

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090419\
 Data File : VX012090.D
 Acq On : 05 Sep 2019 09:52
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:57:42 AM

Quant Time: Sep 05 14:55:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	99471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	205314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	191454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	78672	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	5.48	113	60157	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	8.71	98	224910	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.14	95	99909	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	42842	46.705	ug/l	95
3) Chloromethane	1.31	50	53890	57.365	ug/l	100
4) Vinyl Chloride	1.39	62	46600	52.725	ug/l	98
5) Bromomethane	1.62	94	28783	65.648	ug/l	98
6) Chloroethane	1.71	64	31940	58.131	ug/l	99
7) Trichlorofluoromethane	1.92	101	69761	50.818	ug/l	99
8) Diethyl Ether	2.17	74	30657	64.624	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	49495	48.678	ug/l #	83
10) Methyl Iodide	2.50	142	37332	38.184	ug/l	94
11) Tert butyl alcohol	3.03	59	38833	294.570	ug/l	96
12) 1,1-Dichloroethene	2.36	96	50922	51.989	ug/l	93
13) Acrolein	2.28	56	632	Below Cal	#	82
14) Allyl chloride	2.72	41	100449	56.676	ug/l	98
15) Acrylonitrile	3.12	53	90860	304.797	ug/l	99
16) Acetone	2.43	43	79635	242.747	ug/l	100
17) Carbon Disulfide	2.56	76	159639	55.768	ug/l	99
18) Methyl Acetate	2.76	43	84994	109.980	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	197274	61.865	ug/l	100
20) Methylene Chloride	2.84	84	73467	55.768	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	64675	56.268	ug/l	94
22) Diisopropyl ether	3.84	45	221899	61.426	ug/l	94
23) Vinyl Acetate	3.80	43	548709	234.804	ug/l	98
24) 1,1-Dichloroethane	3.68	63	123335	58.867	ug/l	98
25) 2-Butanone	4.65	43	123169	294.950	ug/l	95
26) 2,2-Dichloropropane	4.56	77	75465	39.013	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	78998	58.633	ug/l	94
28) Bromochloromethane	5.00	49	52072	62.262	ug/l #	80
29) Tetrahydrofuran	5.11	42	78665	312.660	ug/l	99
30) Chloroform	5.19	83	133829	59.529	ug/l	95
31) Cyclohexane	5.56	56	81005	48.140	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	109865	56.111	ug/l	97
36) 1,1-Dichloropropene	5.79	75	85995	47.556	ug/l	96
37) Ethyl Acetate	4.82	43	51051	51.916	ug/l	98
38) Carbon Tetrachloride	5.77	117	90448	47.468	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	87096	41.499	ug/l	92
40) Benzene	6.13	78	272823	52.554	ug/l	98
41) Methacrylonitrile	5.02	41	33107	56.457	ug/l	99
42) 1,2-Dichloroethane	6.18	62	107973	57.797	ug/l	96
43) Isopropyl Acetate	6.43	43	107093	53.561	ug/l	98
44) Trichloroethene	7.20	130	71387	50.984	ug/l	88
45) 1,2-Dichloropropane	7.50	63	72160	53.801	ug/l	99
46) Dibromomethane	7.65	93	43742	55.867	ug/l #	74
47) Bromodichloromethane	7.89	83	108472	54.504	ug/l	96
48) Methyl methacrylate	7.76	41	57927	57.619	ug/l	96
49) 1,4-Dioxane	7.73	88	15703	1145.791	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	283405	278.668	ug/l	97
52) Toluene	8.78	92	175281	51.894	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101550	49.286	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112445	49.076	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	59710	53.342	ug/l	97
56) Ethyl methacrylate	9.17	69	86016	53.647	ug/l	95
57) 1,3-Dichloropropane	9.37	76	106157	54.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	197810	273.649	ug/l	94
59) 2-Hexanone	9.48	43	198448	267.422	ug/l	97
60) Dibromochloromethane	9.57	129	72432	54.293	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59126	54.663	ug/l	100
64) Tetrachloroethene	9.33	164	71189	59.642	ug/l #	84
65) Chlorobenzene	10.14	112	194175	51.403	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	72475	52.471	ug/l	98
67) Ethyl Benzene	10.25	91	344407	50.018	ug/l	95
68) m/p-Xylenes	10.35	106	255139	100.569	ug/l	91
69) o-Xylene	10.70	106	126835	51.558	ug/l	92
70) Styrene	10.71	104	223243	52.246	ug/l	95
71) Bromoform	10.85	173	39937	52.642	ug/l #	98
73) Isopropylbenzene	11.01	105	332836	47.265	ug/l	96
74) N-amyl acetate	10.89	43	84671	40.667	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	73719	50.215	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64190m	54.738	ug/l	
77) Bromobenzene	11.25	156	80530	51.132	ug/l	69
78) n-propylbenzene	11.35	91	393146	46.212	ug/l	94
79) 2-Chlorotoluene	11.42	91	251460	48.789	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	297960	48.283	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	18606	37.510	ug/l	90
82) 4-Chlorotoluene	11.51	91	303327	49.377	ug/l	91
83) tert-Butylbenzene	11.76	119	271832	46.216	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	306552	48.333	ug/l	95
85) sec-Butylbenzene	11.94	105	331584	45.387	ug/l	94
86) p-Isopropyltoluene	12.06	119	286196	43.076	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	154570	48.979	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	159413	50.519	ug/l	94
89) n-Butylbenzene	12.39	91	285920	44.300	ug/l	96
90) Hexachloroethane	12.59	117	59664	44.975	ug/l	59
91) 1,2-Dichlorobenzene	12.39	146	148004	52.073	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15837	51.552	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	95145	47.031	ug/l	96
94) Hexachlorobutadiene	13.78	225	45404	44.524	ug/l	99
95) Naphthalene	13.83	128	226710	51.780	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	87975	49.430	ug/l	95

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

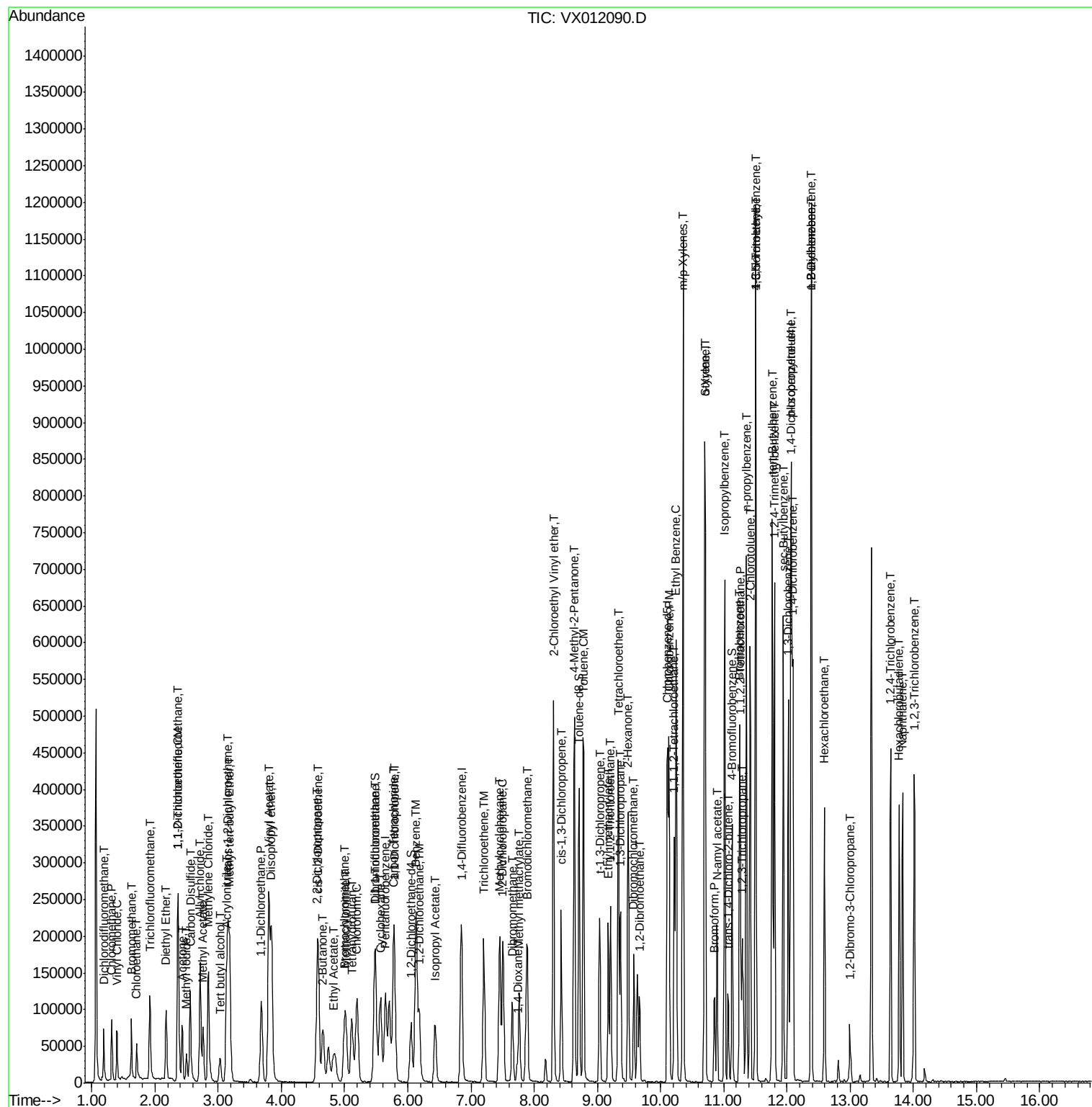
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090419\
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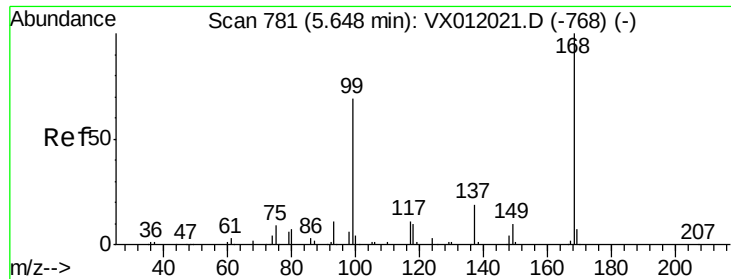
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 99471

Ion Ratio Lower Upper

168 100

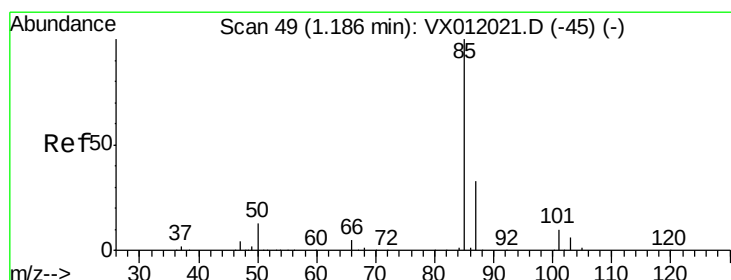
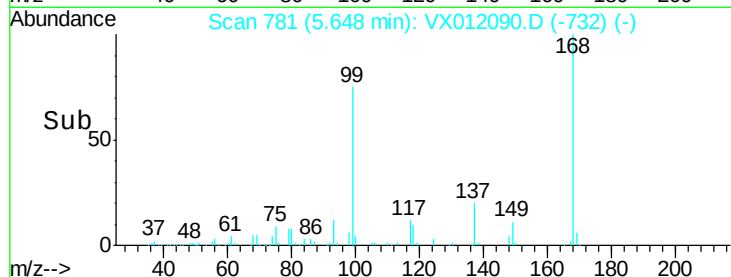
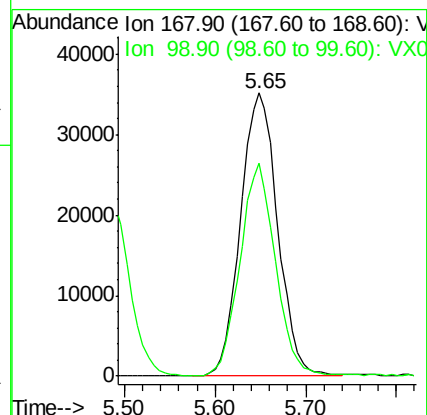
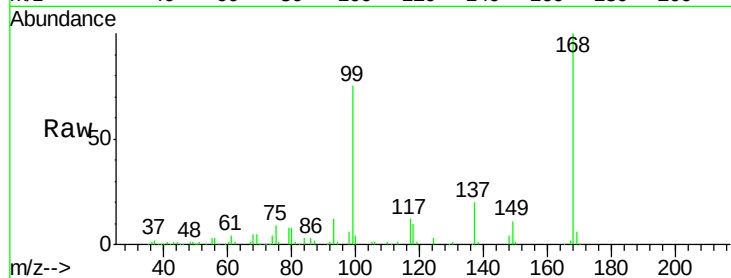
99 74.8 37.6 56.4#

Manual Integrations

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9/9/2019 8:57:42 AM



#2

Dichlorodifluoromethane

Concen: 46.705 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012090.D

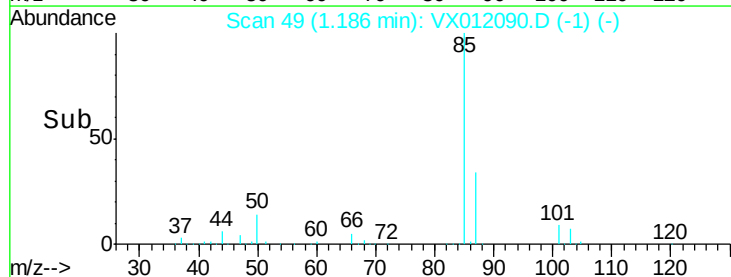
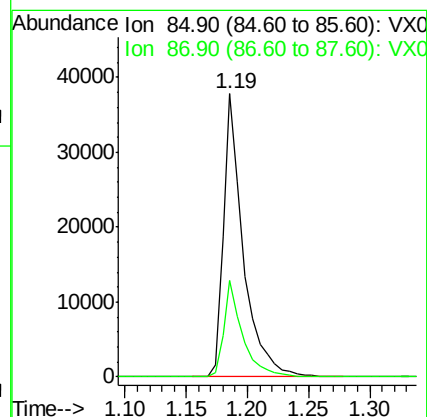
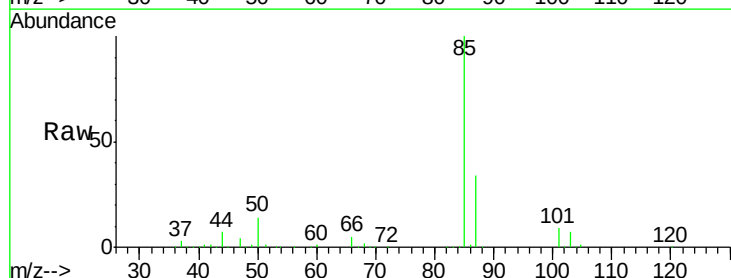
Acq: 05 Sep 2019 09:52

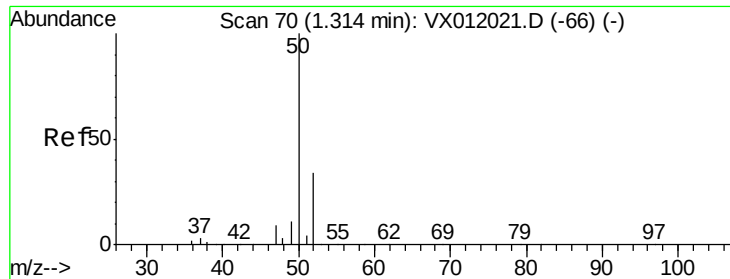
Tgt Ion: 85 Resp: 42842

Ion Ratio Lower Upper

85 100

87 34.0 15.6 46.8





#3

Chloromethane

Concen: 57.365 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 53890

Ion Ratio Lower Upper

50 100

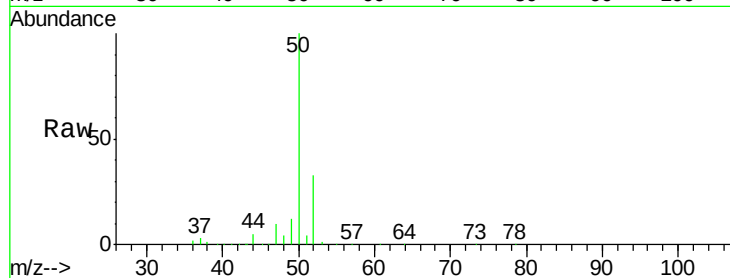
52 33.1 26.5 39.7

Manual Integrations

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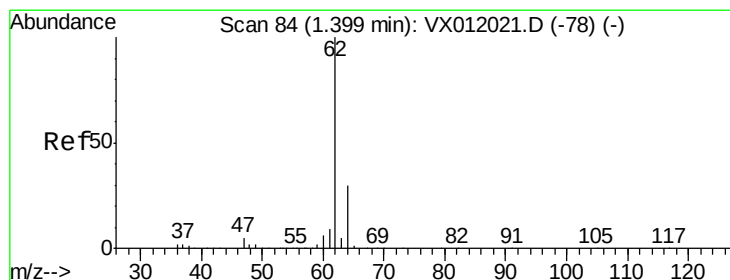
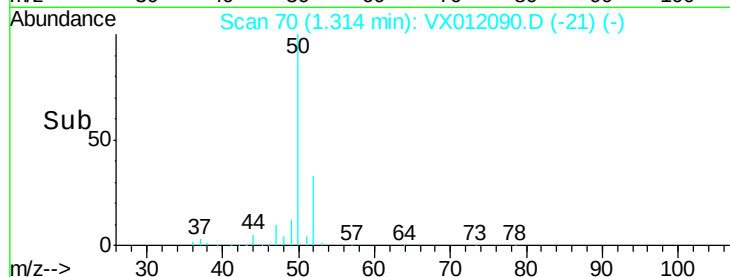
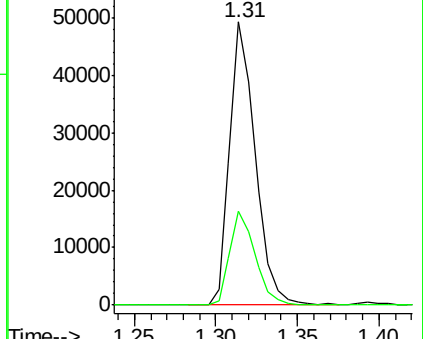
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.725 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012090.D

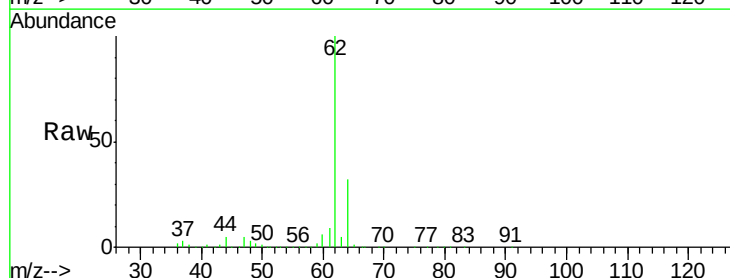
Acq: 05 Sep 2019 09:52

Tgt Ion: 62 Resp: 46600

Ion Ratio Lower Upper

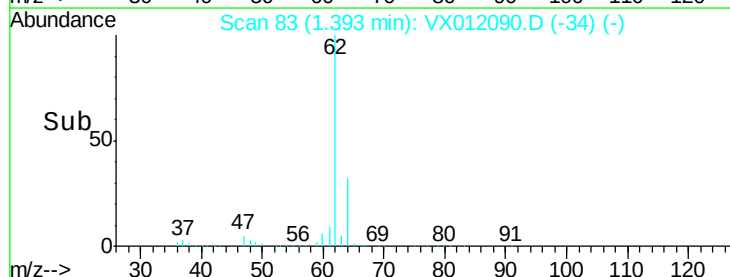
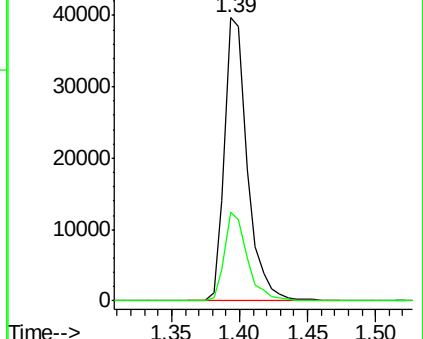
62 100

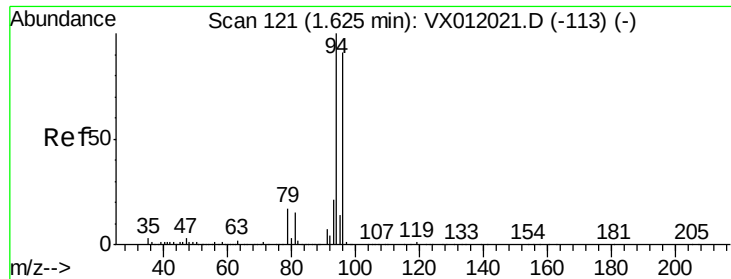
64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 65.648 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 28783

Ion Ratio Lower Upper

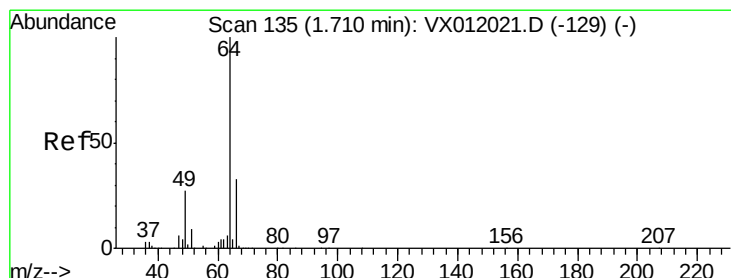
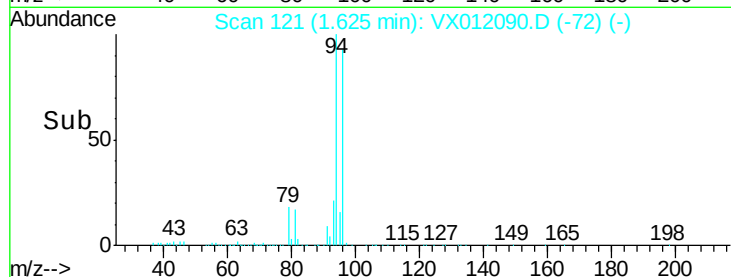
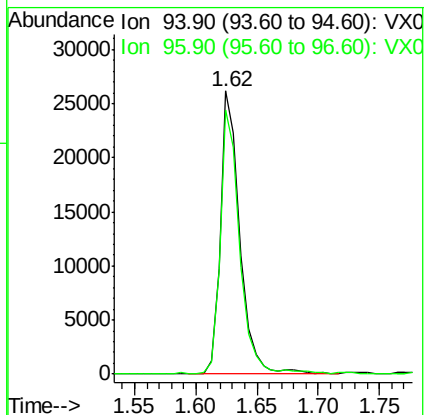
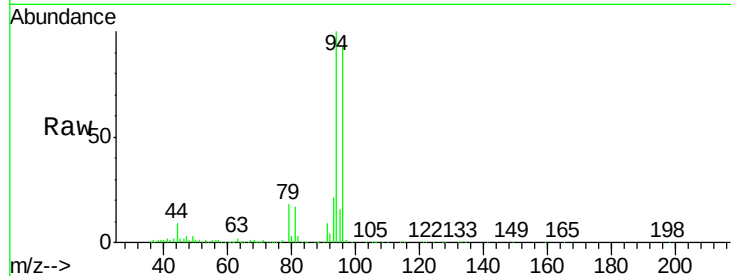
94 100

96 93.4 76.3 114.5

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9/9/2019 8:57:42 AM



#6

Chloroethane

Concen: 58.131 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012090.D

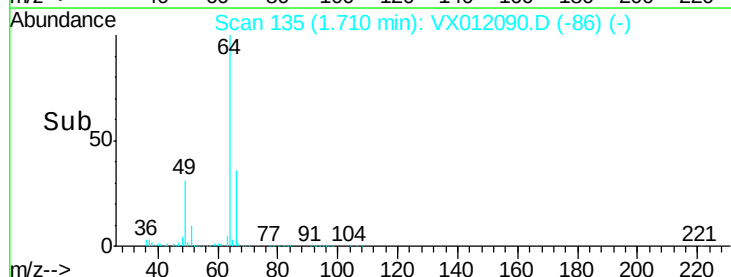
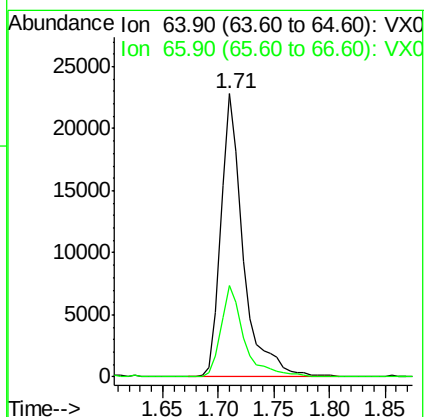
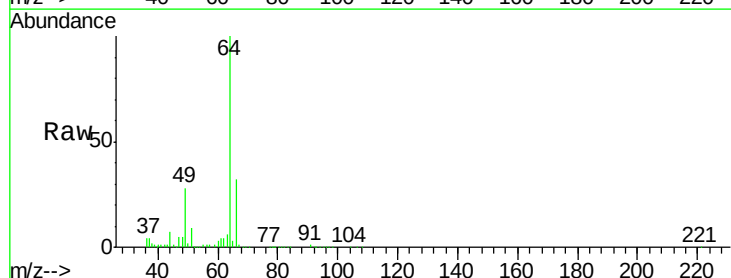
Acq: 05 Sep 2019 09:52

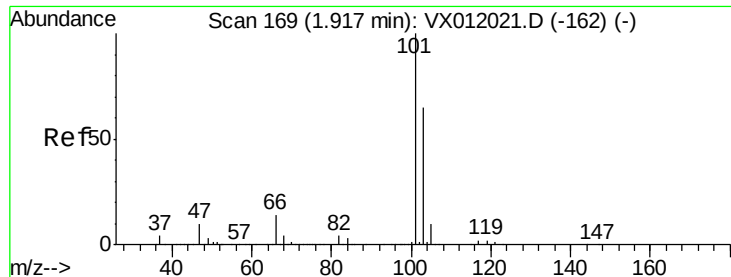
Tgt Ion: 64 Resp: 31940

Ion Ratio Lower Upper

64 100

66 32.3 26.3 39.5





#7

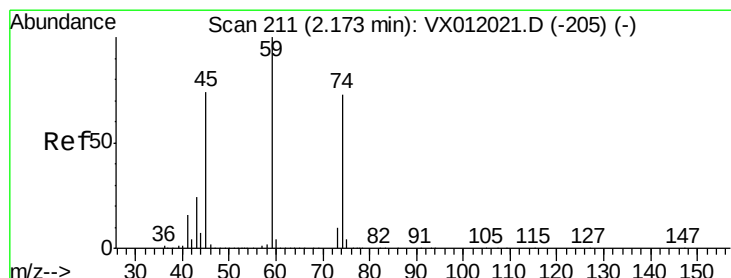
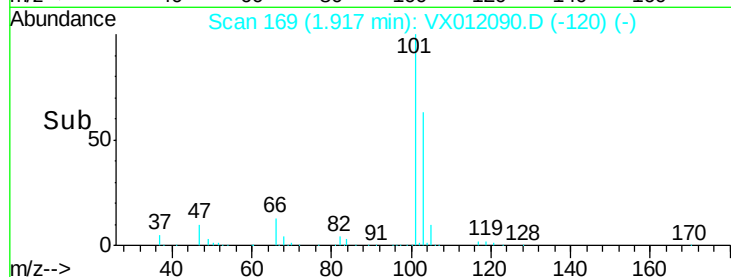
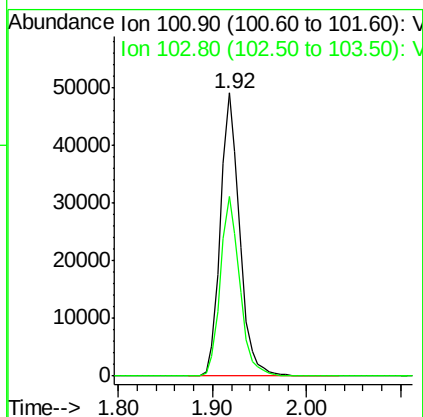
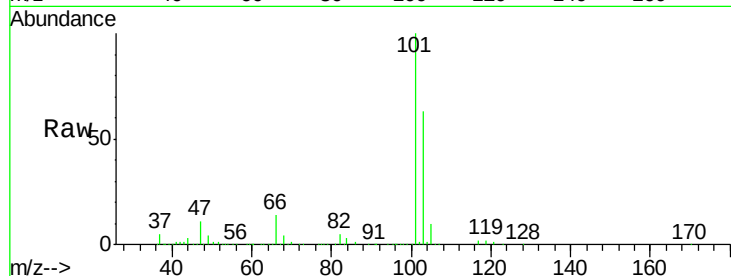
Trichlorofluoromethane
 Concen: 50.818 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.6	77.4

Manual Integrations
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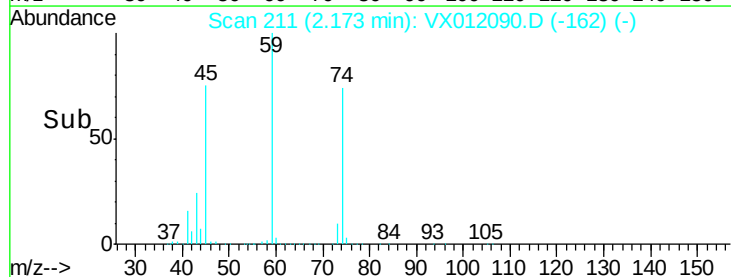
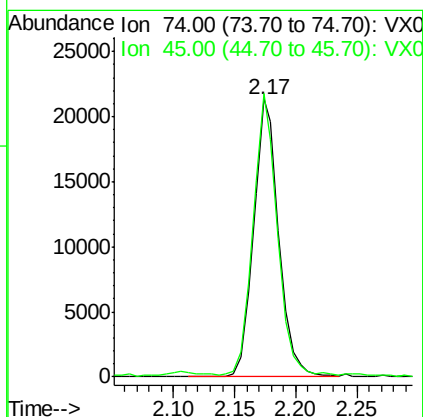
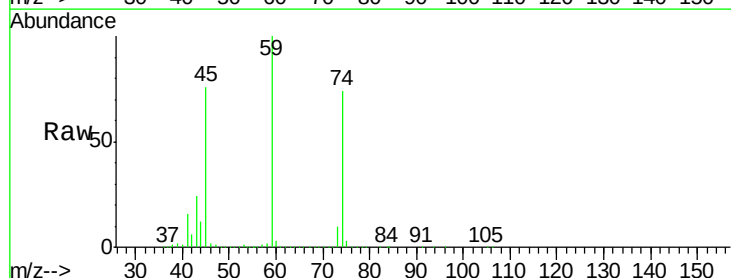
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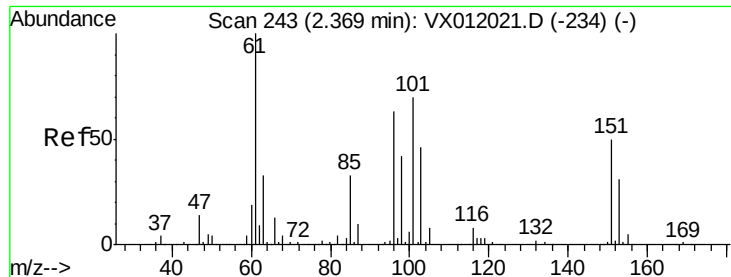


#8

Diethyl Ether
 Concen: 64.624 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.678 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

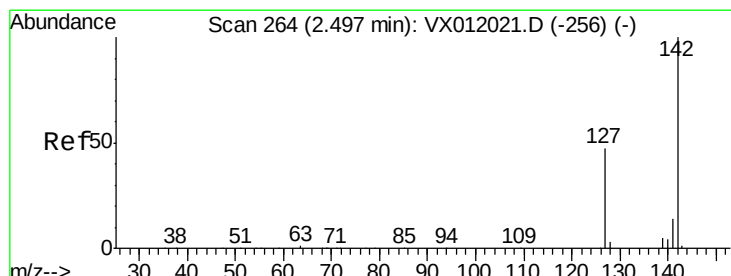
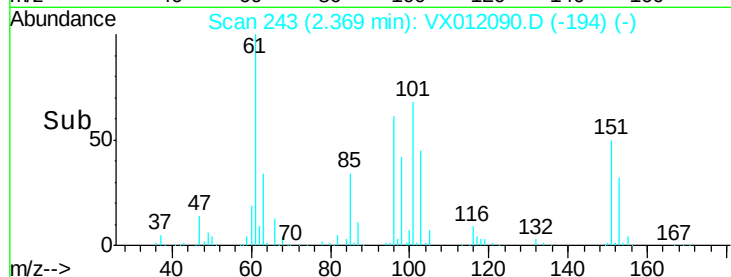
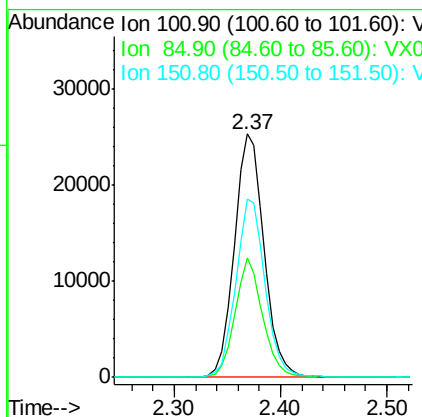
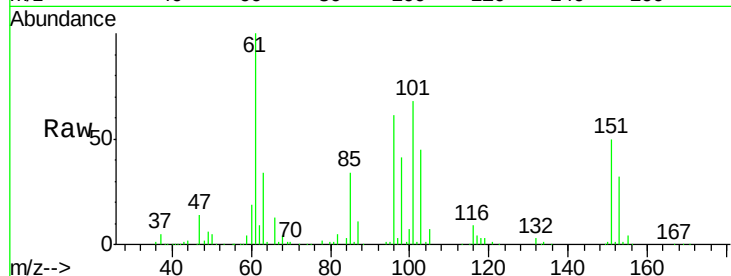
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	49495
Ion Ratio	Lower	Upper	
101	100		
85	45.8	34.5	51.7
151	71.9	75.0	112.4#

