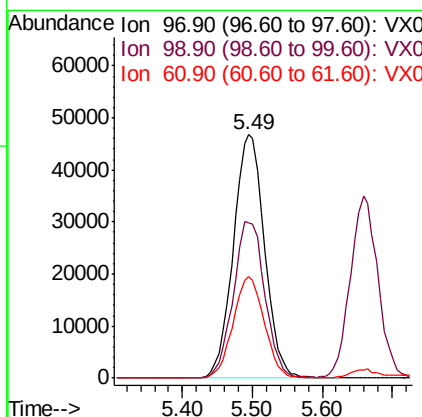
RT: 5.49 min Scan# 712

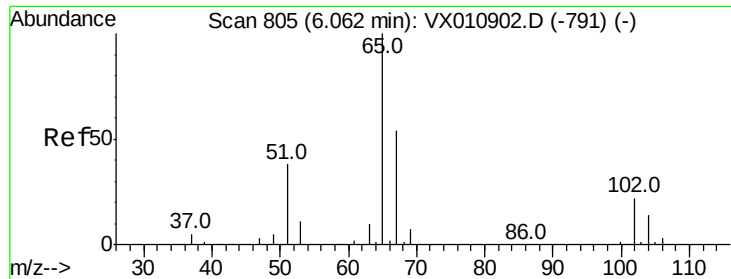
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	97	Resp:	144584
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.4	77.0
61	41.7	33.0	49.6





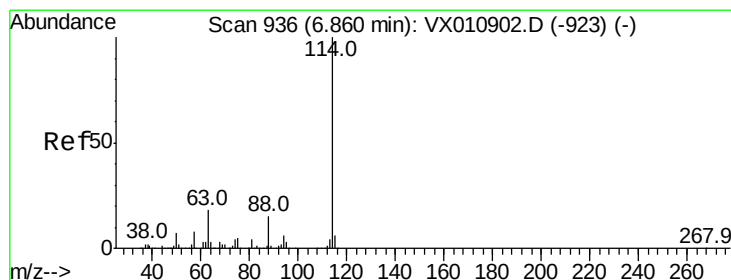
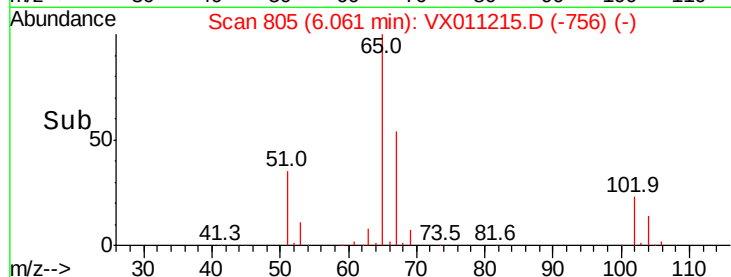
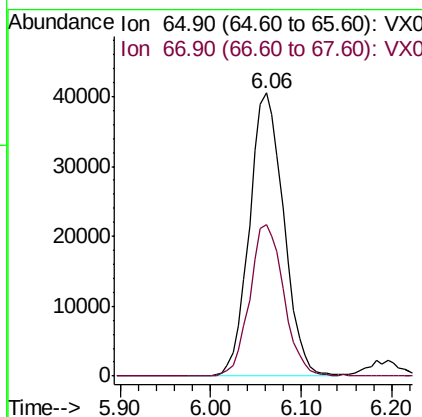
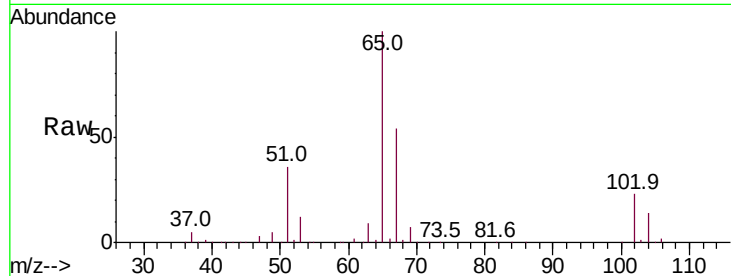
#33
 1,2-Dichloroethane-d4
 Concen: 52.853 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106126		
67	53.2	0.0	107.8	

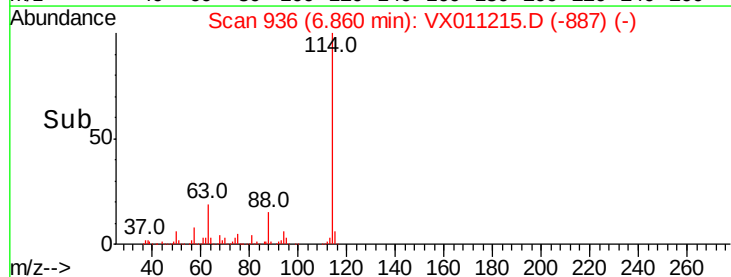
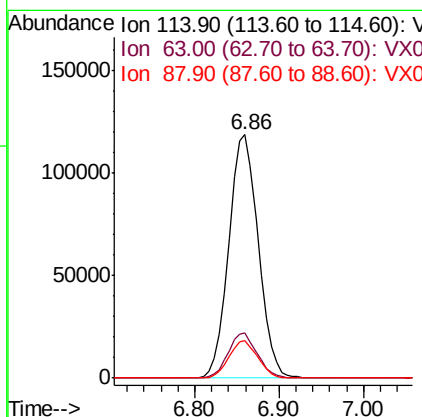
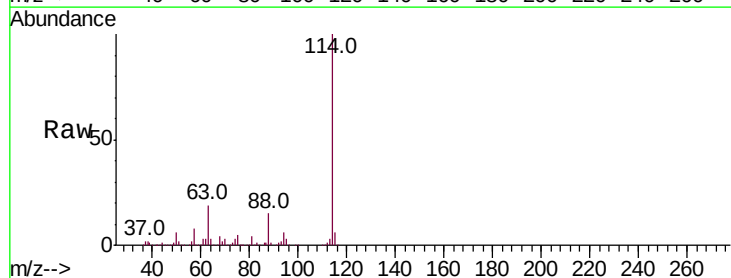
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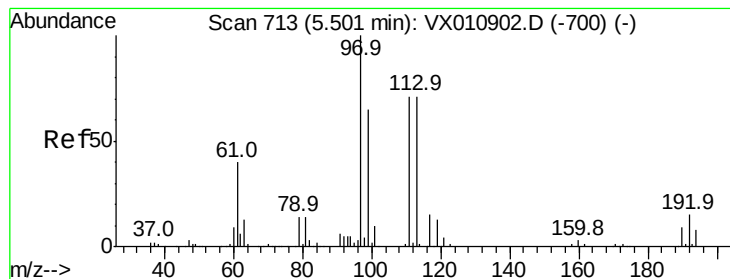
MMDadoda
 7/31/2019 10:55:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	281276		
63	18.7	0.0	35.6	
88	15.3	0.0	29.8	





#35

Dibromofluoromethane

Concen: 53.235 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 95041

Ion Ratio Lower Upper

113 100

111 101.3 82.3 123.5

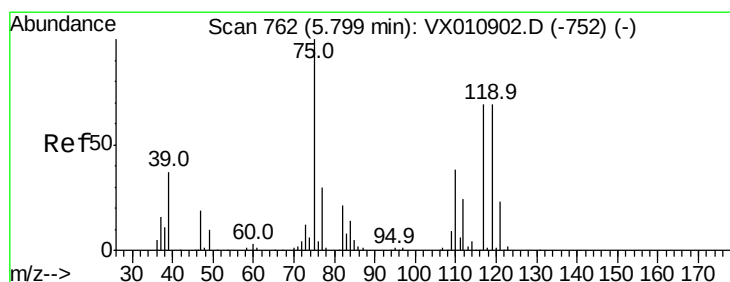
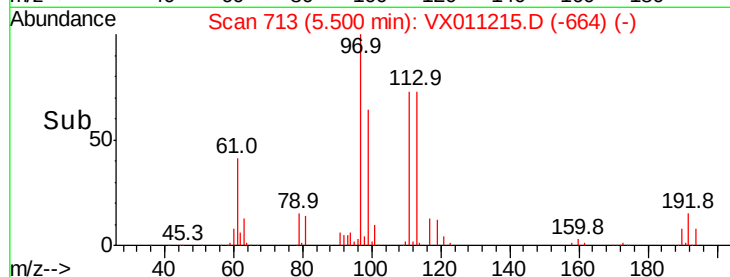
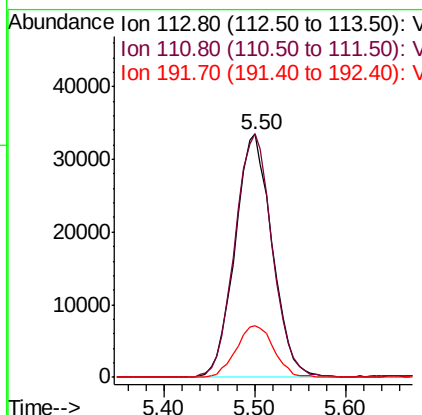
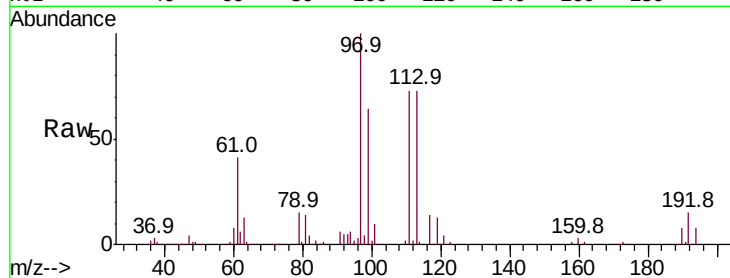
192 21.6 17.4 26.2

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#36

1,1-Dichloropropene

Concen: 50.002 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

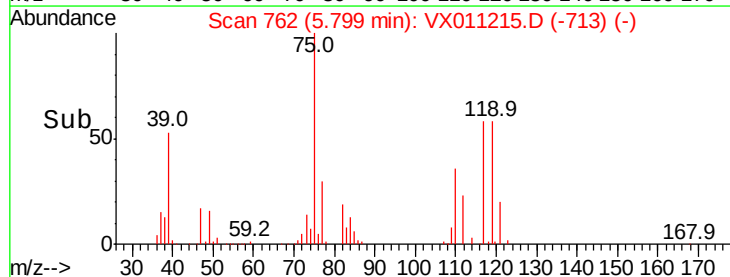
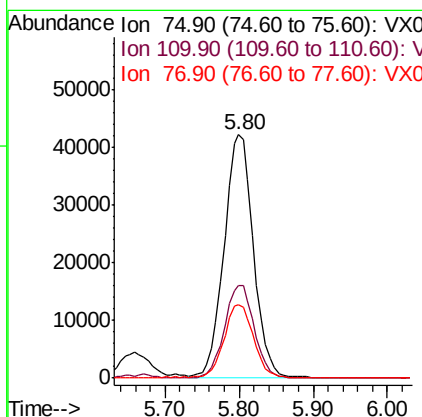
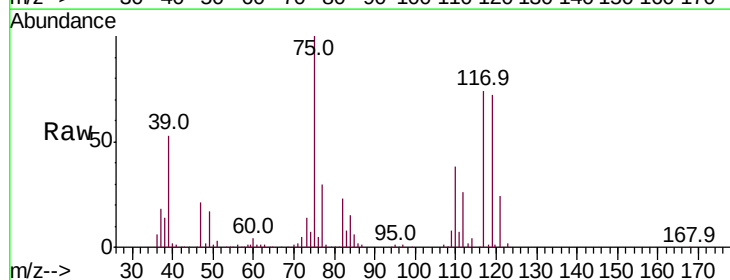
Tgt Ion: 75 Resp: 115525

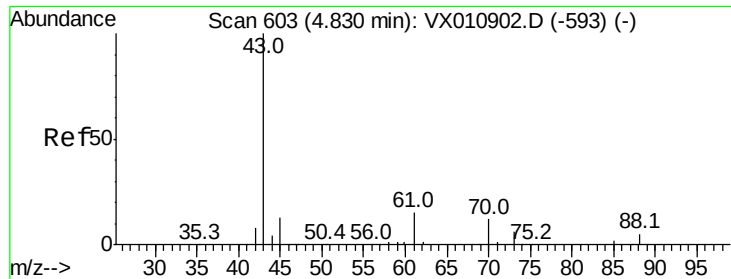
Ion Ratio Lower Upper

75 100

110 38.7 19.9 59.7

77 30.6 25.0 37.4





#37

Ethyl Acetate

Concen: 53.635 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

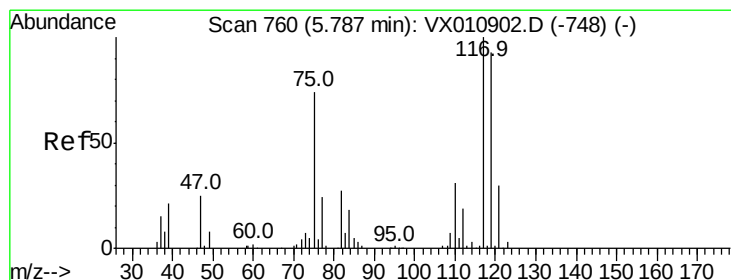
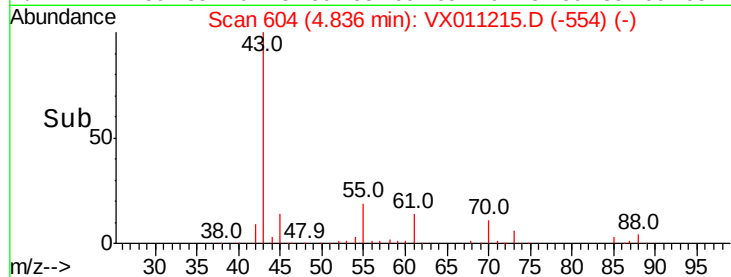
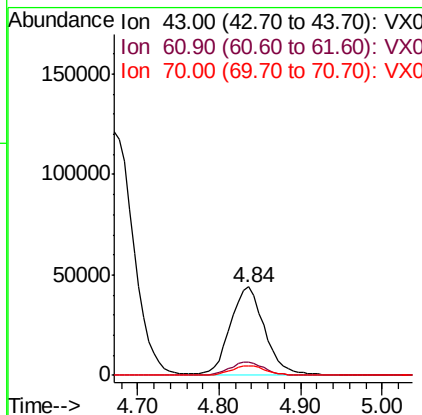
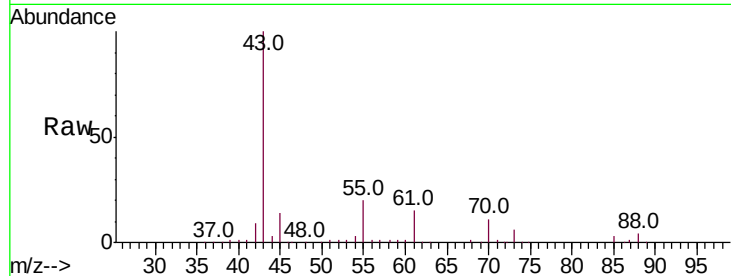
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	126891
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.6	17.4
70	11.2	9.1	13.7

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#38

Carbon Tetrachloride

Concen: 51.644 ug/l

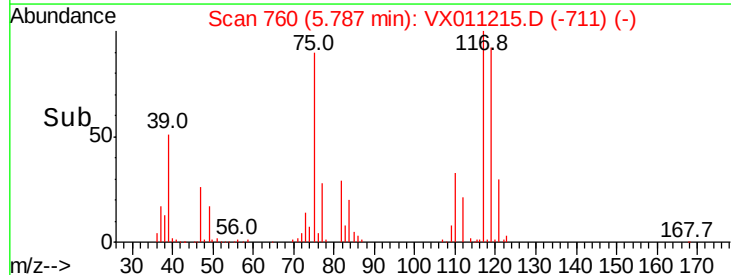
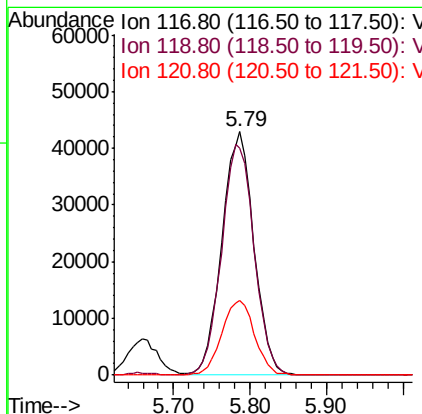
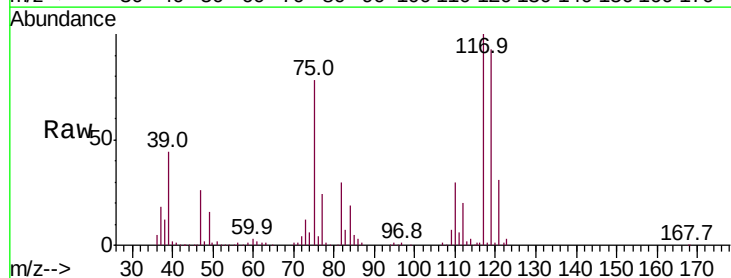
RT: 5.79 min Scan# 760

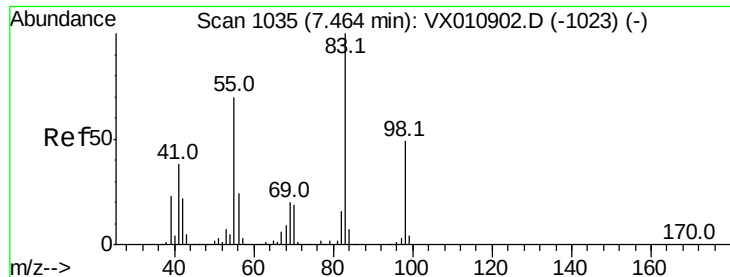
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	117	Resp:	124336
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.2	111.2
121	30.5	24.2	36.2





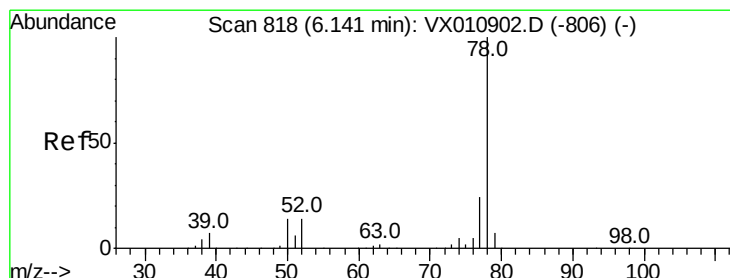
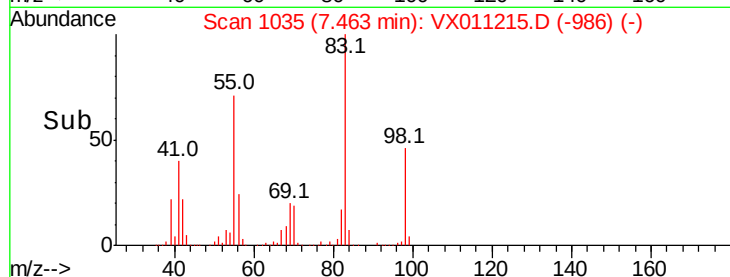
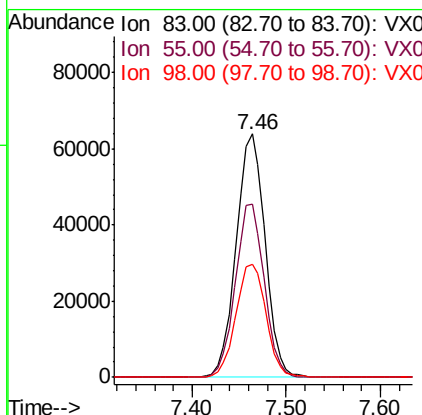
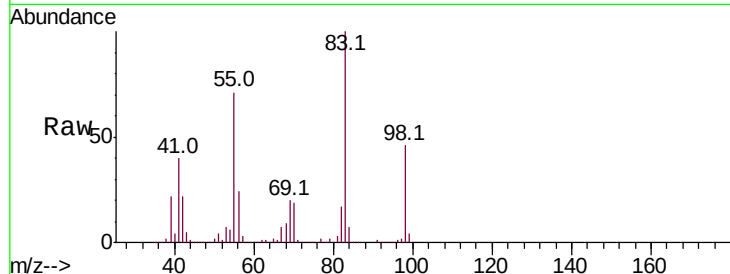
#39
Methylvlcyclohexane
Concen: 45.721 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	56.2	84.4
98	46.3	39.0	58.4

