

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041319\
 Data File : VX008925.D
 Acq On : 13 Apr 2019 11:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:55:13 PM

Quant Time: Apr 15 02:03:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	259294	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111596	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	5.49	113	84553	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	8.71	98	333912	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	123006	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108994	57.271	ug/l	99
3) Chloromethane	1.32	50	124105	53.322	ug/l	100
4) Vinyl Chloride	1.41	62	123532	48.017	ug/l	97
5) Bromomethane	1.64	94	70225	55.208	ug/l	100
6) Chloroethane	1.71	64	72766	51.906	ug/l	99
7) Trichlorofluoromethane	1.92	101	145834	51.280	ug/l	100
8) Diethyl Ether	2.18	74	64256	47.646	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	89497	48.880	ug/l	95
10) Methyl Iodide	2.51	142	96355	57.159	ug/l	99
11) Tert butyl alcohol	3.05	59	141485	250.614	ug/l	100
12) 1,1-Dichloroethene	2.37	96	89049	46.589	ug/l	98
13) Acrolein	2.29	56	96569	344.969	ug/l	98
14) Allyl chloride	2.73	41	210585	48.127	ug/l	99
15) Acrylonitrile	3.14	53	349845	233.916	ug/l	100
16) Acetone	2.45	43	322947	232.515	ug/l	99
17) Carbon Disulfide	2.57	76	270526	48.998	ug/l	100
18) Methyl Acetate	2.77	43	155271	46.094	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	346655	50.785	ug/l	99
20) Methylene Chloride	2.85	84	106617	45.859	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	98878	47.826	ug/l	94
22) Diisopropyl ether	3.85	45	406293	48.175	ug/l	99
23) Vinyl Acetate	3.81	43	1852636	252.516	ug/l	100
24) 1,1-Dichloroethane	3.69	63	201736	48.313	ug/l	99
25) 2-Butanone	4.67	43	530834	241.811	ug/l	100
26) 2,2-Dichloropropane	4.58	77	158181	53.786	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	114074	47.990	ug/l	99
28) Bromochloromethane	5.01	49	90424	51.960	ug/l	97
29) Tetrahydrofuran	5.12	42	342445	235.029	ug/l	99
30) Chloroform	5.21	83	181631	48.701	ug/l	99
31) Cyclohexane	5.57	56	202718	48.654	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	155563	51.617	ug/l	99
36) 1,1-Dichloropropene	5.79	75	145258	51.249	ug/l	99
37) Ethyl Acetate	4.83	43	200180	52.912	ug/l	100
38) Carbon Tetrachloride	5.78	117	131155	55.909	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187106	53.438	ug/l	99
40) Benzene	6.14	78	439321	52.029	ug/l	99
41) Methacrylonitrile	5.04	41	111467	51.257	ug/l	99
42) 1,2-Dichloroethane	6.19	62	154800	51.138	ug/l	100
43) Isopropyl Acetate	6.44	43	319824	53.965	ug/l	99
44) Trichloroethene	7.21	130	106730	54.271	ug/l	96
45) 1,2-Dichloropropane	7.51	63	124789	51.778	ug/l	98
46) Dibromomethane	7.66	93	71013	50.803	ug/l	97
47) Bromodichloromethane	7.90	83	143248	54.352	ug/l	98
48) Methyl methacrylate	7.77	41	160274	53.462	ug/l	99
49) 1,4-Dioxane	7.74	88	54565	971.610	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1004643	263.334	ug/l	99
52) Toluene	8.78	92	266063	53.447	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	170857	57.873	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	187001	55.434	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	106036	53.065	ug/l	98
56) Ethyl methacrylate	9.18	69	197212	54.547	ug/l	100
57) 1,3-Dichloropropane	9.37	76	188435	52.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	480927	260.507	ug/l	98
59) 2-Hexanone	9.49	43	771812	260.317	ug/l	100
60) Dibromochloromethane	9.58	129	107529	57.106	ug/l	99
61) 1,2-Dibromoethane	9.67	107	110369	53.056	ug/l	99
64) Tetrachloroethene	9.34	164	97651	57.169	ug/l	98
65) Chlorobenzene	10.13	112	272000	53.224	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	99253	55.361	ug/l	99
67) Ethyl Benzene	10.25	91	511166	53.641	ug/l	100
68) m/p-Xylenes	10.36	106	369849	107.944	ug/l	98
69) o-Xylene	10.69	106	178413	53.731	ug/l	98
70) Styrene	10.71	104	313968	54.854	ug/l	99
71) Bromoform	10.85	173	80720	58.951	ug/l #	99
73) Isopropylbenzene	11.02	105	483743	53.910	ug/l	100
74) N-amyl acetate	10.90	43	275298	52.147	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	167368	49.044	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	148433m	49.903	ug/l	
77) Bromobenzene	11.26	156	116832	54.161	ug/l	96
78) n-propylbenzene	11.36	91	562795	53.866	ug/l	100
79) 2-Chlorotoluene	11.42	91	328609	51.973	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	407073	54.045	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	62960	58.348	ug/l	97
82) 4-Chlorotoluene	11.51	91	377689	51.606	ug/l	98
83) tert-Butylbenzene	11.77	119	386533	53.341	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	409954	53.752	ug/l	99
85) sec-Butylbenzene	11.94	105	472627	54.909	ug/l	99
86) p-Isopropyltoluene	12.06	119	431622	55.869	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	208813	54.072	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	204193	52.217	ug/l	100
89) n-Butylbenzene	12.38	91	404498	55.830	ug/l	99
90) Hexachloroethane	12.60	117	73579	57.422	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	200183	52.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38013	50.636	ug/l	96

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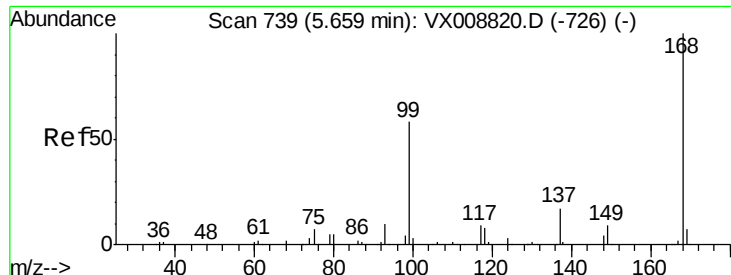
Manual Integrations
APPROVED

MMDadoda
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Quant Time: Apr 15 02:03:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	148807	55.818	ug/l	99
94) Hexachlorobutadiene	13.78	225	75250	58.857	ug/l	100
95) Naphthalene	13.83	128	470456	52.800	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145874	54.766	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: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 165332

Ion Ratio Lower Upper

168 100

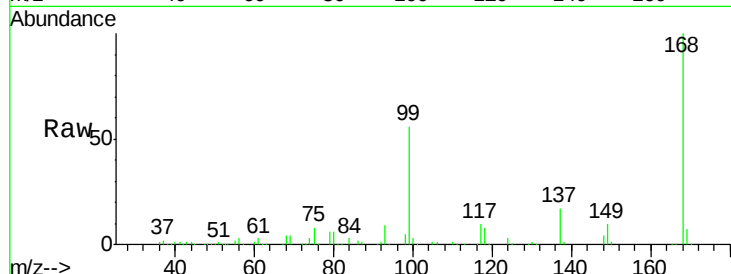
99 56.1 46.7 70.1

Manual Integrations

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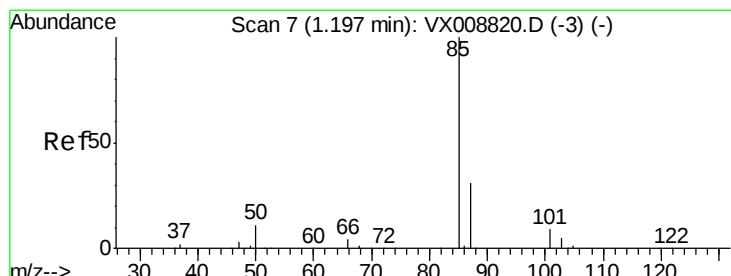
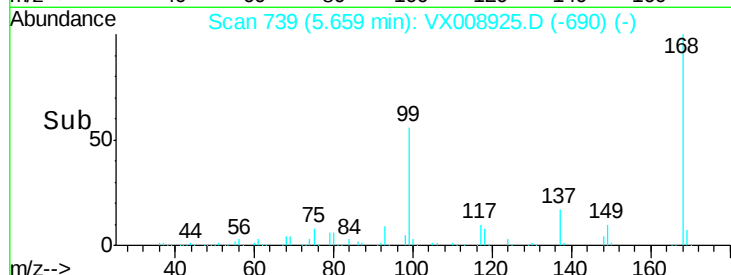
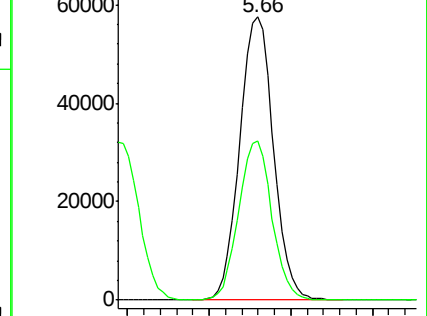
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 57.271 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008925.D

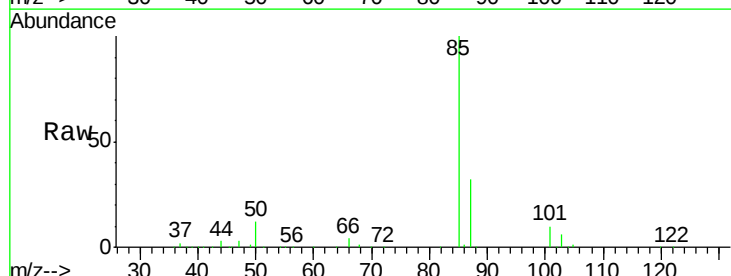
Acq: 13 Apr 2019 11:26

Tgt Ion: 85 Resp: 108994

Ion Ratio Lower Upper

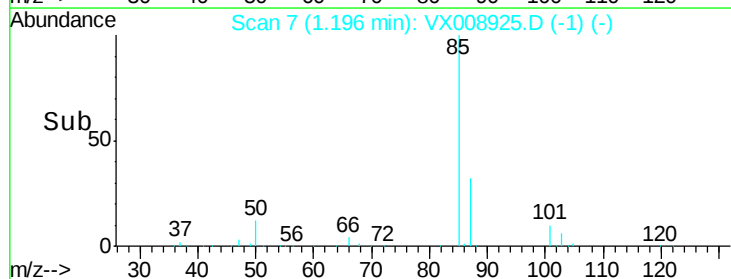
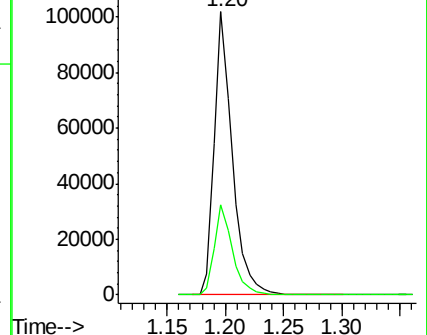
85 100

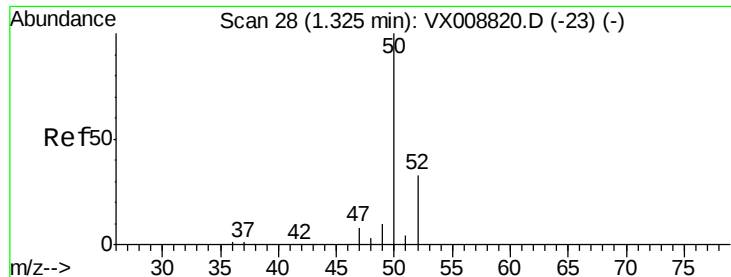
87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.322 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124105

Ion Ratio Lower Upper

50 100

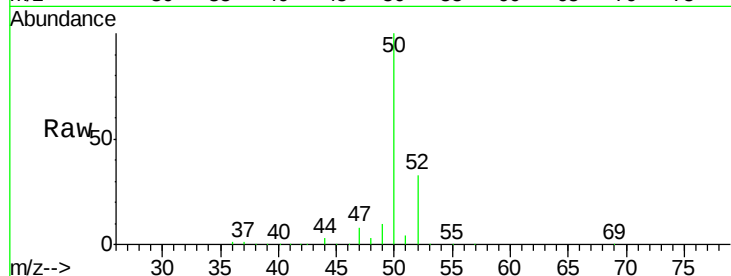
52 32.5 25.8 38.8

Manual Integrations

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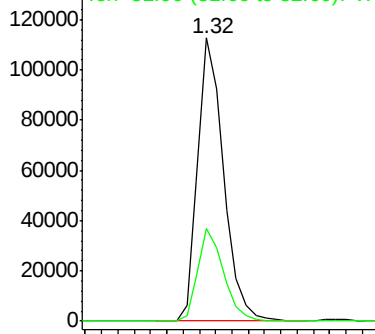
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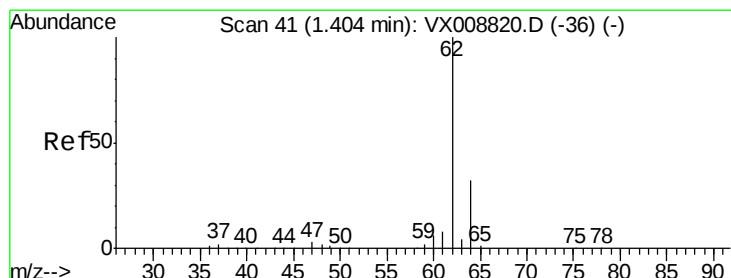
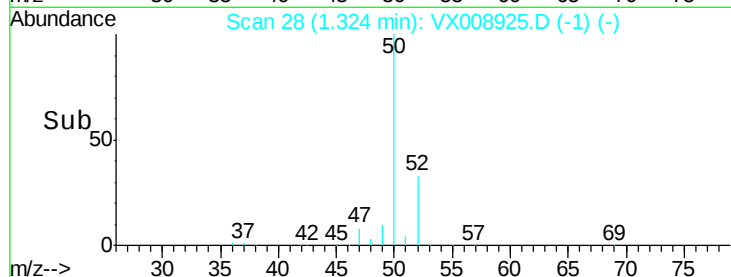


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 48.017 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008925.D

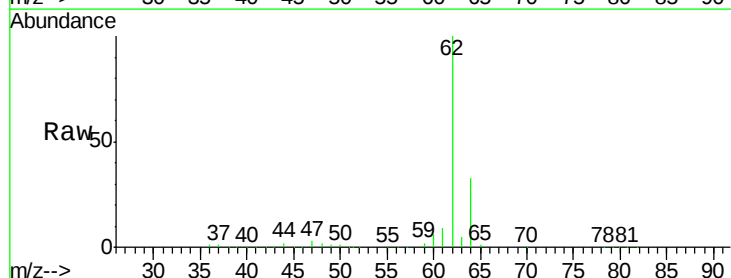
Acq: 13 Apr 2019 11:26

Tgt Ion: 62 Resp: 123532

Ion Ratio Lower Upper

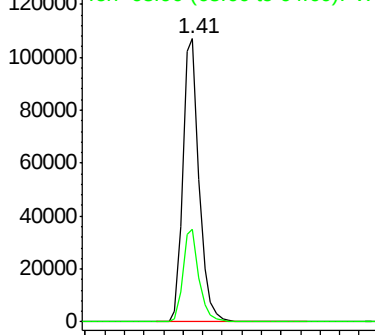
62 100

64 32.6 24.7 37.1

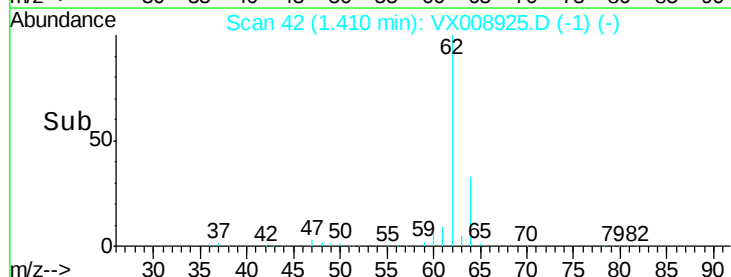


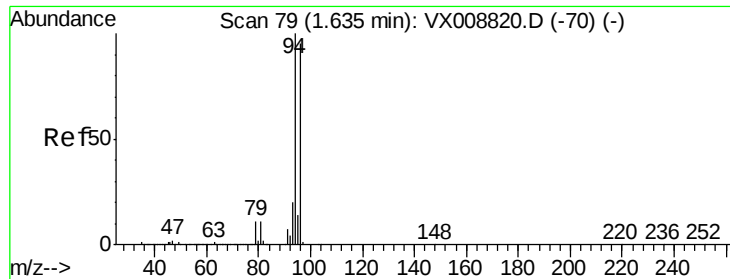
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 55.208 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70225

Ion Ratio Lower Upper

94 100

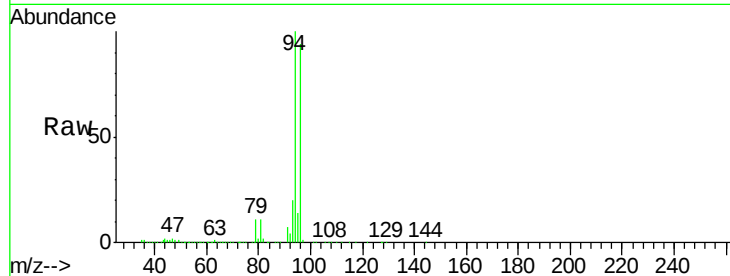
96 93.7 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

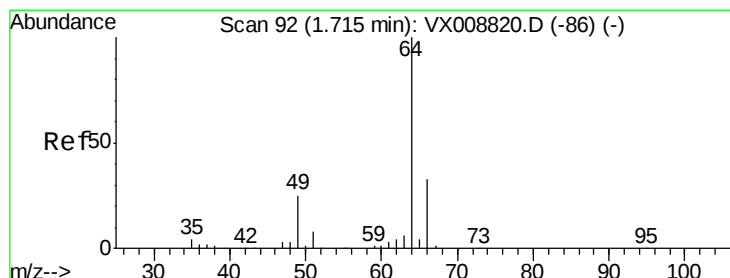
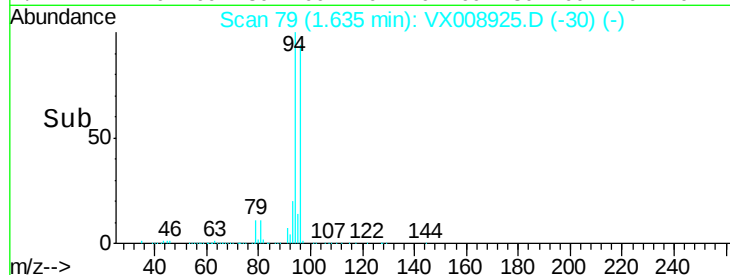
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.906 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008925.D

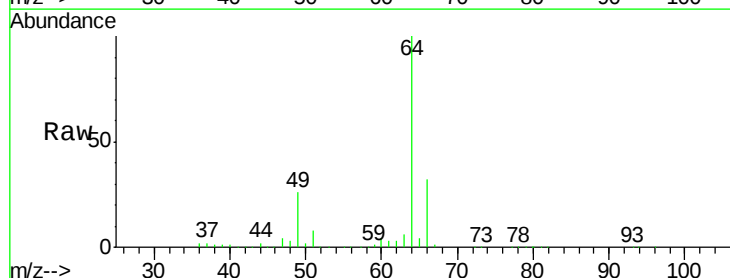
Acq: 13 Apr 2019 11:26

Tgt Ion: 64 Resp: 72766

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

50000

40000

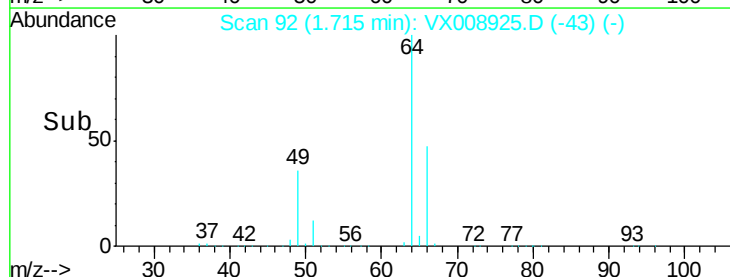
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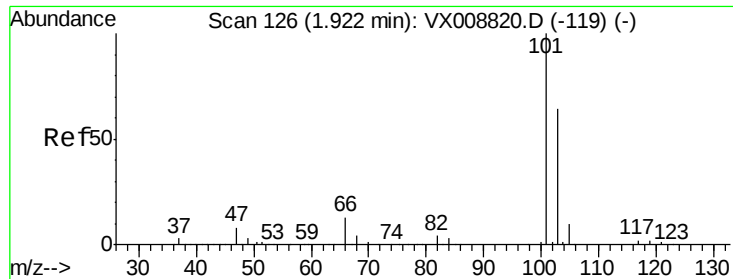
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10000

0

Time-->





#7

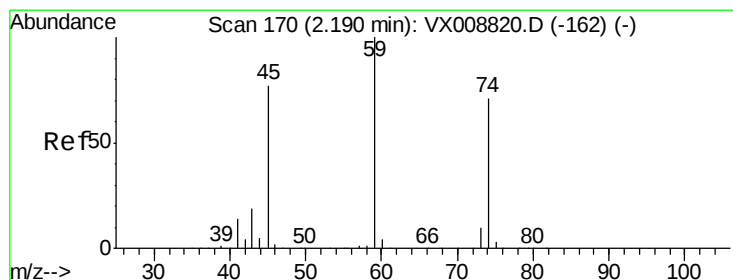
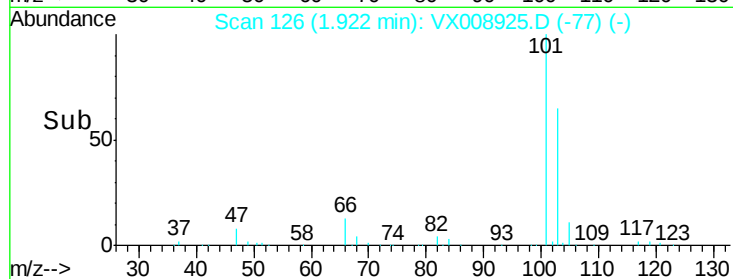
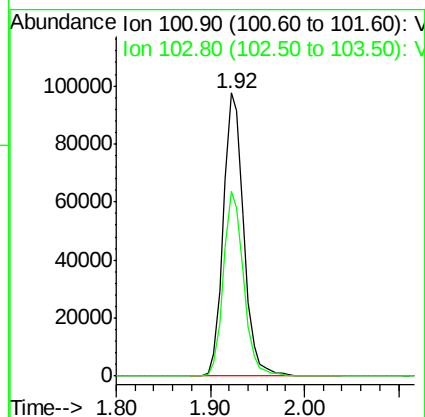
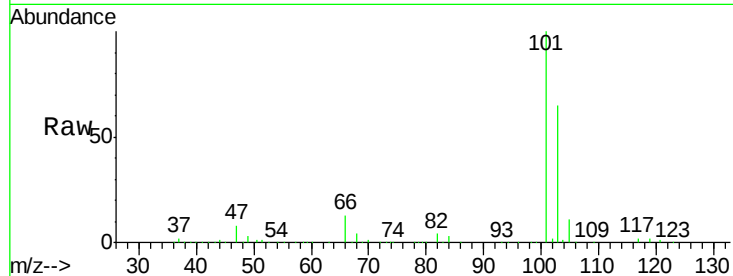
Trichlorofluoromethane
 Concen: 51.280 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 101 Resp: 145834
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.3 78.5

Manual Integrations
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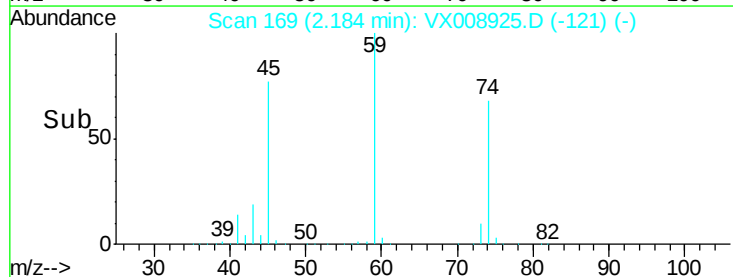
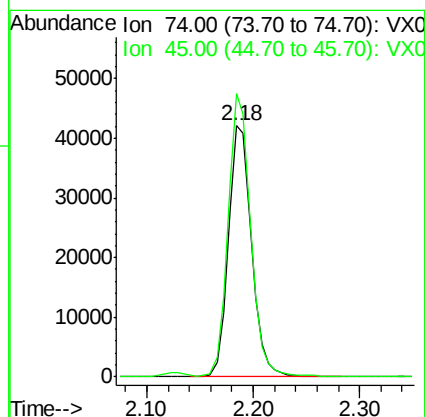
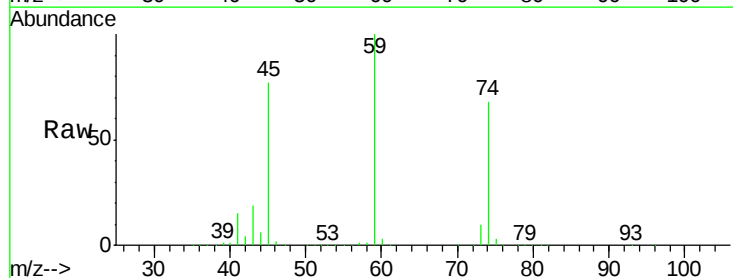
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 4/15/2019 12:55:13 PM

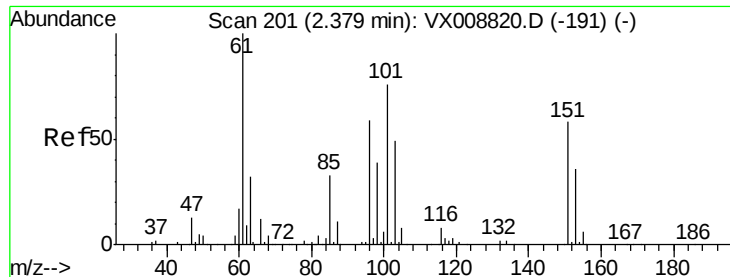


#8

Diethyl Ether
 Concen: 47.646 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion: 74 Resp: 64256
 Ion Ratio Lower Upper
 74 100
 45 109.3 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.880 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

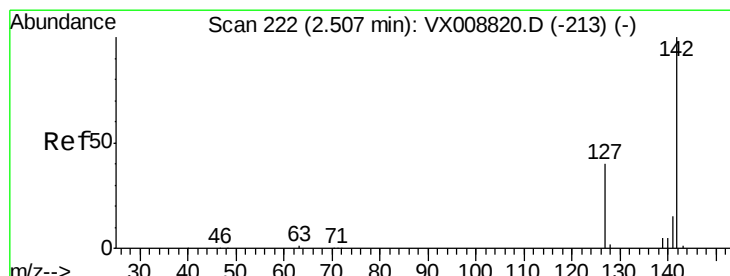
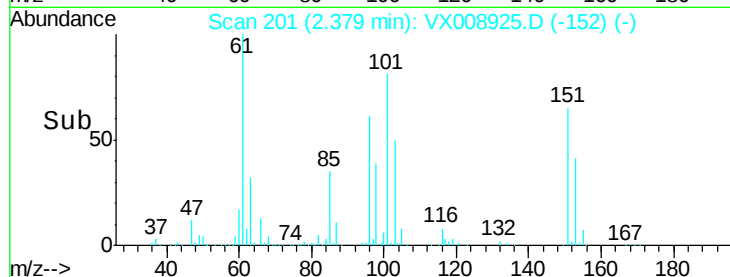
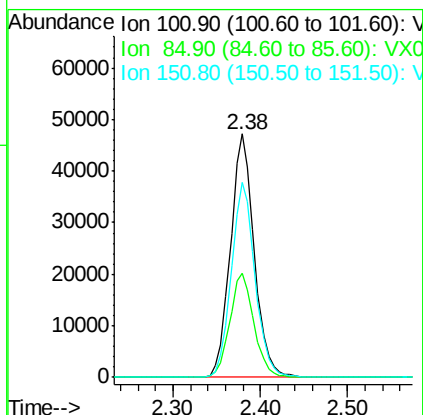
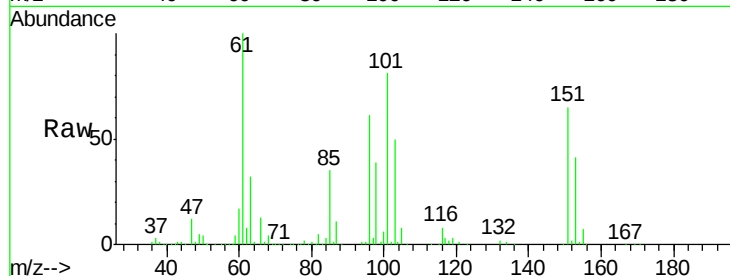
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89497
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	79.9	59.9	89.9

Manual Integrations
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4/15/2019 12:55:13 PM



#10

Methyl Iodide

Concen: 57.159 ug/l

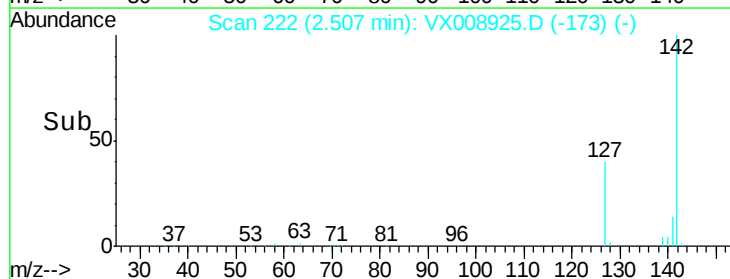
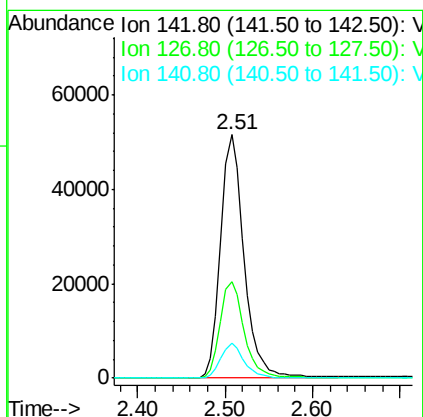
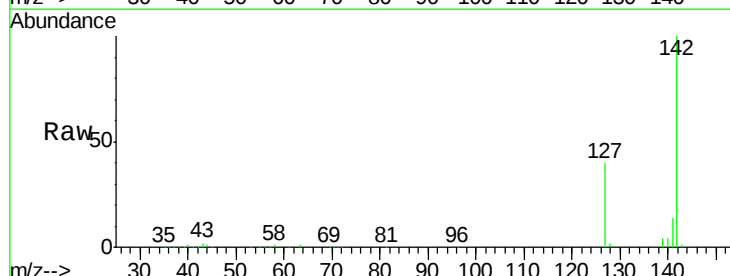
RT: 2.51 min Scan# 222

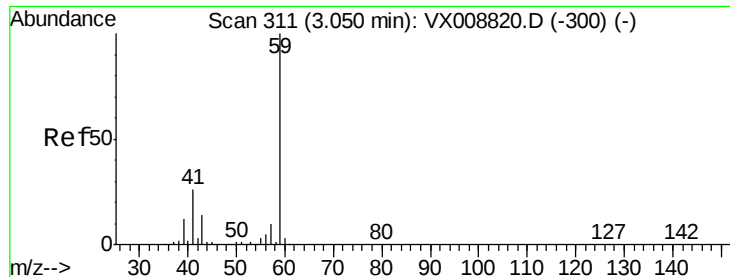
Delta R.T. 0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	142	Resp:	96355
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.0	49.6
141	14.3	11.4	17.2