Manual Integrations
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9/9/2019 8:57:42 AM



#10

Methyl Iodide

Concen: 38.184 ug/l

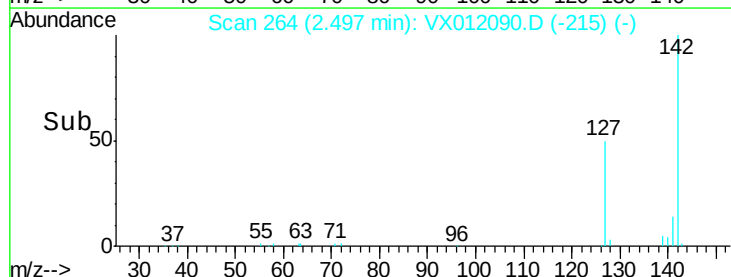
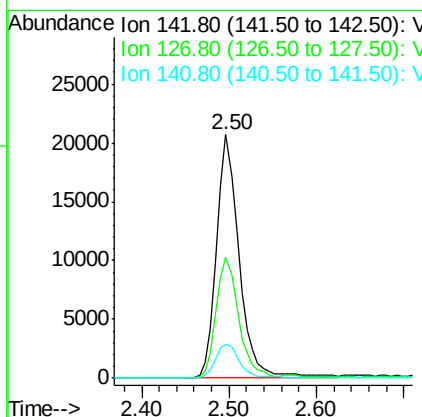
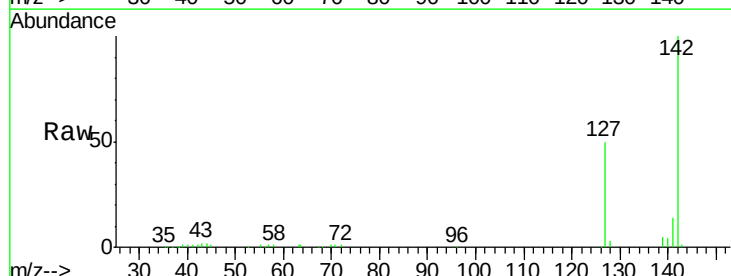
RT: 2.50 min Scan# 264

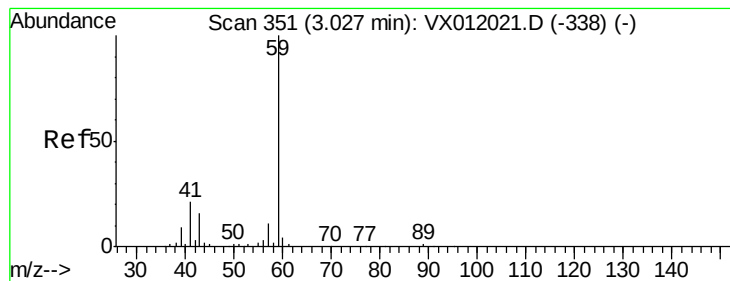
Delta R.T. 0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	142	Resp:	37332
Ion Ratio	Lower	Upper	
142	100		
127	49.3	35.4	53.2
141	14.6	11.4	17.2





#11

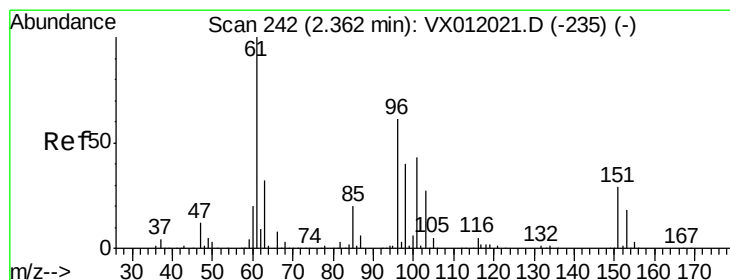
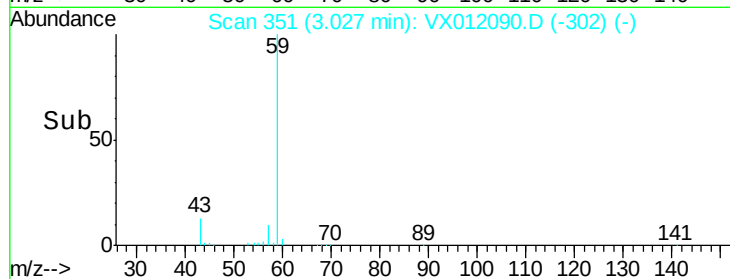
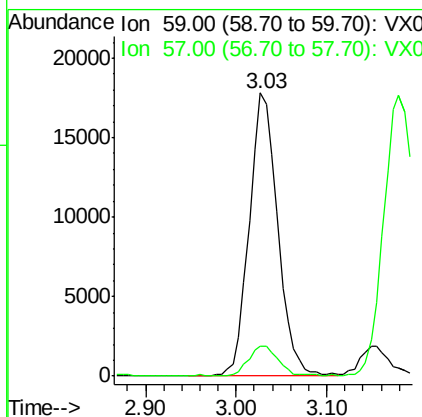
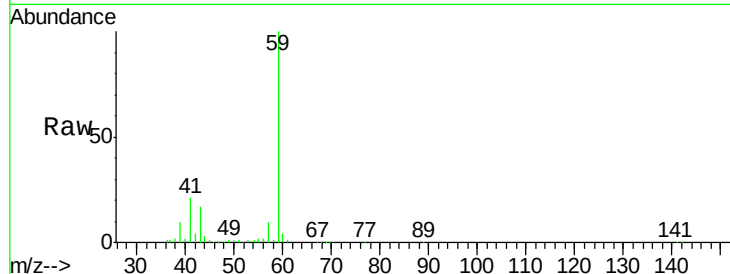
Tert butyl alcohol
 Concen: 294.570 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	38833
Ion Ratio	100	Lower	Upper
57	11.4	7.9	11.9

Manual Integrations
 APPROVED

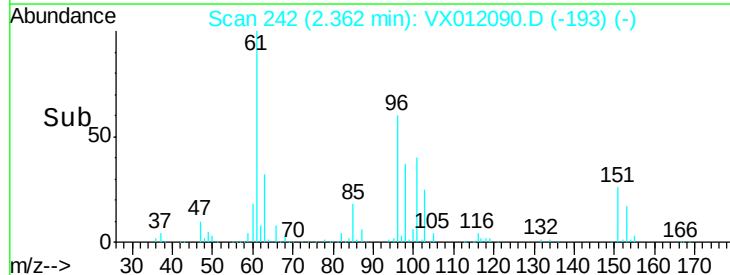
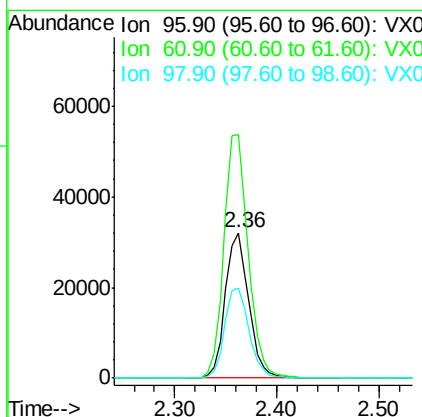
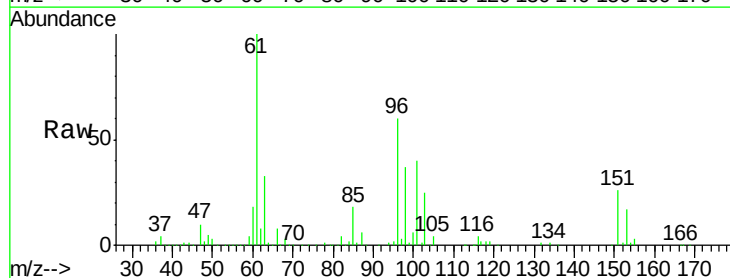
MMDadoda
 9/9/2019 8:57:42 AM

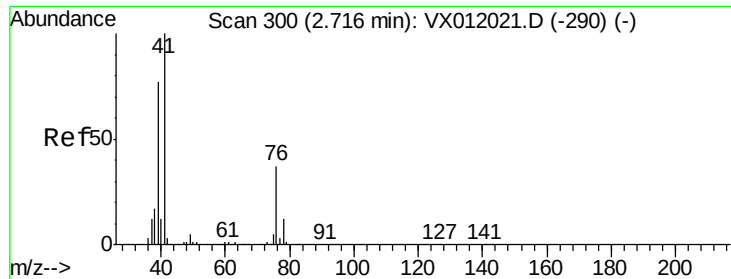


#12

1,1-Dichloroethene
 Concen: 51.989 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	96	Resp	50922
Ion Ratio	100	Lower	Upper
61	167.7	124.1	186.1
98	61.9	50.2	75.2





#14

Allvl chloride

Concen: 56.676 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

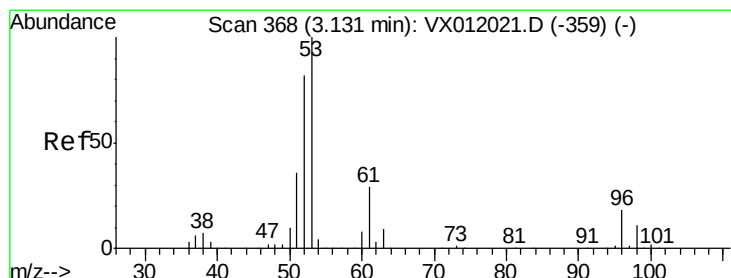
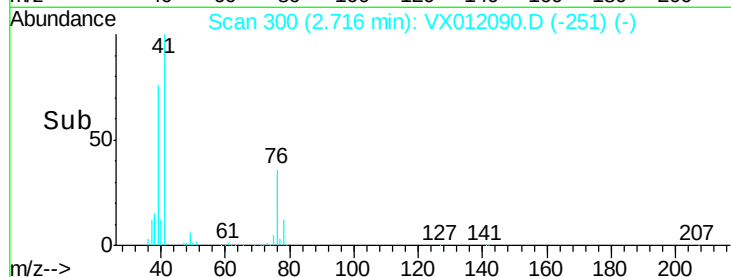
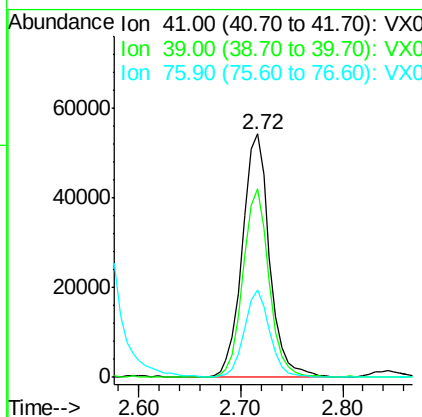
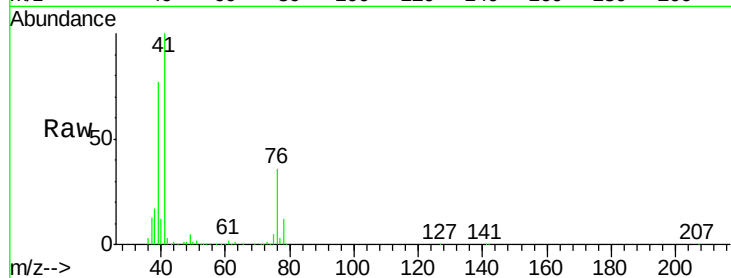
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	100449
Ion	Ratio	Lower	Upper
41	100		
39	73.5	57.9	86.9
76	33.7	28.5	42.7

Manual Integrations
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MMDadoda
9/9/2019 8:57:42 AM



#15

Acrylonitrile

Concen: 304.797 ug/l

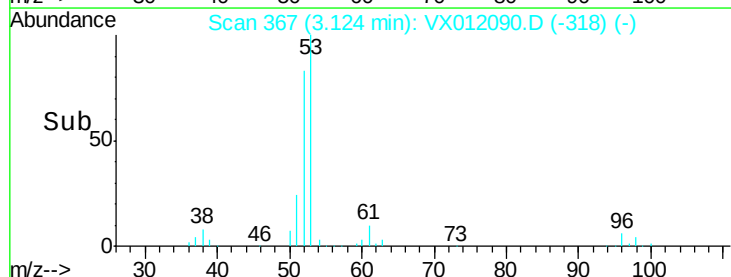
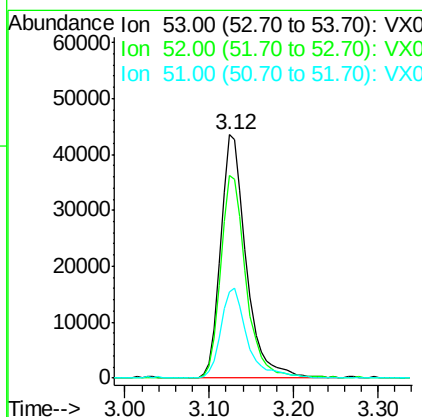
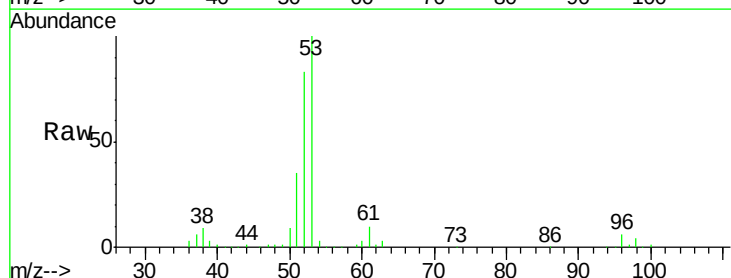
RT: 3.12 min Scan# 367

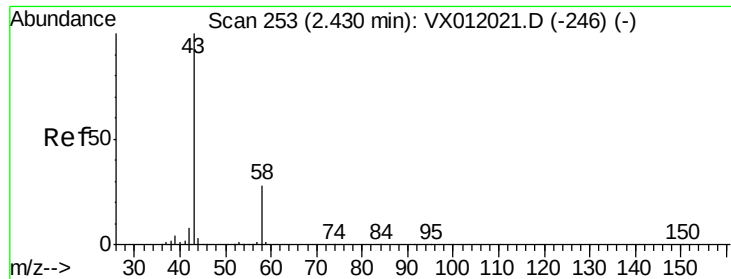
Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	53	Resp:	90860
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	38.5	29.8	44.6





#16

Acetone

Concen: 242.747 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tot Ion: 43 Resp: 79635

Ion Ratio Lower Upper

43 100

58 28.4 22.8 34.2

Instrument :

MSVOA_X

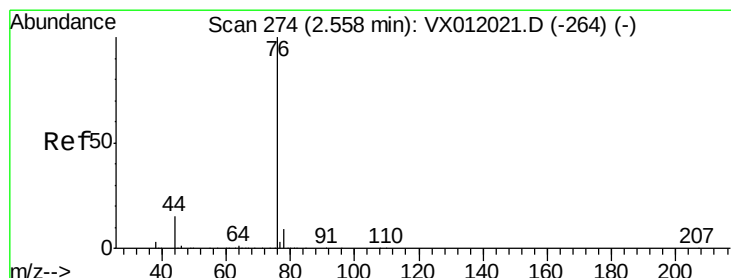
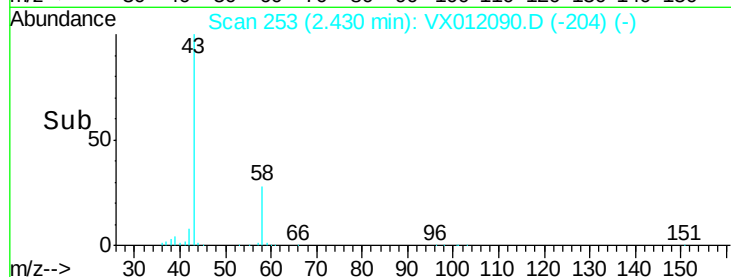
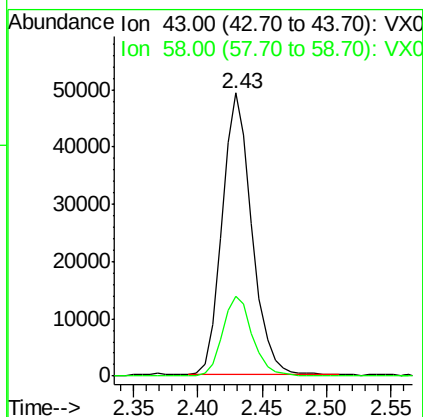
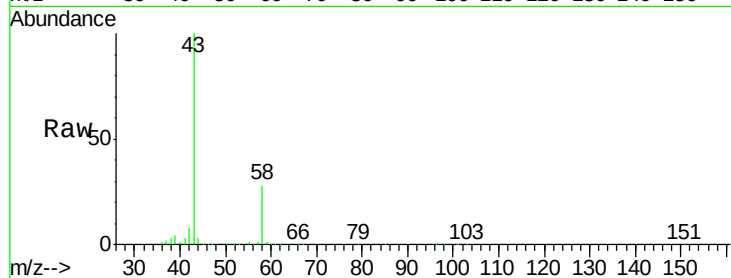
ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#17

Carbon Disulfide

Concen: 55.768 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012090.D

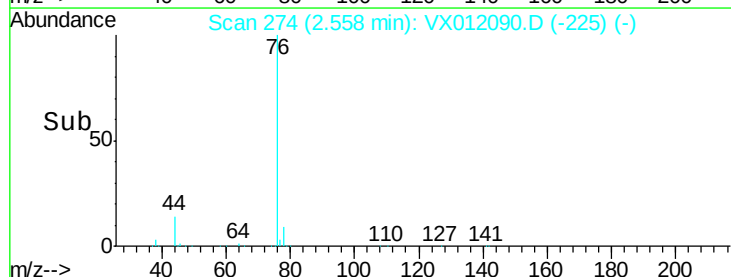
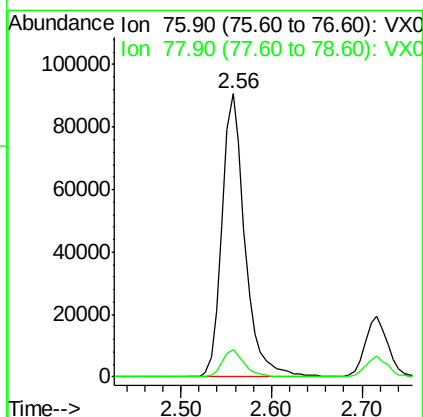
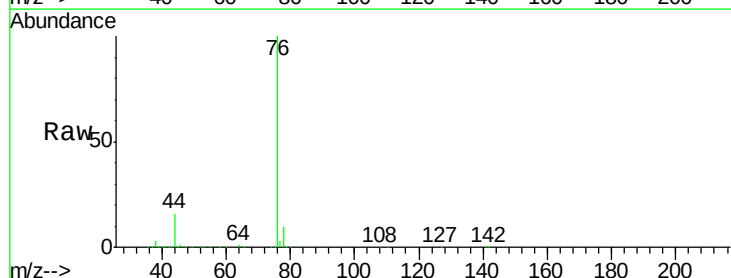
Acq: 05 Sep 2019 09:52

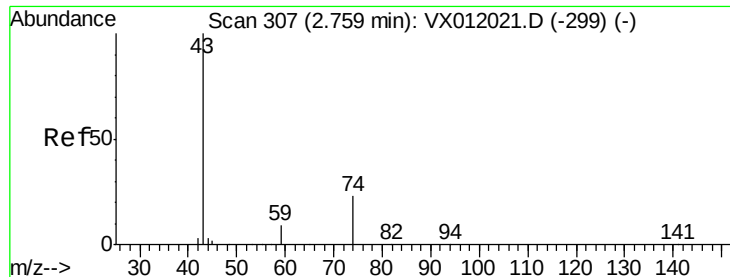
Tgt Ion: 76 Resp: 159639

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2





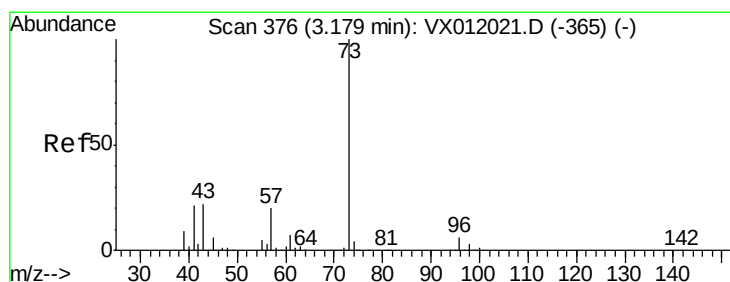
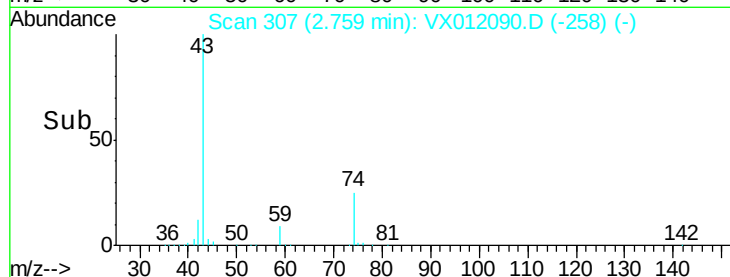
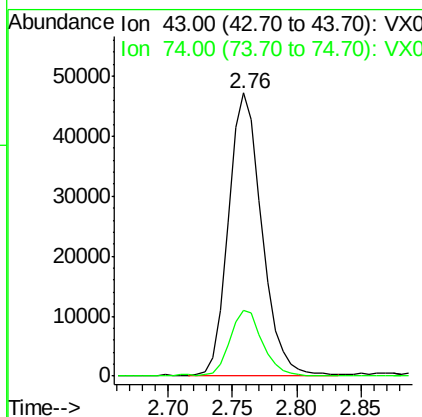
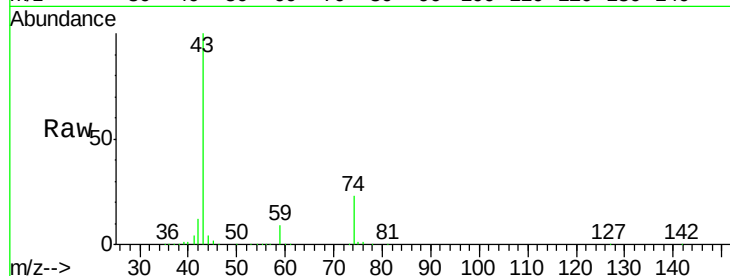
#18
Methvl Acetate
Concen: 109.980 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	84994
Ion Ratio	100	Lower	Upper
43	100		
74	23.4	19.5	29.3

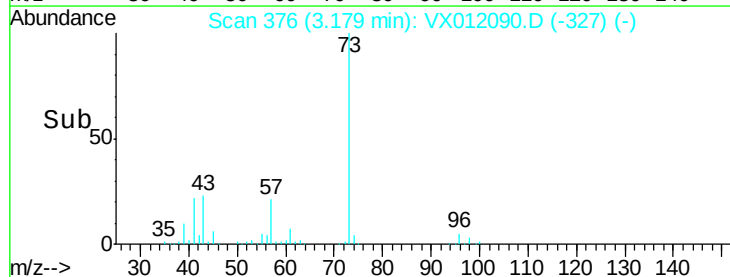
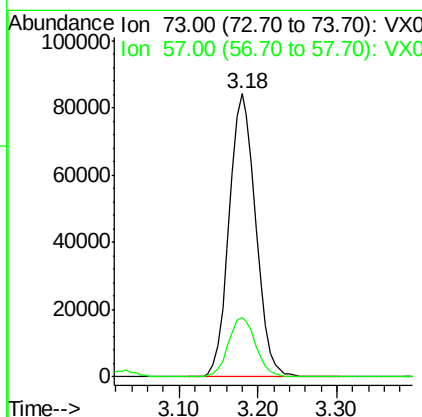
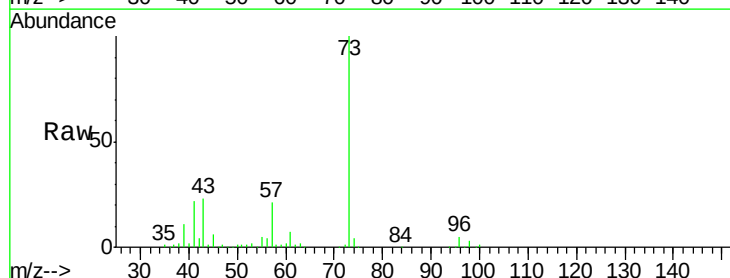
Manual Integrations
APPROVED

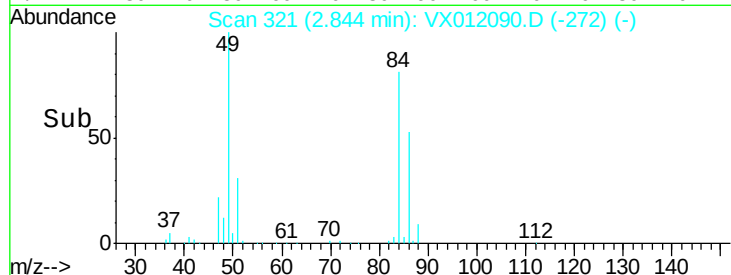
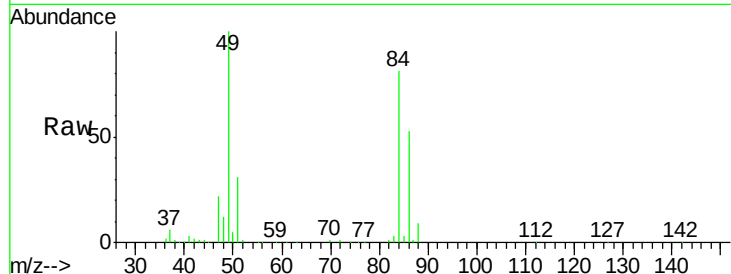
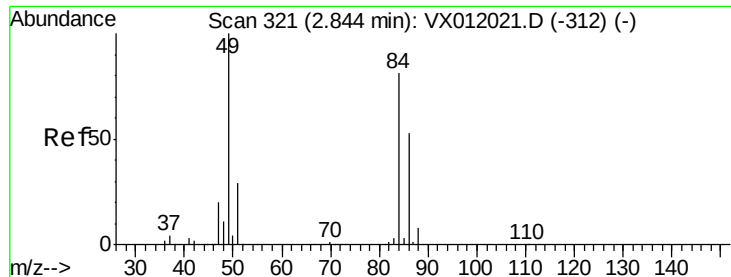
MMDadoda
9/9/2019 8:57:42 AM



#19
Methyl tert-butyl Ether
Concen: 61.865 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

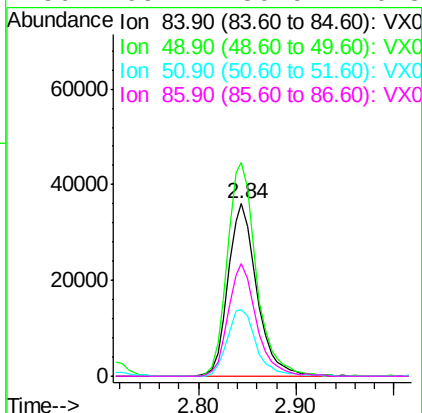
Tgt Ion	73	Resp	197274
Ion Ratio	100	Lower	Upper
73	100		
57	21.0	16.6	25.0





#20
Methylene Chloride
Concen: 55.768 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

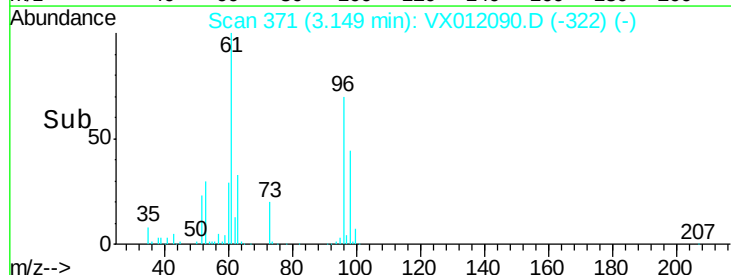
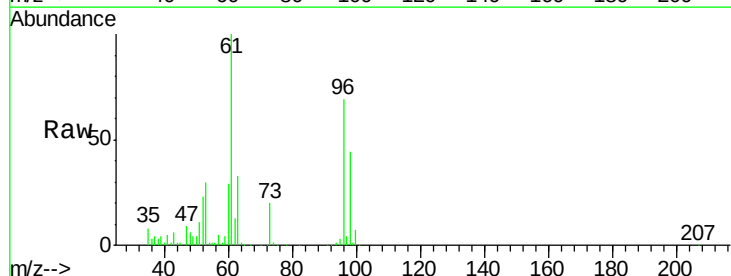
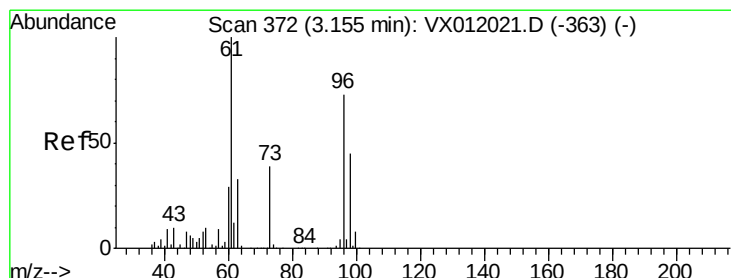
Tot Ion:	84	Resp:	73467
Ion	Ratio	Lower	Upper
84	100		
49	123.6	95.8	143.8
51	38.2	28.6	43.0
86	65.4	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

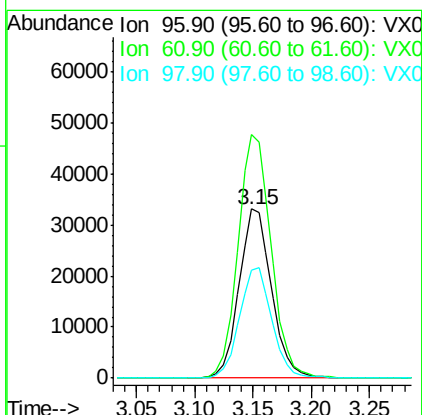
Manual Integrations
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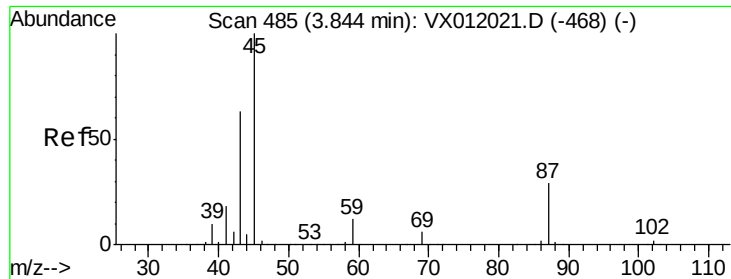
MMDadoda
9/9/2019 8:57:42 AM



#21
trans-1,2-Dichloroethene
Concen: 56.268 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion:	96	Resp:	64675
Ion	Ratio	Lower	Upper
96	100		
61	143.7	107.0	160.6
98	63.8	49.8	74.6





