

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012436.D
 Acq On : 17 Sep 2019 16:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 11:20:24 AM

Quant Time: Sep 18 03:39:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	128505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	119434	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	5.48	113	86714	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.71	98	324645	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	134604	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	57850	49.381	ug/l	96
3) Chloromethane	1.31	50	46562	48.229	ug/l	98
4) Vinyl Chloride	1.40	62	50630	48.521	ug/l	96
5) Bromomethane	1.62	94	18974	46.283	ug/l	93
6) Chloroethane	1.71	64	36344	44.509	ug/l	98
7) Trichlorofluoromethane	1.92	101	97567	51.007	ug/l	99
8) Diethyl Ether	2.17	74	40310	46.656	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	70392	50.862	ug/l	98
10) Methyl Iodide	2.50	142	50500	43.185	ug/l	99
11) Tert butyl alcohol	3.03	59	136001	212.198	ug/l	99
12) 1,1-Dichloroethene	2.36	96	54480	49.345	ug/l	97
13) Acrolein	2.28	56	44252	199.898	ug/l	97
14) Allyl chloride	2.72	41	125487	48.820	ug/l	98
15) Acrylonitrile	3.13	53	248933	228.247	ug/l	99
16) Acetone	2.43	43	266604	231.234	ug/l	100
17) Carbon Disulfide	2.56	76	72531	46.581	ug/l	98
18) Methyl Acetate	2.76	43	119585	45.598	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	290266	48.219	ug/l	99
20) Methylene Chloride	2.84	84	72165	47.378	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	56490	49.272	ug/l	90
22) Diisopropyl ether	3.84	45	288076	47.866	ug/l	95
23) Vinyl Acetate	3.80	43	1226452	247.729	ug/l	99
24) 1,1-Dichloroethane	3.68	63	141648	49.191	ug/l	98
25) 2-Butanone	4.65	43	383530	219.685	ug/l	99
26) 2,2-Dichloropropane	4.56	77	136966	48.364	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	83549	48.783	ug/l	98
28) Bromochloromethane	5.00	49	67657	45.575	ug/l	97
29) Tetrahydrofuran	5.11	42	223931	232.183	ug/l	100
30) Chloroform	5.20	83	155061	46.887	ug/l	98
31) Cyclohexane	5.56	56	89119	51.269	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	134571	48.686	ug/l	100
36) 1,1-Dichloropropene	5.78	75	87444	49.655	ug/l	97
37) Ethyl Acetate	4.81	43	134650	49.811	ug/l	99
38) Carbon Tetrachloride	5.77	117	111094	50.722	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	91839	53.645	ug/l	98
40) Benzene	6.13	78	281290	50.230	ug/l	95
41) Methacrylonitrile	5.03	41	81528	46.839	ug/l	98
42) 1,2-Dichloroethane	6.18	62	126561	48.727	ug/l	99
43) Isopropyl Acetate	6.43	43	236035	48.649	ug/l	100
44) Trichloroethene	7.20	130	75481	51.239	ug/l	98
45) 1,2-Dichloropropane	7.50	63	83264	48.396	ug/l	99
46) Dibromomethane	7.65	93	54536	48.983	ug/l	99
47) Bromodichloromethane	7.89	83	125133	50.477	ug/l	97
48) Methyl methacrylate	7.76	41	110498	48.314	ug/l	99
49) 1,4-Dioxane	7.73	88	47626	855.612	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	753052	236.680	ug/l	100
52) Toluene	8.78	92	184712	51.188	ug/l	98
53) t-1,3-Dichloropropene	9.03	75	134047	52.019	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	138438	51.892	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	89229	47.996	ug/l	95
56) Ethyl methacrylate	9.17	69	143094	49.230	ug/l	99
57) 1,3-Dichloropropane	9.36	76	145130	48.928	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	382479	254.207	ug/l	99
59) 2-Hexanone	9.48	43	583939	235.243	ug/l	99
60) Dibromochloromethane	9.57	129	99292	52.434	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86122	50.723	ug/l	98
64) Tetrachloroethene	9.33	164	62179	52.612	ug/l	98
65) Chlorobenzene	10.14	112	216789	50.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	91546	51.819	ug/l	99
67) Ethyl Benzene	10.25	91	376605	51.495	ug/l	99
68) m/p-Xylenes	10.35	106	280144	105.279	ug/l	99
69) o-Xylene	10.70	106	141660	51.766	ug/l	99
70) Styrene	10.71	104	256109	52.895	ug/l	99
71) Bromoform	10.85	173	69690	46.055	ug/l #	100
73) Isopropylbenzene	11.01	105	404422	50.158	ug/l	100
74) N-amyl acetate	10.89	43	214619	49.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	150550	47.599	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	144495m	48.951	ug/l	
77) Bromobenzene	11.25	156	97361	49.512	ug/l	100
78) n-propylbenzene	11.35	91	461883	51.398	ug/l	99
79) 2-Chlorotoluene	11.42	91	286614	49.026	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	358236	52.097	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48299	45.235	ug/l	98
82) 4-Chlorotoluene	11.51	91	341054	50.830	ug/l	100
83) tert-Butylbenzene	11.76	119	368455	50.005	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	360074	50.999	ug/l	100
85) sec-Butylbenzene	11.94	105	422872	52.082	ug/l	99
86) p-Isopropyltoluene	12.06	119	395083	52.991	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	188654	51.002	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	193785	51.001	ug/l	98
89) n-Butylbenzene	12.38	91	348534	52.393	ug/l	100
90) Hexachloroethane	12.59	117	71966	52.643	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	192936	49.905	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40951	49.941	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	132030	53.019	ug/l	98
94) Hexachlorobutadiene	13.77	225	61383	52.300	ug/l	99
95) Naphthalene	13.83	128	463925	52.358	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	135921	53.563	ug/l	100

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

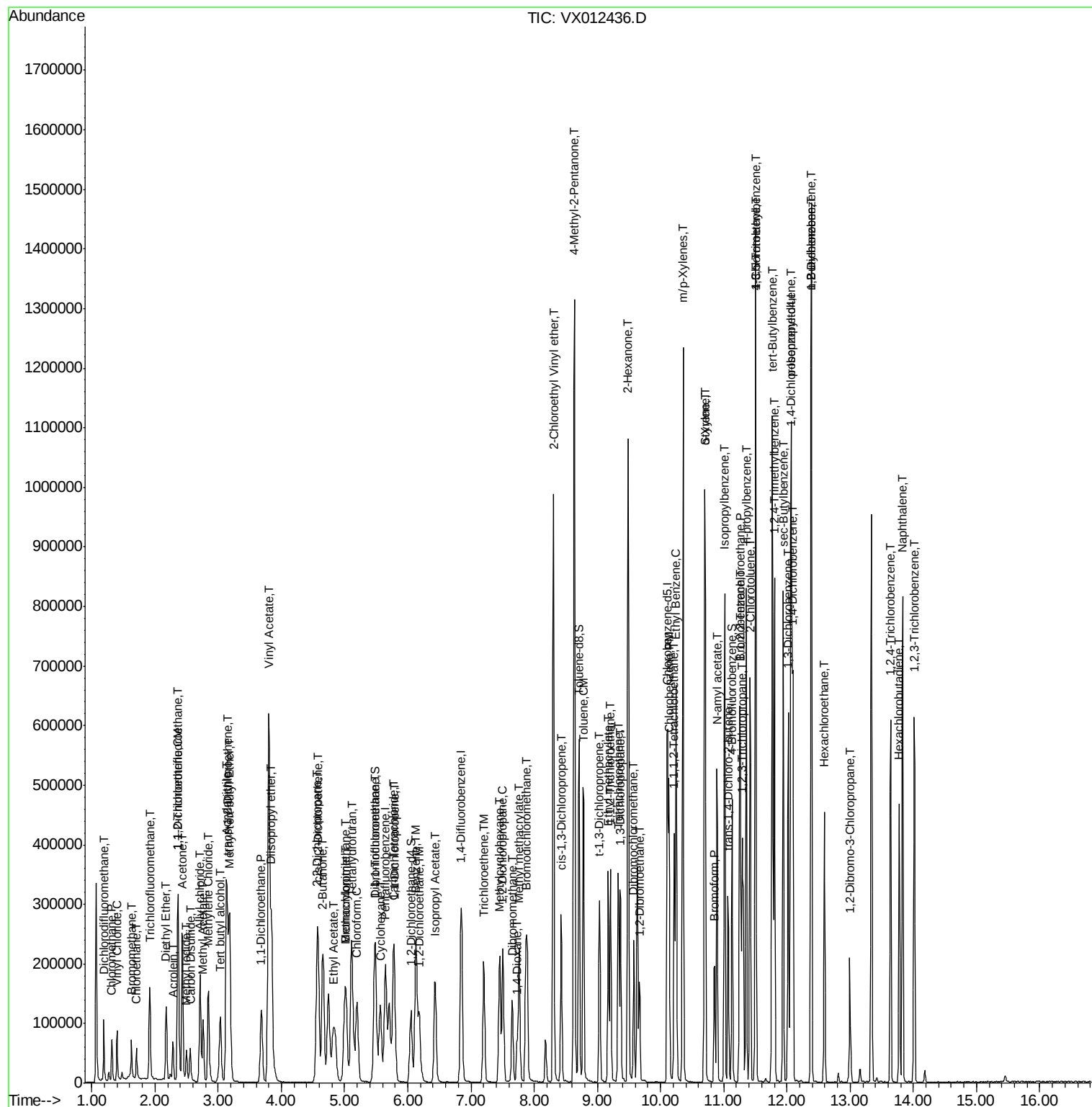
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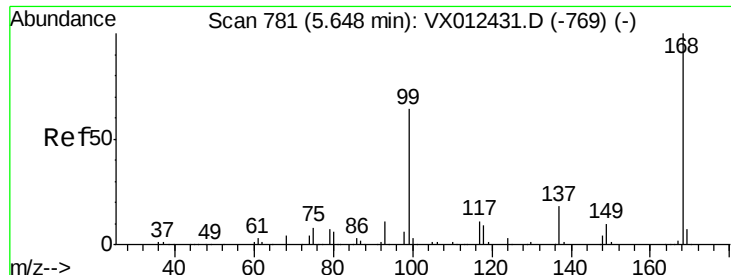
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 175608

Ion Ratio Lower Upper

168 100

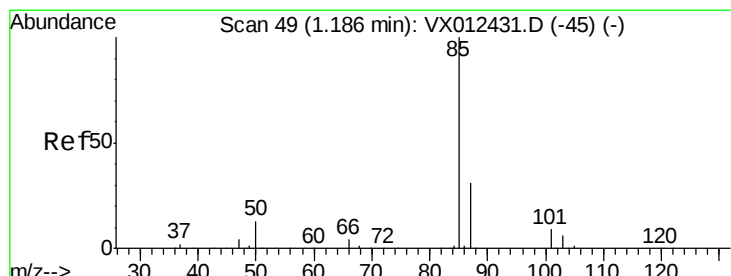
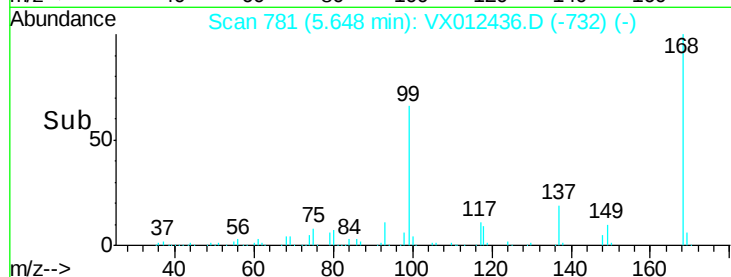
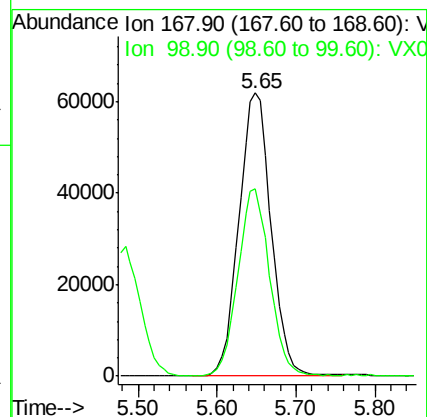
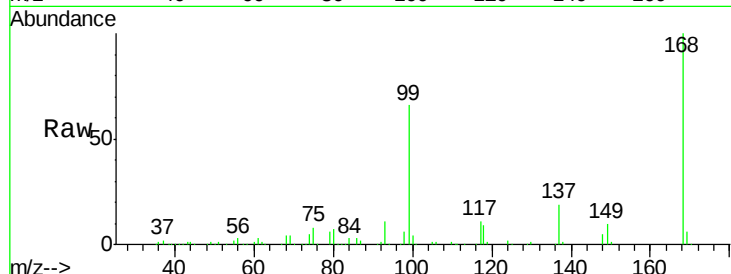
99 66.2 51.4 77.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.381 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012436.D

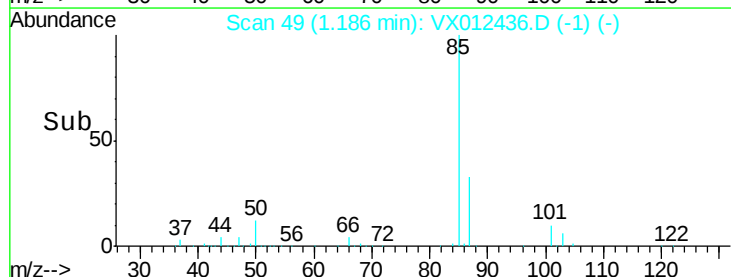
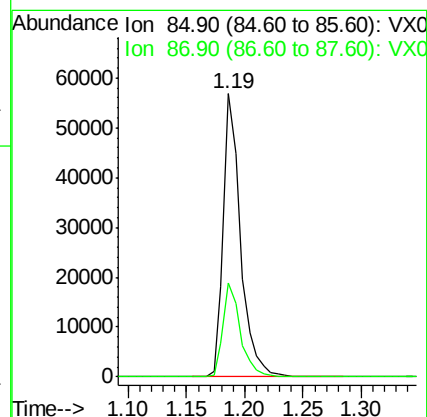
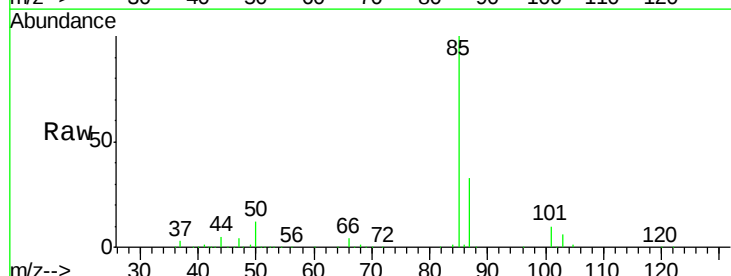
Acq: 17 Sep 2019 16:24

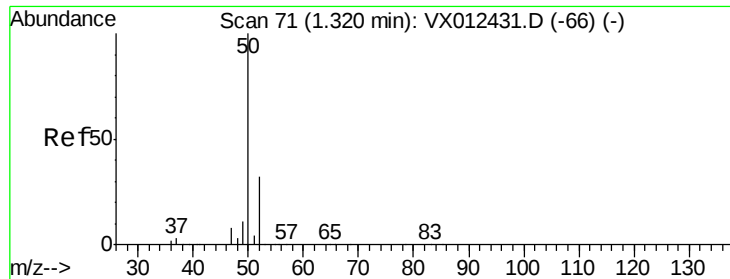
Tgt Ion: 85 Resp: 57850

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8





#3

Chloromethane

Concen: 48.229 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 46562

Ion Ratio Lower Upper

50 100

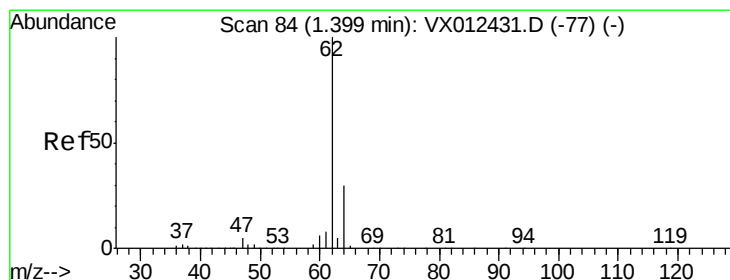
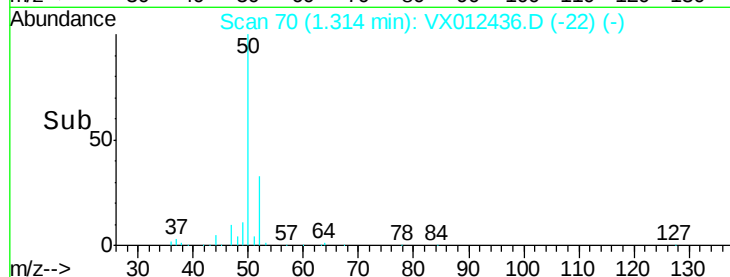
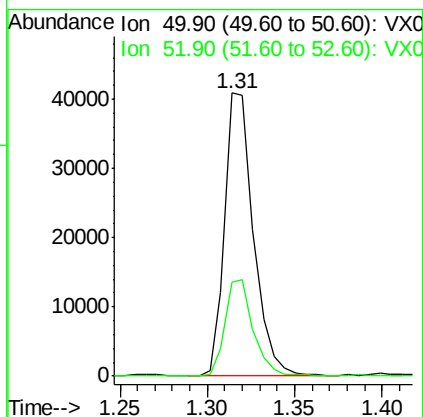
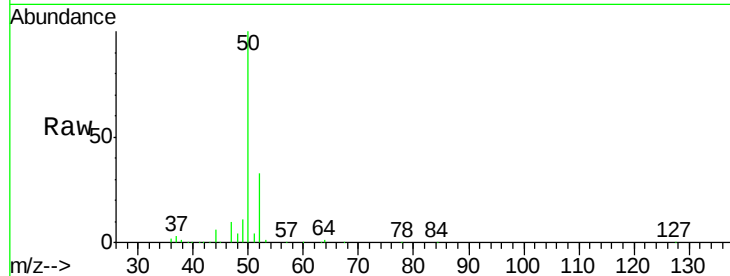
52 33.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.521 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012436.D

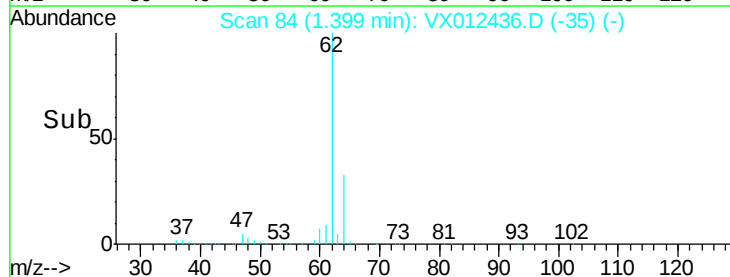
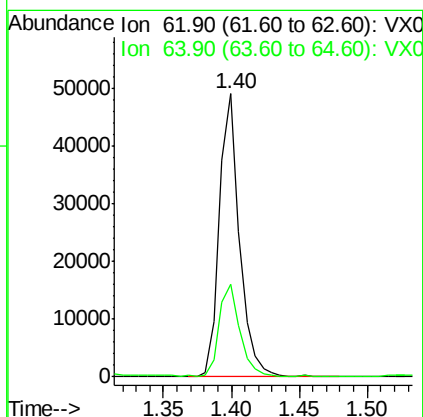
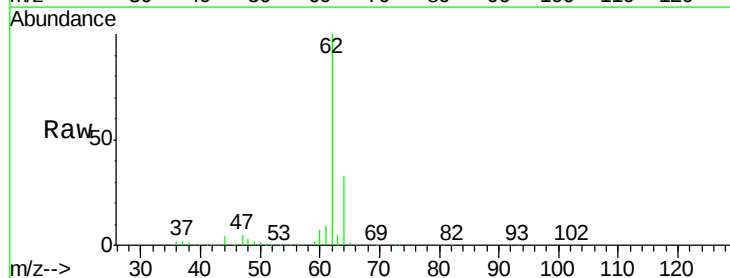
Acq: 17 Sep 2019 16:24

Tgt Ion: 62 Resp: 50630

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.2





#5

Bromomethane

Concen: 46.283 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 18974

Ion Ratio Lower Upper

94 100

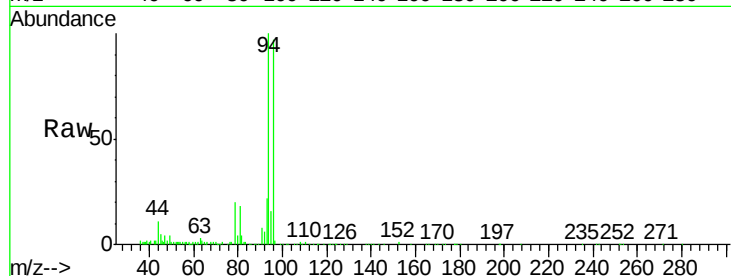
96 97.4 72.8 109.2

Manual Integrations

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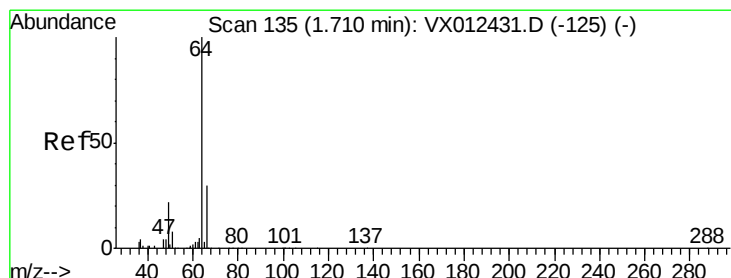
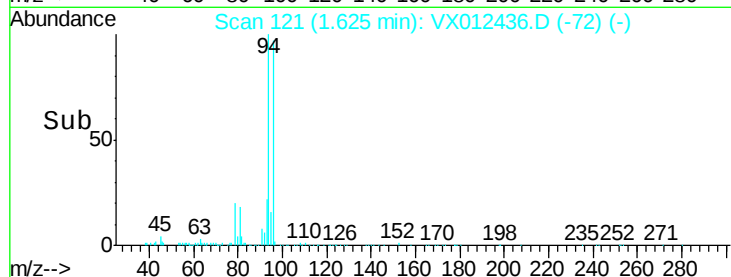
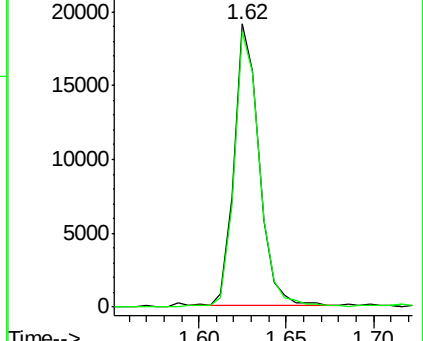
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.509 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012436.D

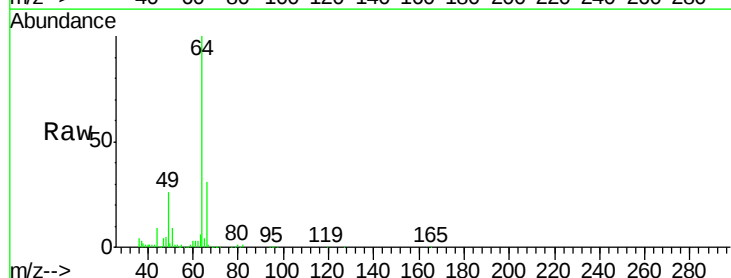
Acq: 17 Sep 2019 16:24

Tgt Ion: 64 Resp: 36344

Ion Ratio Lower Upper

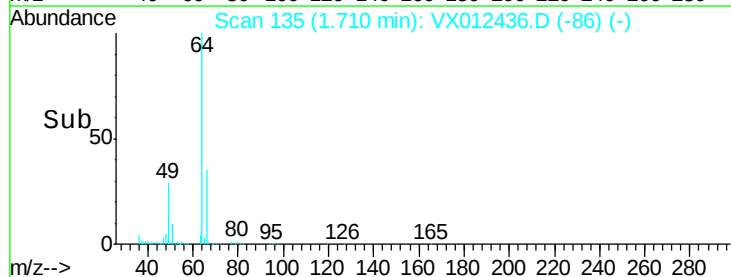
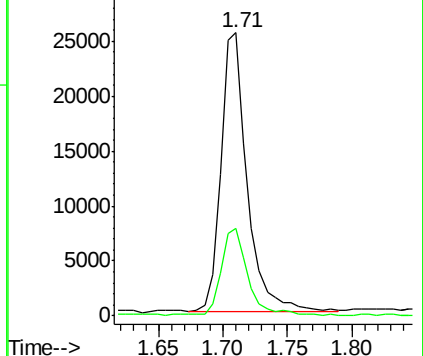
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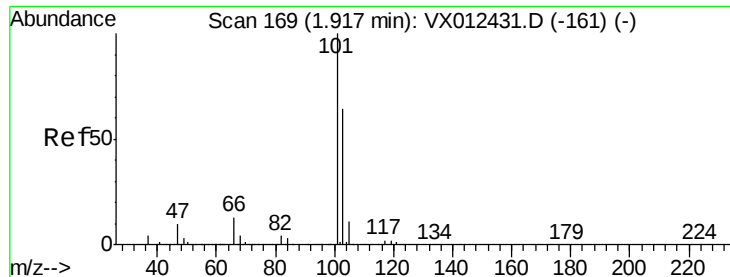
66 31.2 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