#11

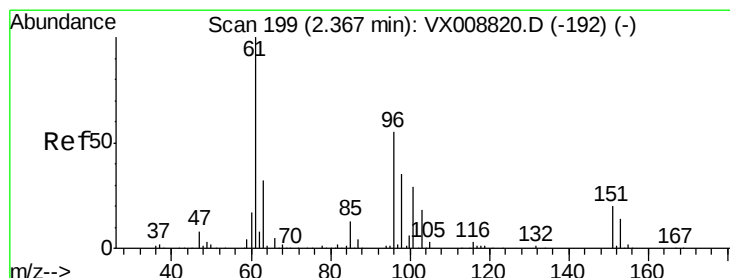
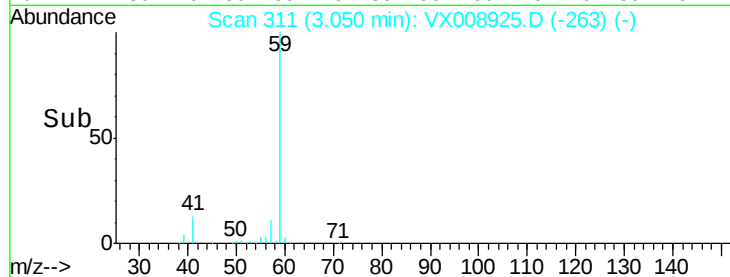
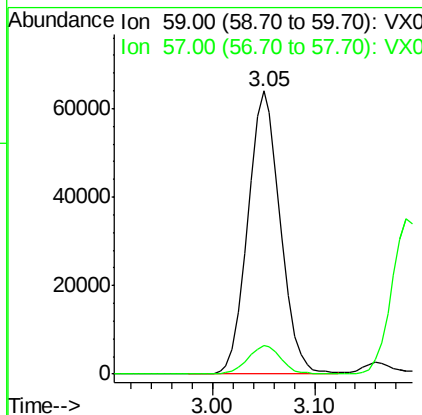
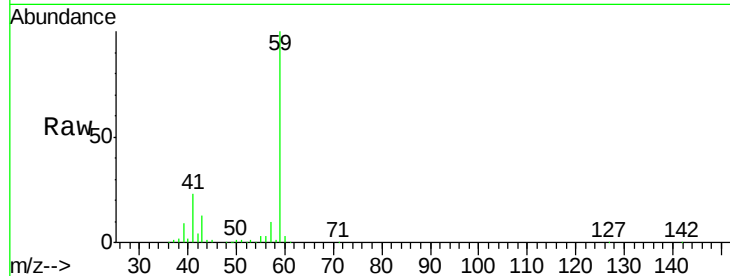
Tert butyl alcohol
 Concen: 250.614 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	10.3	Resp	Lower	Upper
141485								
							8.3	12.5

Manual Integrations
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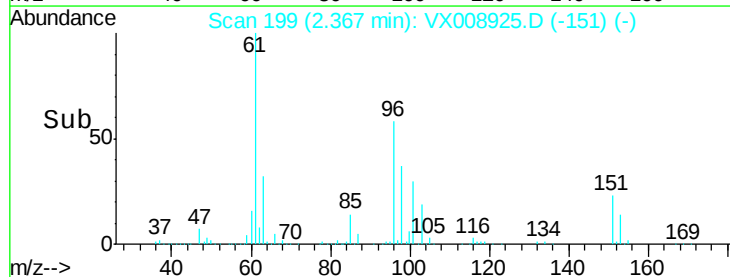
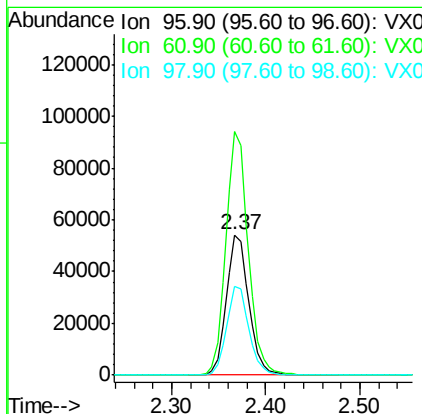
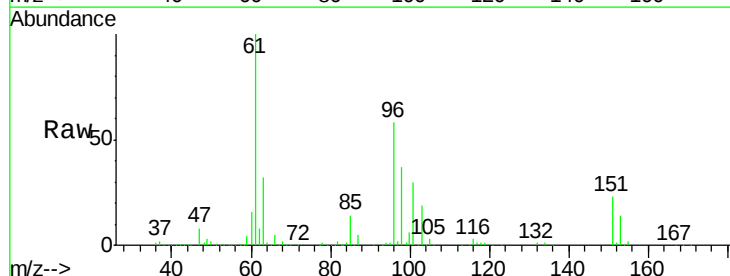
MMDadoda
 4/15/2019 12:55:13 PM

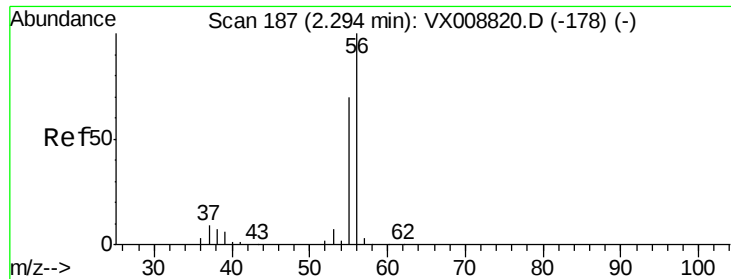


#12

1,1-Dichloroethene
 Concen: 46.589 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion	96	61	98	Ratio	100	173.4	63.6	Resp	Lower	Upper
89049										
									140.9	211.3
									52.1	78.1





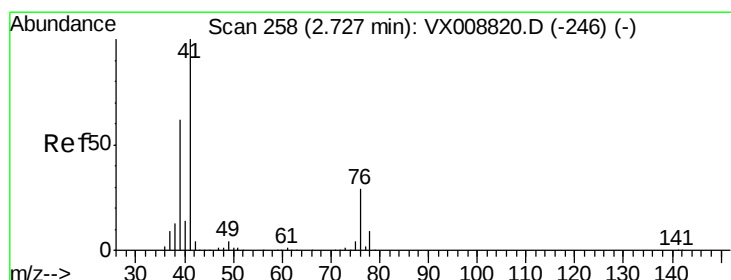
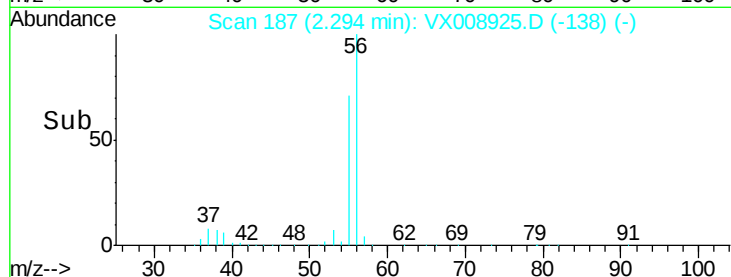
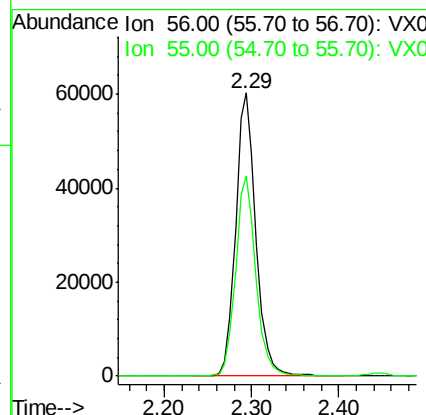
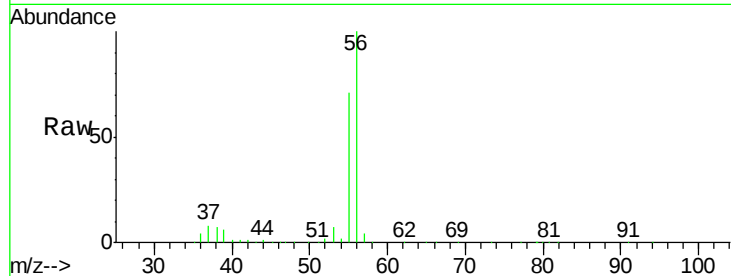
#13
Acrolein
Concen: 344.969 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	70.8	Resp	96569	Lower	58.0	Upper	87.0
Ion											

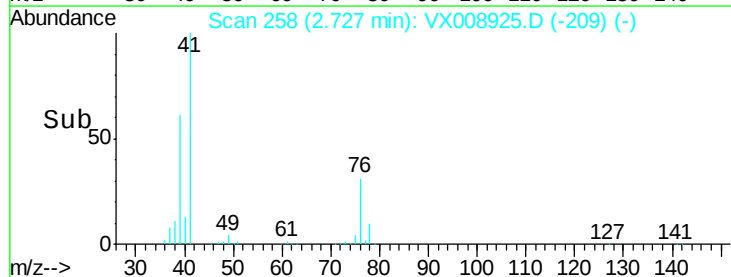
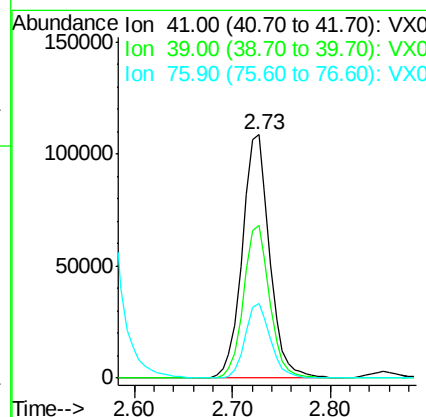
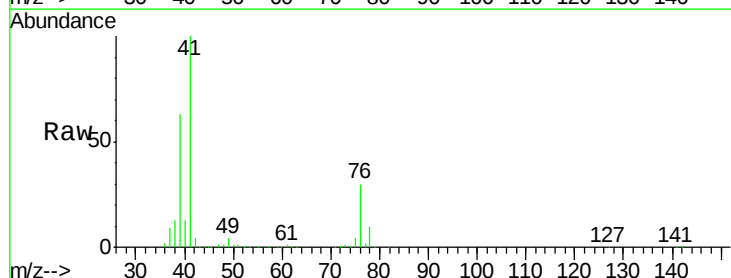
Manual Integrations
APPROVED

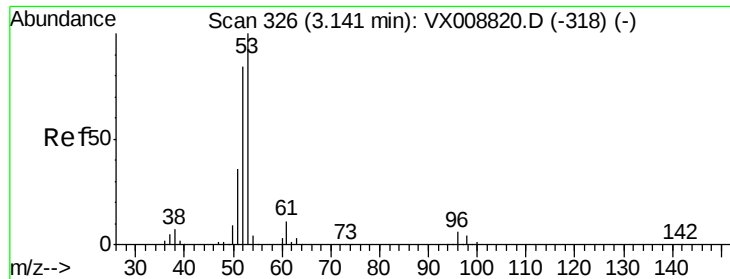
MMDadoda
4/15/2019 12:55:13 PM



#14
Allyl chloride
Concen: 48.127 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	41	39	76	Ratio	100	59.6	28.1	Resp	210585	Lower	48.0	22.0	Upper	72.0	33.0
Ion															





#15

Acrylonitrile

Concen: 233.916 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

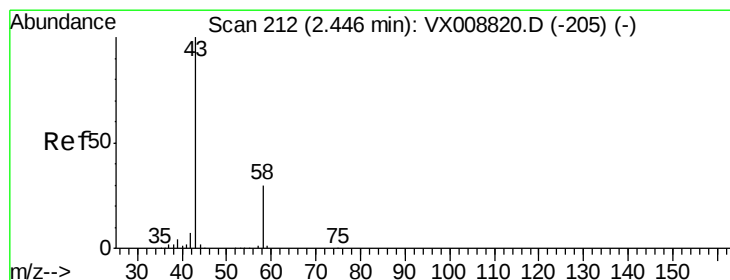
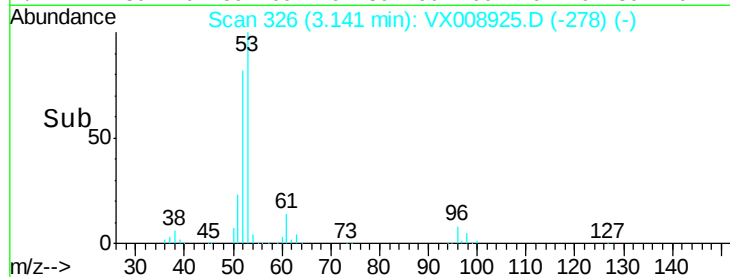
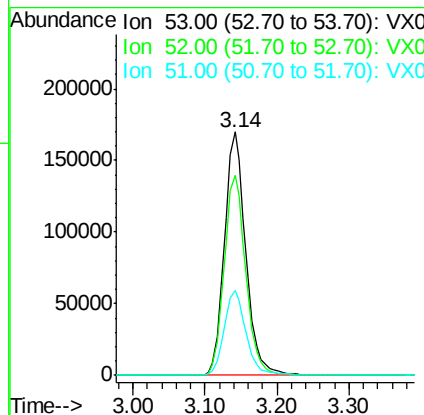
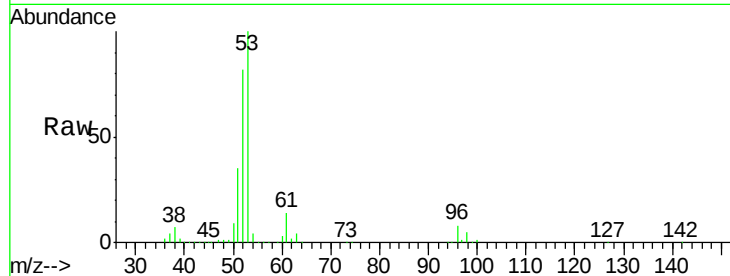
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	349845
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.5	99.7
51	35.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 232.515 ug/l

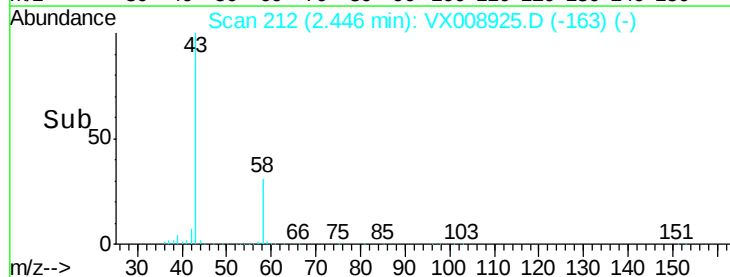
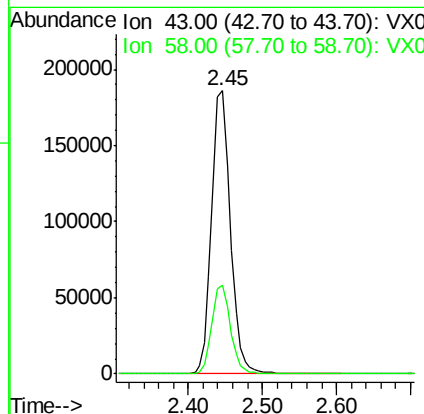
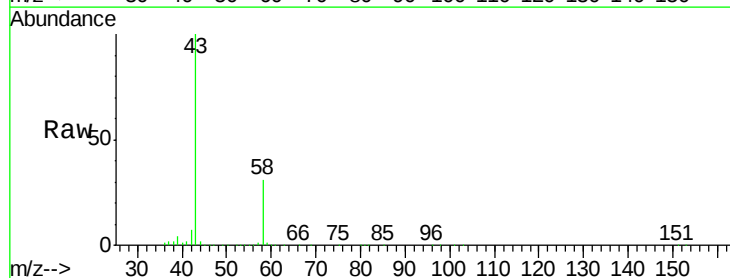
RT: 2.45 min Scan# 212

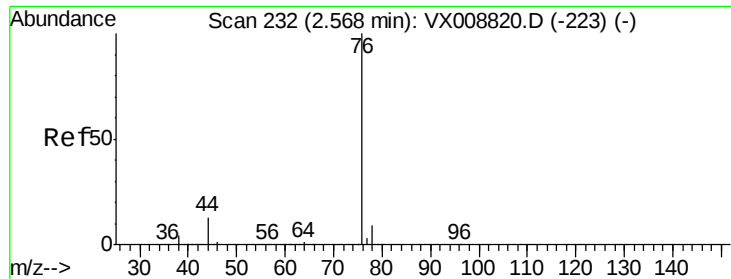
Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	43	Resp:	322947
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.8	37.2





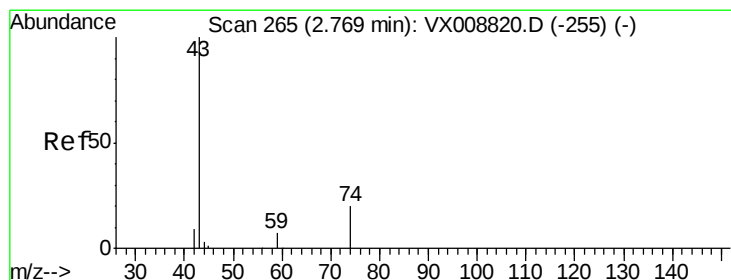
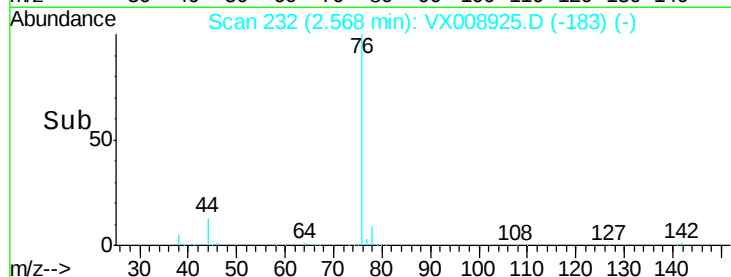
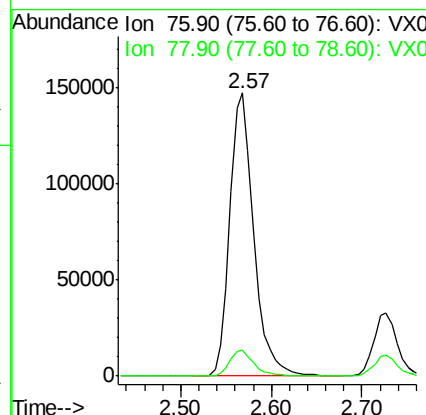
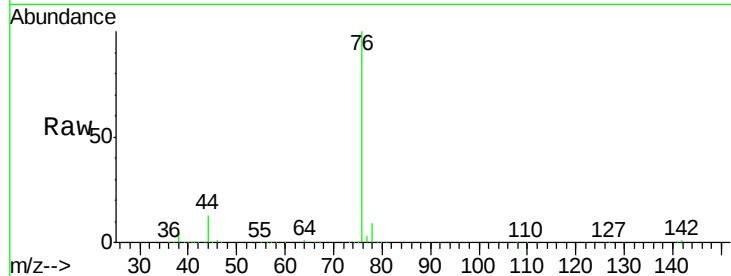
#17
Carbon Disulfide
Concen: 48.998 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

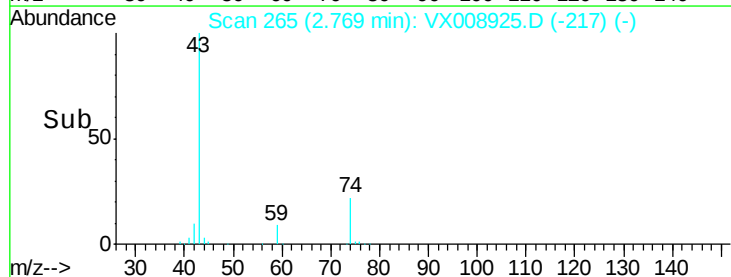
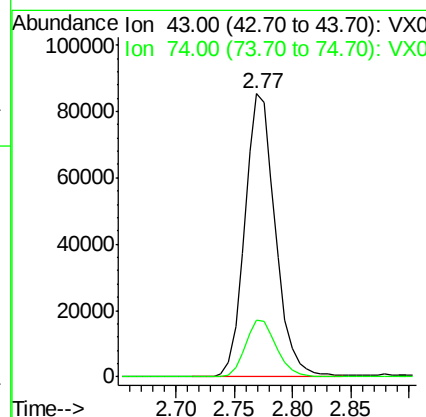
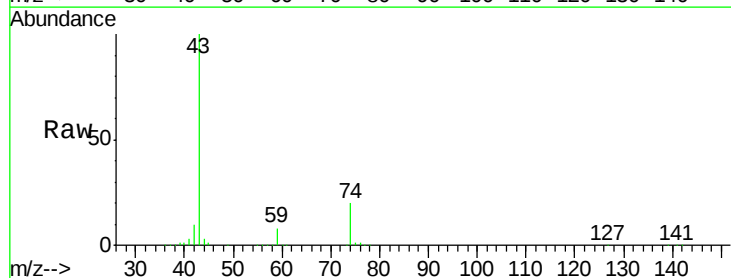
Manual Integrations
APPROVED

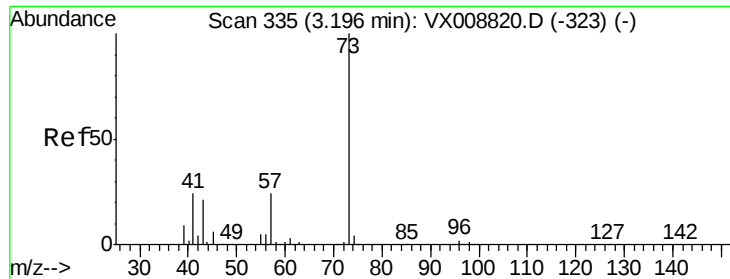
MMDadoda
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#18
Methyl Acetate
Concen: 46.094 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.5	24.7





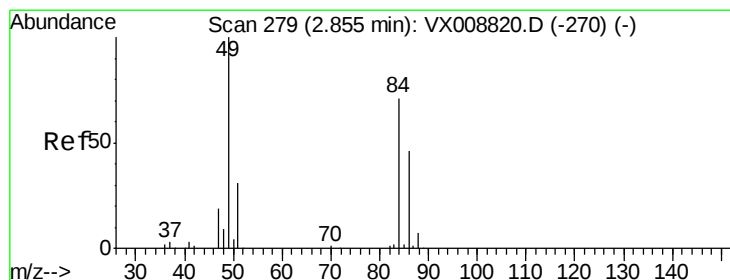
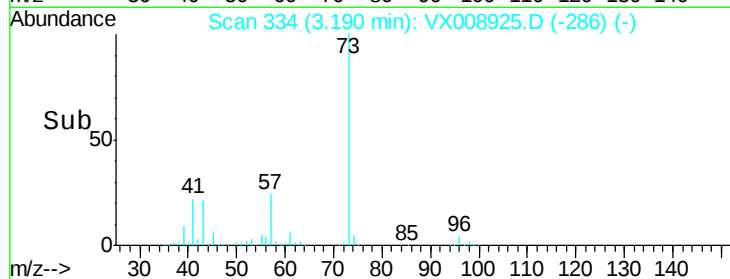
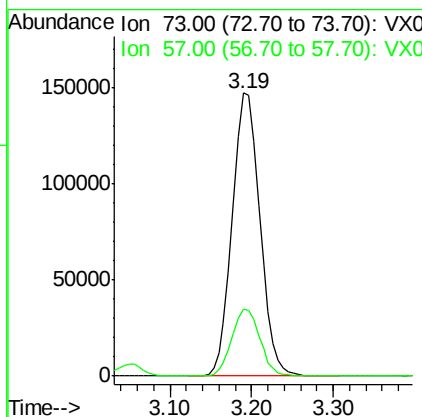
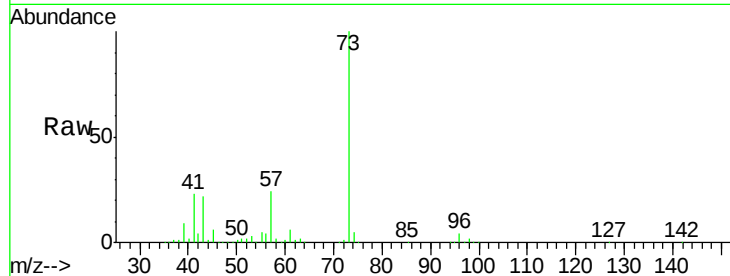
#19
Methyl tert-butyl Ether
Concen: 50.785 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.5	29.3

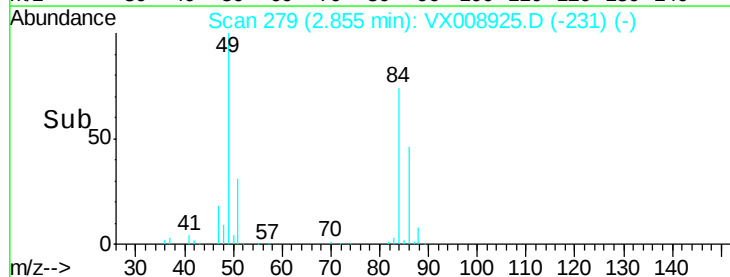
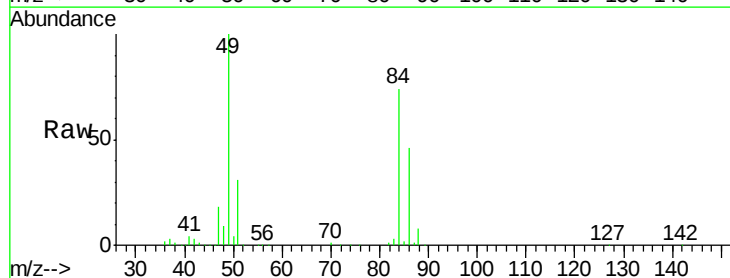
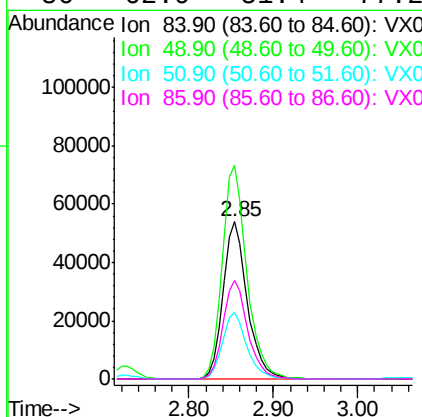
Manual Integrations
APPROVED

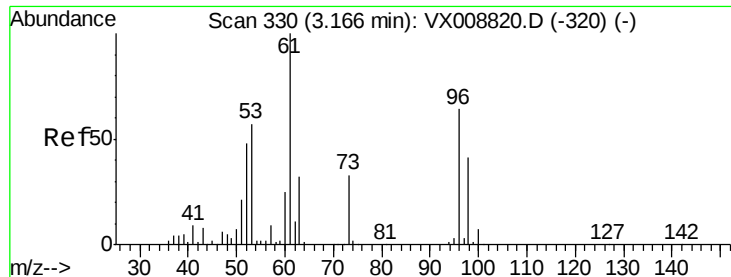
MMDadoda
4/15/2019 12:55:13 PM



#20
Methylene Chloride
Concen: 45.859 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.0	109.7	164.5
51	42.5	33.6	50.4
86	62.9	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 47.826 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 98878

Ion Ratio Lower Upper

96 100

61 155.2 132.1 198.1

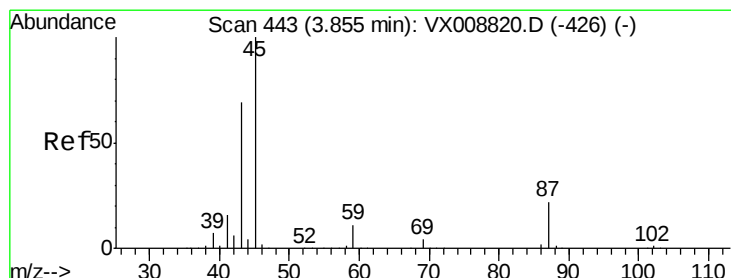
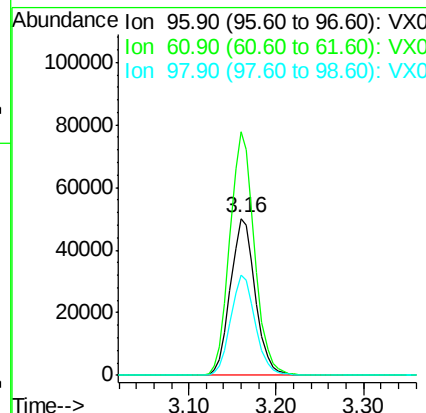
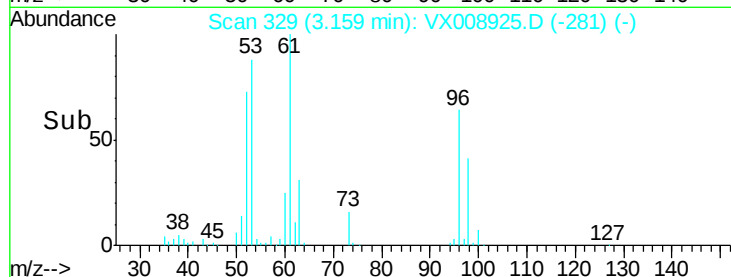
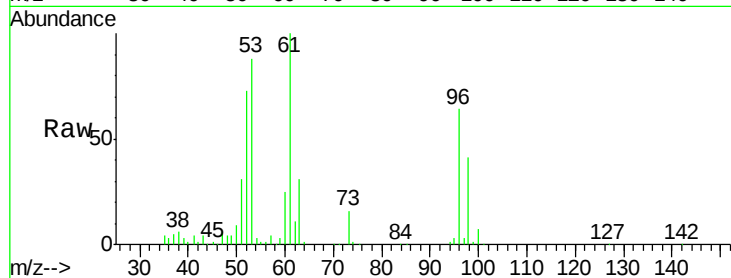
98 63.5 52.2 78.2

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 48.175 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion: 45 Resp: 406293

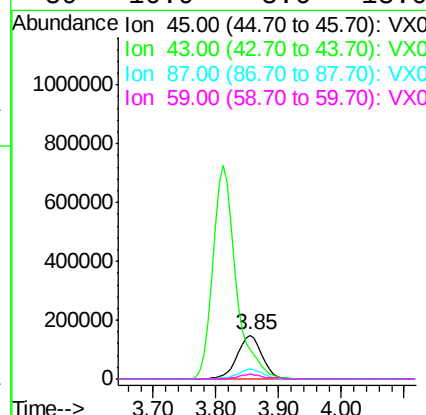
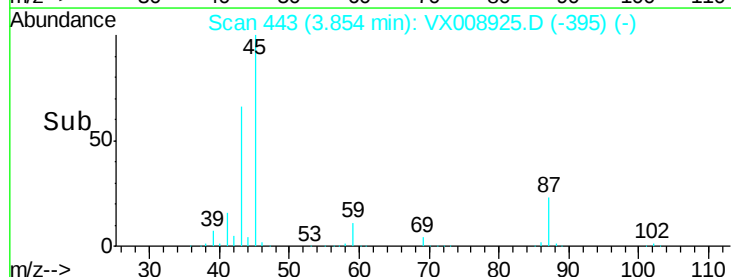
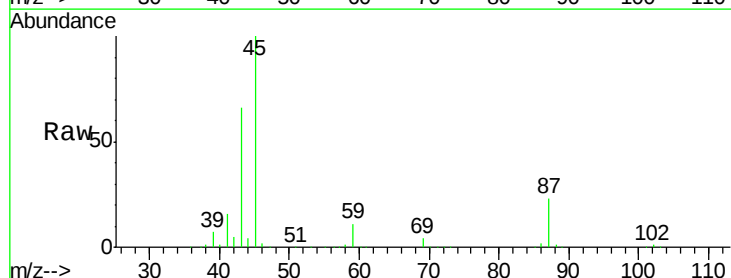
Ion Ratio Lower Upper