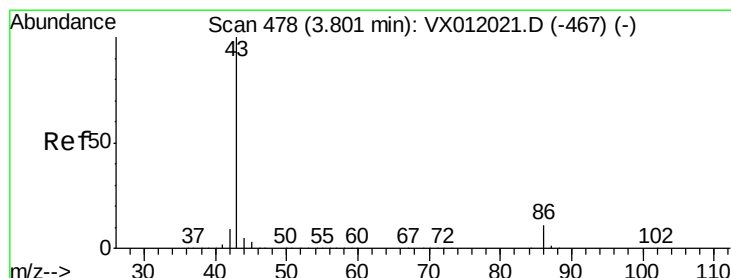
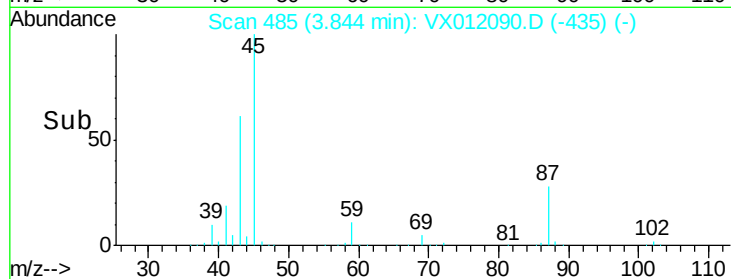
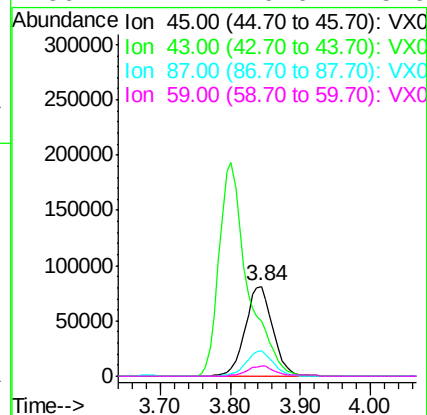
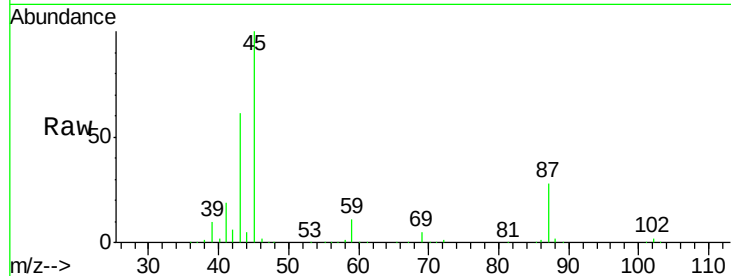
#22
Diisopropyl ether
Concen: 61.426 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.01 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	60.5	54.2	81.4	
87	28.0	23.4	35.0	
59	11.1	9.0	13.6	

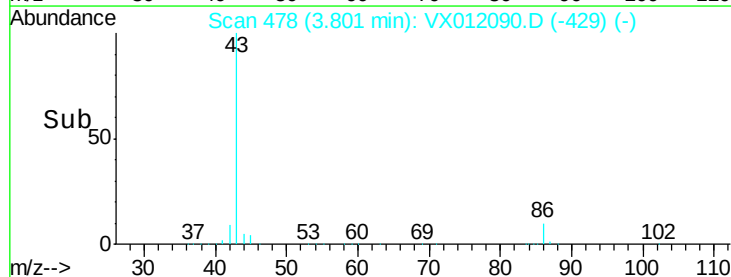
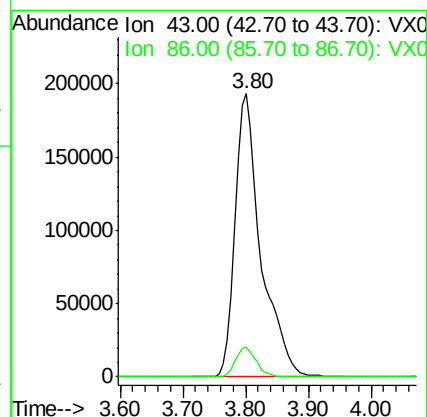
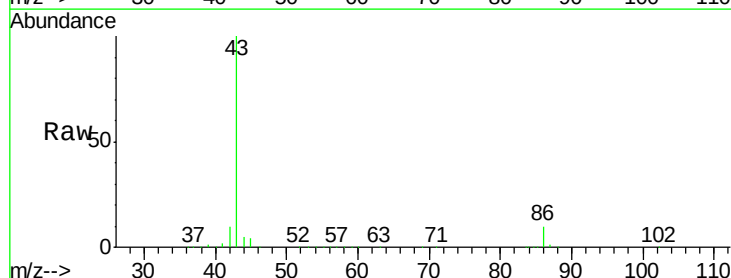
Manual Integrations
APPROVED

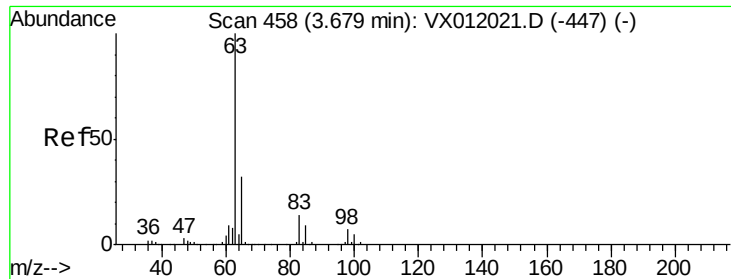
MMDadoda
9/9/2019 8:57:42 AM



#23
Vinyl Acetate
Concen: 234.804 ug/l
RT: 3.80 min Scan# 478
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	10.5	9.0	13.6	





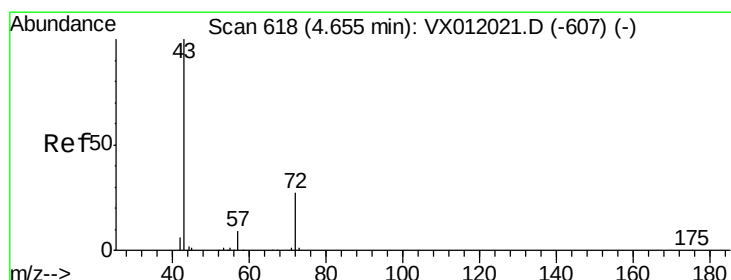
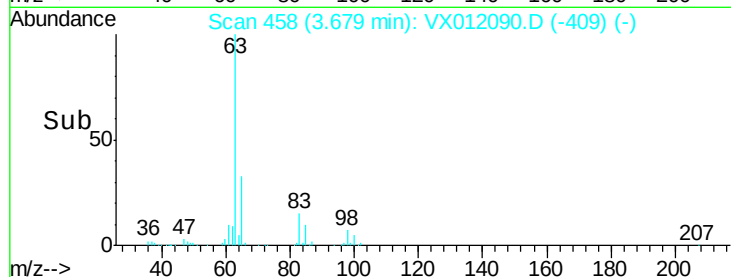
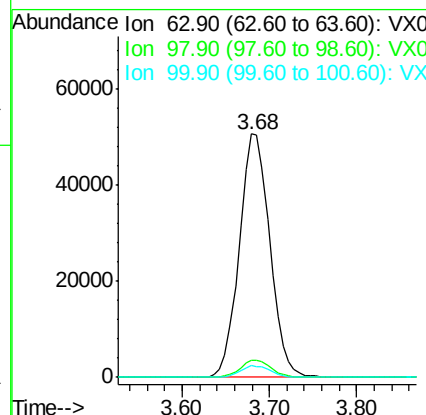
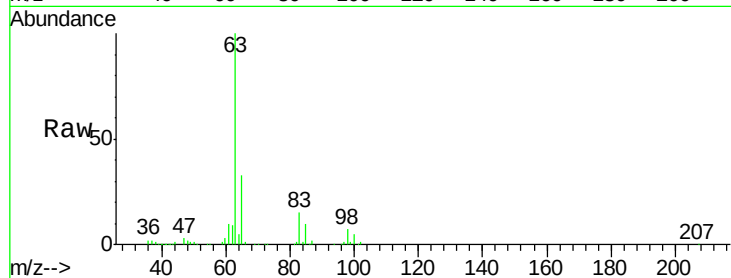
#24
 1,1-Dichloroethane
 Concen: 58.867 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	123335		
98	7.0		3.9	11.7
100	5.1		2.5	7.4

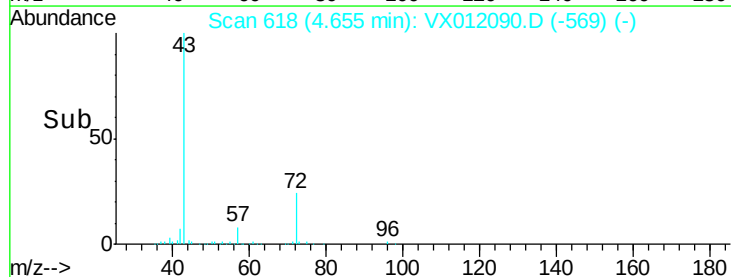
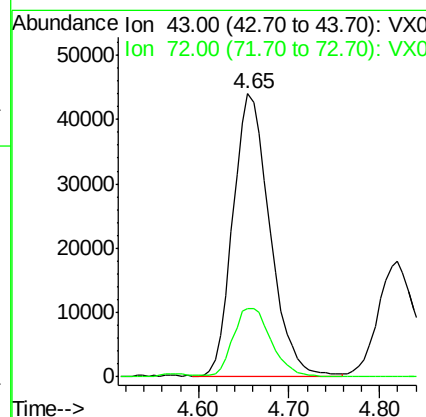
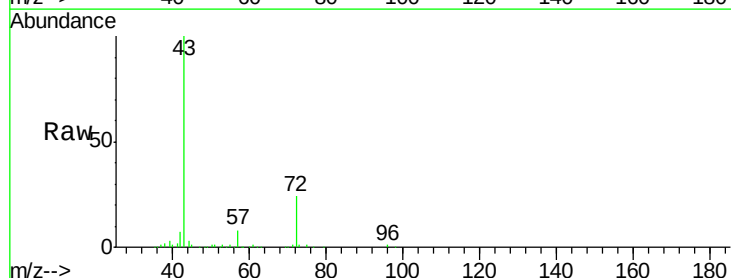
Manual Integrations
 APPROVED

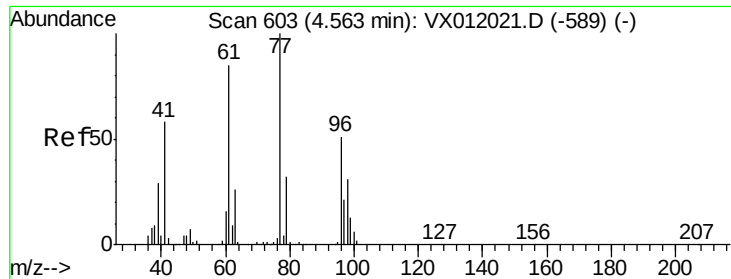
MMDadoda
 9/9/2019 8:57:42 AM



#25
 2-Butanone
 Concen: 294.950 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	123169		
72	23.8		21.3	31.9





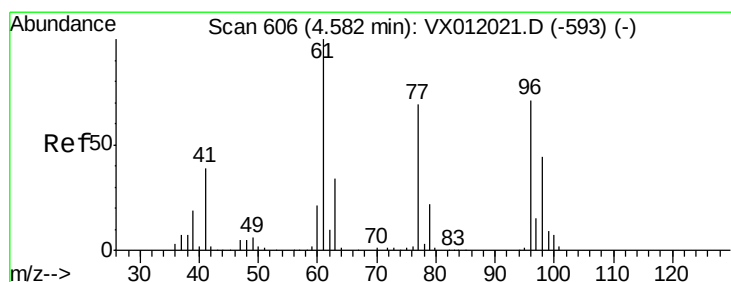
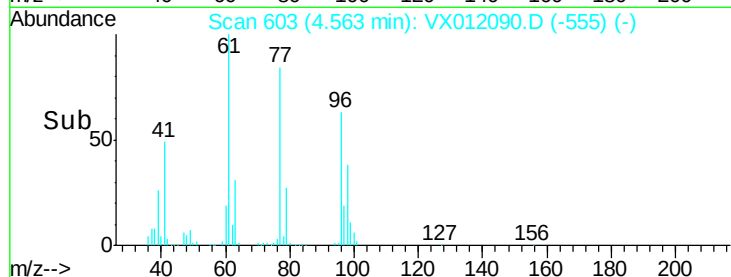
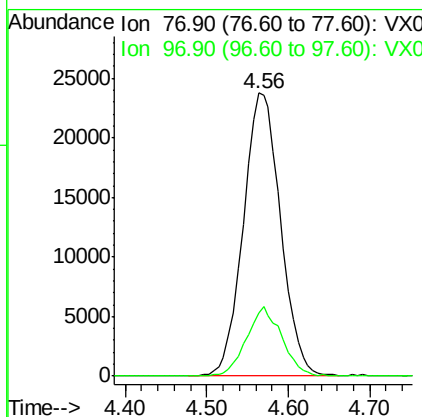
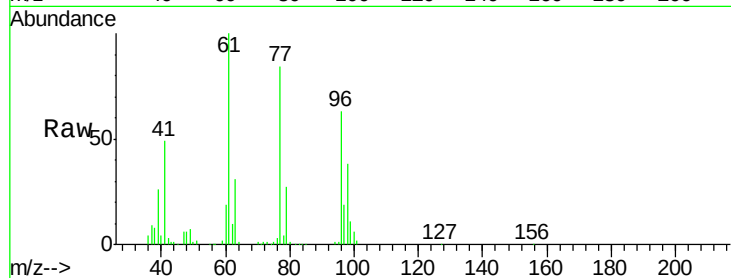
#26
 2,2-Dichloropropane
 Concen: 39.013 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 77 Resp: 75465
 Ion Ratio Lower Upper
 77 100
 97 23.2 11.5 34.5

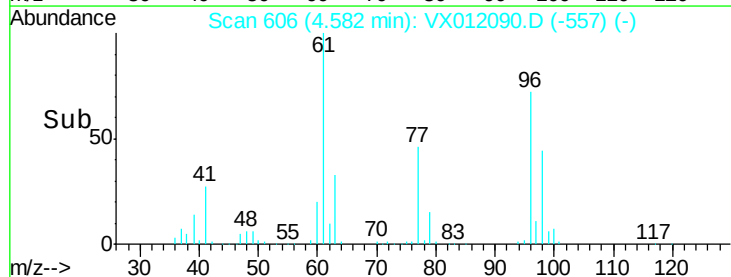
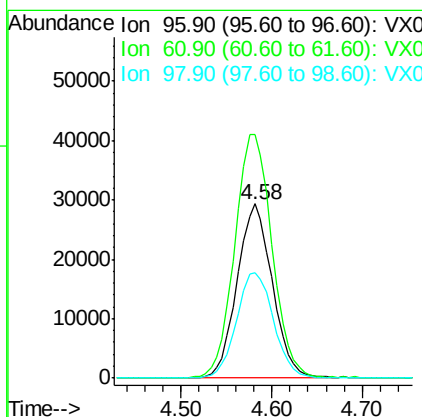
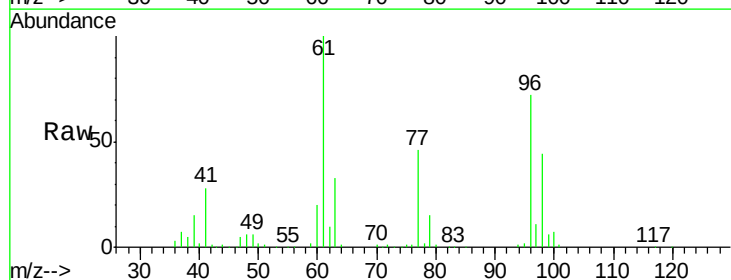
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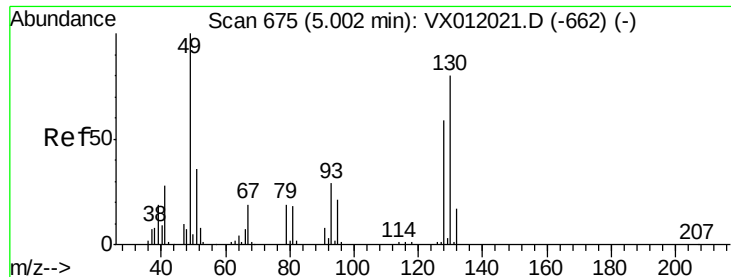
MMDadoda
 9/9/2019 8:57:42 AM



#27
 cis-1,2-Dichloroethene
 Concen: 58.633 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion: 96 Resp: 78998
 Ion Ratio Lower Upper
 96 100
 61 148.7 0.0 277.0
 98 63.7 0.0 128.4





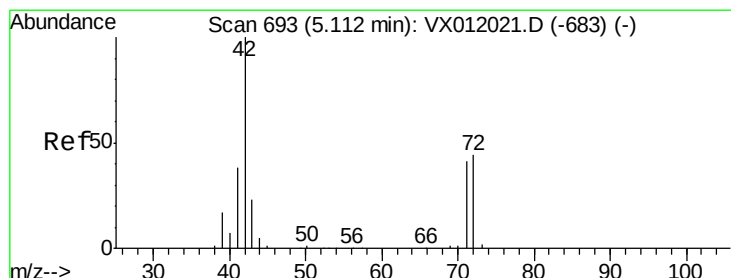
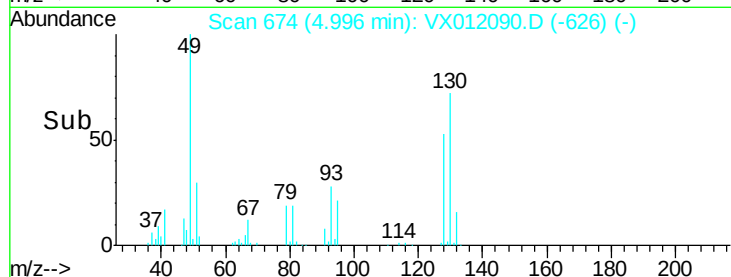
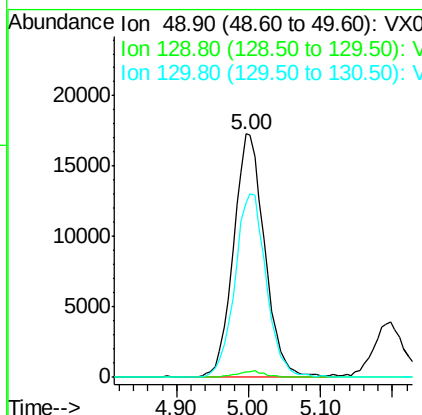
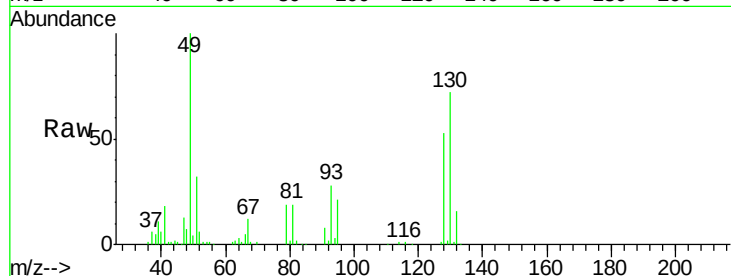
#28
Bromochloromethane
Concen: 62.262 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 49 Resp: 52072
Ion Ratio Lower Upper
49 100
129 2.3 0.0 5.6
130 75.4 76.7 115.1#

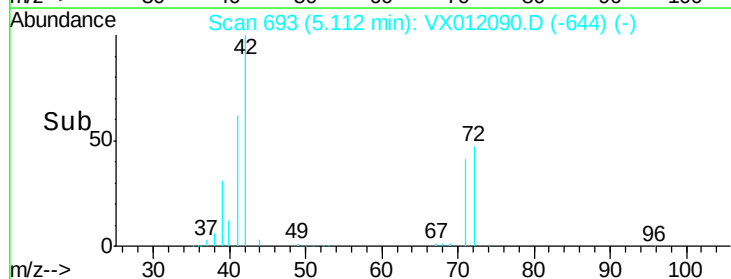
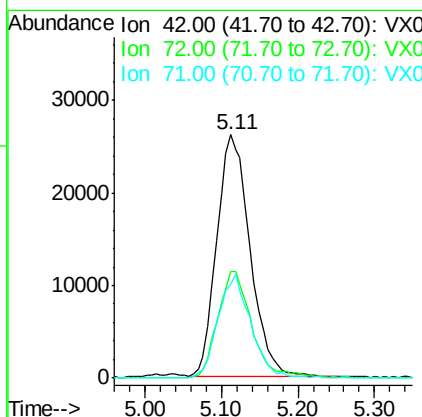
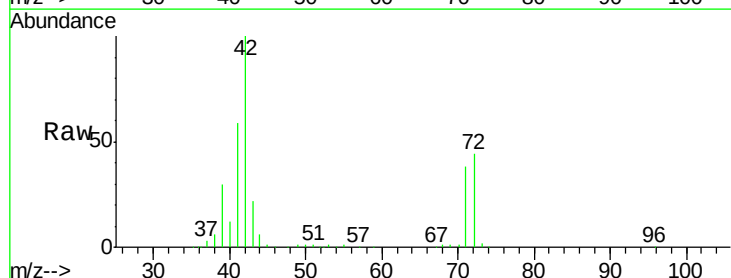
Manual Integrations
APPROVED

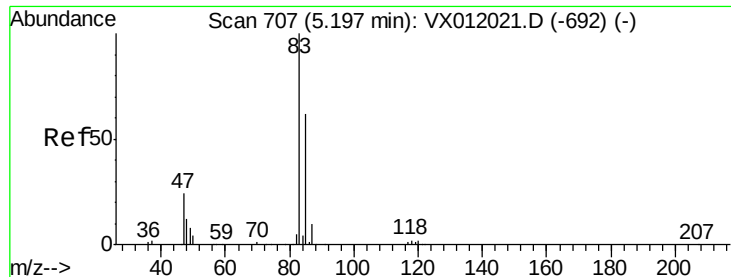
MMDadoda
9/9/2019 8:57:42 AM



#29
Tetrahydrofuran
Concen: 312.660 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion: 42 Resp: 78665
Ion Ratio Lower Upper
42 100
72 45.5 37.0 55.4
71 42.2 33.8 50.8





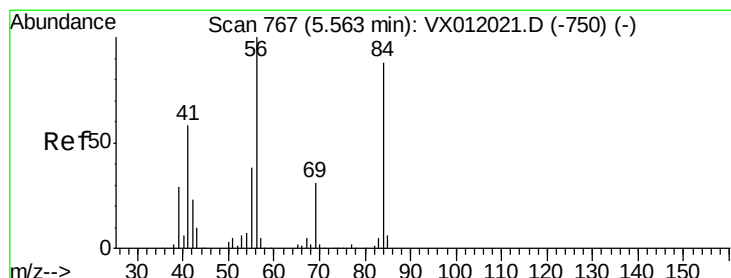
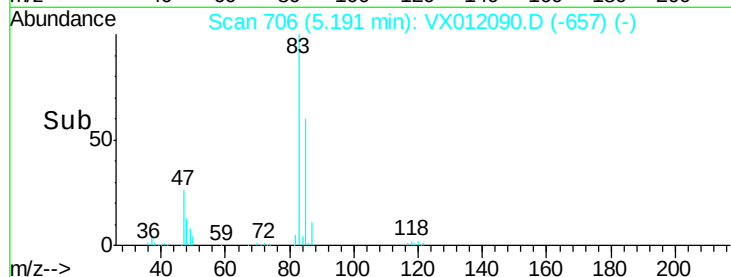
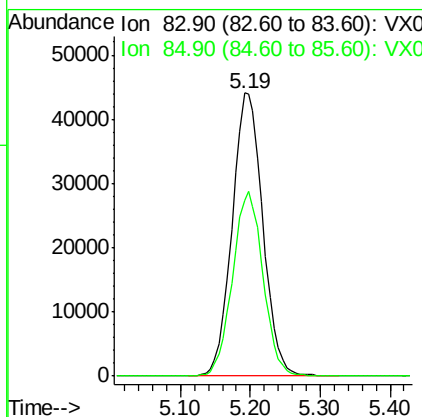
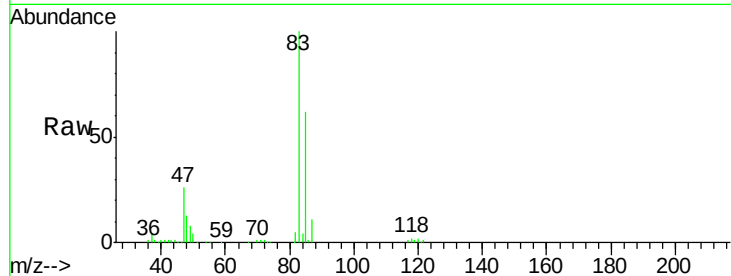
#30
Chloroform
Concen: 59.529 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	133829
Ion Ratio	100	Lower	Upper
85	62.0	52.6	78.8

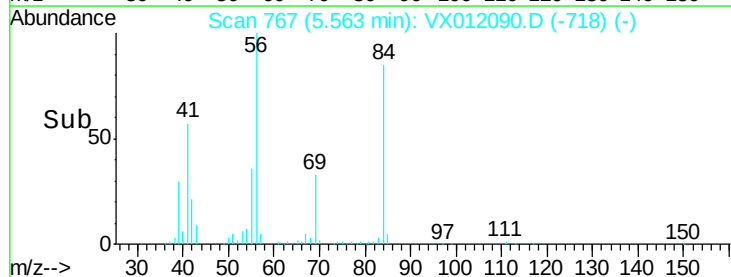
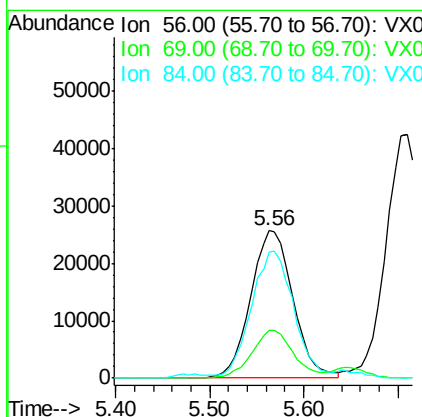
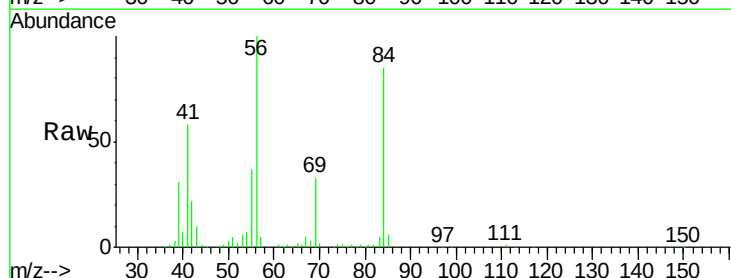
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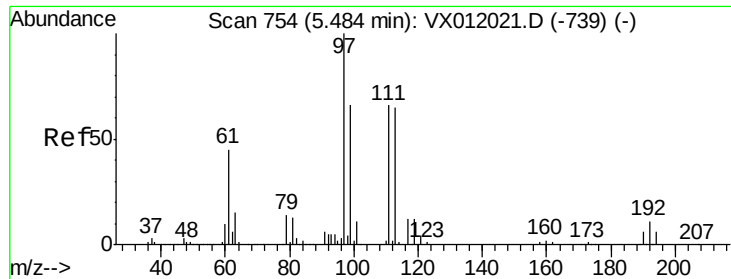
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#31
Cyclohexane
Concen: 48.140 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	56	Resp	81005
Ion Ratio	100	Lower	Upper
69	32.5	25.7	38.5
84	82.9	70.3	105.5





#32

1,1,1-Trichloroethane

Concen: 56.111 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

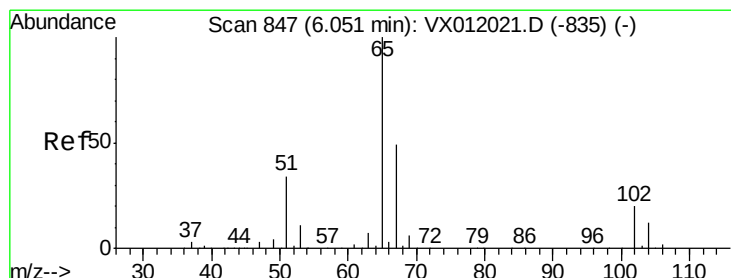
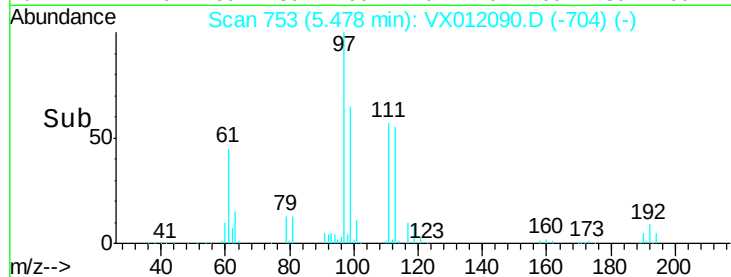
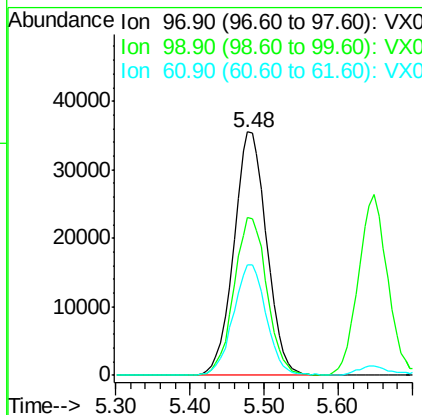
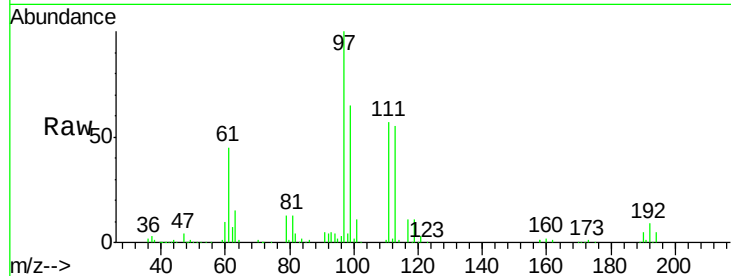
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	109865
Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.1	78.1
61	45.8	32.8	49.2

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#33

1,2-Dichloroethane-d4

Concen: 57.320 ug/l

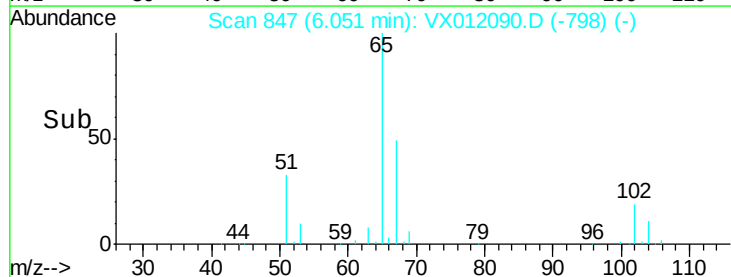
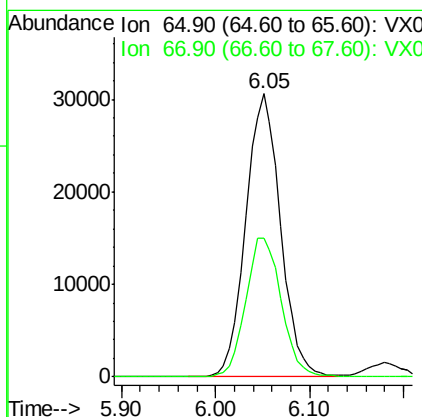
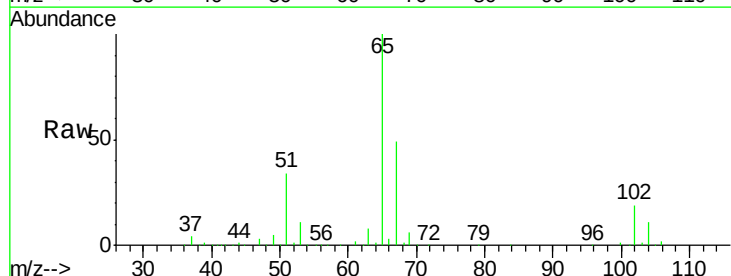
RT: 6.05 min Scan# 847

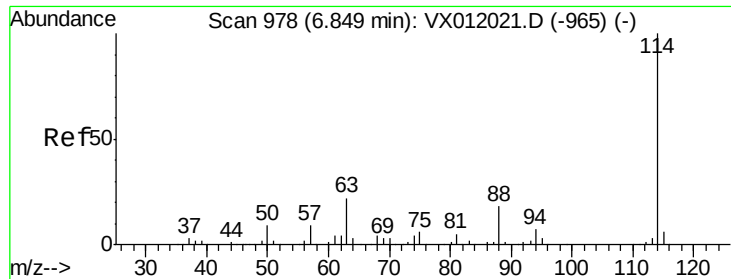
Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	65	Resp:	78672
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.0