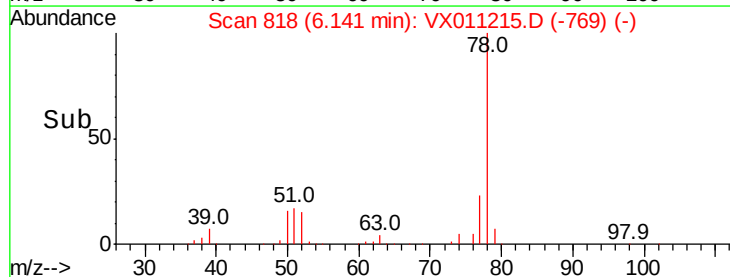
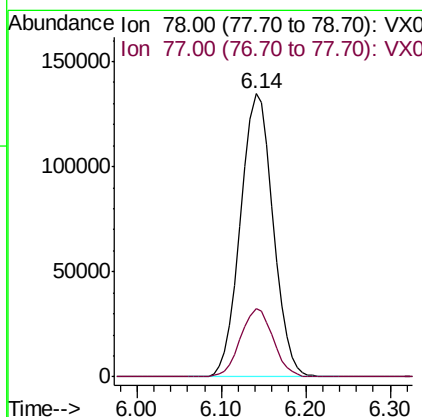
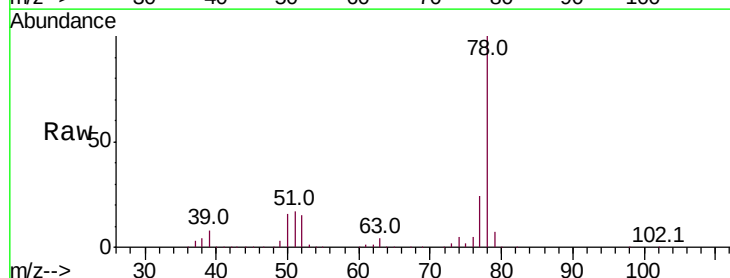
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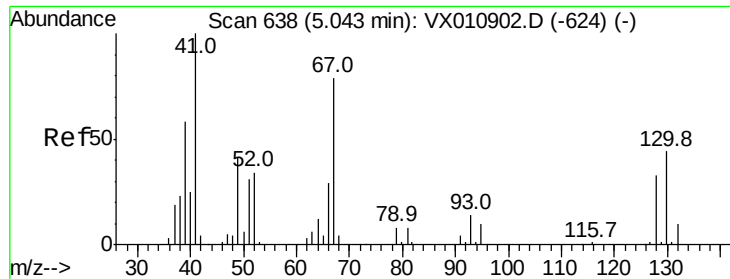
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#40
Benzene
Concen: 49.825 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





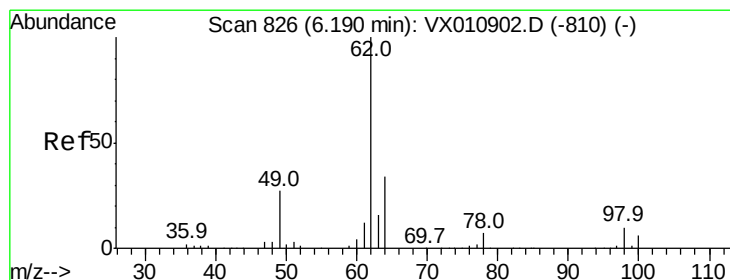
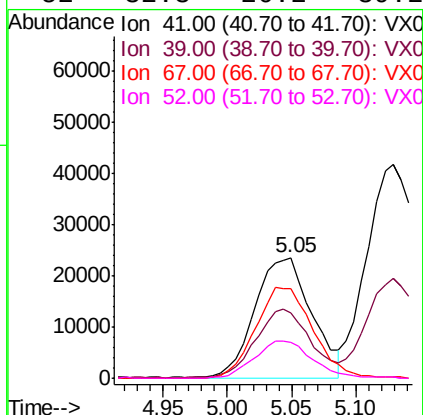
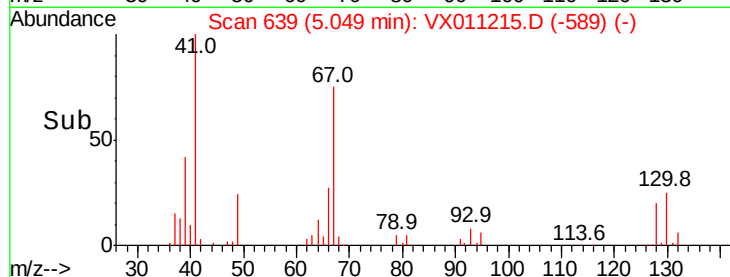
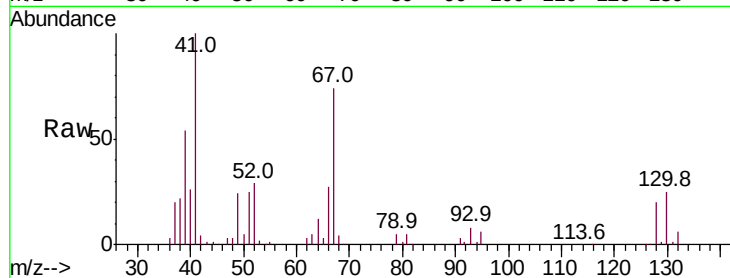
#41
Methacrylonitrile
Concen: 53.357 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.4	68.2
67	76.6	65.9	98.9
52	32.3	26.2	39.2

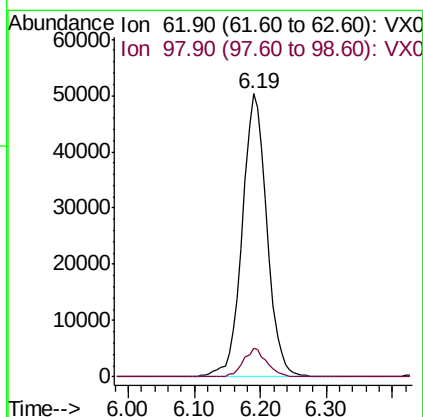
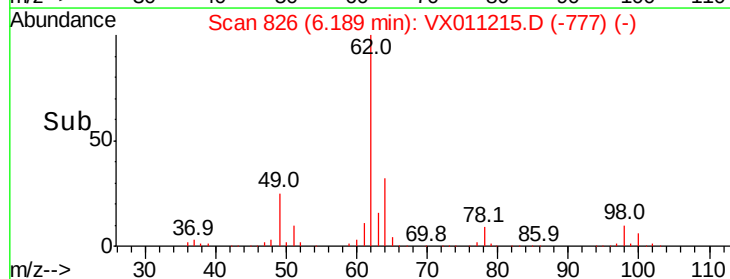
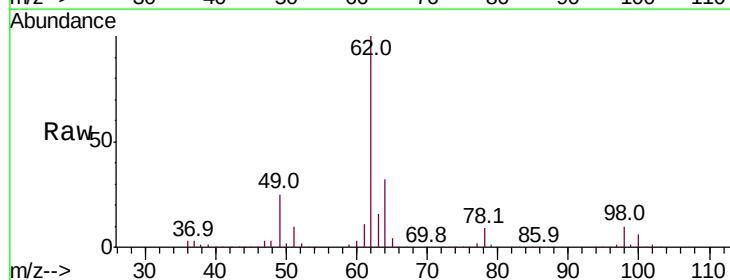
Manual Integrations
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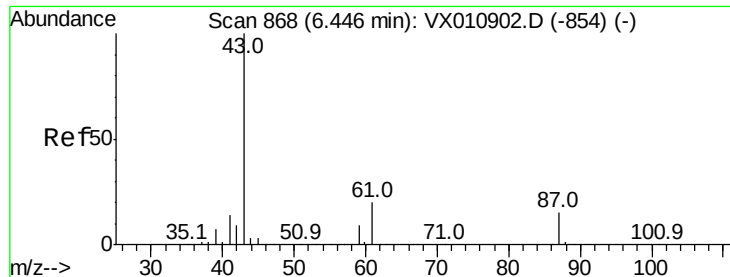
MMDadoda
7/31/2019 10:55:48 AM



#42
1,2-Dichloroethane
Concen: 53.117 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 53.009 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

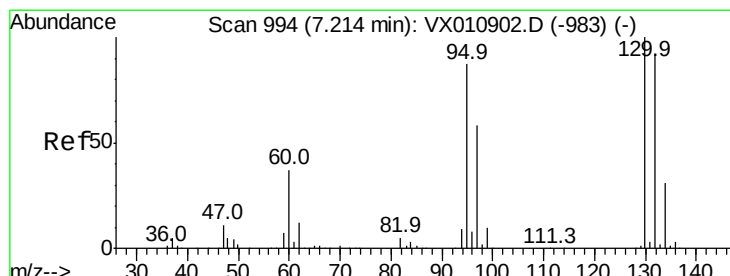
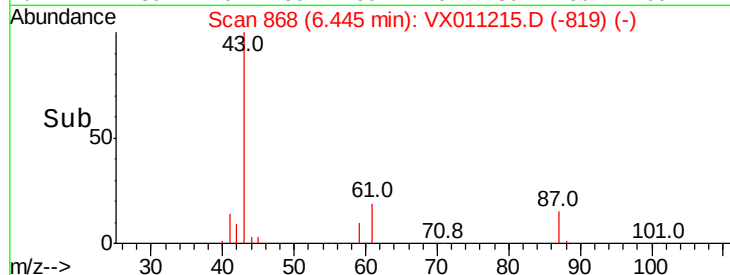
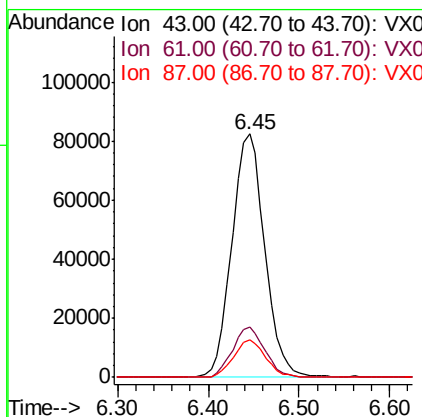
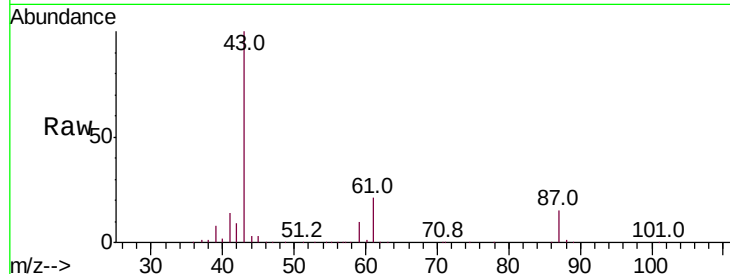
ClientSampled :

VSTDCCC050

Tot Ion	43	Resp	206212
Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.1	25.7
87	15.1	12.0	18.0

Manual Integrations
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7/31/2019 10:55:48 AM



#44

Trichloroethene

Concen: 49.444 ug/l

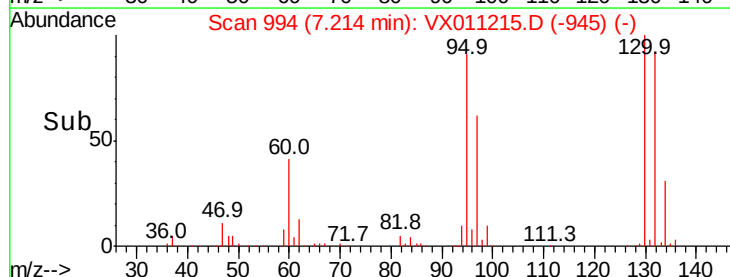
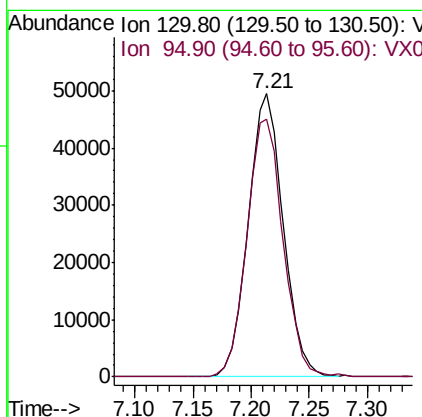
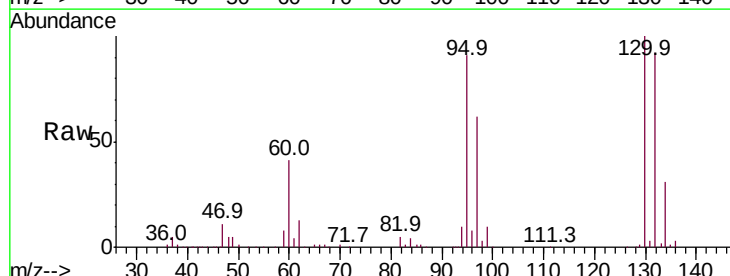
RT: 7.21 min Scan# 994

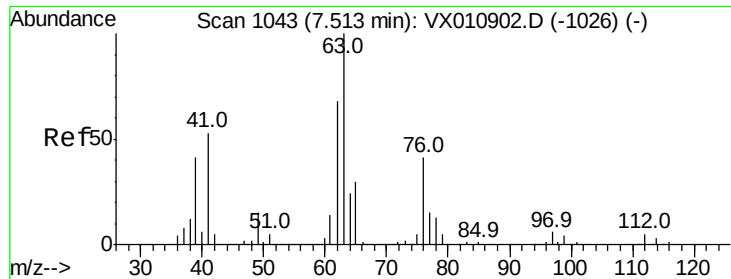
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion	130	Resp	103580
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	174.8





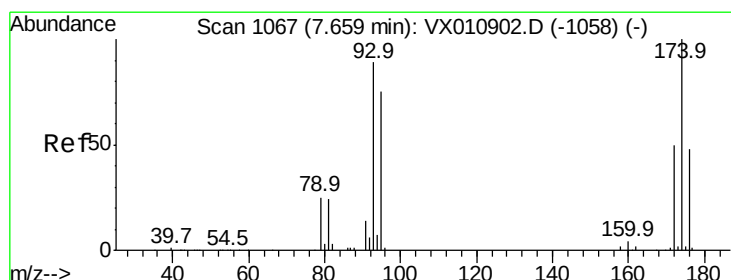
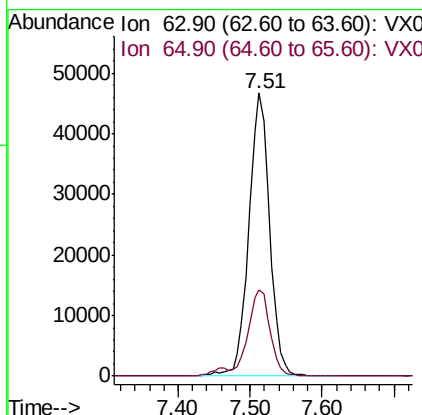
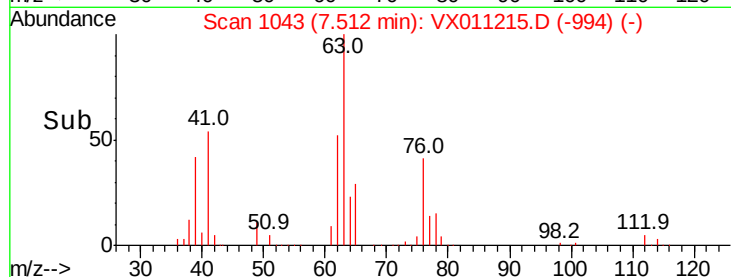
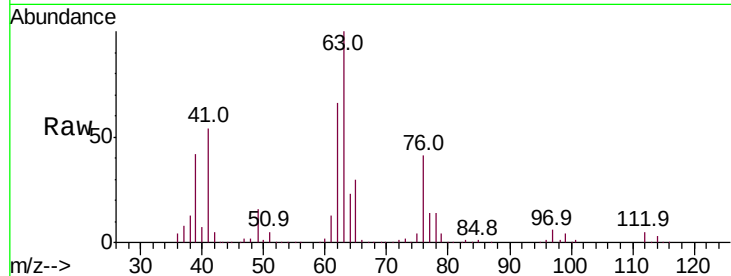
#45
 1,2-Dichloropropane
 Concen: 52.038 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion: 63 Resp: 93737
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

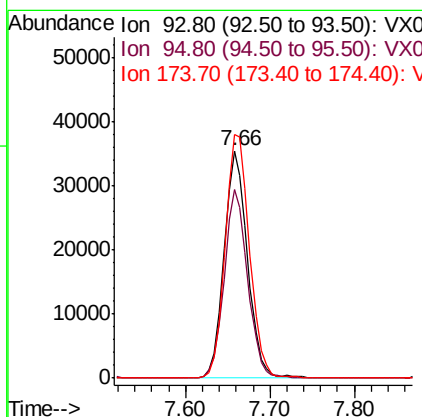
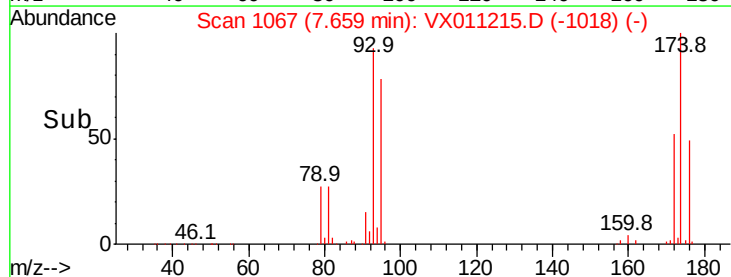
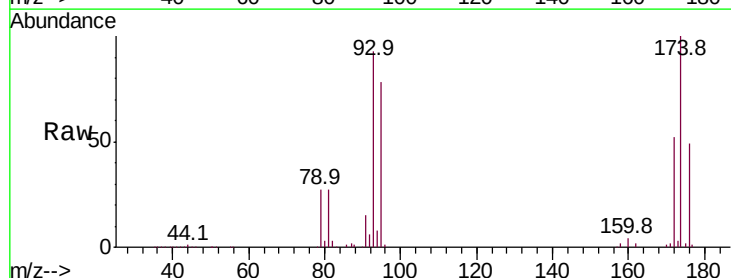
Manual Integrations
 APPROVED

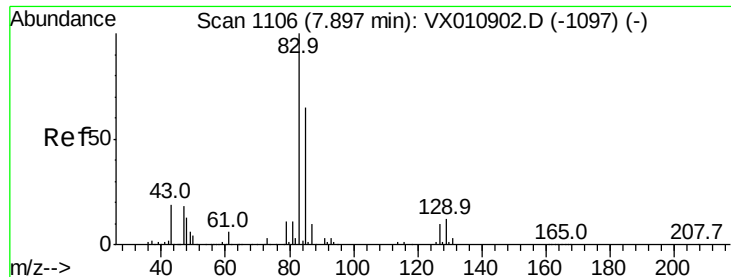
MMDadoda
 7/31/2019 10:55:48 AM



#46
 Dibromomethane
 Concen: 52.355 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion: 93 Resp: 67389
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 111.0 90.6 135.8





#47

Bromodichloromethane

Concen: 53.819 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

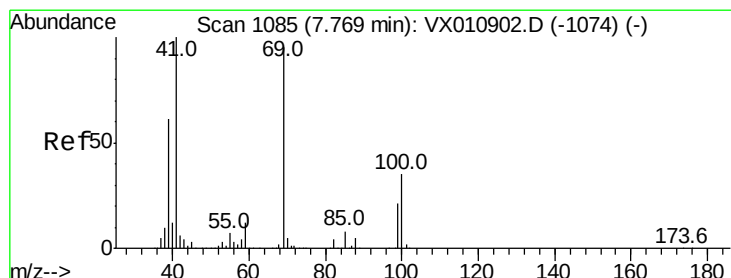
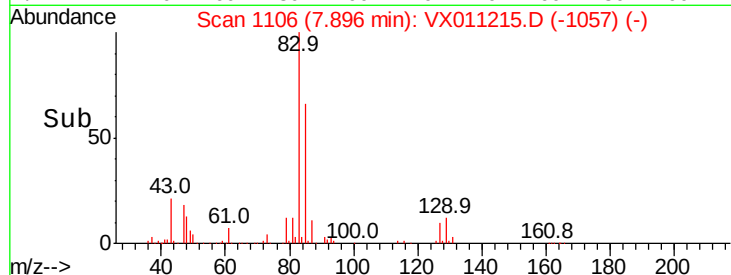
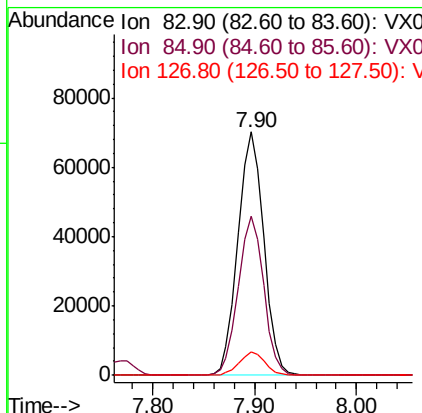
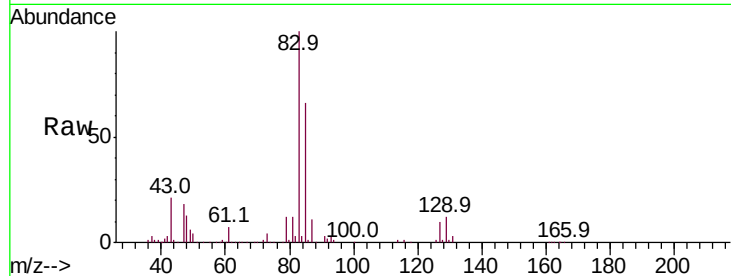
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123313
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7
127	9.7	7.8	11.8

Manual Integrations
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MMDadoda
7/31/2019 10:55:48 AM