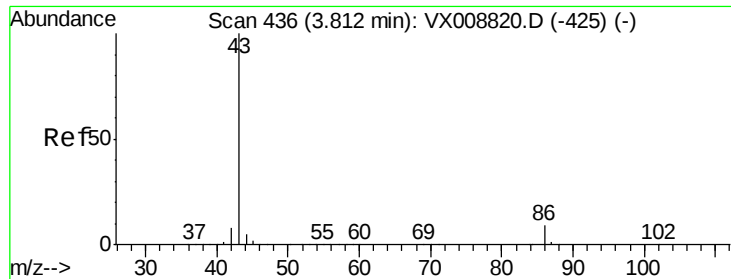
45 100

43 65.7 51.3 76.9

87 22.8 18.1 27.1

59 10.9 8.6 13.0





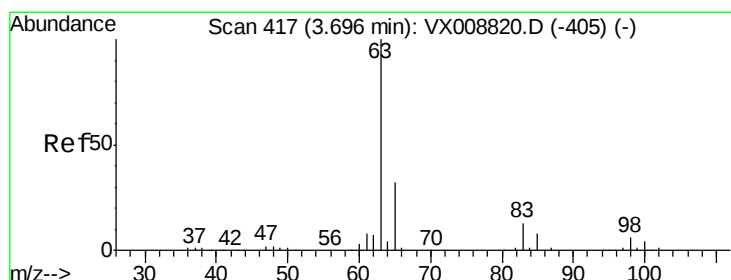
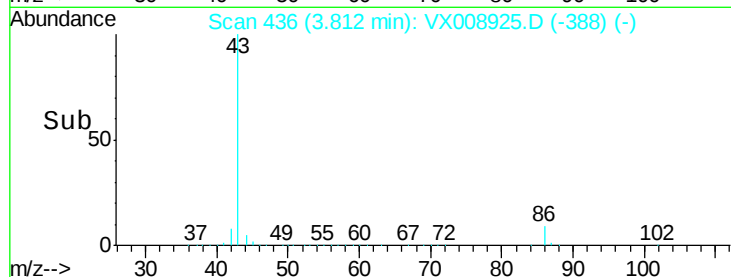
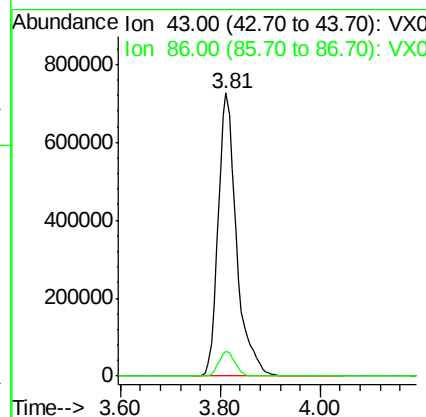
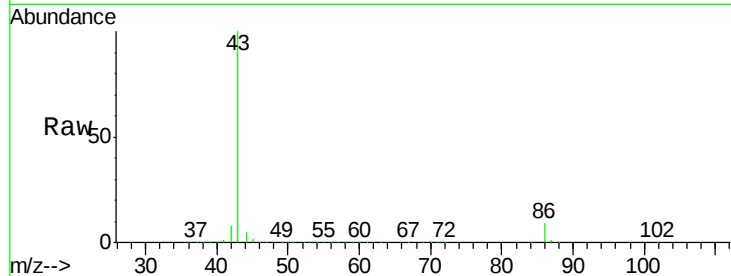
#23
 Vinyl Acetate
 Concen: 252.516 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1852636
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.0 10.6

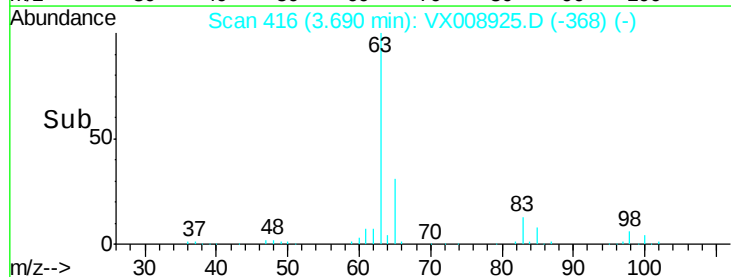
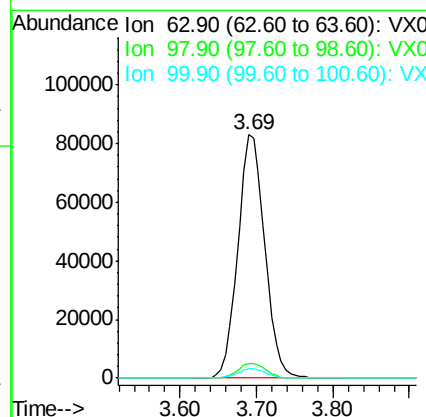
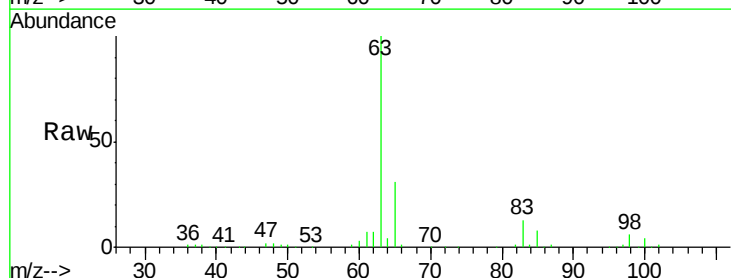
Manual Integrations
 APPROVED

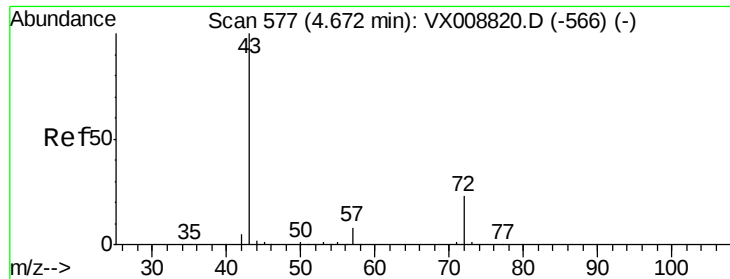
MMDadoda
 4/15/2019 12:55:13 PM



#24
 1,1-Dichloroethane
 Concen: 48.313 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion: 63 Resp: 201736
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 241.811 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 530834

Ion Ratio Lower Upper

43 100

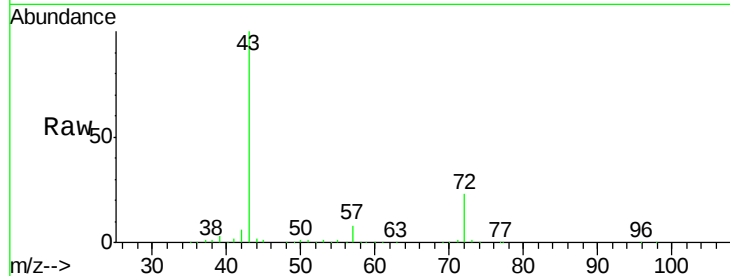
72 22.8 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

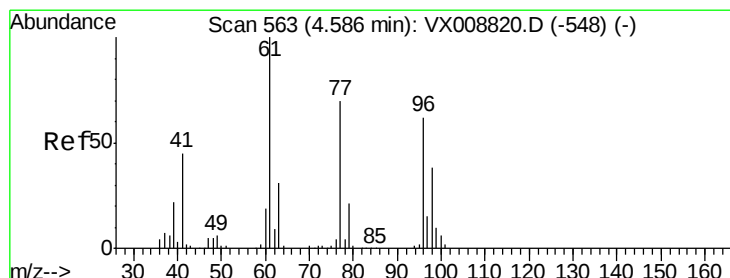
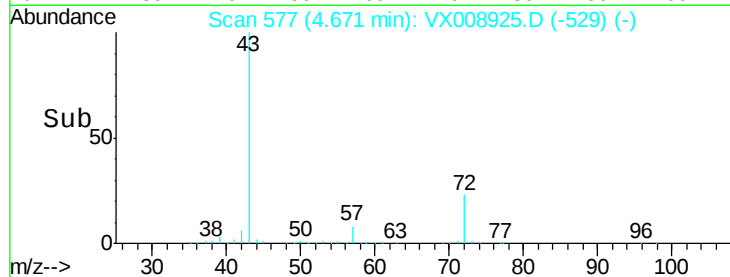
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 53.786 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008925.D

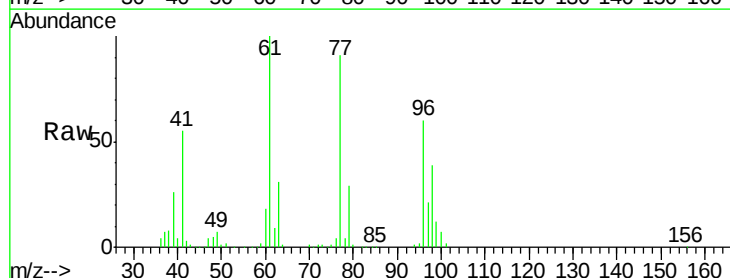
Acq: 13 Apr 2019 11:26

Tgt Ion: 77 Resp: 158181

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

20000

10000

0

4.40

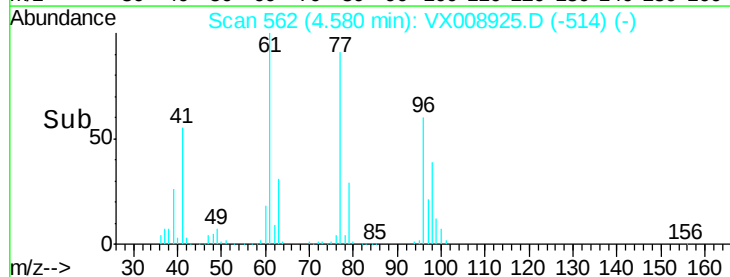
4.50

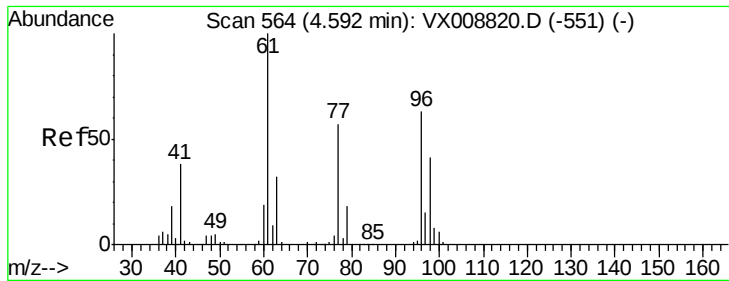
4.60

4.70

4.80

Time-->





#27

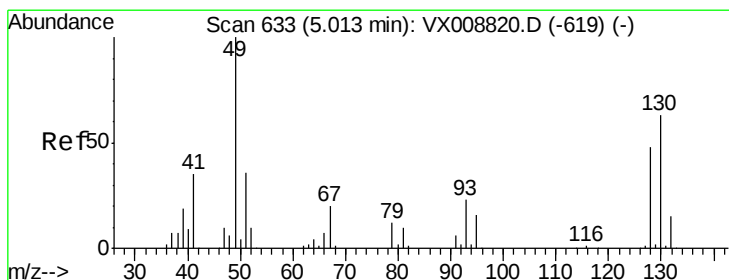
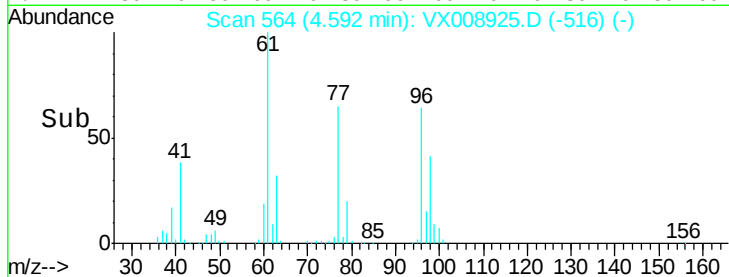
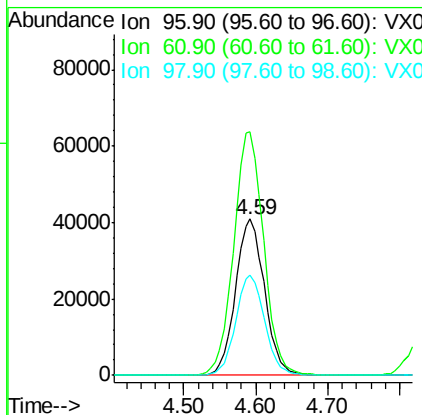
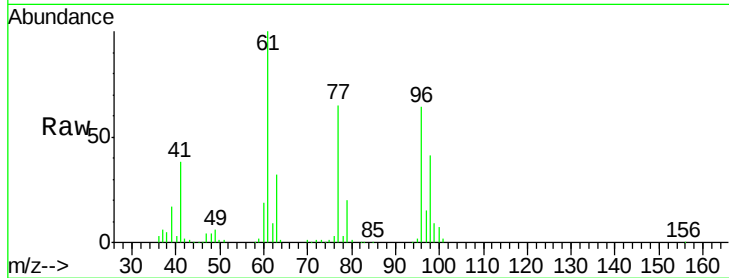
cis-1,2-Dichloroethene
Concen: 47.990 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	327.6
98	64.0	0.0	128.6

Manual Integrations
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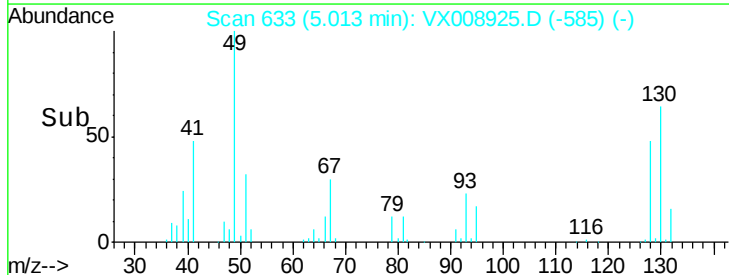
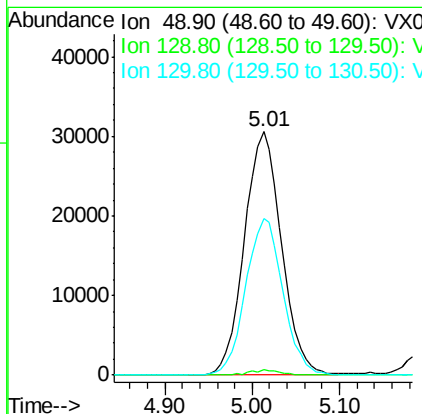
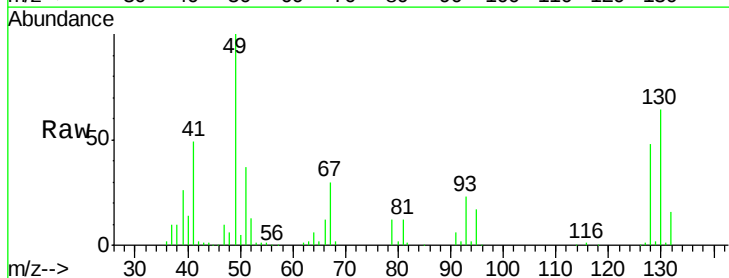
MMDadoda
4/15/2019 12:55:13 PM

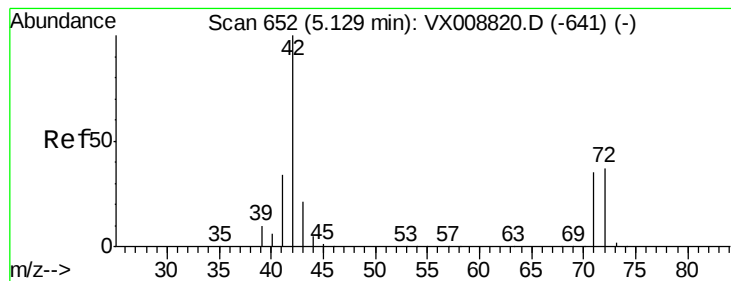


#28

Bromochloromethane
Concen: 51.960 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	64.3	49.3	73.9





#29

Tetrahydrofuran

Concen: 235.029 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

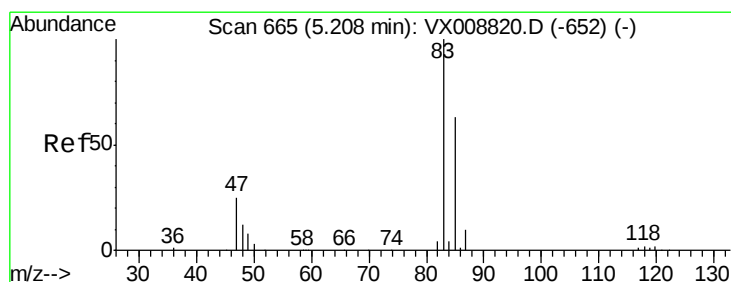
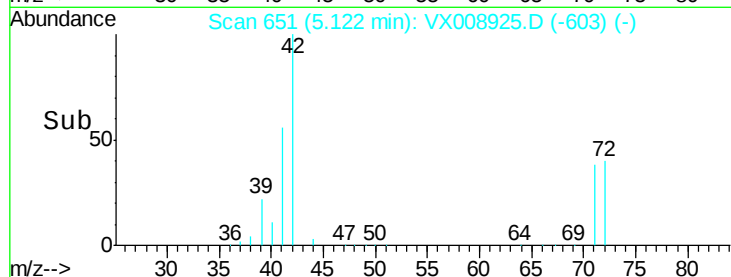
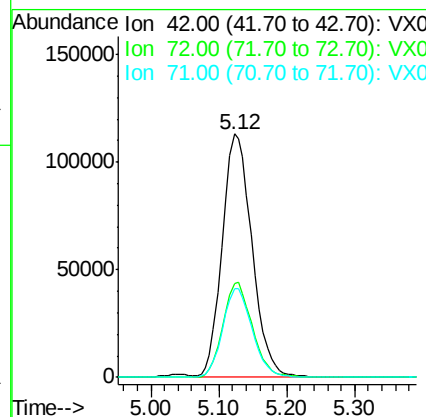
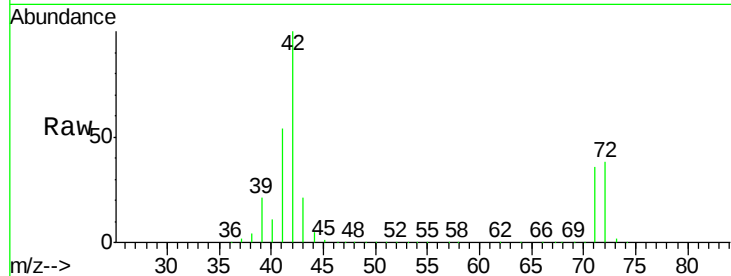
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	342445
Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.5	45.7
71	36.3	28.6	43.0

Manual Integrations
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4/15/2019 12:55:13 PM



#30

Chloroform

Concen: 48.701 ug/l

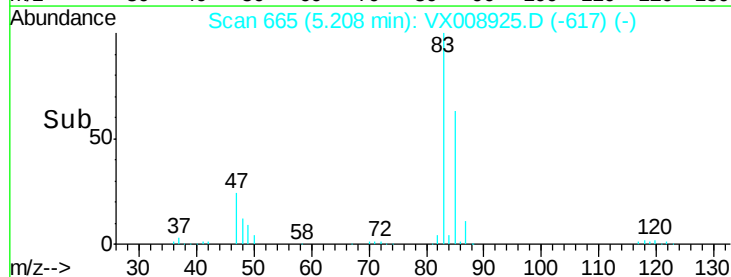
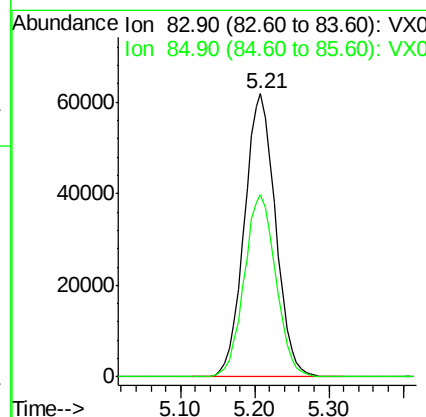
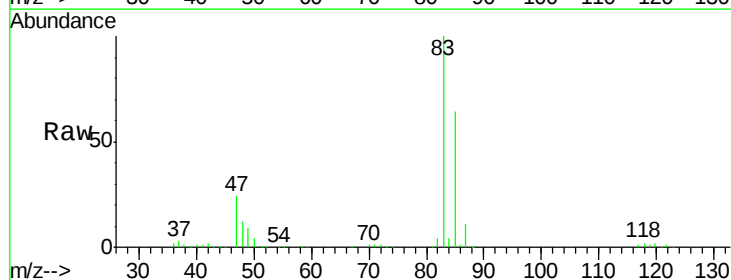
RT: 5.21 min Scan# 665

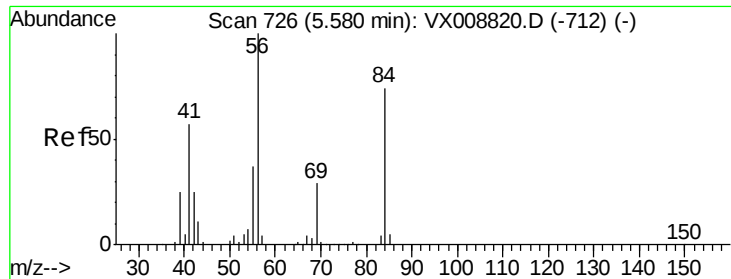
Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	83	Resp:	181631
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





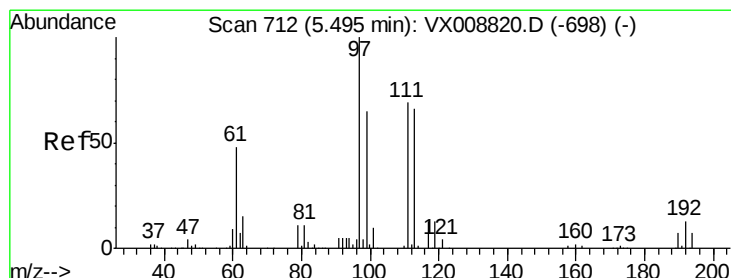
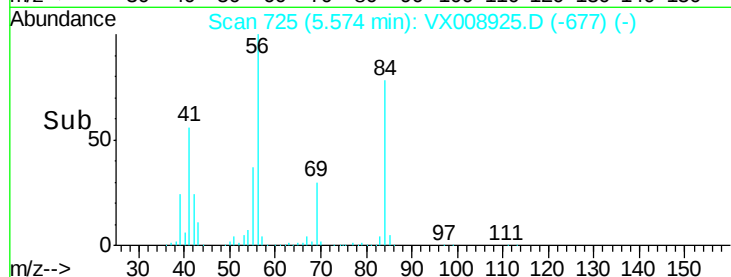
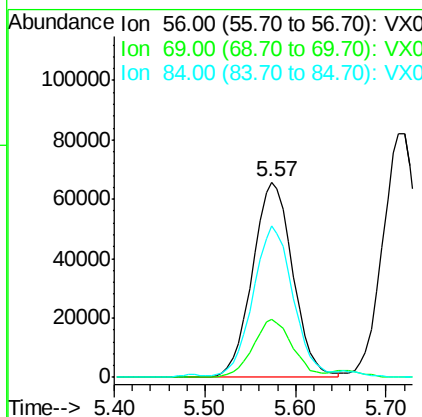
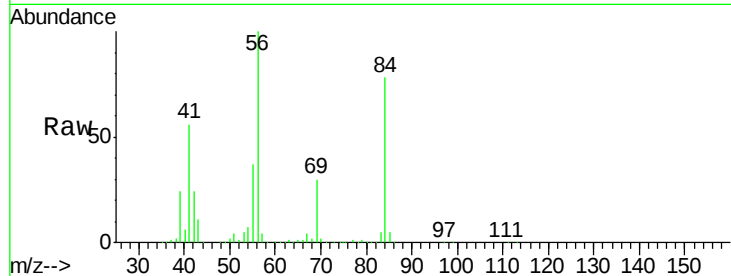
#31
Cyclohexane
Concen: 48.654 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	22.6	33.8
84	76.3	59.3	88.9

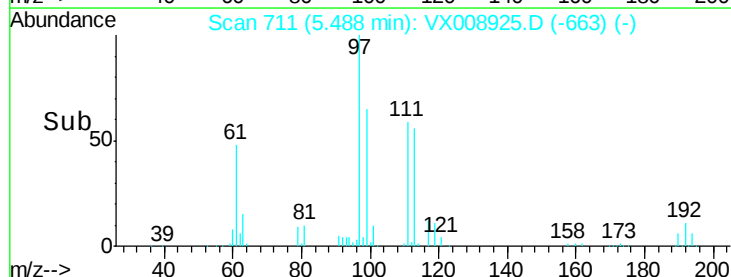
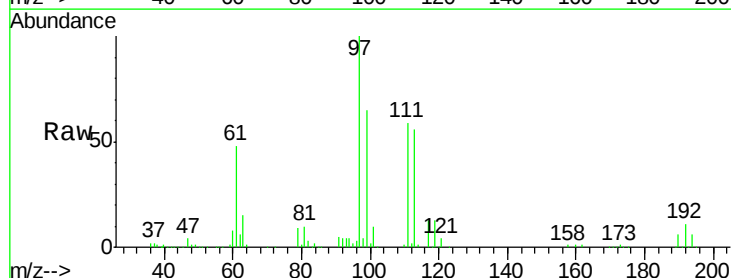
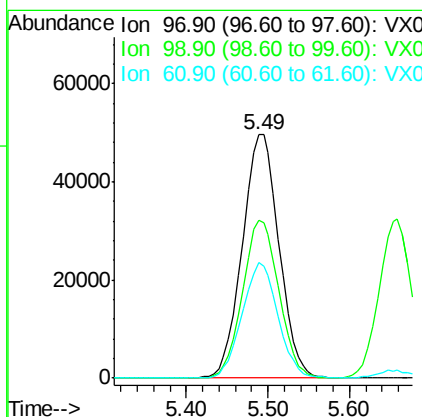
Manual Integrations
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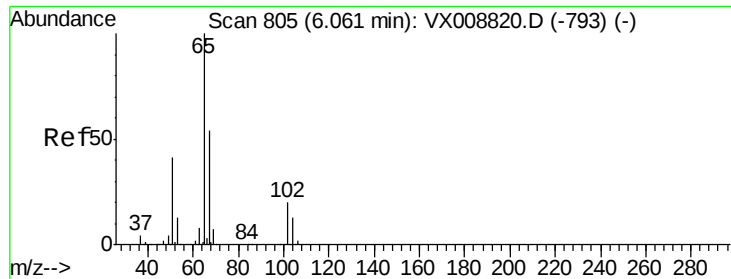
MMDadoda
4/15/2019 12:55:13 PM



#32
1,1,1-Trichloroethane
Concen: 51.617 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	46.4	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 46.277 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 111596

Ion Ratio Lower Upper

65 100

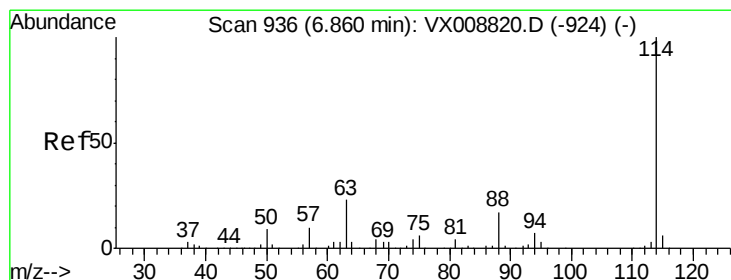
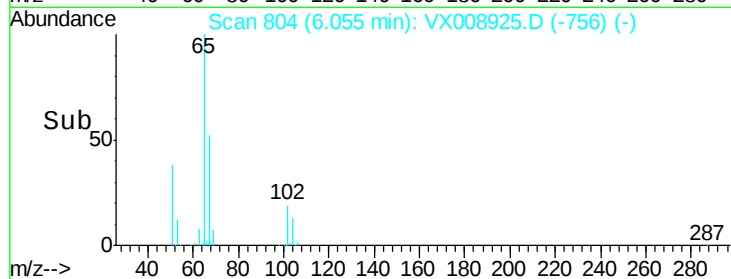
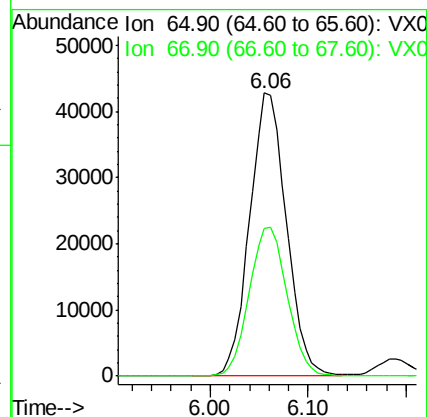
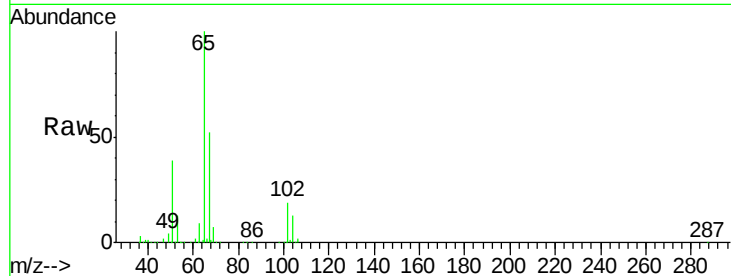
67 54.5 0.0 107.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

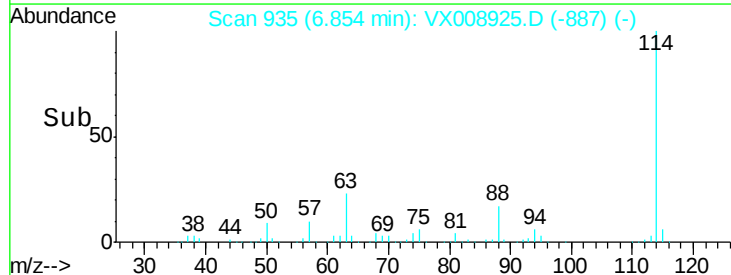
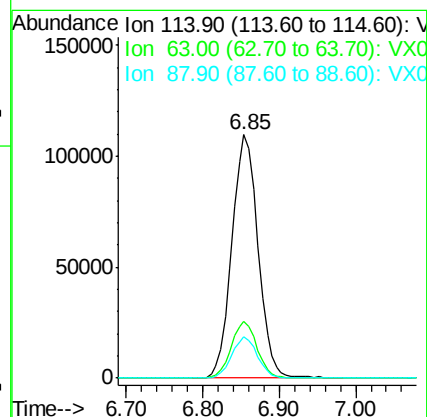
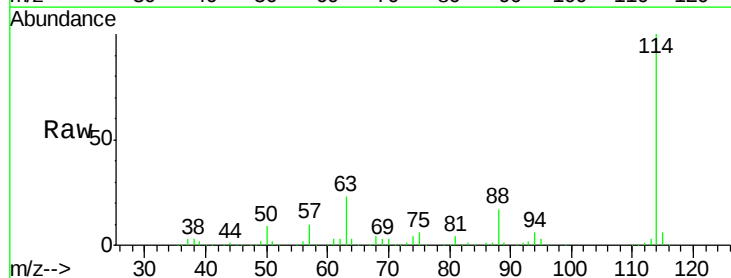
Tgt Ion: 114 Resp: 259294

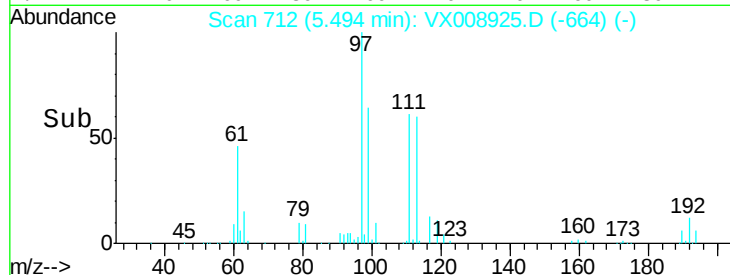
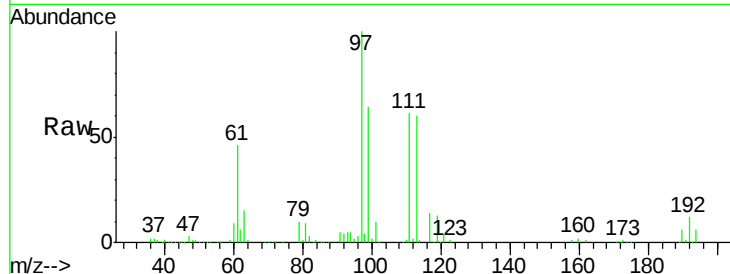
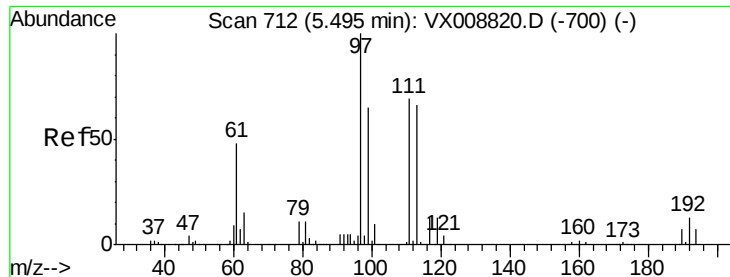
Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.2