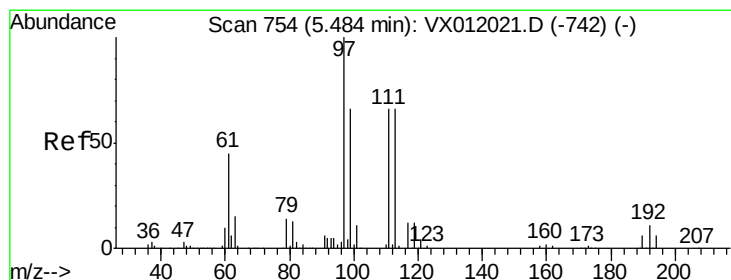
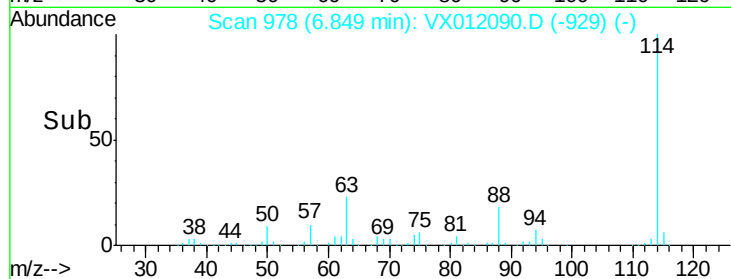
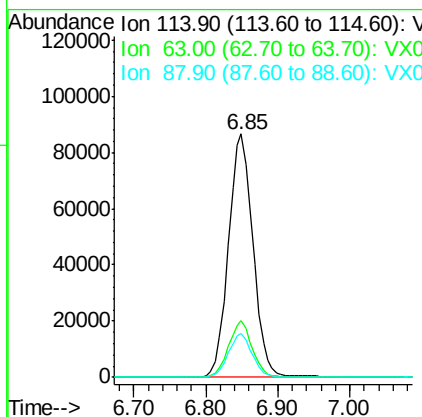
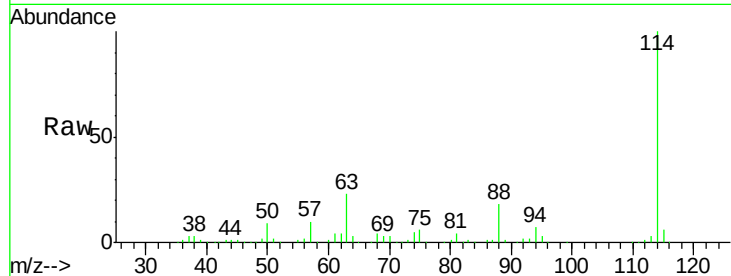
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
114	100	205314		
63	23.3	0.0	37.4	
88	17.8	0.0	29.6	

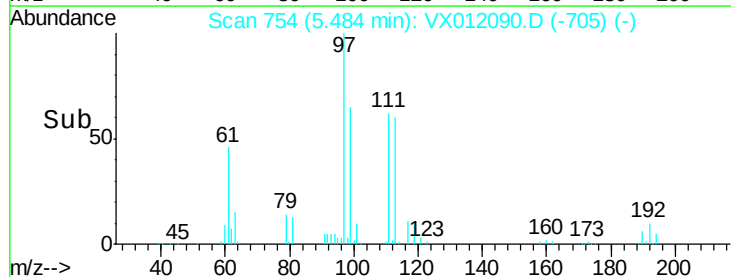
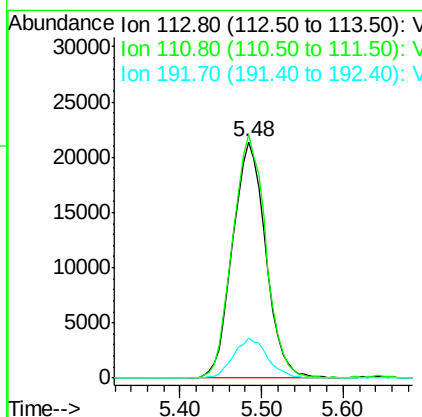
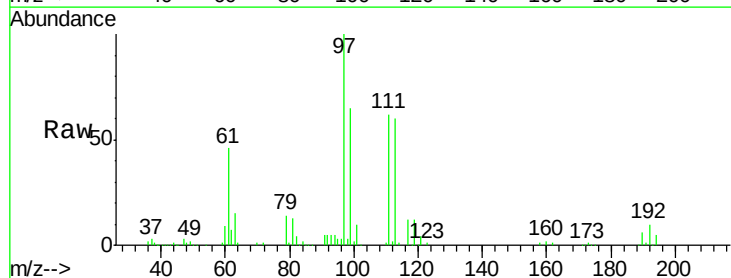
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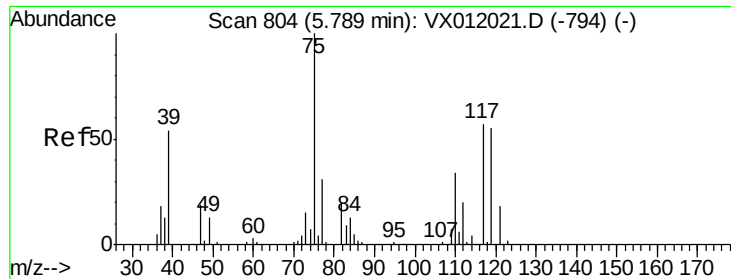
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#35
 Dibromofluoromethane
 Concen: 47.644 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	60157		
111	103.5	81.7	122.5	
192	17.2	22.5	33.7#	





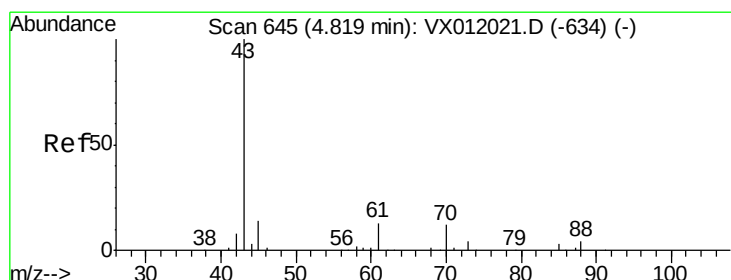
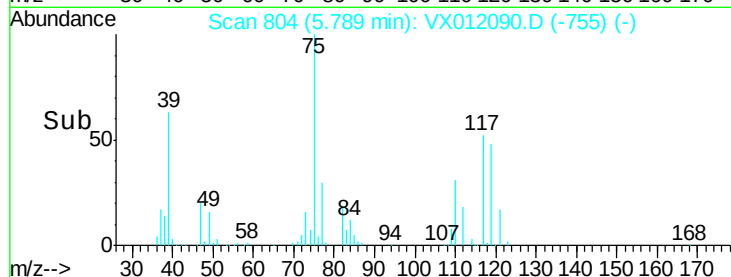
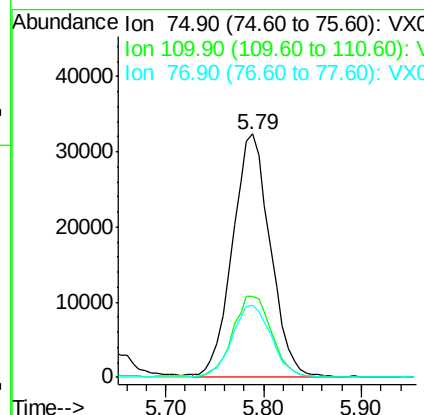
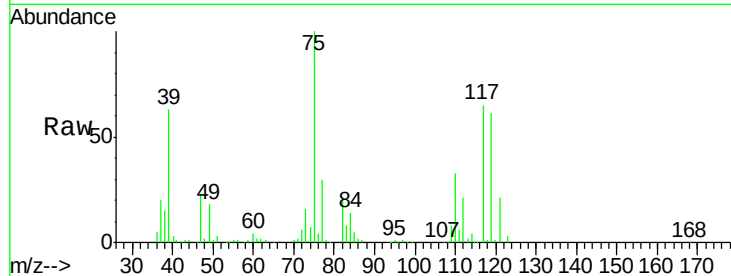
#36
 1,1-Dichloropropene
 Concen: 47.556 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.8	19.5	58.5
77	31.4	24.6	37.0

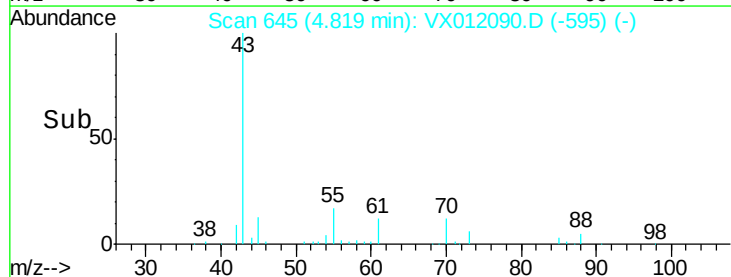
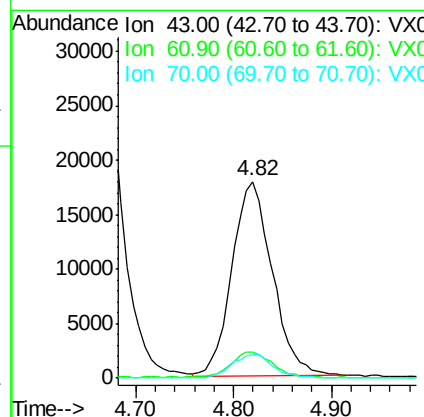
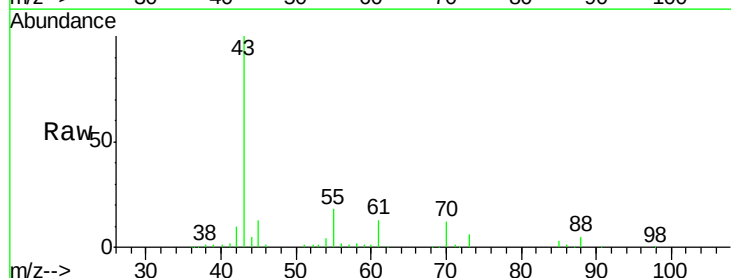
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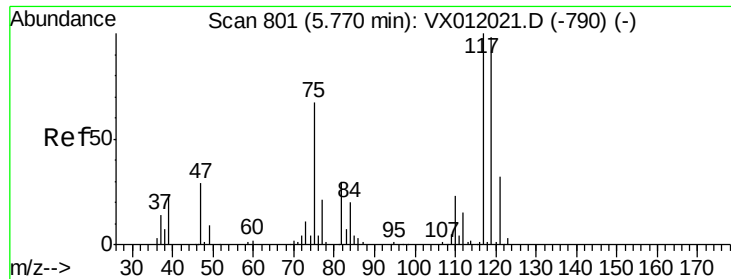
MMDadoda
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#37
 Ethyl Acetate
 Concen: 51.916 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	12.3	9.4	14.0





#38

Carbon Tetrachloride

Concen: 47.468 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

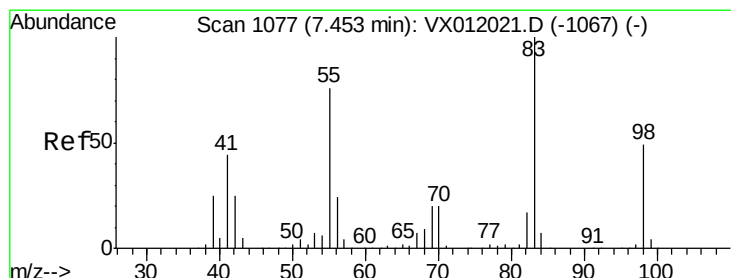
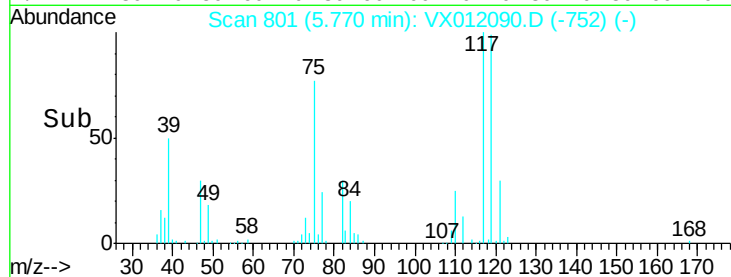
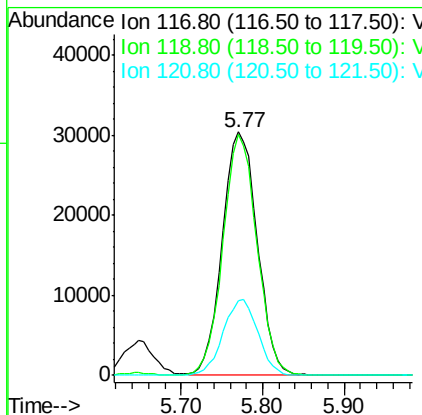
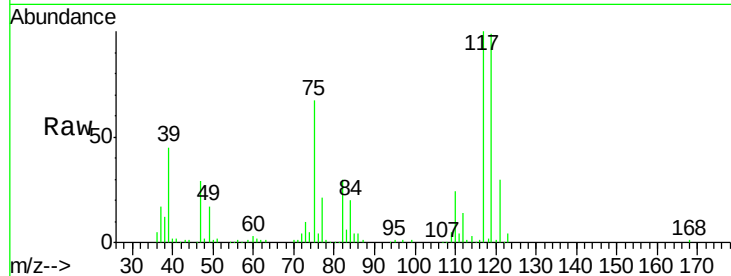
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	90448
Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.3	117.5
121	30.5	24.2	36.2

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#39

Methylcyclohexane

Concen: 41.499 ug/l

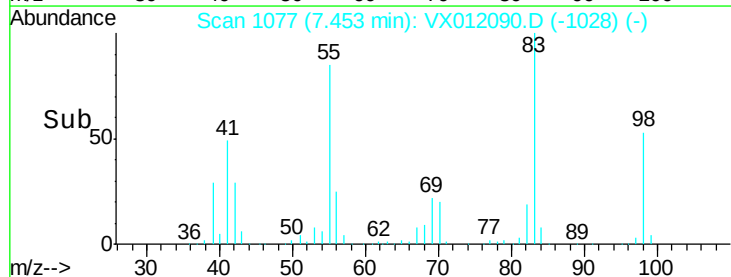
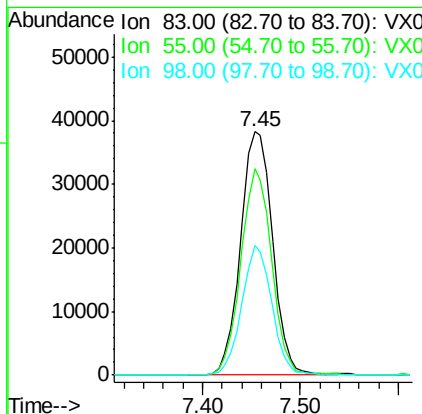
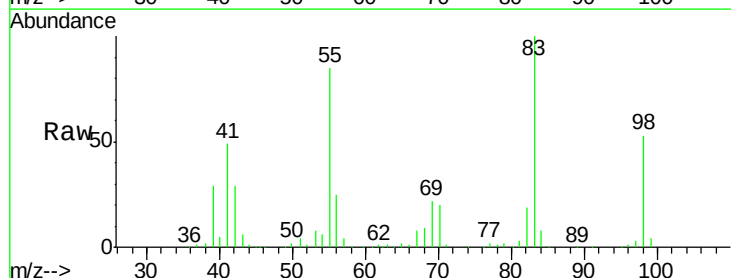
RT: 7.45 min Scan# 1077

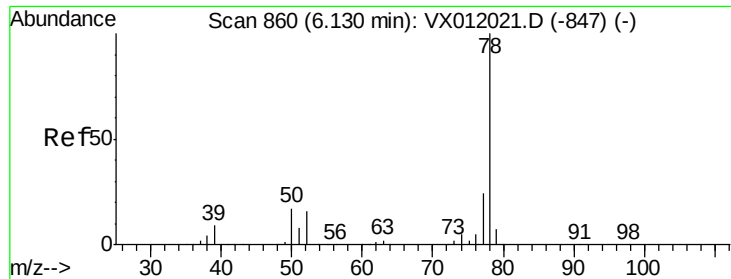
Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	83	Resp:	87096
Ion	Ratio	Lower	Upper
83	100		
55	84.8	59.6	89.4
98	53.2	41.4	62.0





#40

Benzene

Concen: 52.554 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 78 Resp: 272823

Ion Ratio Lower Upper

78 100

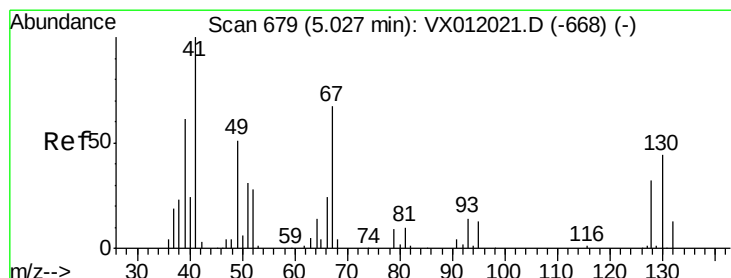
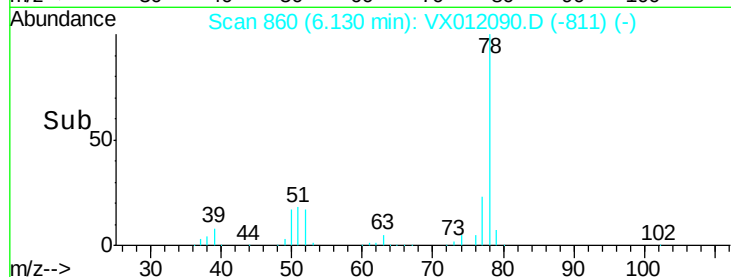
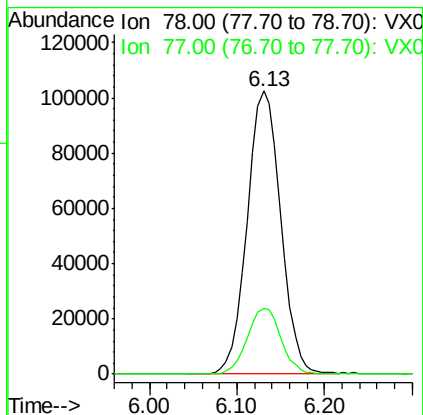
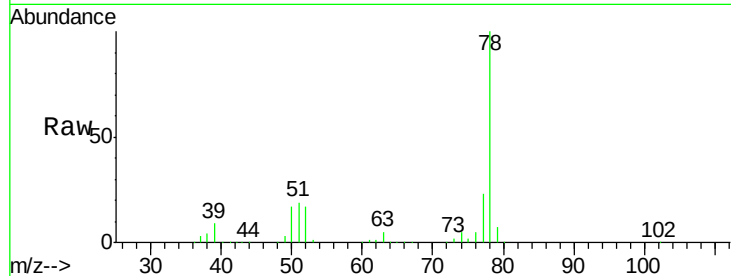
77 23.3 19.3 28.9

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#41

Methacrylonitrile

Concen: 56.457 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion: 41 Resp: 33107

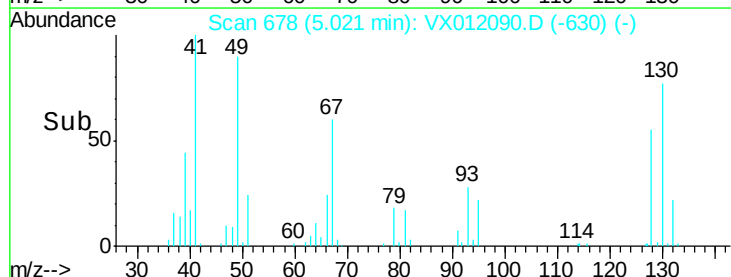
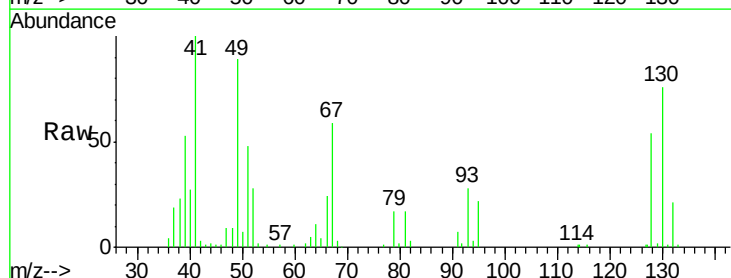
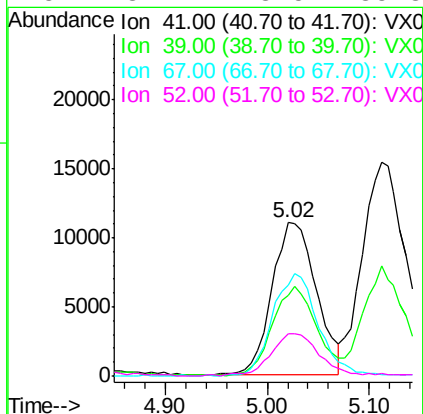
Ion Ratio Lower Upper

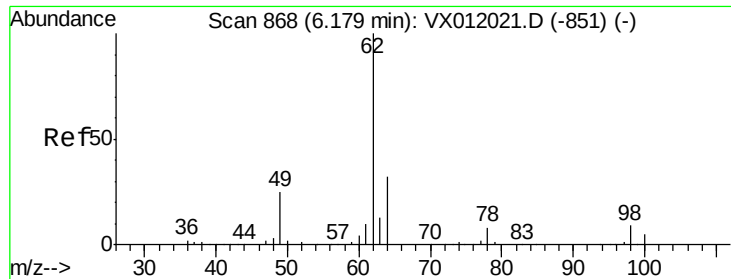
41 100

39 58.6 46.7 70.1

67 70.2 57.0 85.6

52 31.2 23.5 35.3





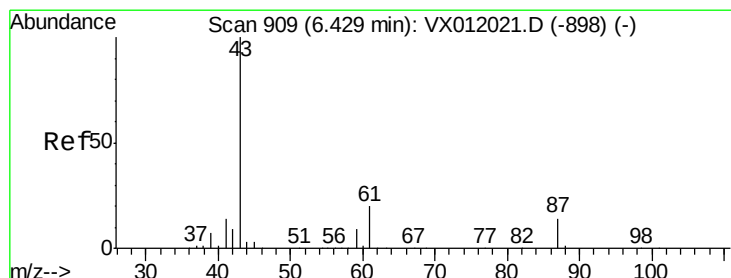
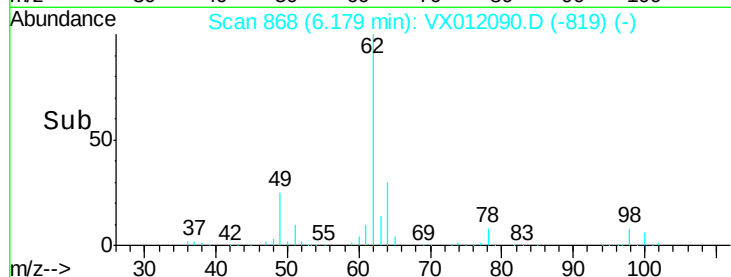
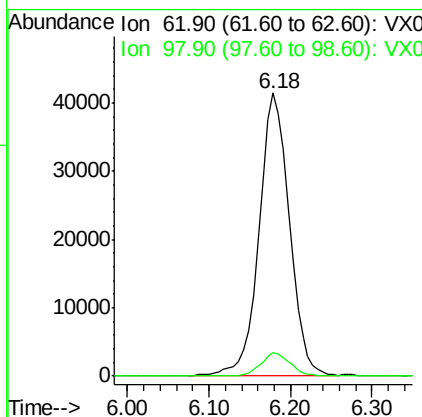
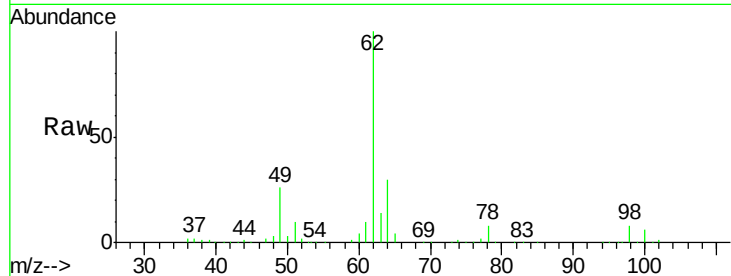
#42
 1,2-Dichloroethane
 Concen: 57.797 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	19.2

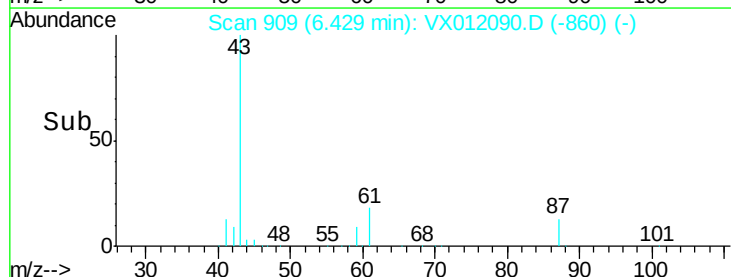
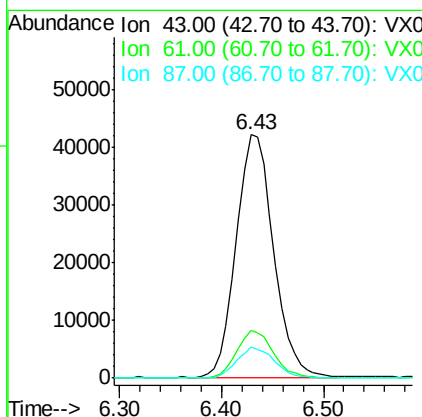
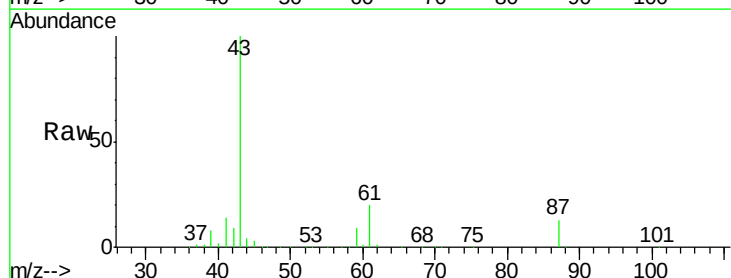
Manual Integrations
 APPROVED

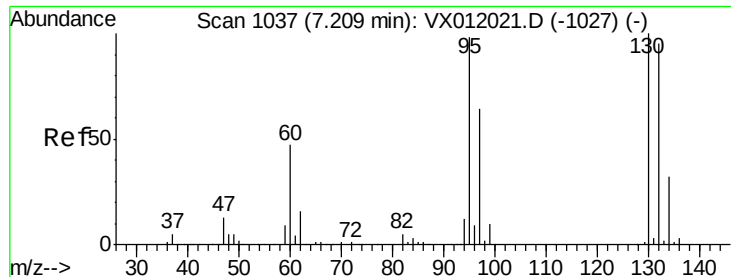
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#43
 Isopropyl Acetate
 Concen: 53.561 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.1	24.1
87	13.0	11.3	16.9





#44

Trichloroethene

Concen: 50.984 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:130 Resp: 71387

Ion Ratio Lower Upper

130 100

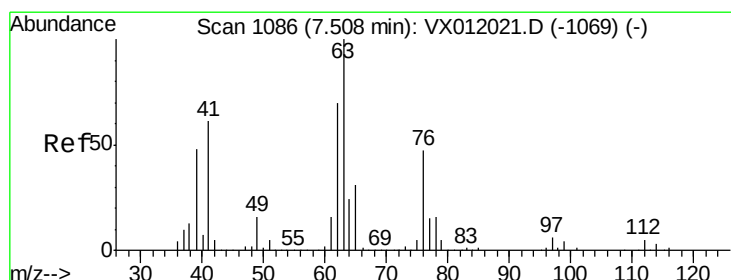
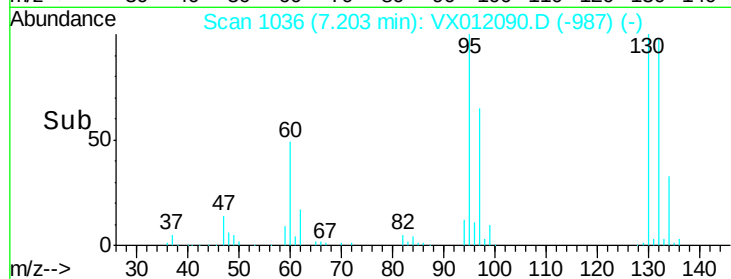
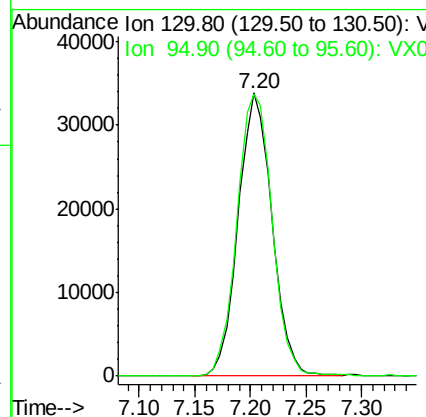
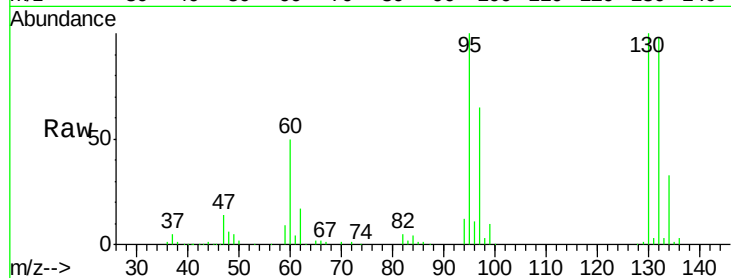
95 99.8 0.0 176.4

Manual Integrations

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#45

1,2-Dichloropropane

Concen: 53.801 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX012090.D

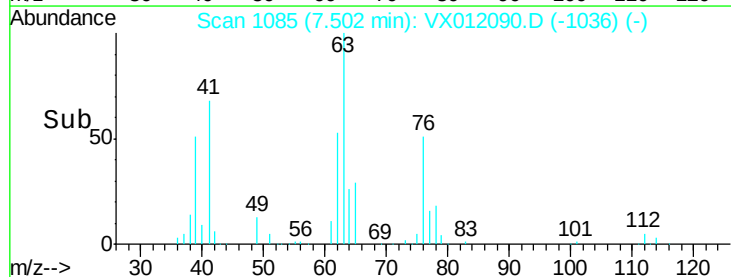
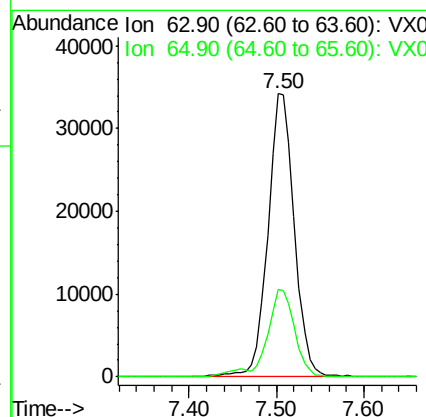
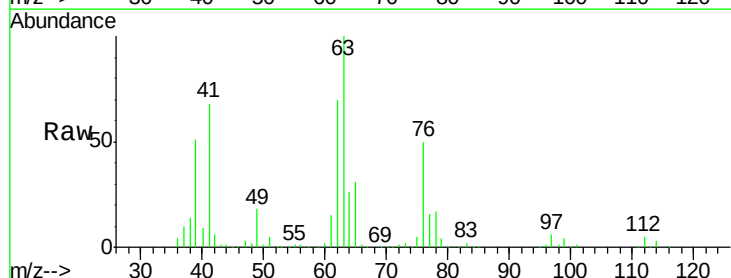
Acq: 05 Sep 2019 09:52

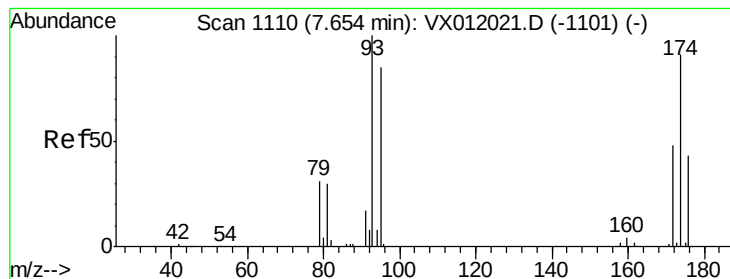
Tgt Ion: 63 Resp: 72160

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.6





#46

Dibromomethane

Concen: 55.867 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

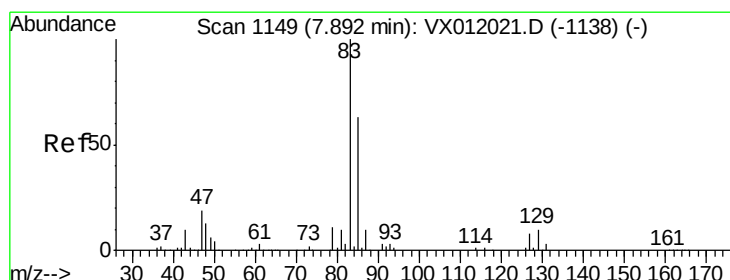
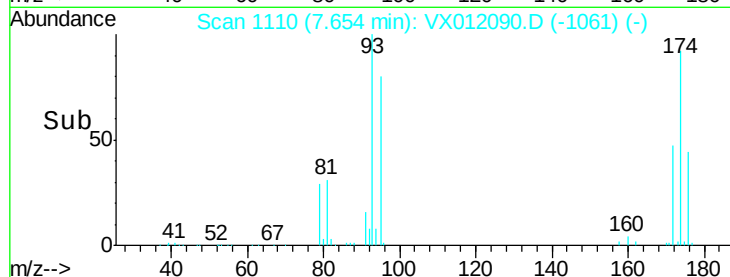
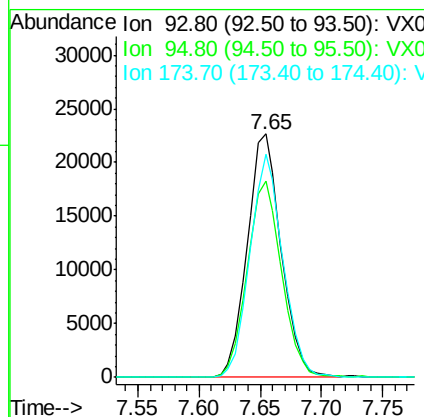
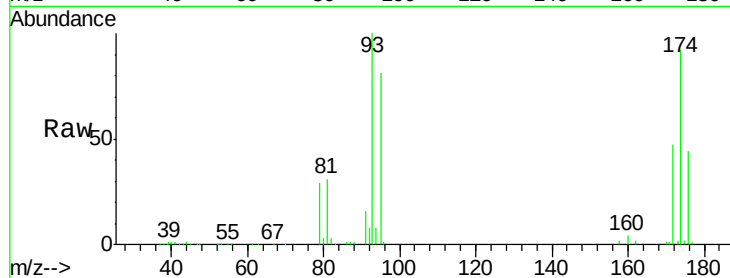
ClientSampleId :