#48

Methyl methacrylate

Concen: 53.641 ug/l

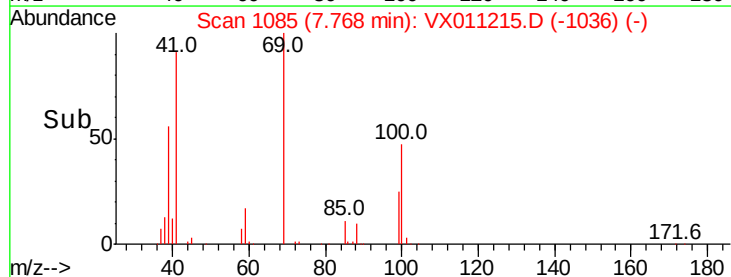
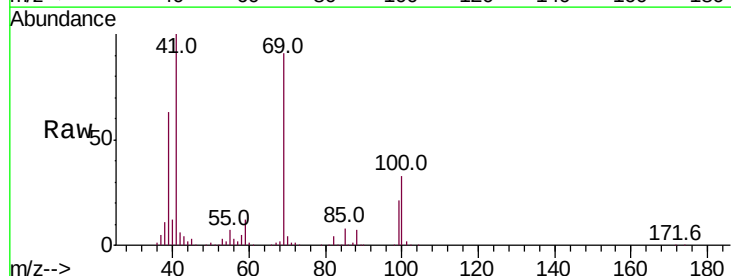
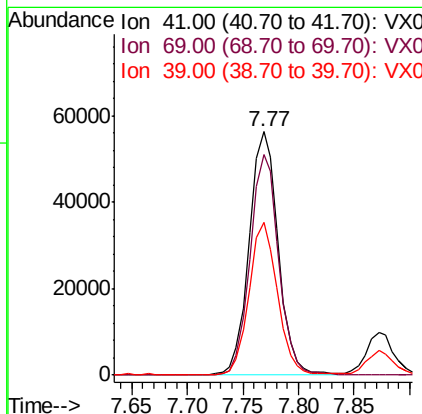
RT: 7.77 min Scan# 1085

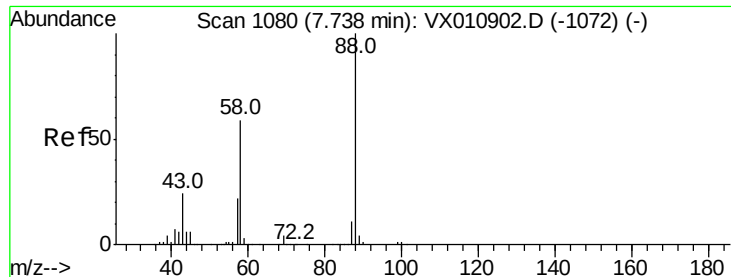
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	41	Resp:	101654
Ion	Ratio	Lower	Upper
41	100		
69	90.1	74.4	111.6
39	61.4	48.9	73.3





#49

1,4-Dioxane

Concen: 1034.646 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

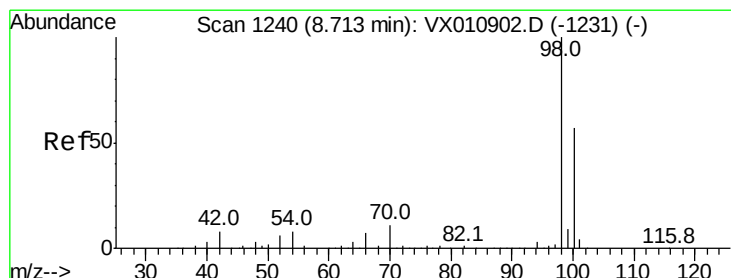
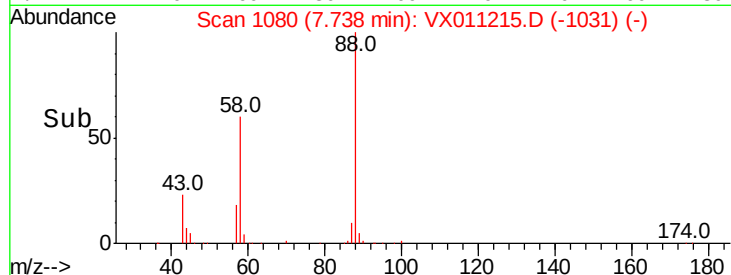
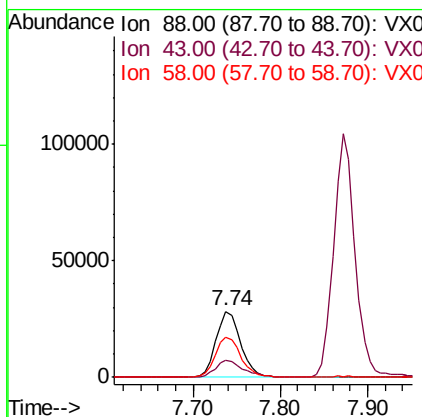
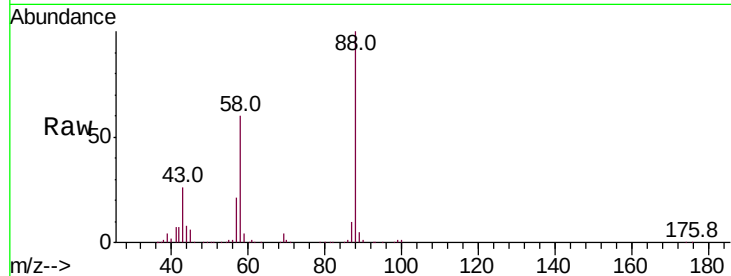
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	54846
Ion	Ratio	Lower	Upper
88	100		
43	29.4	22.9	34.3
58	64.0	49.8	74.8

Manual Integrations
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7/31/2019 10:55:48 AM



#50

Toluene-d8

Concen: 52.394 ug/l

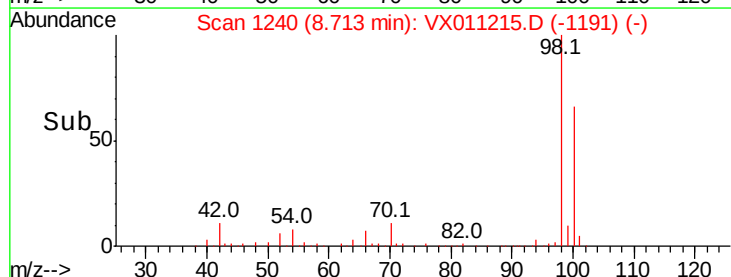
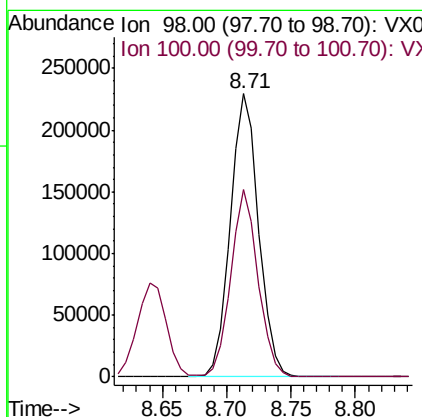
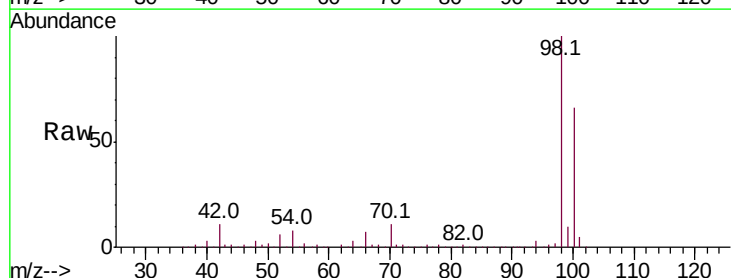
RT: 8.71 min Scan# 1240

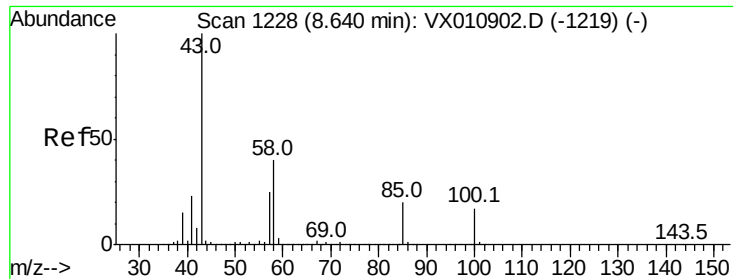
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	98	Resp:	350832
Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 282.380 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 712083

Ion Ratio Lower Upper

43 100

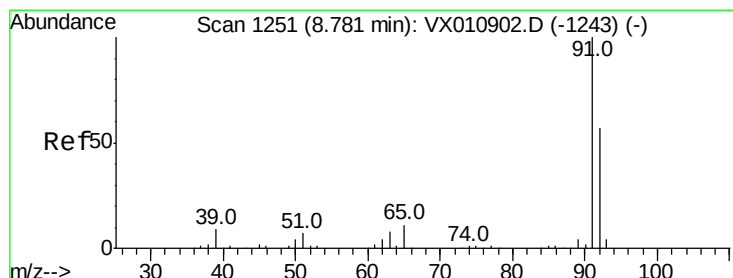
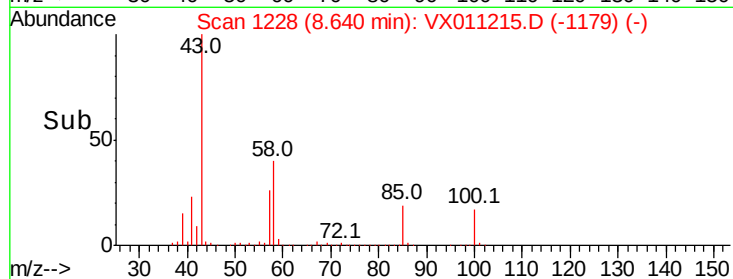
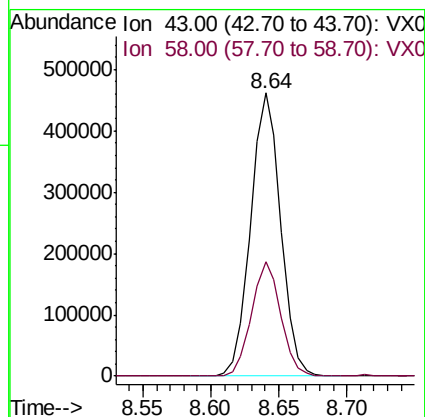
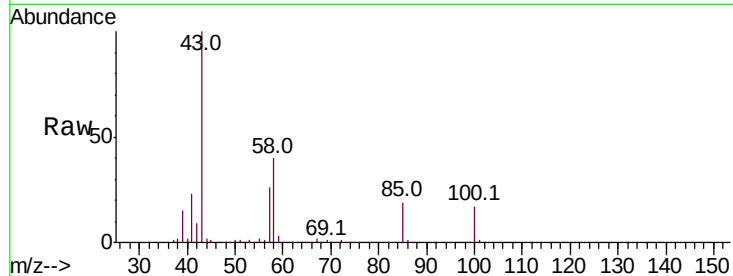
58 39.7 32.2 48.4

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7/31/2019 10:55:48 AM



#52

Toluene

Concen: 50.308 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011215.D

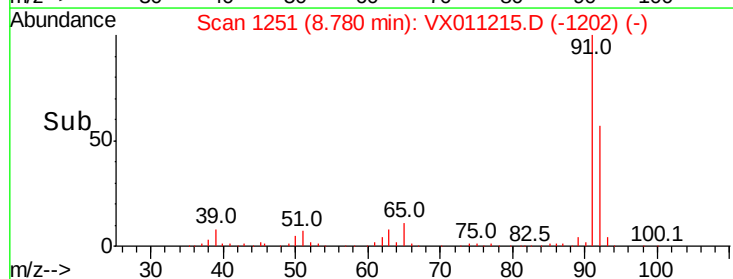
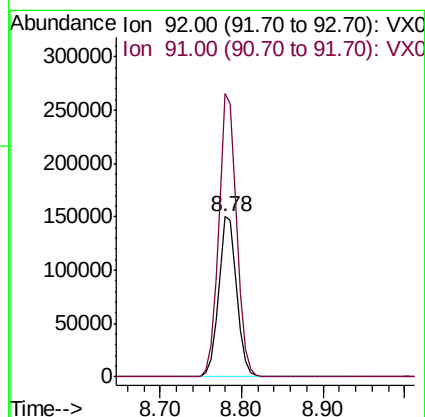
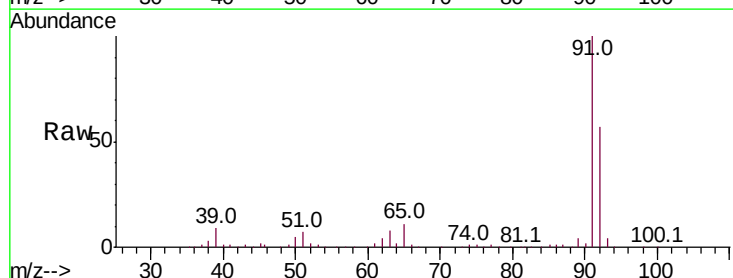
Acq: 30 Jul 2019 23:31

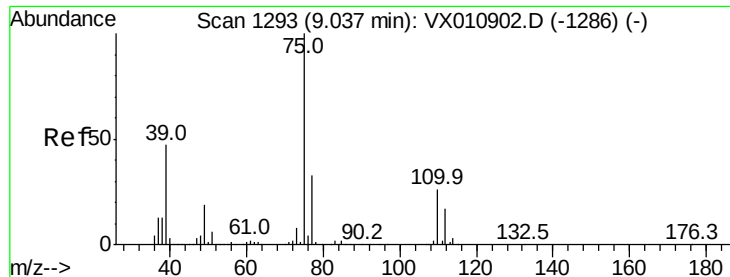
Tgt Ion: 92 Resp: 233896

Ion Ratio Lower Upper

92 100

91 175.3 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 51.713 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 127404

Ion Ratio Lower Upper

75 100

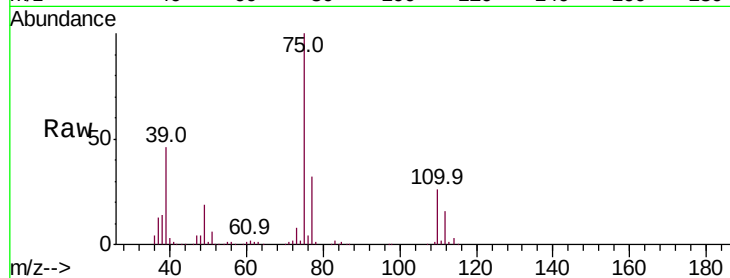
77 31.6 26.2 39.2

Manual Integrations

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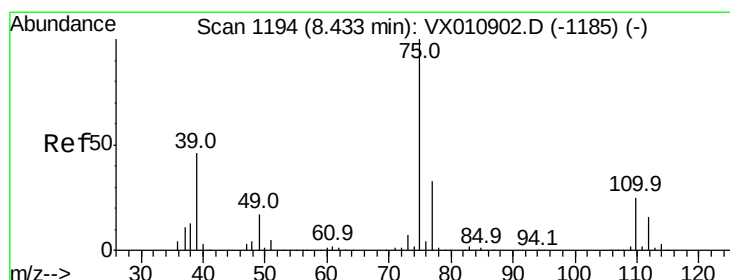
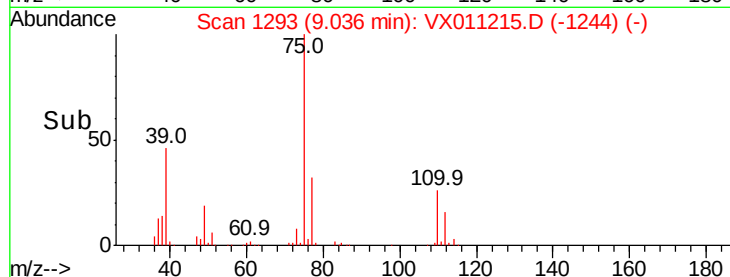
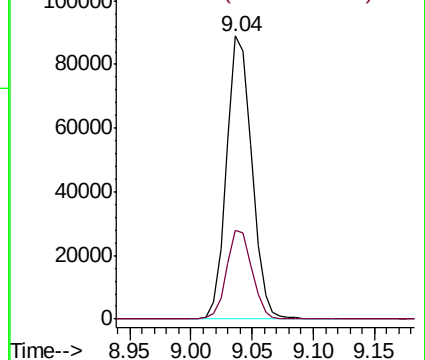
MMDadoda

7/31/2019 10:55:48 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.111 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

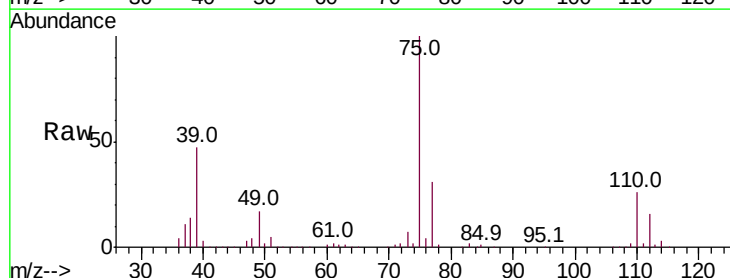
Tgt Ion: 75 Resp: 140117

Ion Ratio Lower Upper

75 100

77 30.7 26.1 39.1

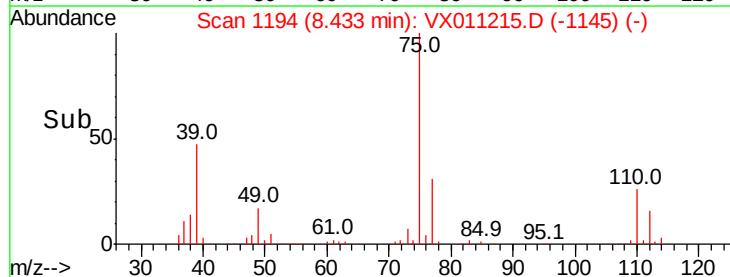
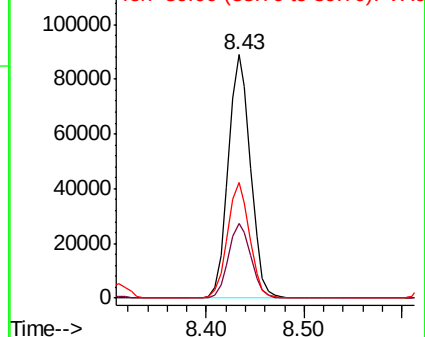
39 47.2 36.6 54.8

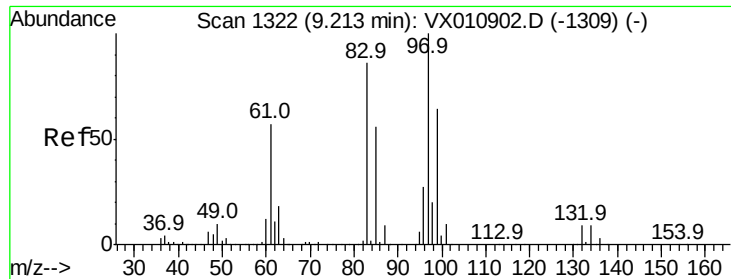


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





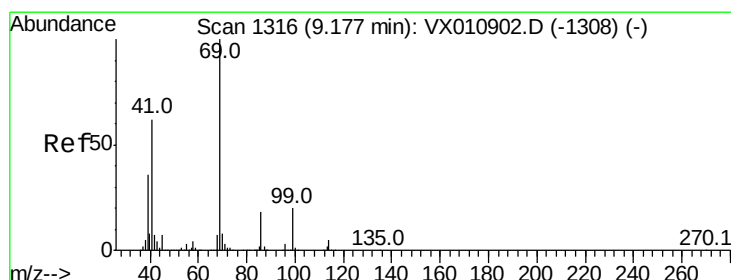
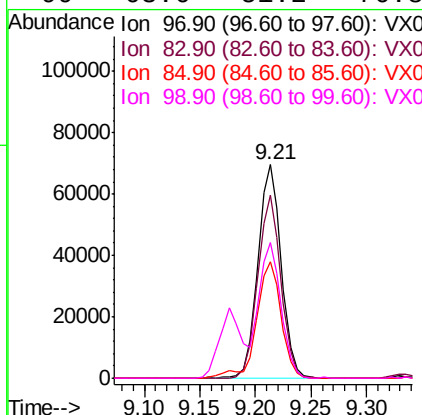
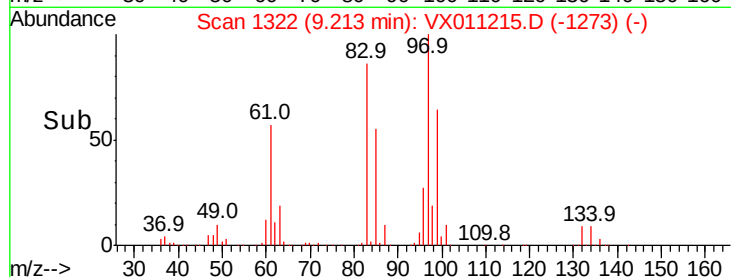
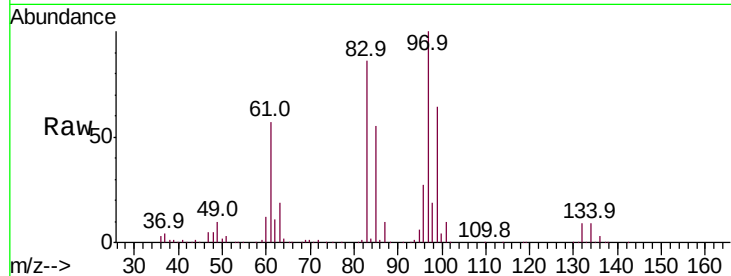
#55
 1,1,2-Trichloroethane
 Concen: 53.058 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	97	Resp	101570
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.2	103.8
85	54.8	44.6	66.8
99	63.6	51.2	76.8