88 17.0 0.0 34.0





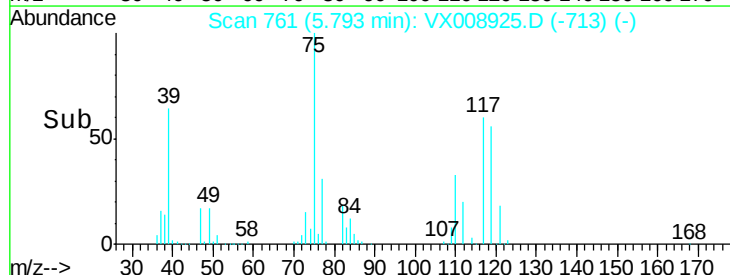
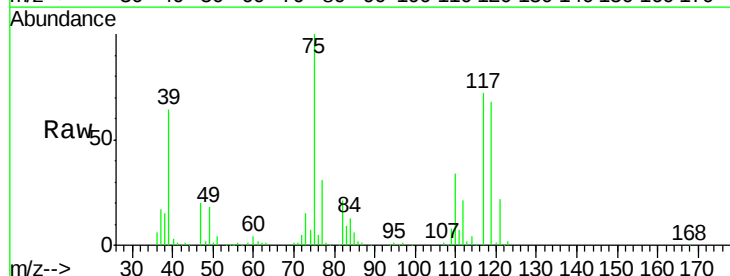
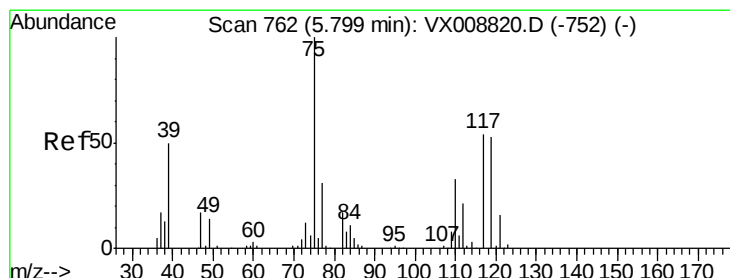
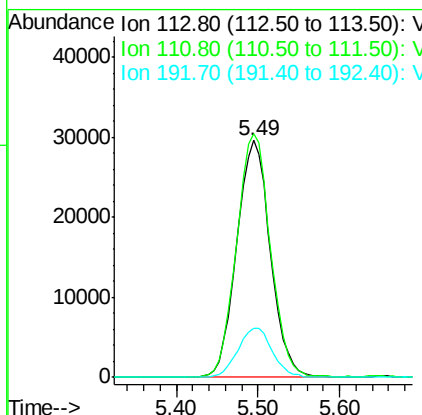
#35
Dibromofluoromethane
Concen: 51.002 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tot Ion	Ratio	Resp	Lower	Upper
113	100	84553		
111	103.7	83.4	125.2	
192	21.3	16.1	24.1	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

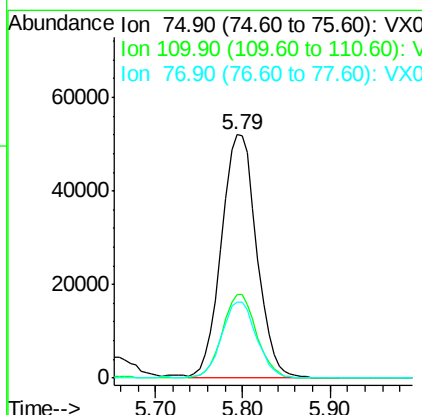
Manual Integrations
APPROVED

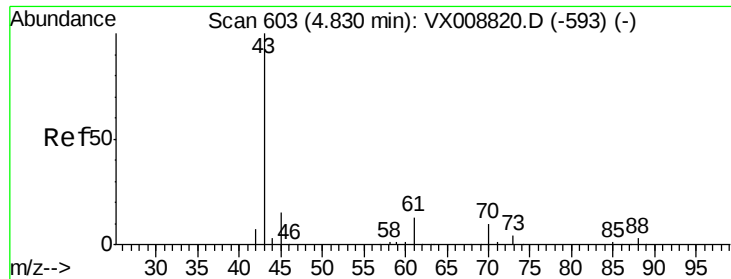
MMDadoda
4/15/2019 12:55:13 PM



#36
1,1-Dichloropropene
Concen: 51.249 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145258		
110	33.5	16.4	49.2	
77	31.5	24.7	37.1	





#37

Ethyl Acetate

Concen: 52.912 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

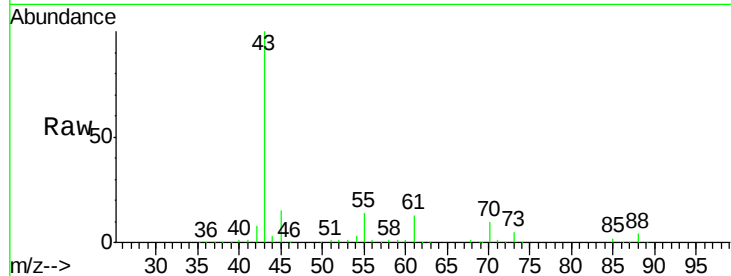
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	200180
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	9.5	7.6	11.4

Manual Integrations
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4/15/2019 12:55:13 PM

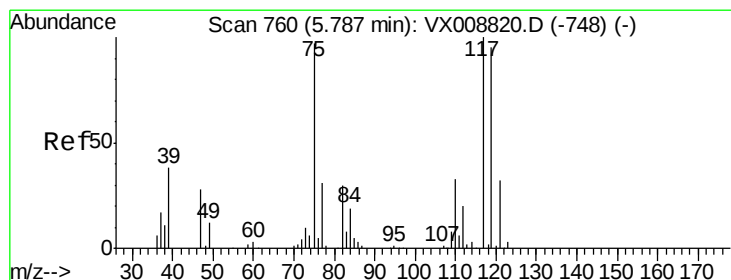
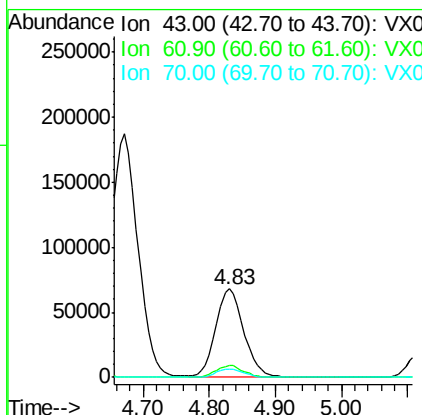
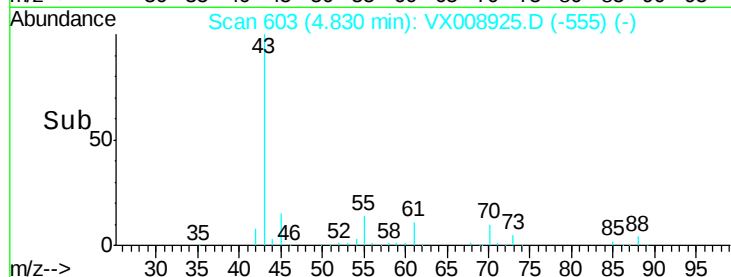


Abundance Ion 43.00 (42.70 to 43.70): VX008820.D (-593) (-)

Ion 60.90 (60.60 to 61.60): VX008820.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX008820.D (-593) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 55.909 ug/l

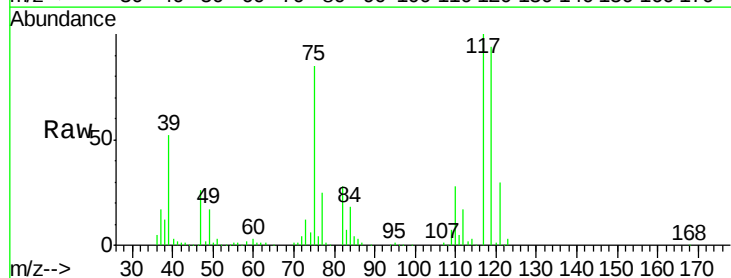
RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	117	Resp:	131155
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.0	112.6
121	29.7	24.3	36.5

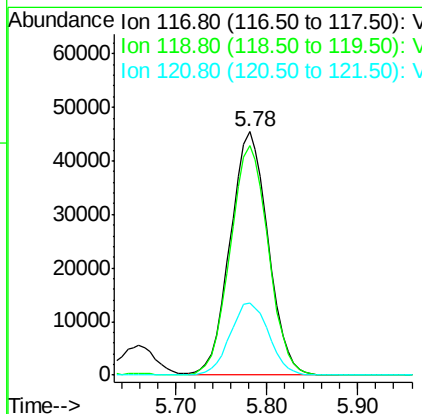
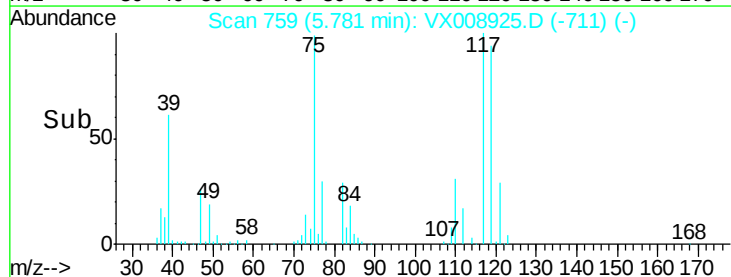


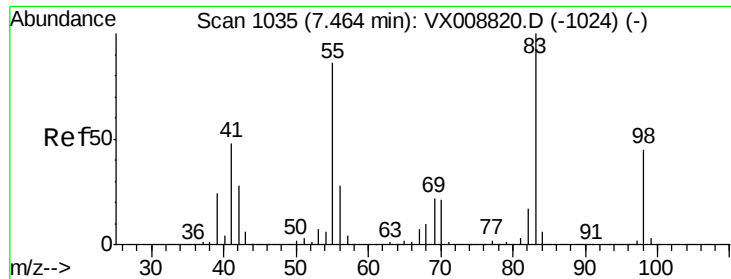
Abundance Ion 116.80 (116.50 to 117.50): VX008820.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX008820.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX008820.D (-748) (-)

Time-->





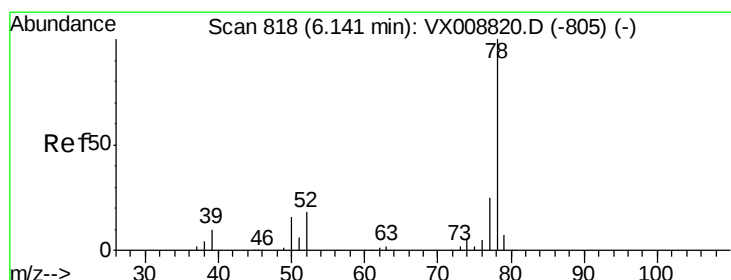
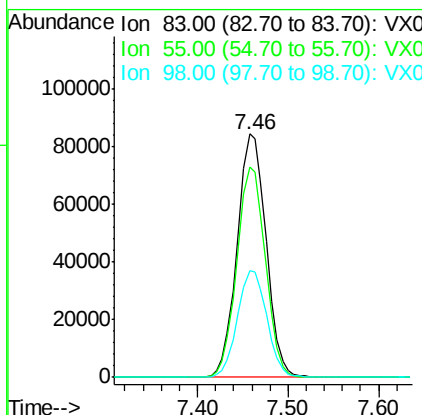
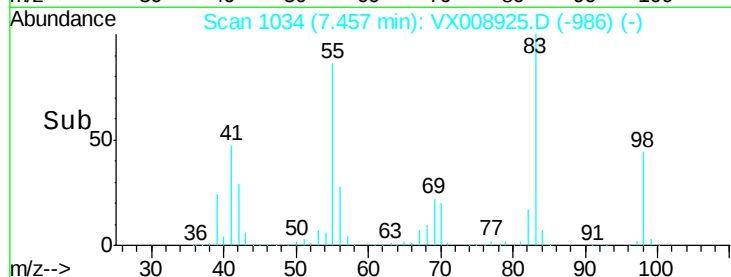
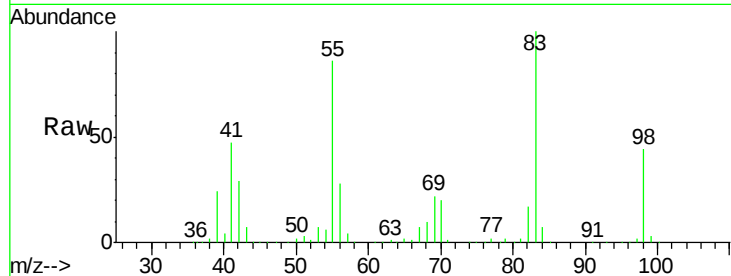
#39
Methvlcvclohexane
Concen: 53.438 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	69.0	103.6
98	44.0	34.4	51.6

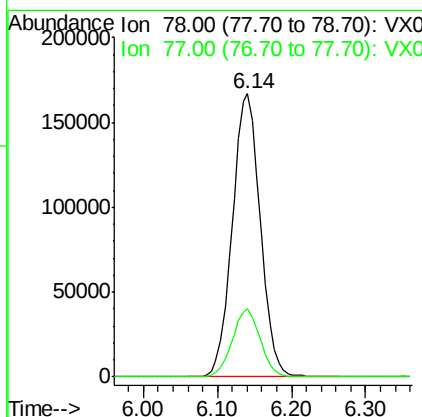
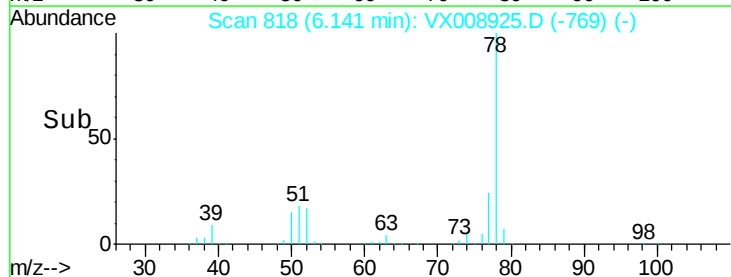
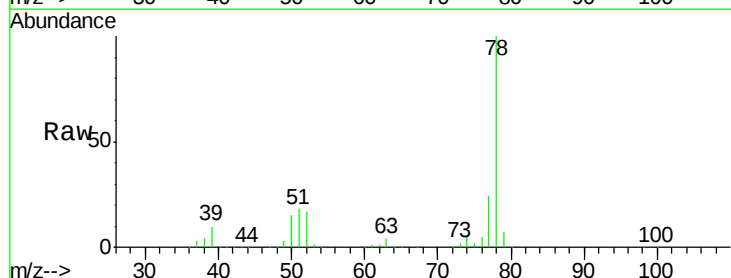
Manual Integrations
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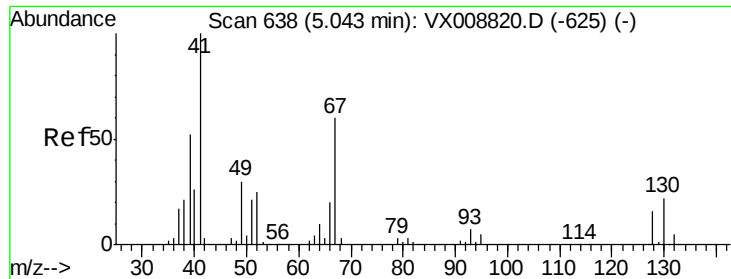
MMDadoda
4/15/2019 12:55:13 PM



#40
Benzene
Concen: 52.029 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





#41

Methacrylonitrile

Concen: 51.257 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

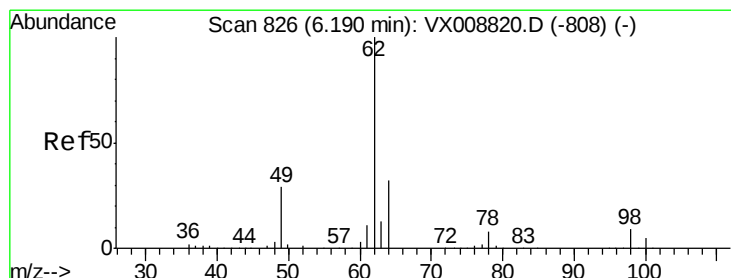
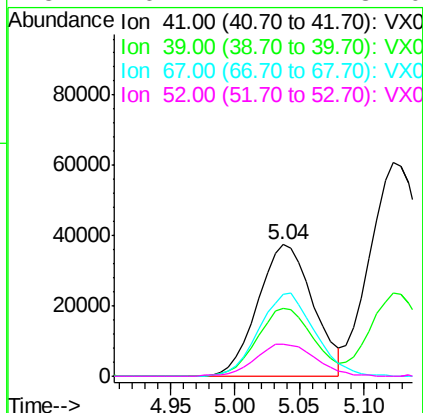
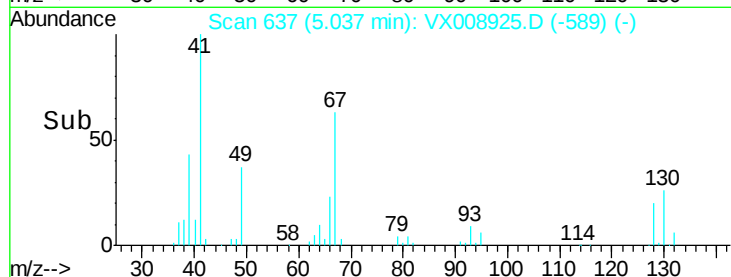
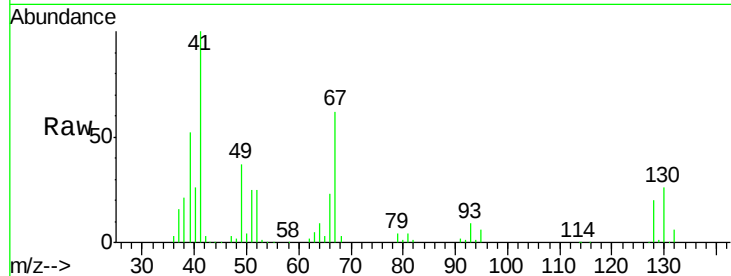
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.1	63.1	
67	64.3	51.0	76.6	
52	26.7	21.4	32.0	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.138 ug/l

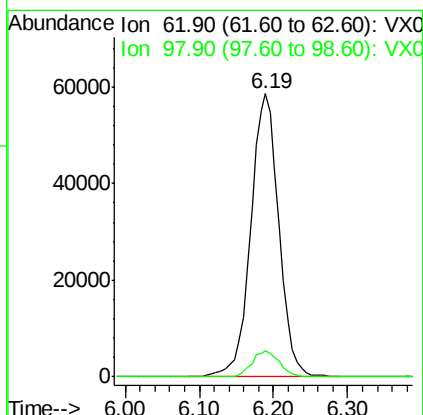
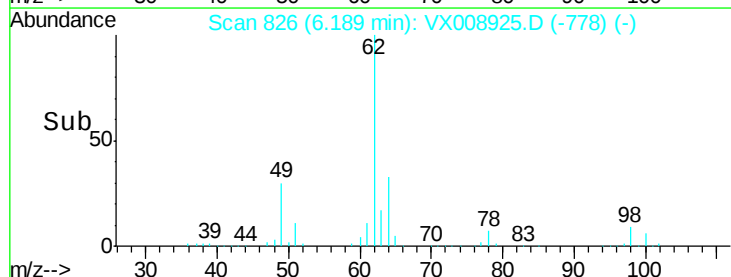
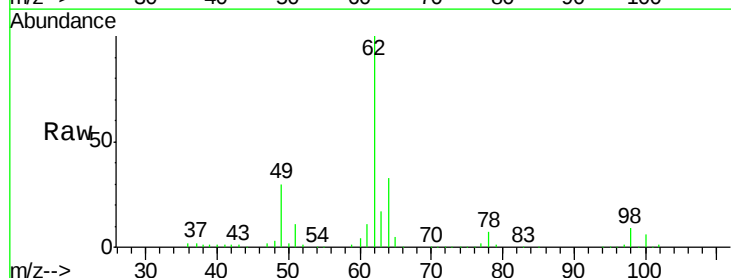
RT: 6.19 min Scan# 826

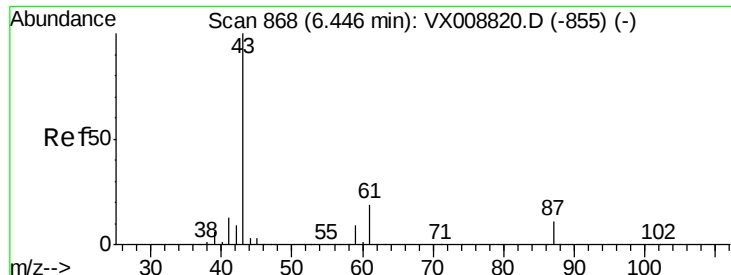
Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.0	





#43

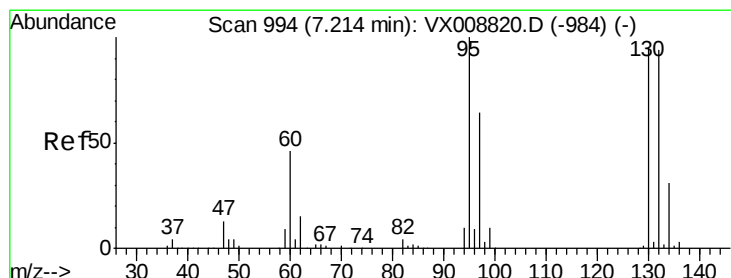
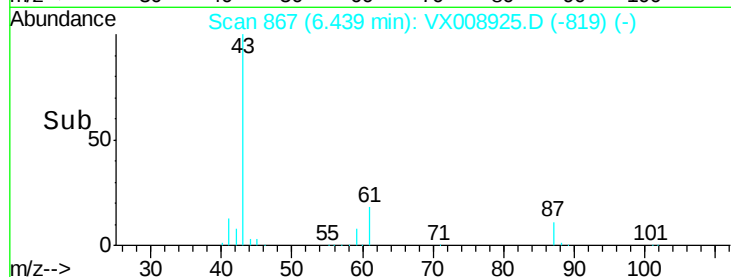
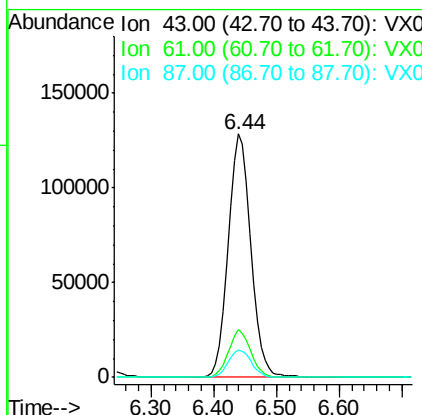
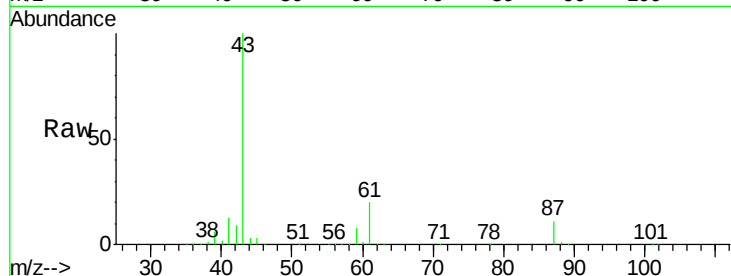
Isopropyl Acetate
 Concen: 53.965 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	319824
Ion Ratio	100	Lower	Upper
43	100		
61	19.3	15.3	22.9
87	11.6	9.0	13.6

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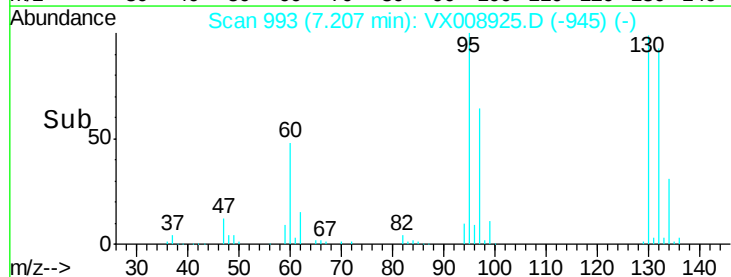
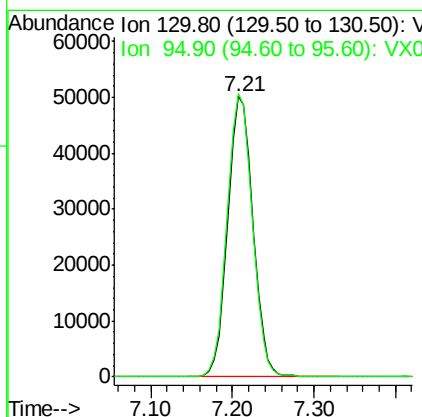
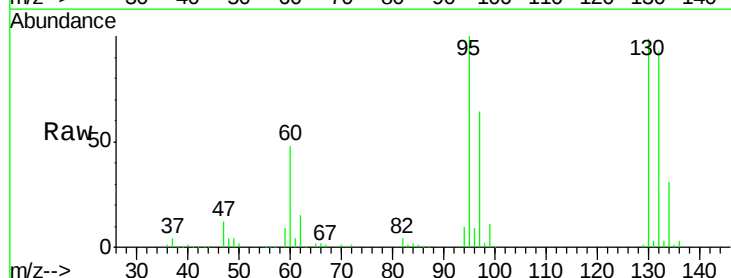
MMDadoda
 4/15/2019 12:55:13 PM

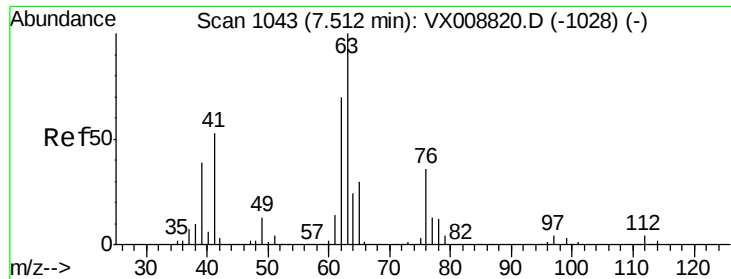


#44

Trichloroethene
 Concen: 54.271 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion	130	Resp	106730
Ion Ratio	100	Lower	Upper
130	100		
95	100.9	0.0	209.8





#45

1,2-Dichloropropane

Concen: 51.778 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 124789

Ion Ratio Lower Upper

63 100

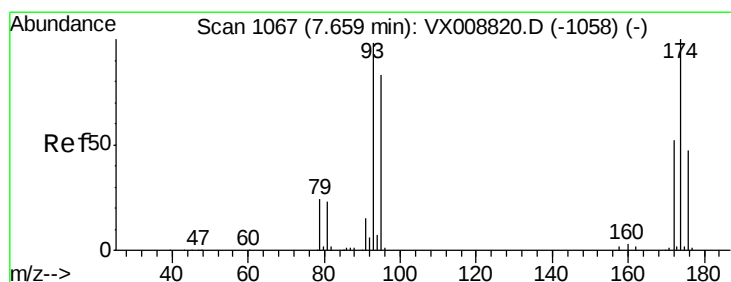
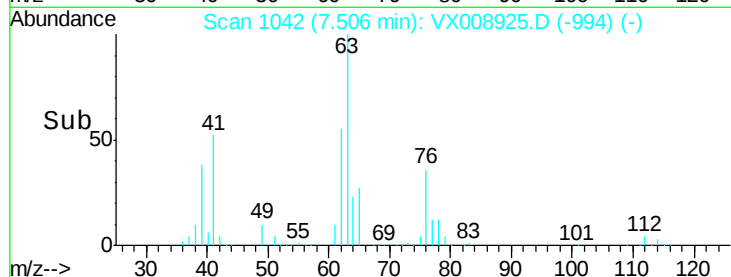
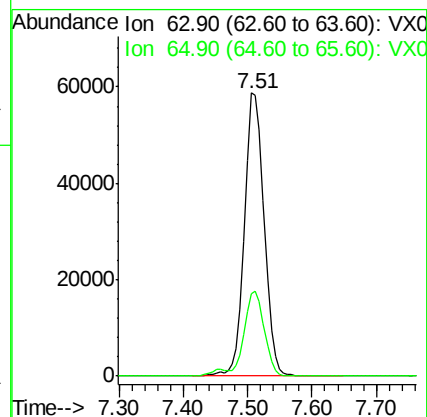
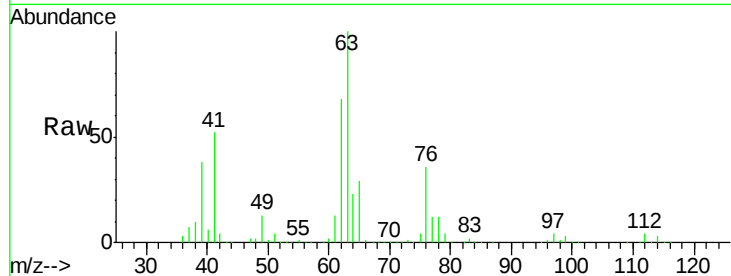
65 29.3 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 50.803 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

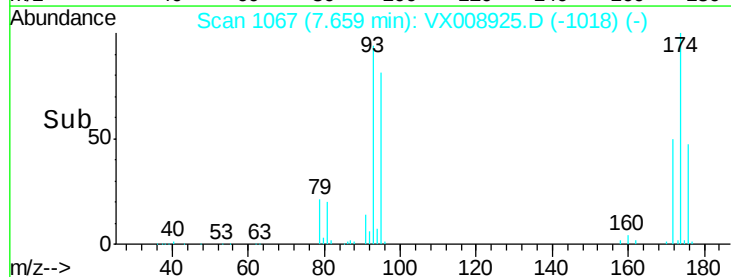
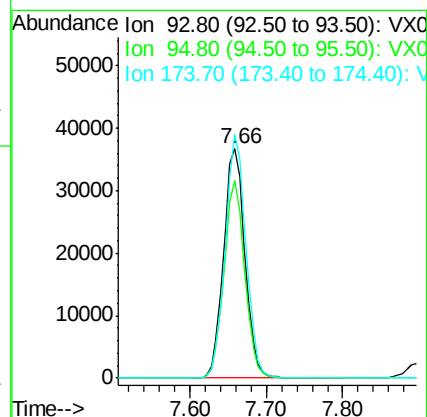
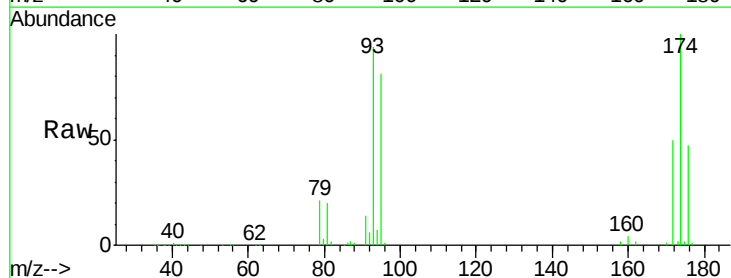
Tgt Ion: 93 Resp: 71013

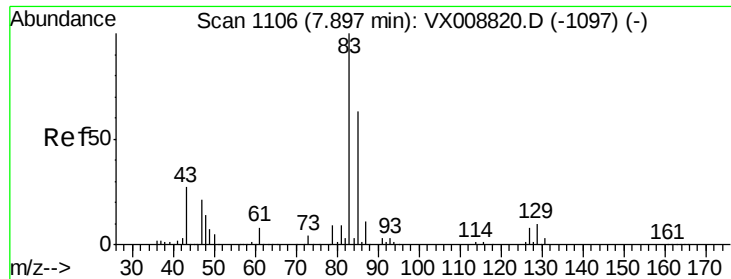
Ion Ratio Lower Upper

93 100

95 83.3 66.6 99.8

174 102.6 77.7 116.5





#47

Bromodichloromethane

Concen: 54.352 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

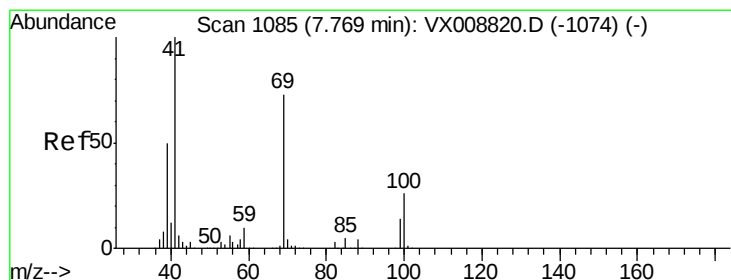
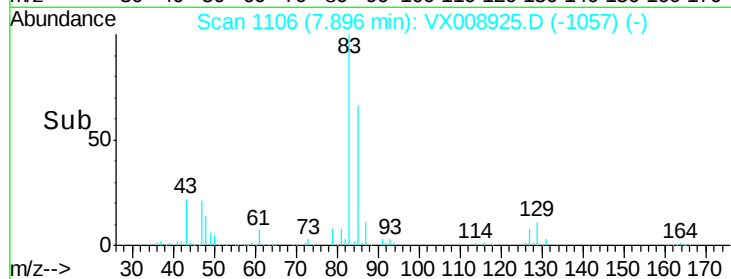
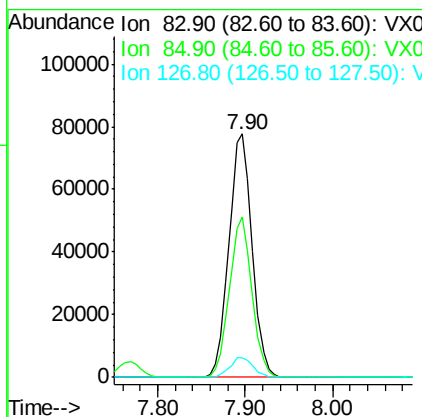
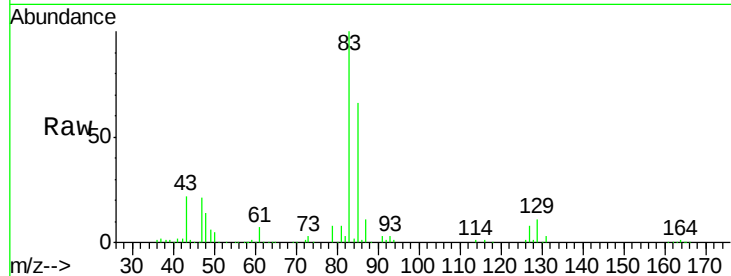
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143248
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.2	76.8
127	8.3	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.462 ug/l