VSTDCCC050EC

Tot Ion:	93	Resp:	43742
Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.2	99.2
174	89.0	110.2	165.4#

Manual Integrations
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#47

Bromodichloromethane

Concen: 54.504 ug/l

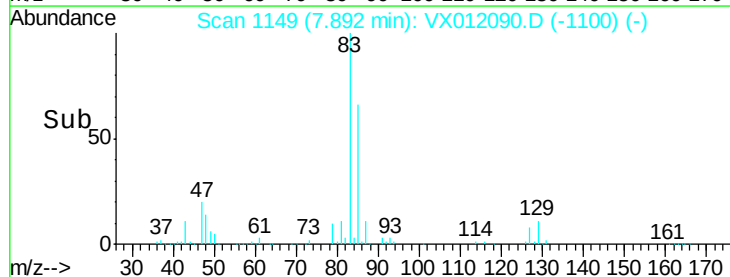
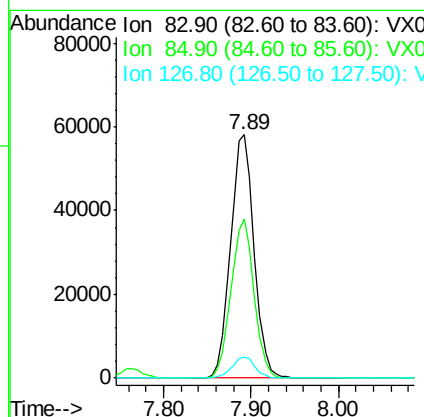
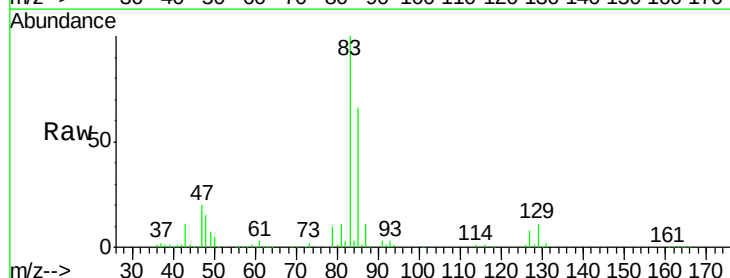
RT: 7.89 min Scan# 1149

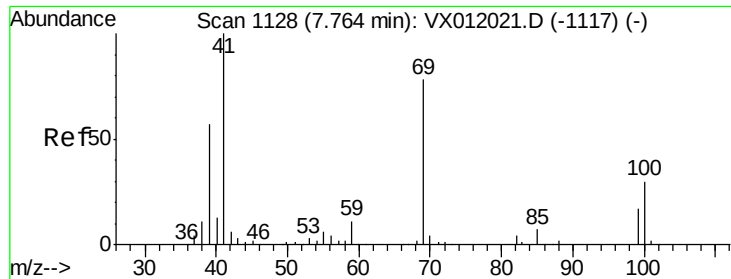
Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	83	Resp:	108472
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.3	75.5
127	8.4	8.1	12.1





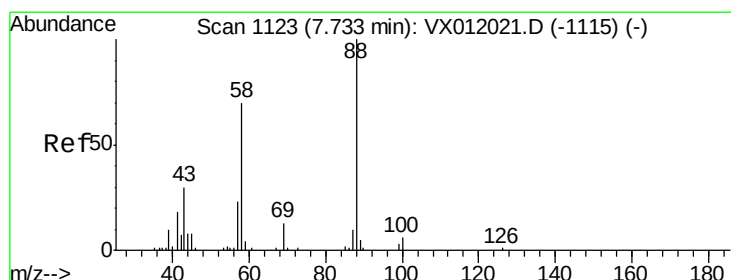
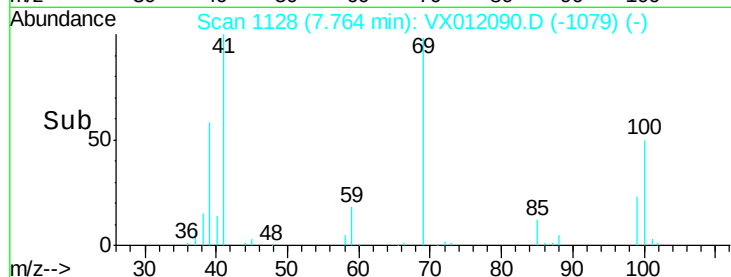
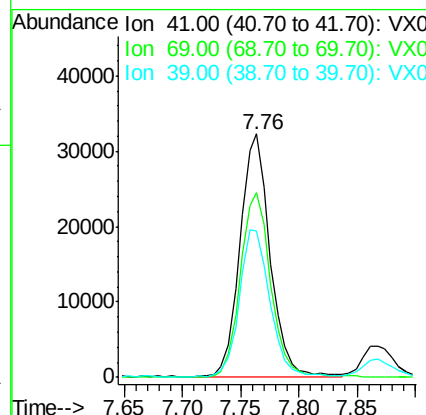
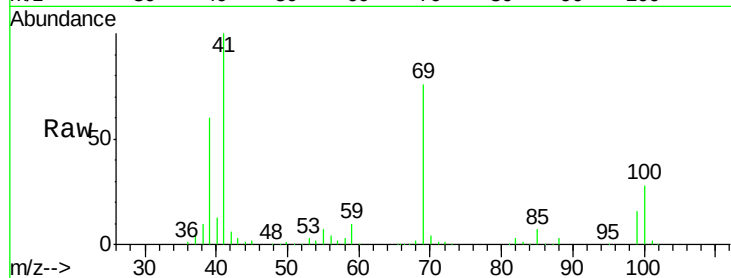
#48
Methvl methacrylate
Concen: 57.619 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
69	77.7	66.3	99.5
39	61.6	48.1	72.1

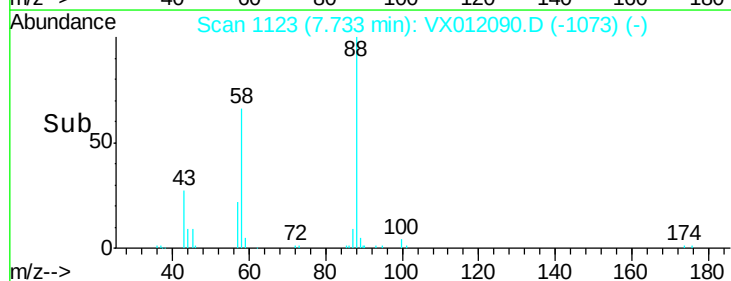
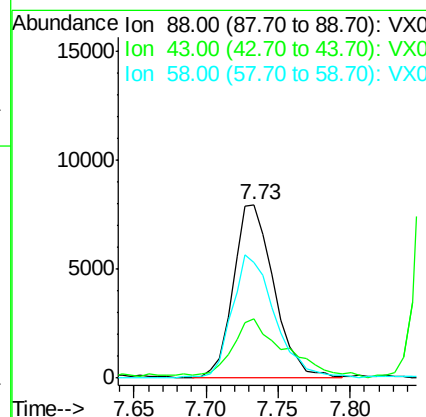
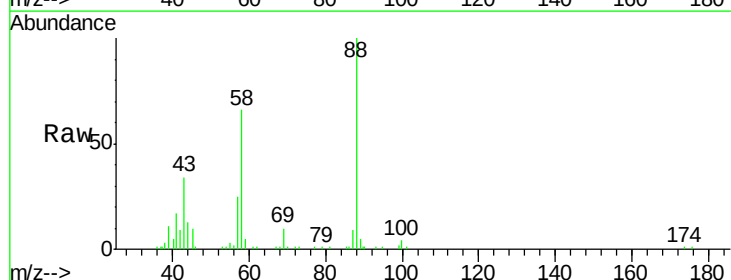
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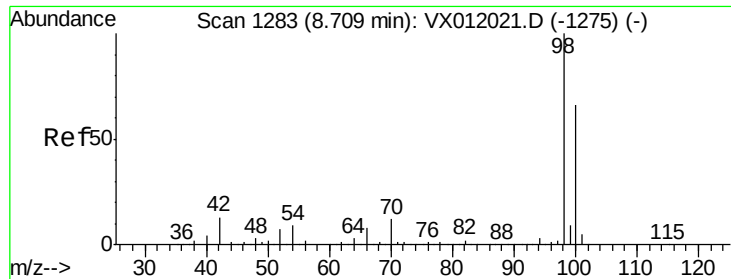
MMDadoda
9/9/2019 8:57:42 AM



#49
1,4-Dioxane
Concen: 1145.791 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
88	100		
43	44.6	29.8	44.6
58	74.7	55.4	83.2





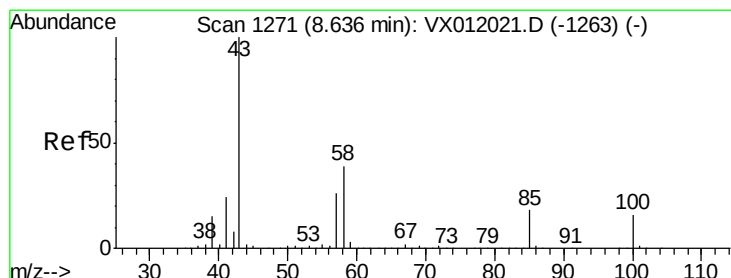
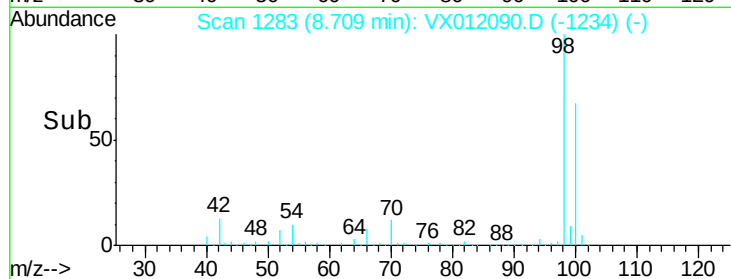
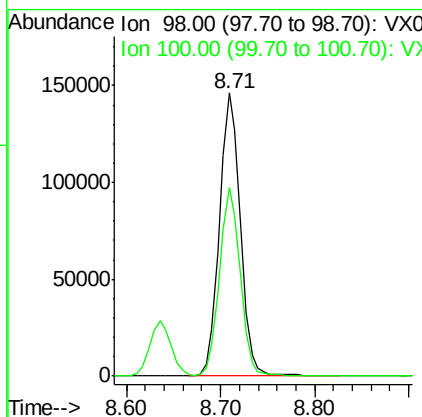
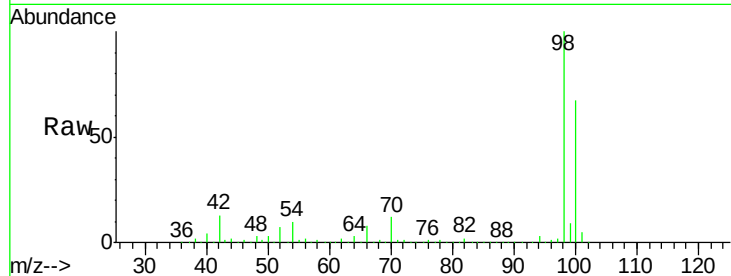
#50
Toluene-d8
Concen: 48.543 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 98 Resp: 224910
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9

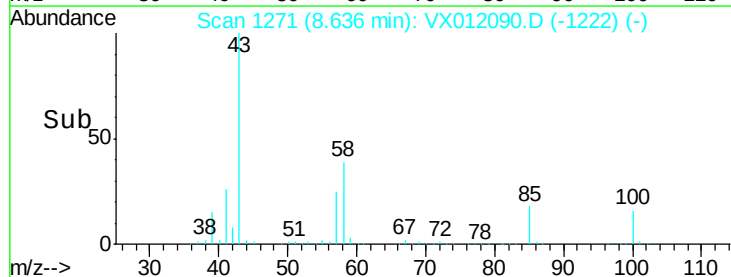
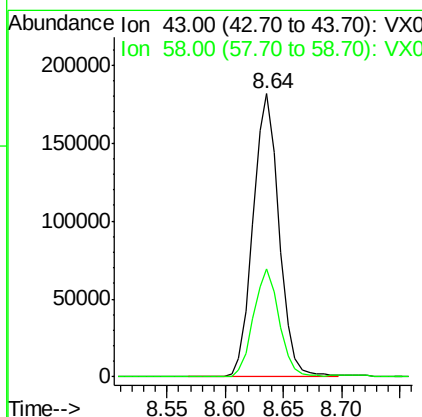
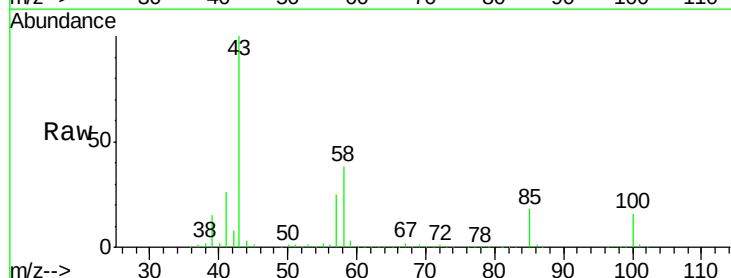
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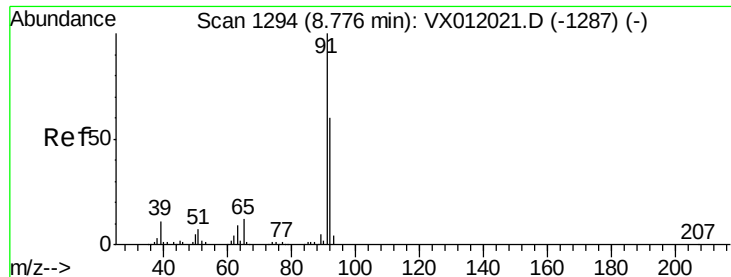
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 278.668 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion: 43 Resp: 283405
Ion Ratio Lower Upper
43 100
58 37.8 31.5 47.3





#52

Toluene

Concen: 51.894 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 92 Resp: 175281

Ion Ratio Lower Upper

92 100

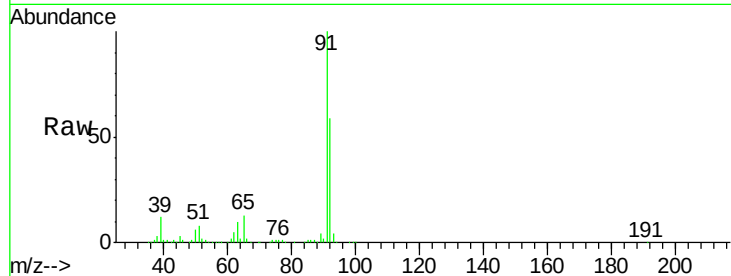
91 168.4 136.0 204.0

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

200000

150000

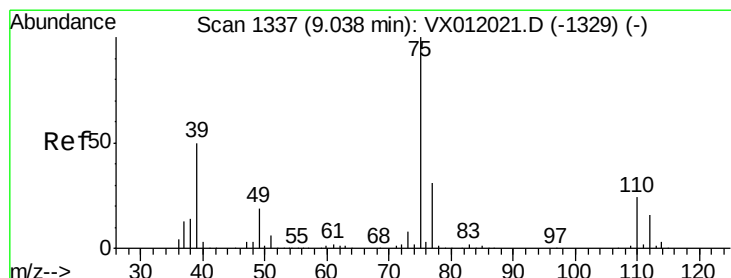
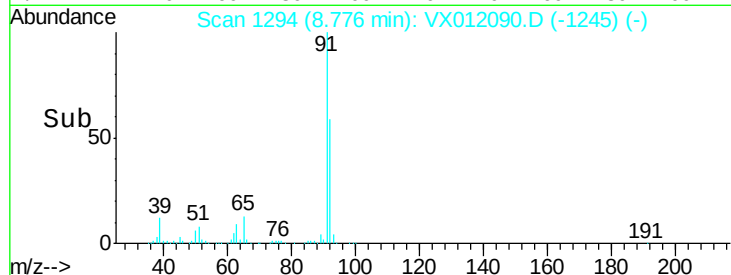
100000

50000

0

8.70 8.80 8.90

Time-->



#53

t-1,3-Dichloropropene

Concen: 49.286 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012090.D

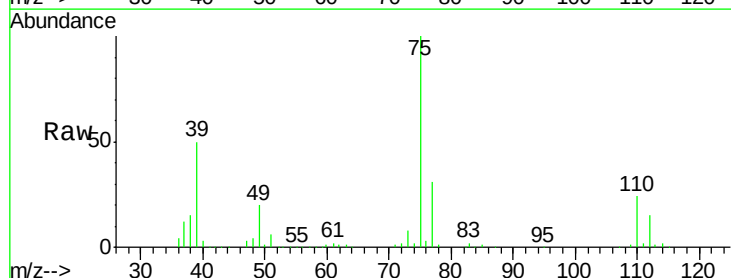
Acq: 05 Sep 2019 09:52

Tgt Ion: 75 Resp: 101550

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

80000

60000

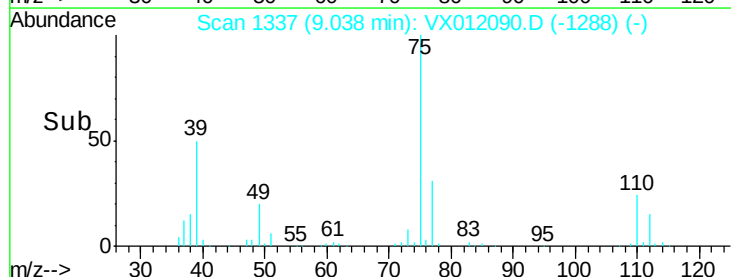
40000

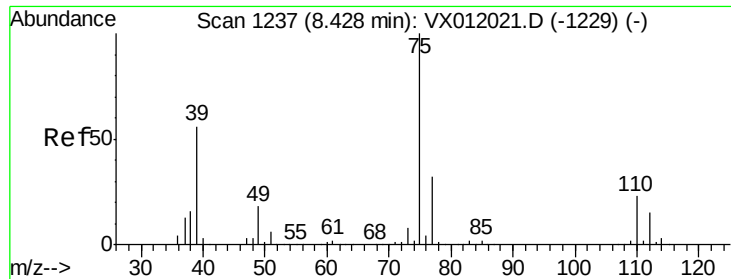
20000

0

9.00 9.10

Time-->





#54

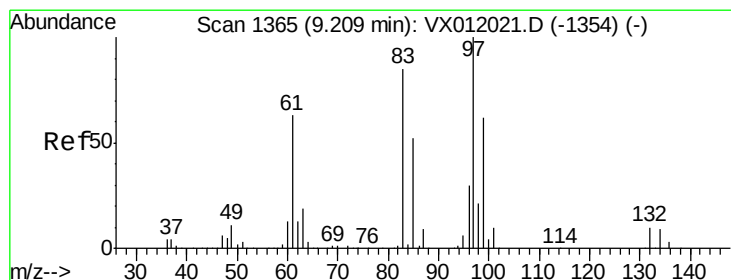
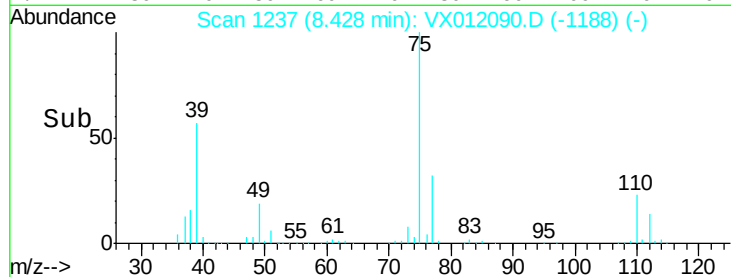
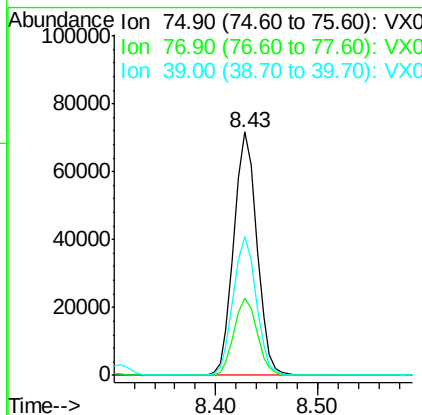
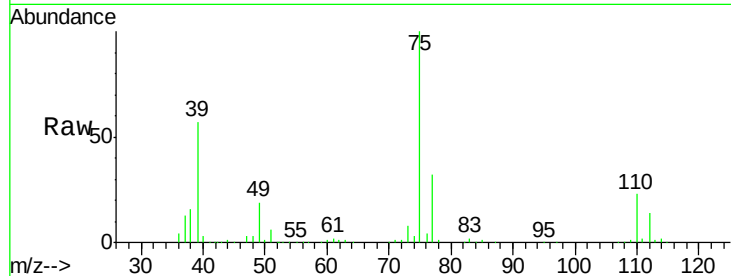
cis-1,3-Dichloropropene
 Concen: 49.076 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	75	Resp:	112445
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.5	38.3
39	56.9	43.0	64.4

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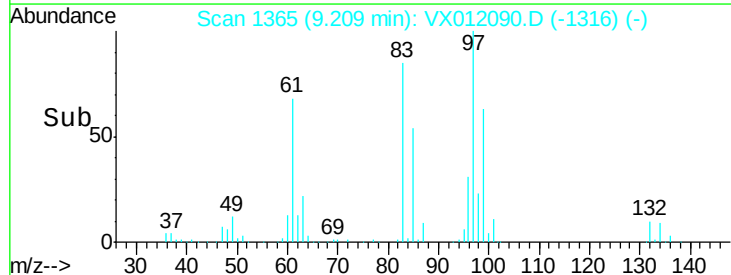
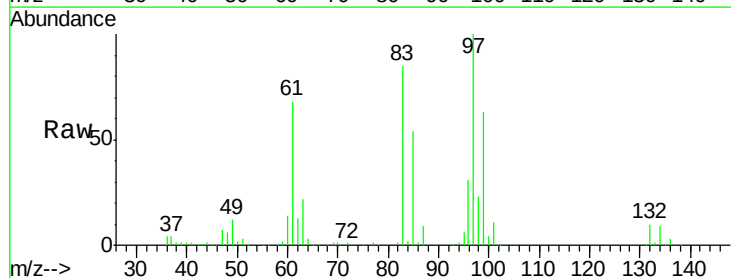
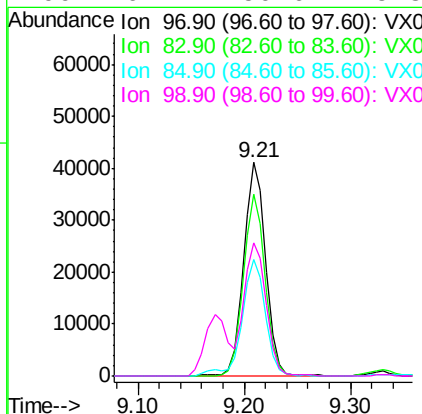
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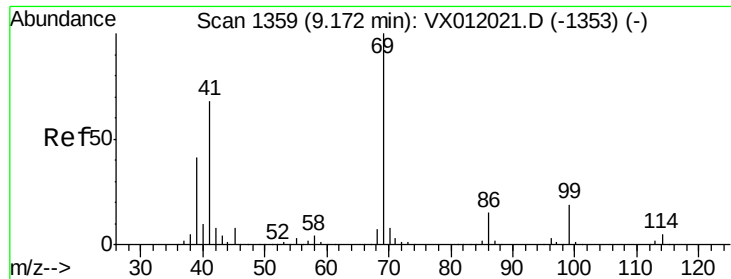


#55

1,1,2-Trichloroethane
 Concen: 53.342 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion:	97	Resp:	59710
Ion Ratio	Lower	Upper	
97	100		
83	85.2	66.0	99.0
85	54.3	41.0	61.6
99	62.4	50.6	75.8





#56

Ethyl methacrylate

Concen: 53.647 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

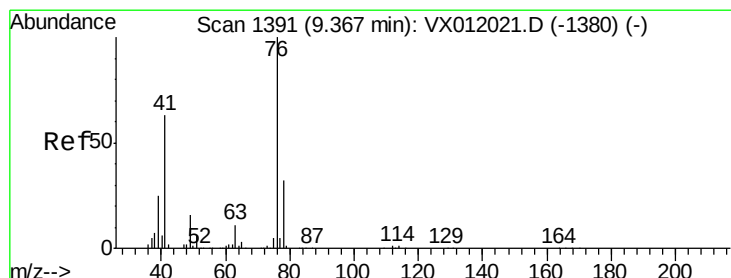
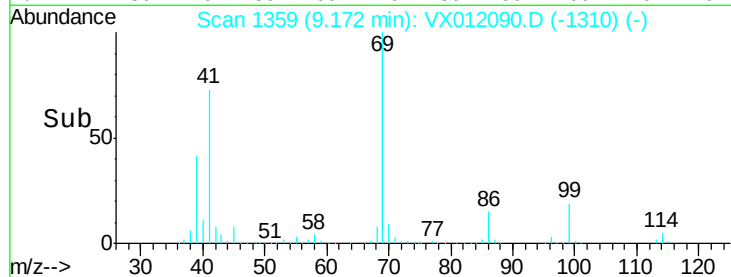
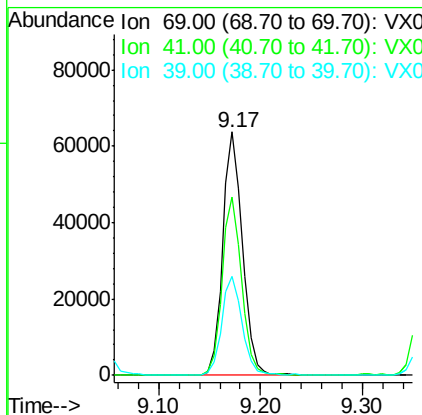
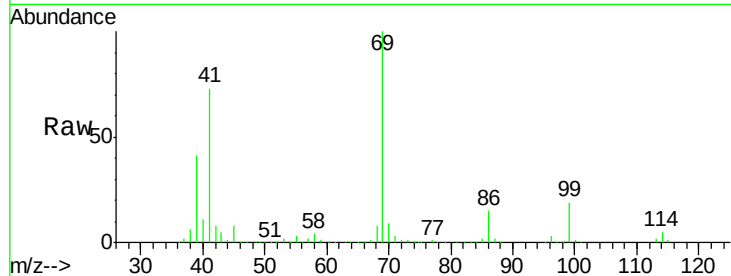
ClientSampleId :

VSTDCCC050EC

Tot Ion:	69	Resp:	86016
Ion	Ratio	Lower	Upper
69	100		
41	71.9	53.9	80.9
39	41.7	31.1	46.7

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 54.958 ug/l

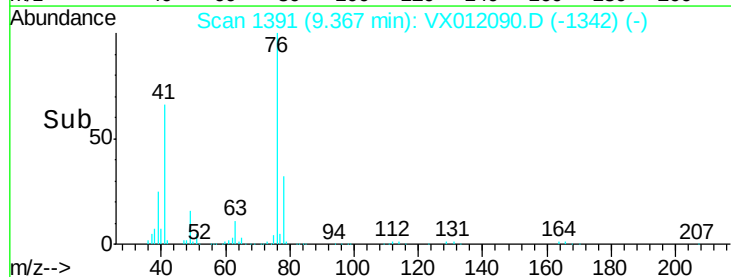
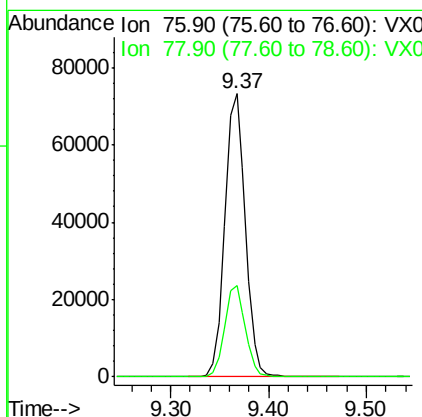
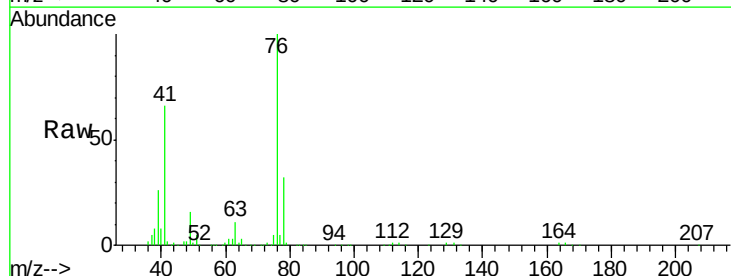
RT: 9.37 min Scan# 1391

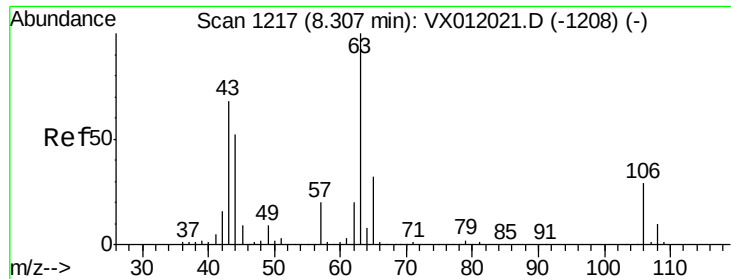
Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	76	Resp:	106157
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3





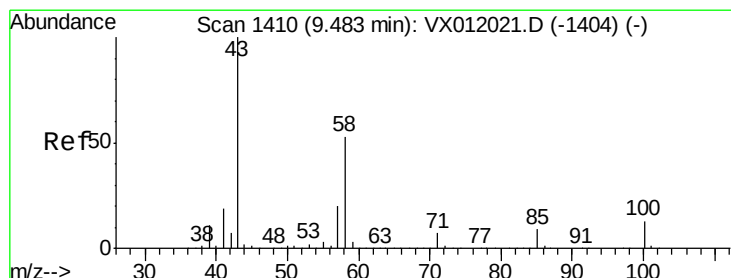
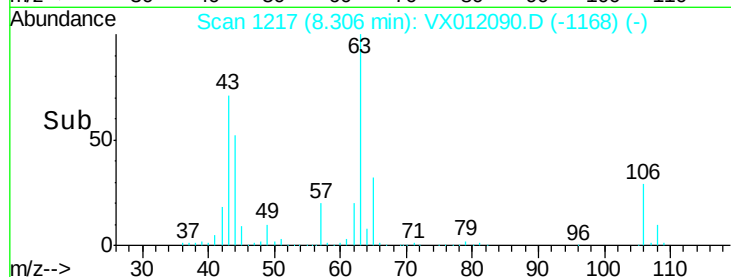
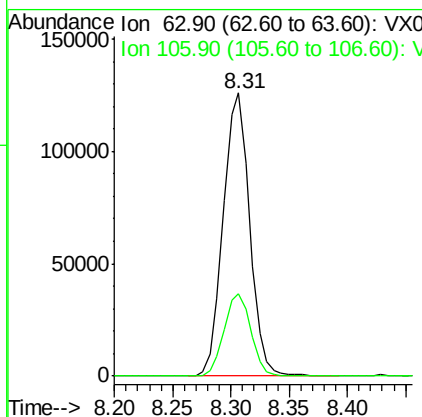
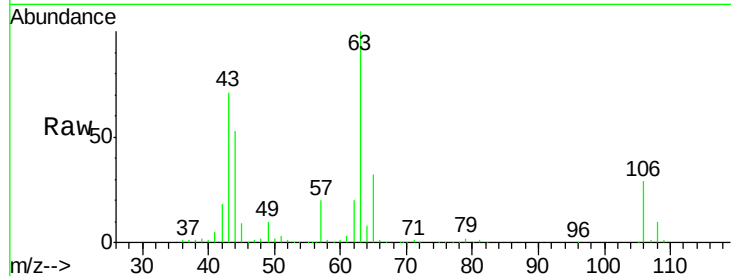
#58
2-Chloroethyl Vinyl ether
Concen: 273.649 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 197810
Ion Ratio Lower Upper
63 100
106 29.9 26.5 39.7