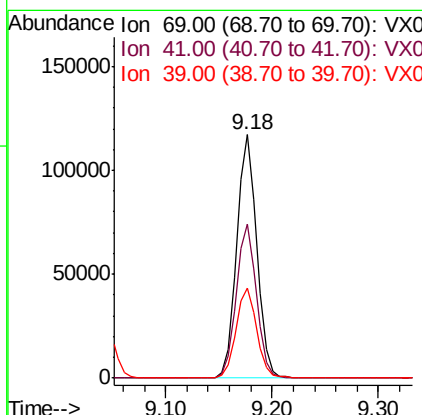
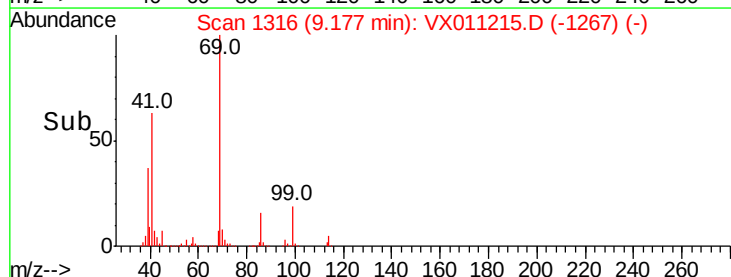
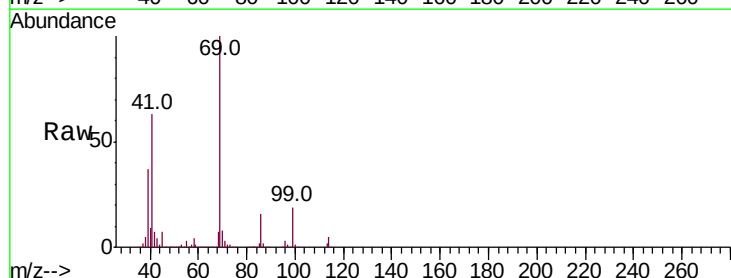
Manual Integrations
 APPROVED

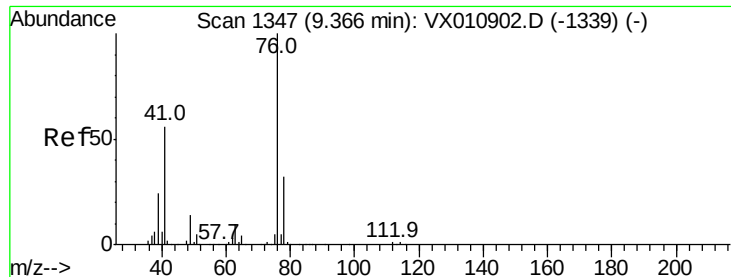
MMDadoda
 7/31/2019 10:55:48 AM



#56
 Ethyl methacrylate
 Concen: 55.629 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion	69	Resp	155772
Ion	Ratio	Lower	Upper
69	100		
41	63.8	49.7	74.5
39	37.9	29.6	44.4





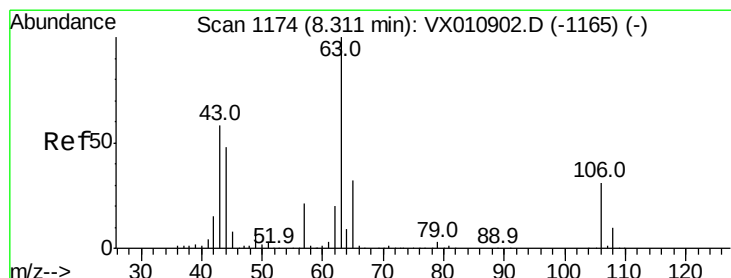
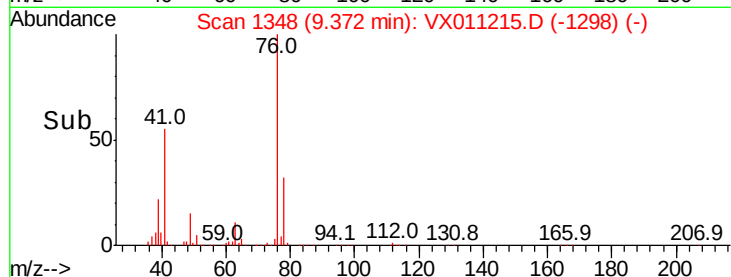
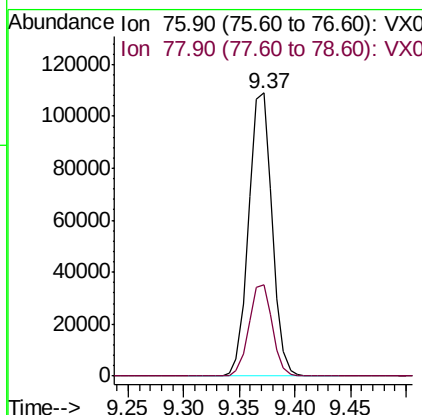
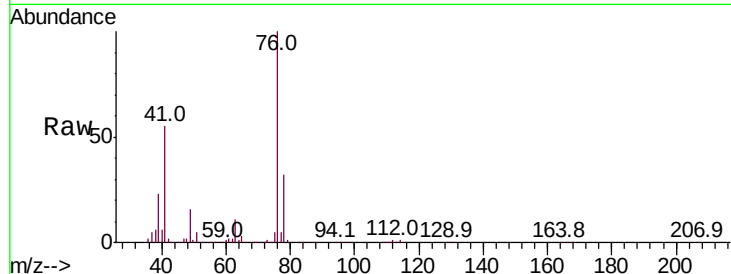
#57
 1,3-Dichloropropane
 Concen: 52.576 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

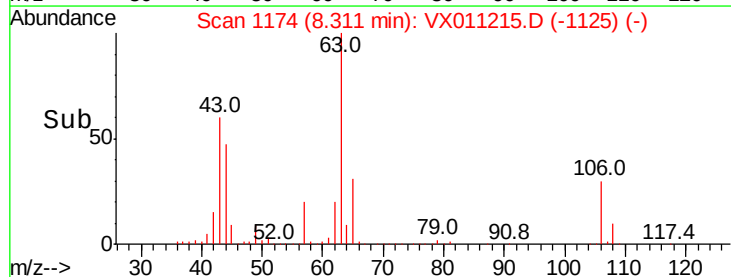
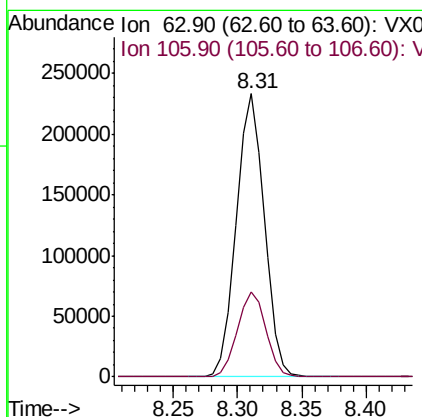
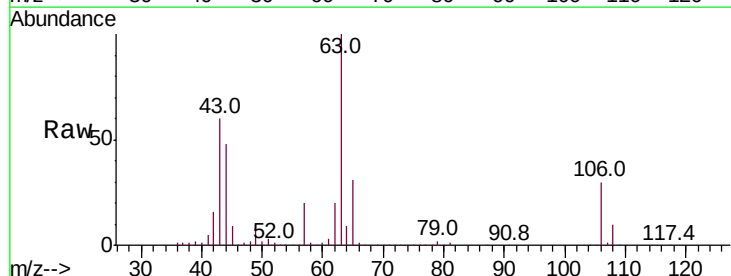
Manual Integrations
 APPROVED

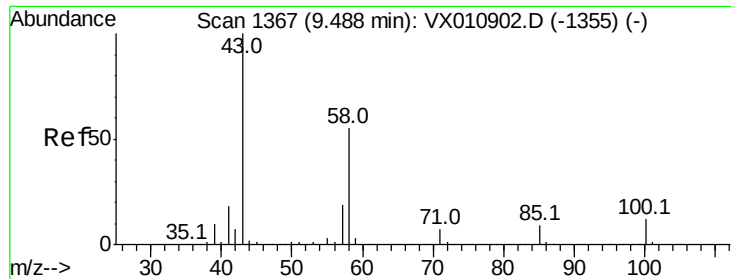
MMDadoda
 7/31/2019 10:55:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.793 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.0	36.0





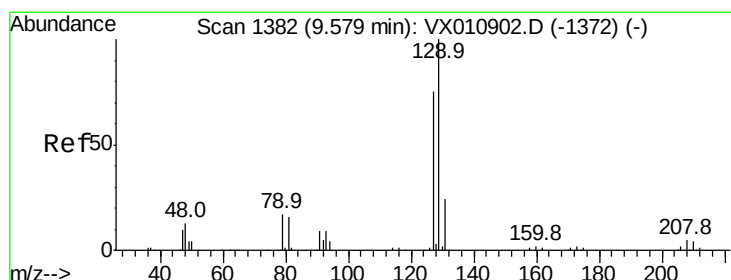
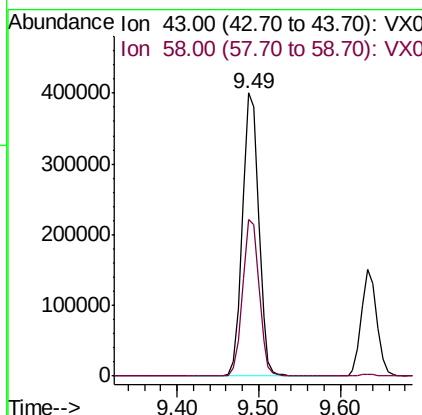
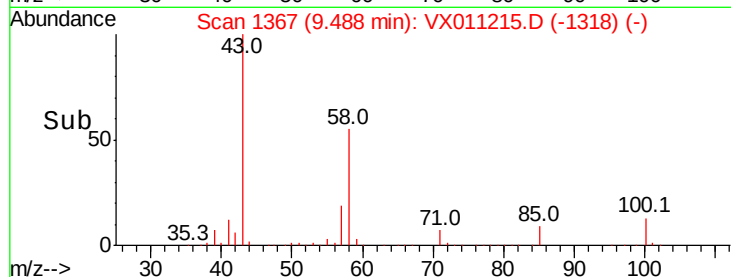
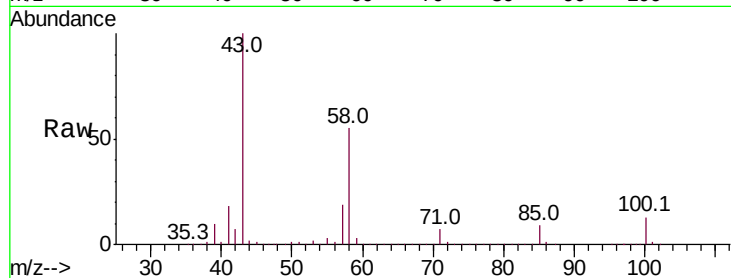
#59
2-Hexanone
Concen: 280.518 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 548661
Ion Ratio Lower Upper
43 100
58 55.8 28.0 83.9

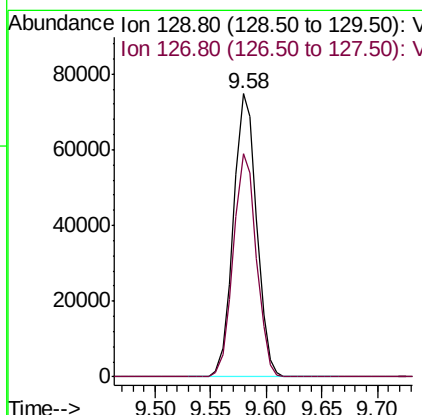
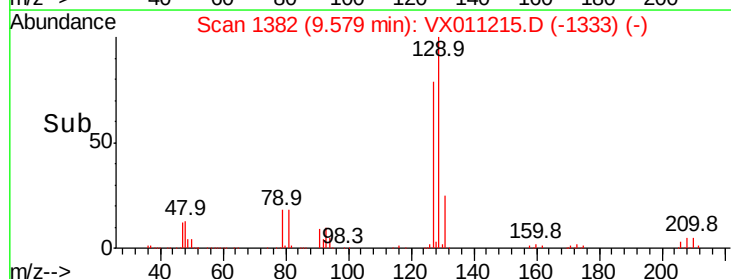
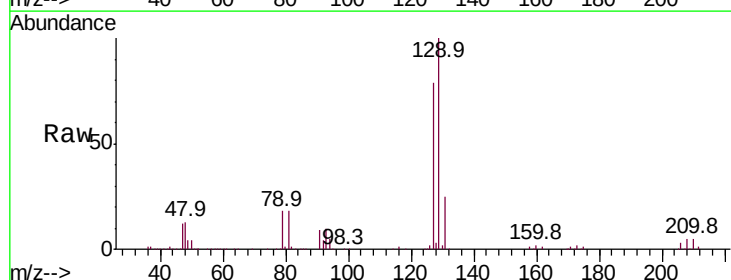
Manual Integrations
APPROVED

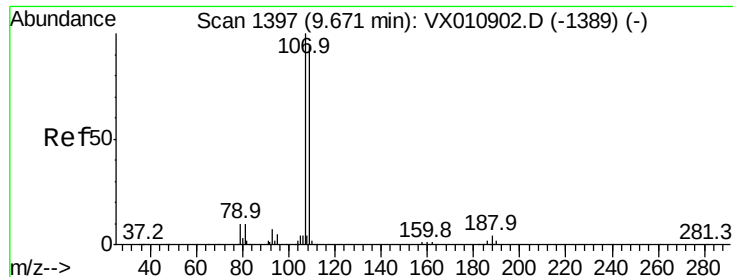
MMDadoda
7/31/2019 10:55:48 AM



#60
Dibromochloromethane
Concen: 49.176 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion: 129 Resp: 108246
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.893 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 107458

Ion Ratio Lower Upper

107 100

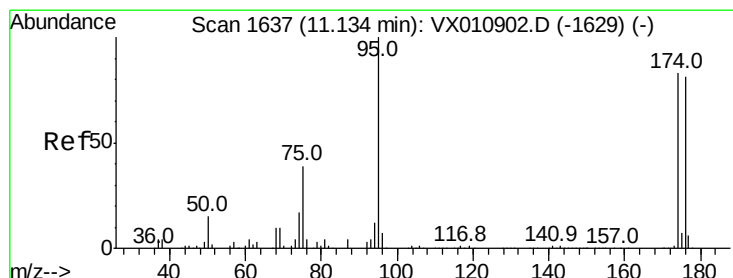
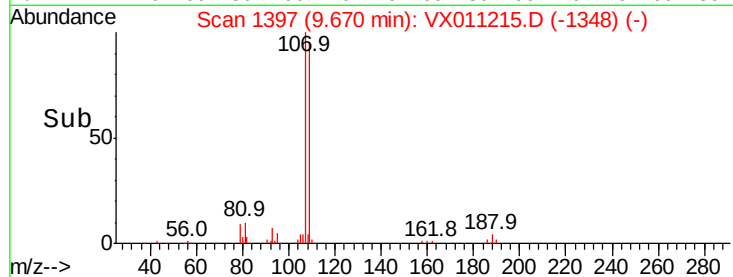
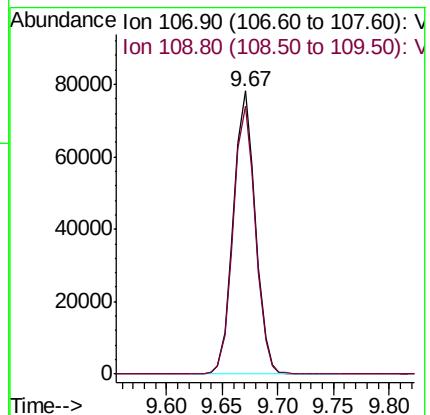
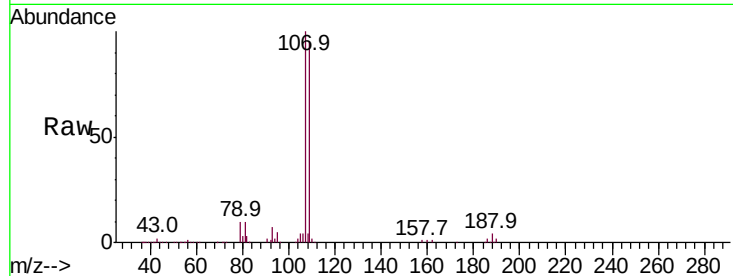
109 95.5 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 55.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

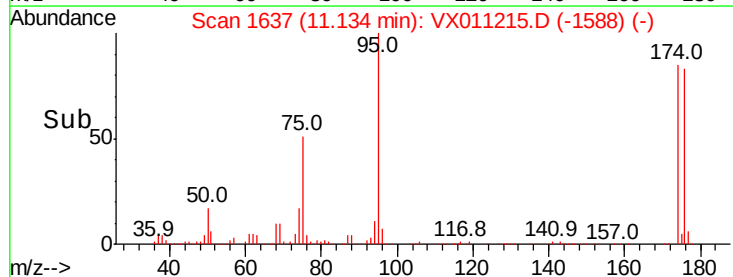
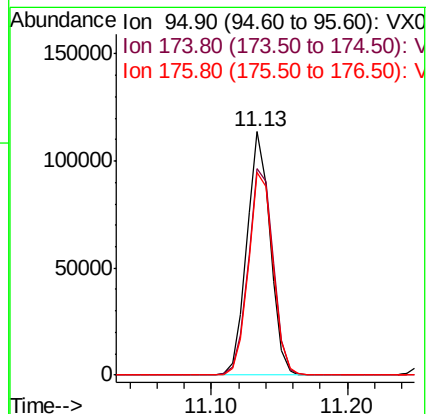
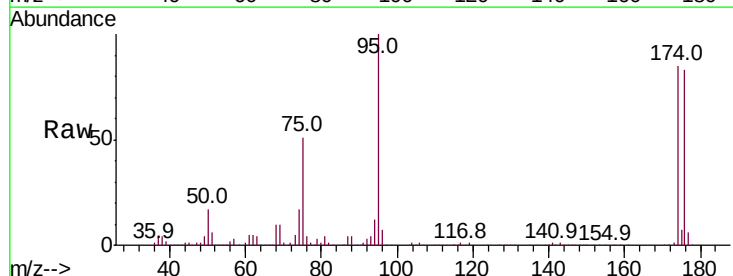
Tgt Ion: 95 Resp: 136341

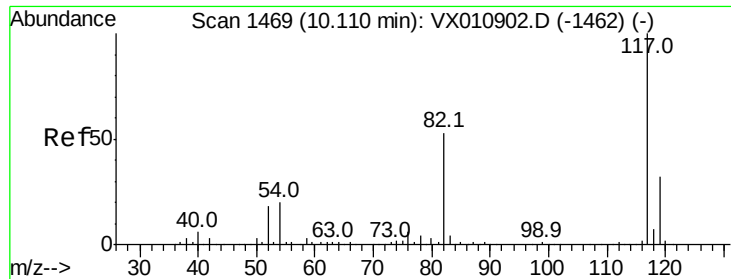
Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.6

176 87.9 0.0 173.8





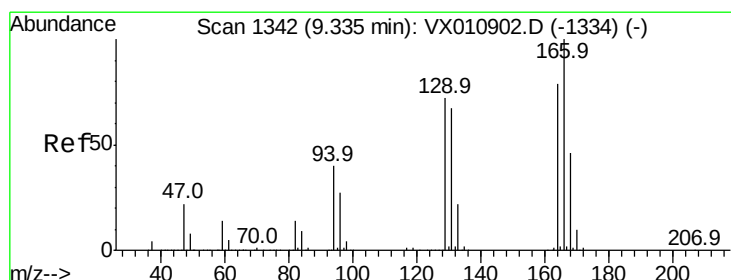
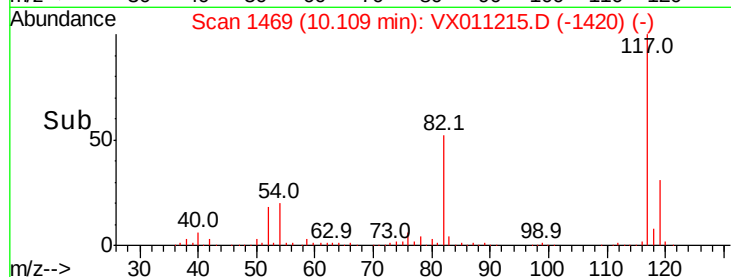
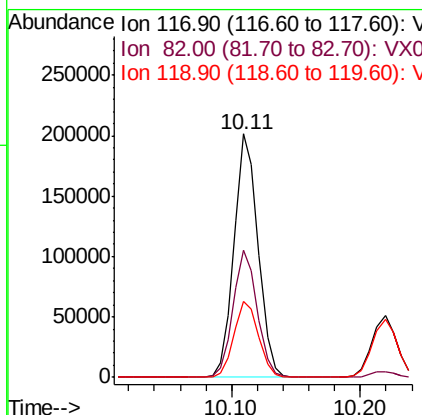
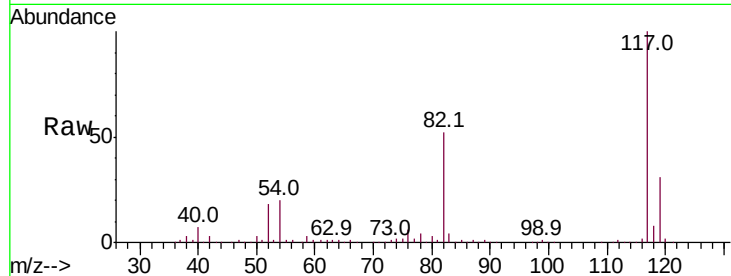
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	63.8
119	31.4	25.9	38.9