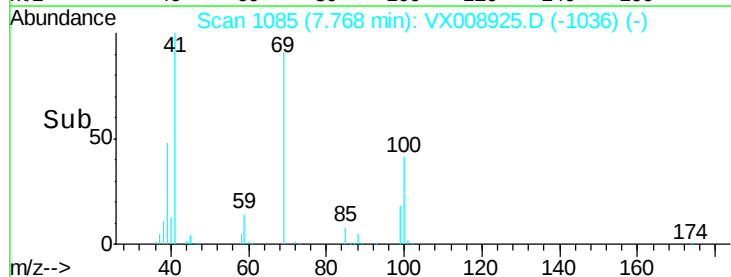
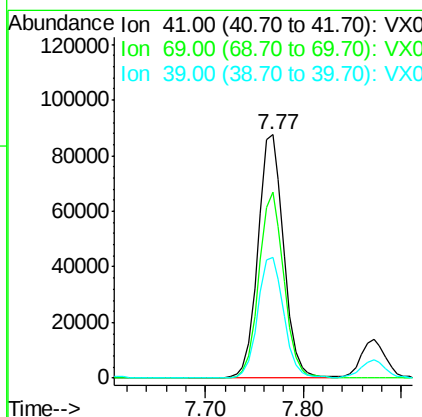
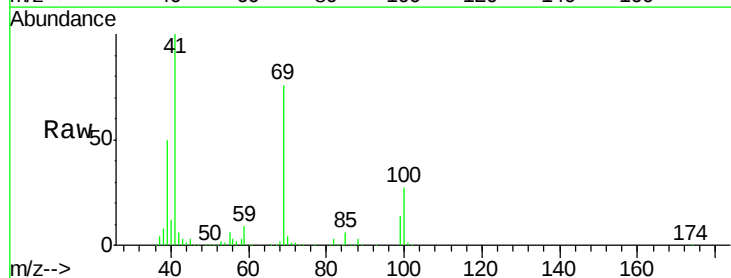
RT: 7.77 min Scan# 1085

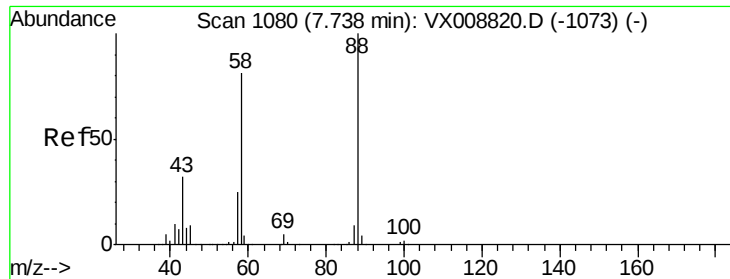
Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	41	Resp:	160274
Ion	Ratio	Lower	Upper
41	100		
69	74.8	59.0	88.4
39	50.2	41.0	61.4





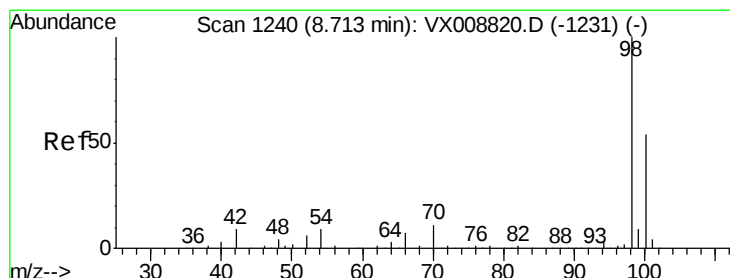
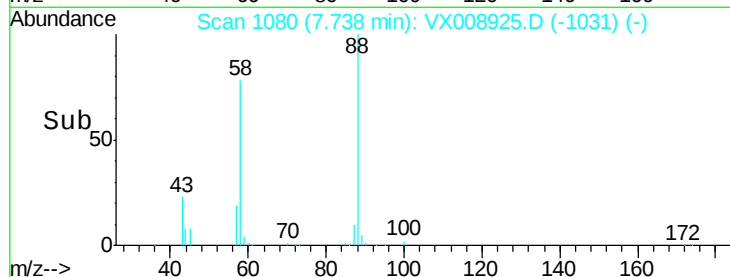
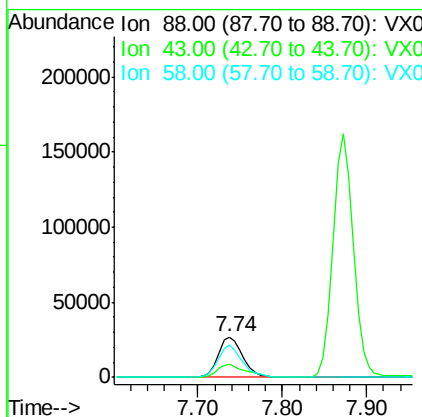
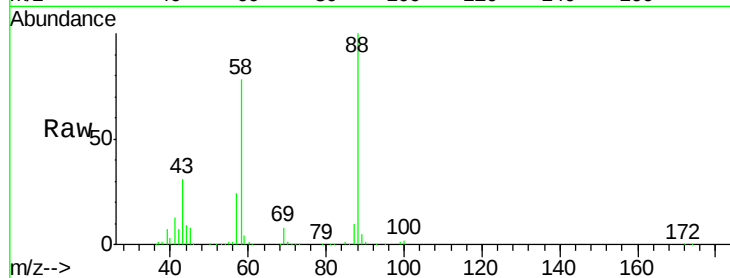
#49
1,4-Dioxane
Concen: 971.610 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	43.0
58	78.4	62.2	93.2

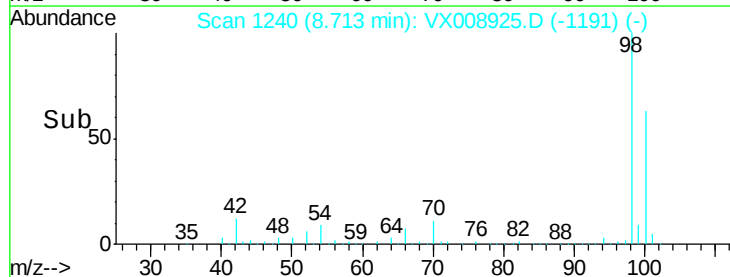
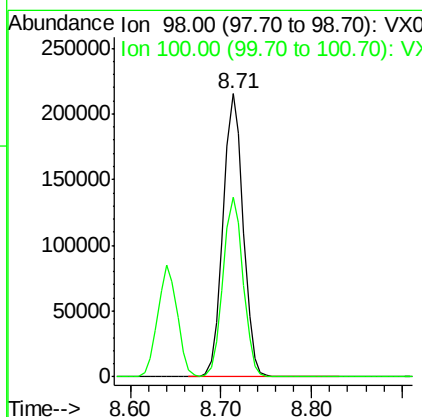
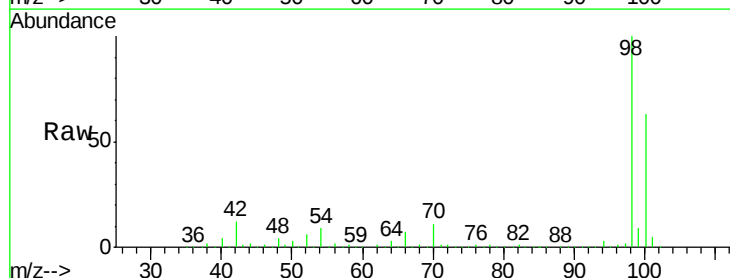
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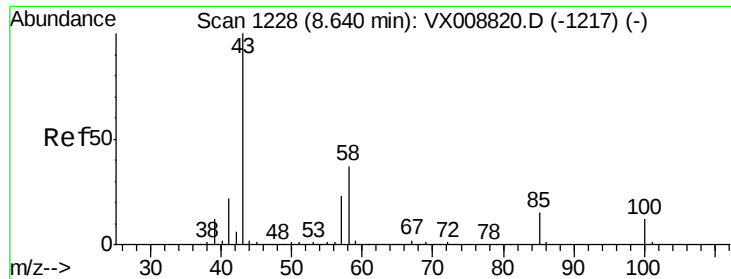
MMDadoda
4/15/2019 12:55:13 PM



#50
Toluene-d8
Concen: 50.585 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 263.334 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1004643

Ion Ratio Lower Upper

43 100

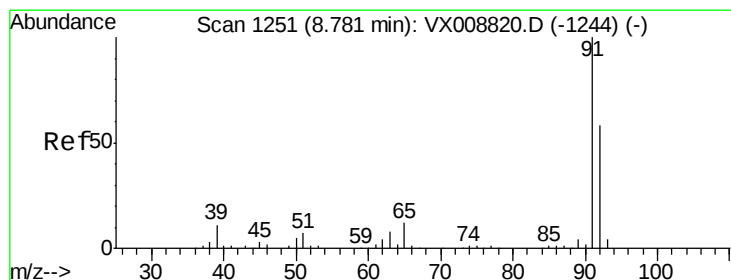
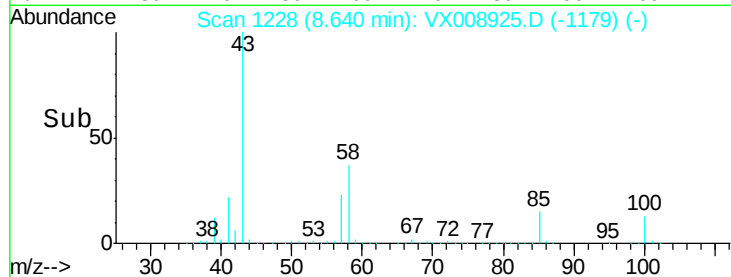
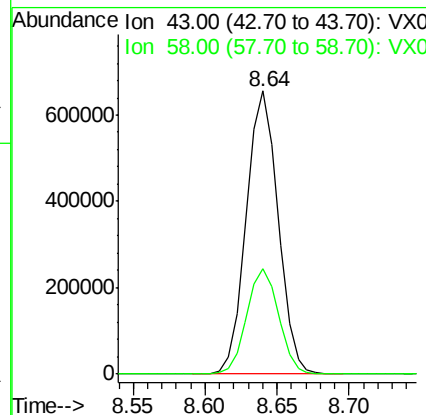
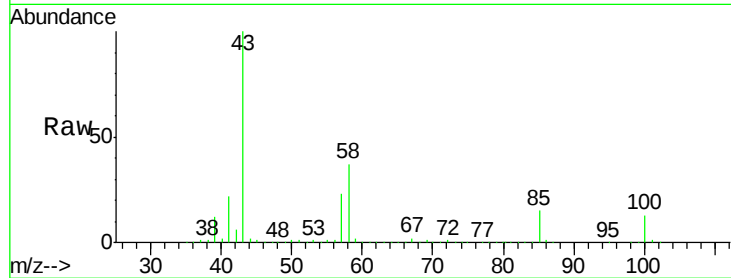
58 37.3 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 53.447 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008925.D

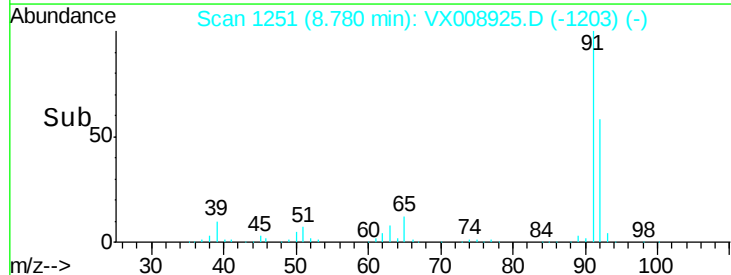
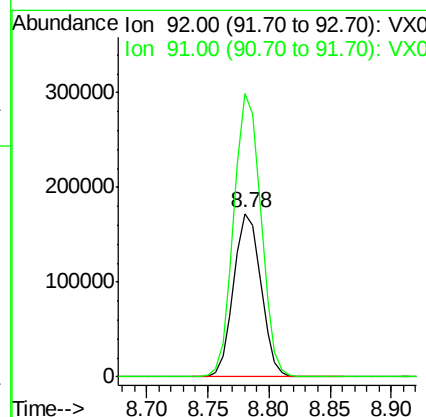
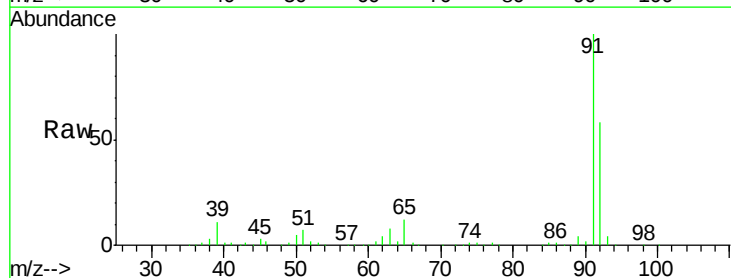
Acq: 13 Apr 2019 11:26

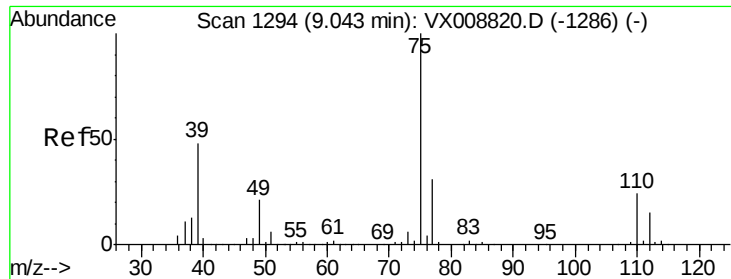
Tgt Ion: 92 Resp: 266063

Ion Ratio Lower Upper

92 100

91 173.1 138.5 207.7





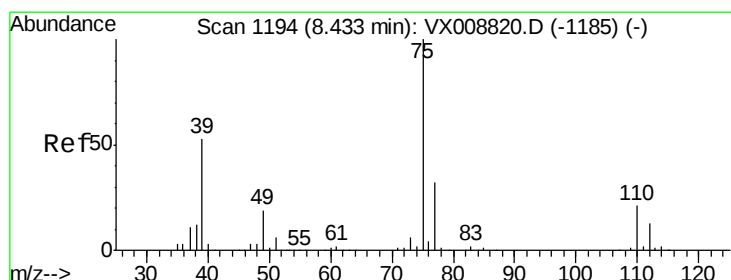
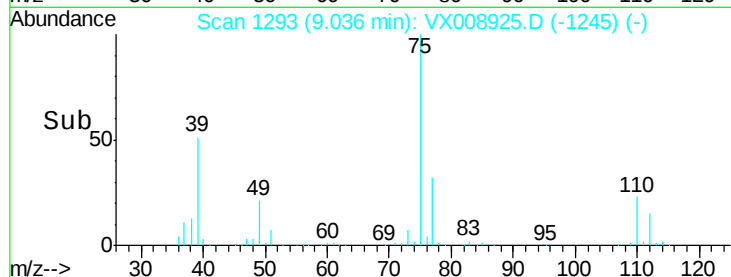
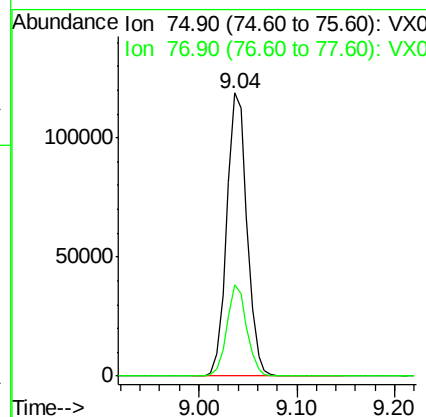
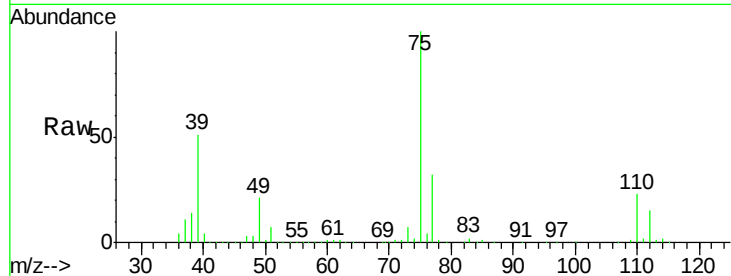
#53
t-1,3-Dichloropropene
Concen: 57.873 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 170857
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

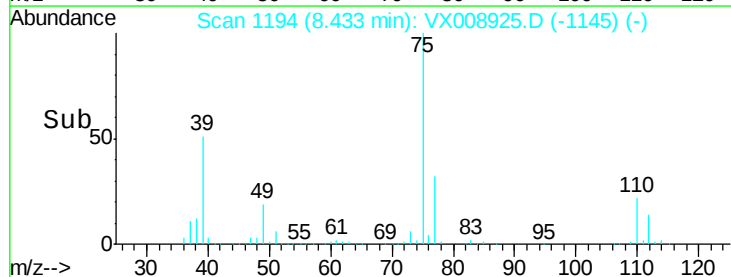
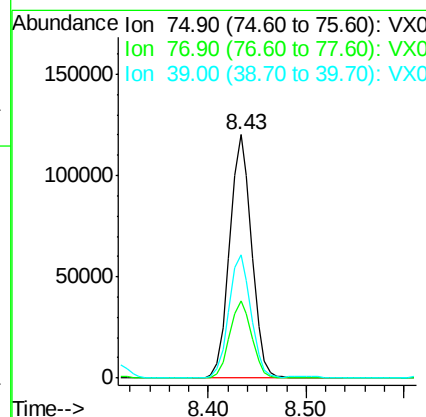
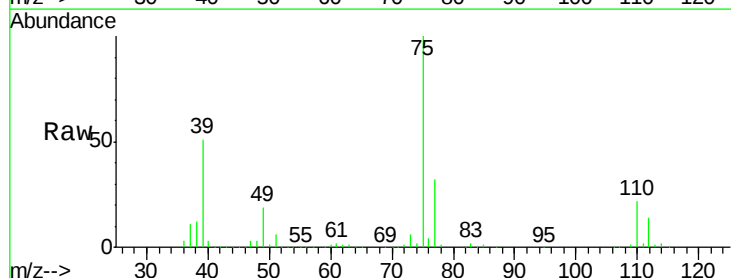
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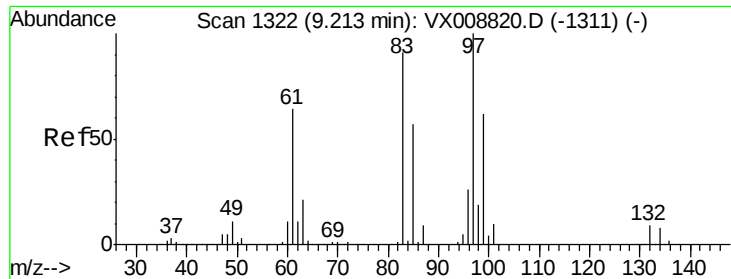
MMDadoda
4/15/2019 12:55:13 PM



#54
cis-1,3-Dichloropropene
Concen: 55.434 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion: 75 Resp: 187001
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
39 50.6 42.6 63.8





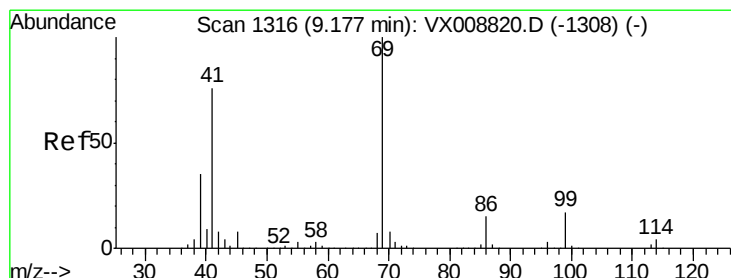
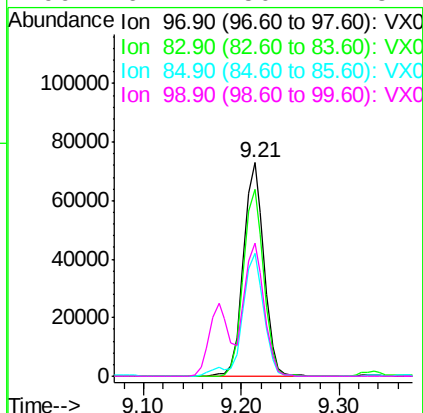
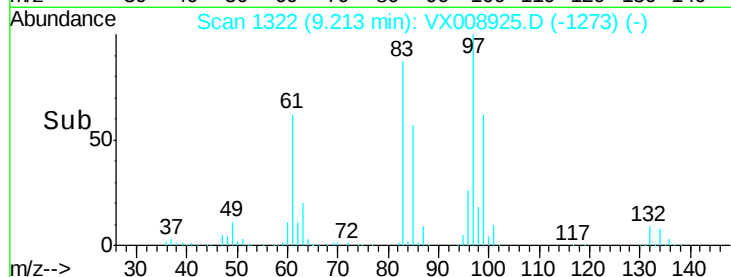
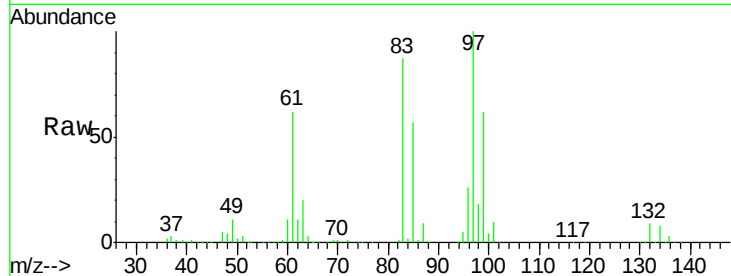
#55
 1,1,2-Trichloroethane
 Concen: 53.065 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		106036		
83	87.4	73.2	109.8		
85	57.3	46.6	69.8		
99	62.1	50.1	75.1		

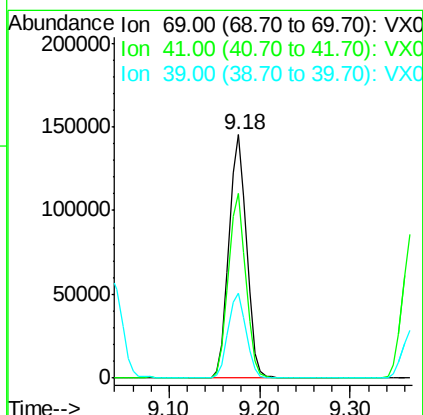
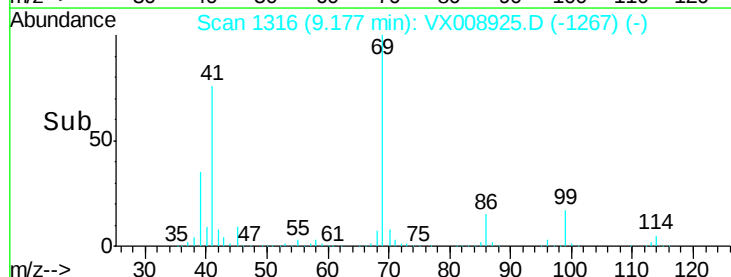
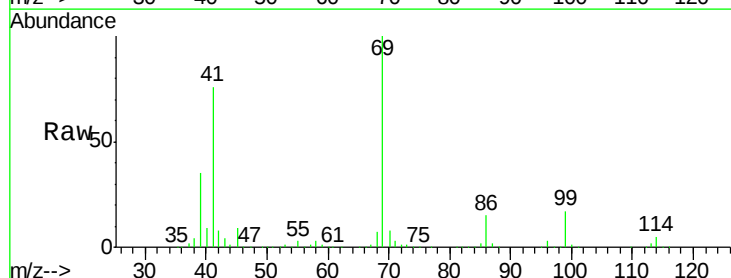
Manual Integrations
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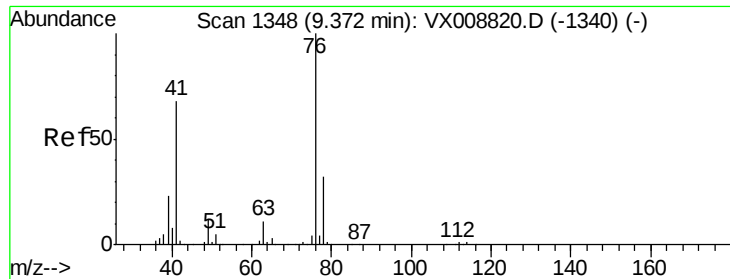
MMDadoda
 4/15/2019 12:55:13 PM



#56
 Ethyl methacrylate
 Concen: 54.547 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		197212		
41	75.1	60.1	90.1		
39	35.2	28.9	43.3		





#57

1,3-Dichloropropane

Concen: 52.516 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 188435

Ion Ratio Lower Upper

76 100

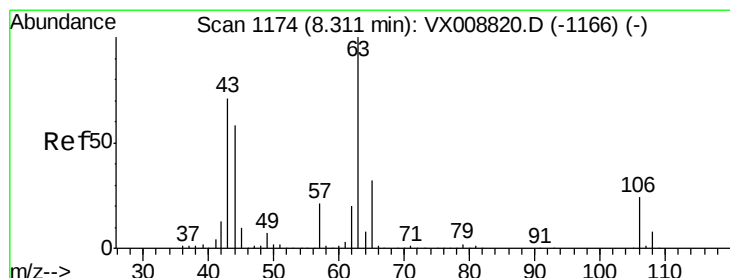
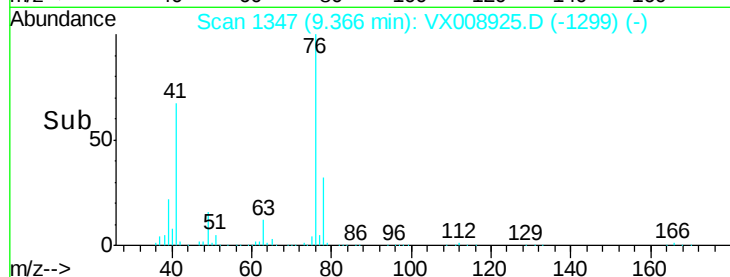
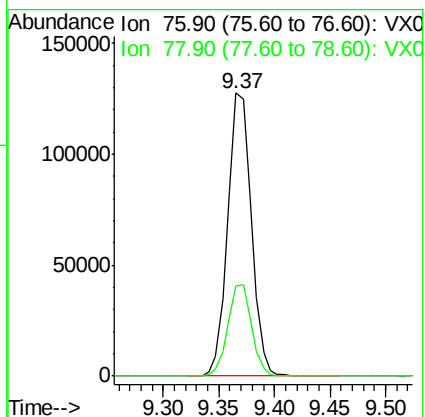
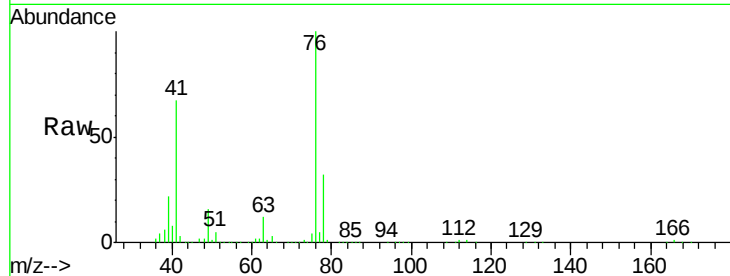
78 32.4 25.6 38.4

Manual Integrations

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MMDadoda

4/15/2019 12:55:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 260.507 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008925.D

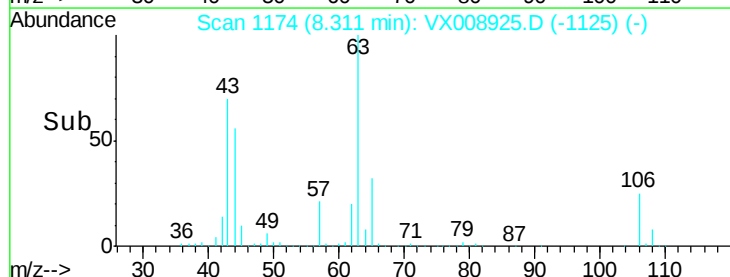
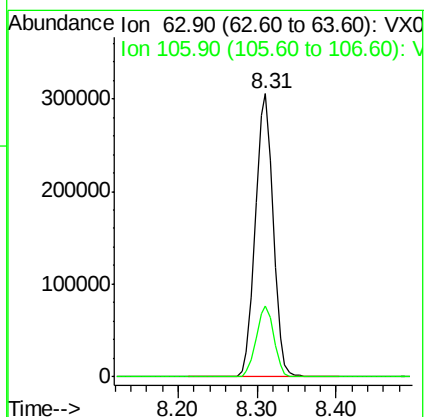
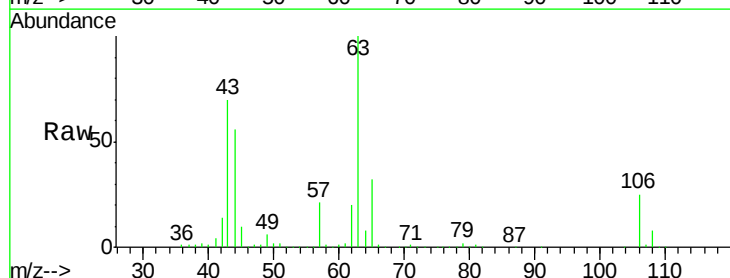
Acq: 13 Apr 2019 11:26

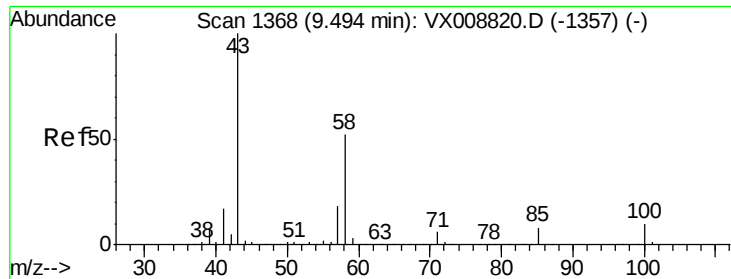
Tgt Ion: 63 Resp: 480927

Ion Ratio Lower Upper

63 100

106 24.9 19.0 28.6





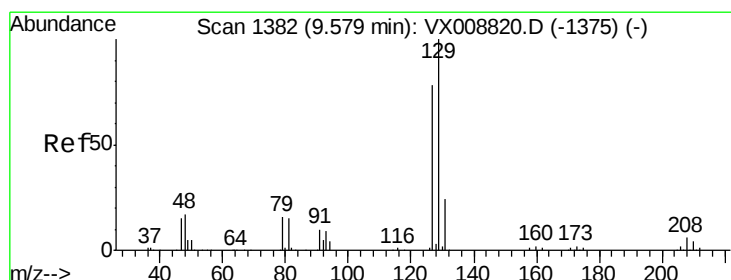
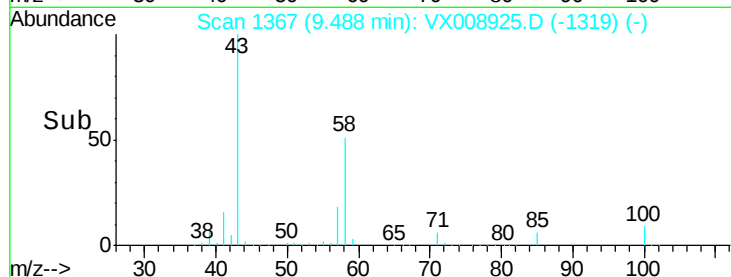
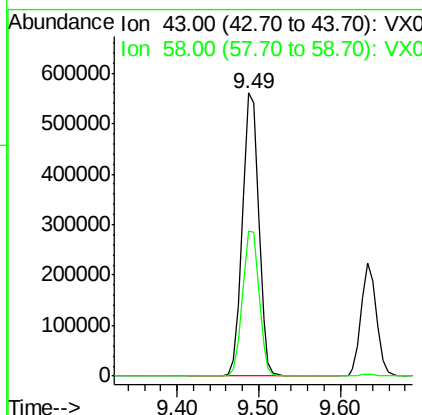
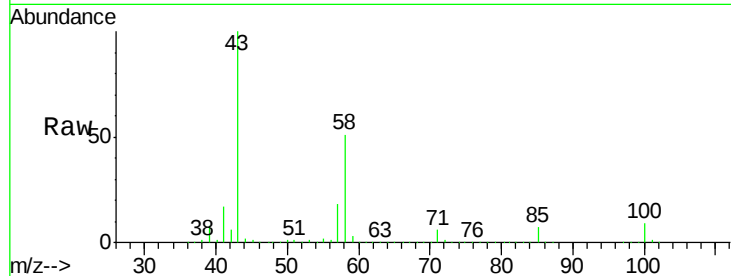
#59
2-Hexanone
Concen: 260.317 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.7