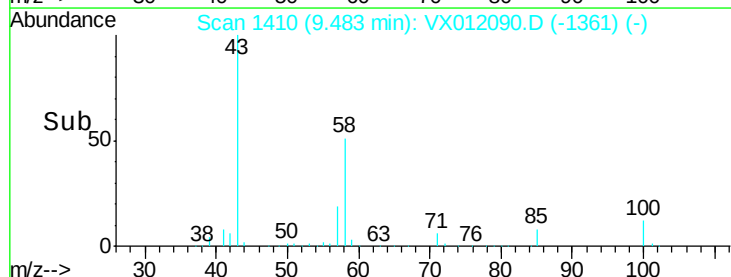
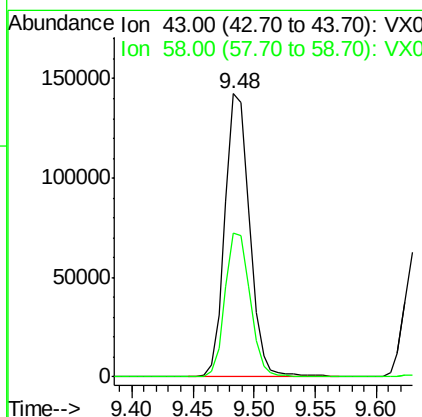
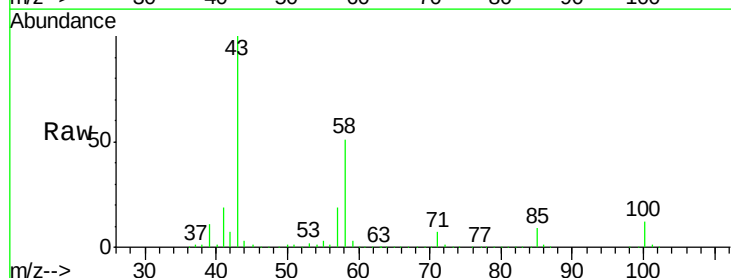
Manual Integrations
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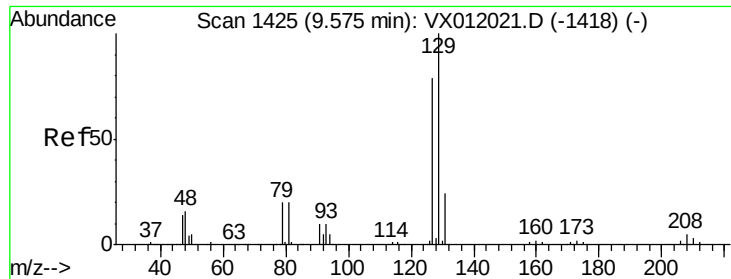
MMDadoda
9/9/2019 8:57:42 AM



#59
2-Hexanone
Concen: 267.422 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion: 43 Resp: 198448
Ion Ratio Lower Upper
43 100
58 52.2 27.2 81.6





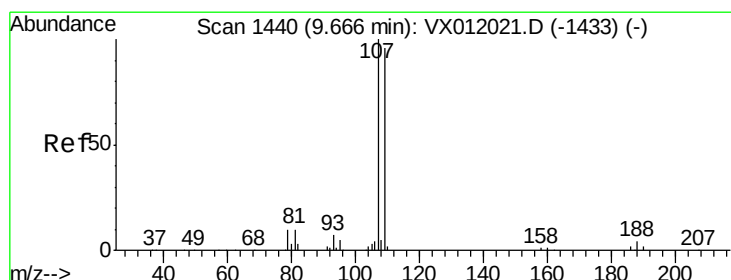
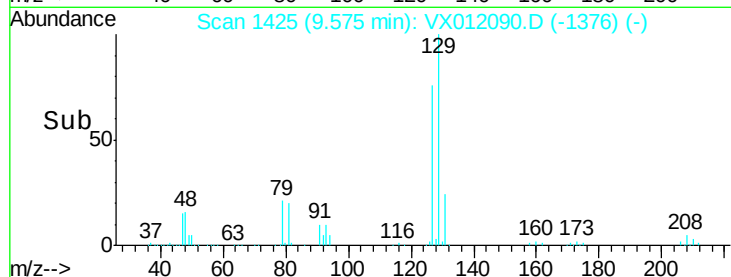
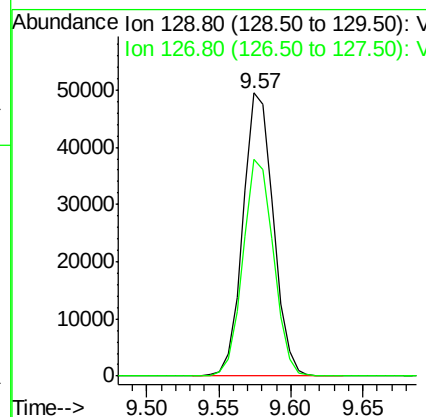
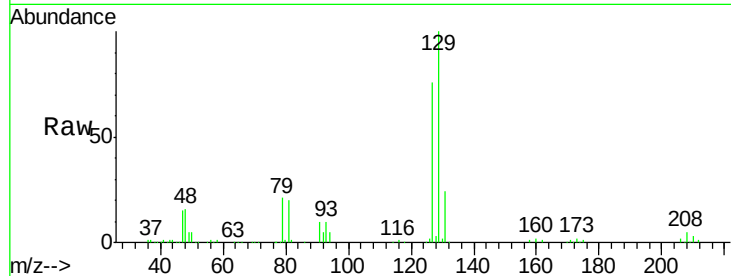
#60
Dibromochloromethane
Concen: 54.293 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:129 Resp: 72432
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5

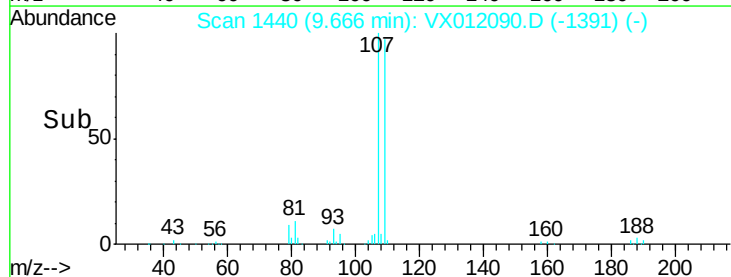
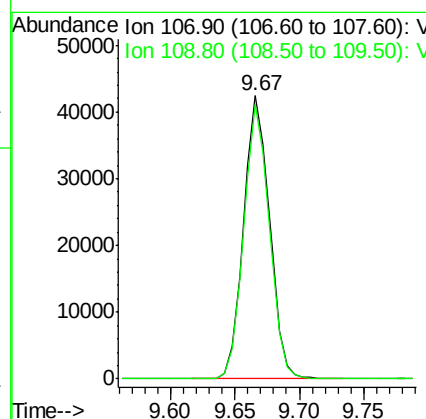
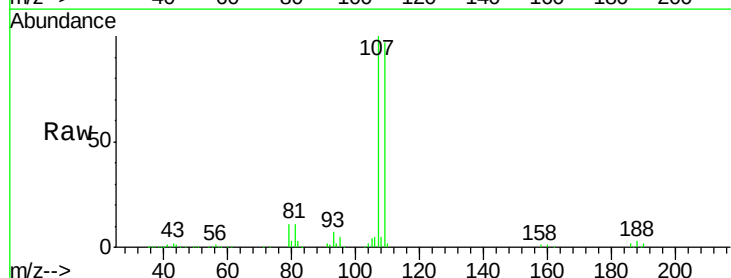
Manual Integrations
APPROVED

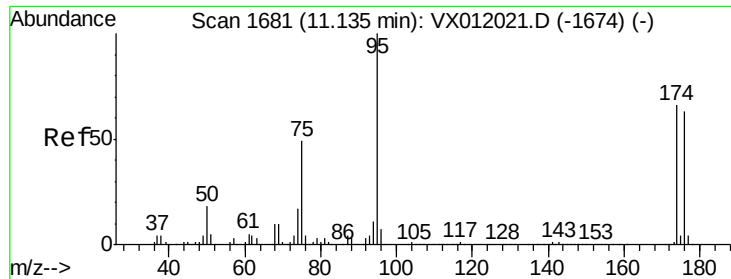
MMDadoda
9/9/2019 8:57:42 AM



#61
1,2-Dibromoethane
Concen: 54.663 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion:107 Resp: 59126
Ion Ratio Lower Upper
107 100
109 95.7 76.9 115.3





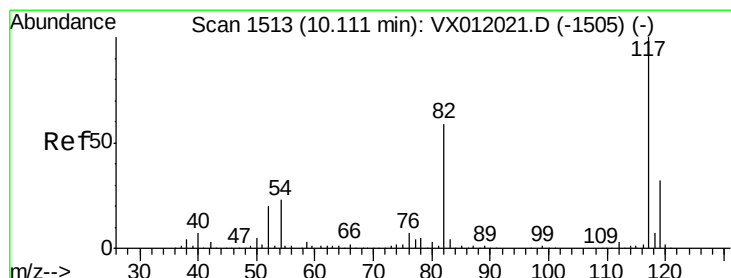
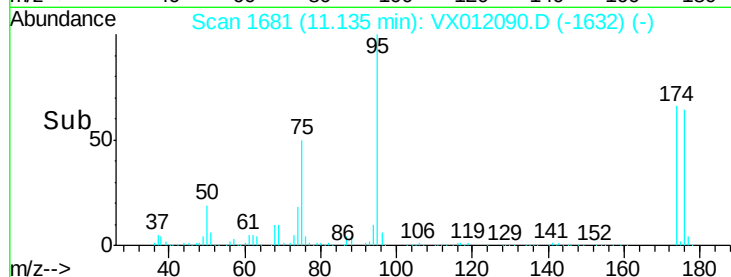
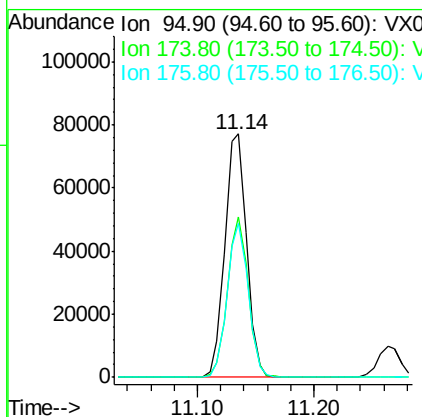
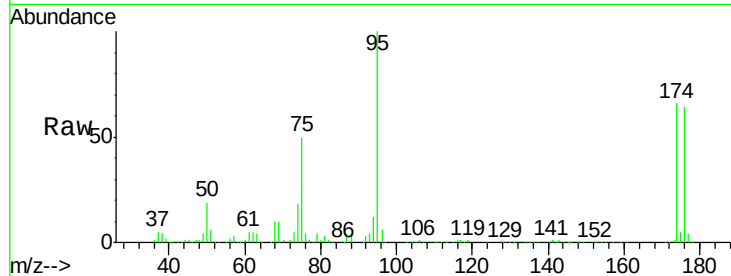
#62
4-Bromofluorobenzene
Concen: 46.367 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.0	0.0	205.4
176	61.7	0.0	201.8

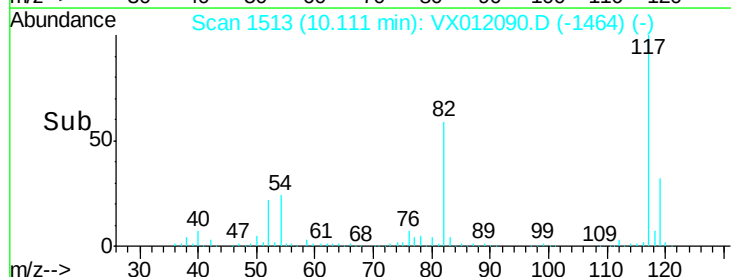
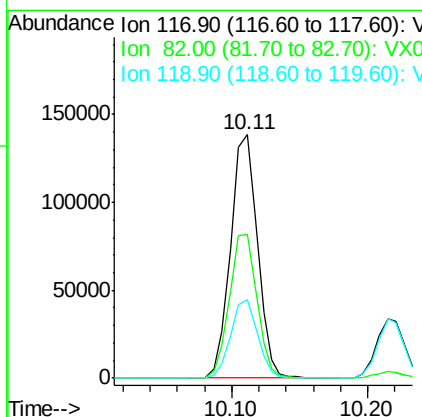
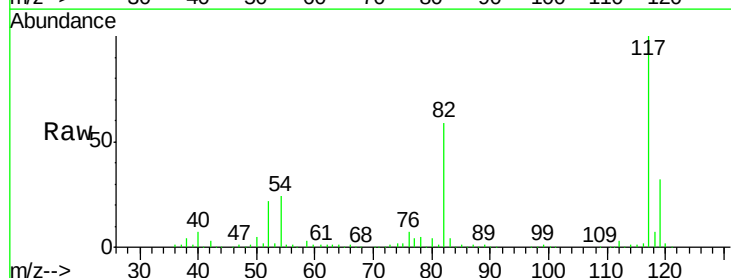
Manual Integrations
APPROVED

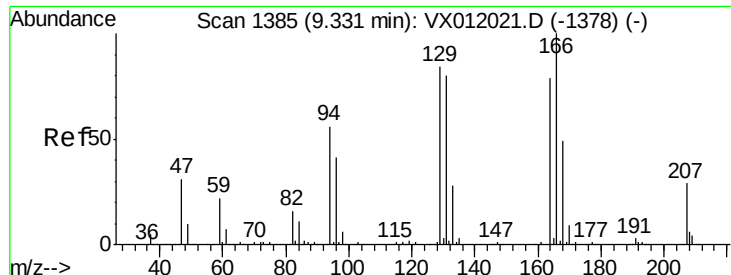
MMDadoda
9/9/2019 8:57:42 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	39.4	59.0#
119	32.1	26.1	39.1





#64

Tetrachloroethene

Concen: 59.642 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:164 Resp: 71189

Ion Ratio Lower Upper

164 100

166 127.1 104.3 156.5

129 110.2 68.3 102.5#

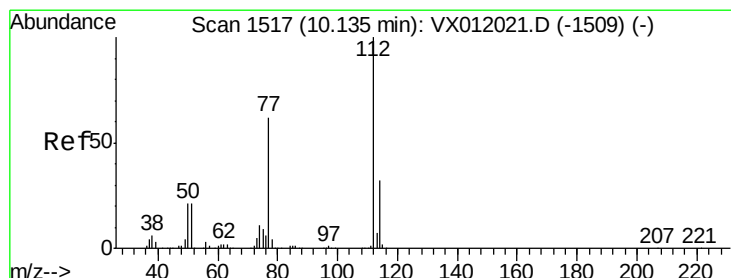
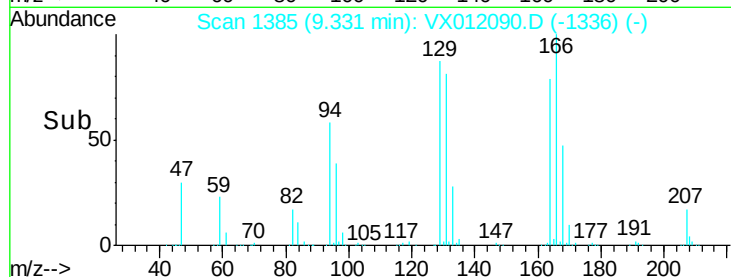
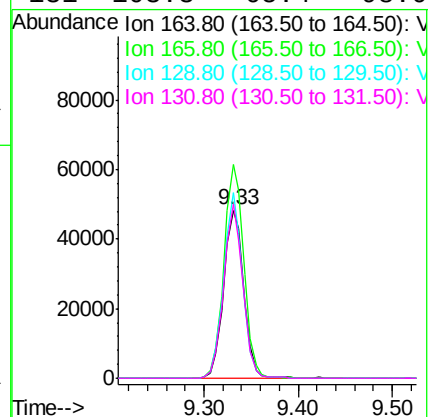
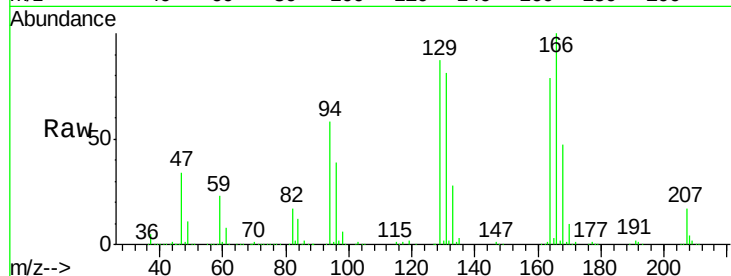
131 103.3 65.4 98.0#

Manual Integrations

APPROVED

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9/9/2019 8:57:42 AM



#65

Chlorobenzene

Concen: 51.403 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012090.D

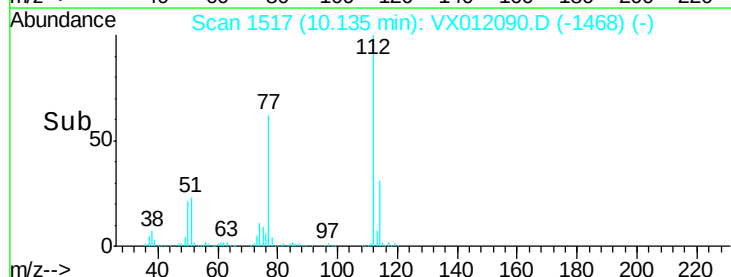
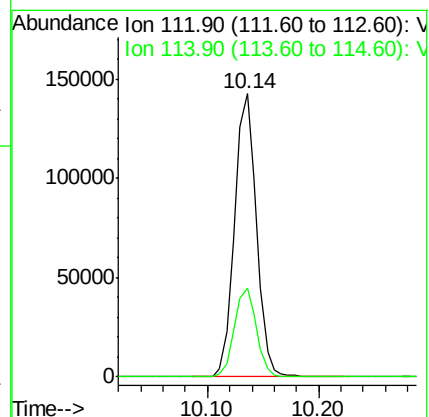
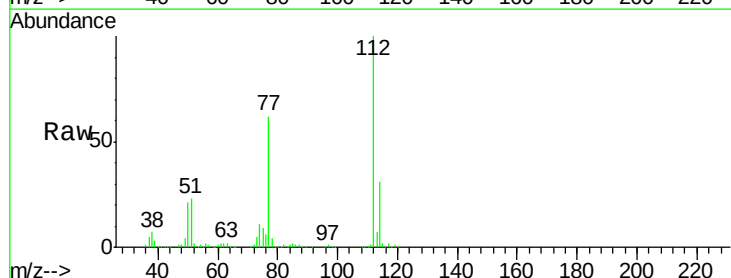
Acq: 05 Sep 2019 09:52

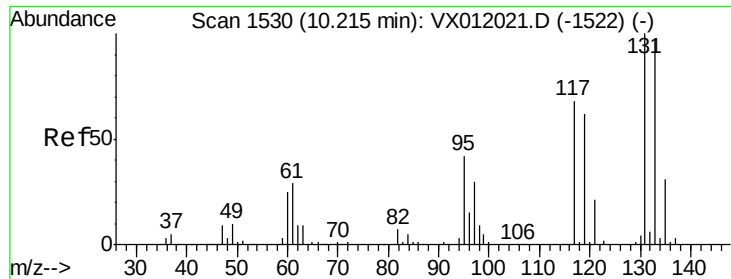
Tgt Ion:112 Resp: 194175

Ion Ratio Lower Upper

112 100

114 31.4 26.2 39.2





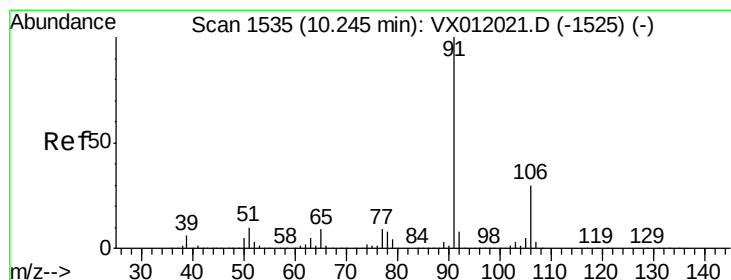
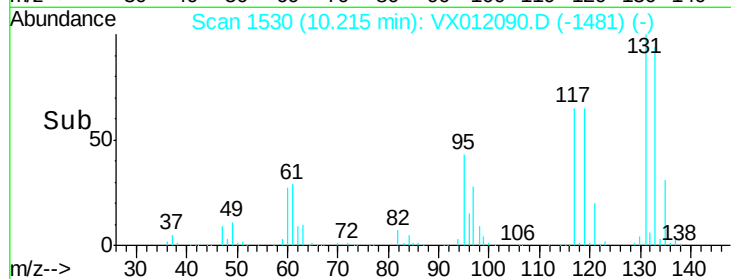
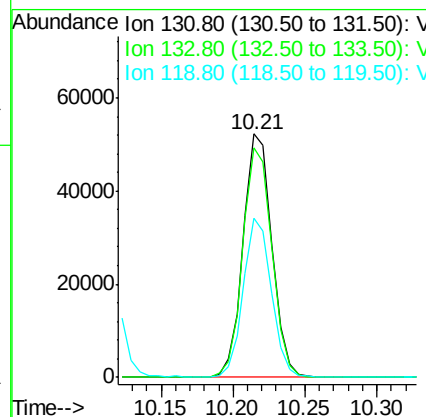
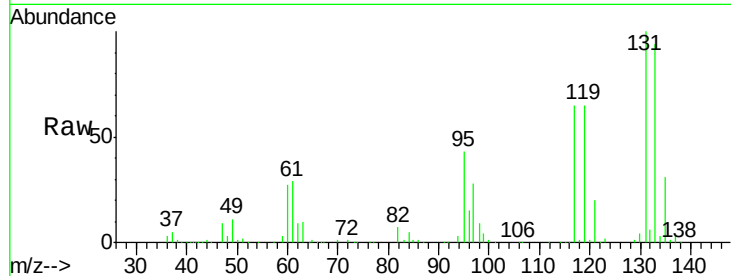
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.471 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.4	145.0
119	64.1	30.5	91.5

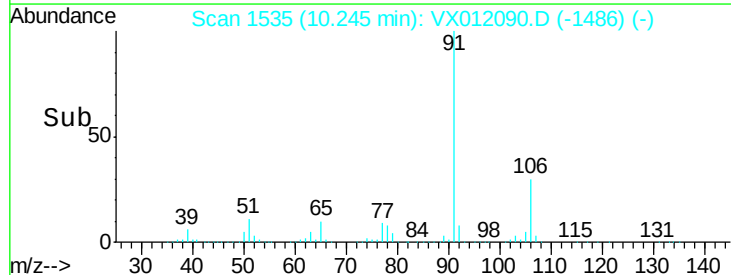
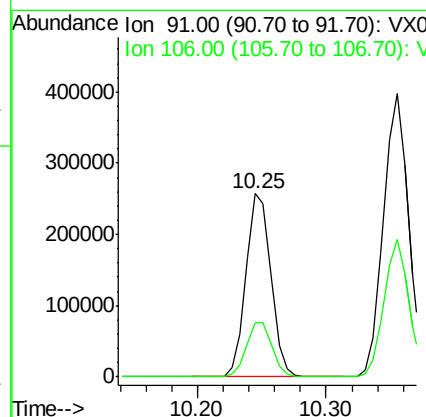
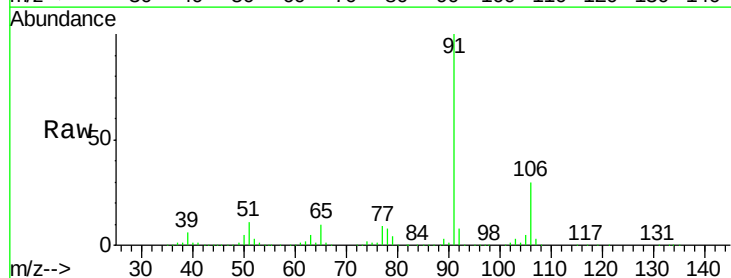
Manual Integrations
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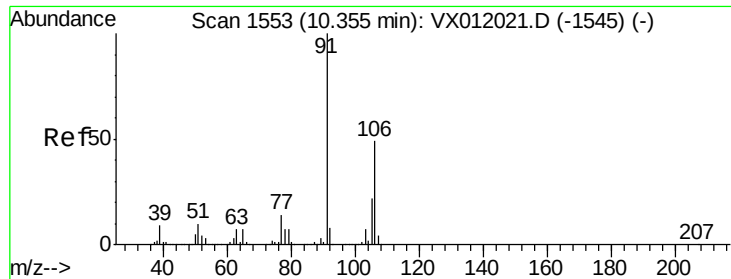
MMDadoda
 9/9/2019 8:57:42 AM



#67
 Ethyl Benzene
 Concen: 50.018 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	25.8	38.8





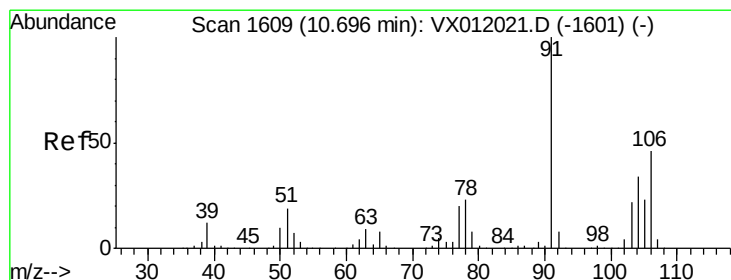
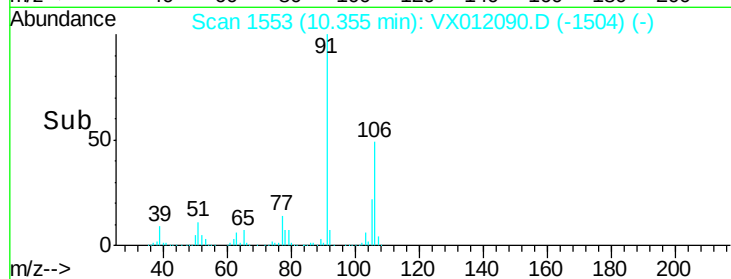
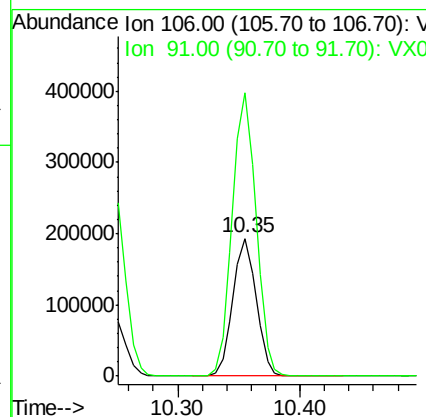
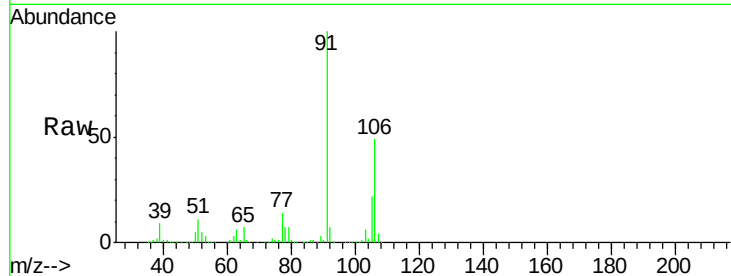
#68
m/p-Xylenes
Concen: 100.569 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		255139		
91	209.9	157.5	236.3		

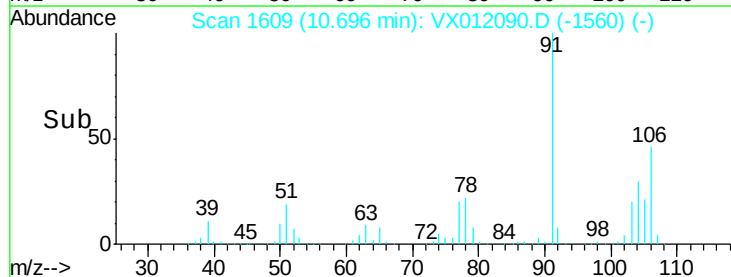
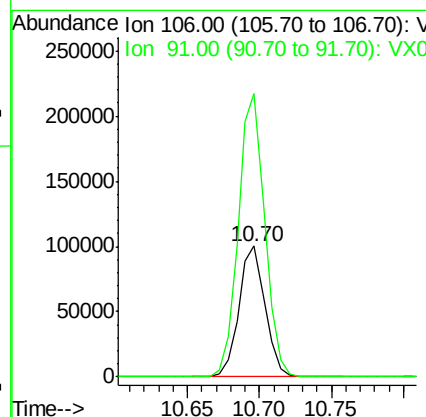
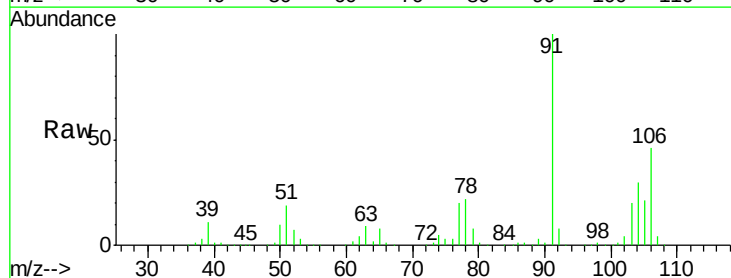
Manual Integrations
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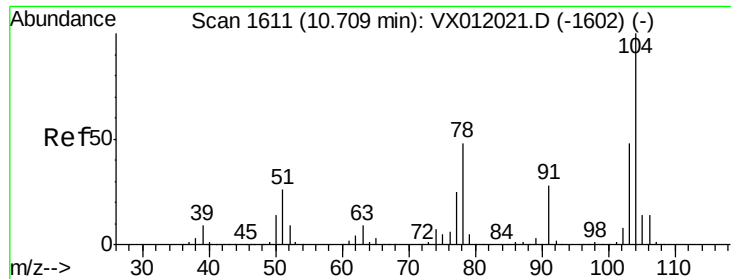
MMDadoda
9/9/2019 8:57:42 AM



#69
o-Xylene
Concen: 51.558 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		126835		
91	219.7	103.5	310.3		





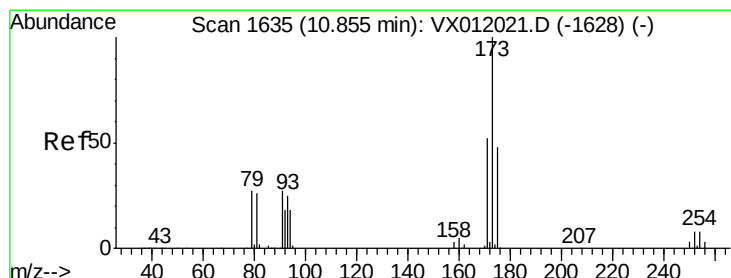
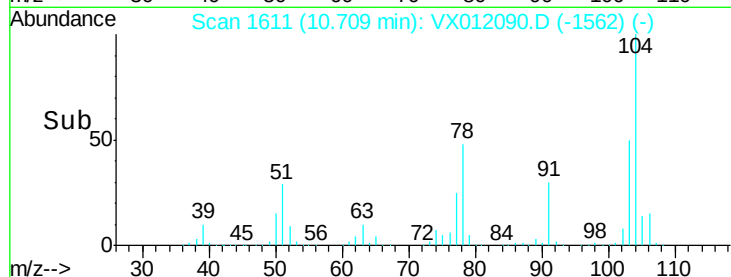
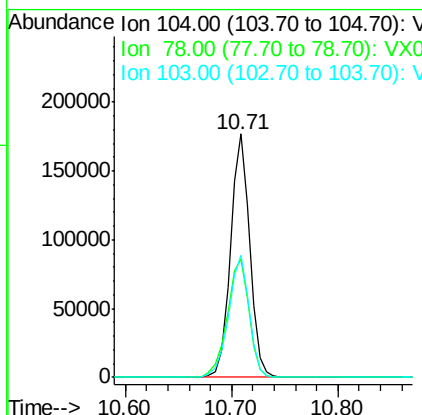
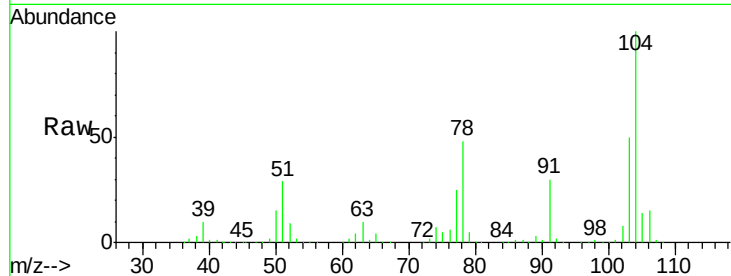
#70
Stvrene
Concen: 52.246 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.2	39.1	58.7
103	53.9	43.4	65.2