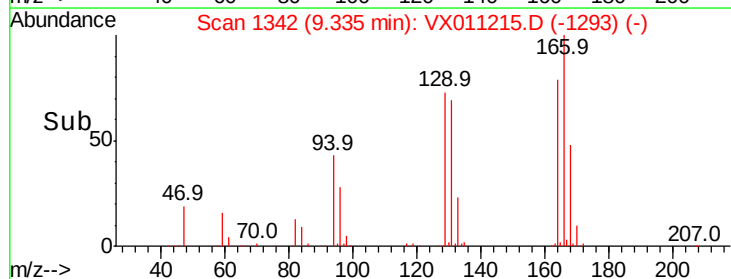
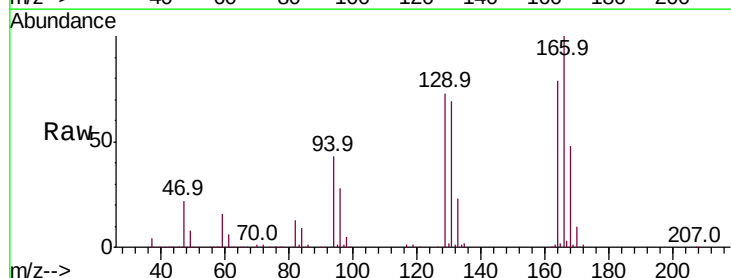
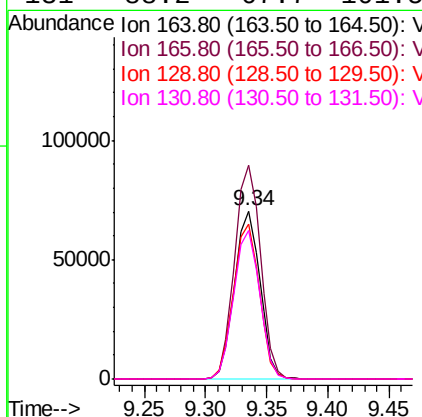
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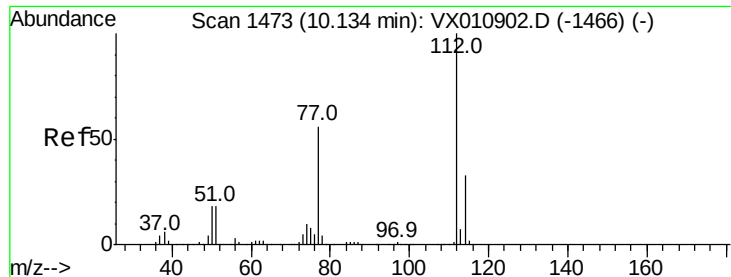
MMDadoda
7/31/2019 10:55:48 AM



#64
Tetrachloroethene
Concen: 49.269 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.8	151.2
129	92.1	72.6	109.0
131	88.2	67.7	101.5





#65

Chlorobenzene

Concen: 50.157 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 270461

Ion Ratio Lower Upper

112 100

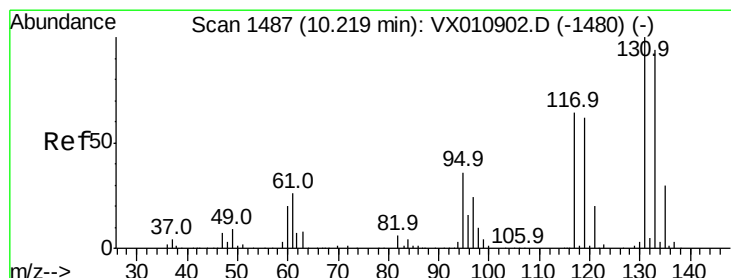
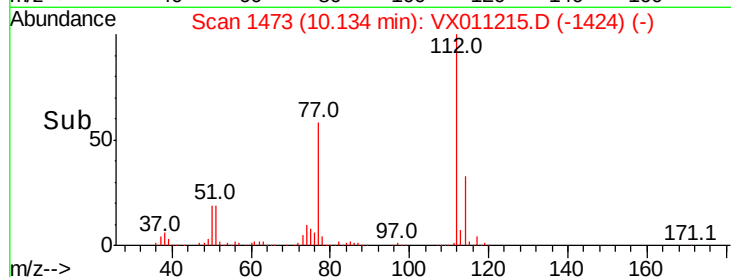
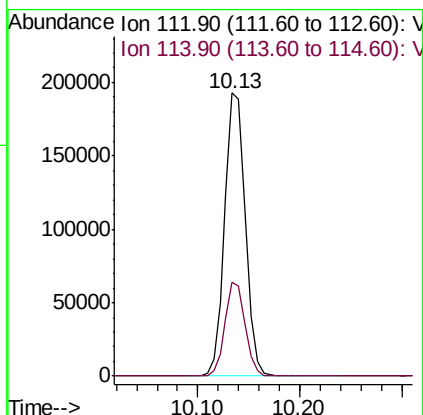
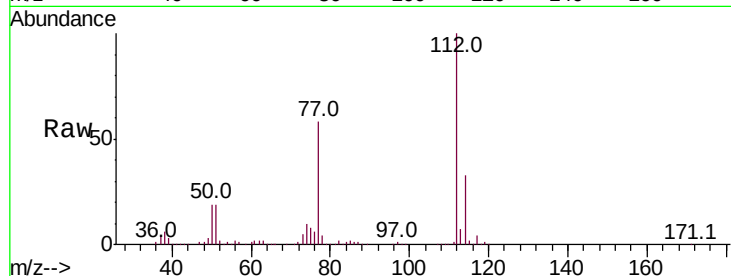
114 33.3 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.140 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

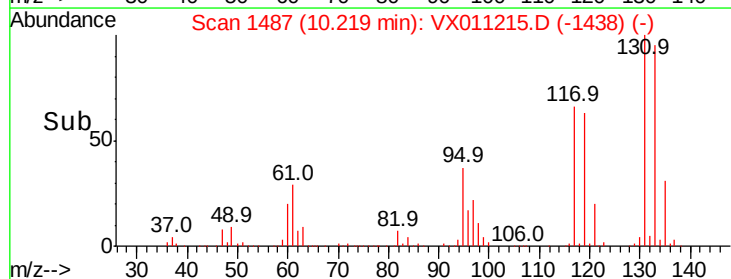
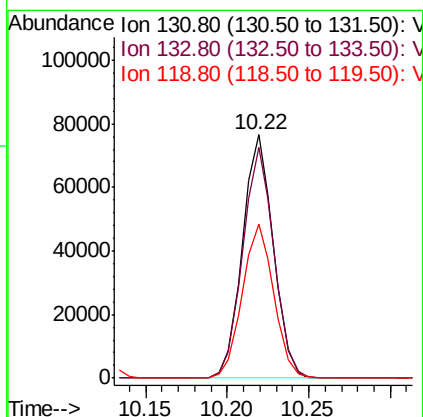
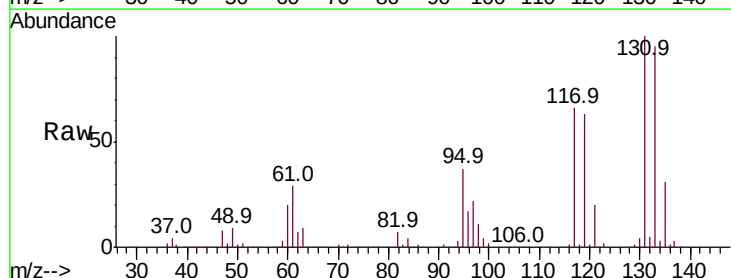
Tgt Ion:131 Resp: 100708

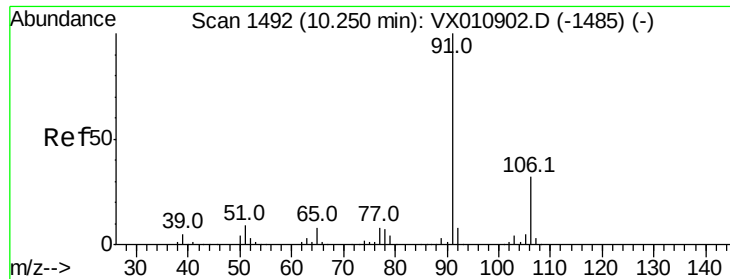
Ion Ratio Lower Upper

131 100

133 95.7 47.1 141.4

119 64.6 31.9 95.7





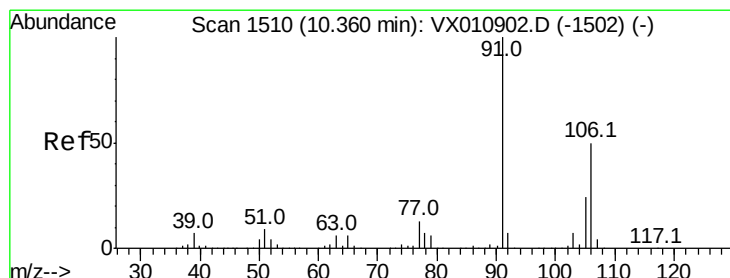
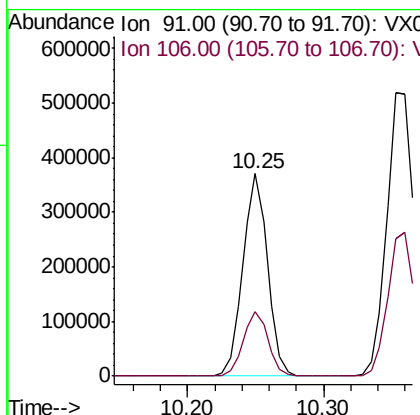
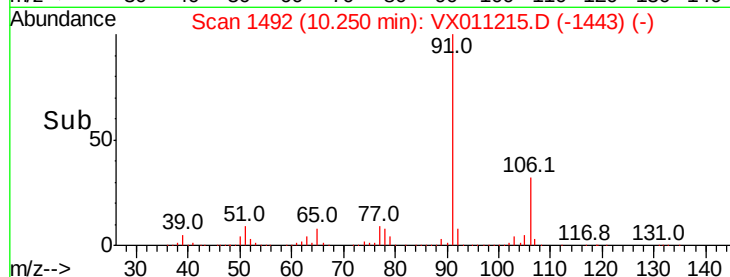
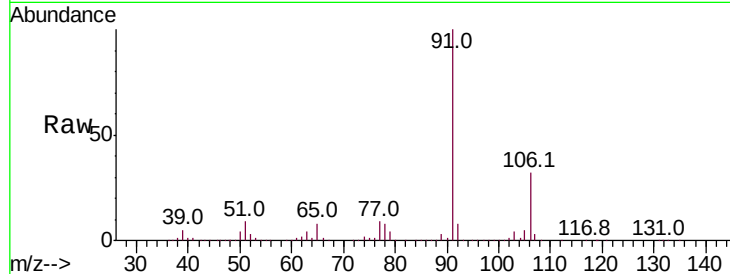
#67
Ethyl Benzene
Concen: 50.801 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 466275
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2

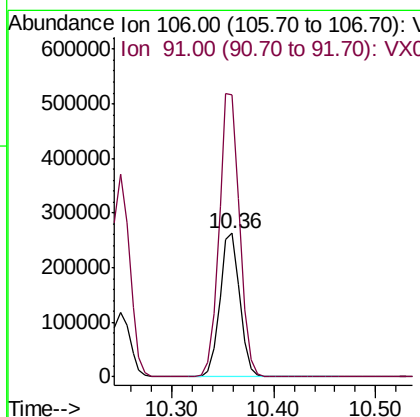
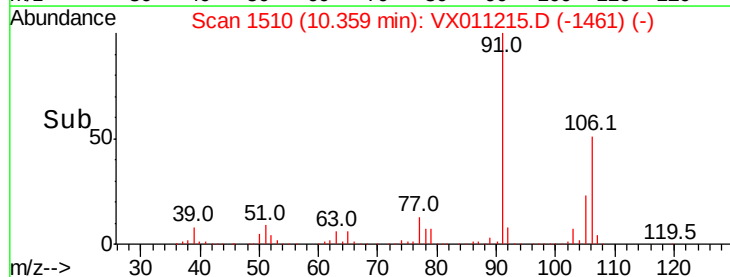
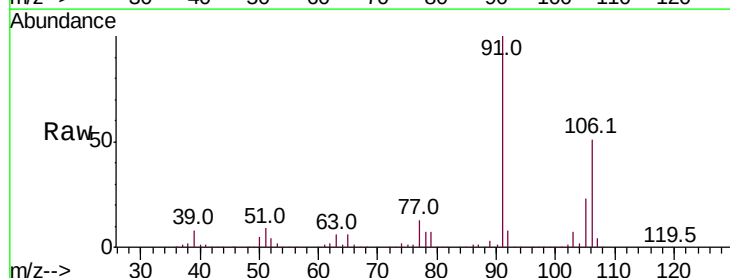
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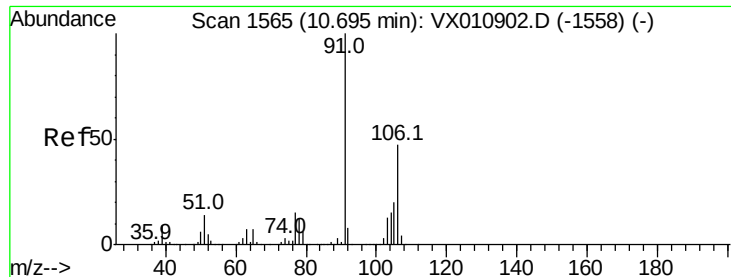
MMDadoda
7/31/2019 10:55:48 AM



#68
m/p-Xylenes
Concen: 102.230 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion: 106 Resp: 359927
Ion Ratio Lower Upper
106 100
91 201.7 160.1 240.1





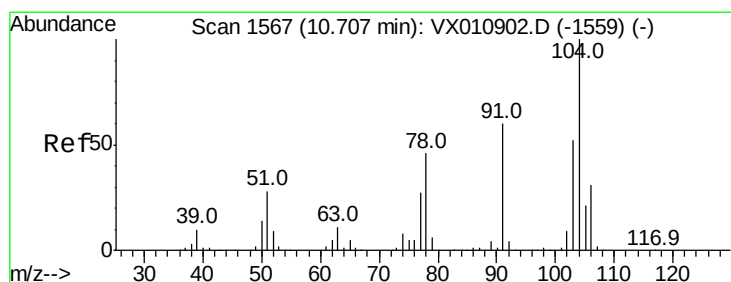
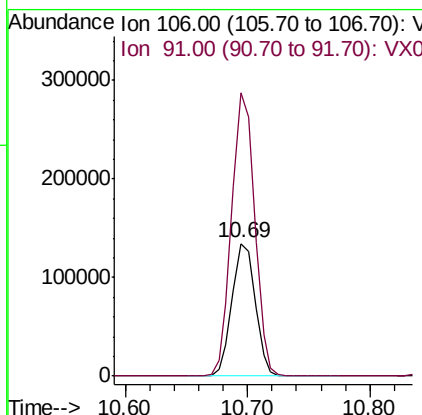
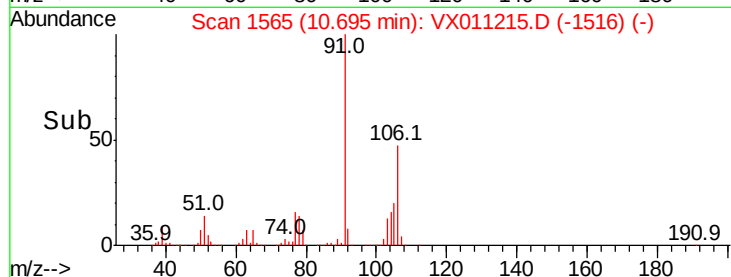
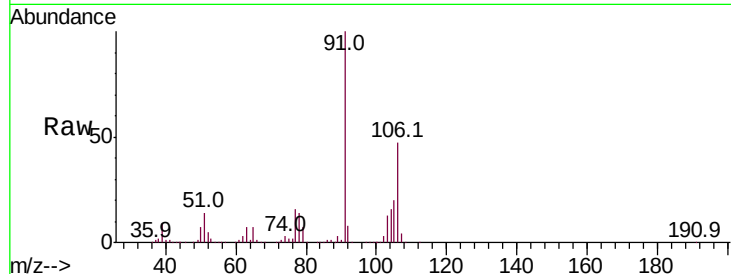
#69
o-Xylene
Concen: 51.519 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.1	315.3

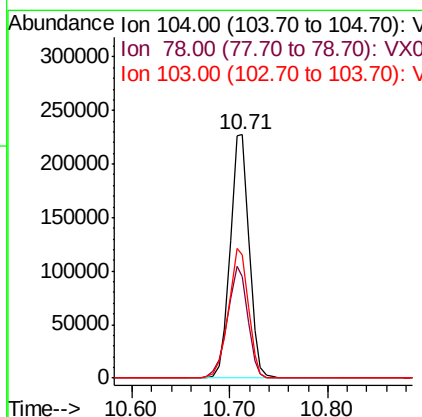
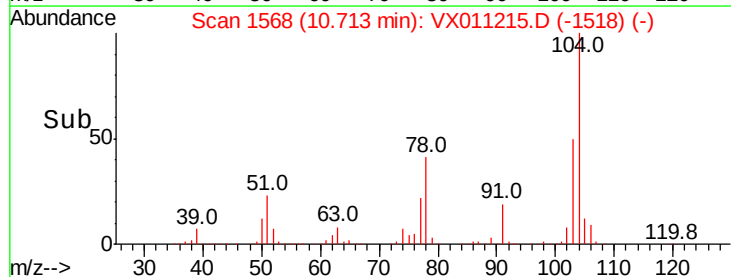
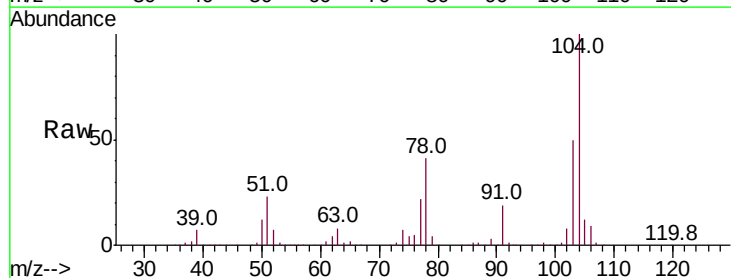
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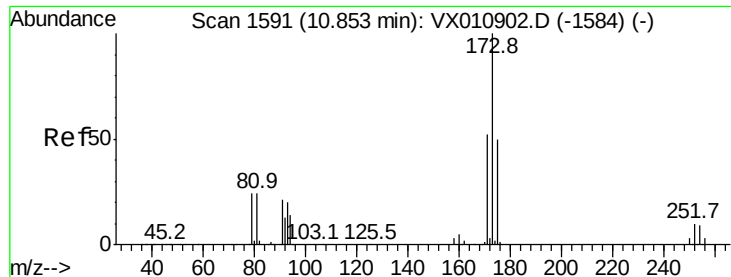
MMDadoda
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#70
Styrene
Concen: 53.338 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.8	58.2
103	56.0	44.2	66.4





#71

Bromoform

Concen: 48.035 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82706

Ion Ratio Lower Upper

173 100

175 48.2 24.6 73.6

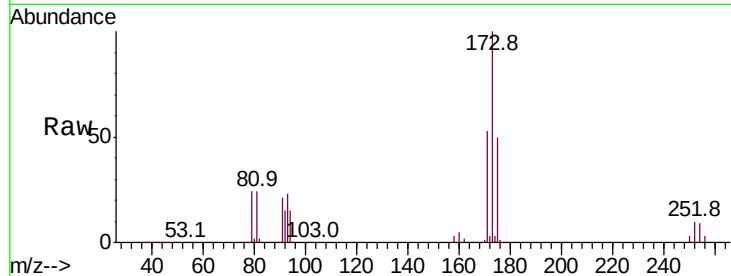
254 0.2 0.1 0.1#

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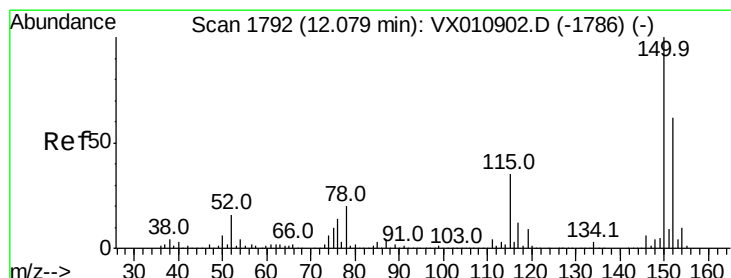
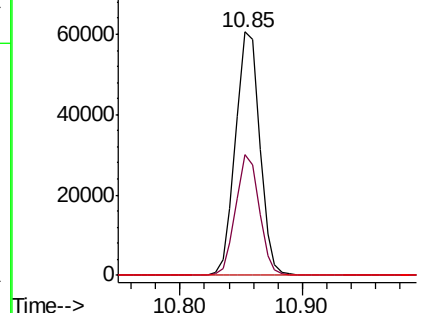
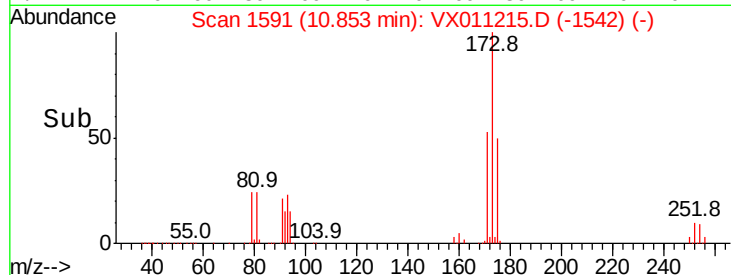
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