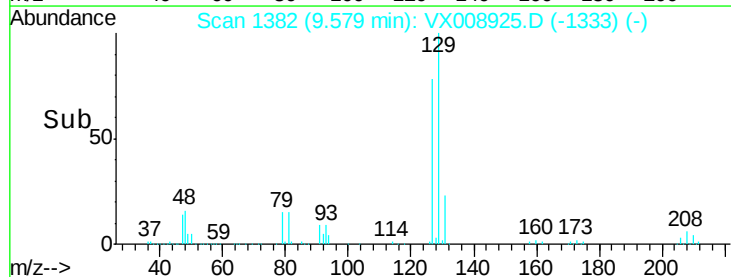
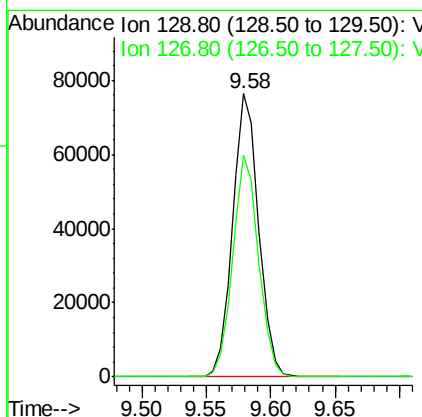
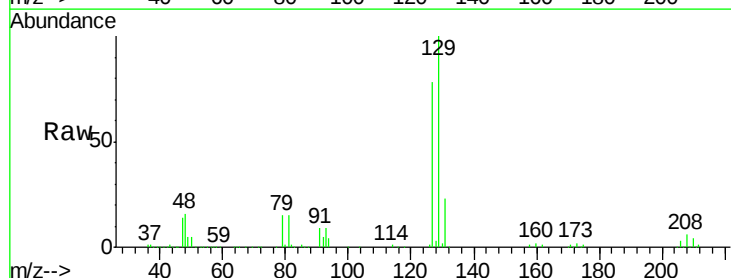
Manual Integrations
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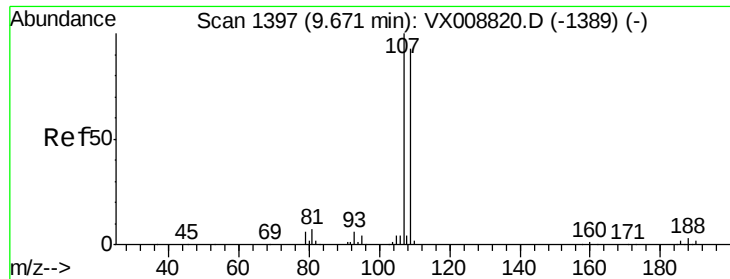
MMDadoda
4/15/2019 12:55:13 PM



#60
Dibromochloromethane
Concen: 57.106 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3





#61

1,2-Dibromoethane

Concen: 53.056 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 110369

Ion Ratio Lower Upper

107 100

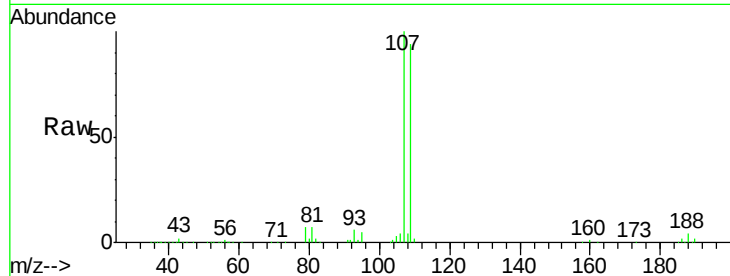
109 93.6 74.1 111.1

Manual Integrations

APPROVED

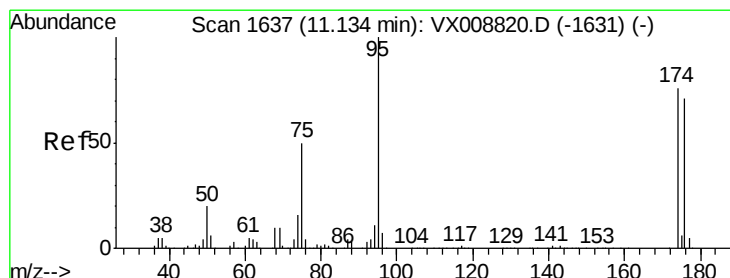
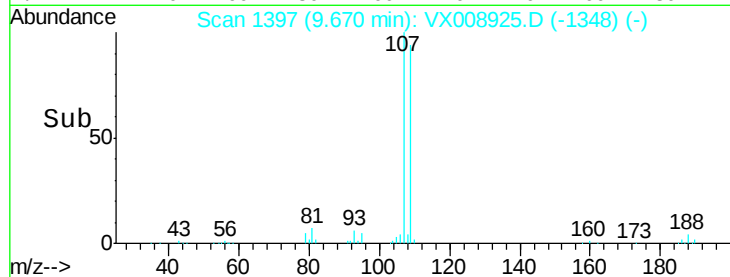
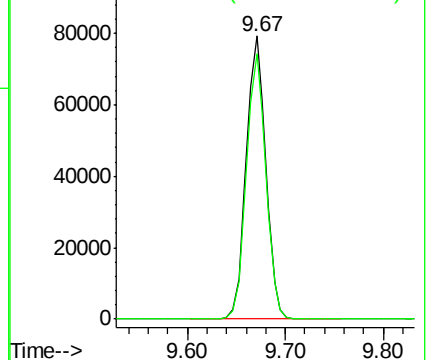
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

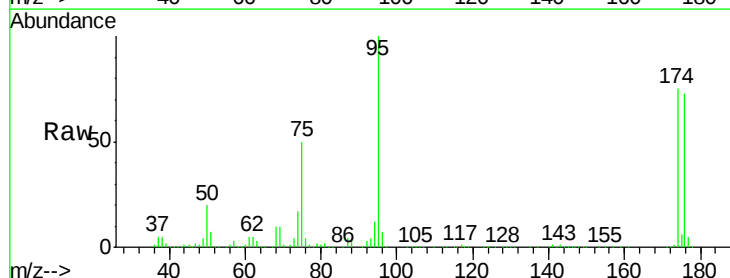
Tgt Ion: 95 Resp: 123006

Ion Ratio Lower Upper

95 100

174 79.8 0.0 151.8

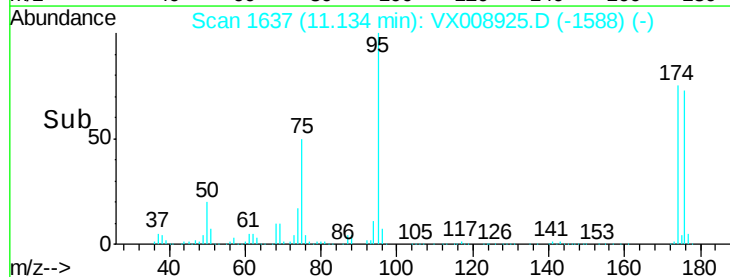
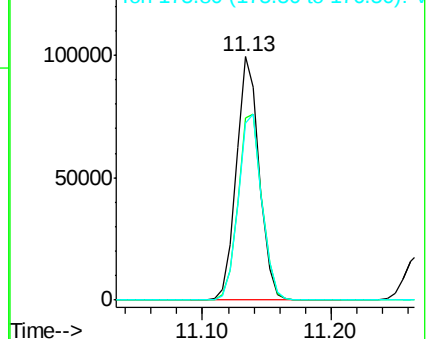
176 78.5 0.0 145.8

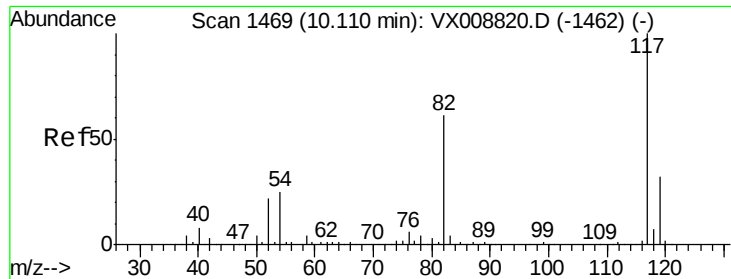


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





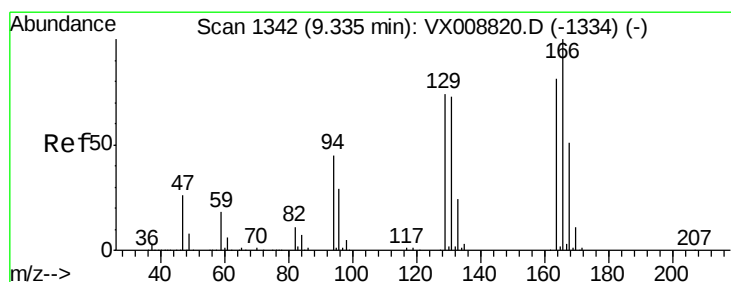
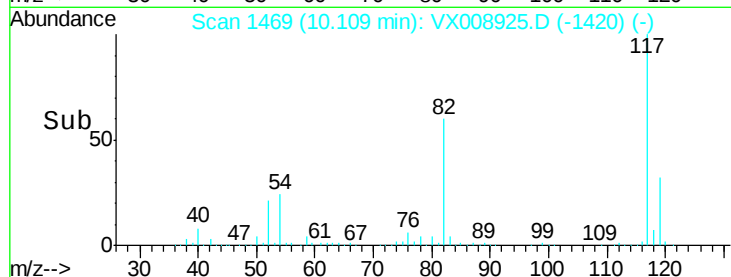
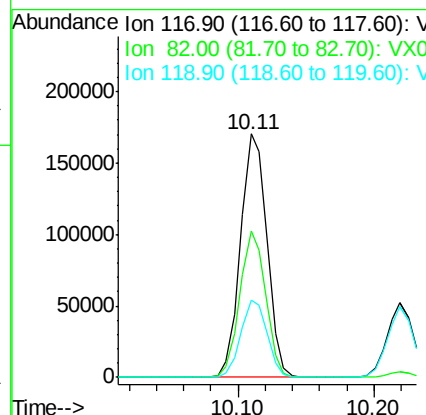
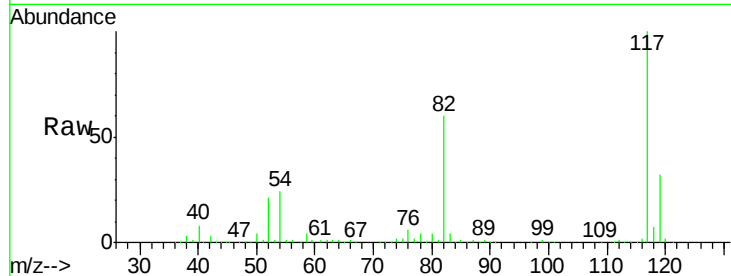
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	49.6	74.4
119	31.9	25.0	37.4

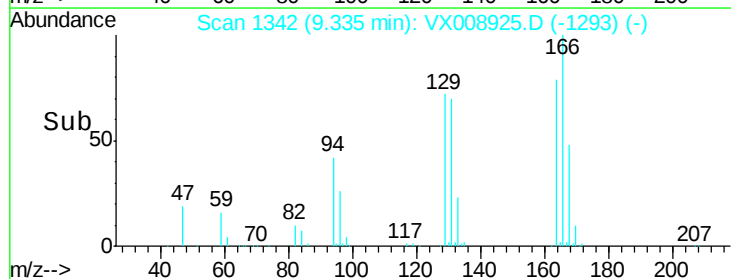
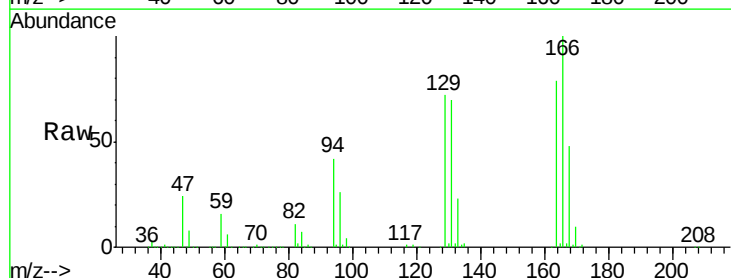
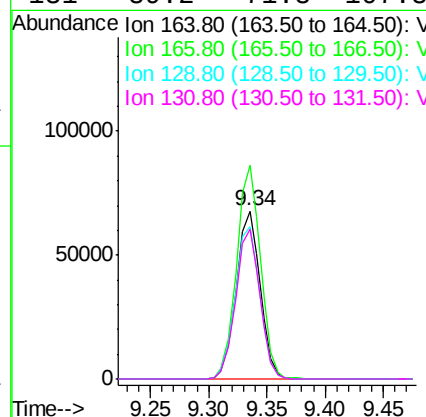
Manual Integrations
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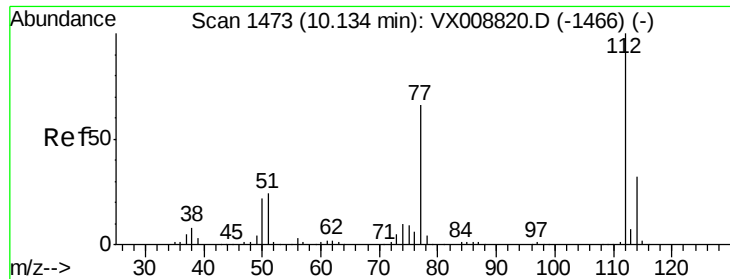
MMDadoda
4/15/2019 12:55:13 PM



#64
Tetrachloroethene
Concen: 57.169 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.0	151.6
129	90.9	75.8	113.8
131	89.2	71.8	107.8





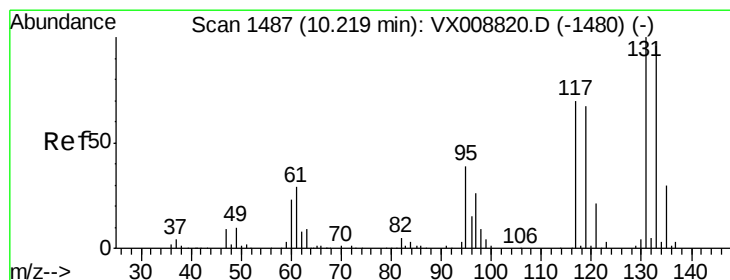
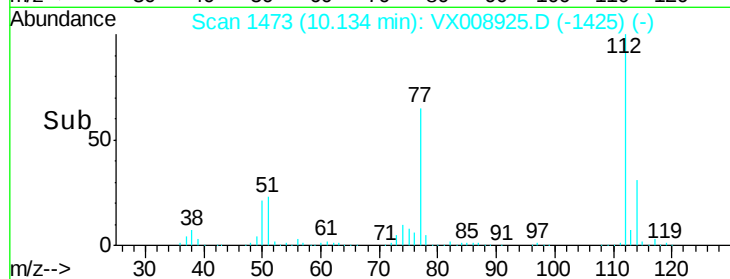
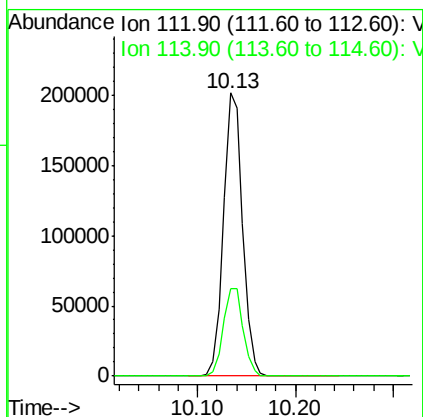
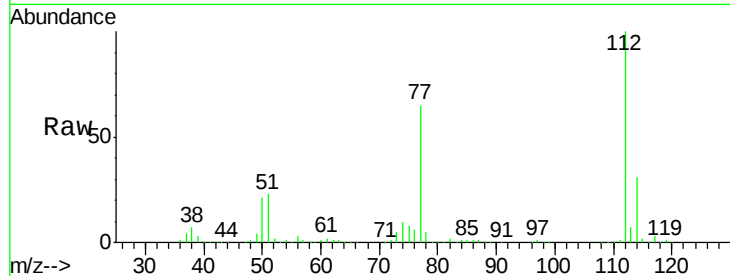
#65
Chlorobenzene
Concen: 53.224 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 272000
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8

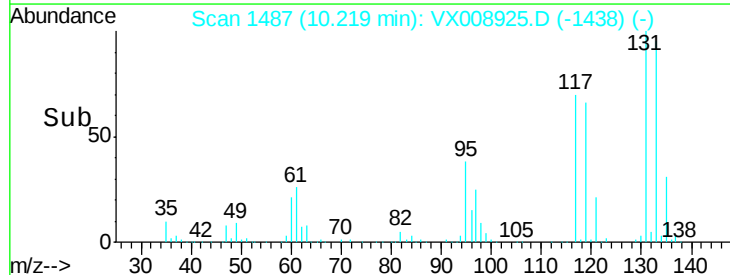
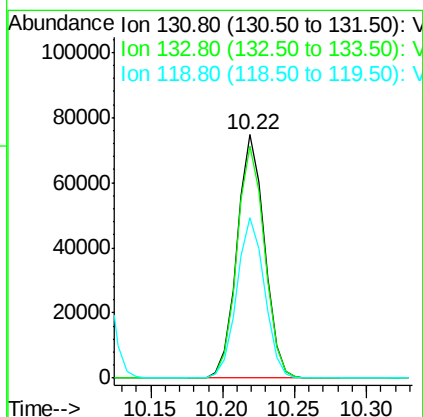
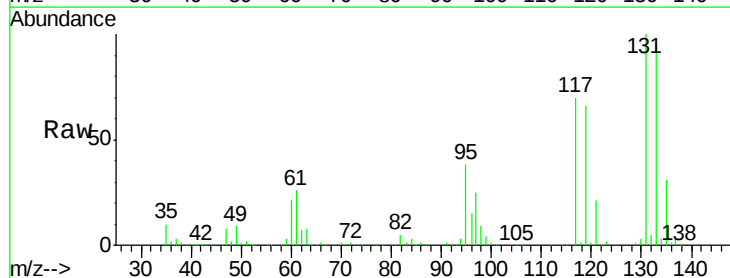
Manual Integrations
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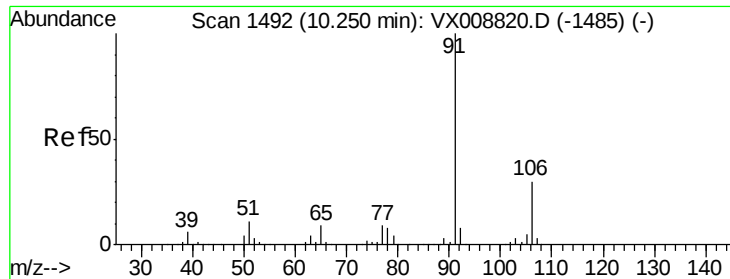
MMDadoda
4/15/2019 12:55:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.361 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion:131 Resp: 99253
Ion Ratio Lower Upper
131 100
133 96.0 47.0 141.2
119 66.7 33.7 101.0





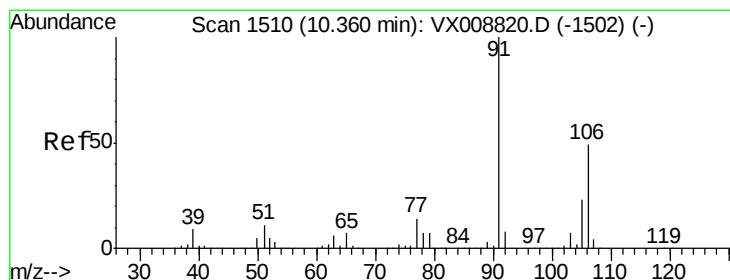
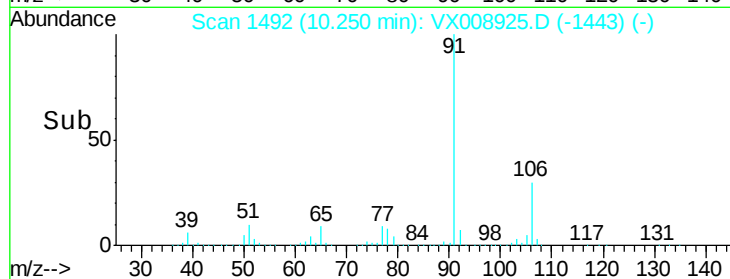
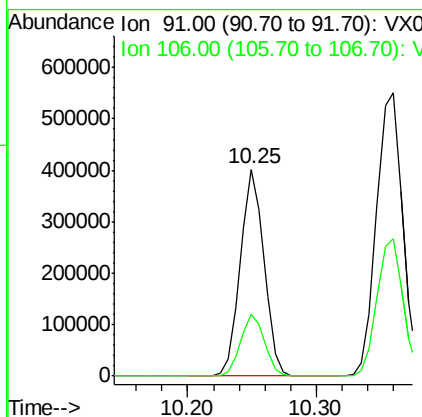
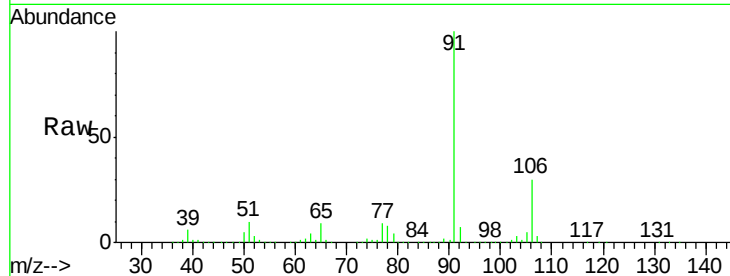
#67
Ethyl Benzene
Concen: 53.641 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 511166
Ion Ratio Lower Upper
91 100
106 29.8 23.7 35.5

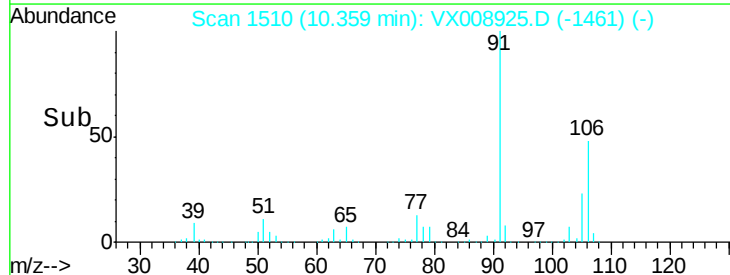
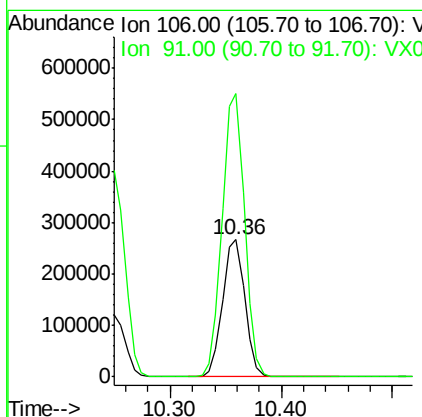
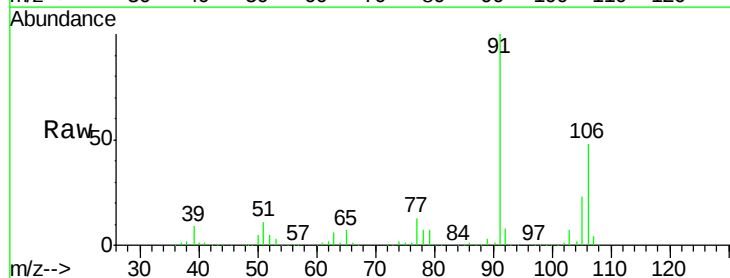
Manual Integrations
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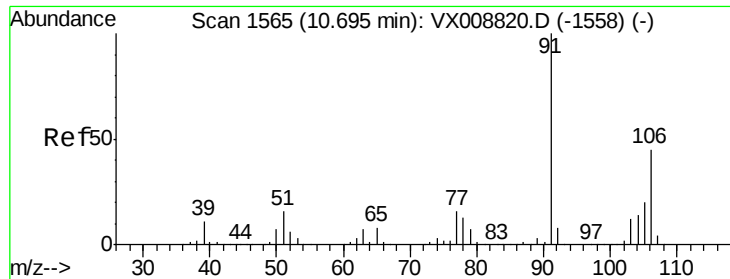
MMDadoda
4/15/2019 12:55:13 PM



#68
m/p-Xylenes
Concen: 107.944 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion: 106 Resp: 369849
Ion Ratio Lower Upper
106 100
91 207.7 168.5 252.7





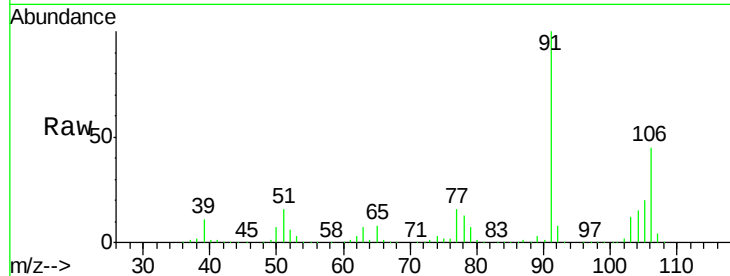
#69
o-Xylene
Concen: 53.731 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

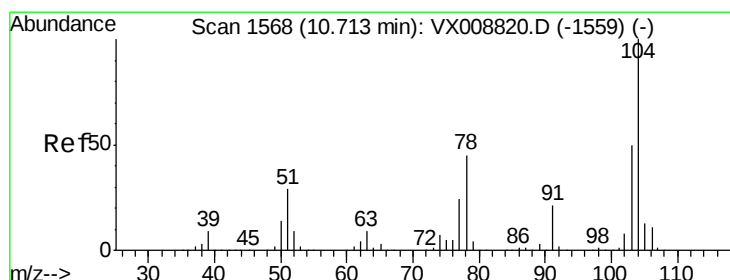
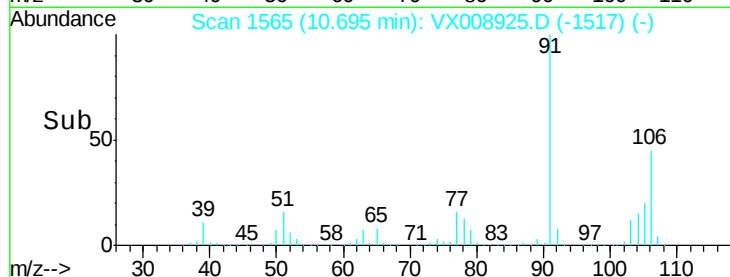
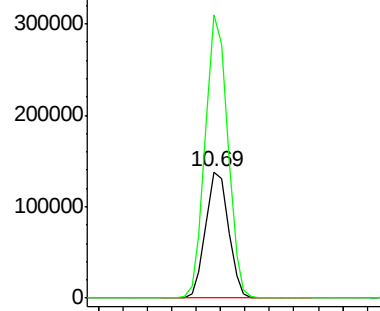
Tot Ion:106 Resp: 178413
Ion Ratio Lower Upper
106 100
91 220.0 111.5 334.4

Manual Integrations
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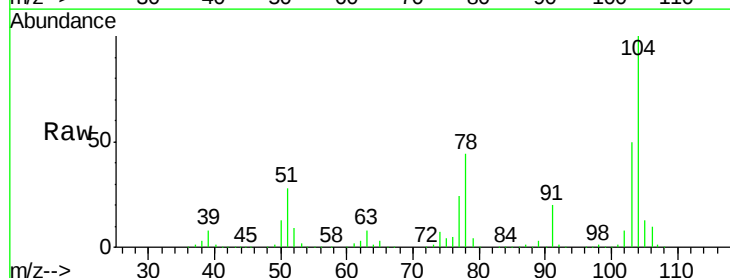


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

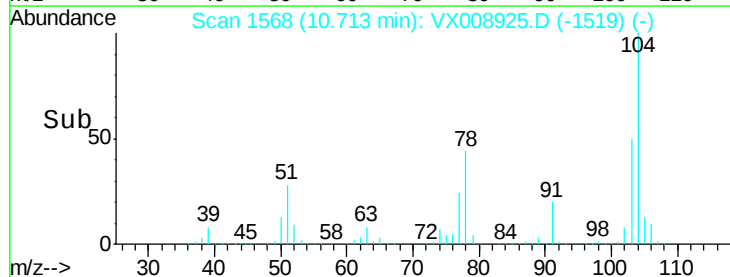
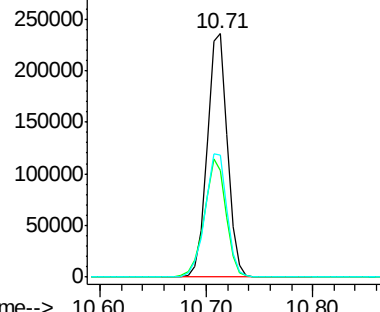


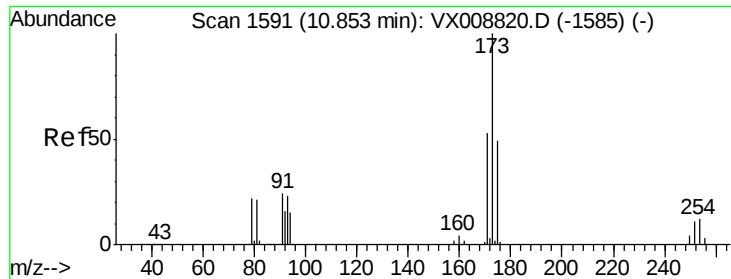
#70
Styrene
Concen: 54.854 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion:104 Resp: 313968
Ion Ratio Lower Upper
104 100
78 51.9 42.3 63.5
103 55.1 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 58.951 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 80720

Ion Ratio Lower Upper

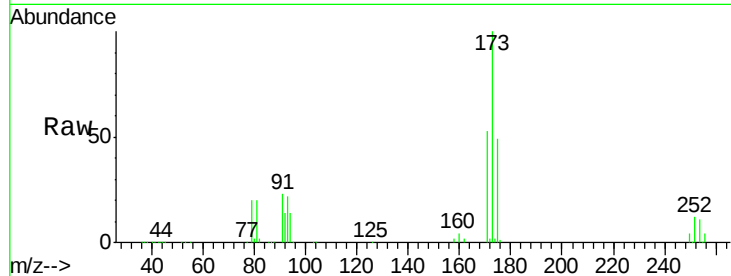
173 100

175 48.7 24.9 74.6

254 0.2 0.1 0.1#

Manual Integrations
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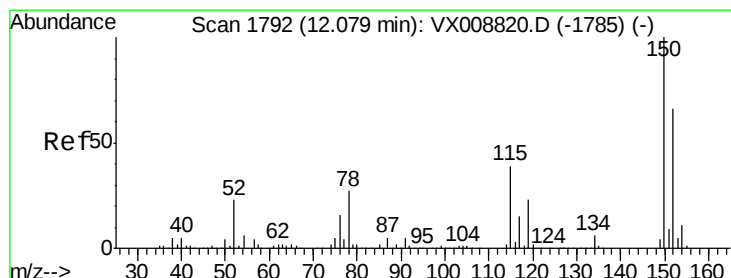
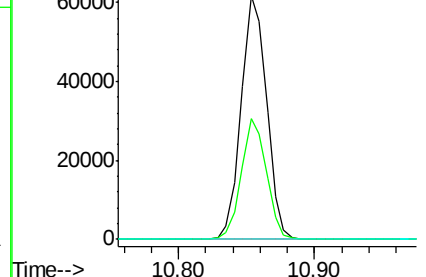
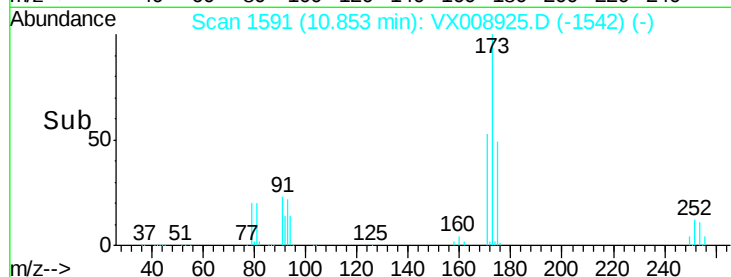
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