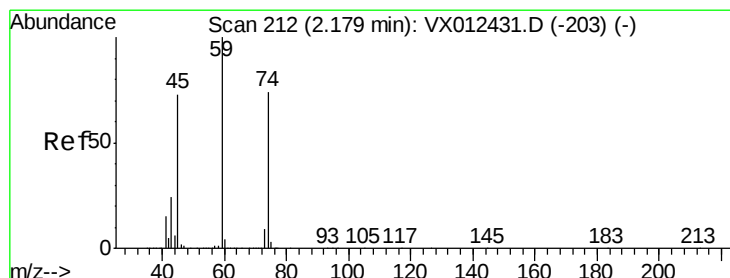
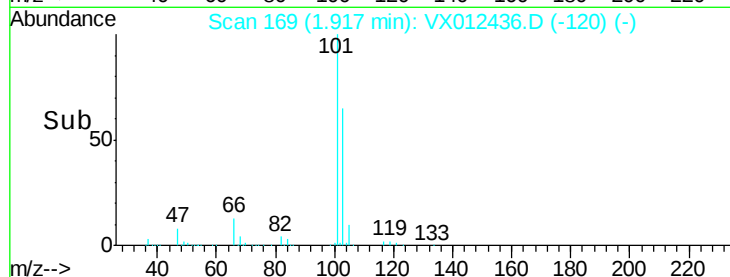
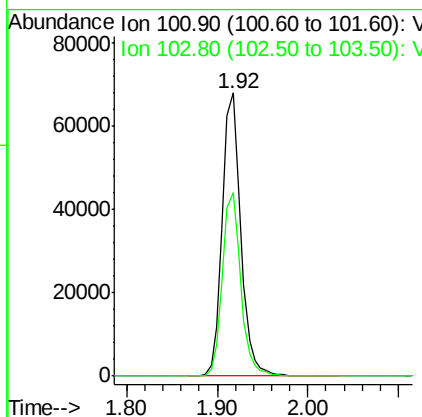
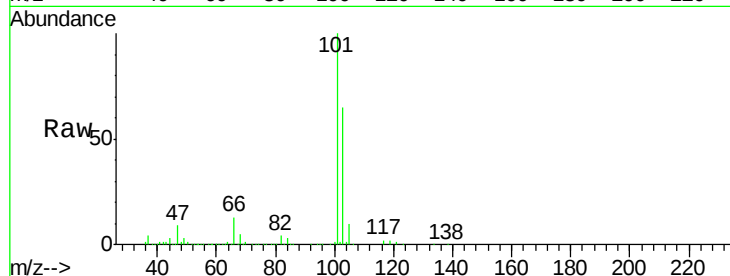
Trichlorofluoromethane
Concen: 51.007 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.4

Manual Integrations
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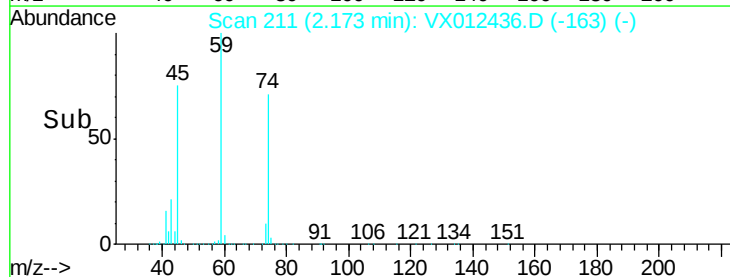
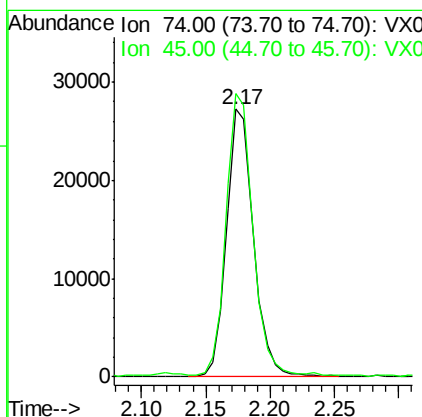
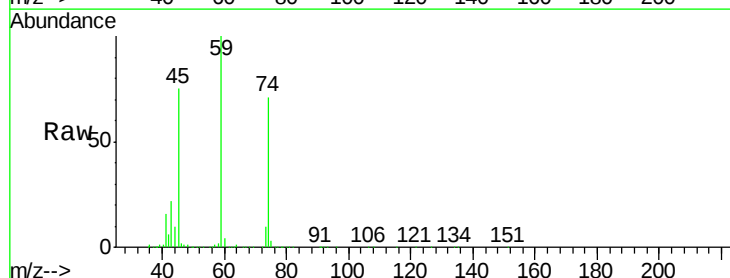
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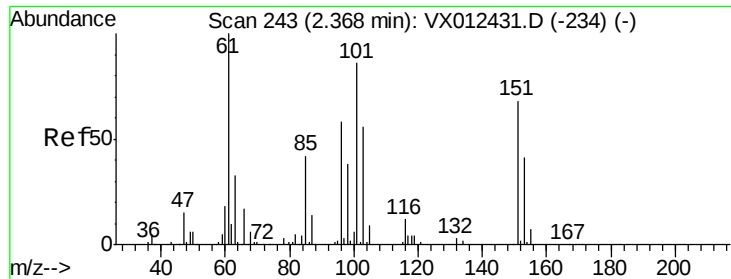


#8

Diethyl Ether
Concen: 46.656 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.862 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012436.D

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MSVOA_X

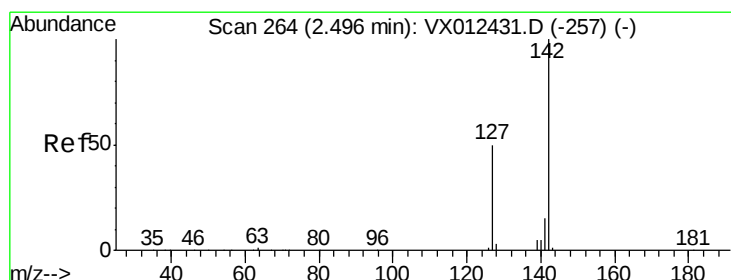
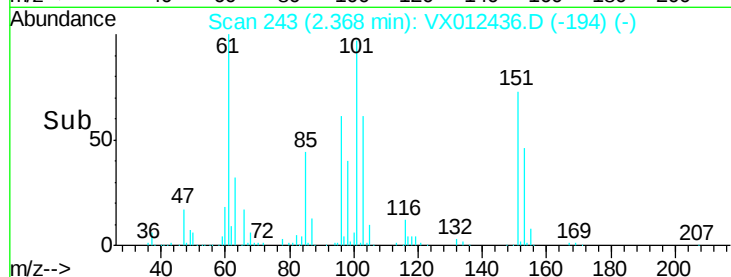
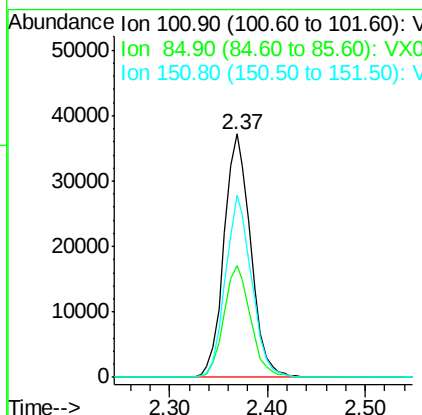
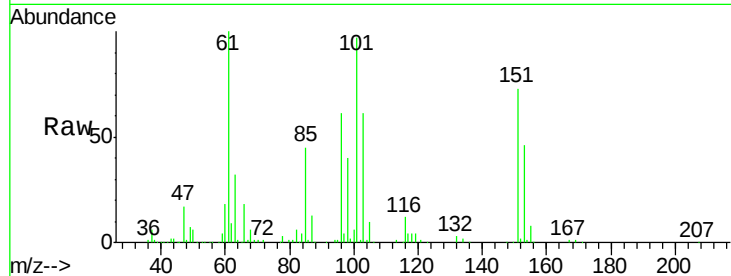
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	70392
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.3	55.9
151	73.4	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 43.185 ug/l

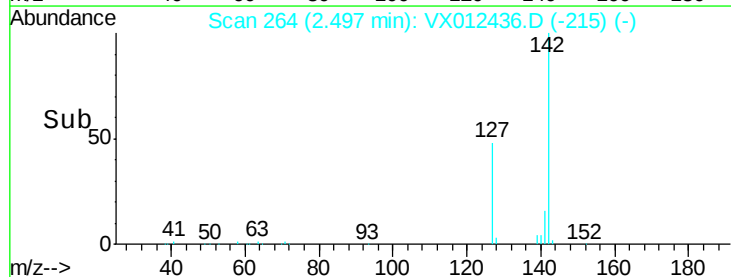
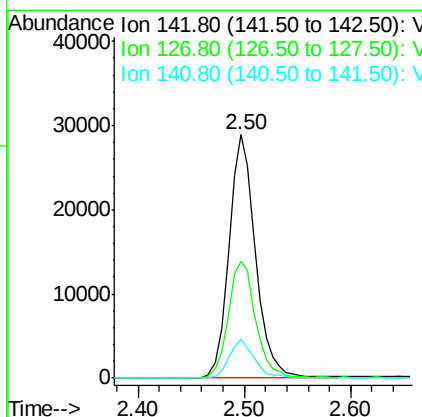
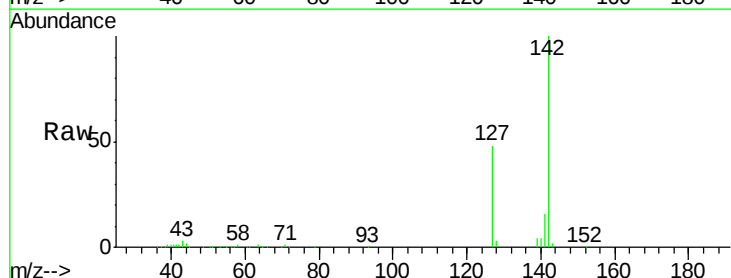
RT: 2.50 min Scan# 264

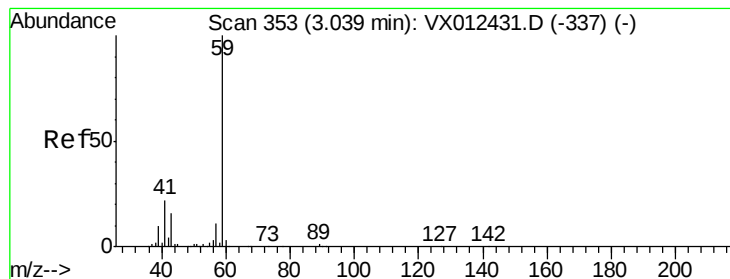
Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:	142	Resp:	50500
Ion Ratio	Lower	Upper	
142	100		
127	50.1	40.8	61.2
141	15.1	12.1	18.1





#11

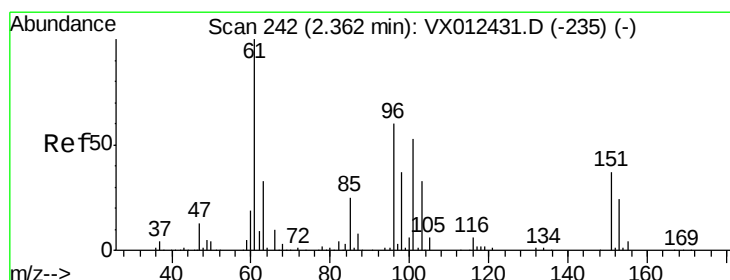
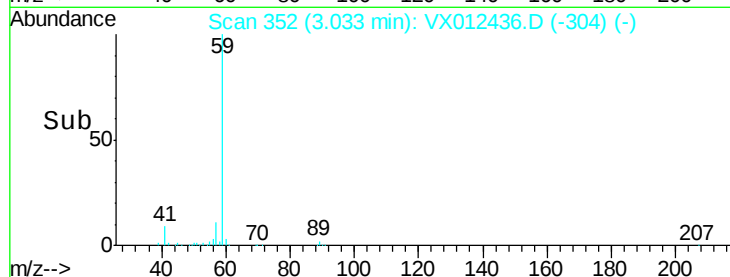
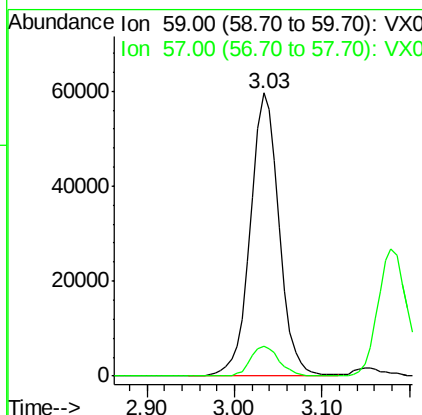
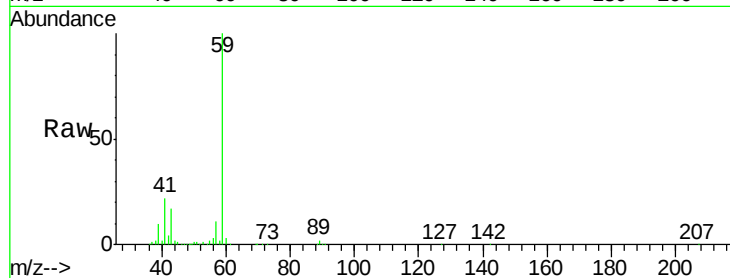
Tert butyl alcohol
Concen: 212.198 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	136001
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

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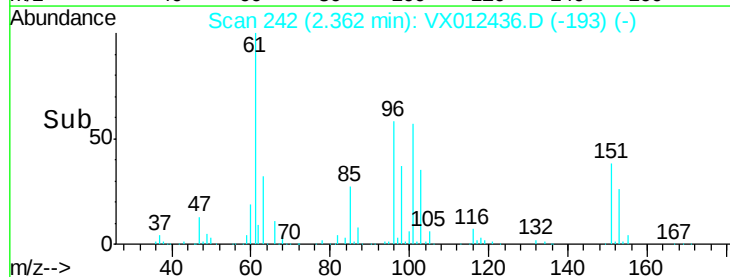
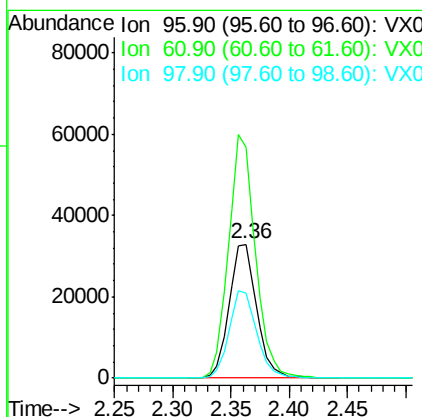
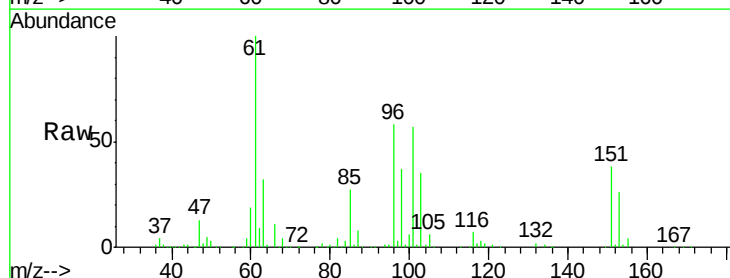
MMDadoda
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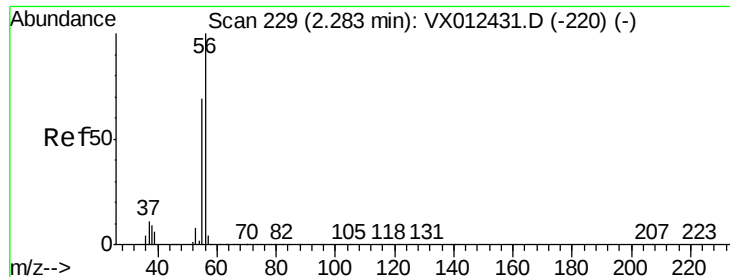


#12

1,1-Dichloroethene
Concen: 49.345 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	96	Resp	54480
Ion Ratio	100	Lower	Upper
61	172.6	133.8	200.6
98	63.8	49.9	74.9





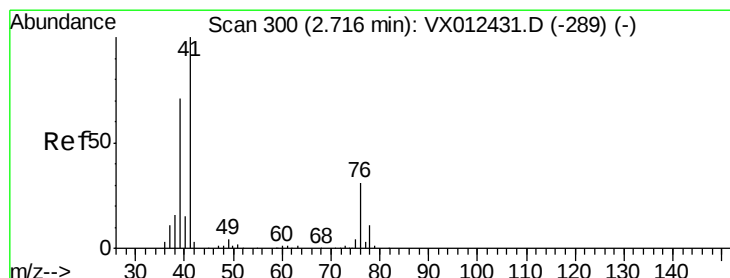
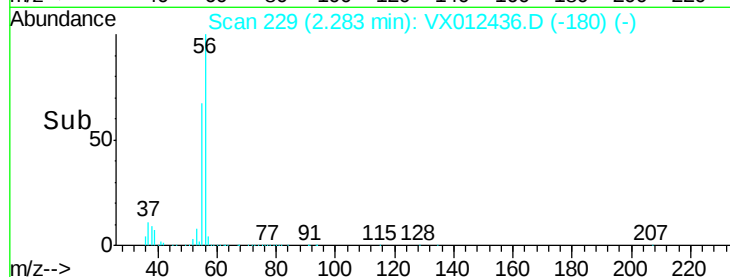
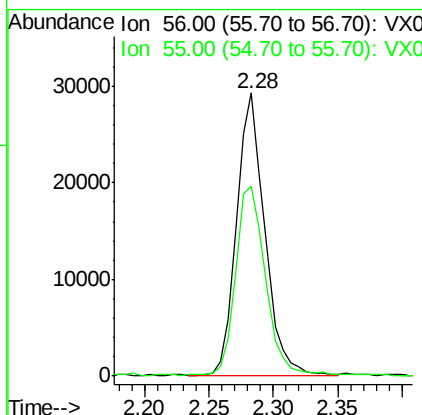
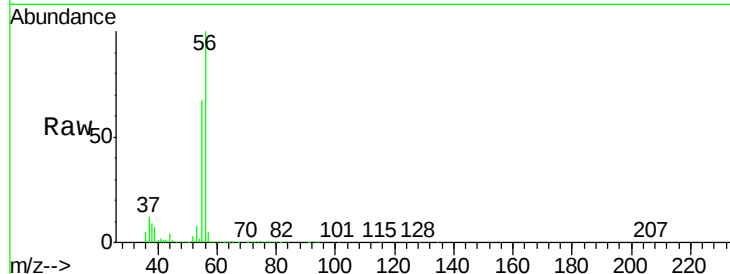
#13
Acrolein
Concen: 199.898 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	44252
Ion Ratio	100	Lower	Upper
55	72.3	55.8	83.8

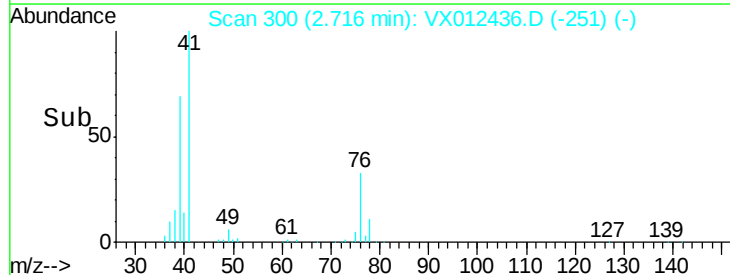
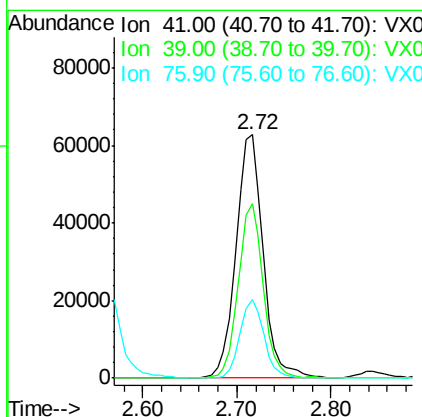
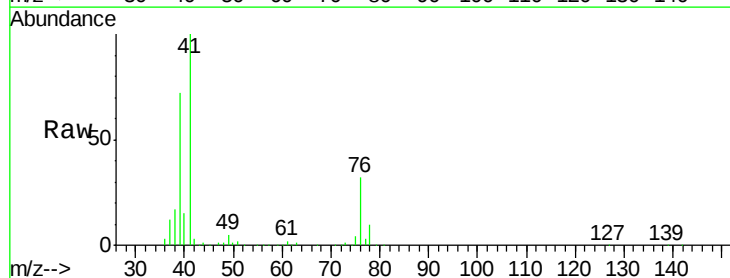
Manual Integrations
APPROVED

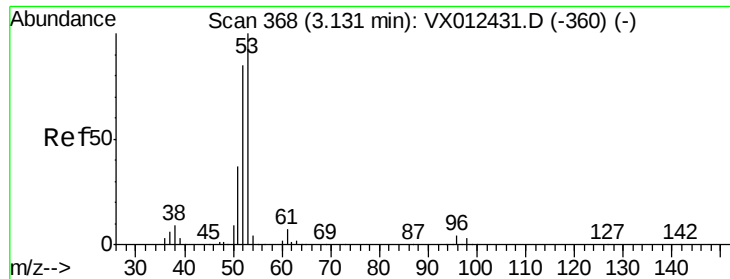
MMDadoda
9/18/2019 11:20:24 AM



#14
Allyl chloride
Concen: 48.820 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	41	Resp	125487
Ion Ratio	100	Lower	Upper
39	66.4	51.3	76.9
76	28.8	22.6	33.8





#15

Acrylonitrile

Concen: 228.247 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

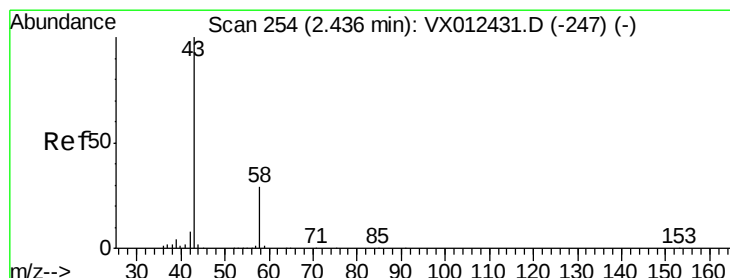
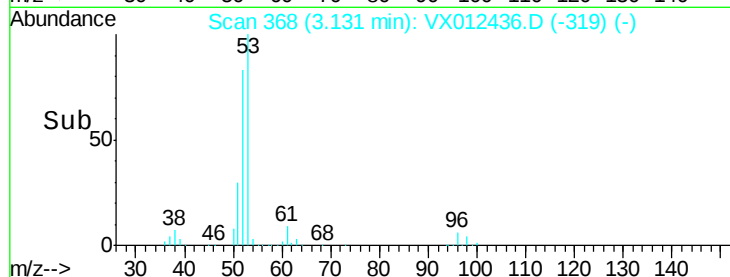
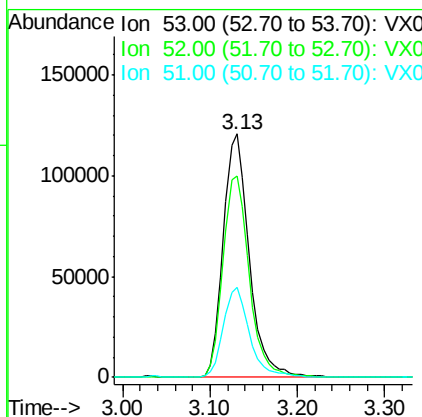
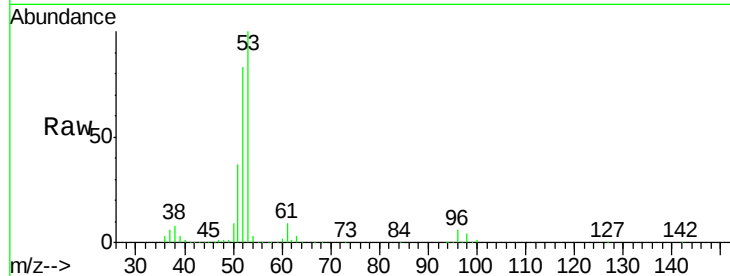
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	248933
Ion Ratio	Lower	Upper	
53	100		
52	84.6	67.0	100.4
51	37.4	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 231.234 ug/l

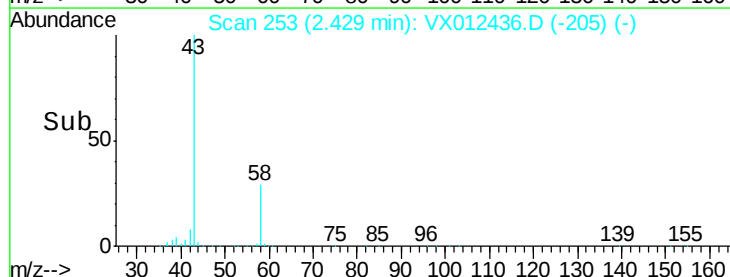
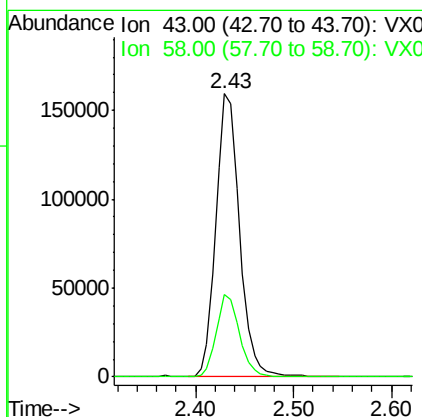
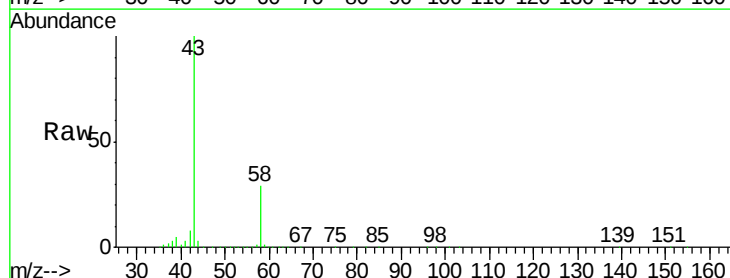
RT: 2.43 min Scan# 253