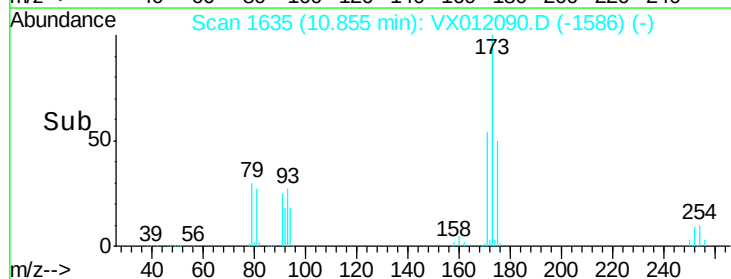
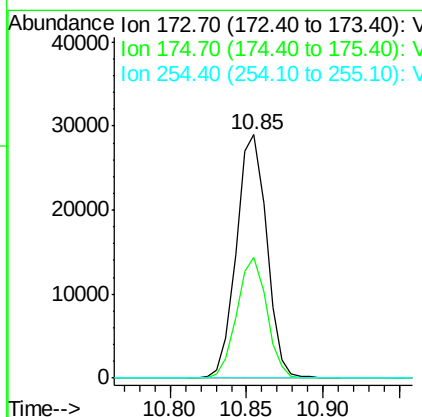
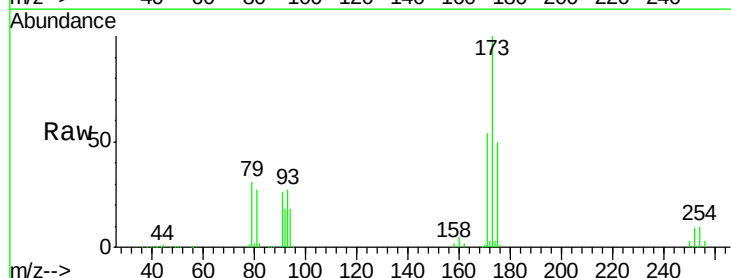
Manual Integrations
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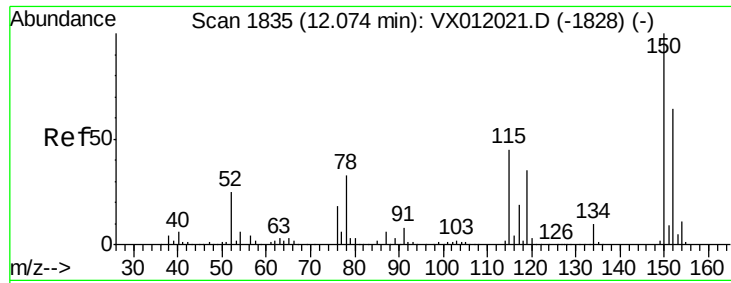
MMDadoda
9/9/2019 8:57:42 AM



#71
Bromoform
Concen: 52.642 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.7
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 95976

Ion Ratio Lower Upper

152 100

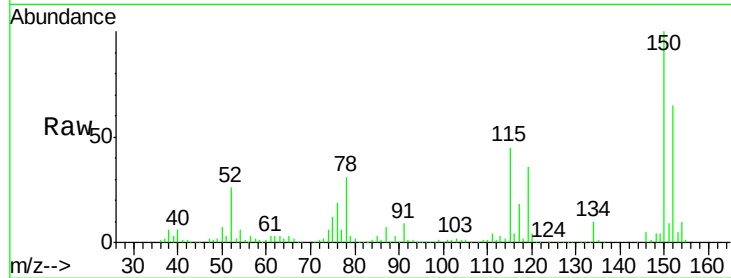
115 89.0 36.4 109.3

150 172.3 0.0 341.2

Manual Integrations
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MMDadoda

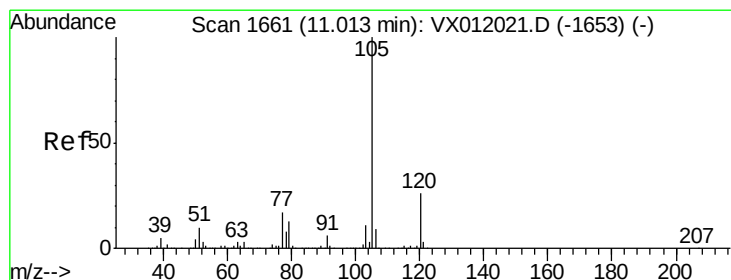
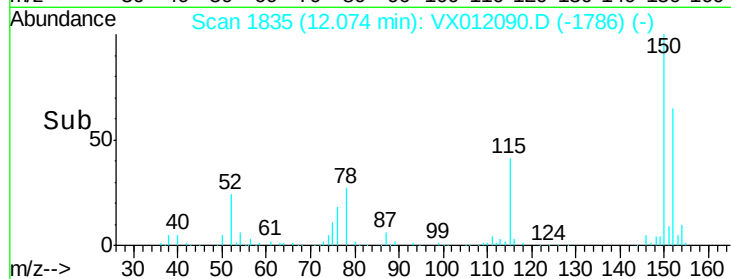
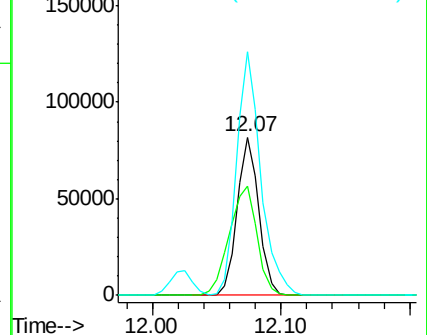
9/9/2019 8:57:42 AM



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: 47.265 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012090.D

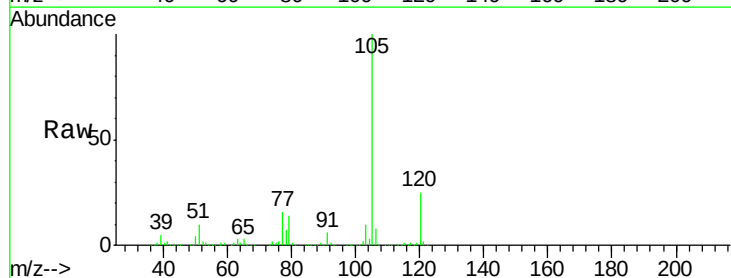
Acq: 05 Sep 2019 09:52

Tgt Ion:105 Resp: 332836

Ion Ratio Lower Upper

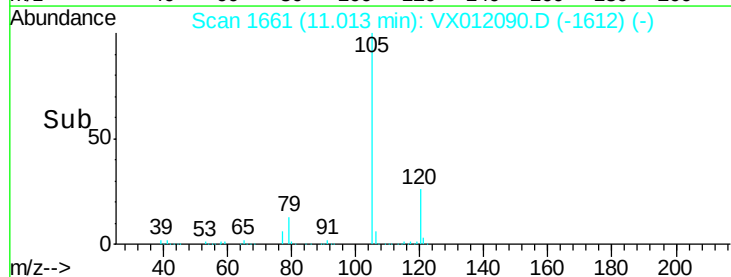
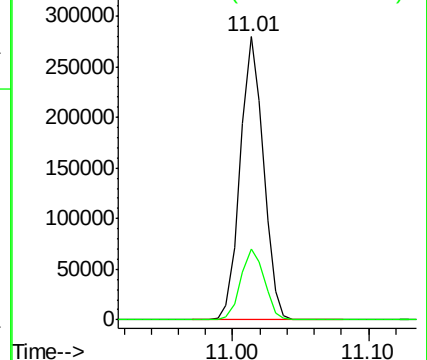
105 100

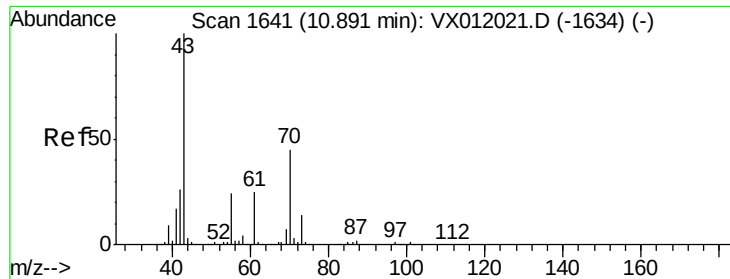
120 25.4 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





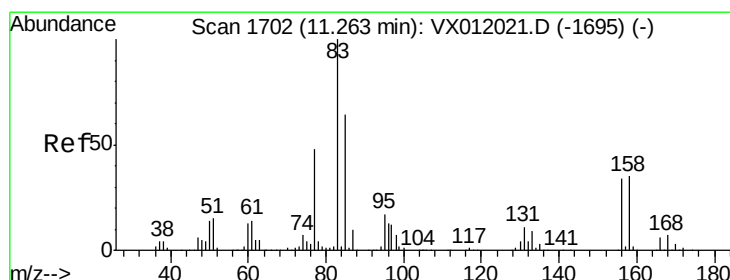
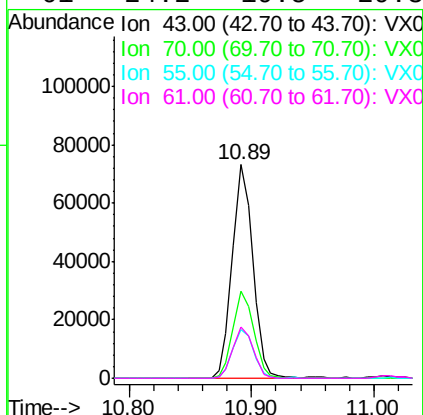
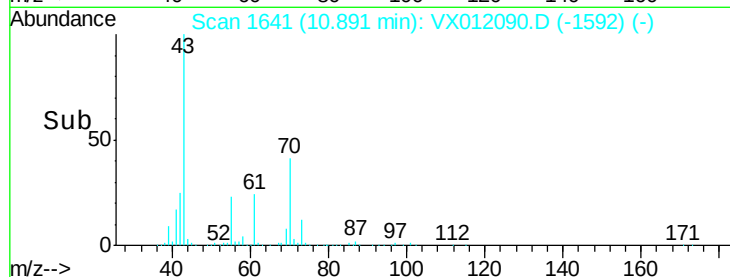
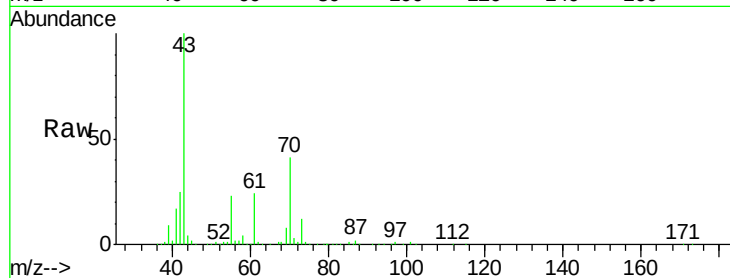
#74
N-amvl acetate
Concen: 40.667 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	41.3	34.4	51.6	
55	24.0	18.5	27.7	
61	24.2	19.5	29.3	

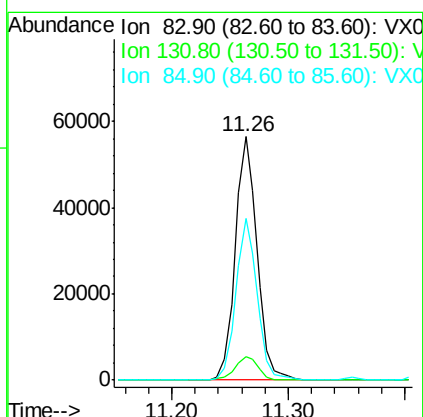
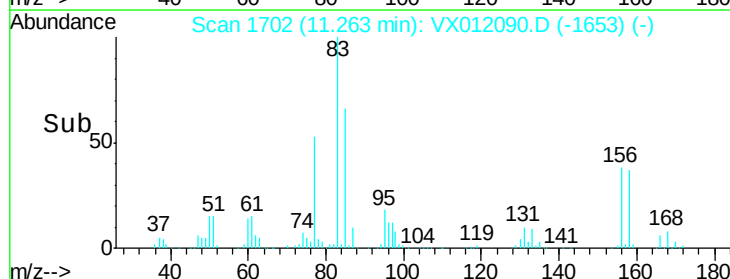
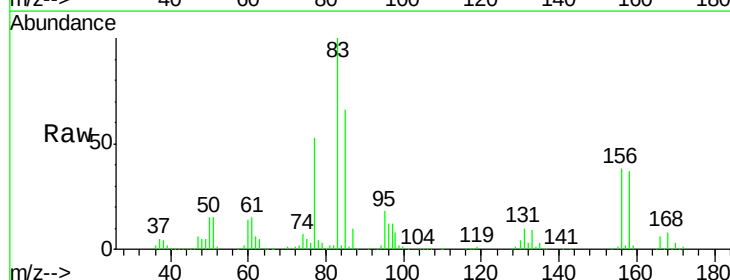
Manual Integrations
APPROVED

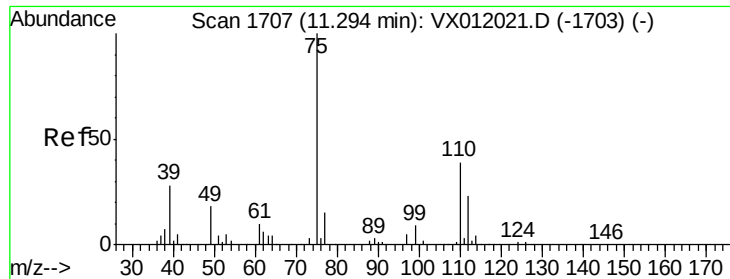
MMDadoda
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#75
1,1,2,2-Tetrachloroethane
Concen: 50.215 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.4	6.3	19.1	
85	65.0	32.5	97.4	





#76

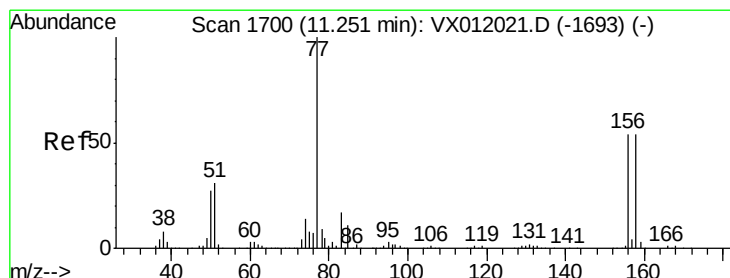
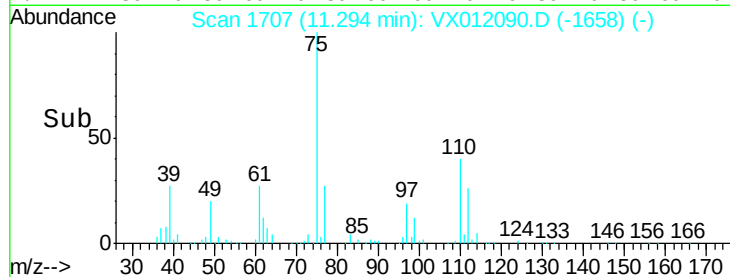
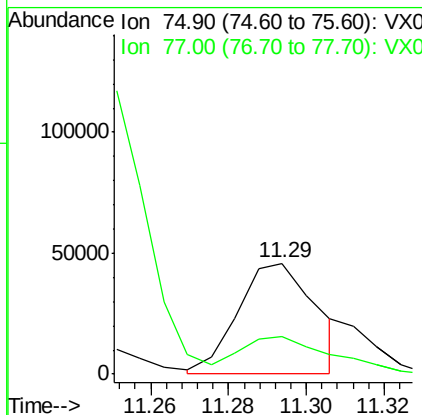
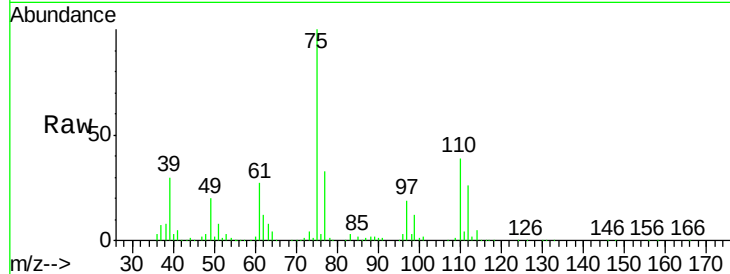
1,2,3-Trichloropropane
Concen: 54.738 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	39.5	23.5	70.5

Manual Integrations
APPROVED

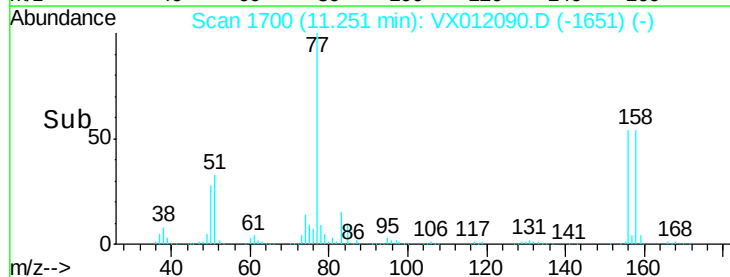
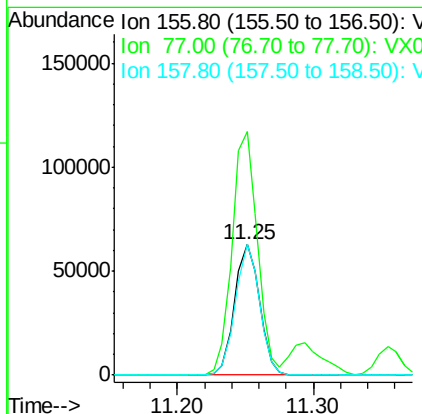
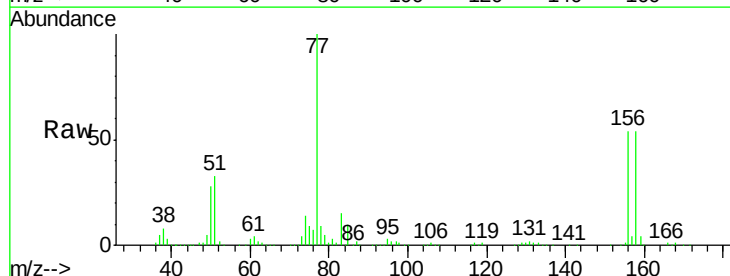
MMDadoda
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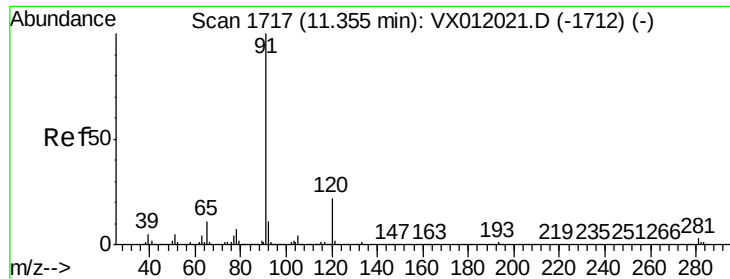


#77

Bromobenzene
Concen: 51.132 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.3	63.4	190.2
158	96.4	48.9	146.6





#78

n-propylbenzene

Concen: 46.212 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 393146

Ion Ratio Lower Upper

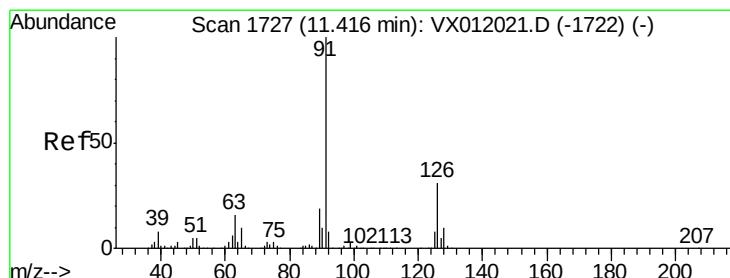
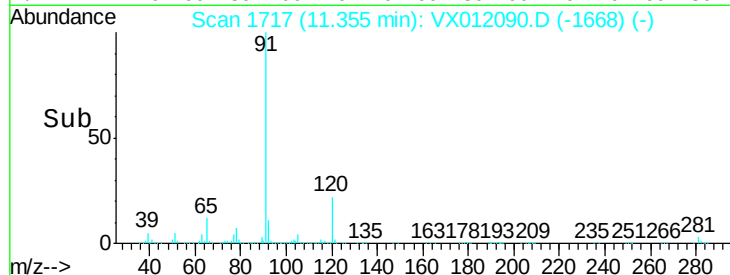
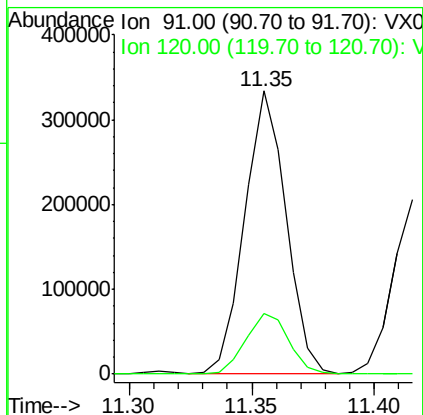
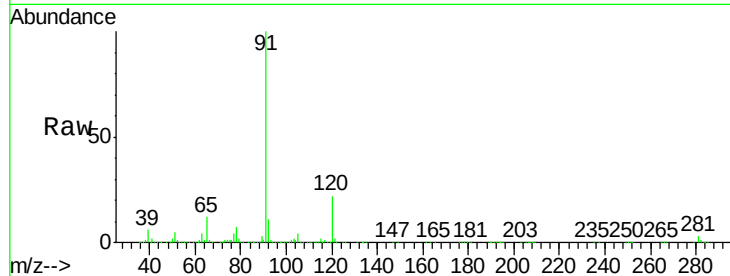
91 100

120 22.3 12.7 38.0

Manual Integrations
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#79

2-Chlorotoluene

Concen: 48.789 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012090.D

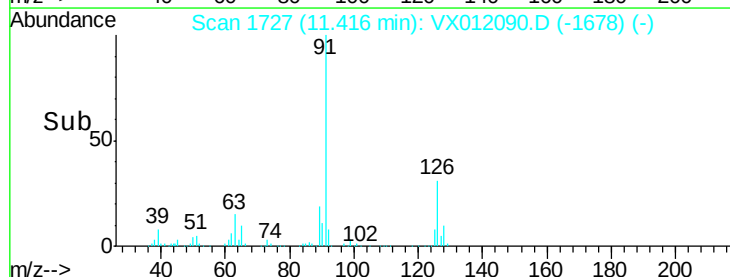
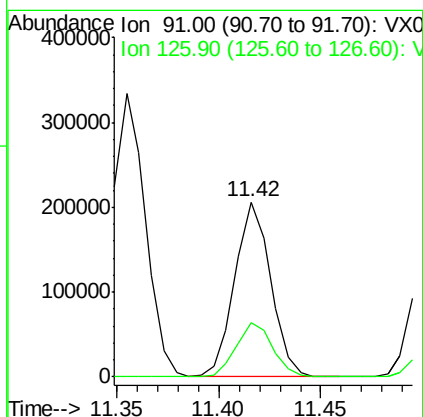
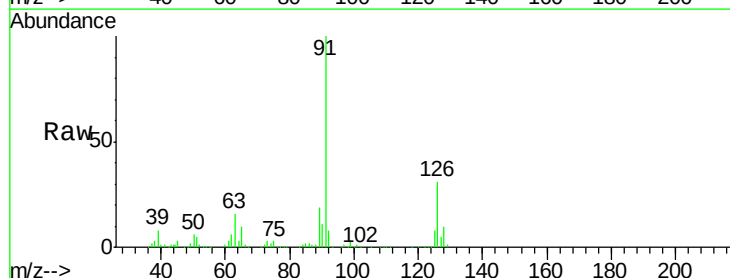
Acq: 05 Sep 2019 09:52

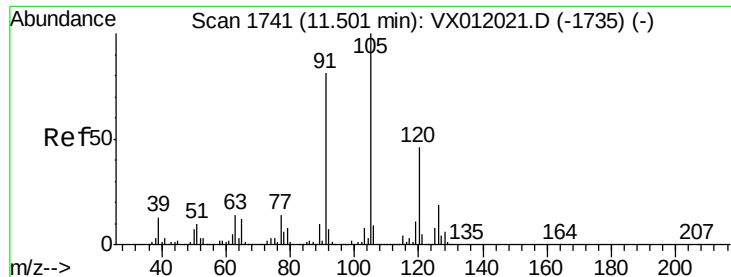
Tgt Ion: 91 Resp: 251460

Ion Ratio Lower Upper

91 100

126 31.4 18.6 55.8





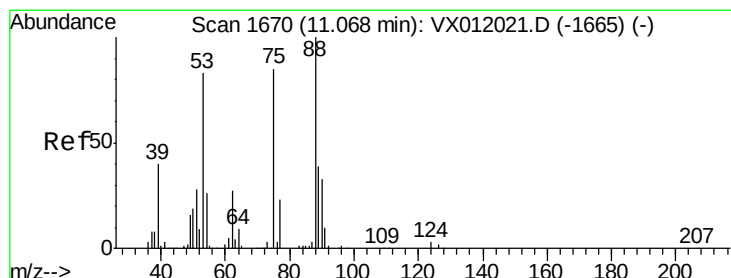
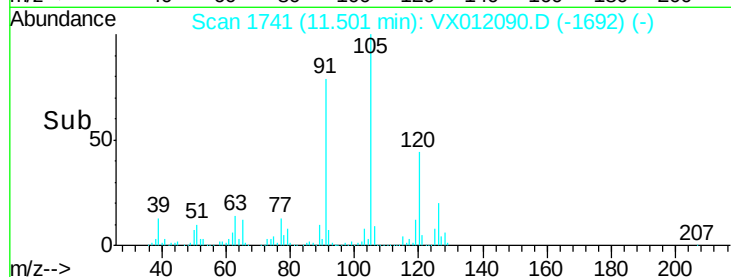
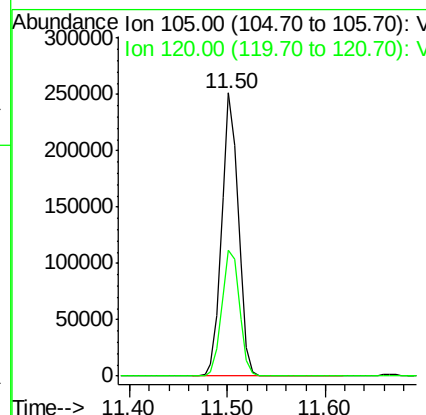
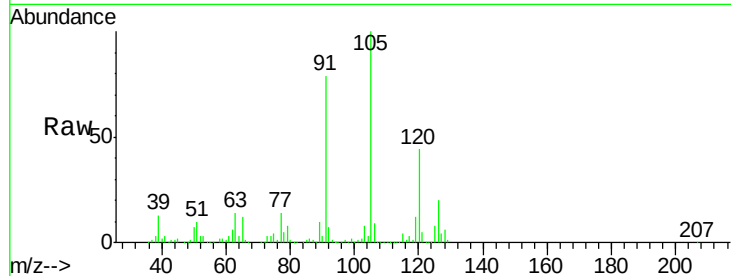
#80
 1,3,5-Trimethylbenzene
 Concen: 48.283 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.2	25.8	77.3

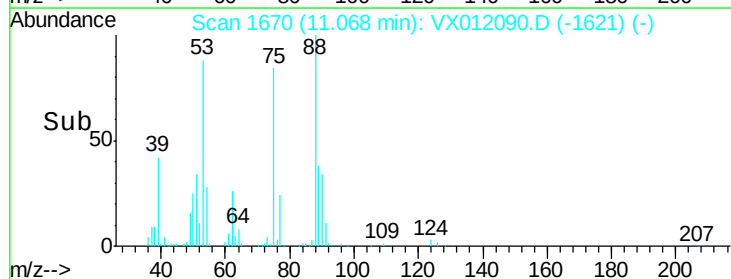
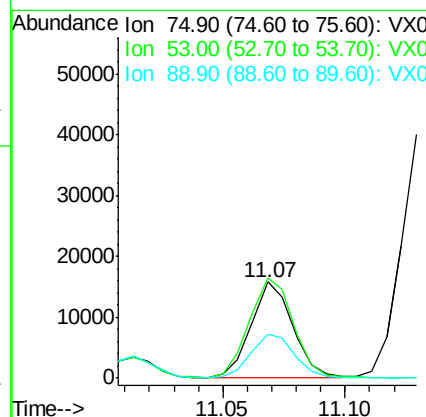
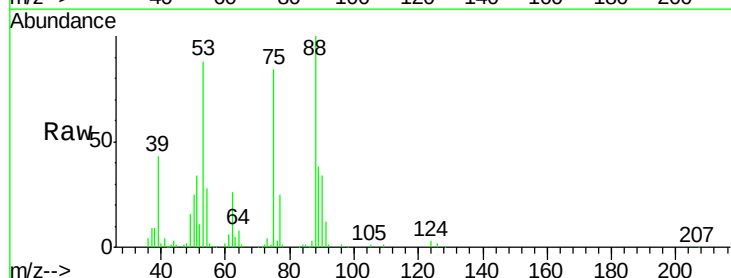
Manual Integrations
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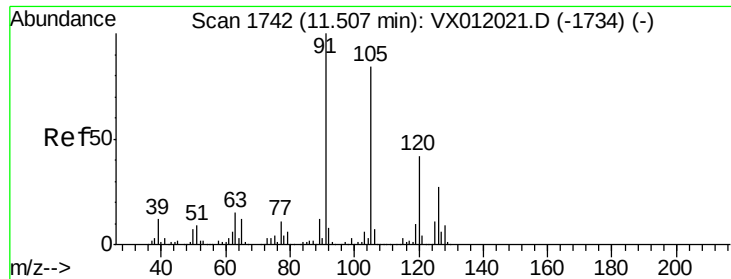
MMDadoda
 9/9/2019 8:57:42 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.510 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.5	78.6	117.8
89	48.3	38.8	58.2





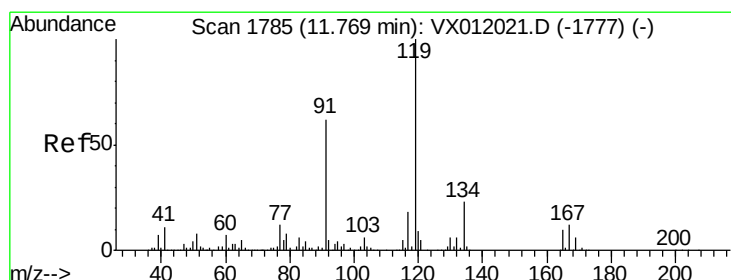
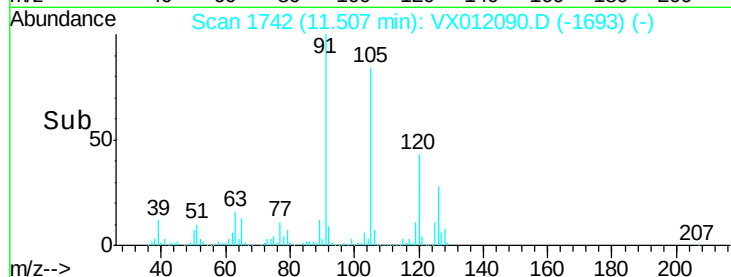
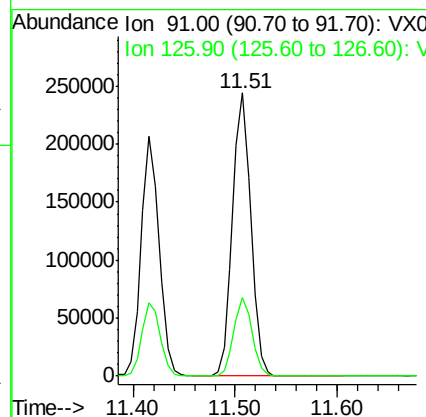
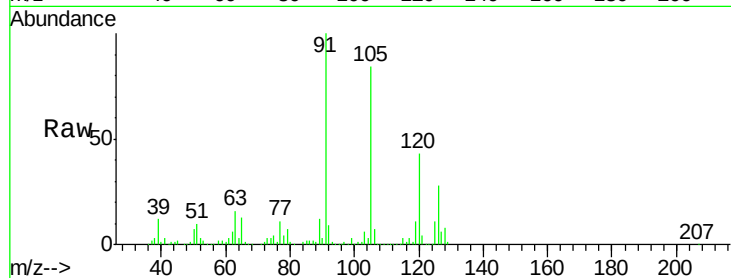
#82
4-Chlorotoluene
Concen: 49.377 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 303327
Ion Ratio Lower Upper
91 100
126 27.5 16.2 48.6

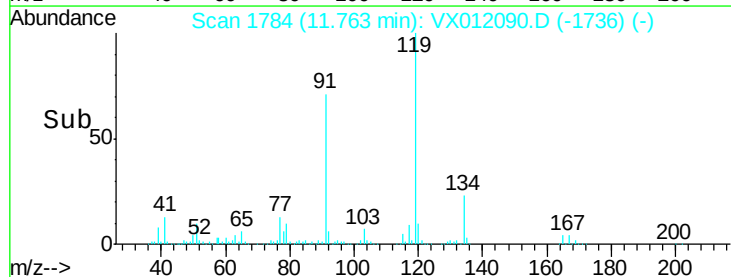
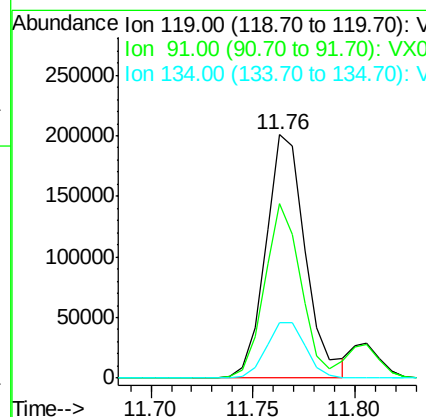
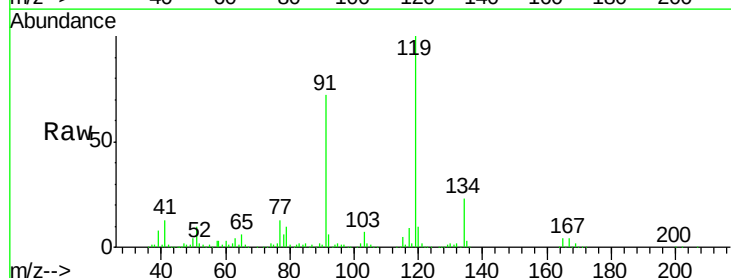
Manual Integrations
APPROVED