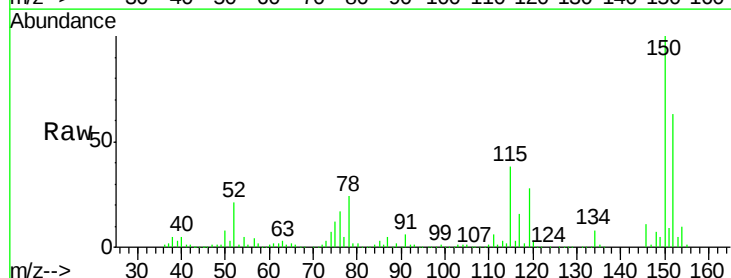
Tgt Ion:152 Resp: 108275

Ion Ratio Lower Upper

152 100

115 88.0 43.5 130.5

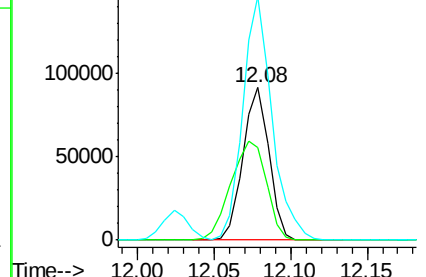
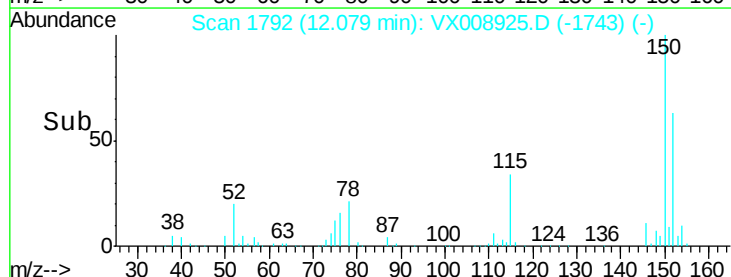
150 178.7 0.0 348.8

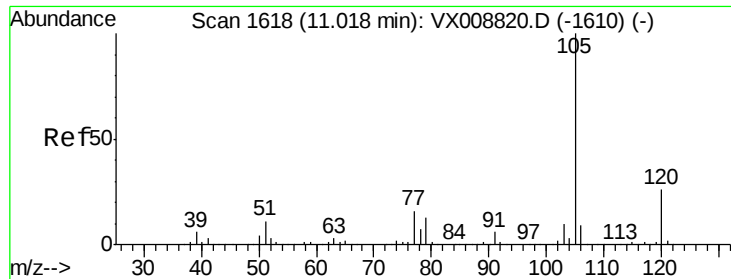


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.910 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 483743

Ion Ratio Lower Upper

105 100

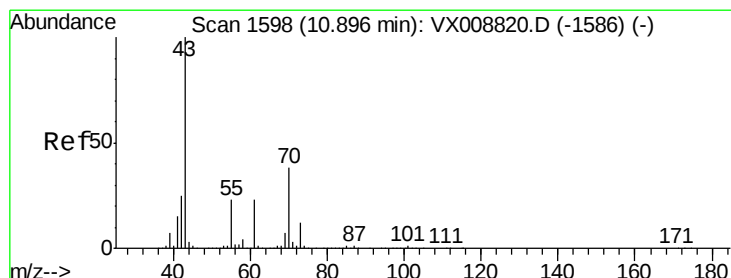
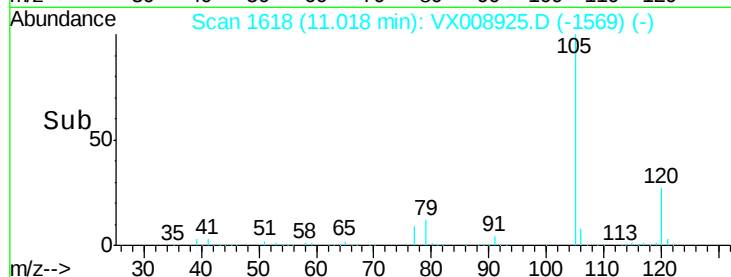
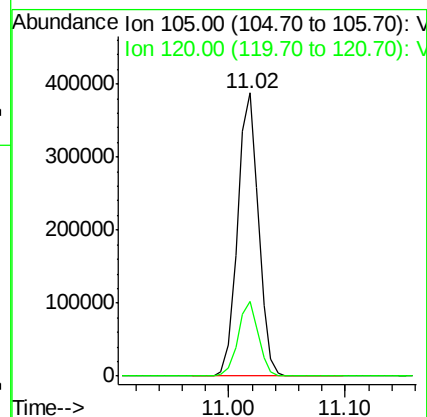
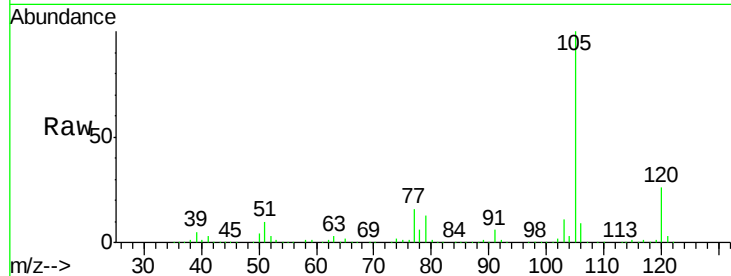
120 25.8 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.147 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion: 43 Resp: 275298

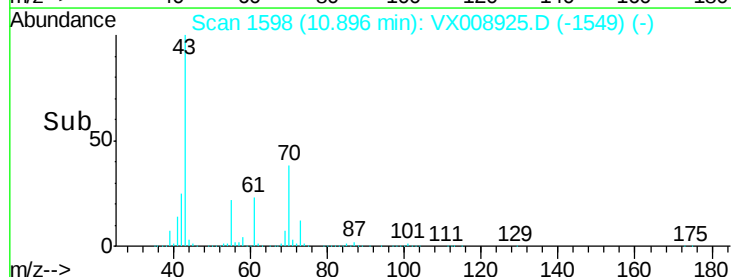
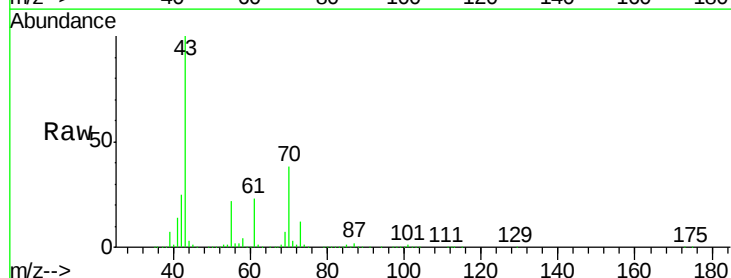
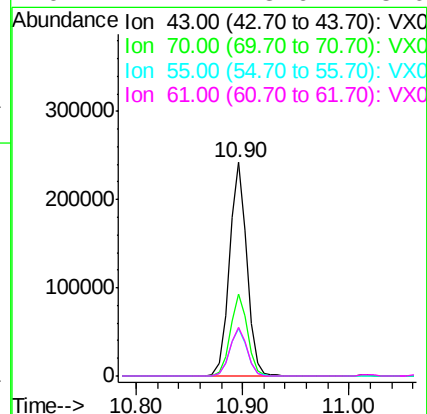
Ion Ratio Lower Upper

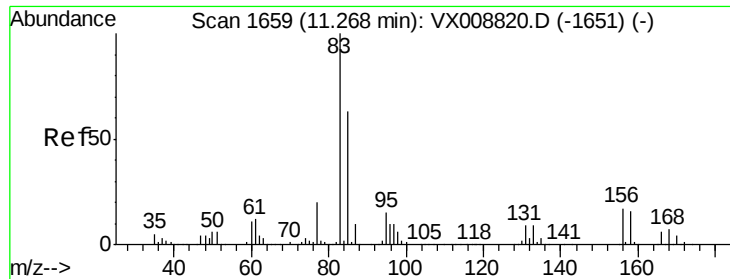
43 100

70 37.9 30.2 45.4

55 22.5 18.2 27.4

61 22.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.044 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

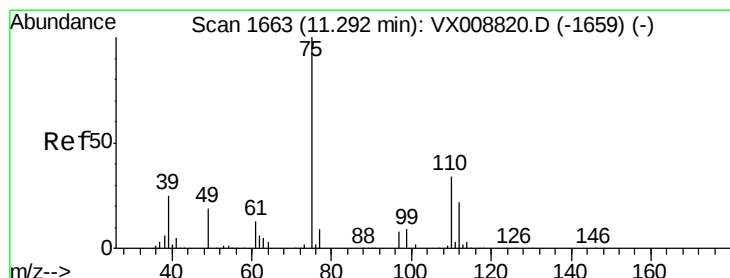
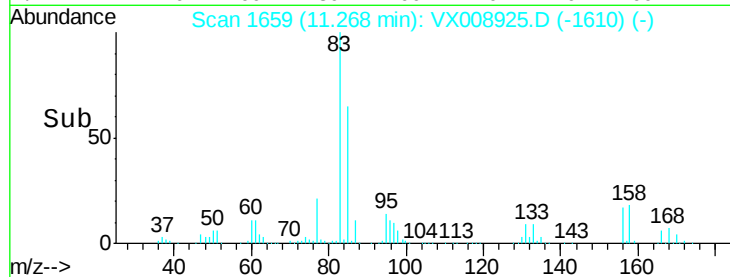
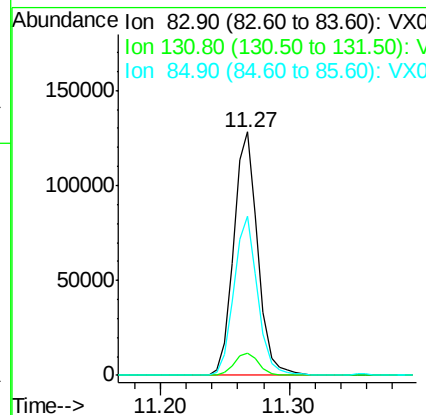
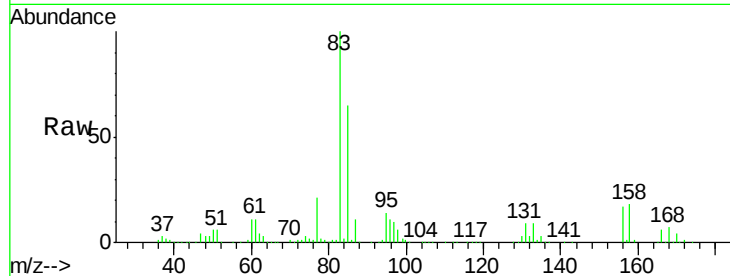
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	167368
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.5	13.7
85	64.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.903 ug/l m

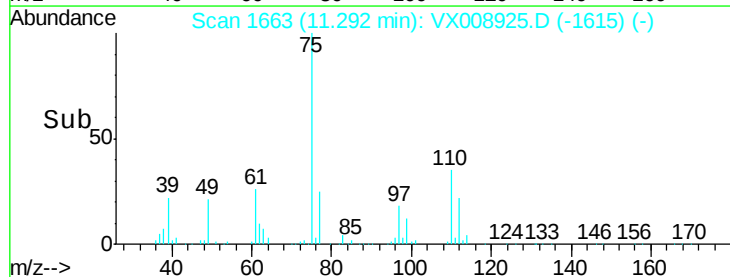
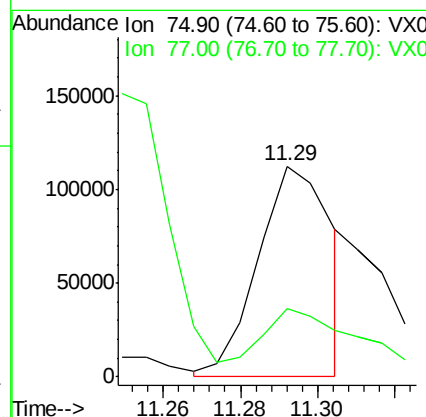
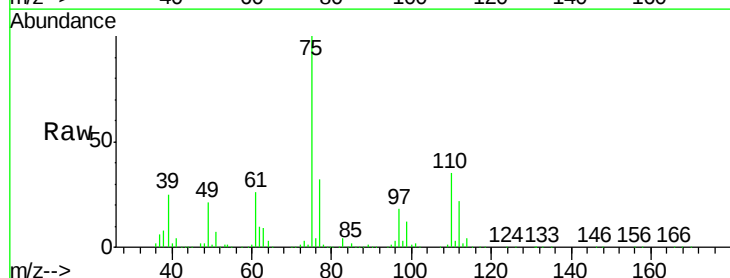
RT: 11.29 min Scan# 1663

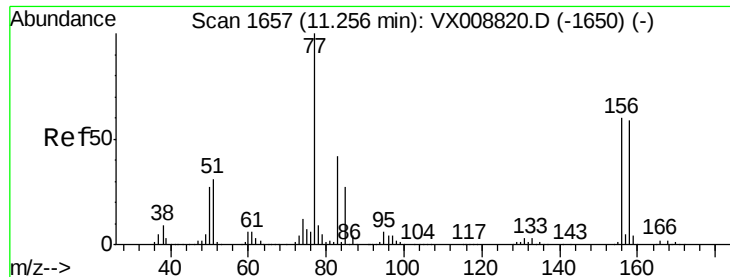
Delta R.T. -0.01 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	75	Resp:	148433
Ion Ratio	Lower	Upper	
75	100		
77	44.1	22.3	66.8





#77

Bromobenzene

Concen: 54.161 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

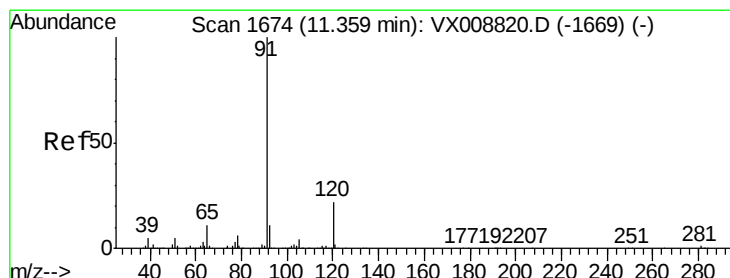
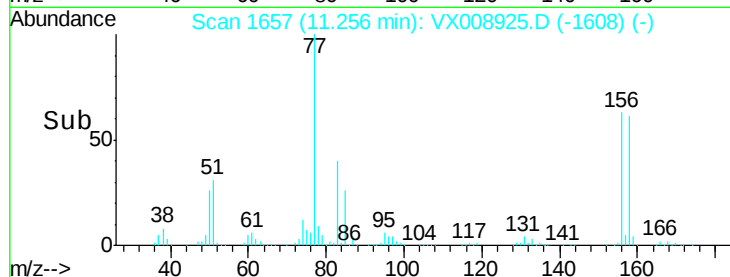
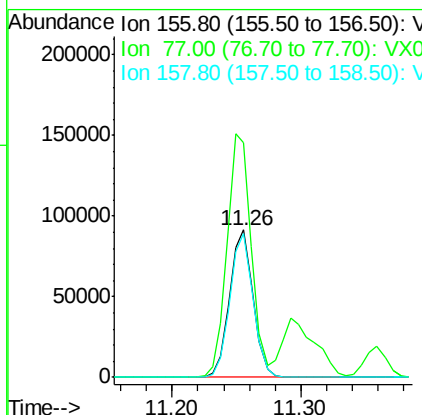
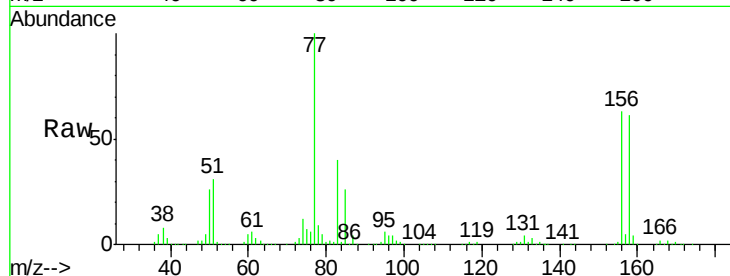
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	116832
Ion Ratio	Lower	Upper	
156	100		
77	170.4	89.8	269.6
158	96.8	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 53.866 ug/l

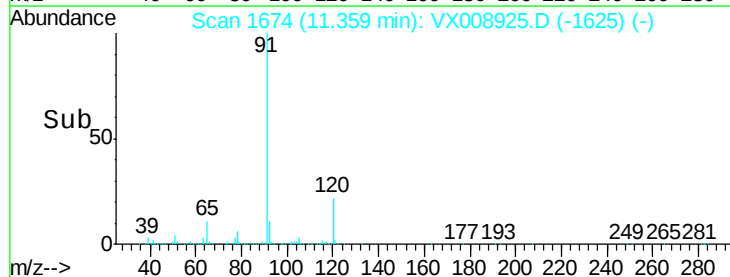
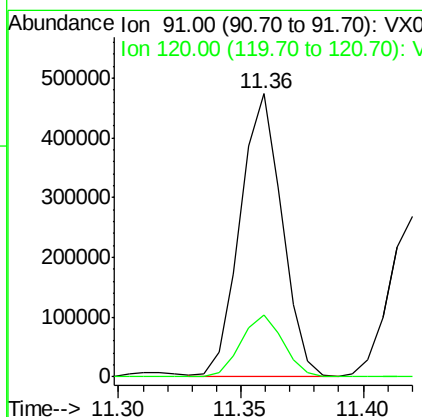
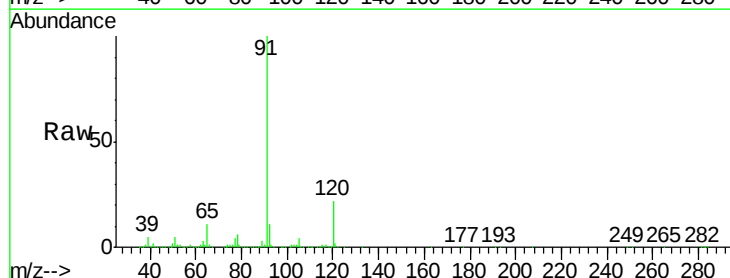
RT: 11.36 min Scan# 1674

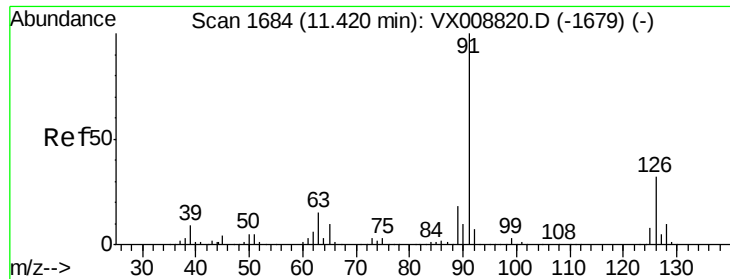
Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	91	Resp:	562795
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.9	32.7





#79

2-Chlorotoluene

Concen: 51.973 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 328609

Ion Ratio Lower Upper

91 100

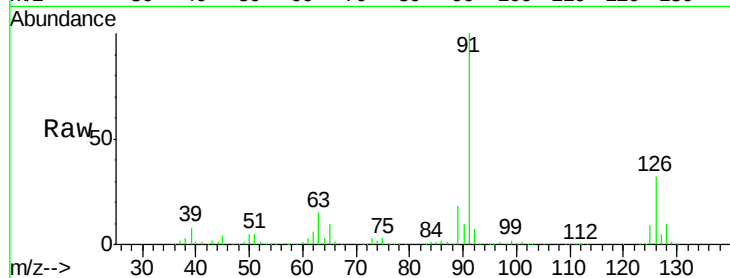
126 32.4 16.1 48.3

Manual Integrations

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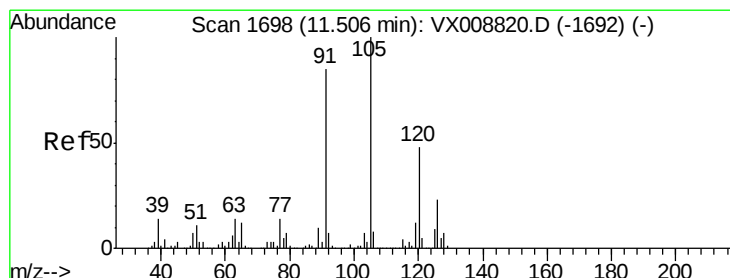
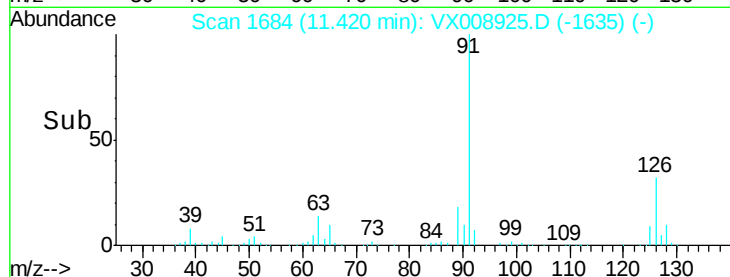
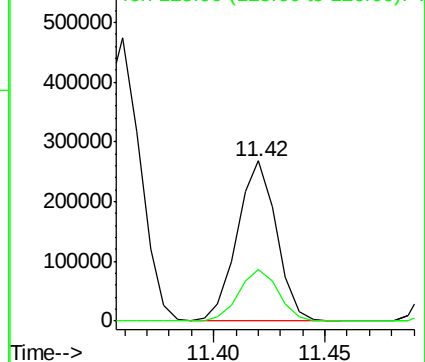
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.045 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008925.D

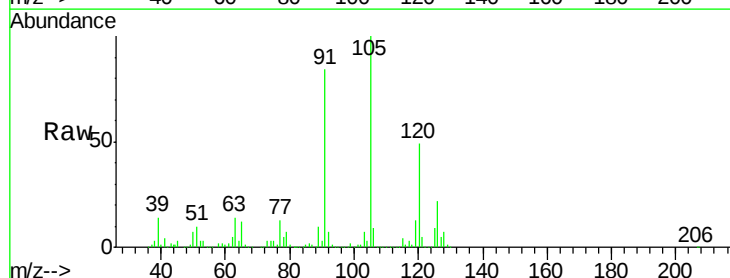
Acq: 13 Apr 2019 11:26

Tgt Ion:105 Resp: 407073

Ion Ratio Lower Upper

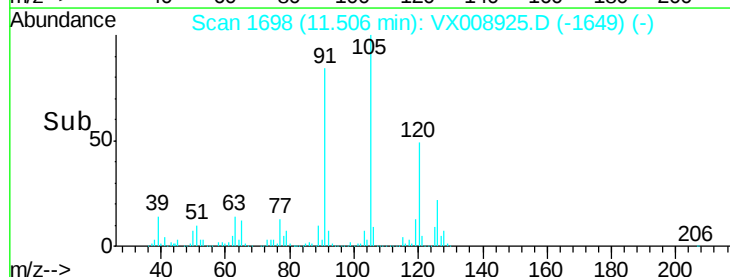
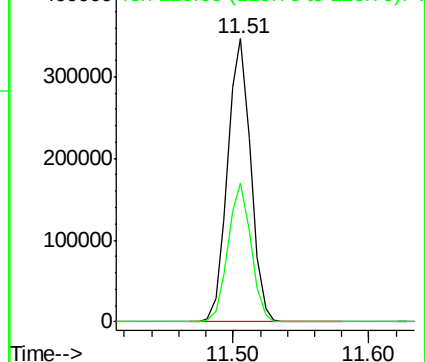
105 100

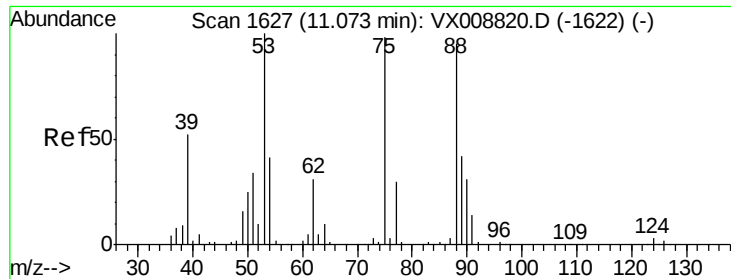
120 48.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





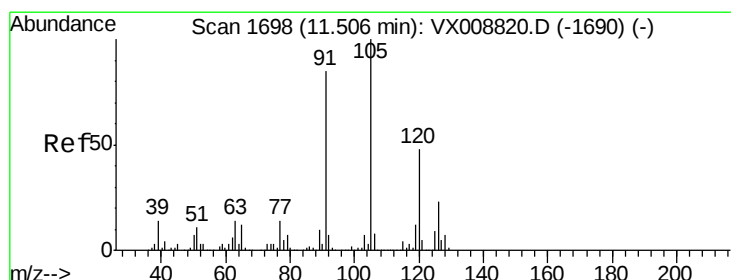
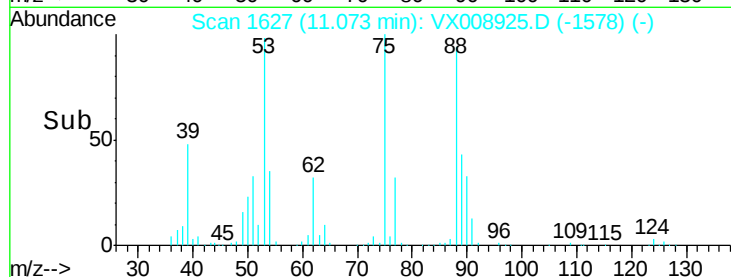
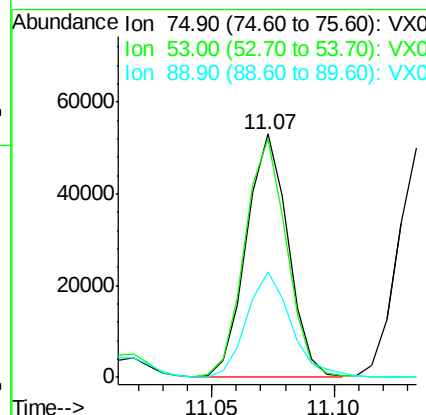
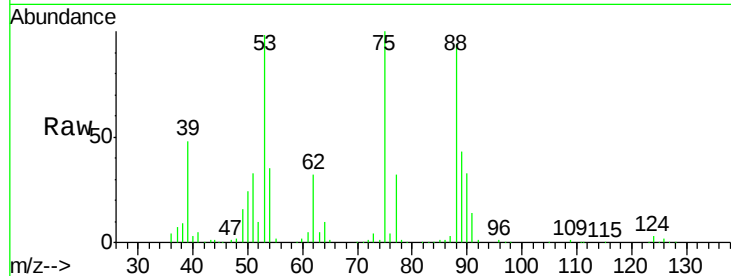
#81
trans-1,4-Dichloro-2-butene
Concen: 58.348 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	81.3	121.9
89	46.2	35.6	53.4

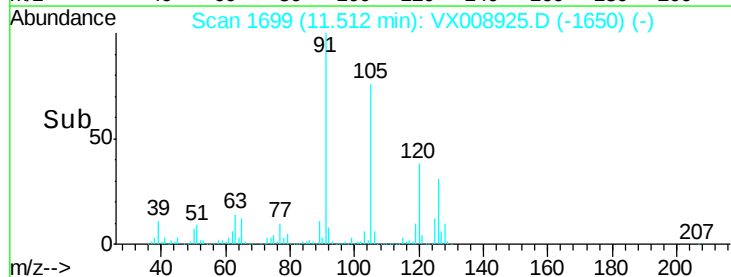
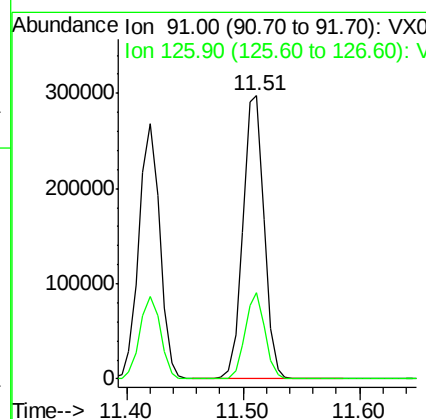
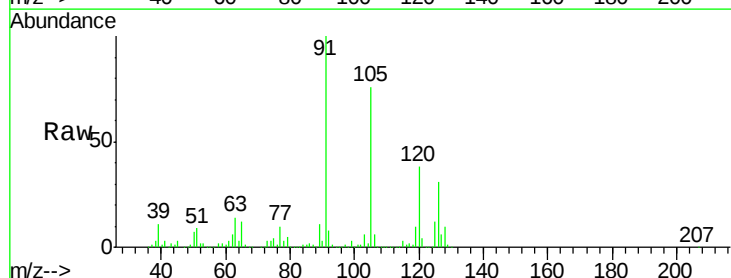
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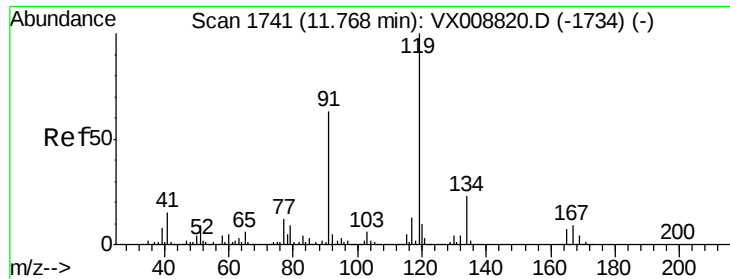
MMDadoda
4/15/2019 12:55:13 PM



#82
4-Chlorotoluene
Concen: 51.606 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	13.9	41.6





#83

tert-Butylbenzene

Concen: 53.341 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

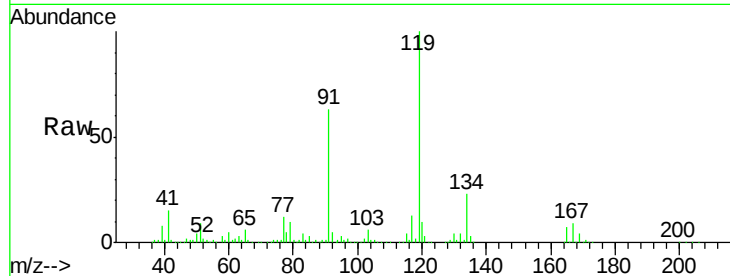
ClientSampleId :

VSTDCCC050

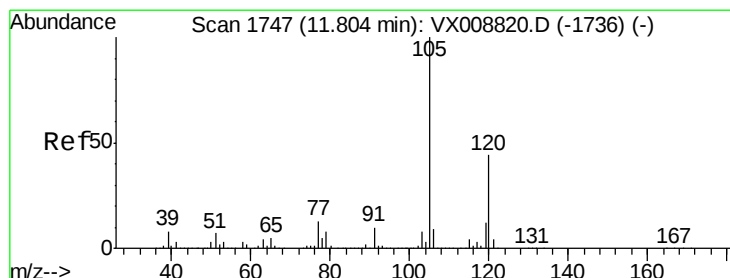
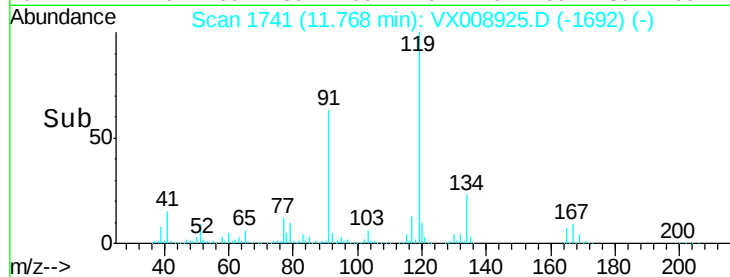
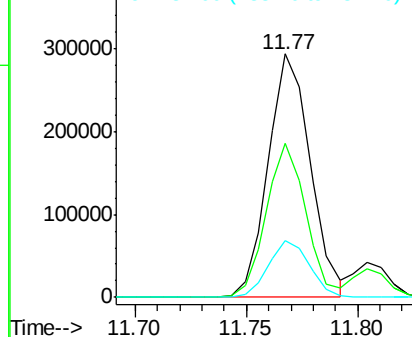
Tot Ion:	119	Resp:	386533
Ion Ratio	Lower	Upper	
119	100		
91	59.6	30.0	90.1
134	22.5	11.1	33.3