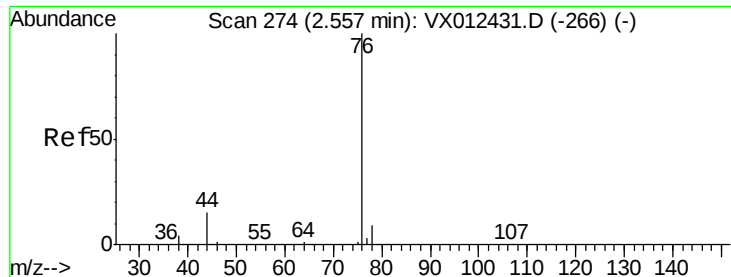
Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:	43	Resp:	266604
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.3	34.9





#17

Carbon Disulfide

Concen: 46.581 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 72531

Ion Ratio Lower Upper

76 100

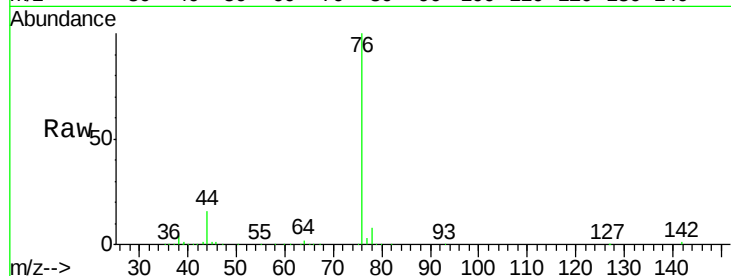
78 8.4 7.3 10.9

Manual Integrations

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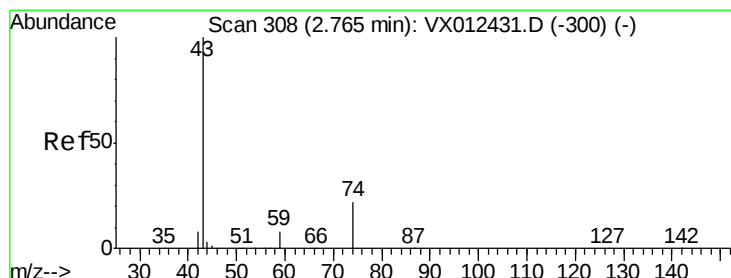
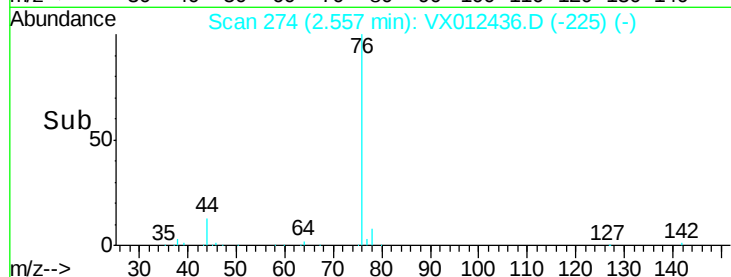
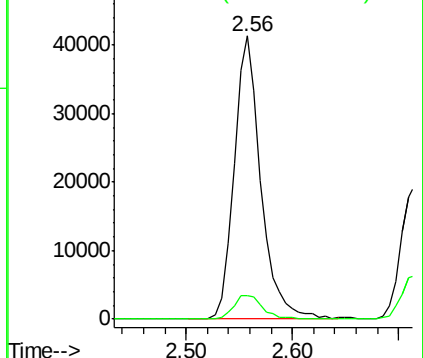
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 45.598 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012436.D

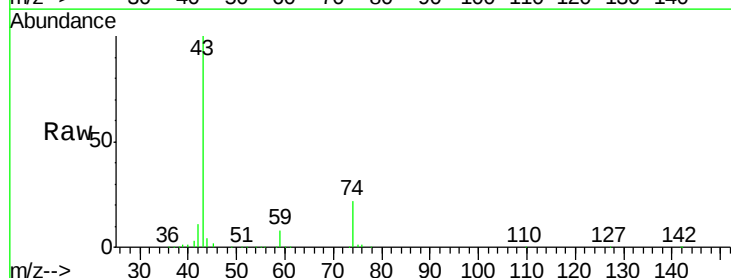
Acq: 17 Sep 2019 16:24

Tgt Ion: 43 Resp: 119585

Ion Ratio Lower Upper

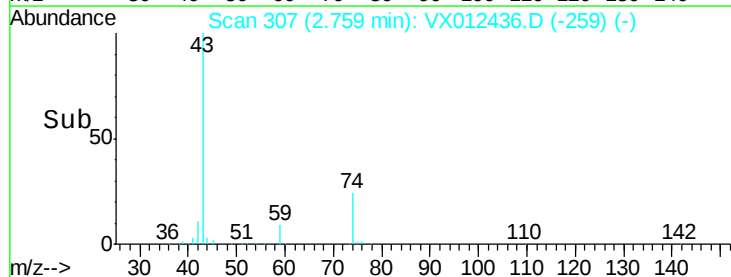
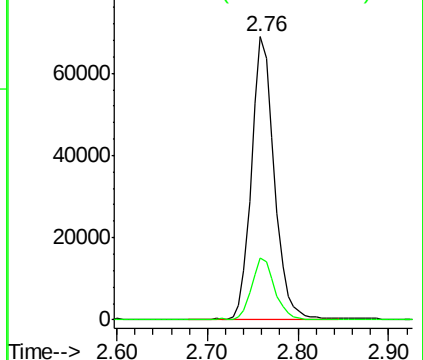
43 100

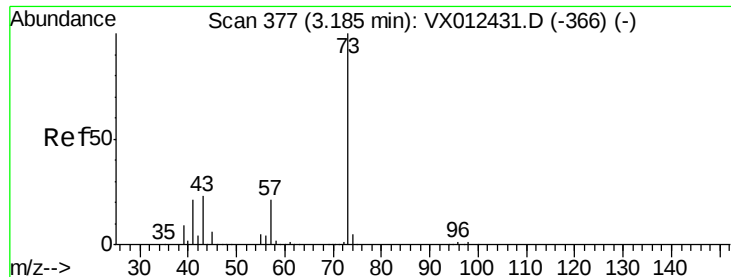
74 22.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





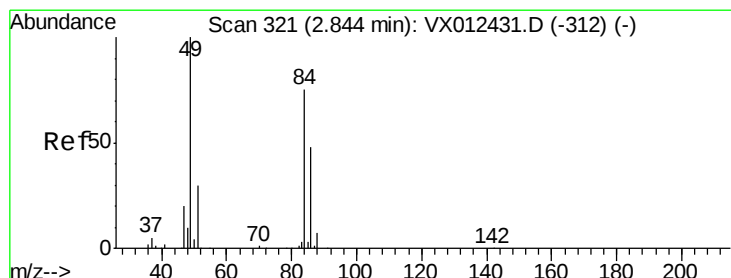
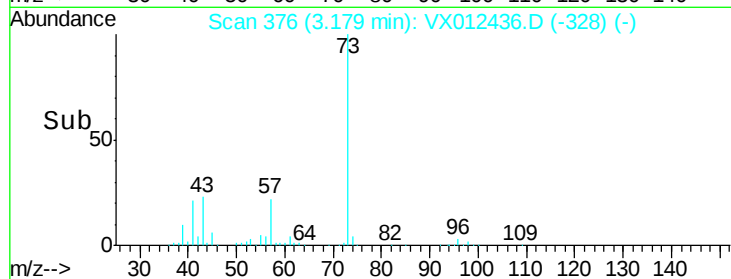
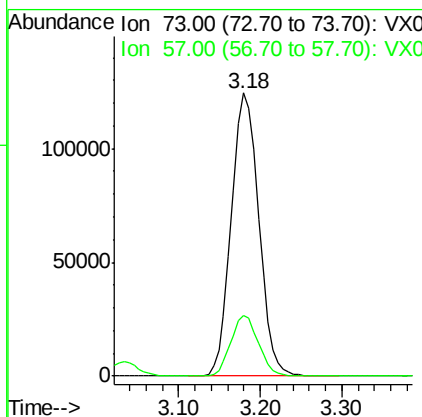
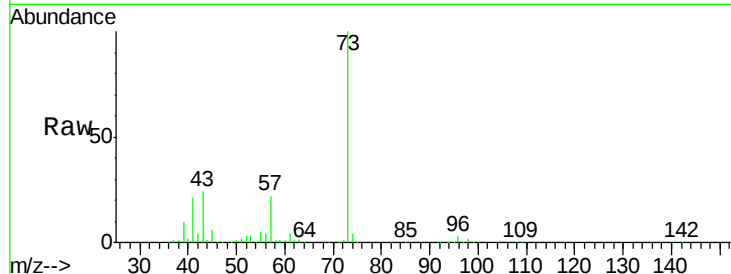
#19
Methvl tert-butvl Ether
Concen: 48.219 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 290266
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2

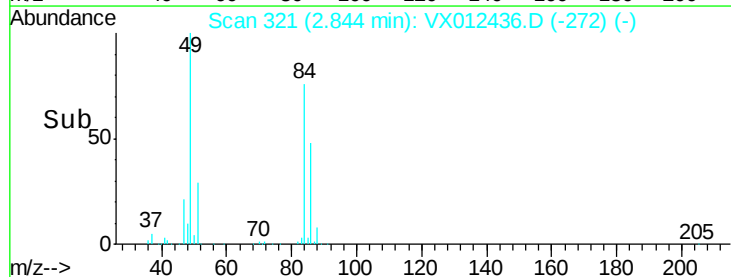
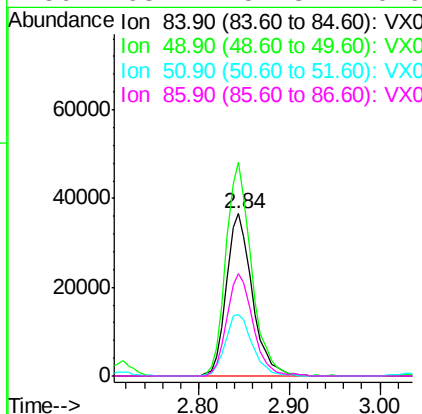
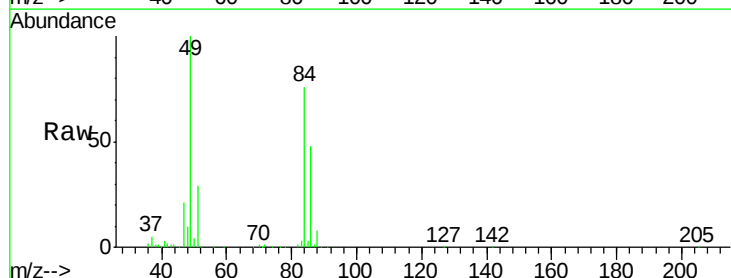
Manual Integrations
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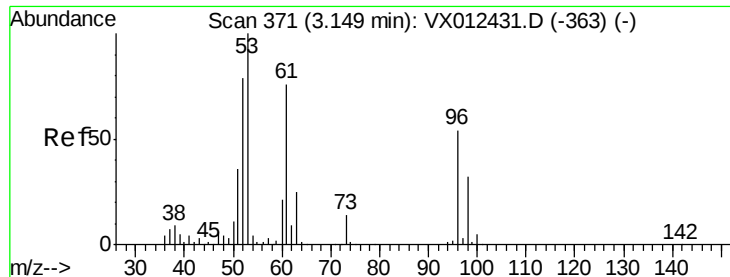
MMDadoda
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#20
Methylene Chloride
Concen: 47.378 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 84 Resp: 72165
Ion Ratio Lower Upper
84 100
49 131.6 106.8 160.2
51 38.2 32.3 48.5
86 63.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.272 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

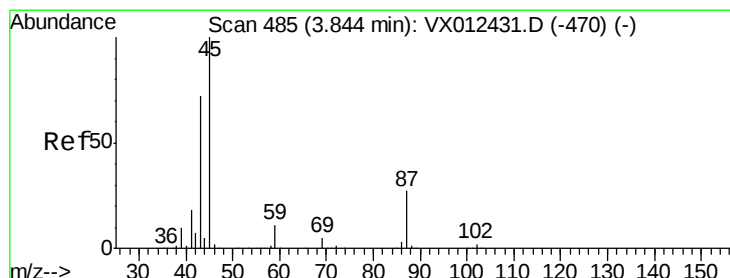
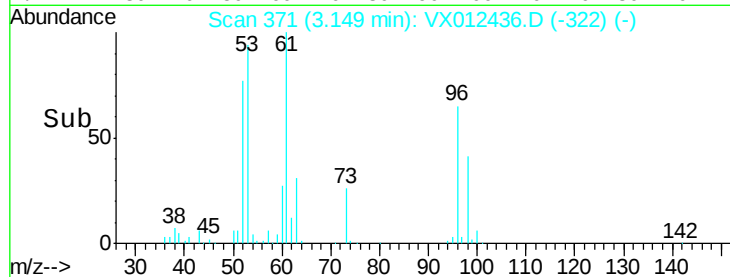
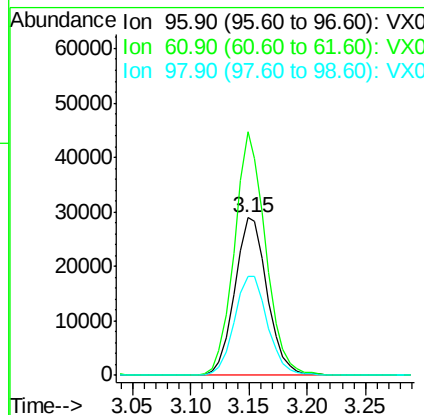
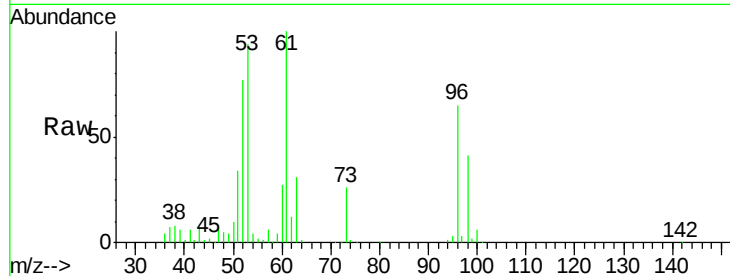
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	56490
Ion	Ratio	Lower	Upper
96	100		
61	154.3	112.0	168.0
98	63.0	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.866 ug/l

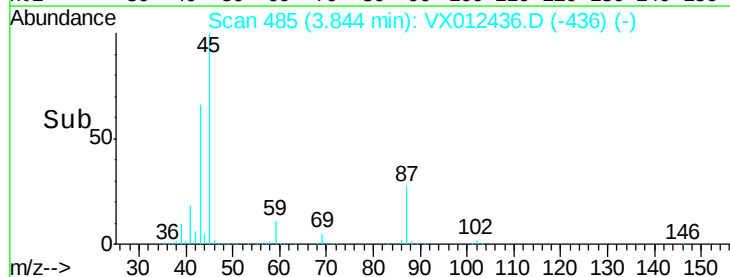
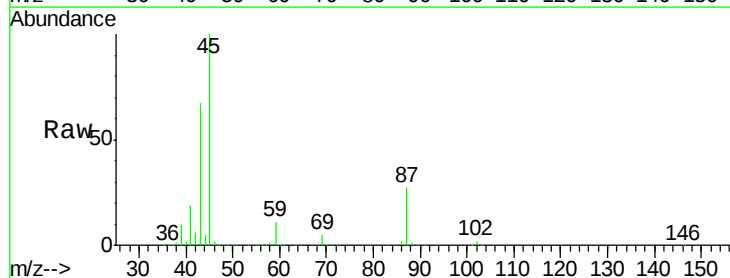
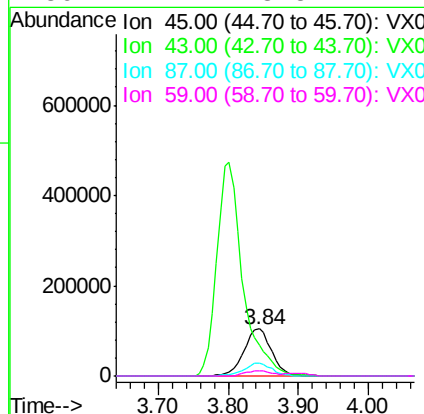
RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:	45	Resp:	288076
Ion	Ratio	Lower	Upper
45	100		
43	66.3	57.8	86.8
87	26.7	21.3	31.9
59	11.4	8.5	12.7





#23

Vinyl Acetate

Concen: 247.729 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1226452

Ion Ratio Lower Upper

43 100

86 10.3

7.8

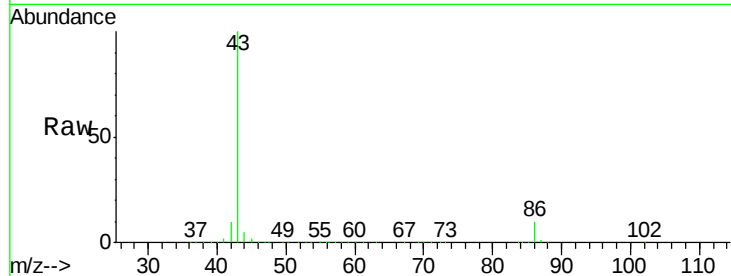
11.8

Manual Integrations

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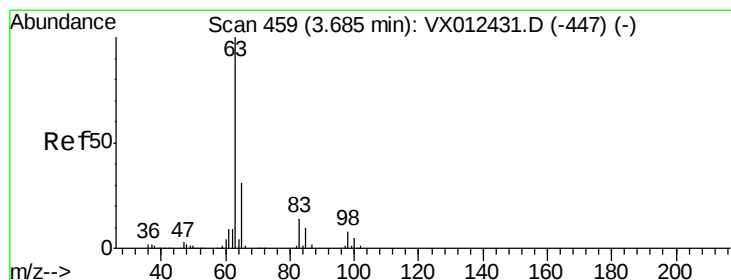
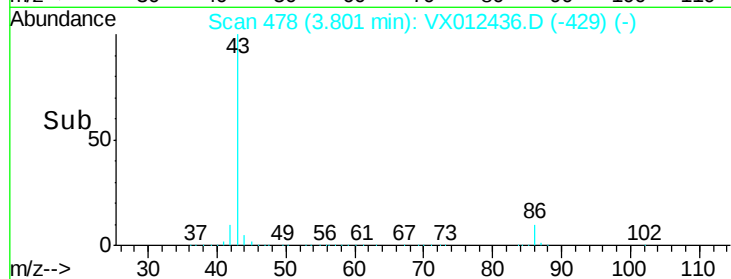
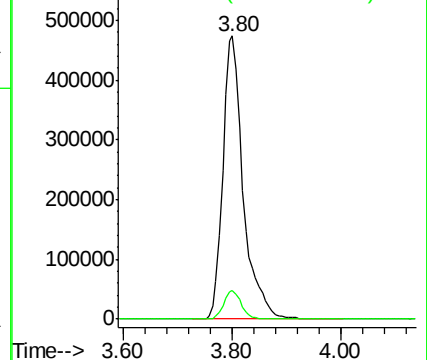
MMDadoda

9/18/2019 11:20:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.191 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion: 63 Resp: 141648

Ion Ratio Lower Upper

63 100

98 7.1

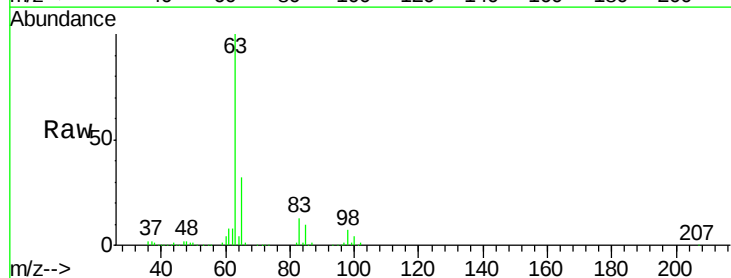
3.9

11.7

100 3.9

2.3

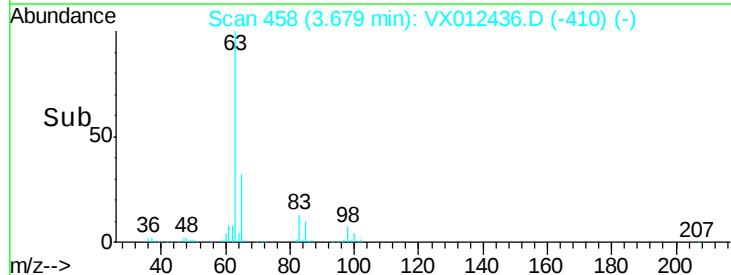
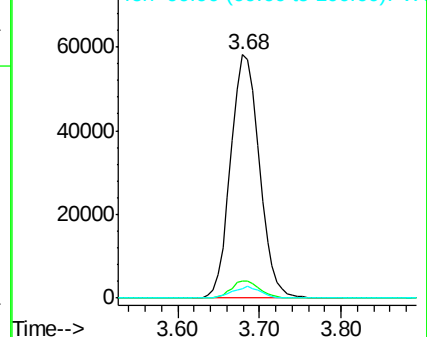
6.9

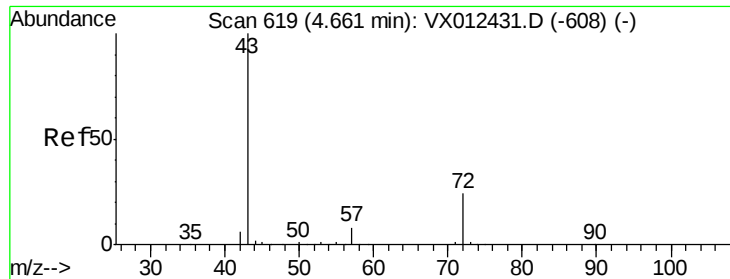


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 219.685 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 383530

Ion Ratio Lower Upper

43 100

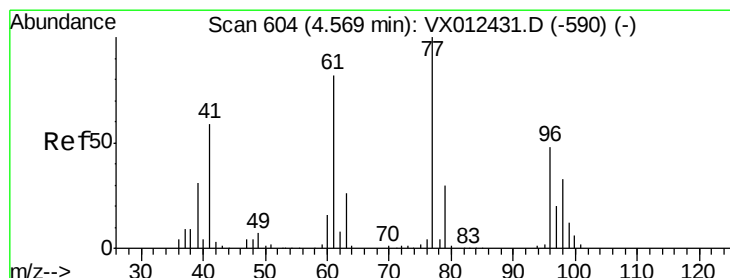
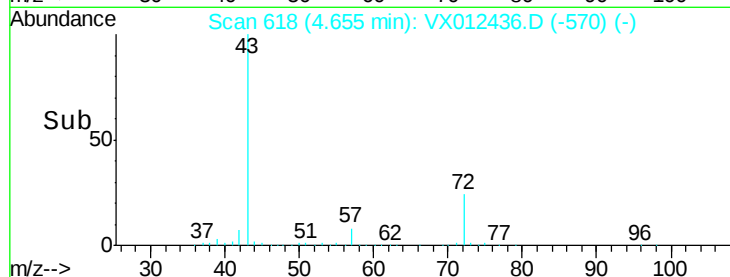
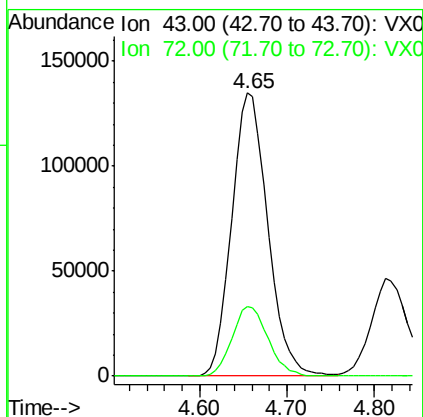
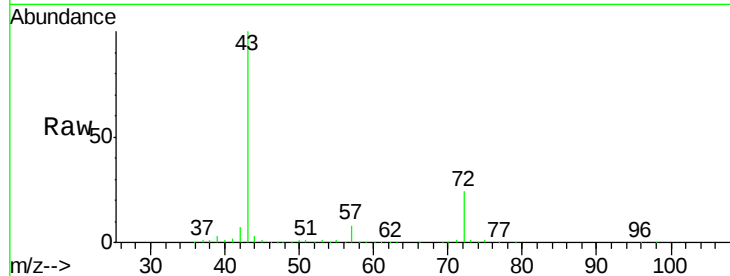
72 24.3 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.364 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012436.D