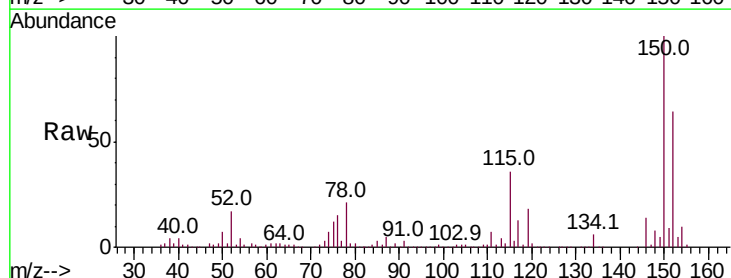
Tgt Ion:152 Resp: 142088

Ion Ratio Lower Upper

152 100

115 81.1 39.7 119.1

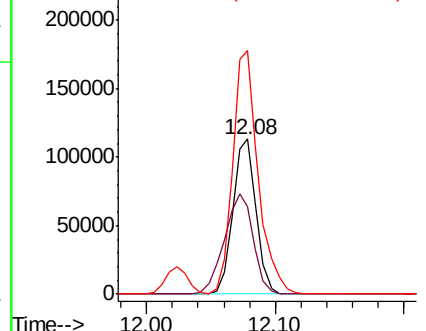
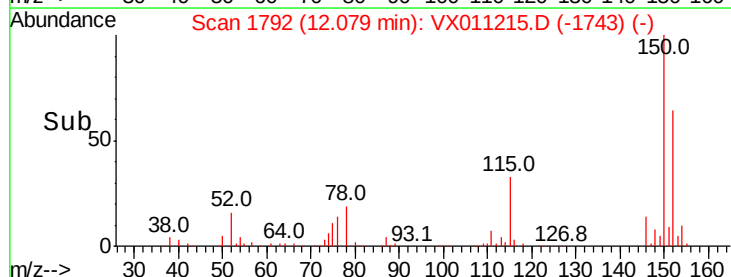
150 172.5 0.0 345.6

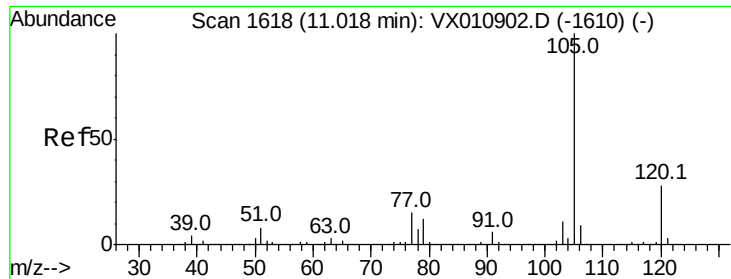


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.324 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 483153

Ion Ratio Lower Upper

105 100

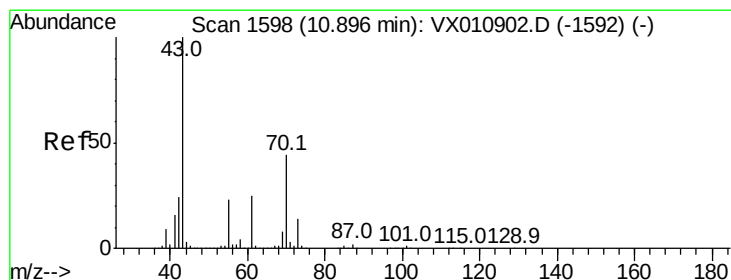
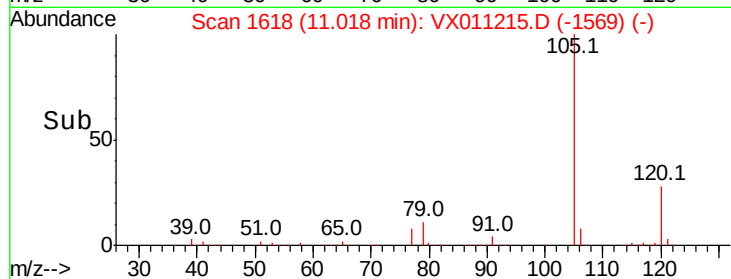
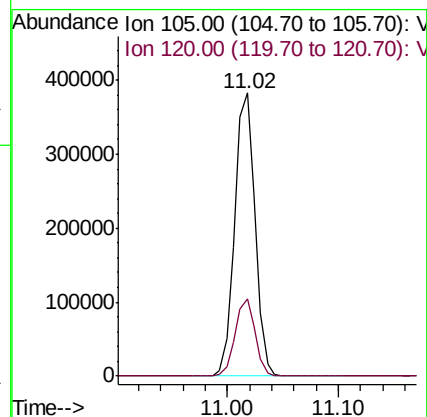
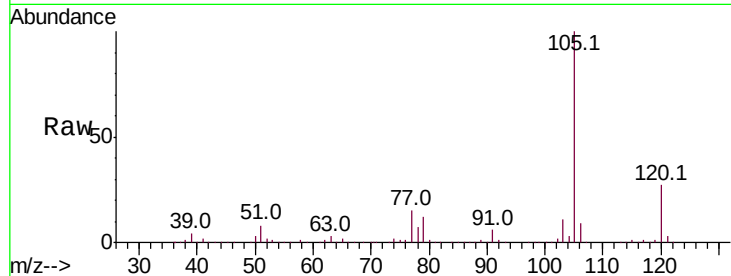
120 26.9 13.7 41.1

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#74

N-ethyl acetate

Concen: 52.203 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion: 43 Resp: 191501

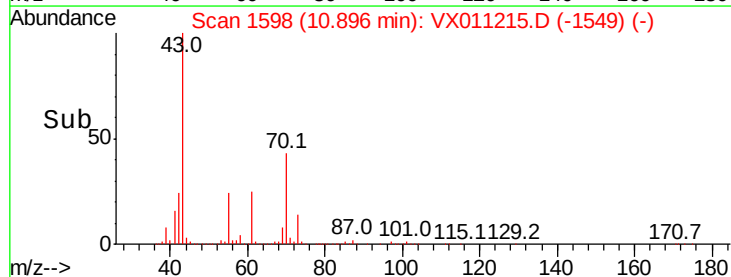
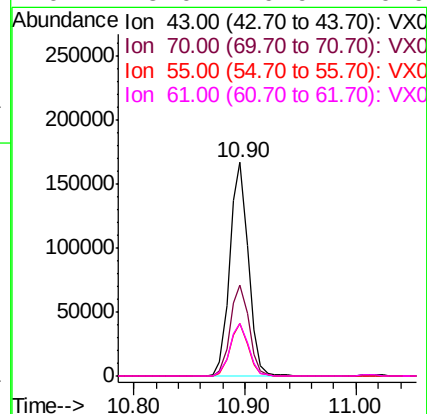
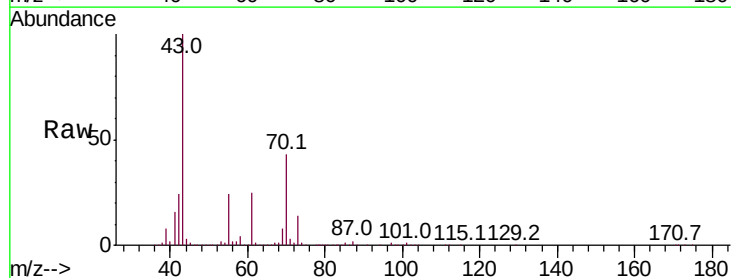
Ion Ratio Lower Upper

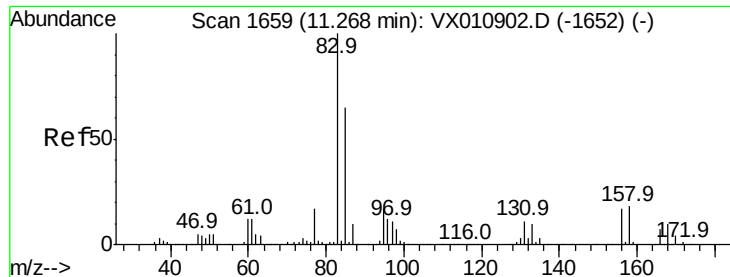
43 100

70 43.6 34.7 52.1

55 24.6 19.1 28.7

61 25.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.615 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

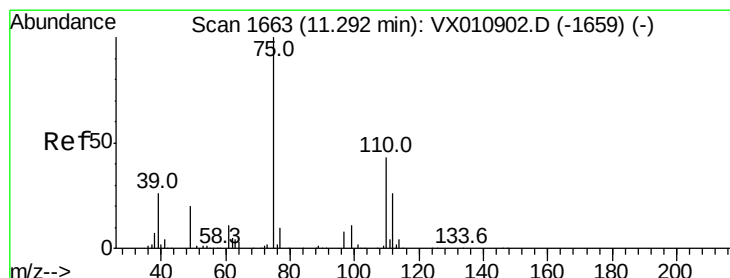
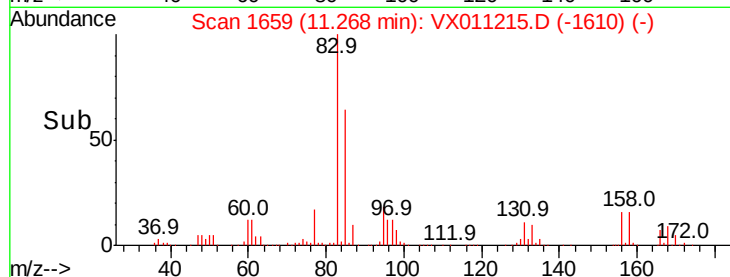
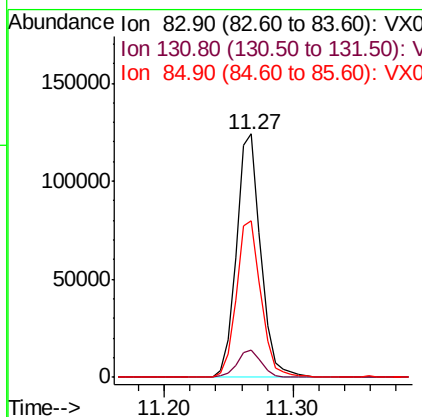
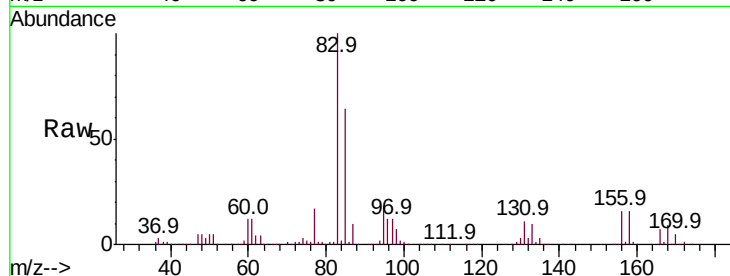
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	162170
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	65.3	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 53.266 ug/l m

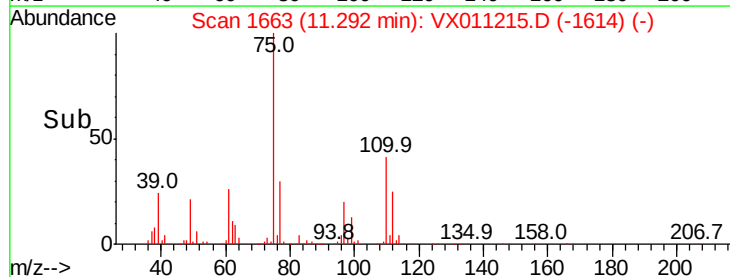
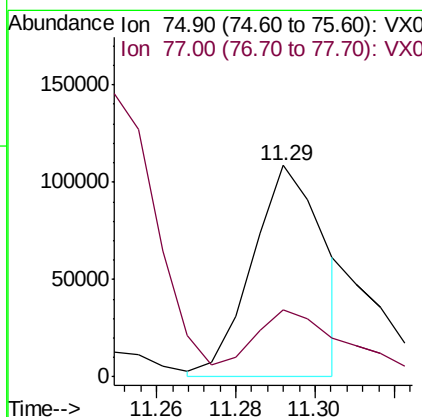
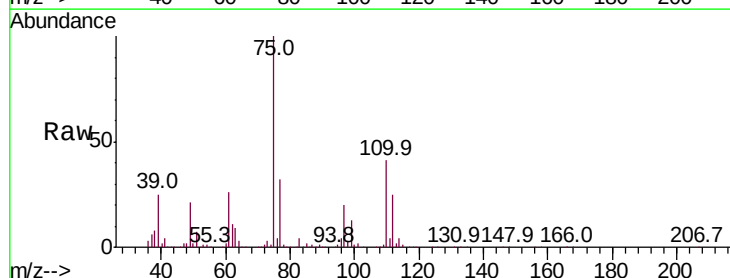
RT: 11.29 min Scan# 1663

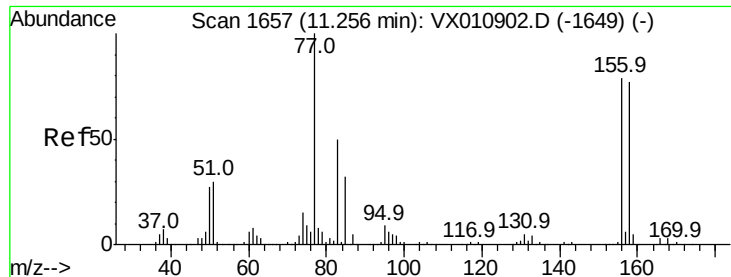
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	75	Resp:	136578
Ion	Ratio	Lower	Upper
75	100		
77	41.4	21.3	64.0





#77

Bromobenzene

Concen: 50.453 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

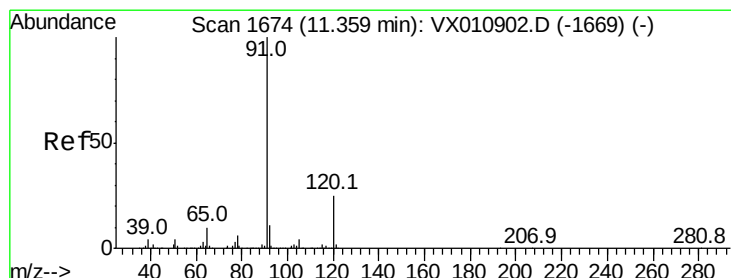
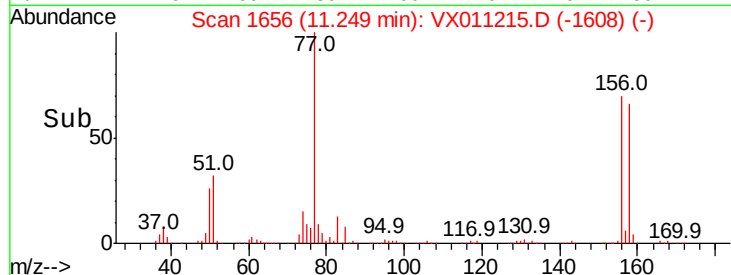
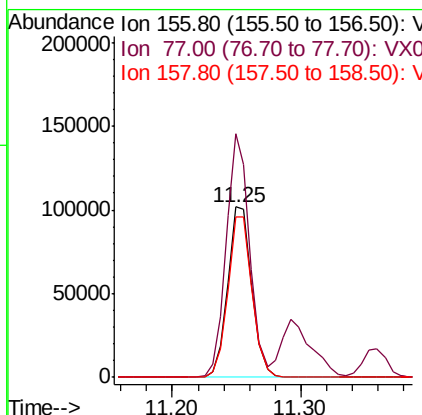
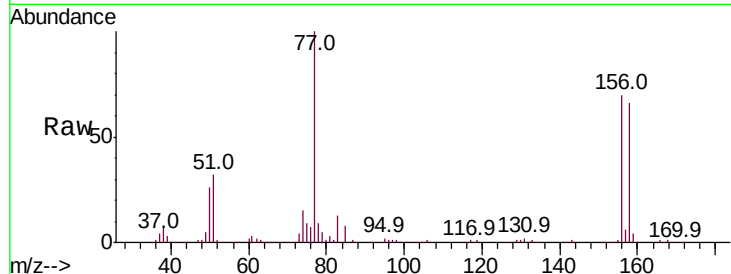
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	133613
Ion Ratio	Lower	Upper	
156	100		
77	138.6	68.7	206.1
158	95.3	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 51.495 ug/l

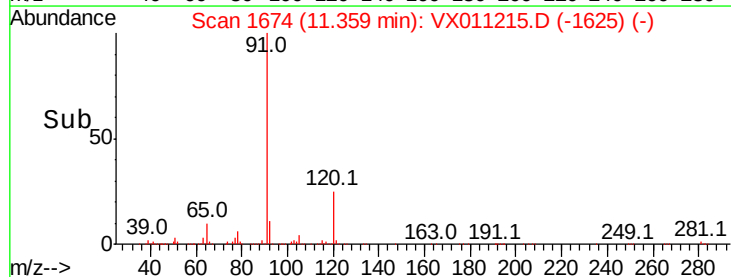
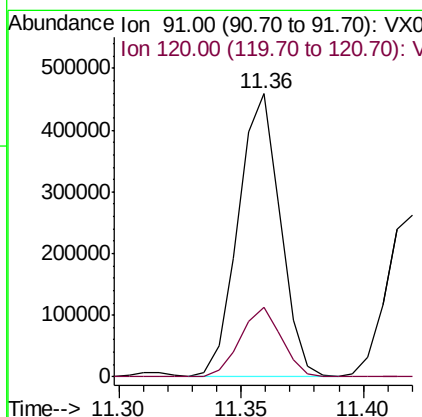
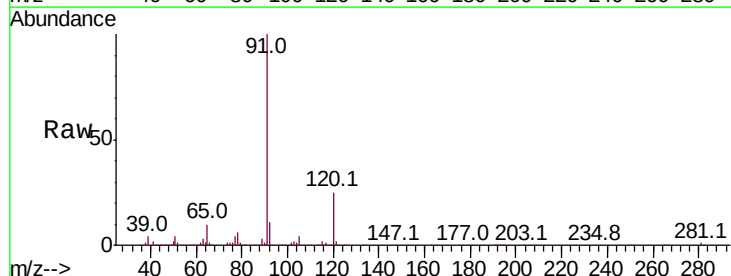
RT: 11.36 min Scan# 1674

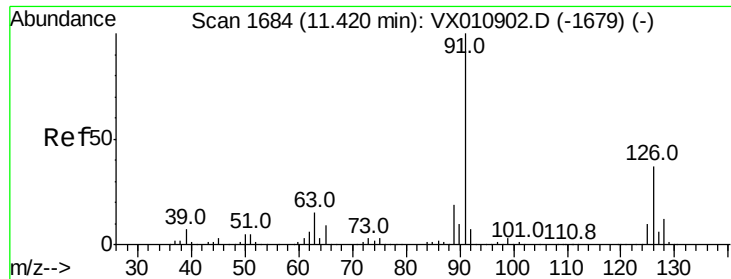
Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	91	Resp:	546269
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.3	36.8





#79

2-Chlorotoluene

Concen: 50.973 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 324827

Ion Ratio Lower Upper

91 100

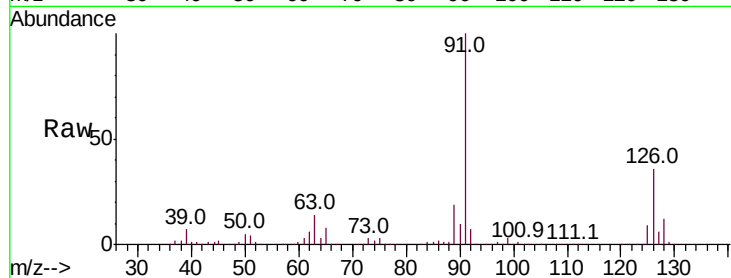
126 35.7 18.0 54.0

Manual Integrations

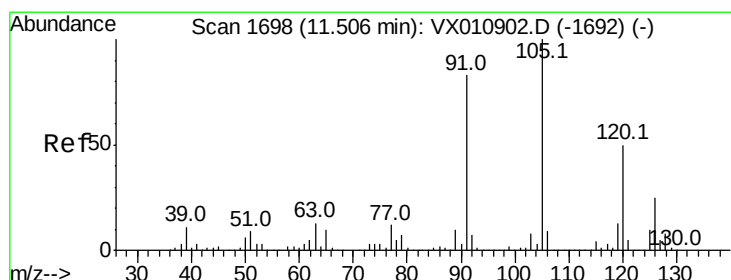
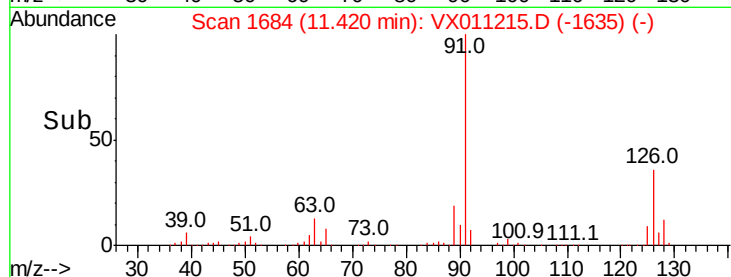
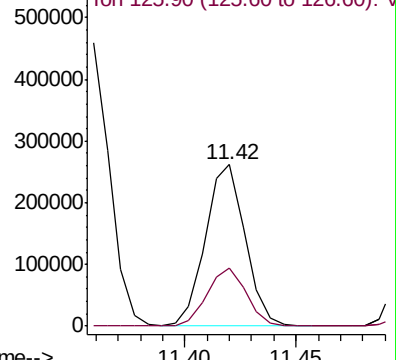
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Abundance Ion 91.00 (90.70 to 91.70): VX011215.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.961 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011215.D