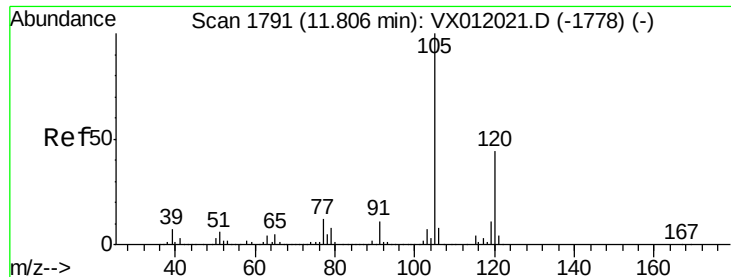
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#83
tert-Butylbenzene
Concen: 46.216 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion: 119 Resp: 271832
Ion Ratio Lower Upper
119 100
91 65.3 27.1 81.2
134 22.5 12.1 36.3





#84

1,2,4-Trimethylbenzene

Concen: 48.333 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 306552

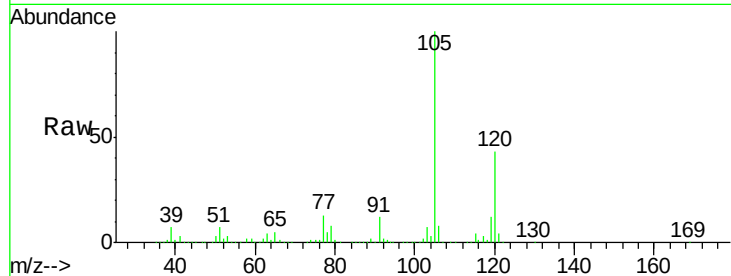
Ion Ratio Lower Upper

105 100

120 43.5 23.6 70.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

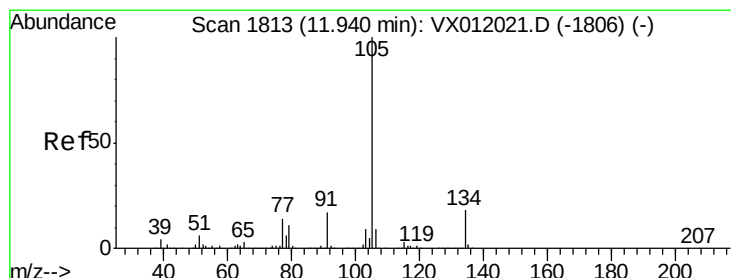
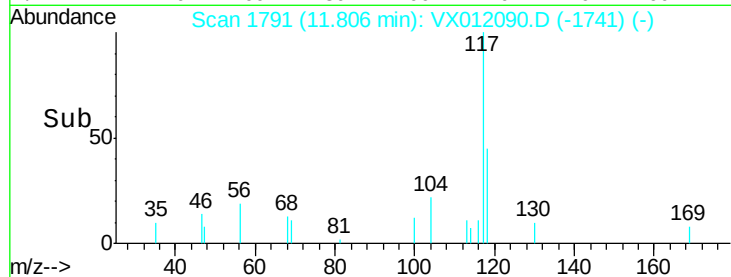
100000

50000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 45.387 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012090.D

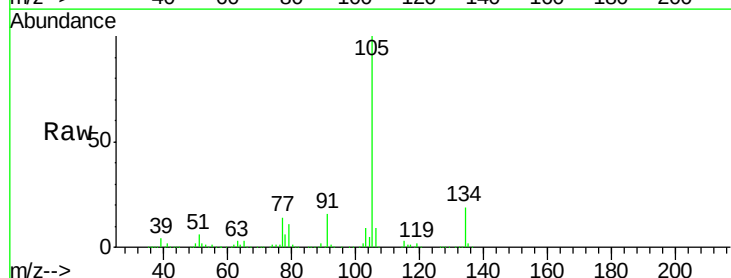
Acq: 05 Sep 2019 09:52

Tgt Ion:105 Resp: 331584

Ion Ratio Lower Upper

105 100

134 19.4 11.2 33.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

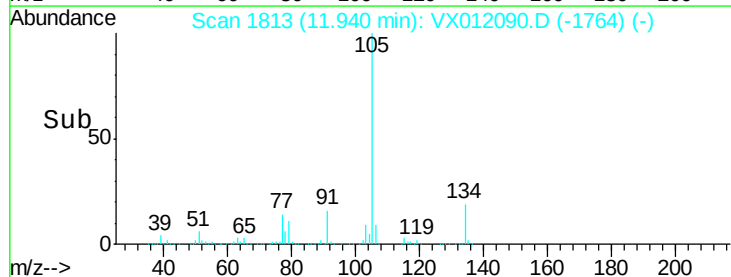
100000

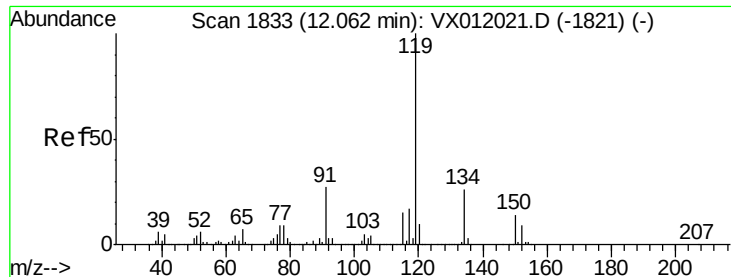
50000

0

11.85 11.90 11.95 12.00

Time-->





#86

p-Isopropyltoluene

Concen: 43.076 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 286196

Ion Ratio Lower Upper

119 100

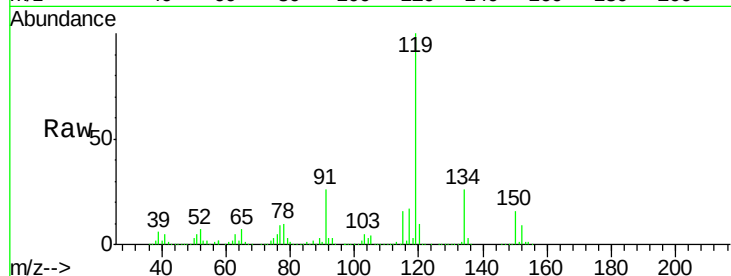
134 26.0 13.7 41.1

91 27.2 11.4 34.1

Manual Integrations
APPROVED

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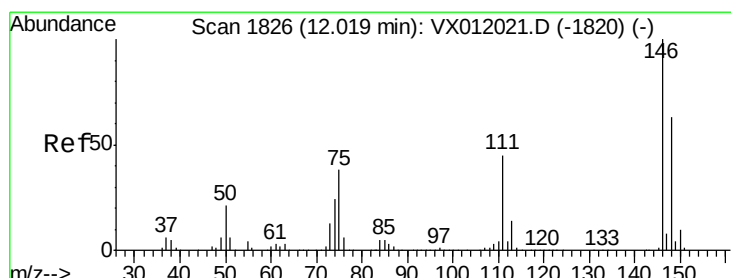
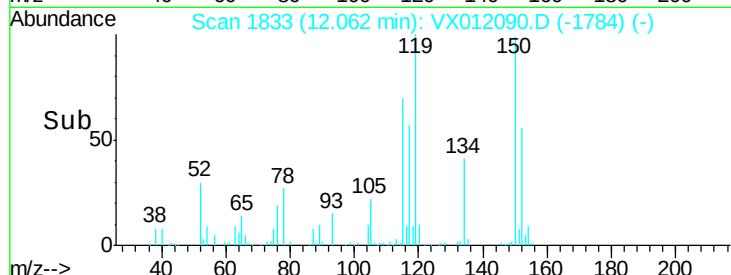
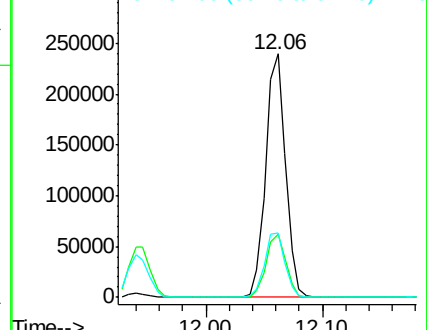
9/9/2019 8:57:42 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 48.979 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

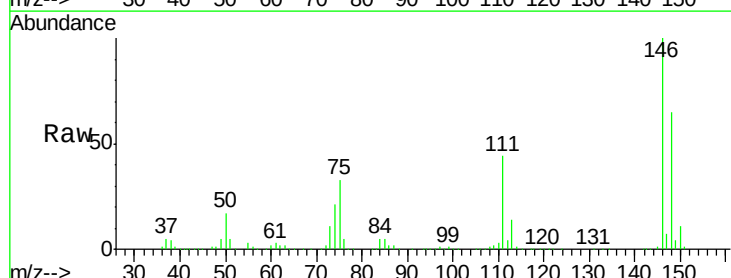
Tgt Ion:146 Resp: 154570

Ion Ratio Lower Upper

146 100

111 44.8 18.1 54.1

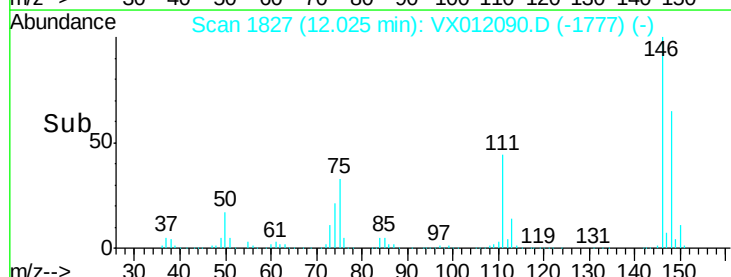
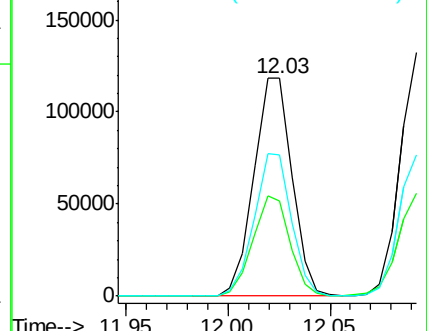
148 63.6 32.6 97.8

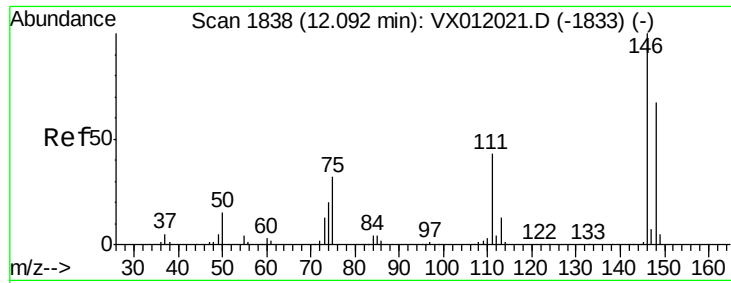


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





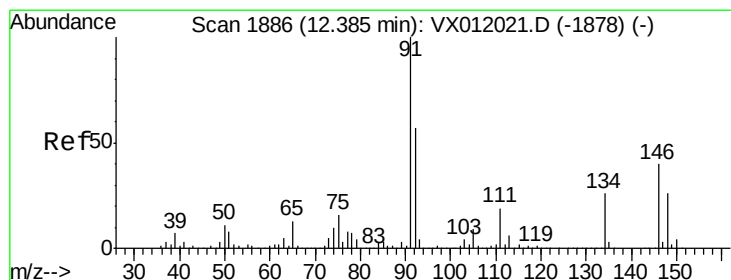
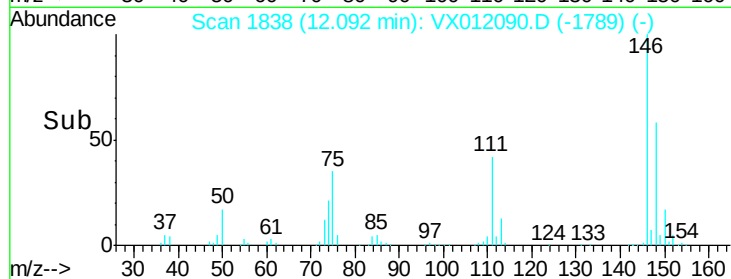
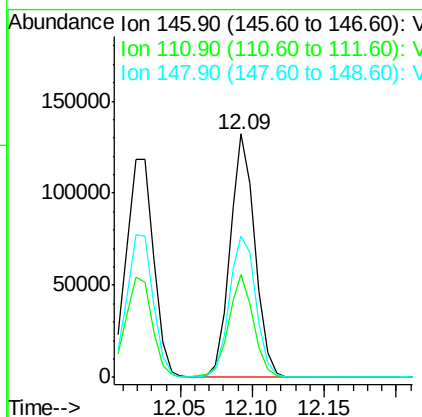
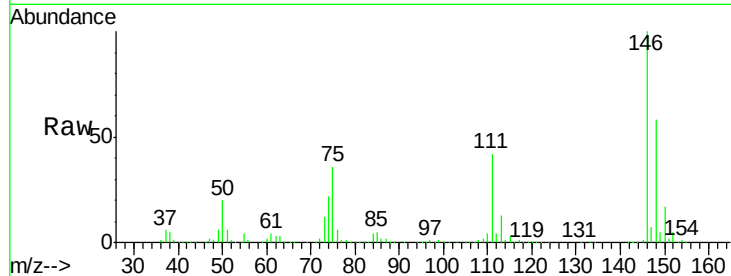
#88
 1,4-Dichlorobenzene
 Concen: 50.519 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	17.7	53.1
148	62.1	32.4	97.0

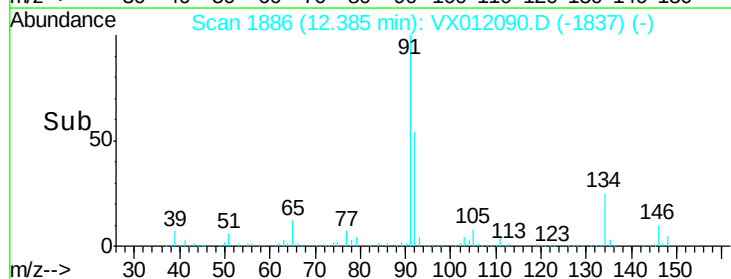
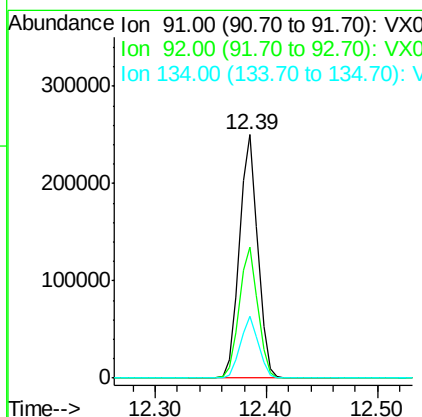
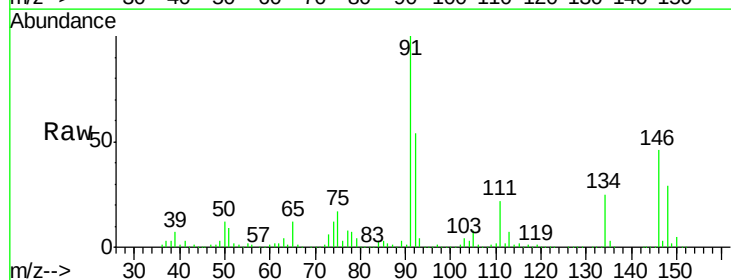
Manual Integrations
 APPROVED

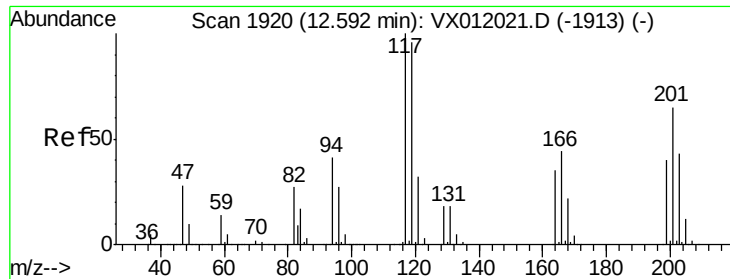
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#89
 n-Butylbenzene
 Concen: 44.300 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	24.9	15.4	46.1





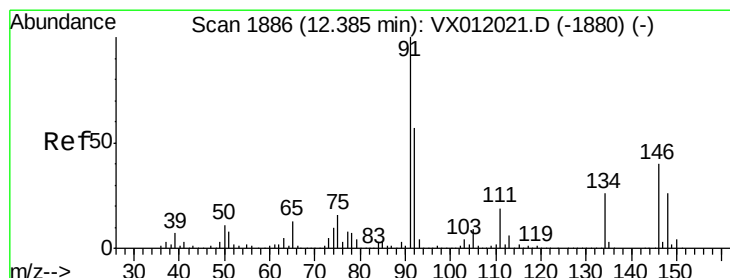
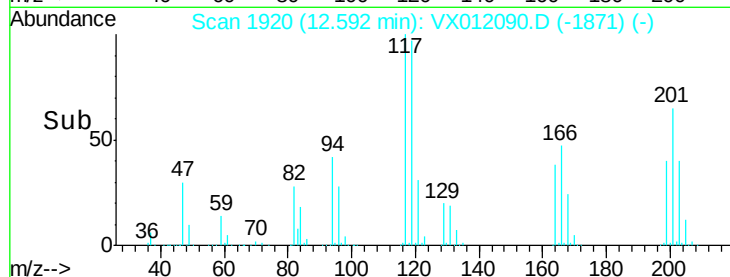
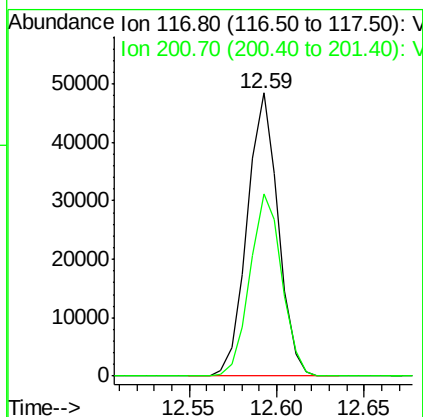
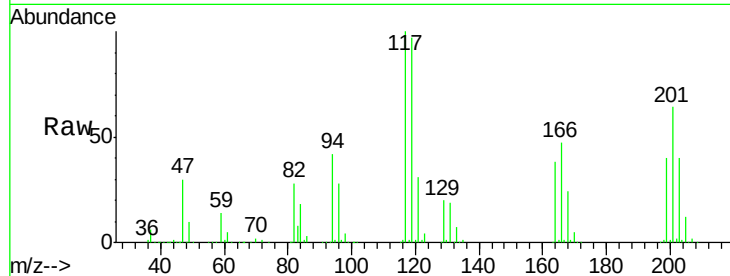
#90
Hexachloroethane
Concen: 44.975 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 59664
Ion Ratio Lower Upper
117 100
201 66.6 55.0 165.2

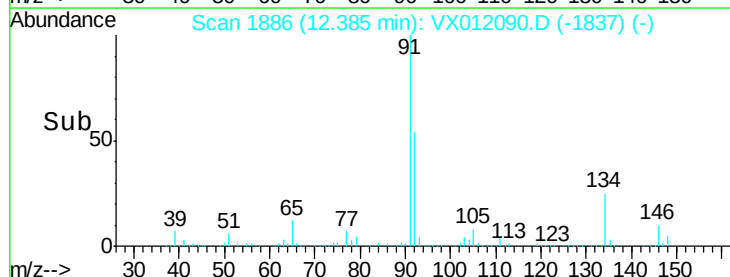
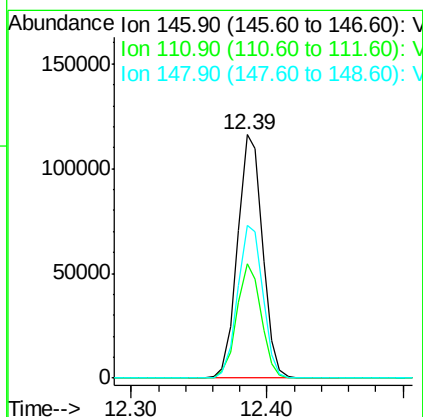
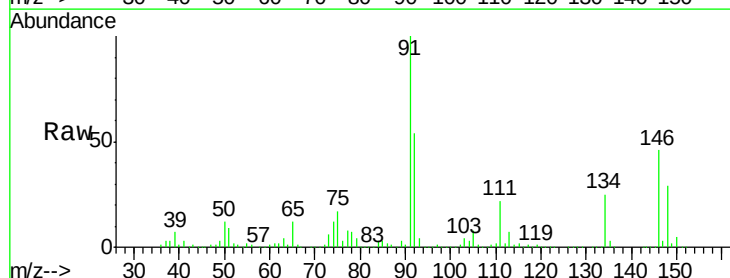
Manual Integrations
APPROVED

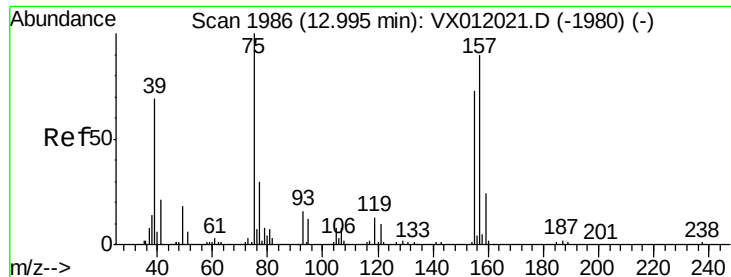
MMDadoda
9/9/2019 8:57:42 AM



#91
1,2-Dichlorobenzene
Concen: 52.073 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012090.D
Acq: 05 Sep 2019 09:52

Tgt Ion:146 Resp: 148004
Ion Ratio Lower Upper
146 100
111 45.8 18.6 56.0
148 63.4 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.552 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

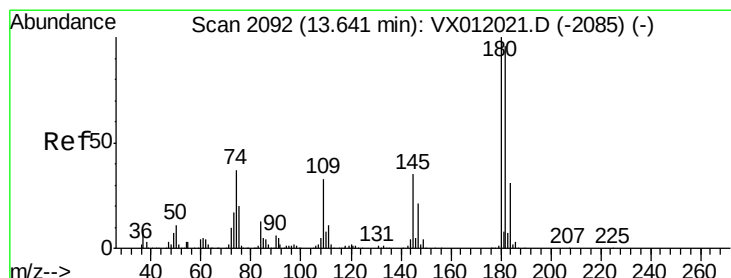
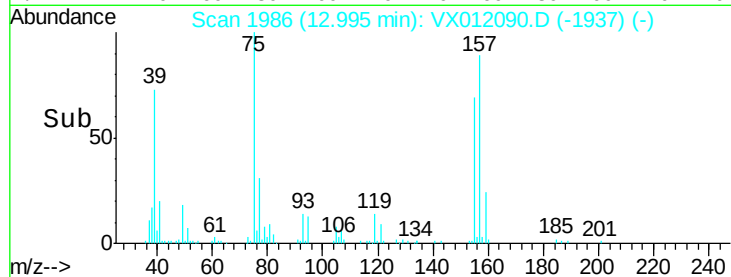
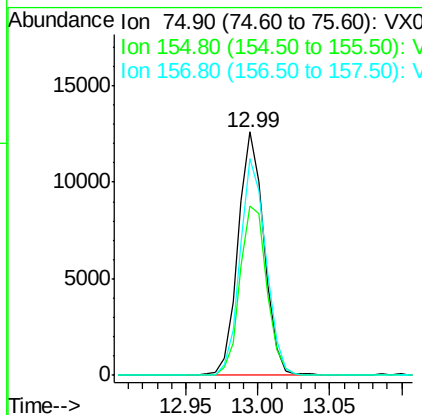
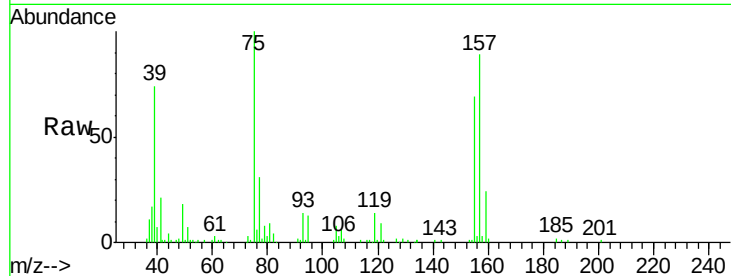
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	15837
Ion	Ratio	Lower	Upper
75	100		
155	71.0	51.7	155.2
157	87.9	66.9	200.7

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 47.031 ug/l

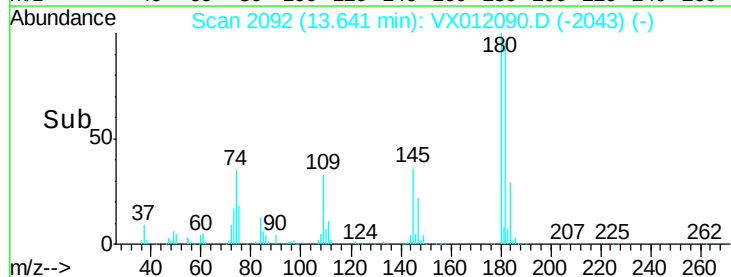
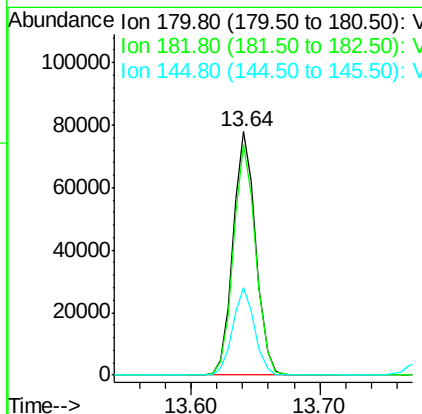
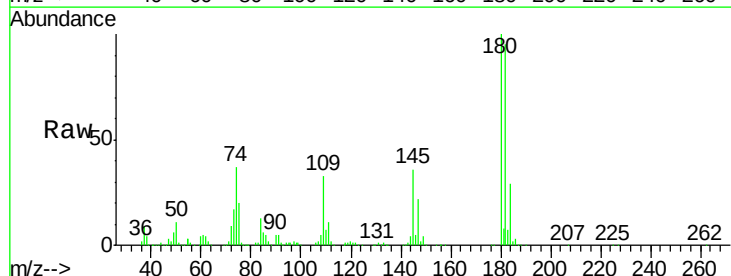
RT: 13.64 min Scan# 2092

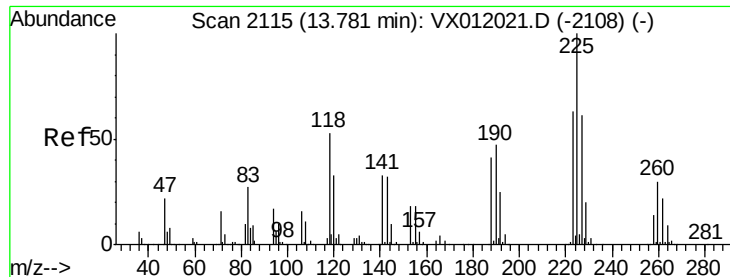
Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Tgt Ion:	180	Resp:	95145
Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	34.7	13.7	41.0





#94

Hexachlorobutadiene

Concen: 44.524 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VX012090.D

Acq: 05 Sep 2019 09:52

Instrument :

MSVOA_X

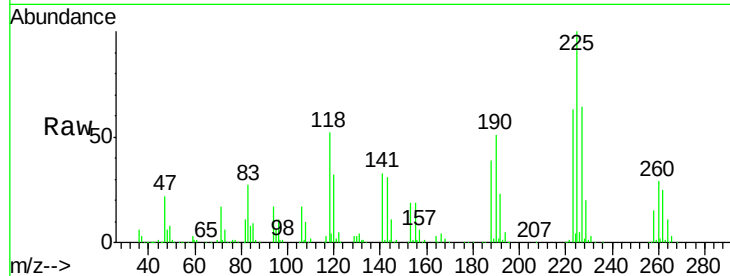
ClientSampleId :

VSTDCCC050EC

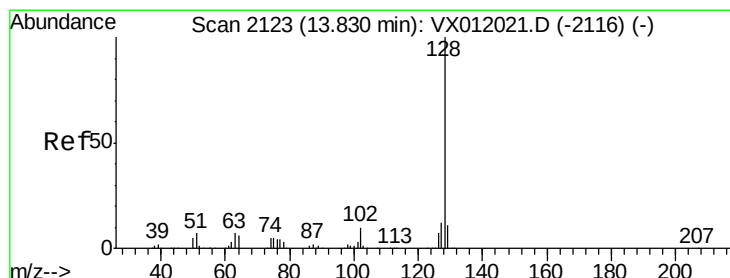
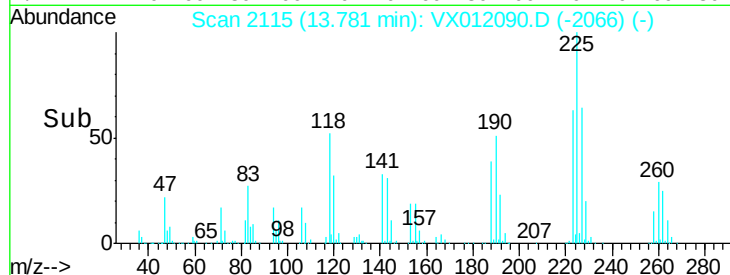
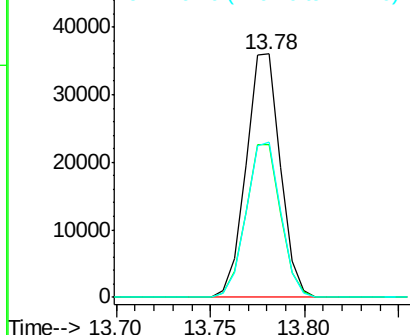
Tot Ion:	225	Resp:	45404
Ion Ratio		Lower	Upper
225	100		
223	63.8	31.6	95.0
227	63.9	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:57:42 AM



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



#95

Naphthalene

Concen: 51.780 ug/l

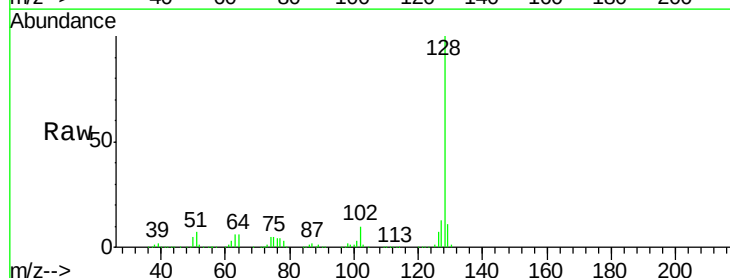
RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

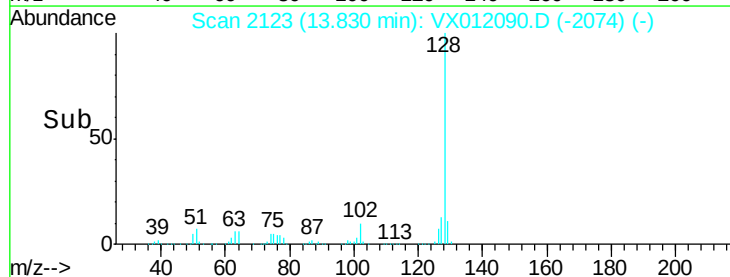
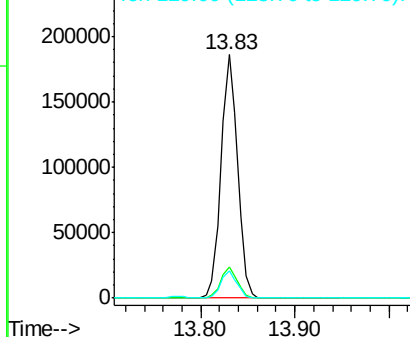
Lab File: VX012090.D

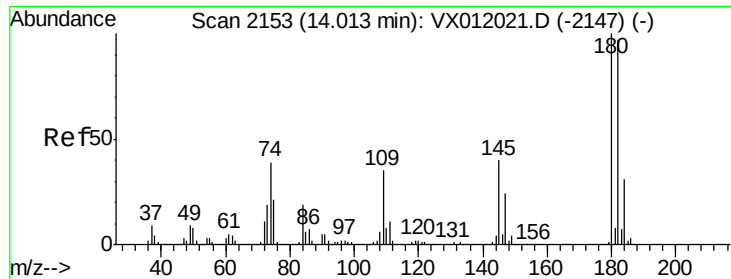
Acq: 05 Sep 2019 09:52

Tgt Ion:	128	Resp:	226710
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.5	15.7
129	11.0	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 49.430 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX012090.D
 Acq: 05 Sep 2019 09:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	37.5	14.1	42.4

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