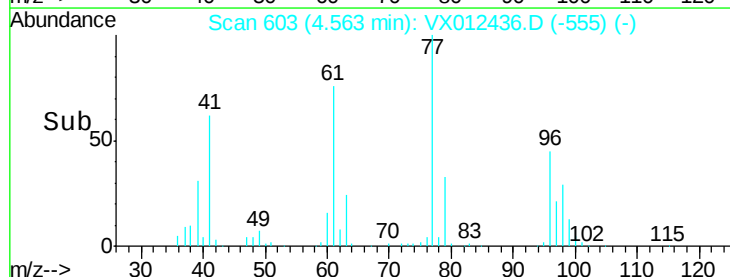
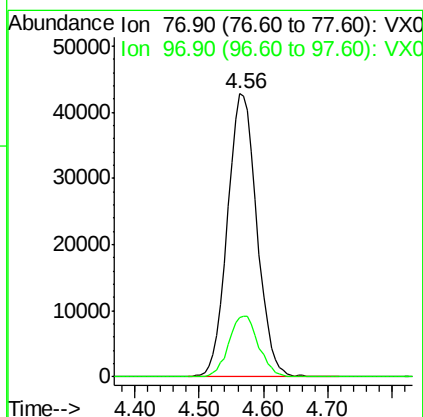
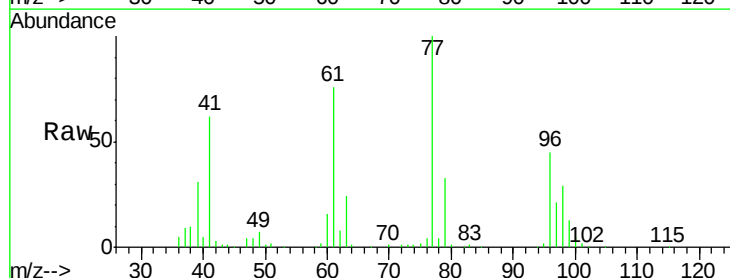
Acq: 17 Sep 2019 16:24

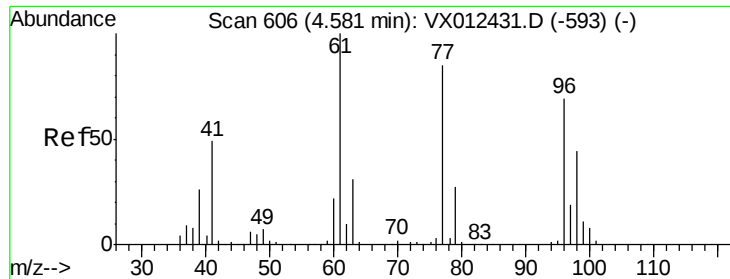
Tgt Ion: 77 Resp: 136966

Ion Ratio Lower Upper

77 100

97 21.7 10.5 31.6





#27

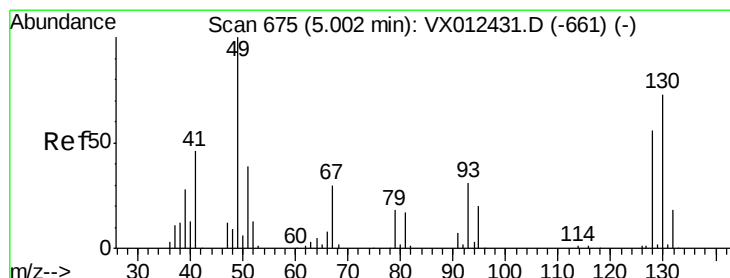
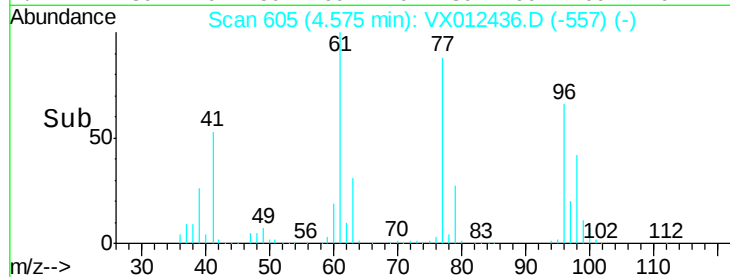
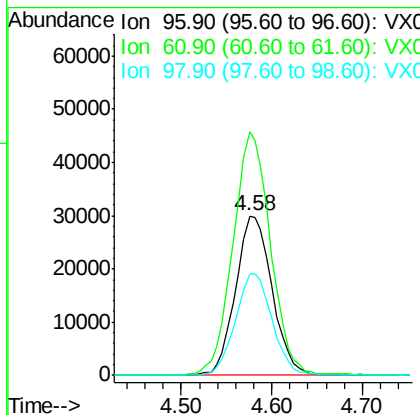
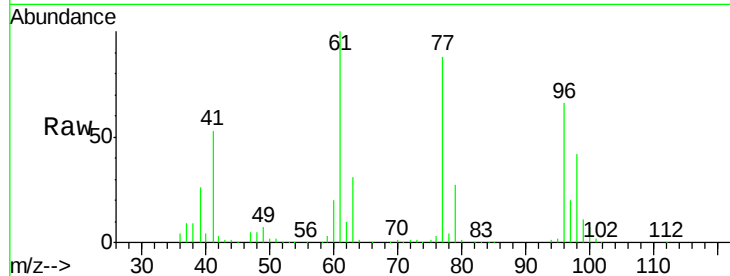
cis-1,2-Dichloroethene
 Concen: 48.783 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	319.4
98	64.2	0.0	130.6

Manual Integrations
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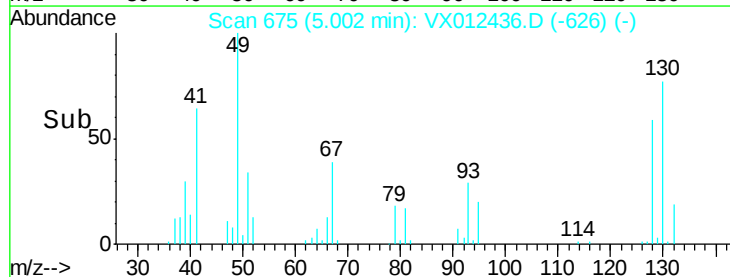
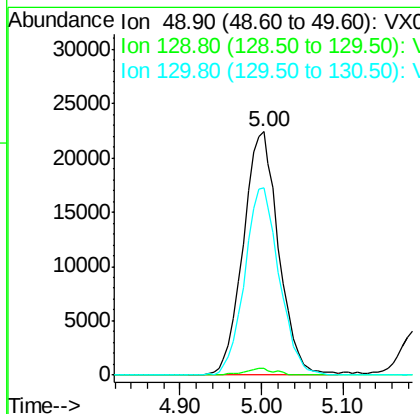
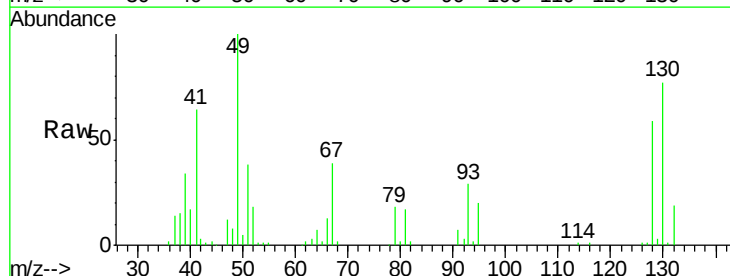
MMDadoda
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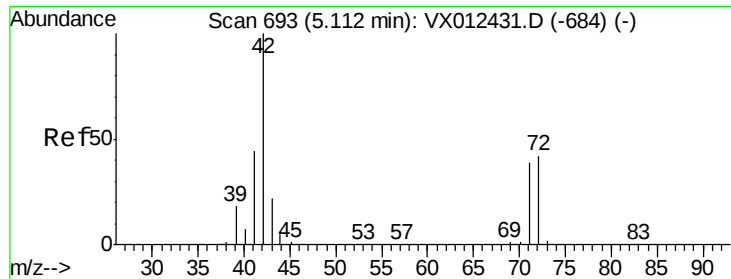


#28

Bromochloromethane
 Concen: 45.575 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	75.1	58.2	87.4





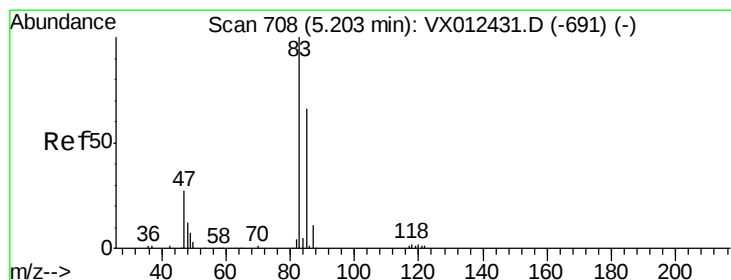
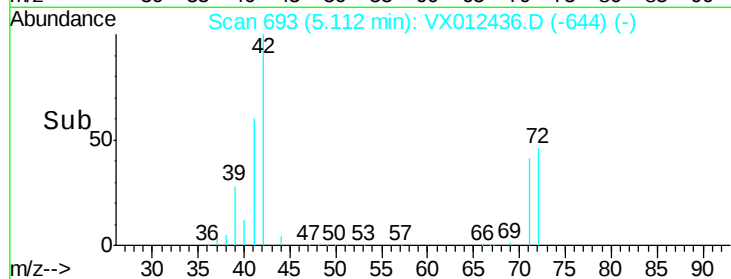
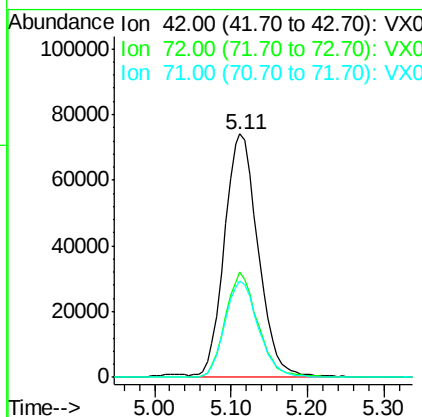
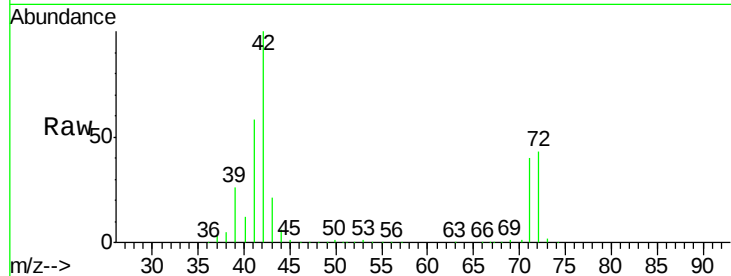
#29
Tetrahydrofuran
Concen: 232.183 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.0	51.0
71	39.4	31.5	47.3

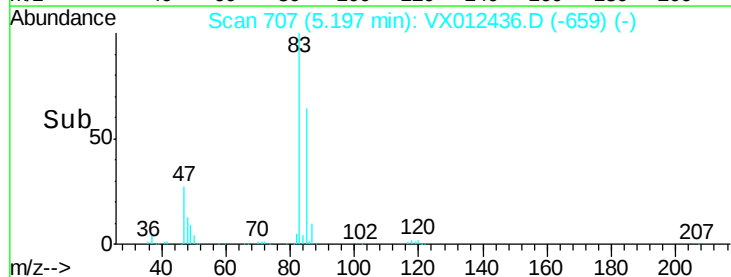
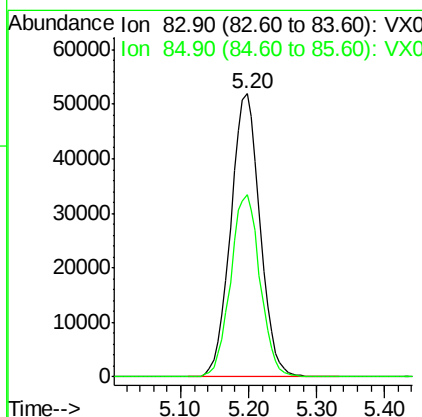
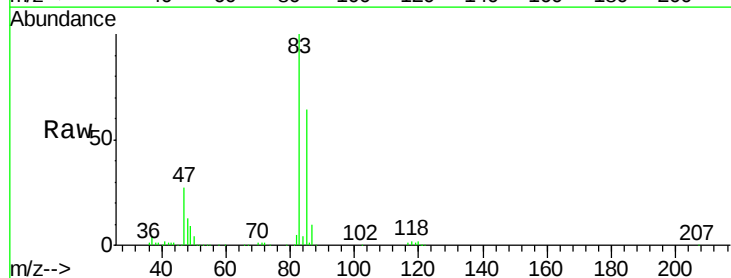
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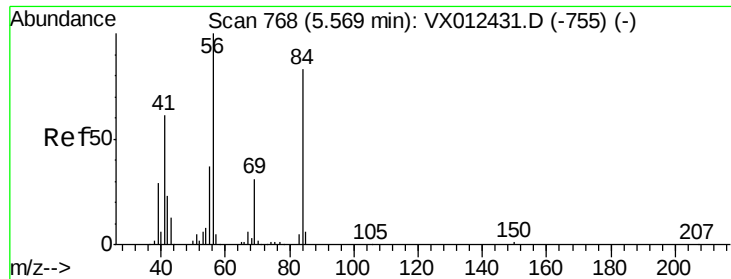
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#30
Chloroform
Concen: 46.887 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.0	79.4





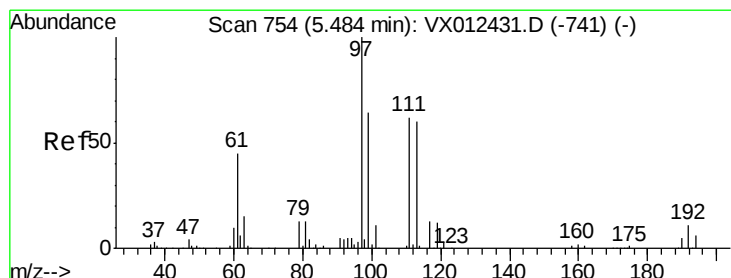
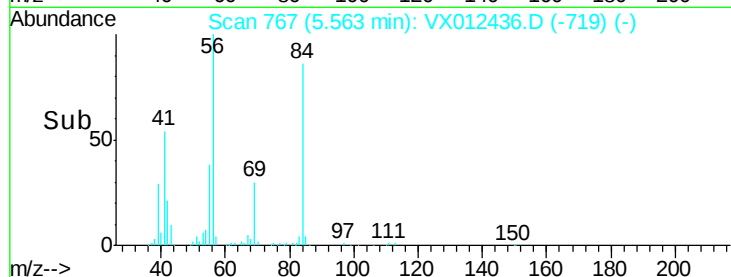
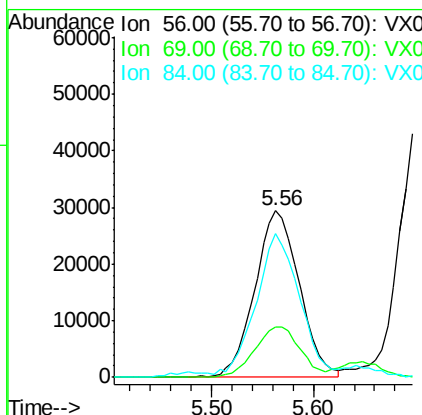
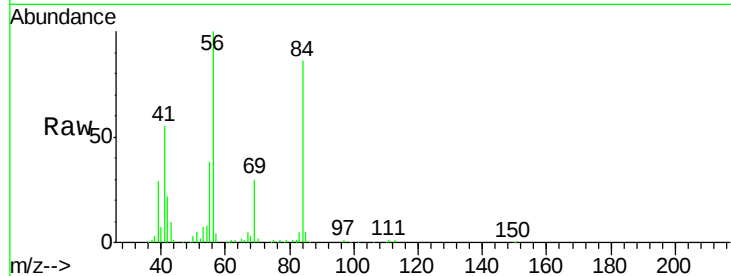
#31
Cyclohexane
Concen: 51.269 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	89119
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	83.3	66.4	99.6

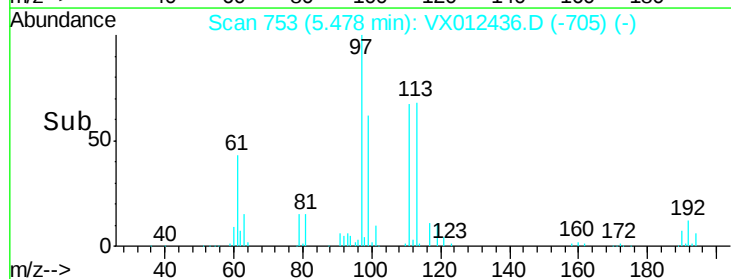
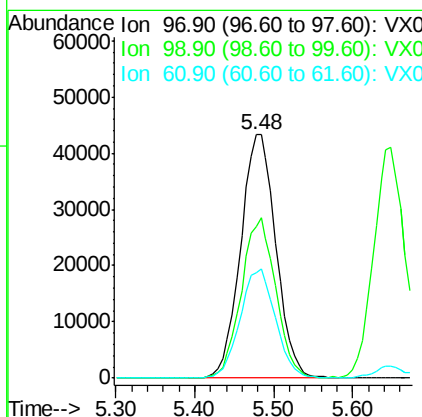
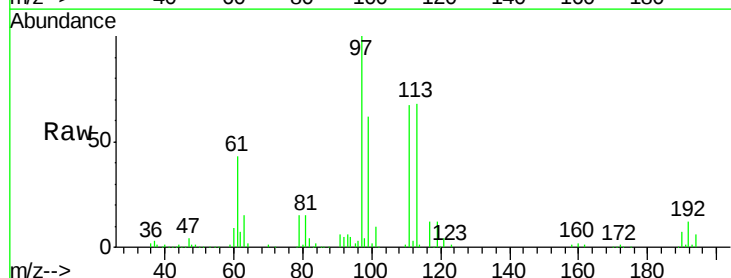
Manual Integrations
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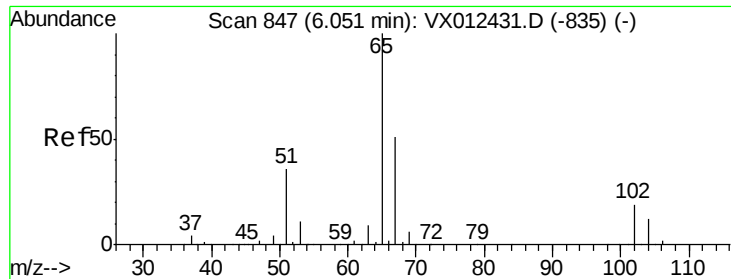
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#32
1,1,1-Trichloroethane
Concen: 48.686 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion:	97	Resp:	134571
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	45.0	36.1	54.1





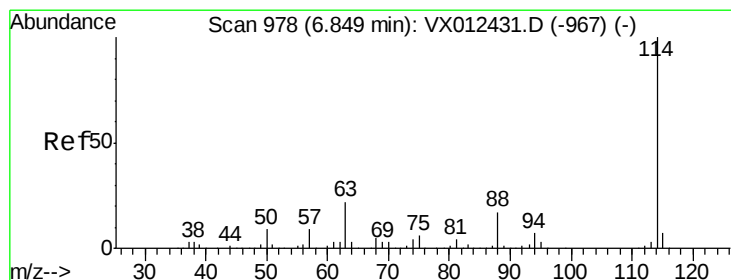
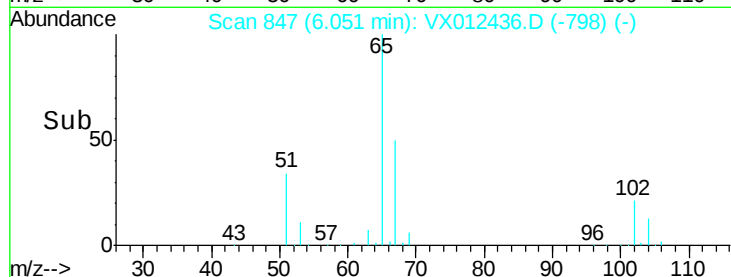
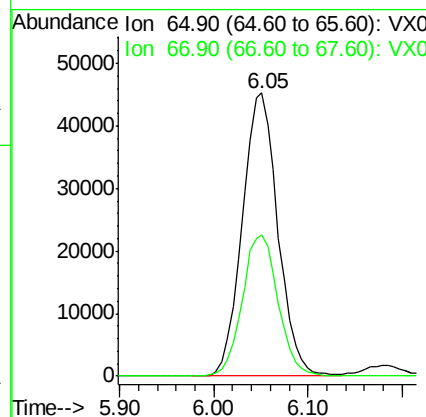
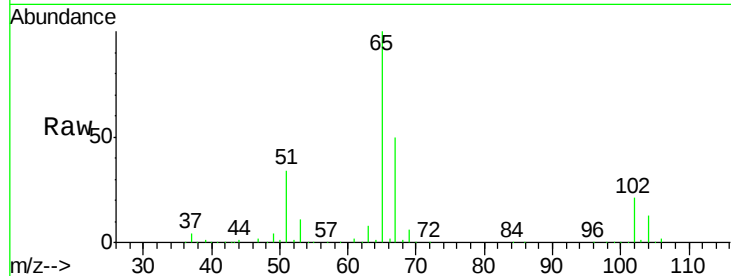
#33
 1,2-Dichloroethane-d4
 Concen: 47.454 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119434		
67	50.2	0.0	101.2	

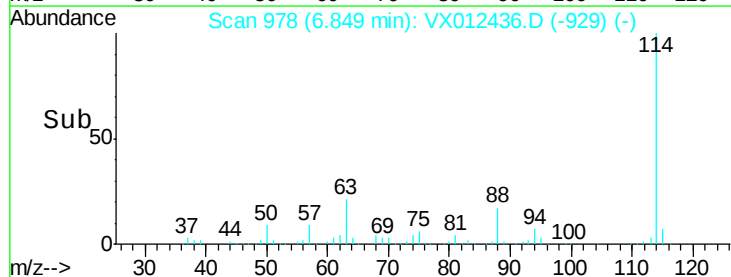
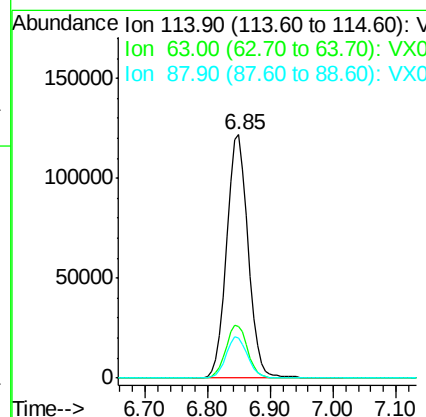
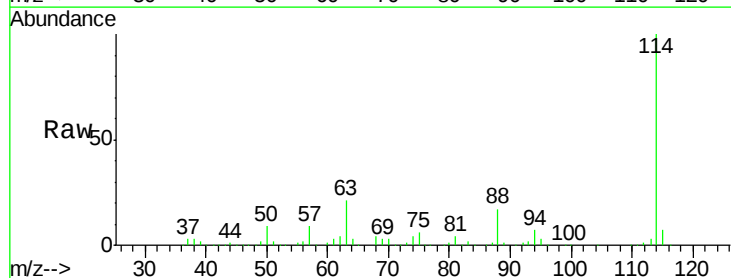
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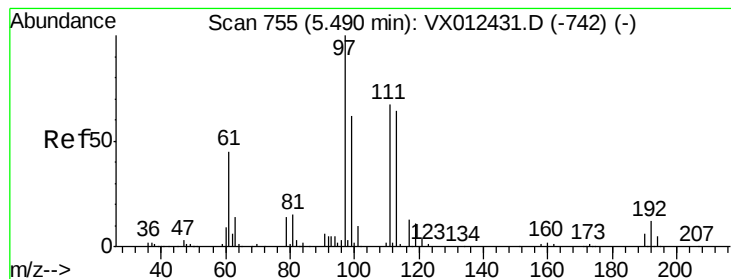
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289763		
63	21.1	0.0	43.2	
88	16.5	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.443 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

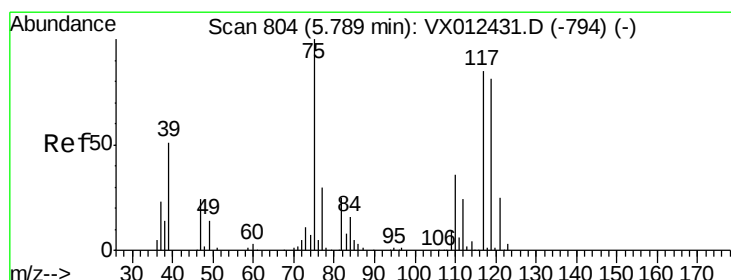
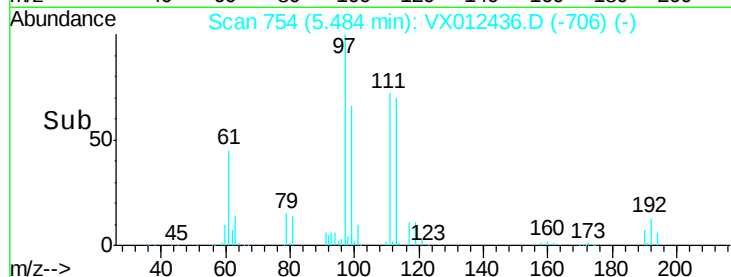
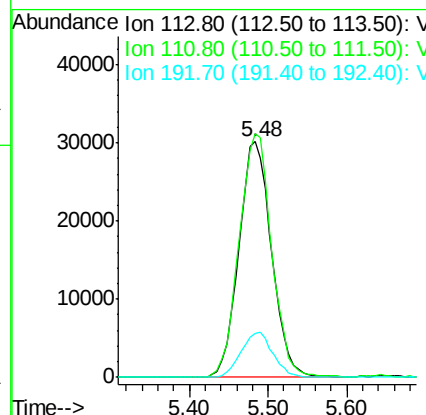
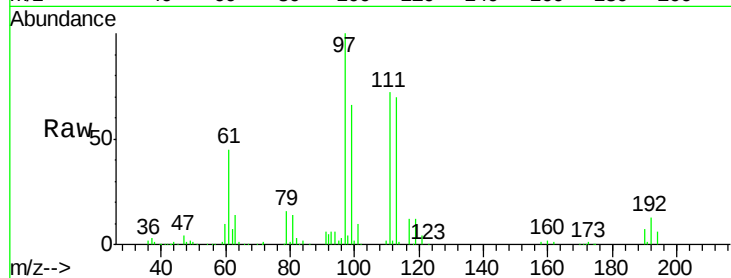
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	86714
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.4	125.2
192	18.8	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.655 ug/l