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.752 ug/l

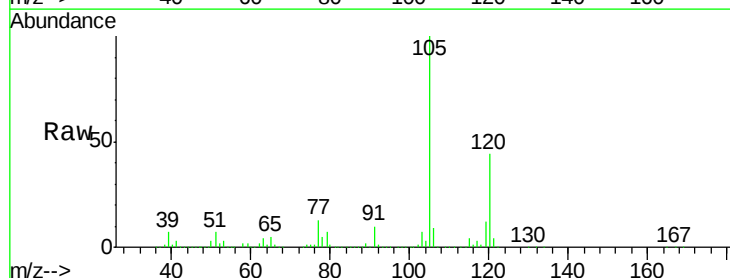
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

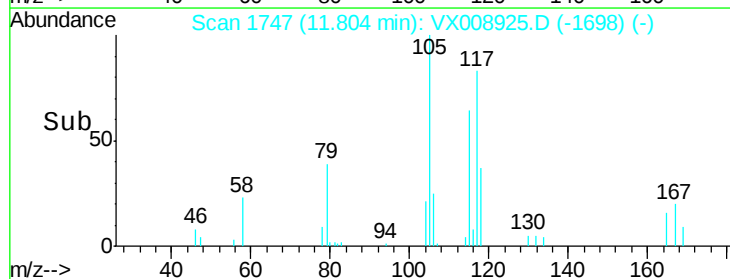
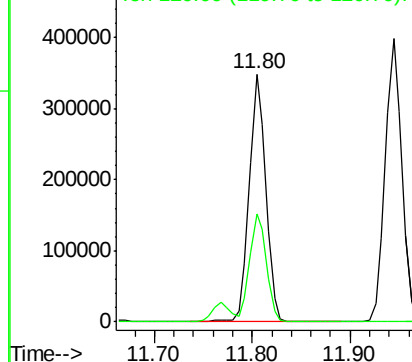
Lab File: VX008925.D

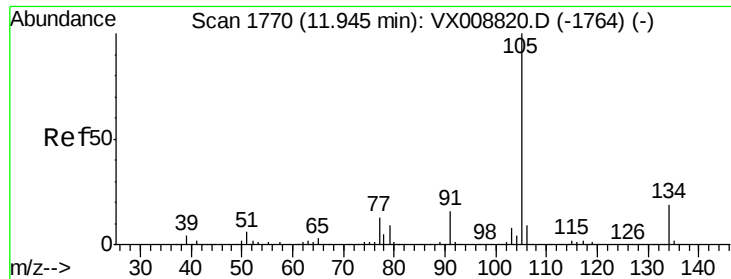
Acq: 13 Apr 2019 11:26

Tgt Ion:	105	Resp:	409954
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.8	65.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.909 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 472627

Ion Ratio Lower Upper

105 100

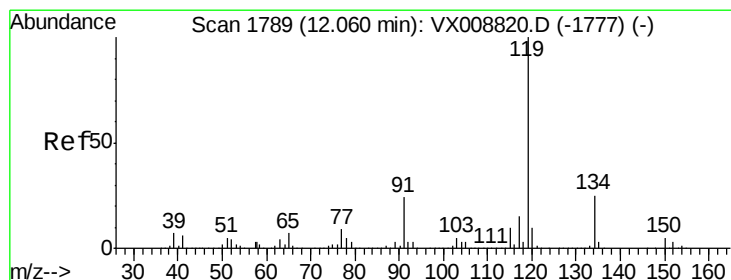
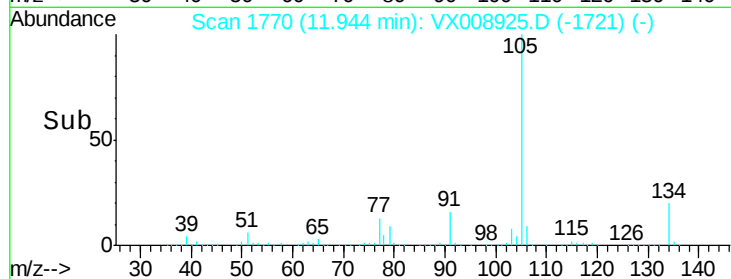
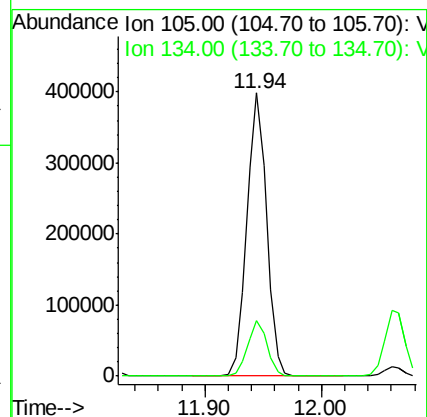
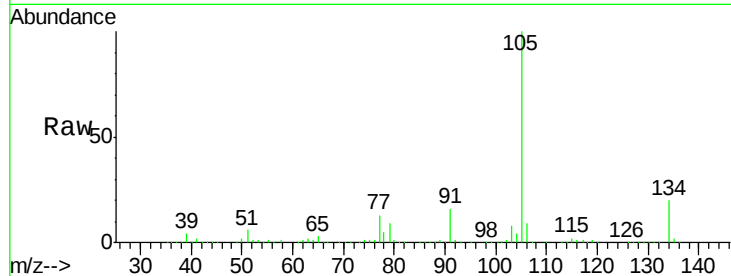
134 19.3 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 55.869 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

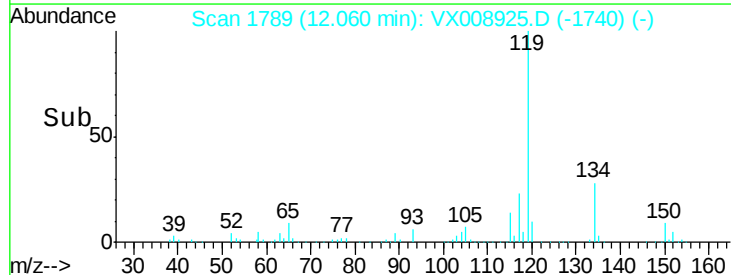
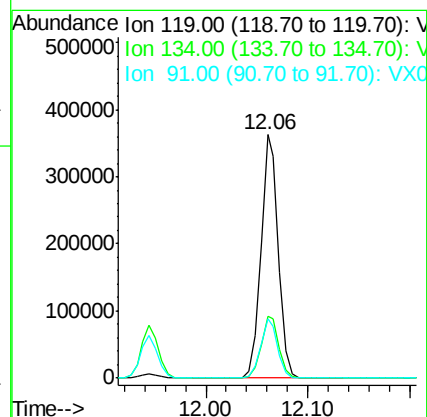
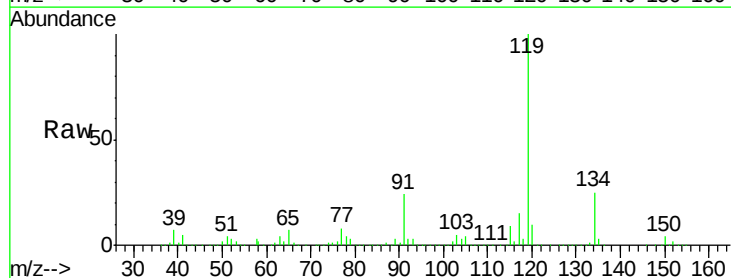
Tgt Ion:119 Resp: 431622

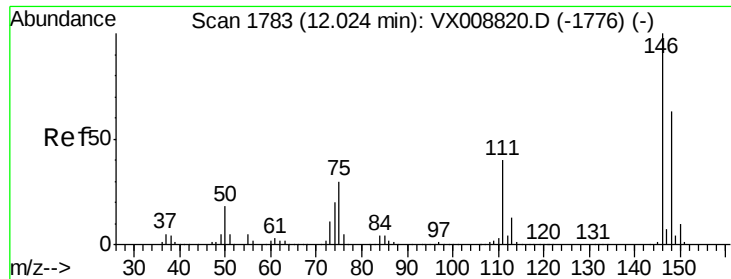
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

91 23.8 12.2 36.6





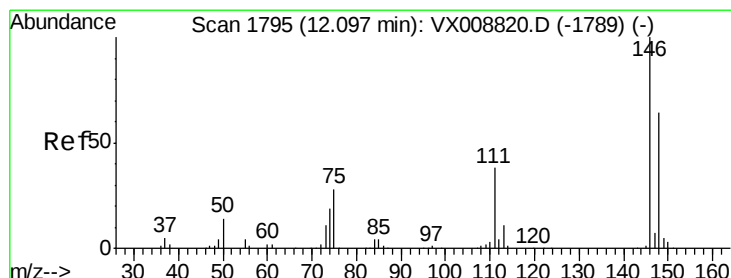
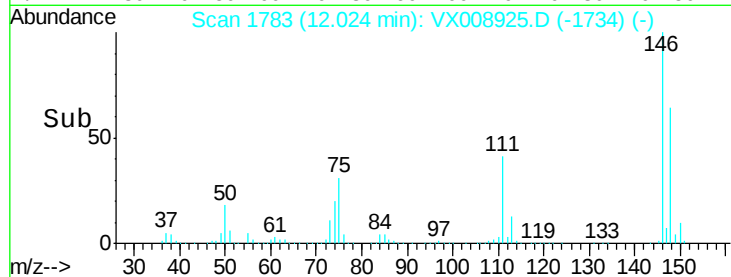
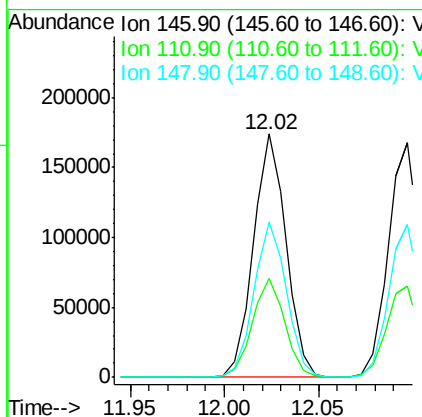
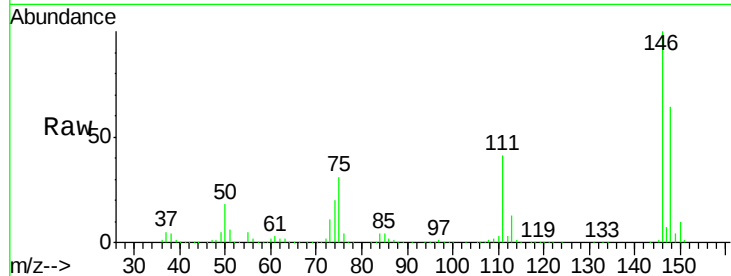
#87
 1,3-Dichlorobenzene
 Concen: 54.072 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208813		
111	40.4	20.5	61.5	
148	63.6	31.6	94.7	

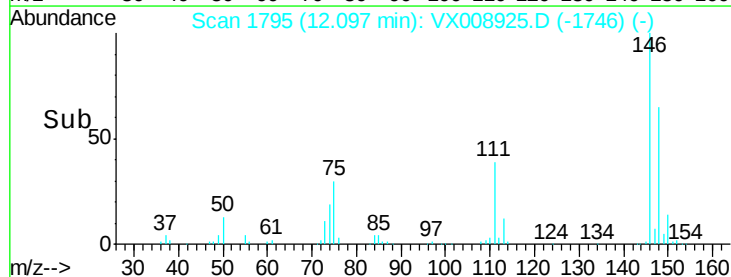
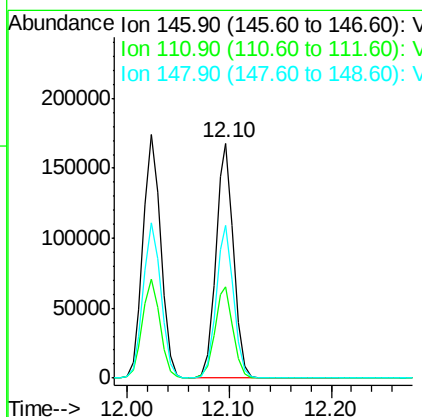
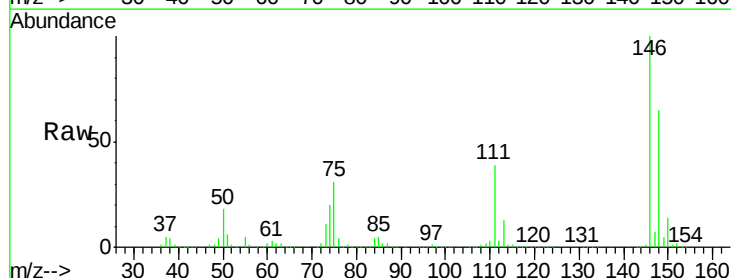
Manual Integrations
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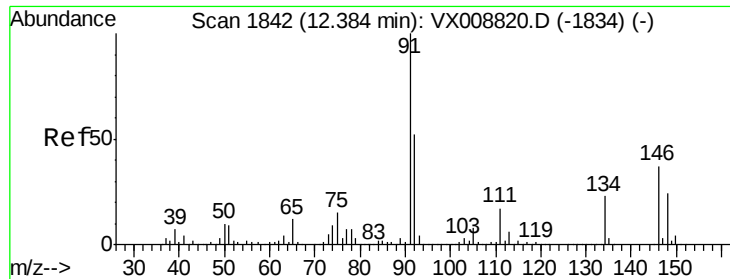
MMDadoda
 4/15/2019 12:55:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.217 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204193		
111	39.9	20.2	60.6	
148	64.2	32.0	96.0	





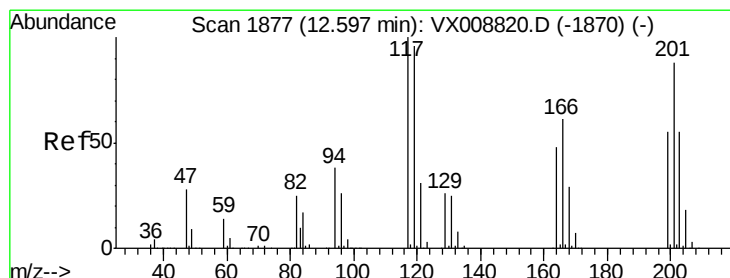
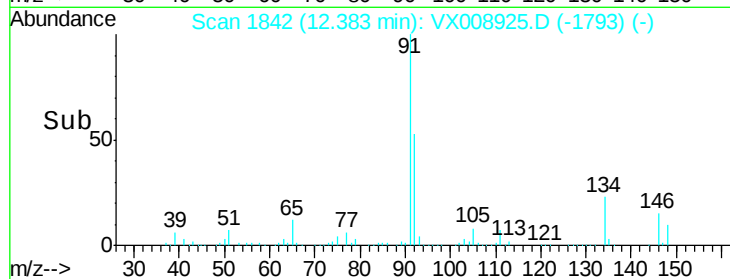
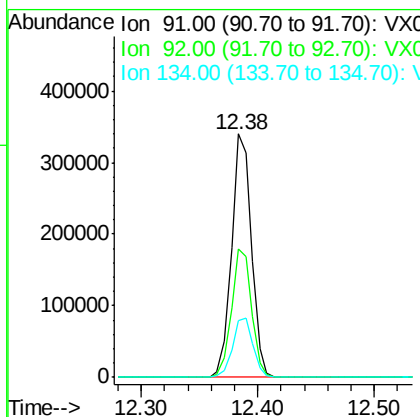
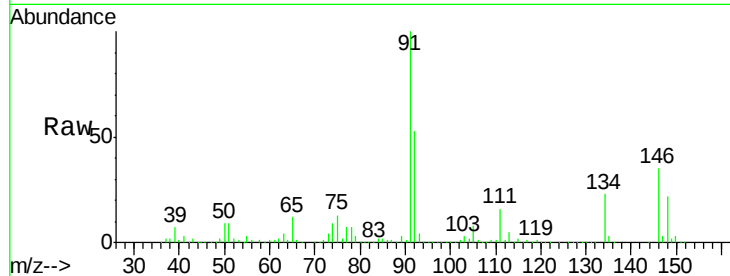
#89
n-Butylbenzene
Concen: 55.830 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.2
134	24.9	12.0	36.0

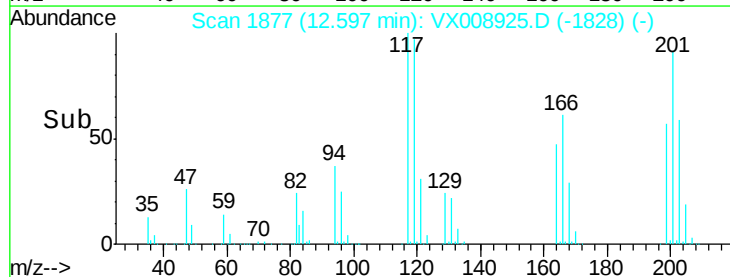
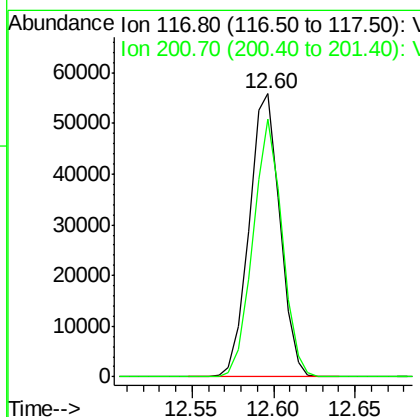
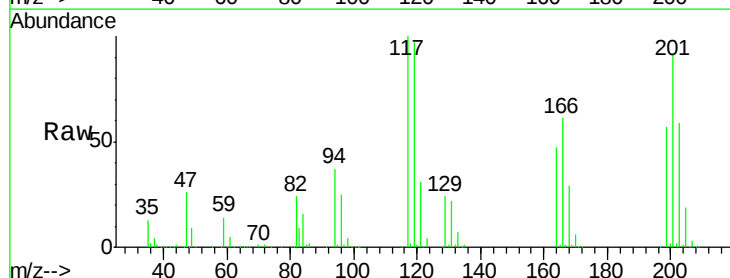
Manual Integrations
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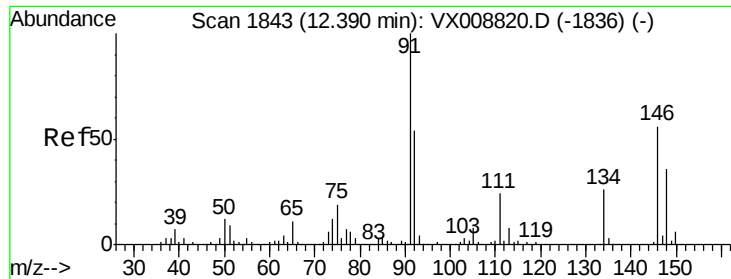
MMDadoda
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#90
Hexachloroethane
Concen: 57.422 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008925.D
Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	40.6	122.0





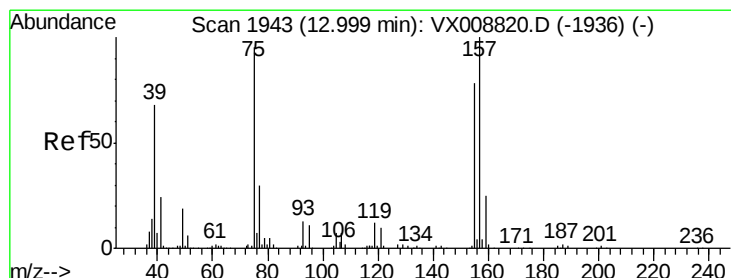
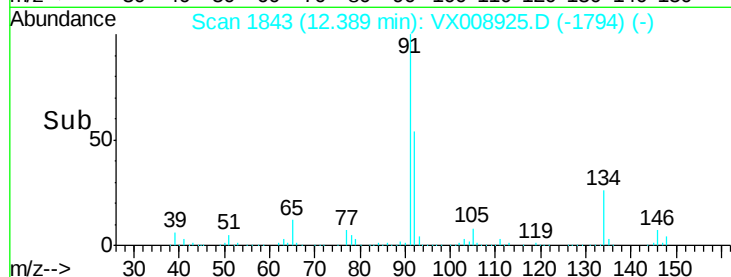
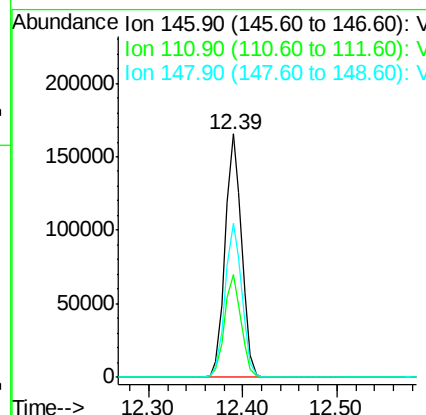
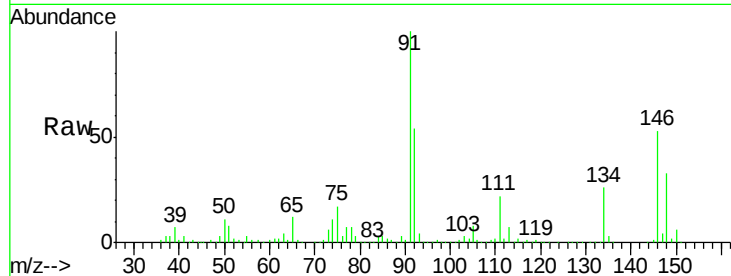
#91
 1,2-Dichlorobenzene
 Concen: 52.209 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	64.3	31.7	95.1

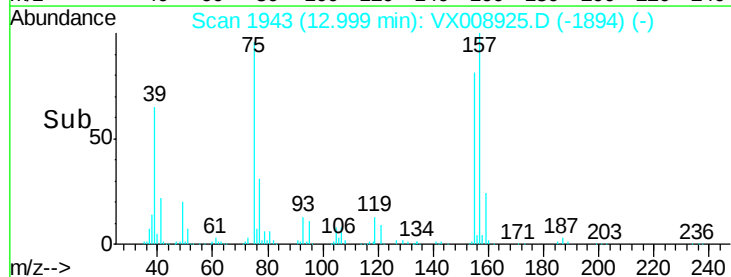
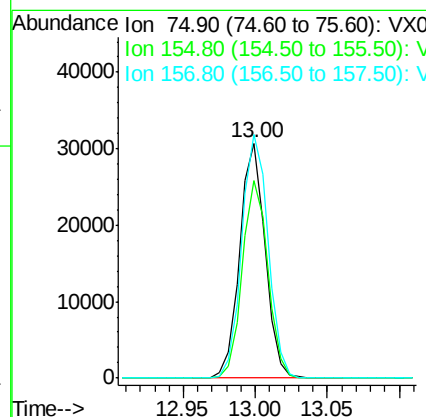
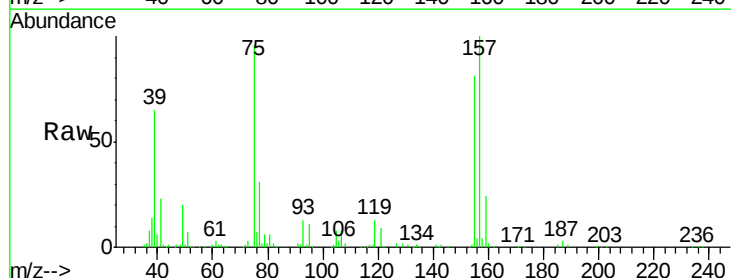
Manual Integrations
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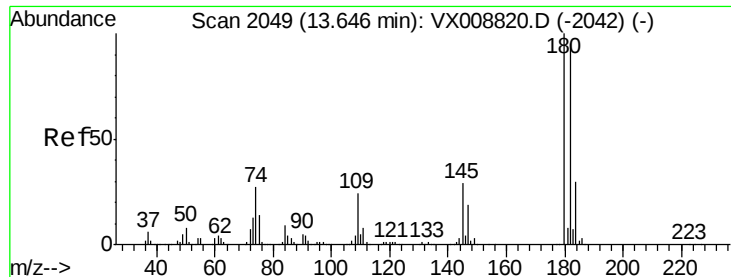
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.636 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	39.9	119.6
157	106.9	51.5	154.7





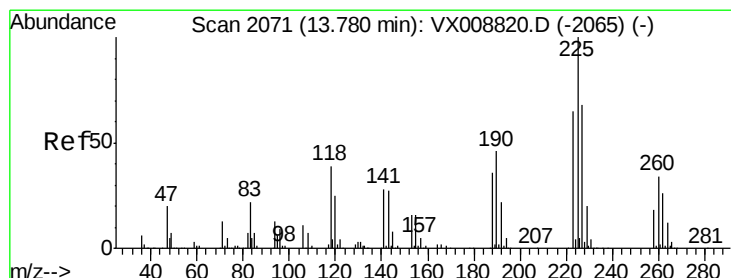
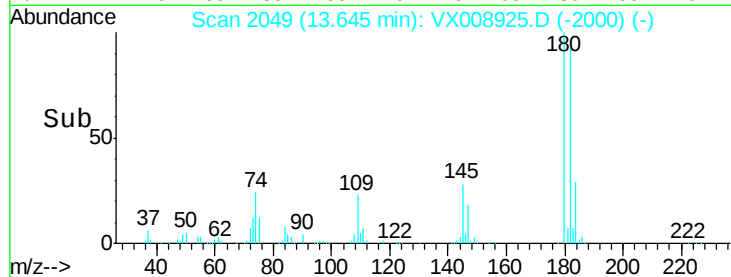
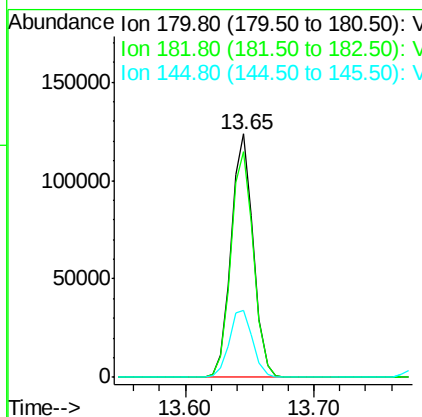
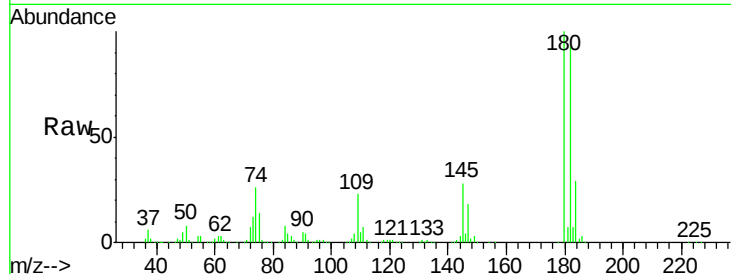
#93
 1,2,4-Trichlorobenzene
 Concen: 55.818 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	148807
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.2	141.6
145	29.3	15.3	45.9

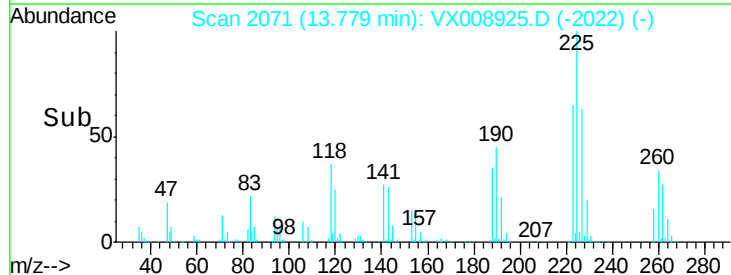
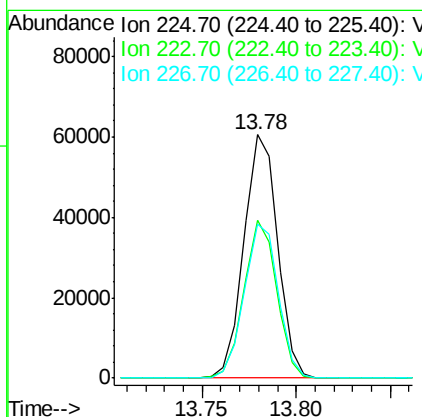
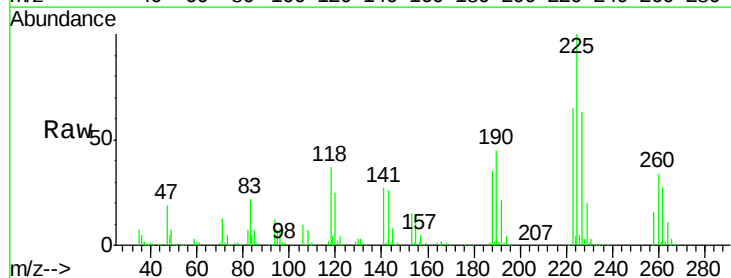
Manual Integrations
 APPROVED

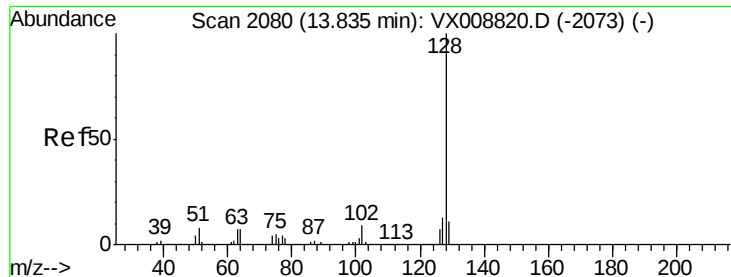
MMDadoda
 4/15/2019 12:55:13 PM



#94
 Hexachlorobutadiene
 Concen: 58.857 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008925.D
 Acq: 13 Apr 2019 11:26

Tgt Ion:	225	Resp:	75250
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.2	93.6
227	63.8	31.9	95.5





#95

Naphthalene

Concen: 52.800 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Instrument :

MSVOA_X

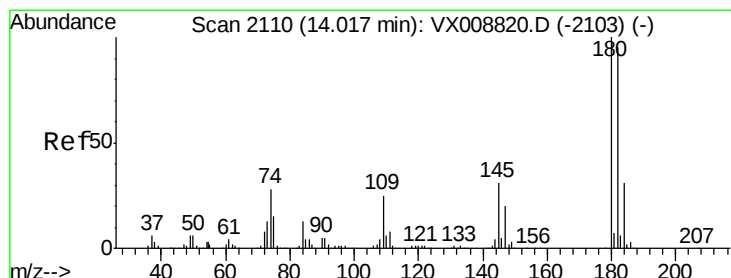
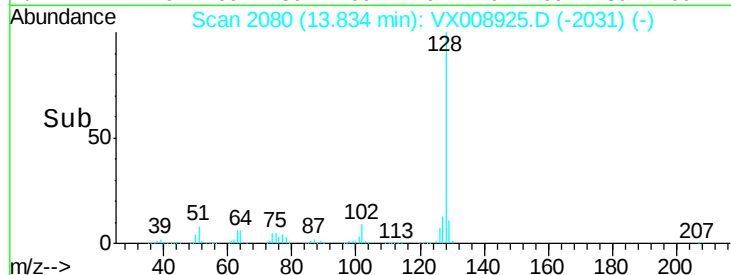
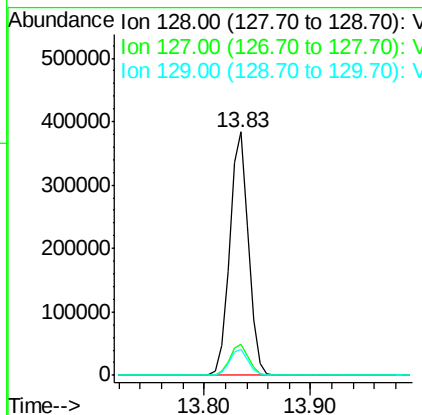
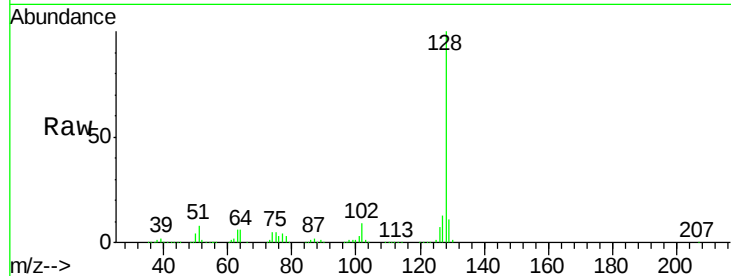
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	470456
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 54.766 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008925.D

Acq: 13 Apr 2019 11:26

Tgt Ion:	180	Resp:	145874
Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	30.9	16.3	48.8