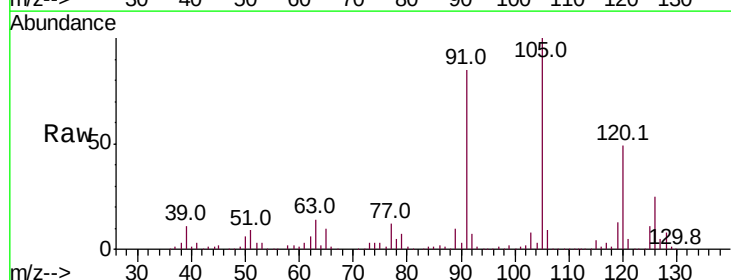
Acq: 30 Jul 2019 23:31

Tgt Ion: 105 Resp: 408833

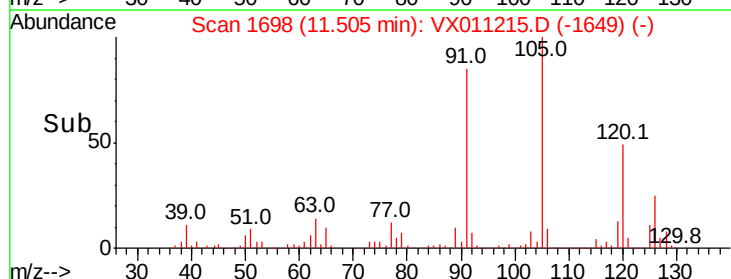
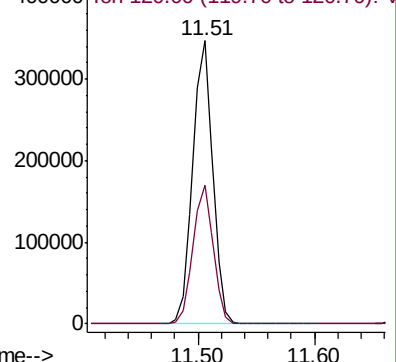
Ion Ratio Lower Upper

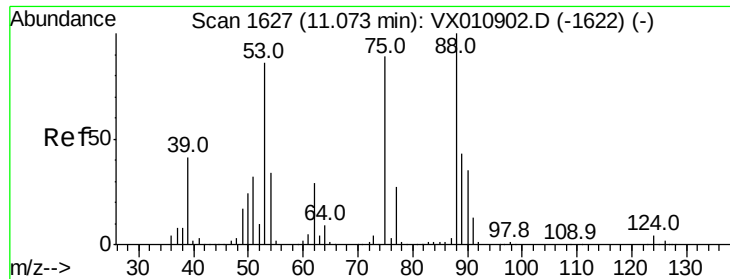
105 100

120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX011215.D (-1649) (-)





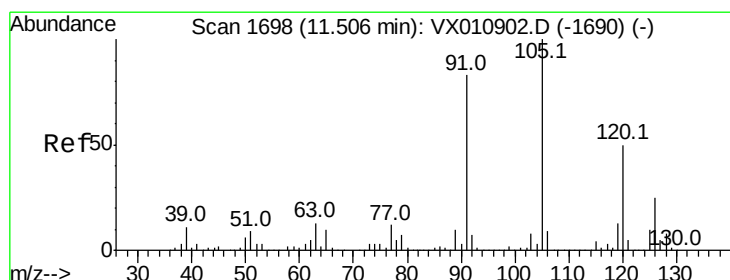
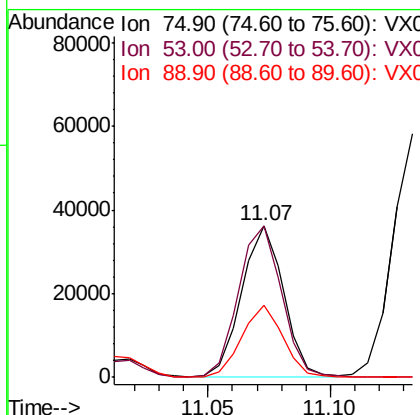
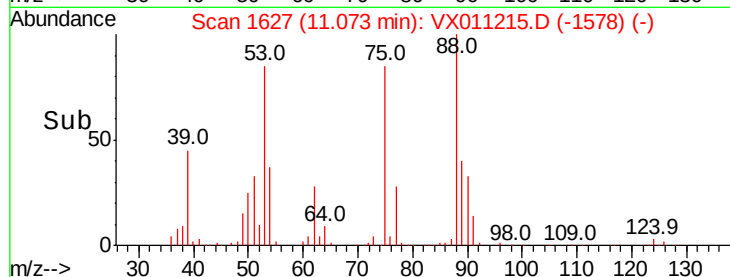
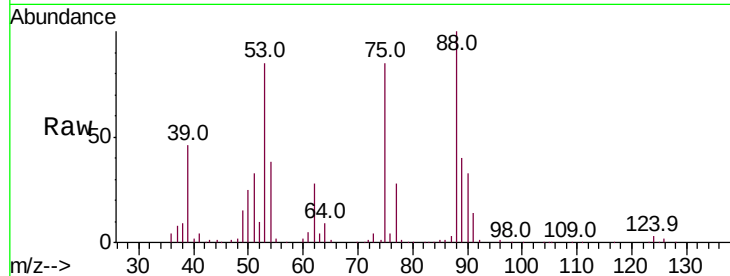
#81
trans-1,4-Dichloro-2-butene
Concen: 43.005 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	76.7	115.1
89	47.3	38.5	57.7

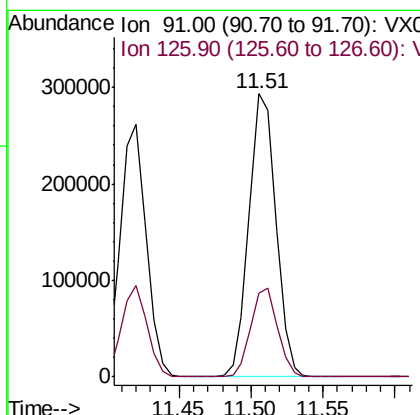
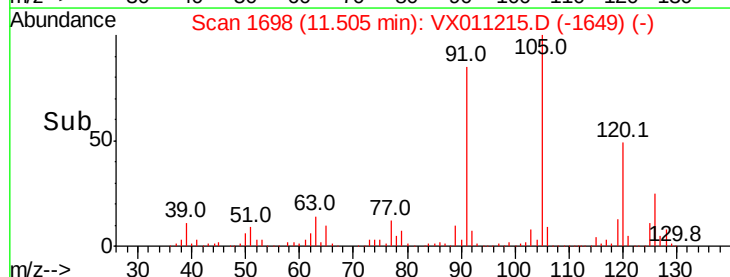
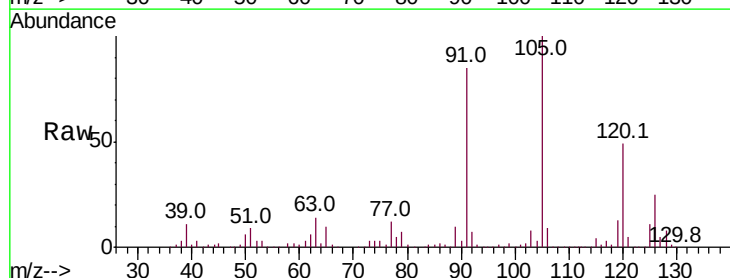
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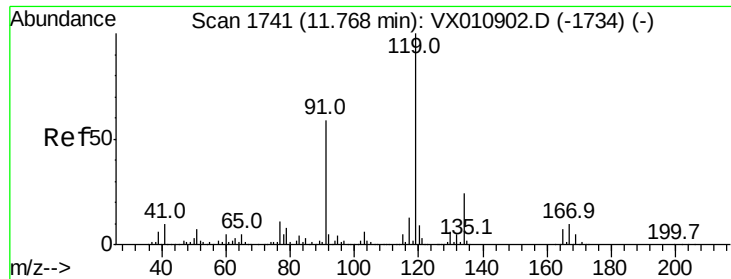
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#82
4-Chlorotoluene
Concen: 51.191 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7





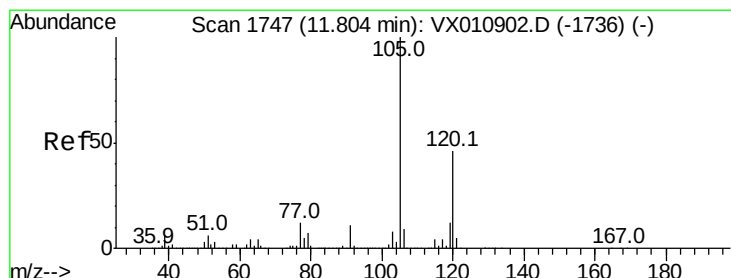
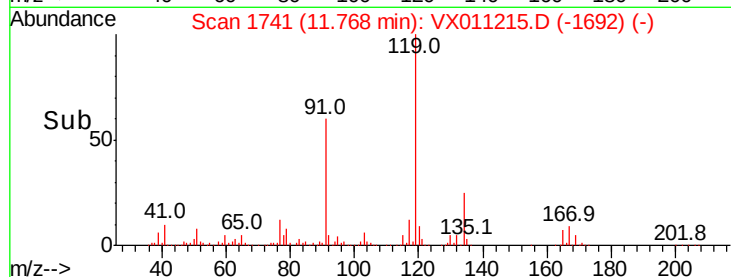
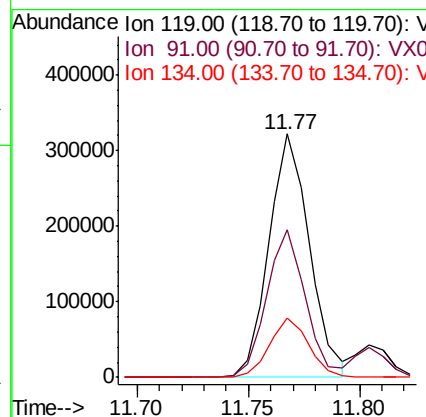
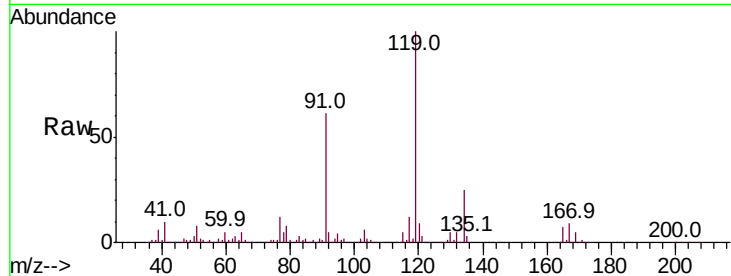
#83
tert-Butylbenzene
Concen: 51.737 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	28.6	85.8
134	23.5	11.6	34.8

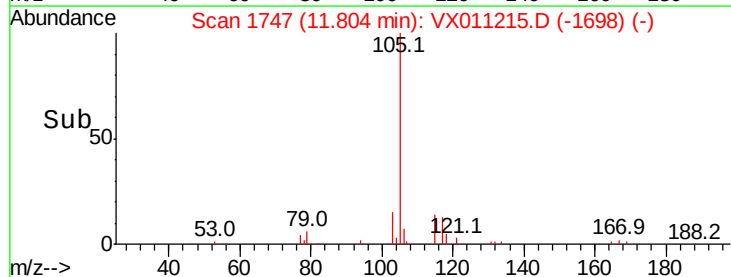
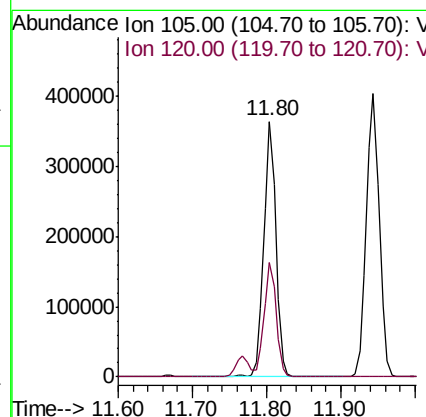
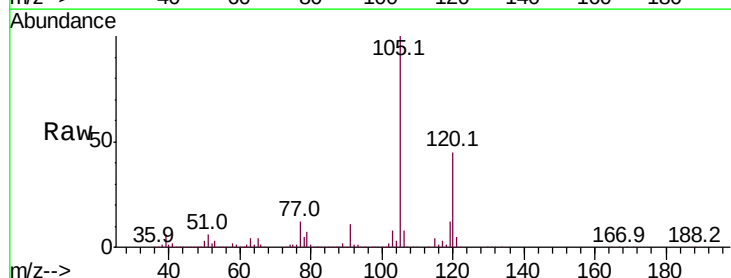
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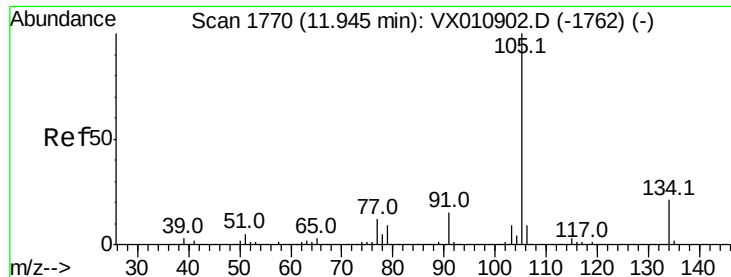
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#84
1,2,4-Trimethylbenzene
Concen: 51.876 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.5





#85

sec-Butylbenzene

Concen: 52.276 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 482686

Ion Ratio Lower Upper

105 100

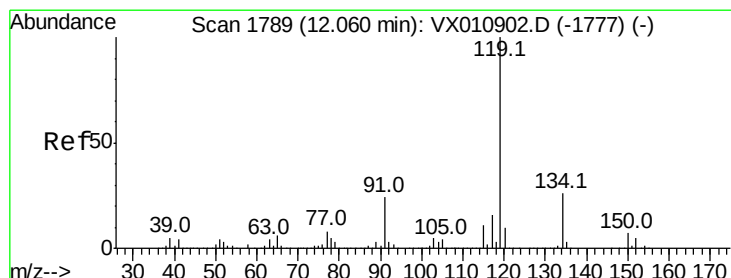
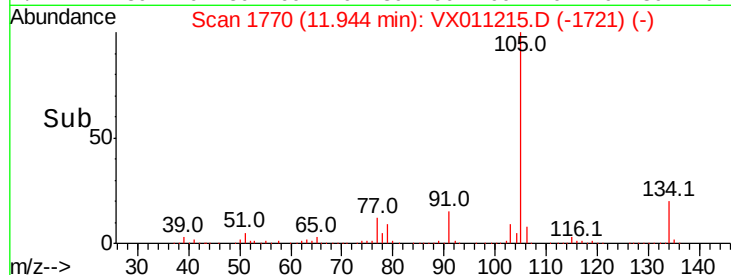
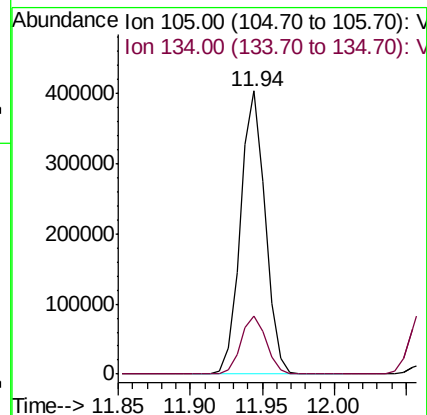
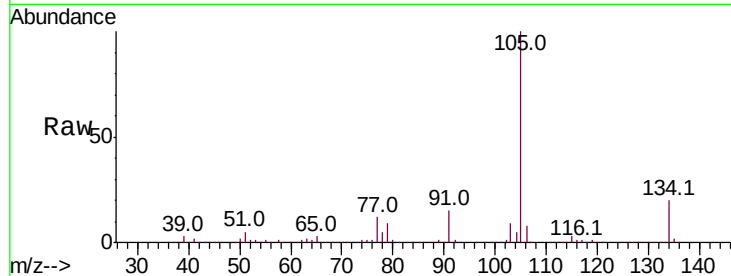
134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 52.189 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

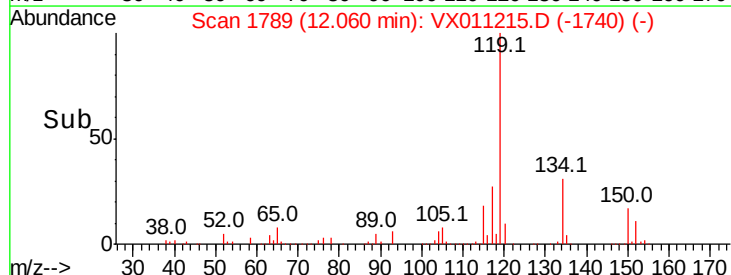
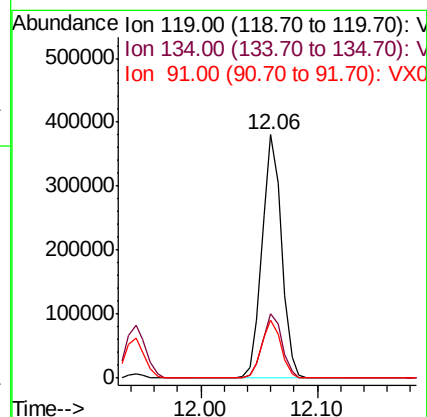
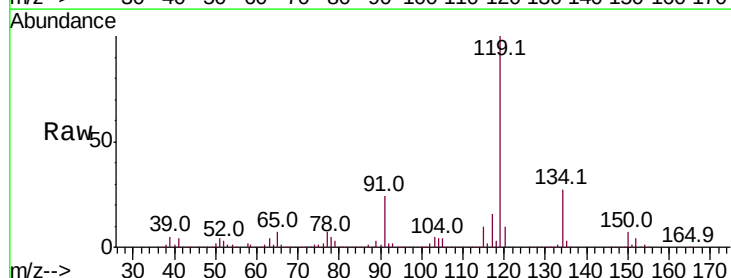
Tgt Ion:119 Resp: 445500

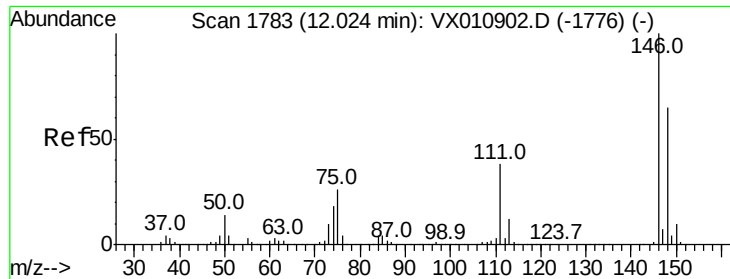
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.7 11.8 35.4





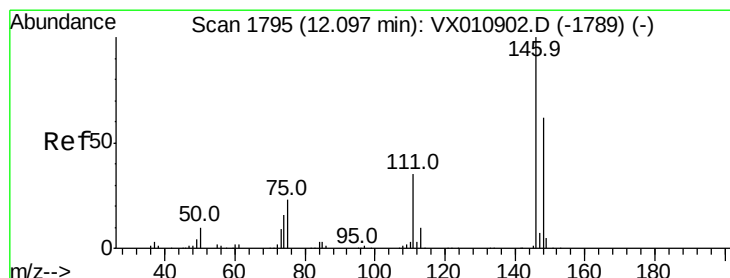
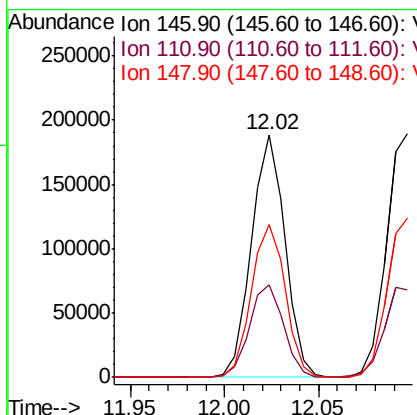
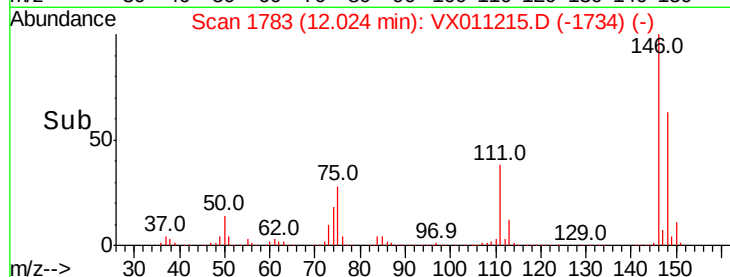
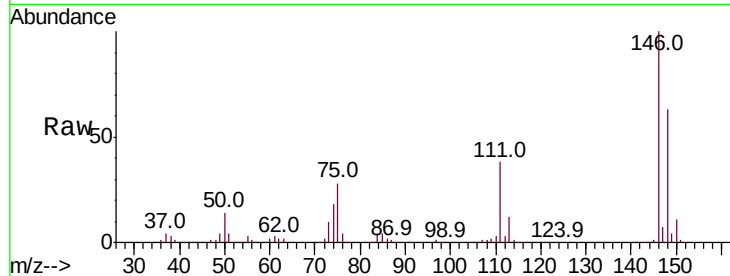
#87
 1,3-Dichlorobenzene
 Concen: 50.699 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	64.1	32.2	96.6