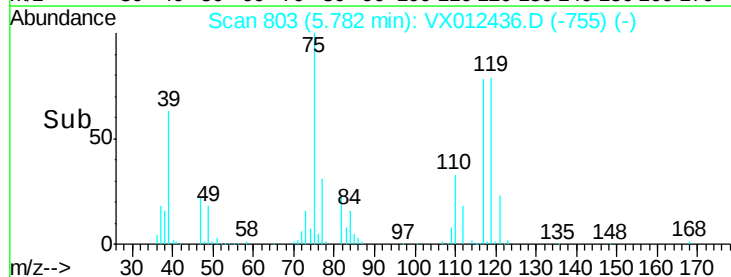
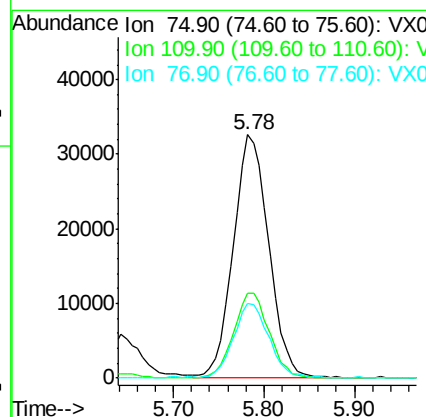
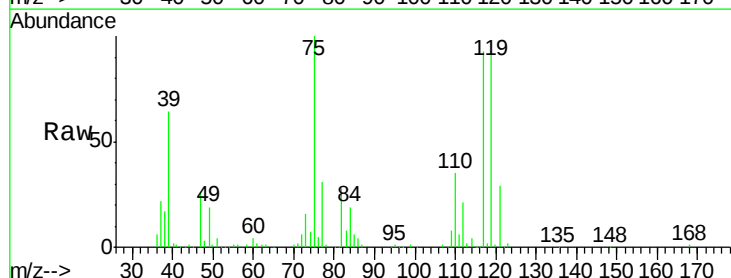
RT: 5.78 min Scan# 803

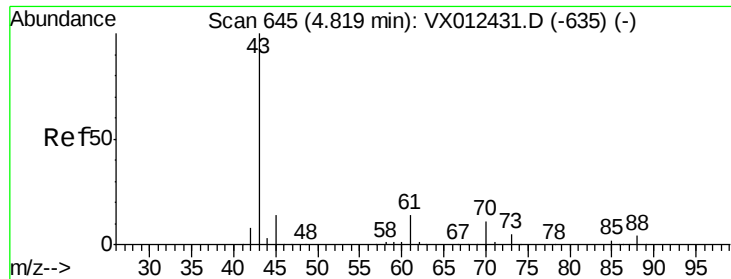
Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:	75	Resp:	87444
Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.0
77	31.6	24.2	36.2





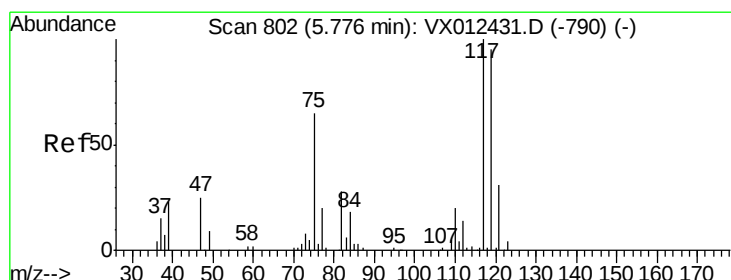
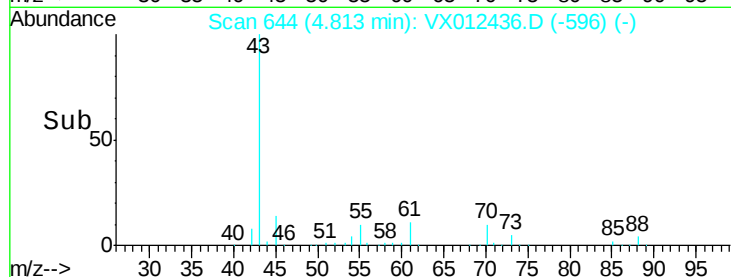
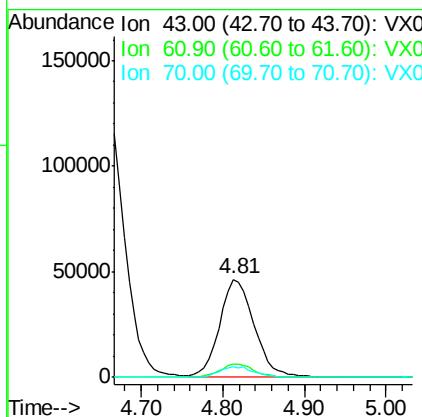
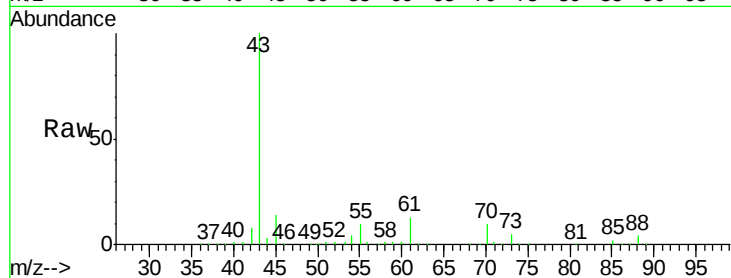
#37
Ethyl Acetate
Concen: 49.811 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.4
70	11.0	8.7	13.1

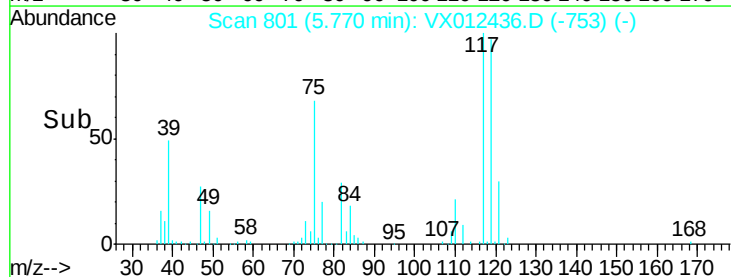
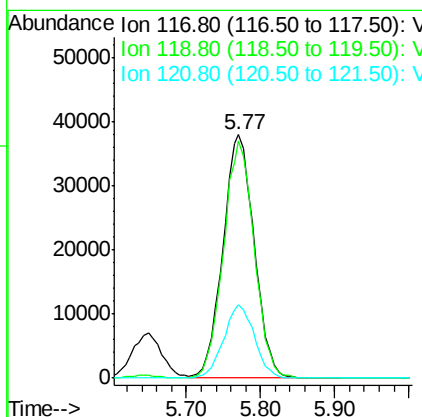
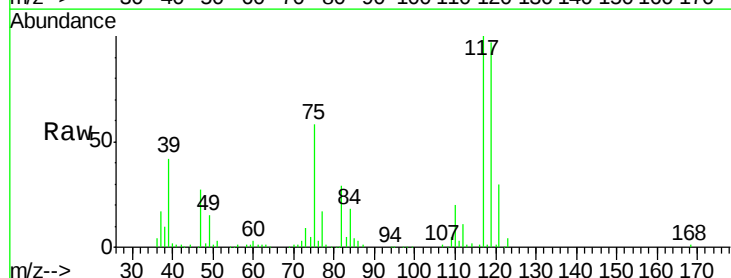
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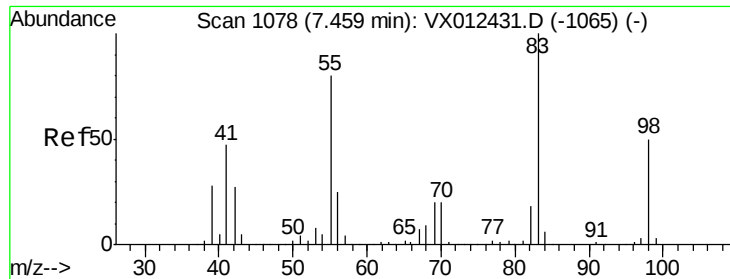
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#38
Carbon Tetrachloride
Concen: 50.722 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.7	113.5
121	30.2	24.2	36.4





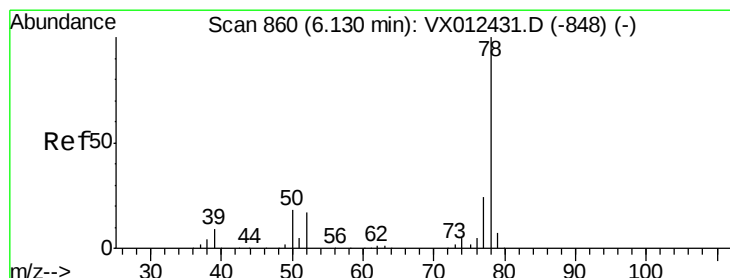
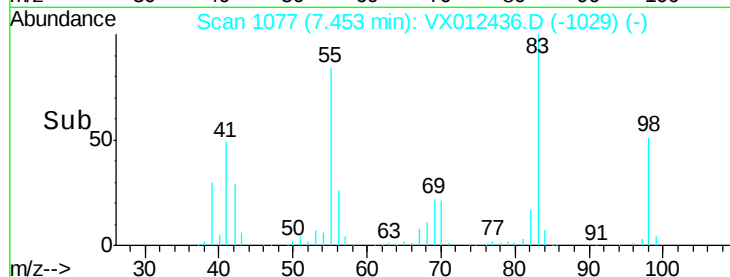
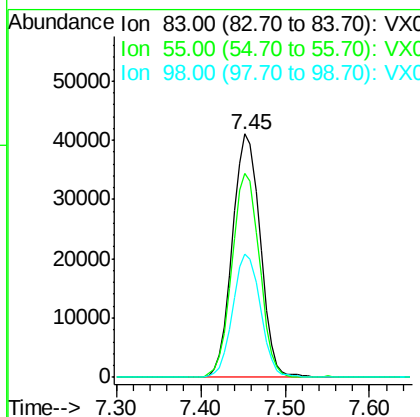
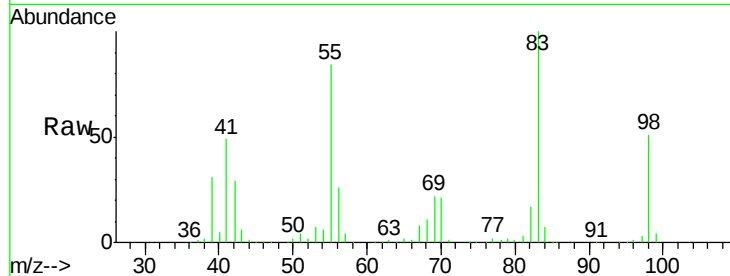
#39
Methvlcvclohexane
Concen: 53.645 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	91839
Ion	Ratio	Lower	Upper
83	100		
55	83.6	64.4	96.6
98	50.7	40.1	60.1

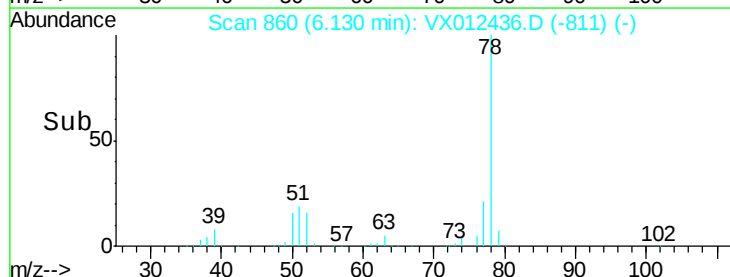
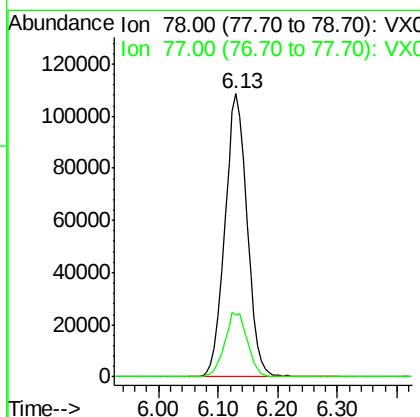
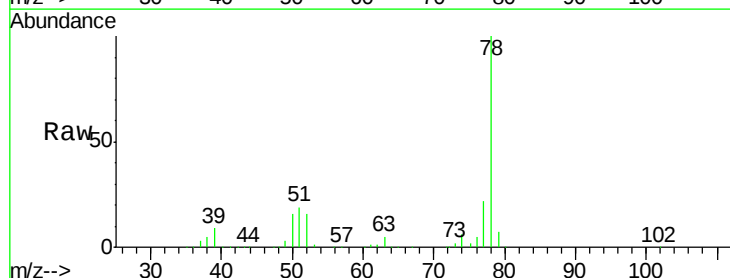
Manual Integrations
APPROVED

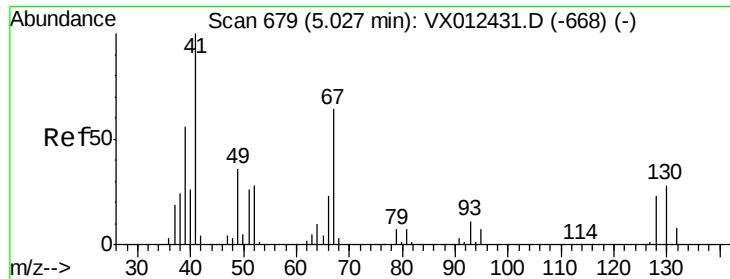
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#40
Benzene
Concen: 50.230 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	78.00	Resp	281290
Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.2	28.8





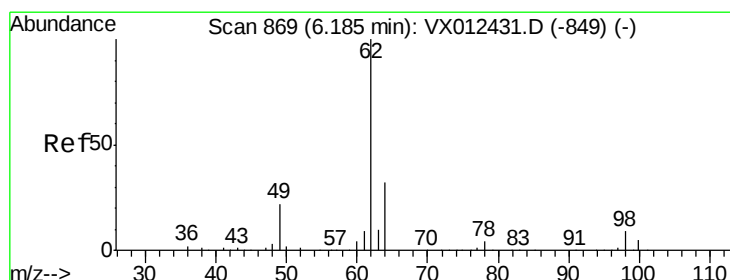
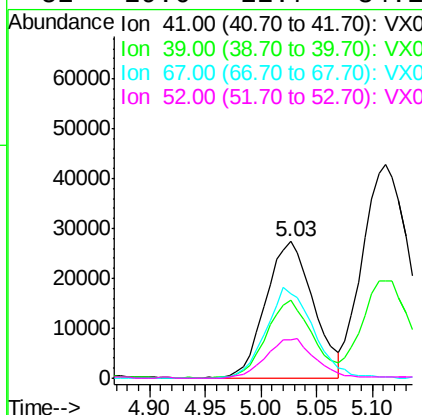
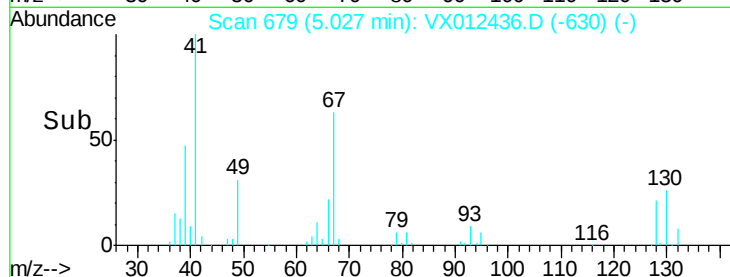
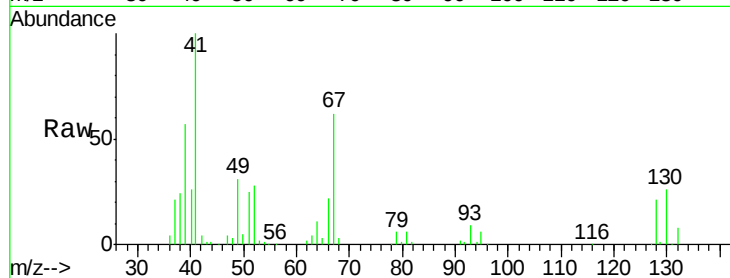
#41
Methacrylonitrile
Concen: 46.839 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	46.0	69.0	
67	66.3	52.2	78.2	
52	29.6	22.7	34.1	

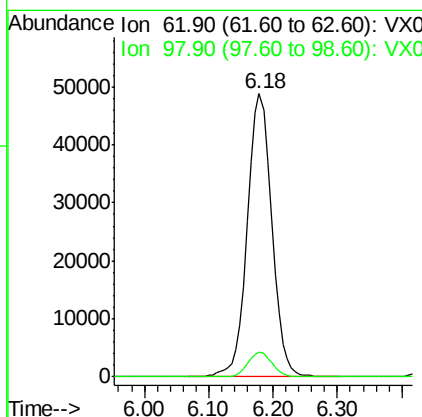
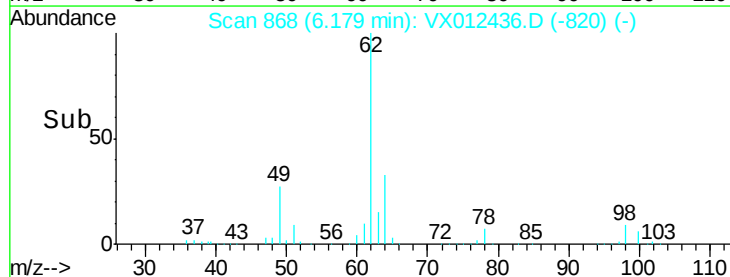
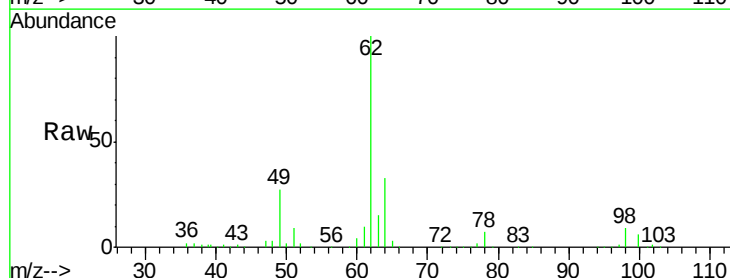
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 48.727 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.8	





#43

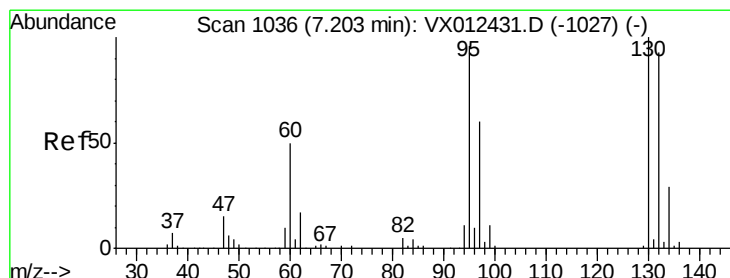
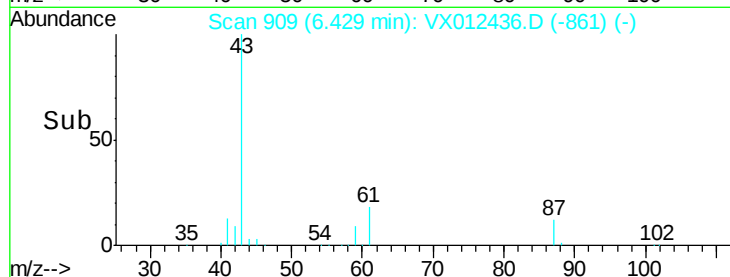
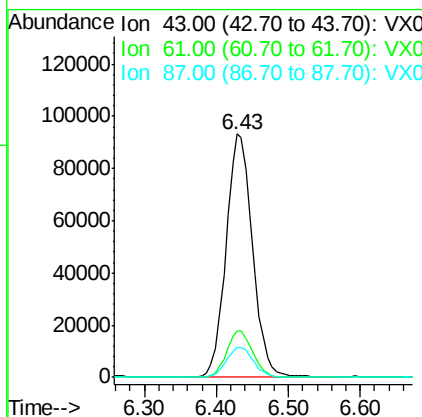
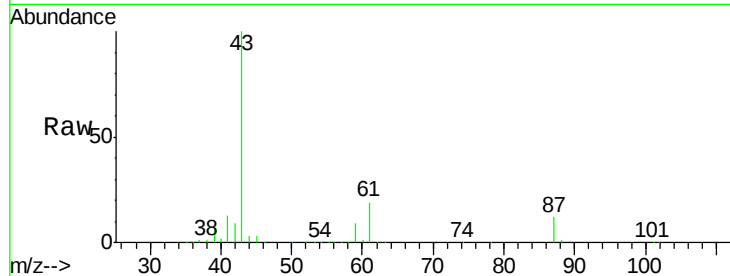
Isopropyl Acetate
 Concen: 48.649 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	12.6	9.8	14.8

Manual Integrations
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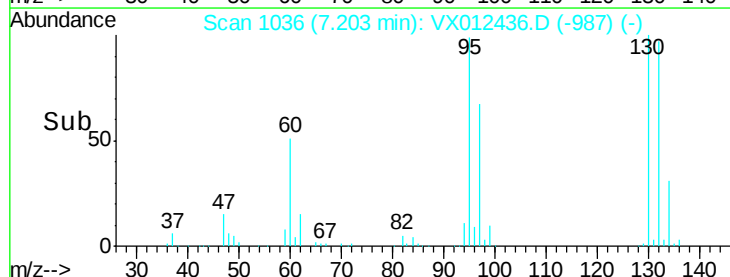
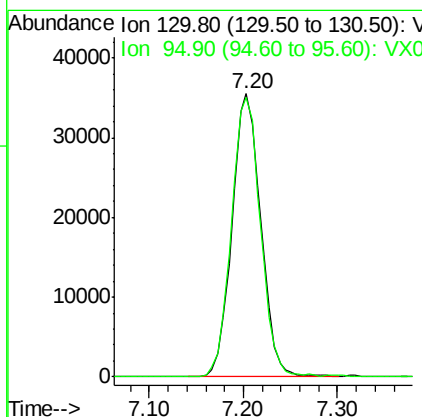
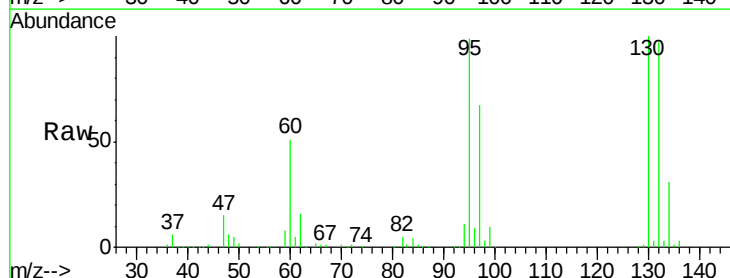
MMDadoda
 9/18/2019 11:20:24 AM



#44

Trichloroethene
 Concen: 51.239 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	193.0





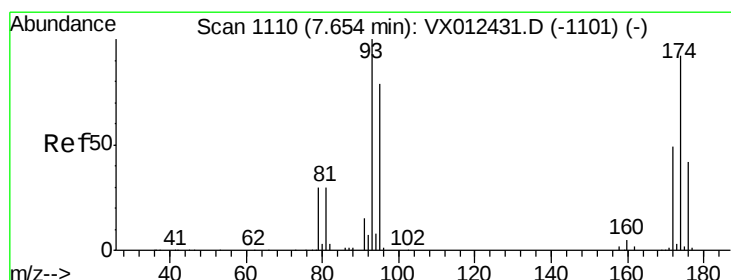
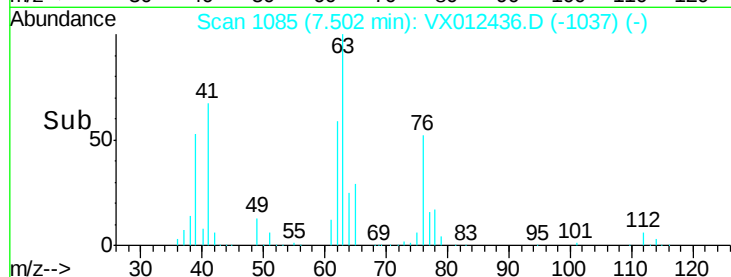
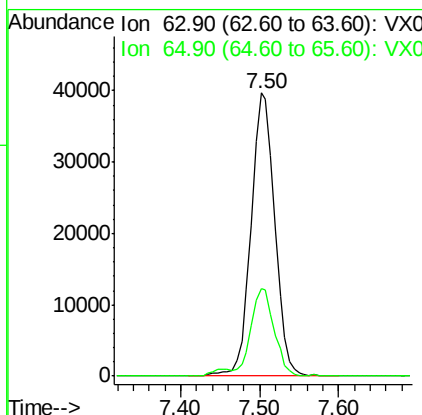
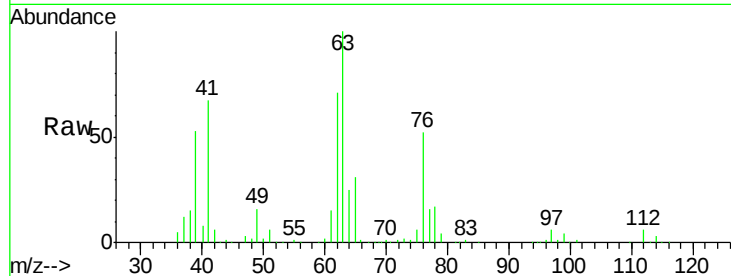
#45
 1,2-Dichloropropane
 Concen: 48.396 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 83264
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

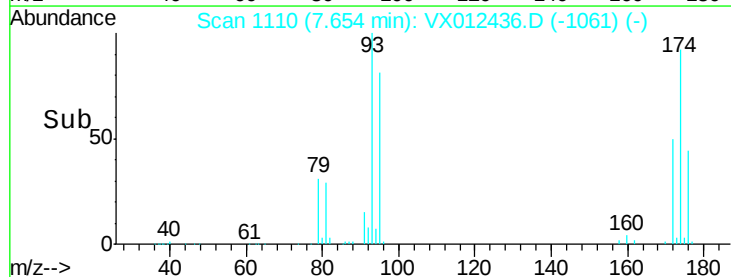
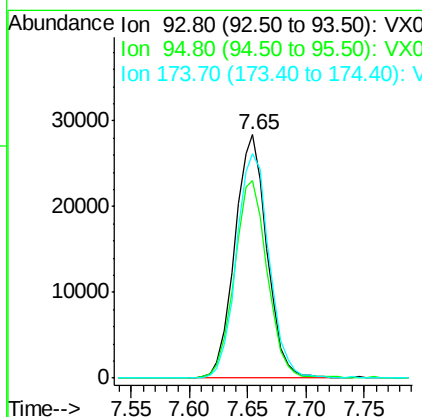
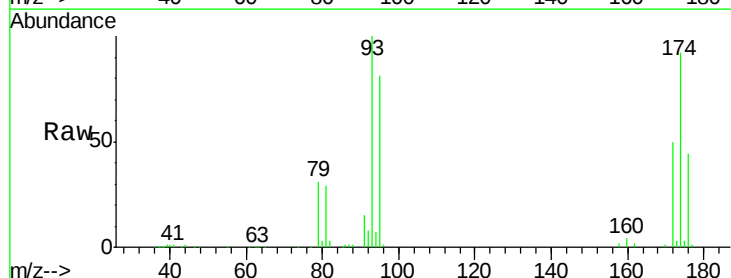
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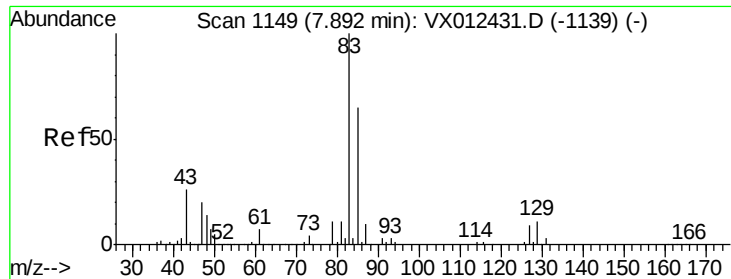
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#46
 Dibromomethane
 Concen: 48.983 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion: 93 Resp: 54536
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 94.5 77.4 116.0





#47

Bromodichloromethane

Concen: 50.477 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

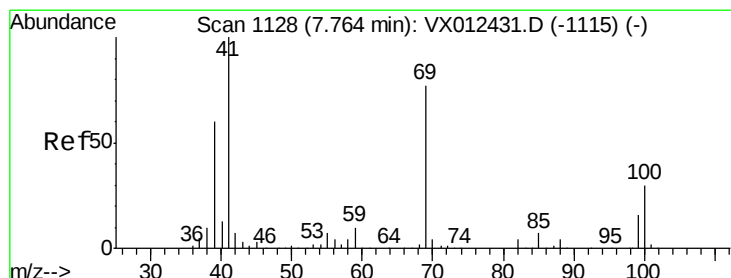
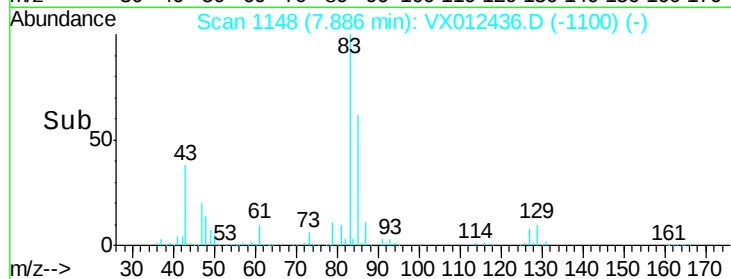
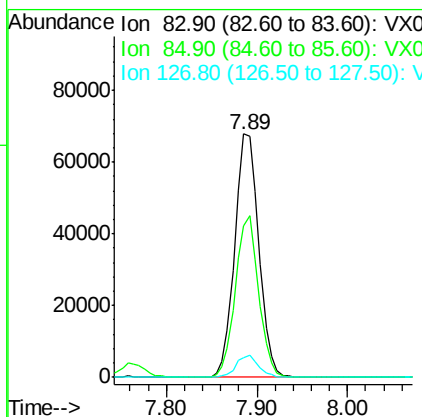
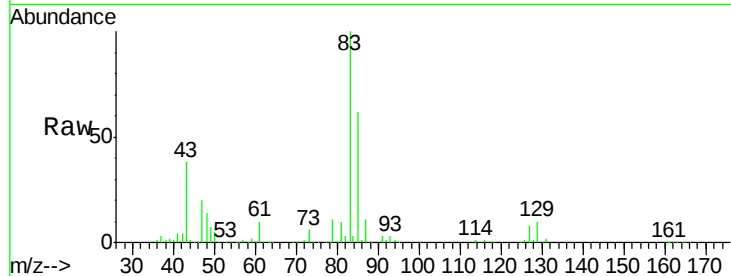
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	125133
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.6
127	7.9	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:20:24 AM



#48

Methyl methacrylate

Concen: 48.314 ug/l

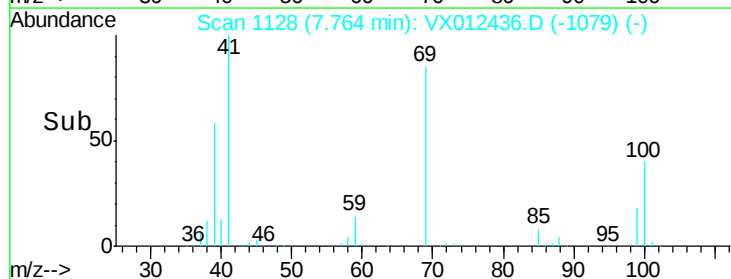
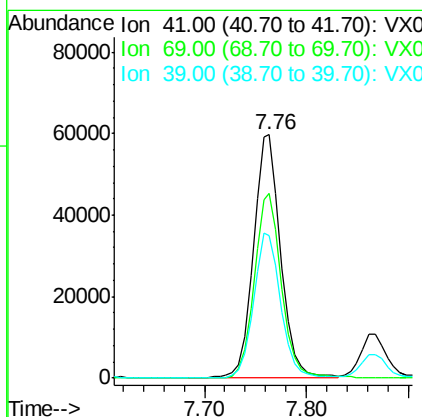
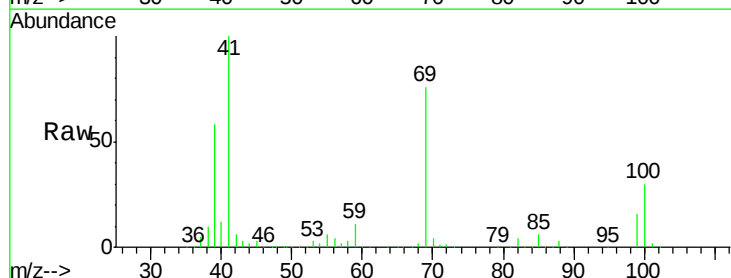
RT: 7.76 min Scan# 1128

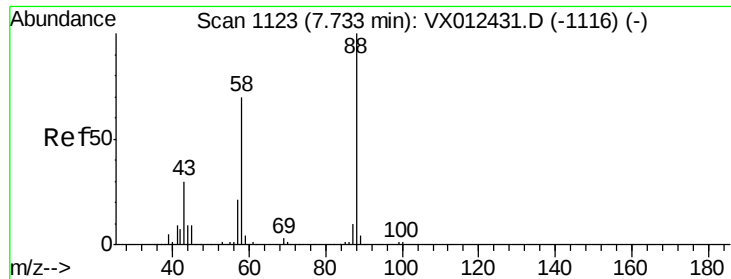
Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:	41	Resp:	110498
Ion	Ratio	Lower	Upper
41	100		
69	76.0	59.9	89.9
39	59.2	47.8	71.6





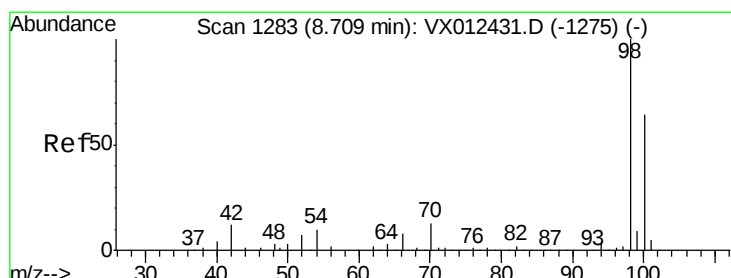
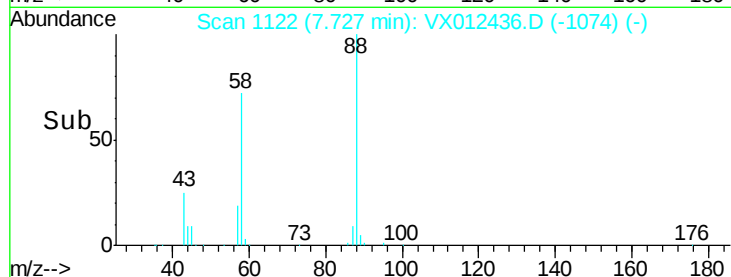
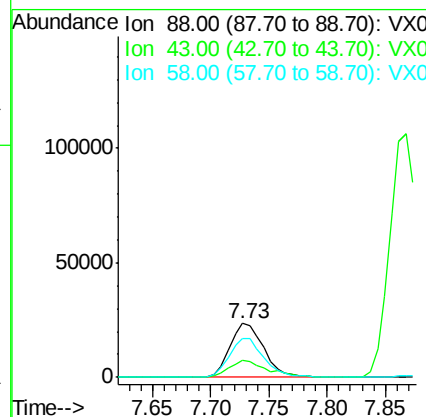
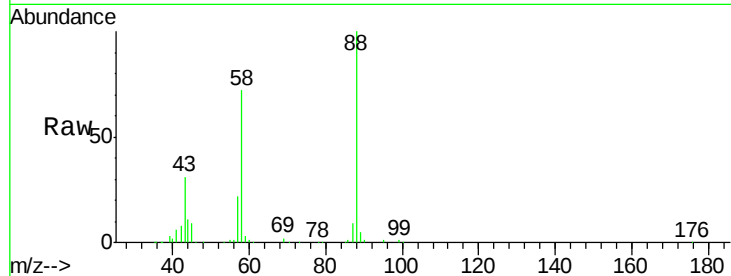
#49
1,4-Dioxane
Concen: 855.612 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.4	44.0
58	74.0	57.5	86.3

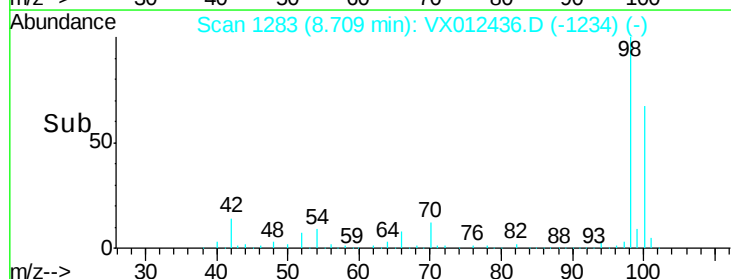
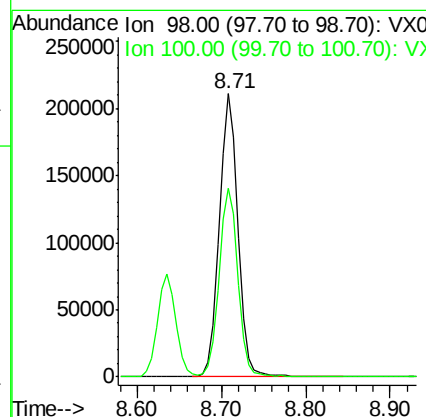
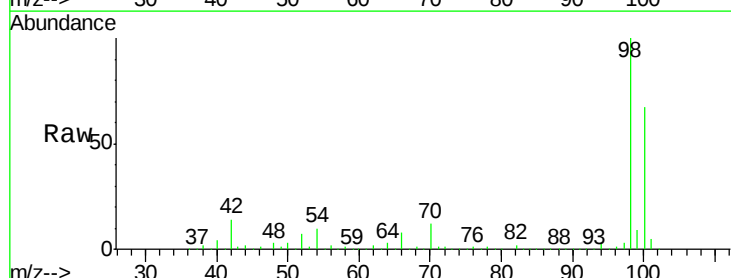
Manual Integrations
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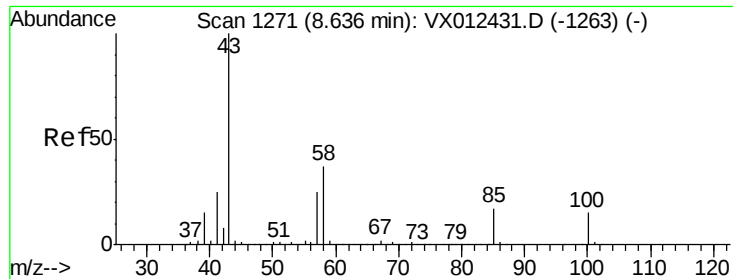
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#50
Toluene-d8
Concen: 50.010 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2





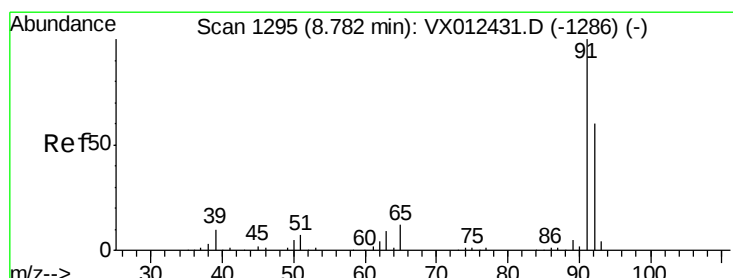
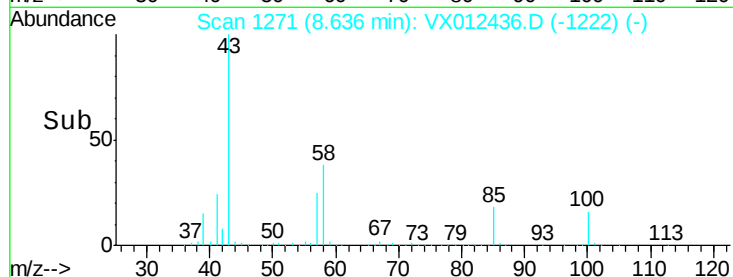
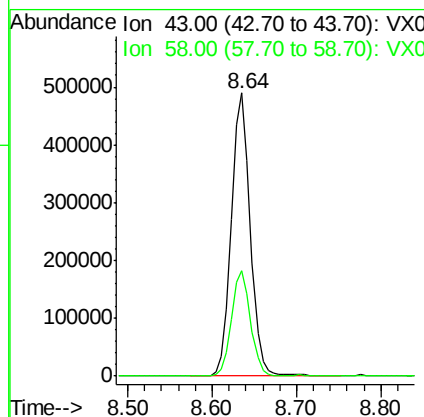
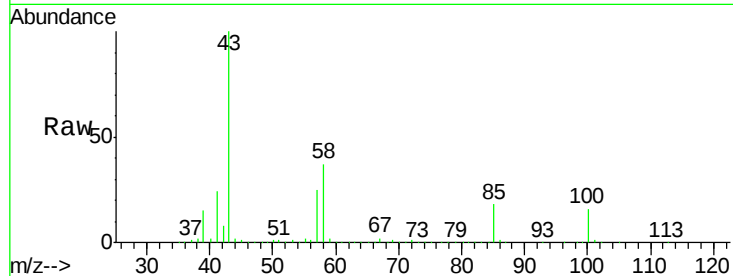
#51
4-Methyl-2-Pentanone
Concen: 236.680 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 753052
Ion Ratio Lower Upper
43 100
58 37.2 29.8 44.6

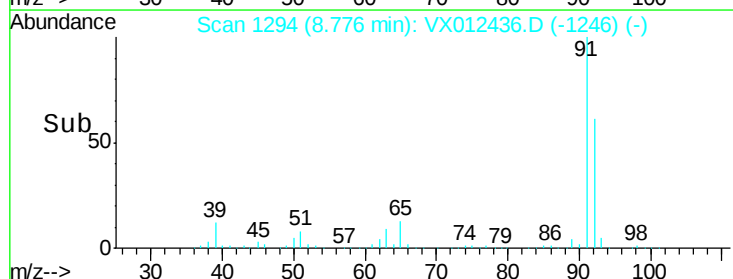
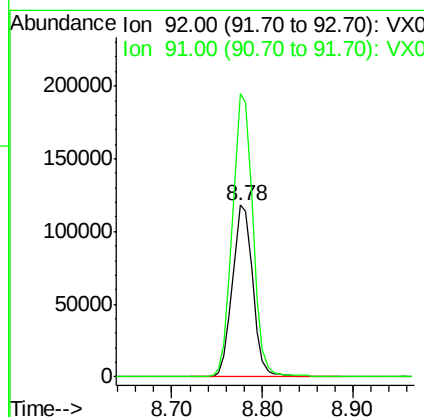
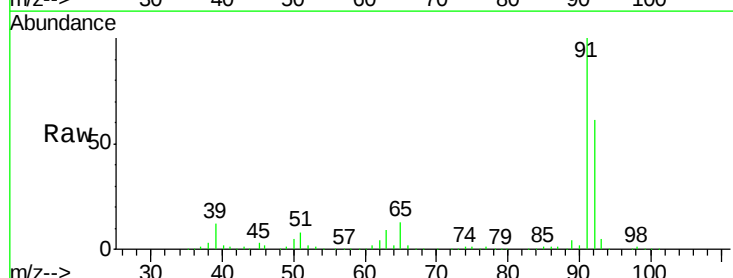
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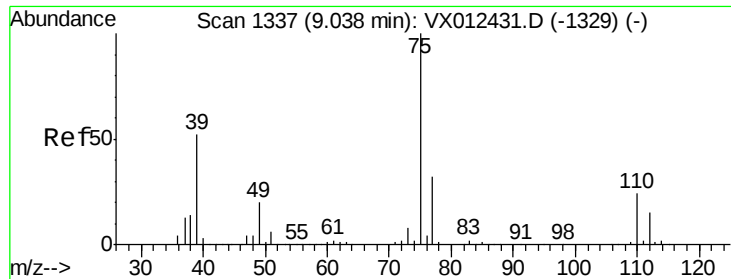
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#52
Toluene
Concen: 51.188 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 92 Resp: 184712
Ion Ratio Lower Upper
92 100
91 166.5 135.4 203.0





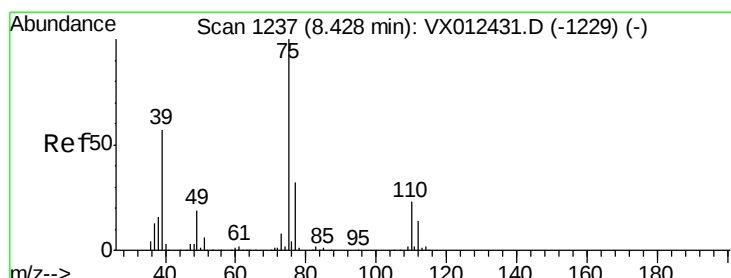
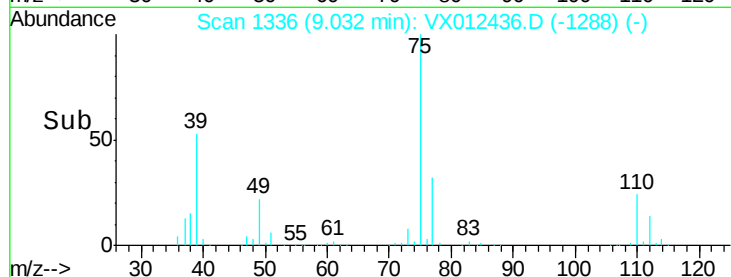
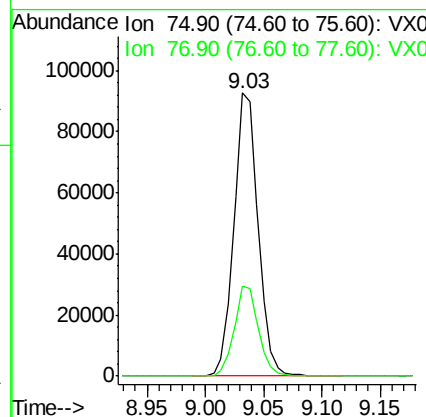
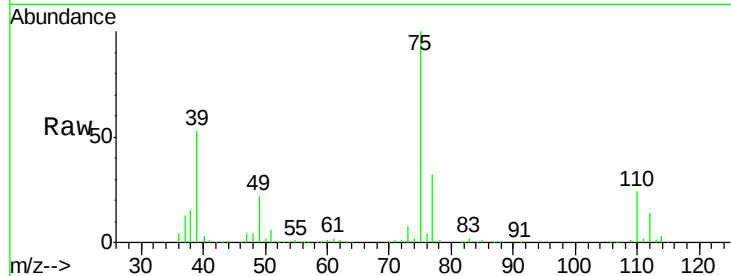
#53
t-1,3-Dichloropropene
Concen: 52.019 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 134047
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

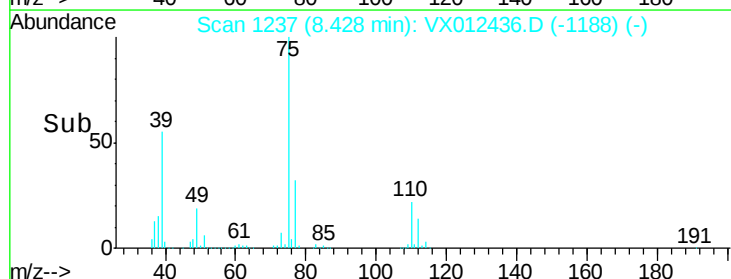
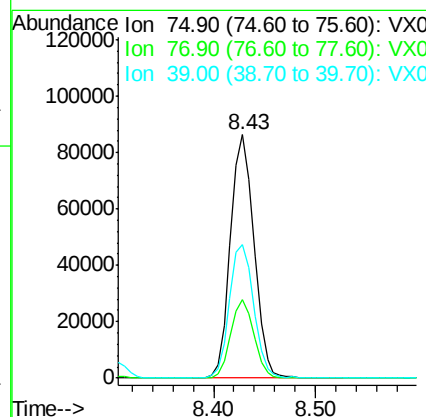
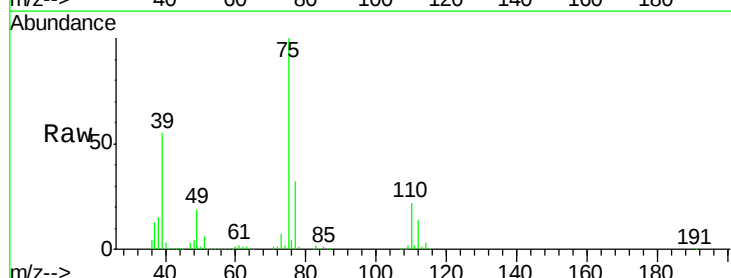
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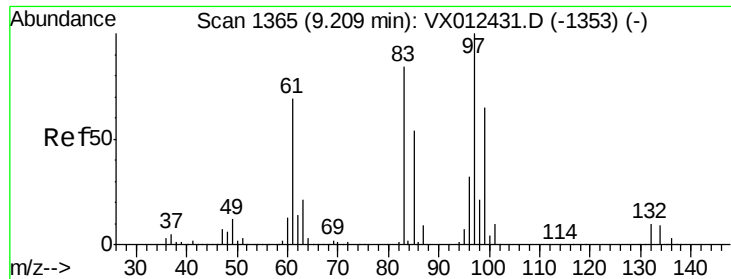
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#54
cis-1,3-Dichloropropene
Concen: 51.892 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 75 Resp: 138438
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
39 54.9 45.5 68.3