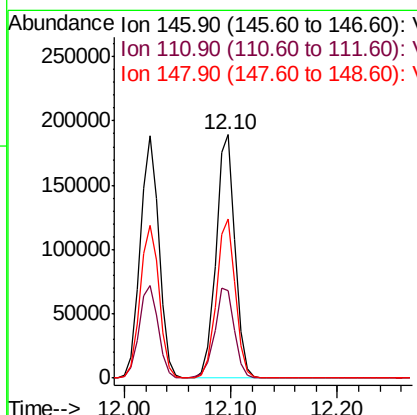
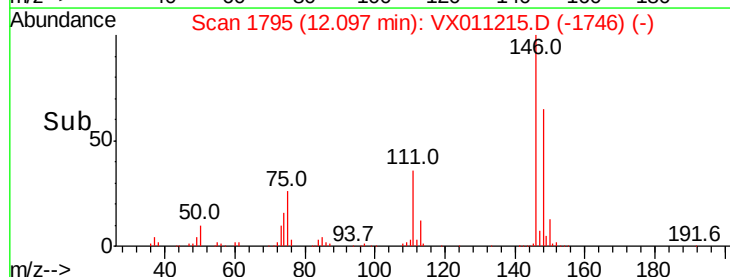
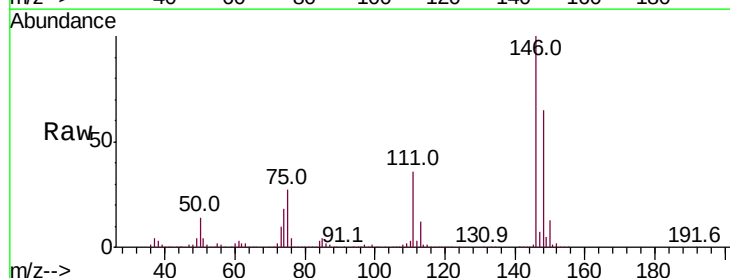
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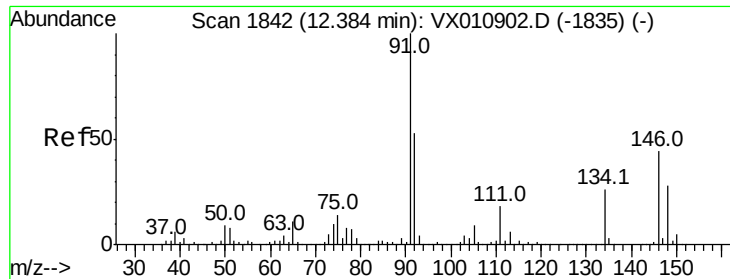
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#88
 1,4-Dichlorobenzene
 Concen: 49.349 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.9	31.6	94.7





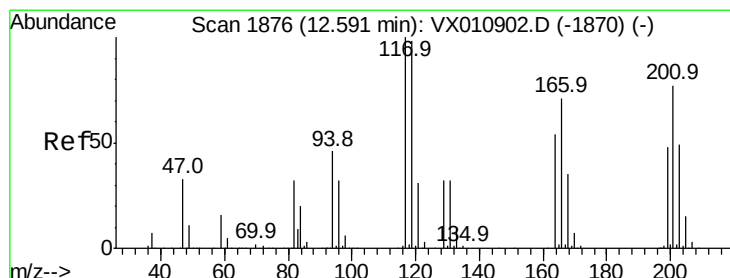
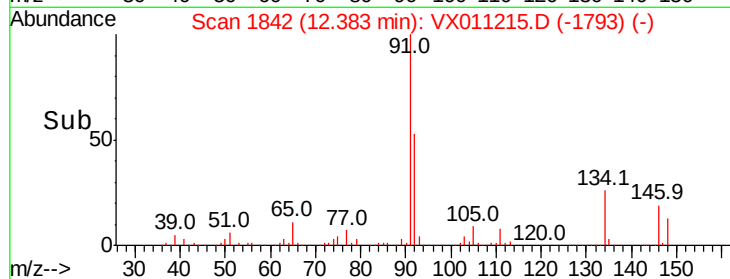
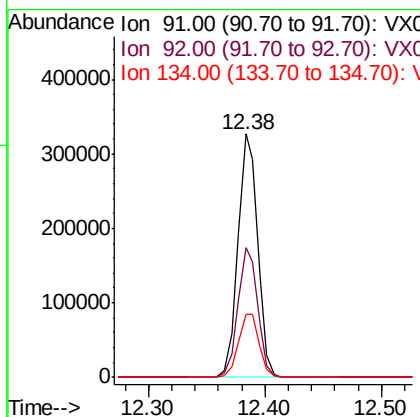
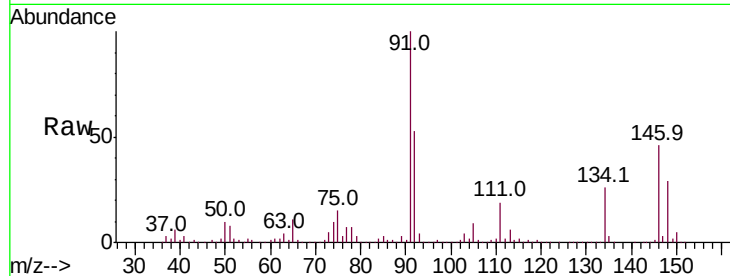
#89
n-Butylbenzene
Concen: 52.785 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.2	78.5
134	27.1	13.8	41.3

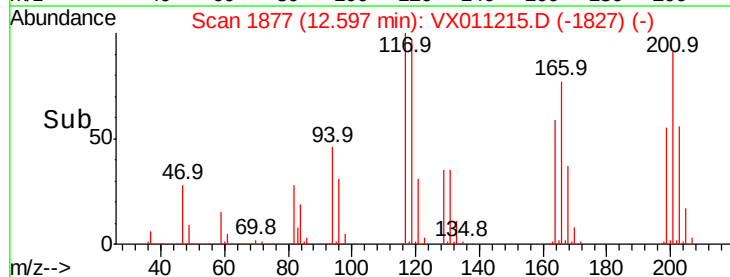
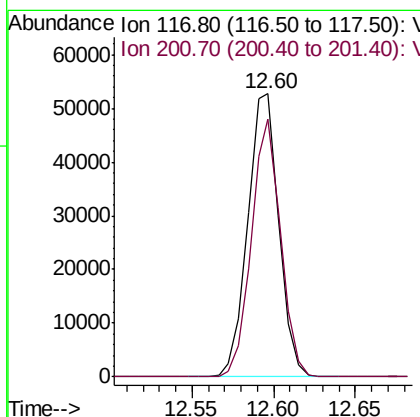
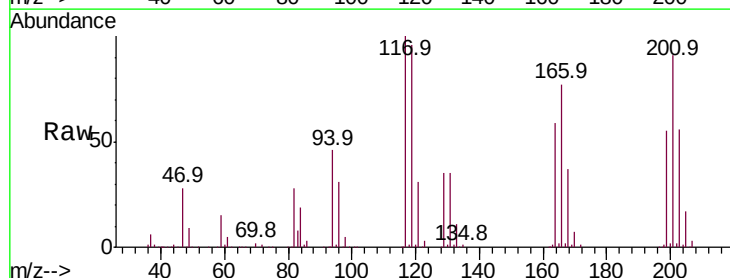
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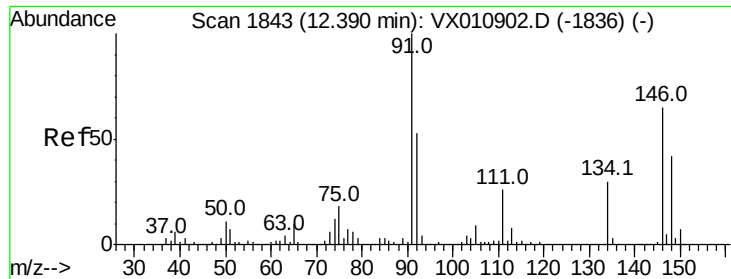
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#90
Hexachloroethane
Concen: 51.972 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011215.D
Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	43.3	129.8





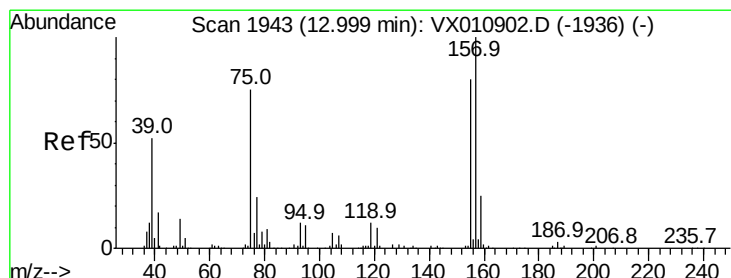
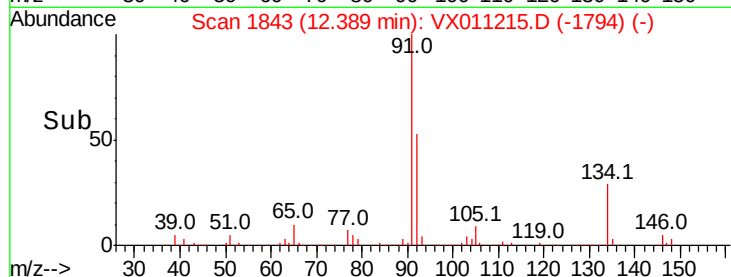
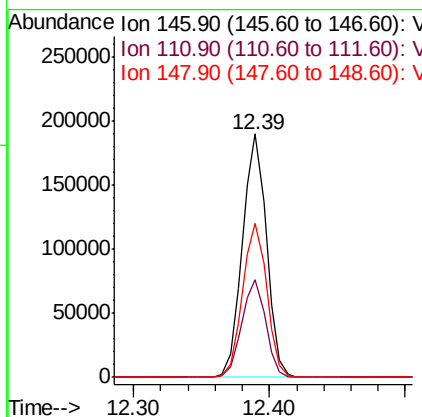
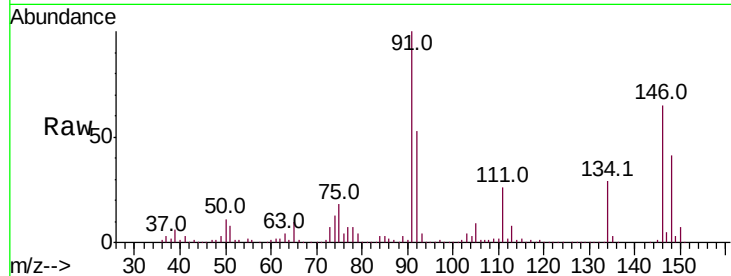
#91
 1,2-Dichlorobenzene
 Concen: 51.367 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233966		
111	39.9	19.9	59.7	
148	63.6	32.0	96.2	

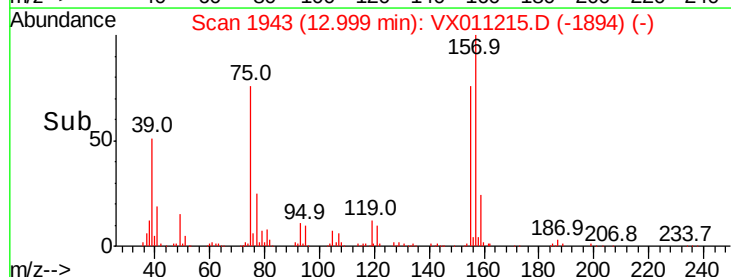
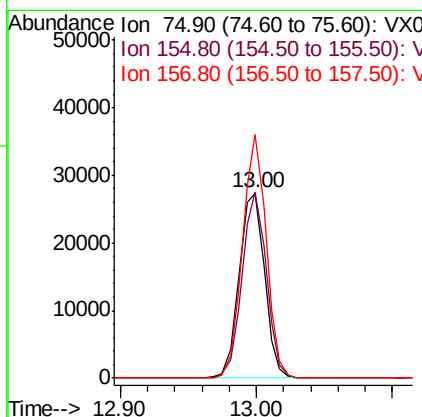
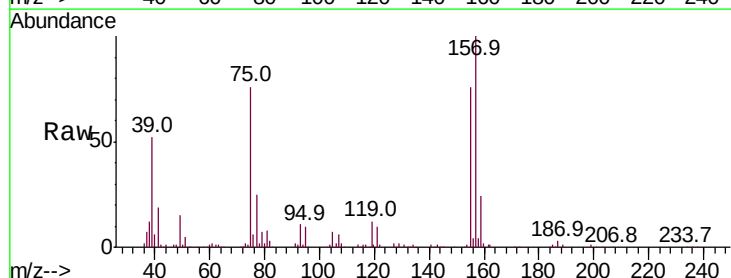
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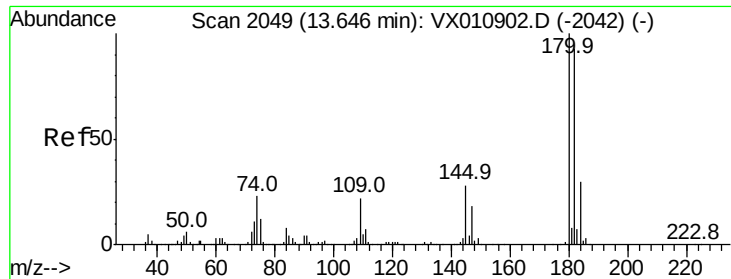
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.082 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35519		
155	96.6	48.7	146.1	
157	123.2	62.5	187.6	





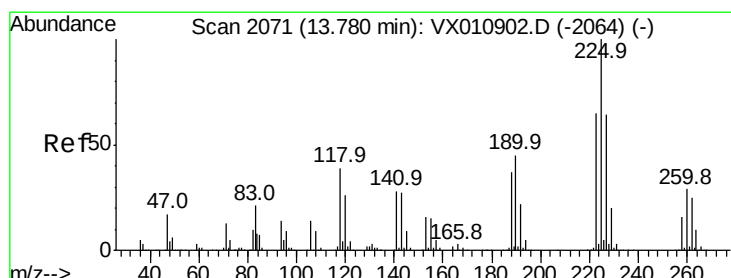
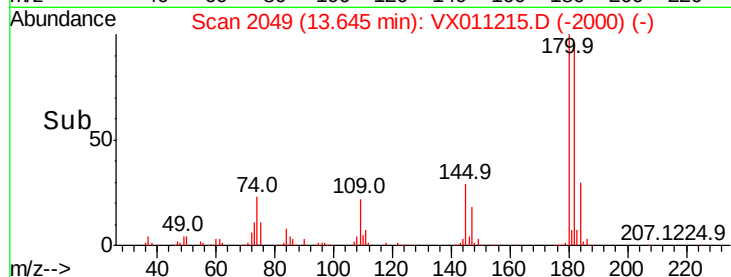
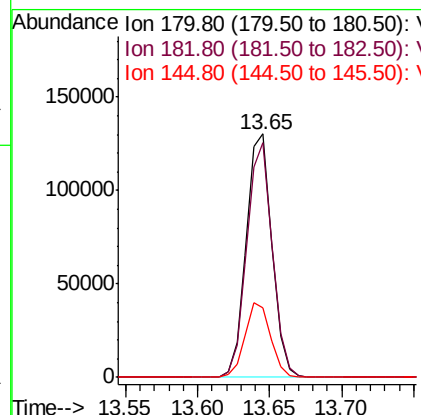
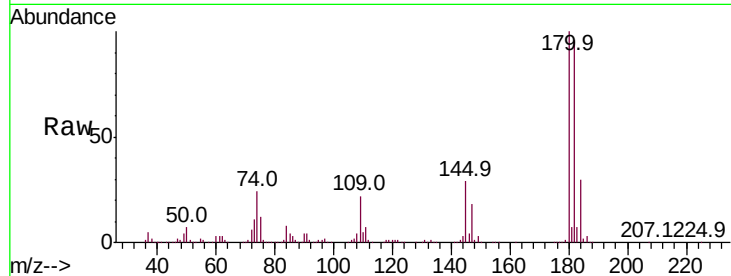
#93
 1,2,4-Trichlorobenzene
 Concen: 52.095 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	160809
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	30.6	14.8	44.4

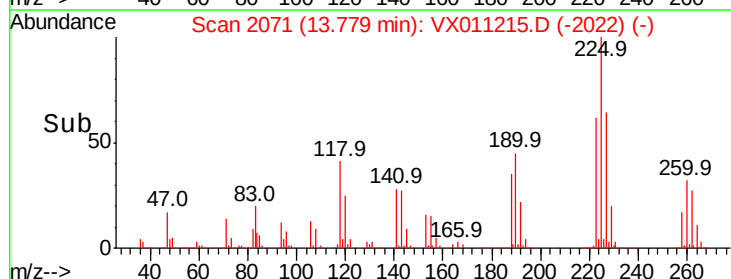
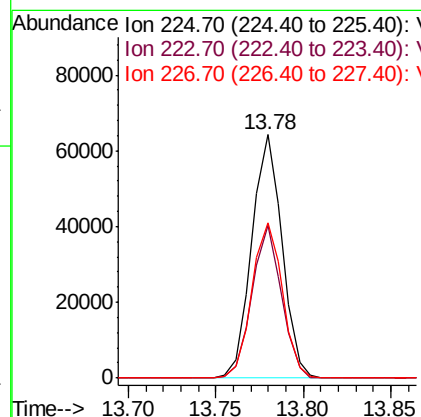
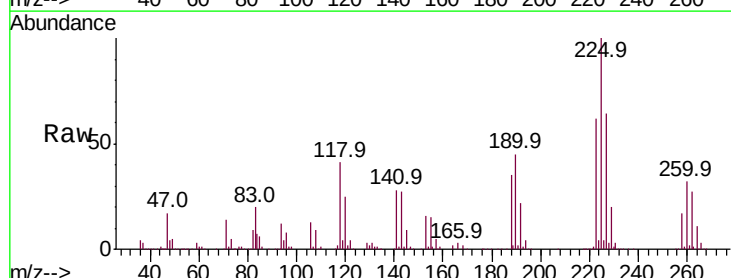
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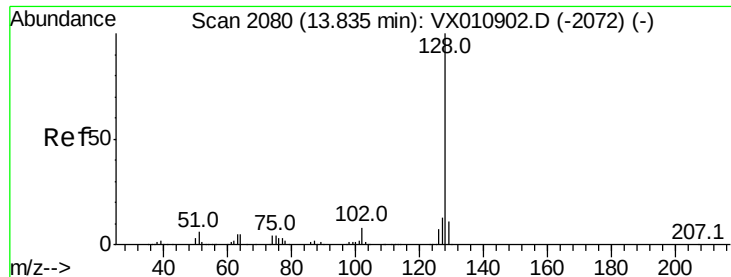
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#94
 Hexachlorobutadiene
 Concen: 50.545 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011215.D
 Acq: 30 Jul 2019 23:31

Tgt Ion:	225	Resp:	77318
Ion Ratio	Lower	Upper	
225	100		
223	60.8	31.9	95.9
227	64.2	32.5	97.4





#95

Naphthalene

Concen: 56.422 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Instrument :

MSVOA_X

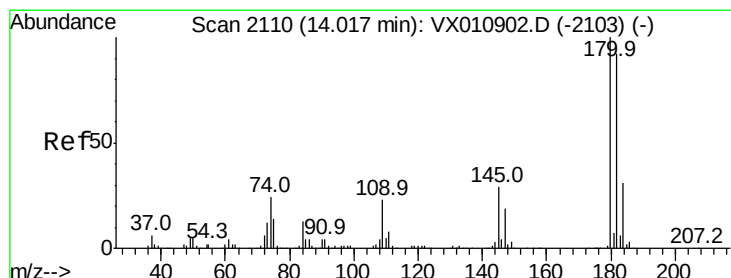
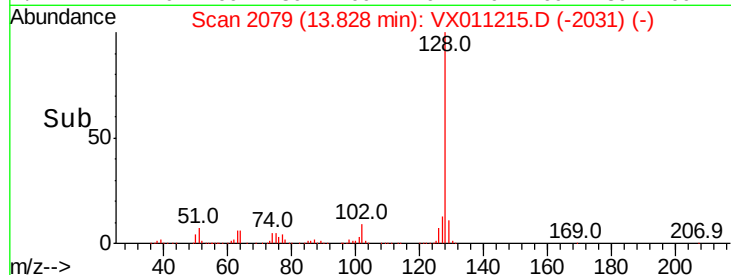
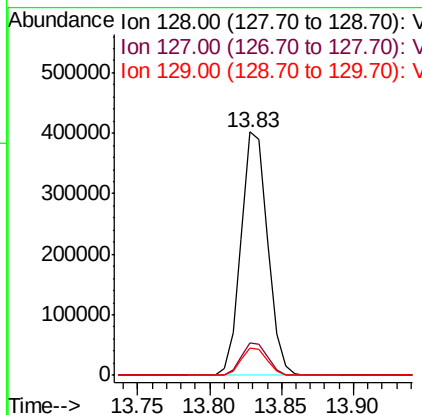
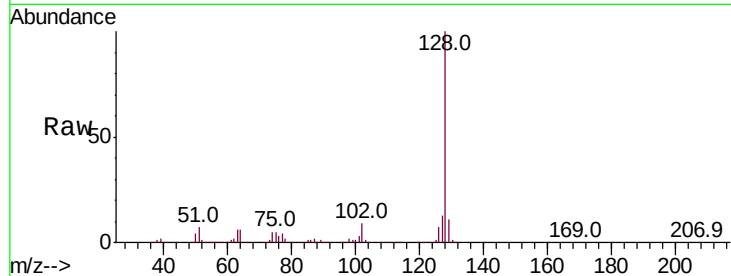
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	514302
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:55:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.933 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011215.D

Acq: 30 Jul 2019 23:31

Tgt Ion:	180	Resp:	165647
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.3
145	31.4	15.1	45.3