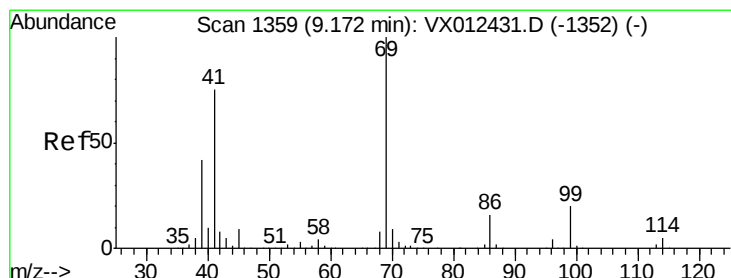
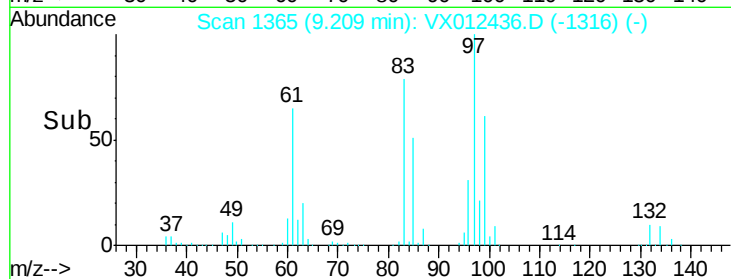
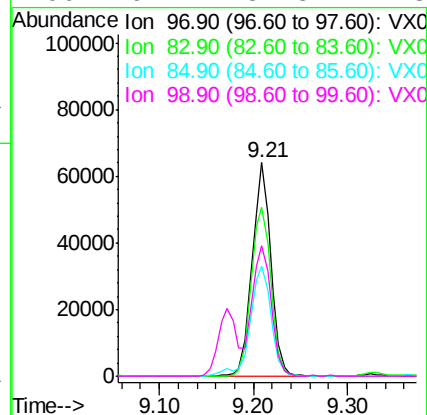
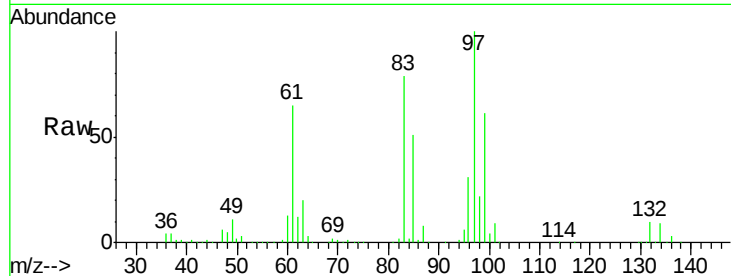
#55
 1,1,2-Trichloroethane
 Concen: 47.996 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	89229
Ion	Ratio	Lower	Upper
97	100		
83	79.0	67.4	101.2
85	51.4	43.5	65.3
99	61.1	51.8	77.8

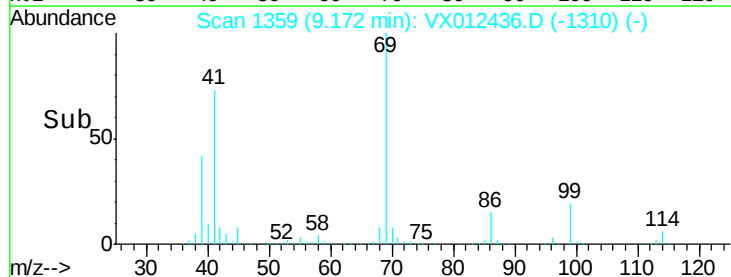
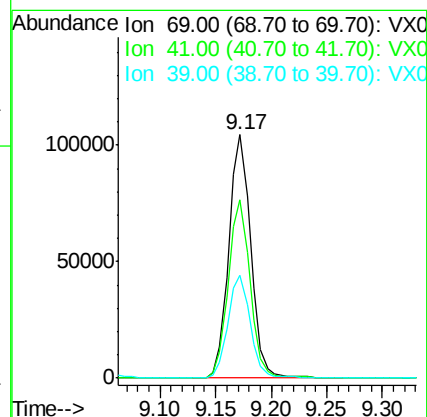
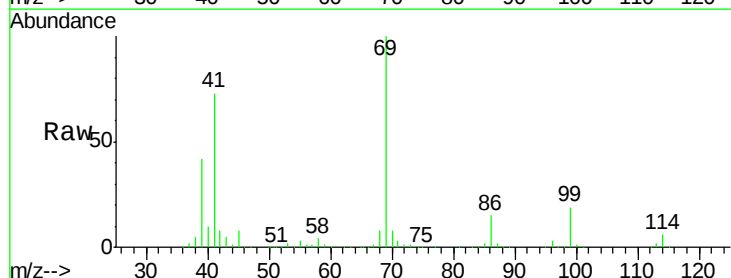
Manual Integrations
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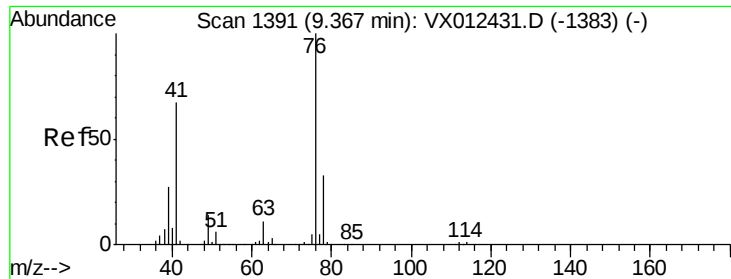
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#56
 Ethyl methacrylate
 Concen: 49.230 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion:	69	Resp:	143094
Ion	Ratio	Lower	Upper
69	100		
41	72.7	58.4	87.6
39	42.6	33.4	50.0





#57

1,3-Dichloropropane

Concen: 48.928 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 145130

Ion Ratio Lower Upper

76 100

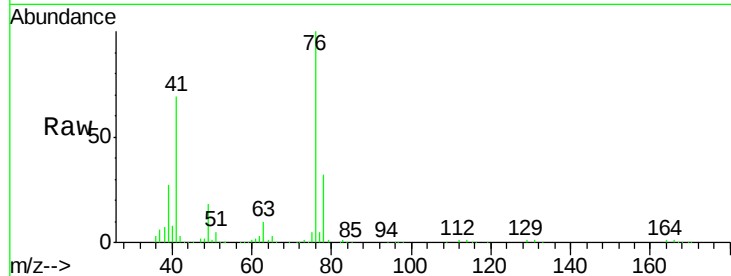
78 32.0 26.2 39.2

Manual Integrations

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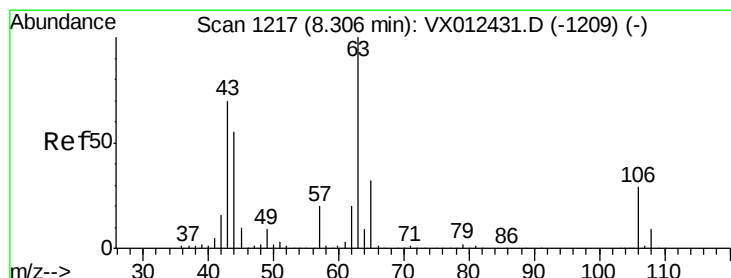
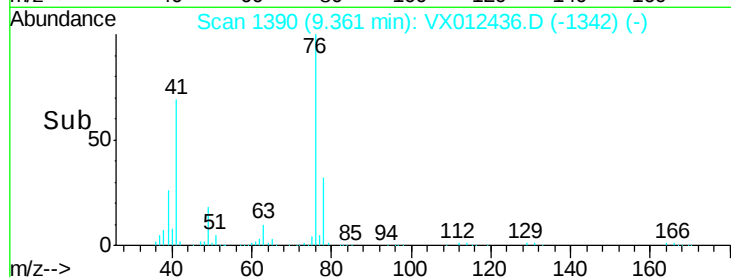
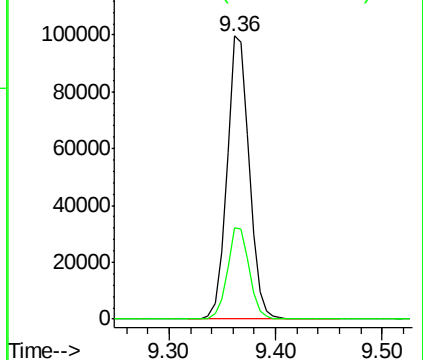
MMDadoda

9/18/2019 11:20:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 254.207 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012436.D

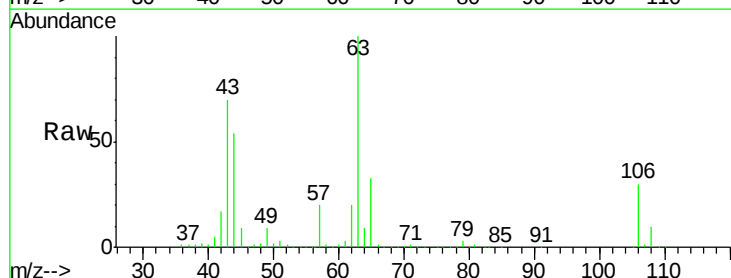
Acq: 17 Sep 2019 16:24

Tgt Ion: 63 Resp: 382479

Ion Ratio Lower Upper

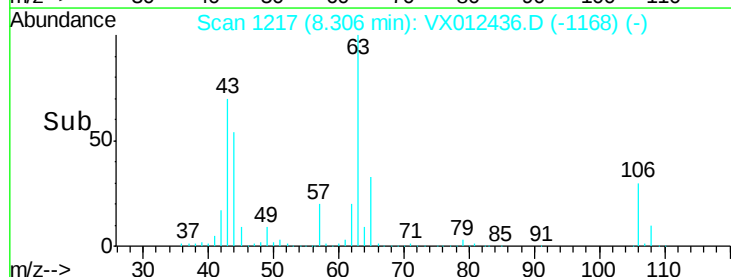
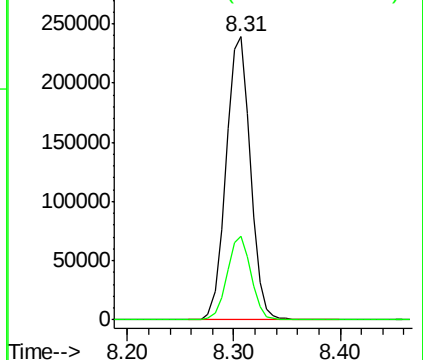
63 100

106 29.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





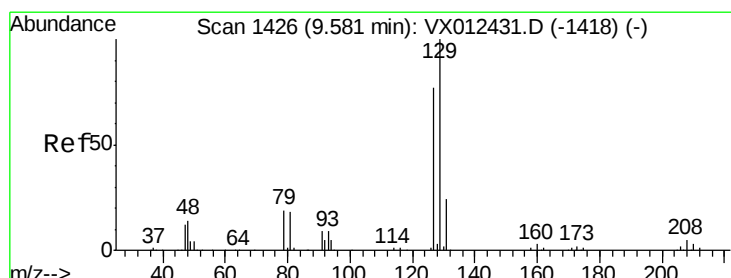
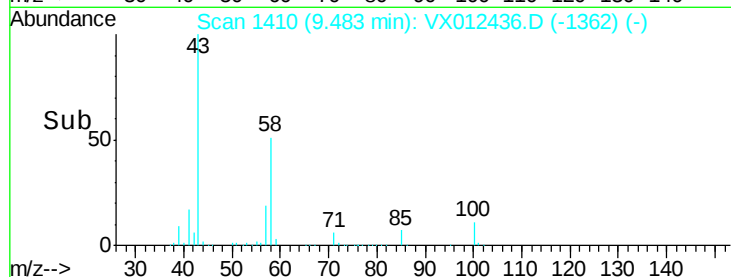
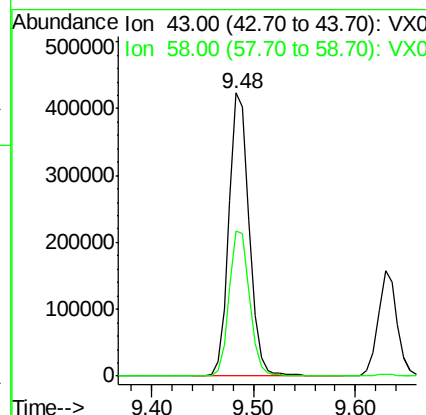
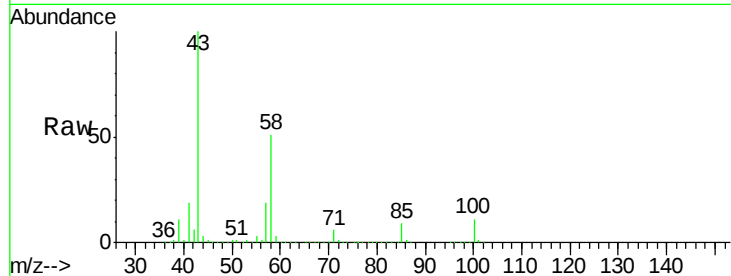
#59
2-Hexanone
Concen: 235.243 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 583939
Ion Ratio Lower Upper
43 100
58 51.9 25.7 77.1

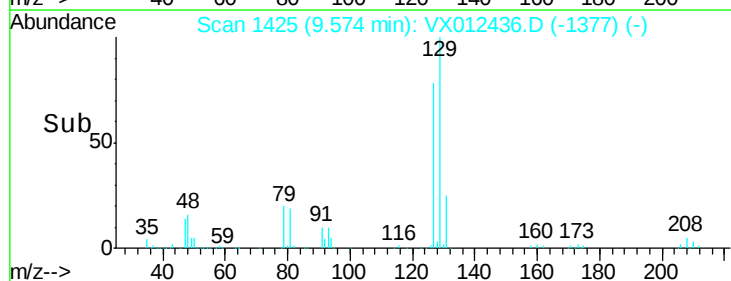
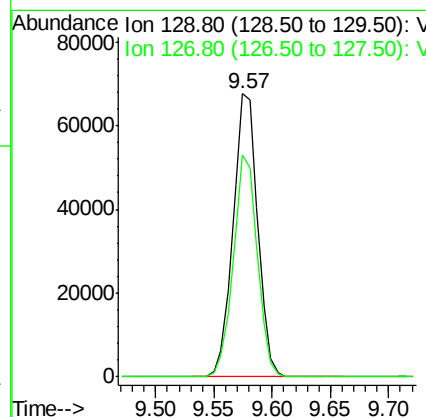
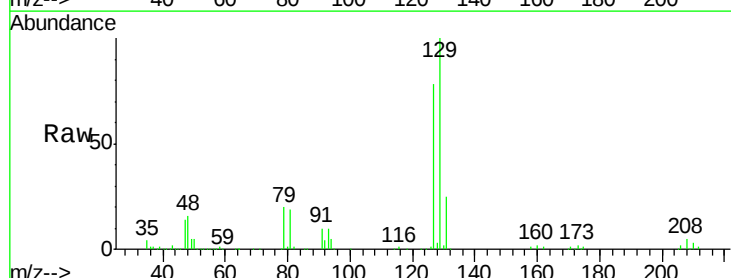
Manual Integrations
APPROVED

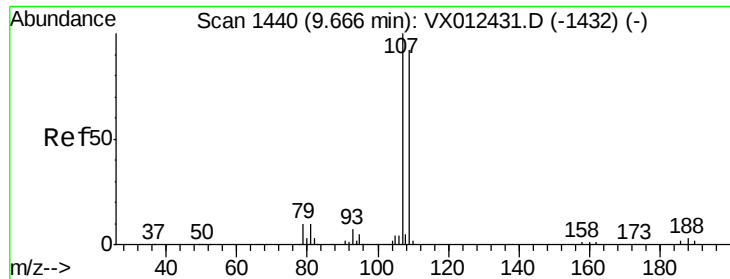
MMDadoda
9/18/2019 11:20:24 AM



#60
Dibromochloromethane
Concen: 52.434 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 129 Resp: 99292
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 50.723 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 86122

Ion Ratio Lower Upper

107 100

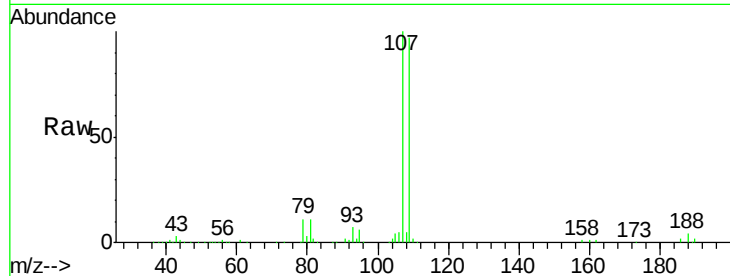
109 95.7 74.7 112.1

Manual Integrations

APPROVED

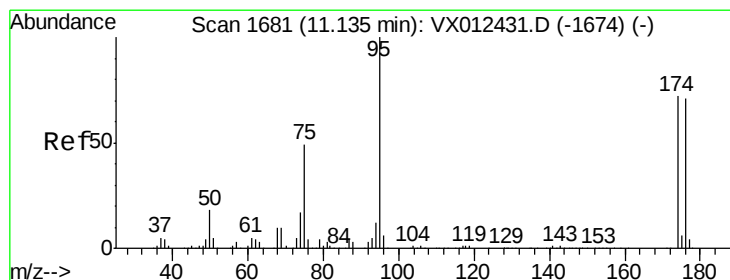
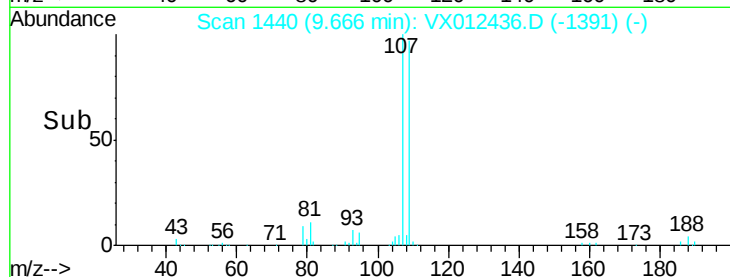
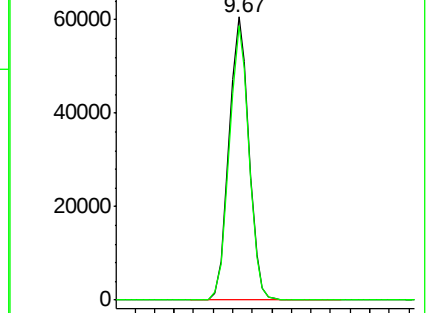
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.939 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

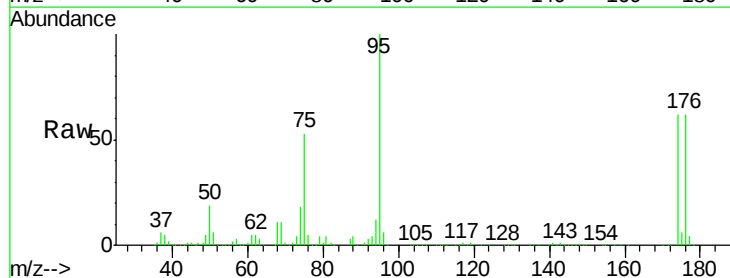
Tgt Ion: 95 Resp: 134604

Ion Ratio Lower Upper

95 100

174 68.7 0.0 140.0

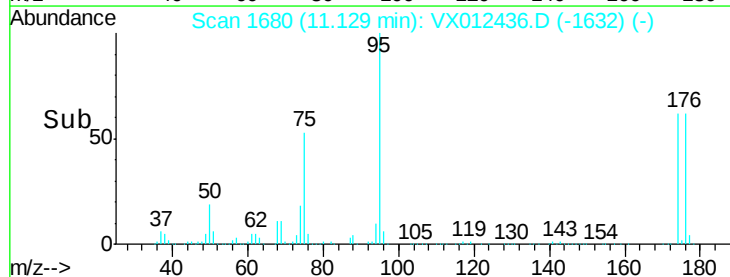
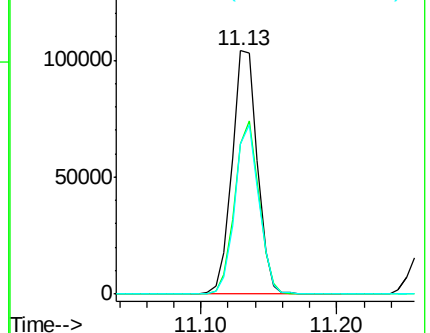
176 66.4 0.0 135.4

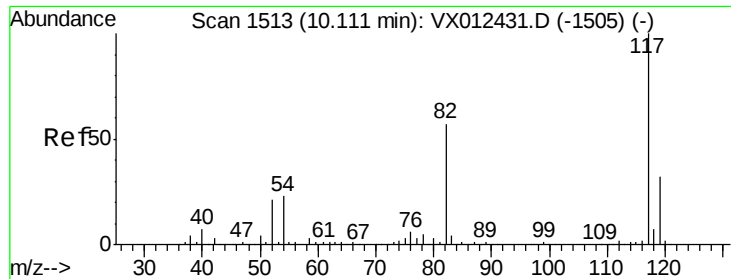


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 257908

Ion Ratio Lower Upper

117 100

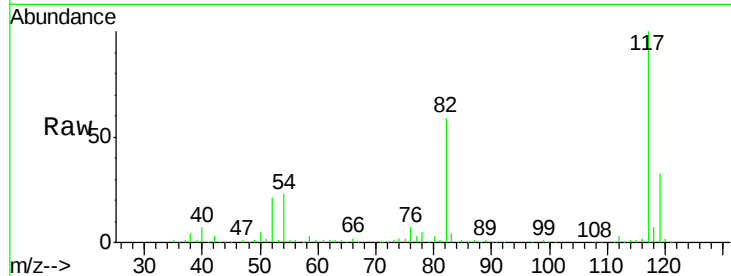
82 58.6 45.9 68.9

119 32.5 25.3 37.9

Manual Integrations
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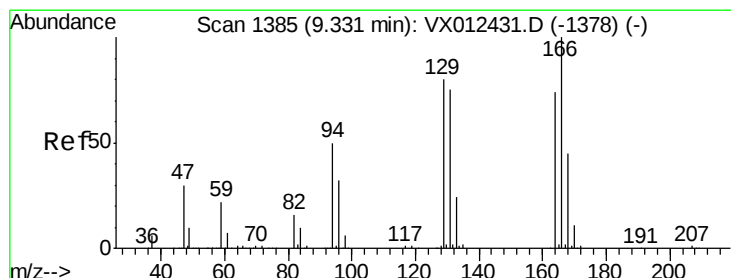
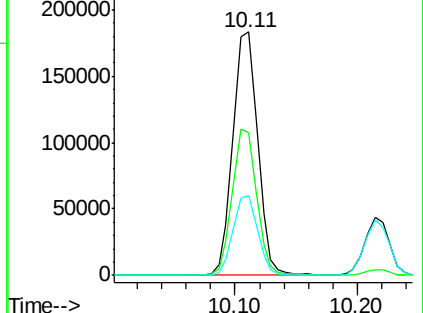
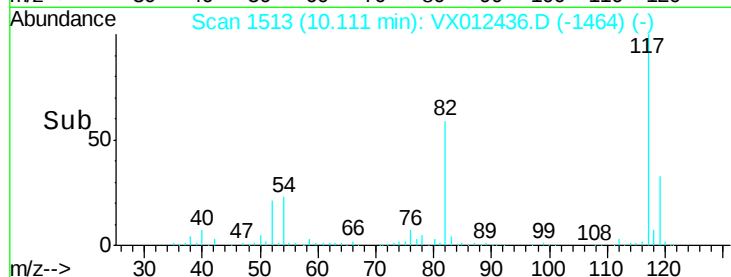
9/18/2019 11:20:24 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.612 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:164 Resp: 62179

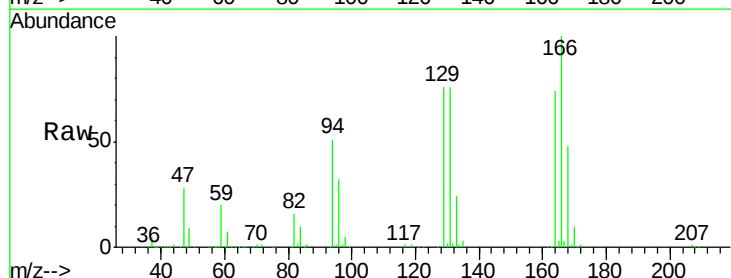
Ion Ratio Lower Upper

164 100

166 134.8 107.8 161.6

129 103.0 86.2 129.2

131 102.4 80.4 120.6

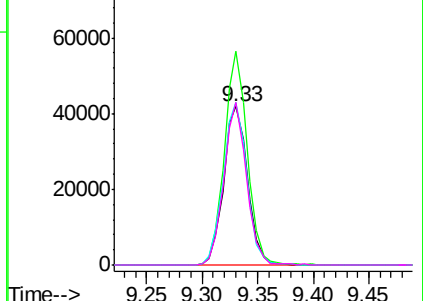
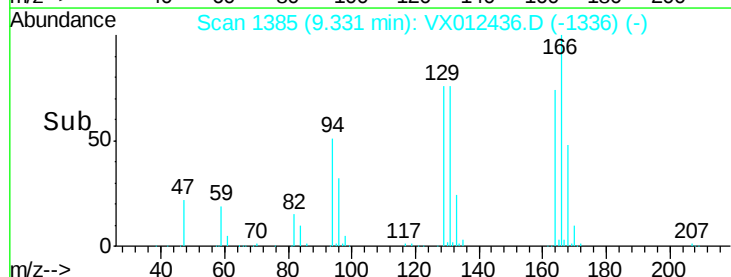


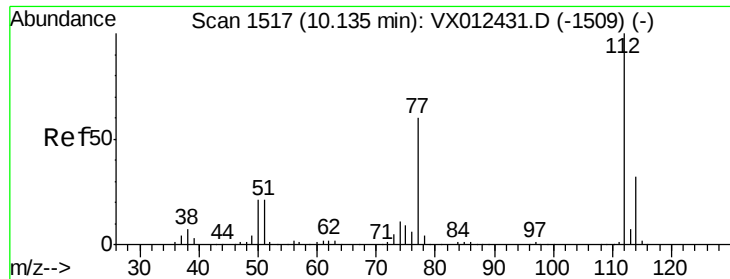
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.928 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 216789

Ion Ratio Lower Upper

112 100

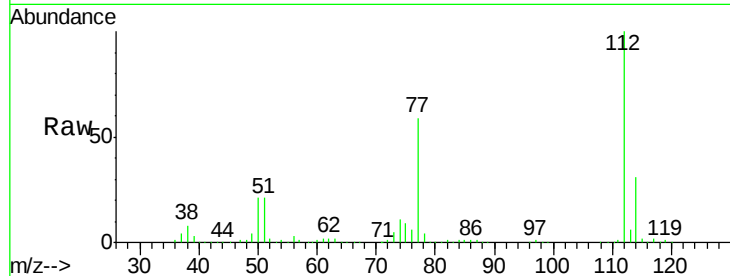
114 31.1 25.4 38.0

Manual Integrations

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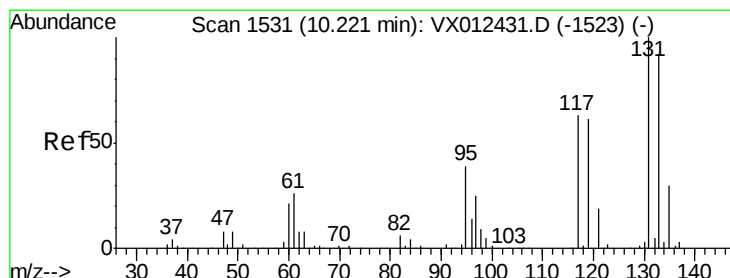
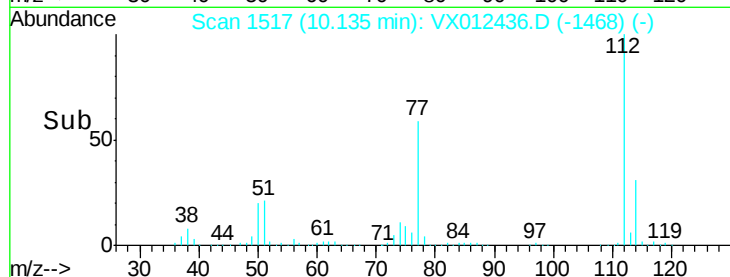
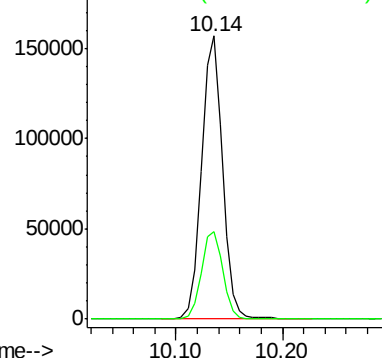
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.819 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

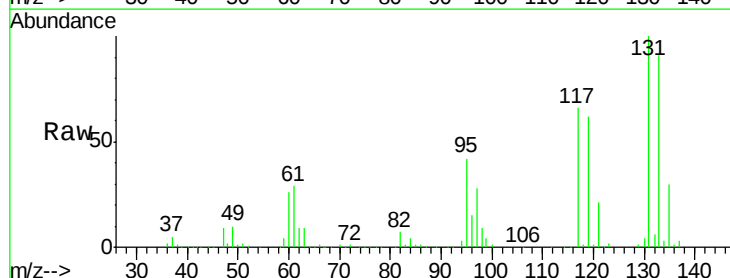
Tgt Ion:131 Resp: 91546

Ion Ratio Lower Upper

131 100

133 94.0 47.6 142.9

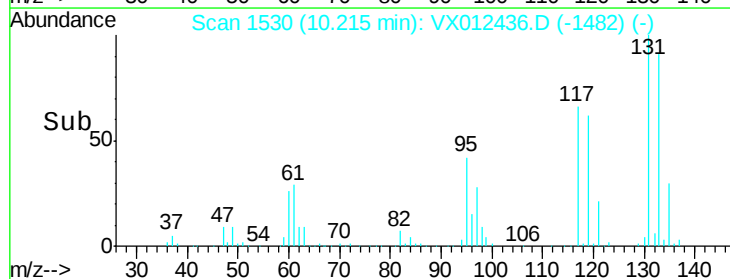
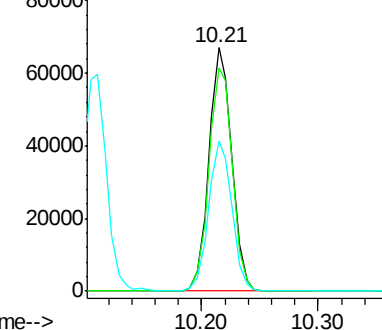
119 62.7 31.3 93.8

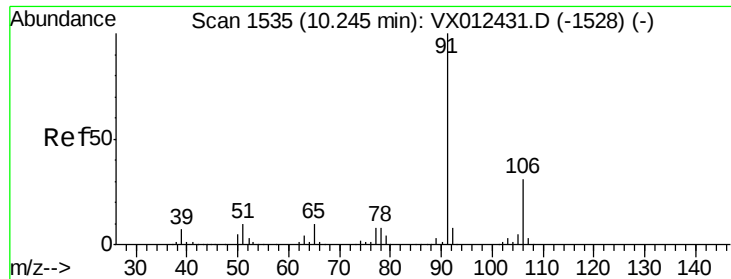


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





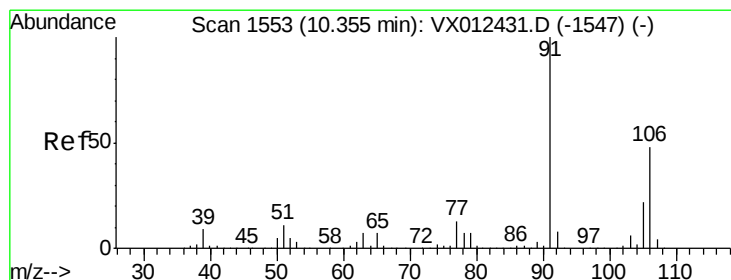
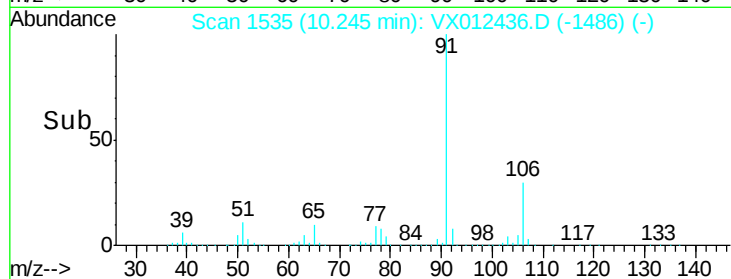
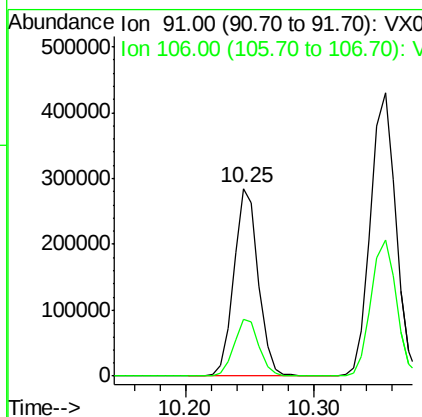
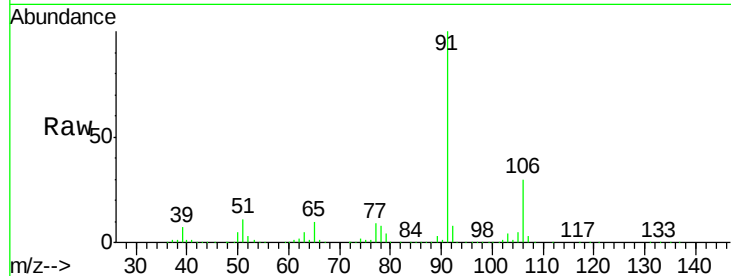
#67
Ethyl Benzene
Concen: 51.495 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 376605
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0

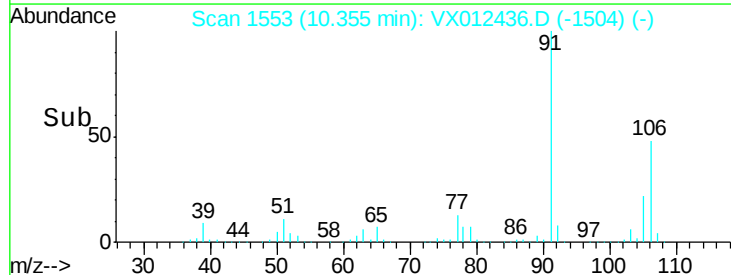
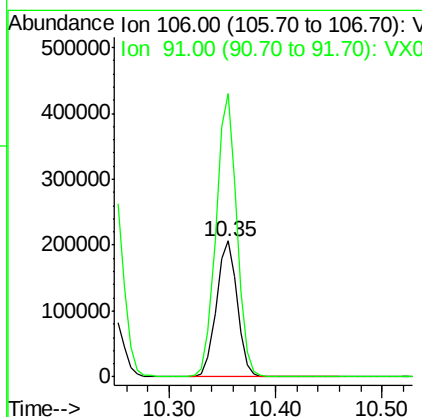
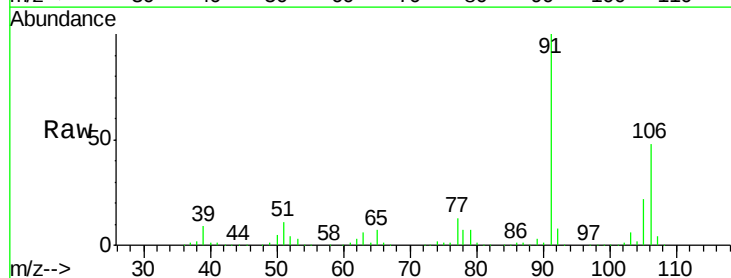
Manual Integrations
APPROVED

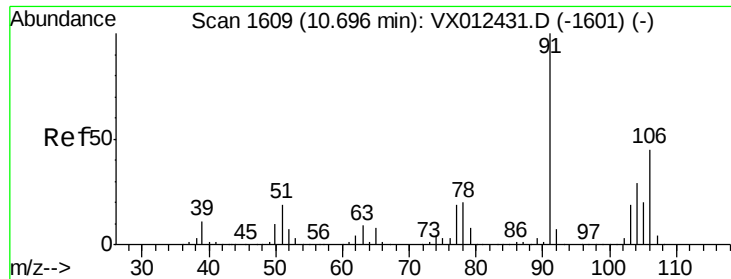
MMDadoda
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#68
m/p-Xylenes
Concen: 105.279 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion: 106 Resp: 280144
Ion Ratio Lower Upper
106 100
91 206.4 166.6 250.0





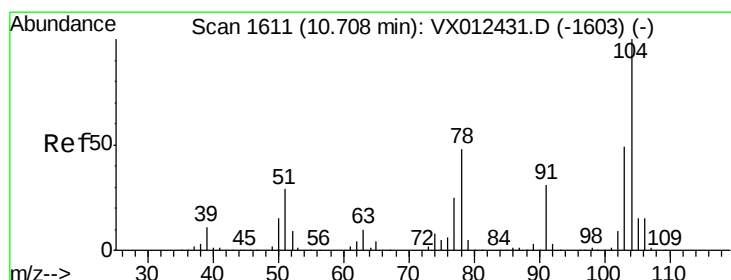
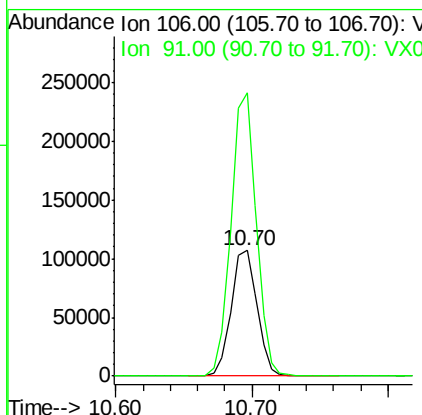
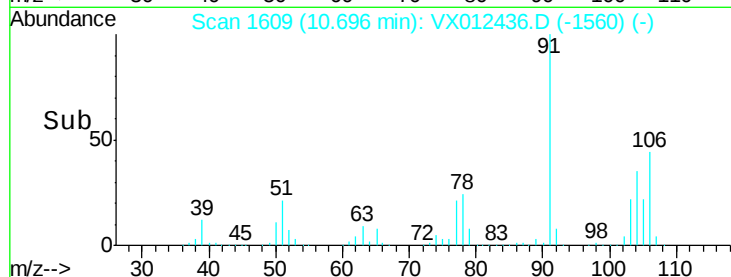
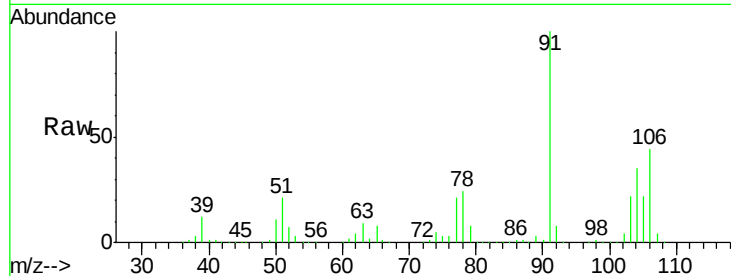
#69
o-Xylene
Concen: 51.766 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 141660
Ion Ratio Lower Upper
106 100
91 220.3 109.4 328.2

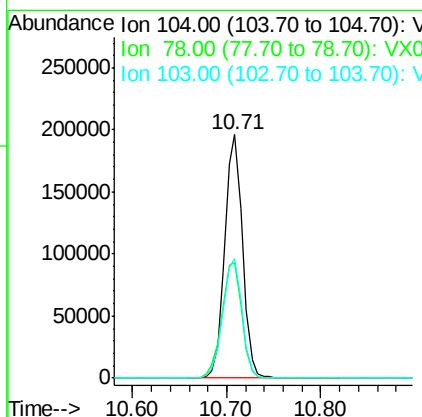
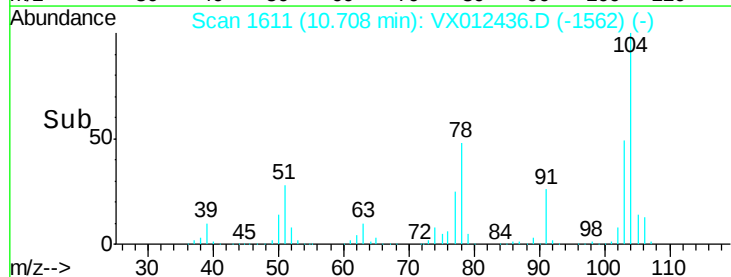
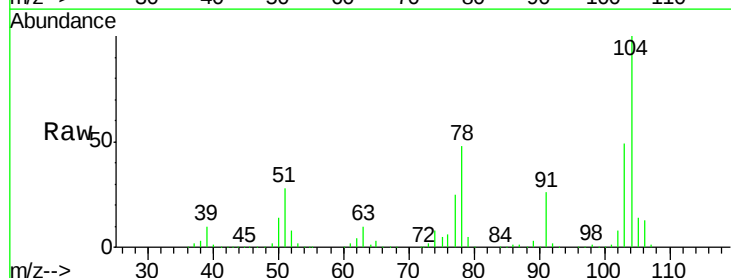
Manual Integrations
APPROVED

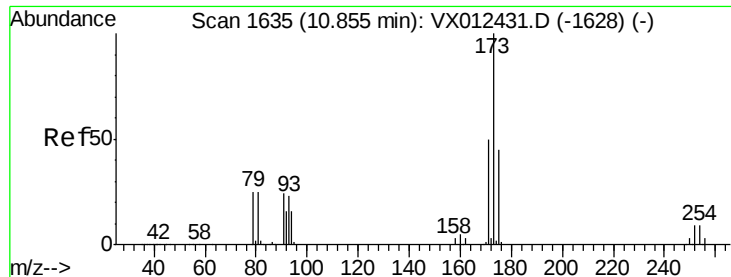
MMDadoda
9/18/2019 11:20:24 AM



#70
Styrene
Concen: 52.895 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion:104 Resp: 256109
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.2
103 53.4 43.3 64.9





#71

Bromoform

Concen: 46.055 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 69690

Ion Ratio Lower Upper

173 100

175 47.5 23.7 71.1

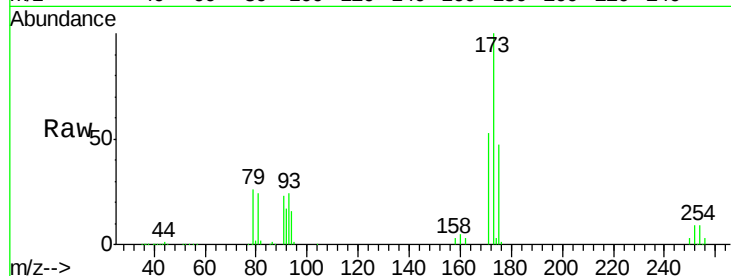
254 0.1 0.1 0.1#

Manual Integrations

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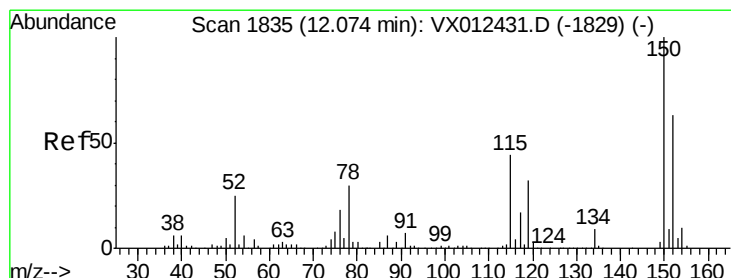
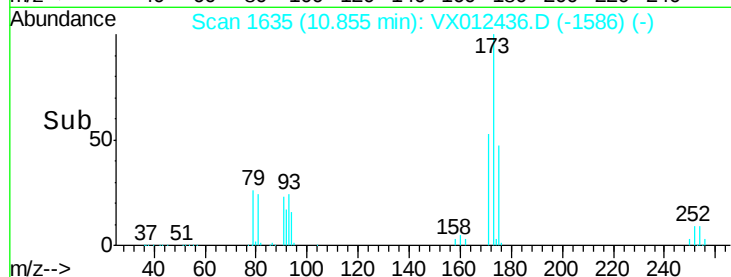
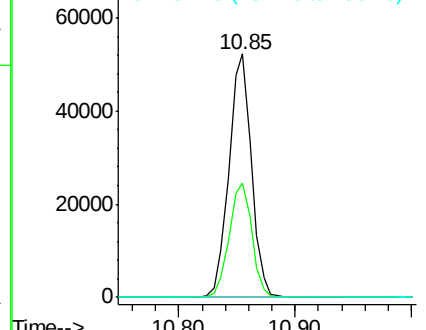
9/18/2019 11:20:24 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

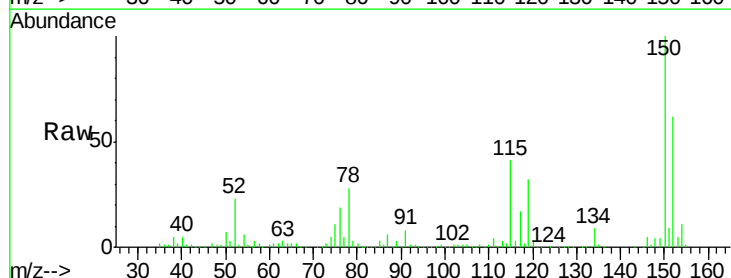
Tgt Ion:152 Resp: 128505

Ion Ratio Lower Upper

152 100

115 85.6 44.1 132.3

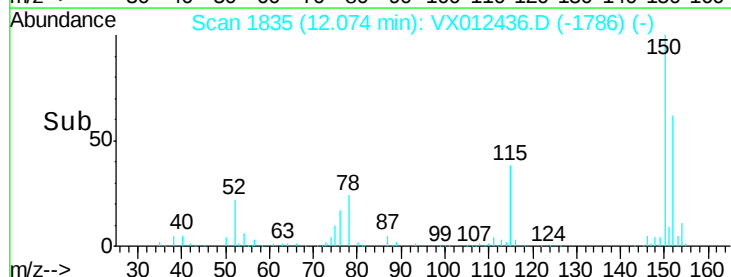
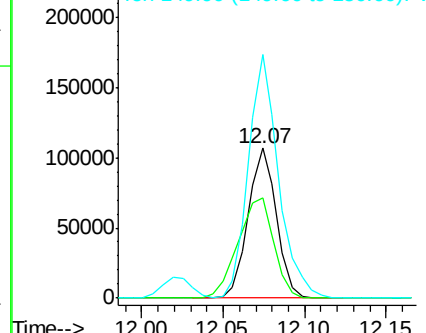
150 174.3 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.158 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 404422

Ion Ratio Lower Upper

105 100

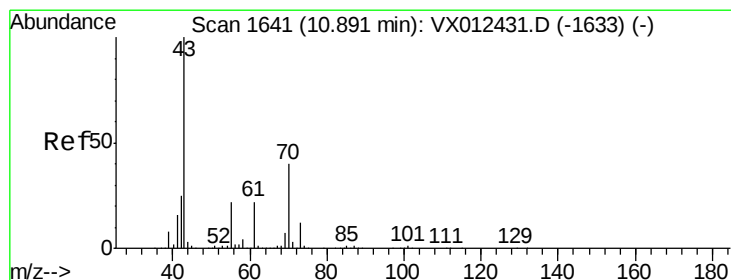
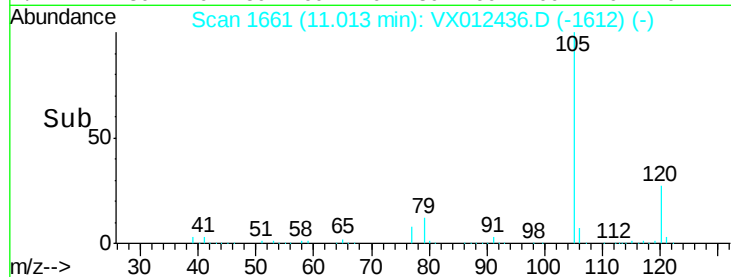
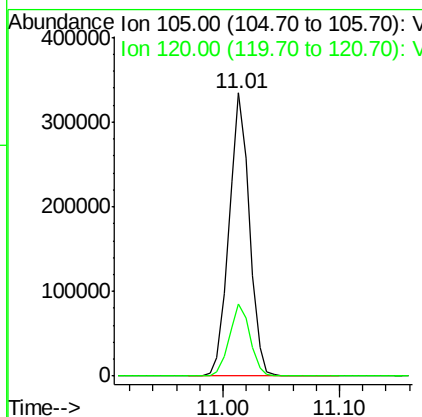
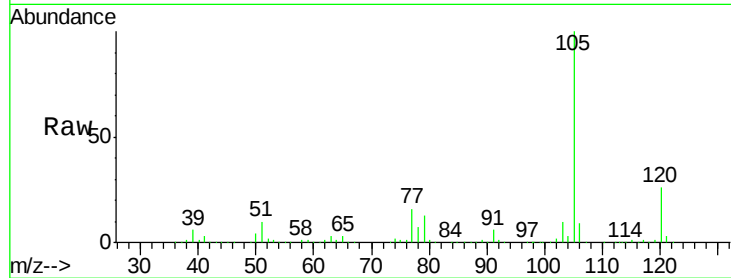
120 26.0 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.441 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion: 43 Resp: 214619

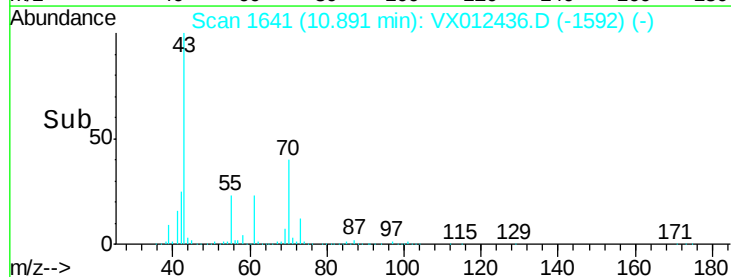
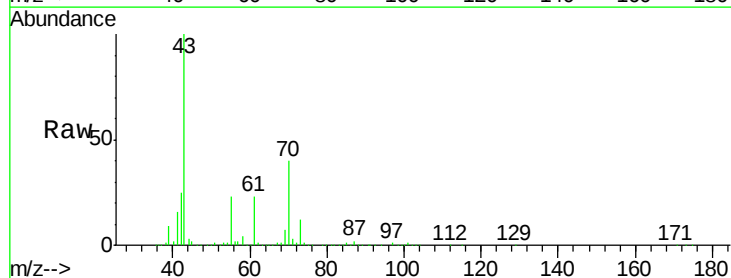
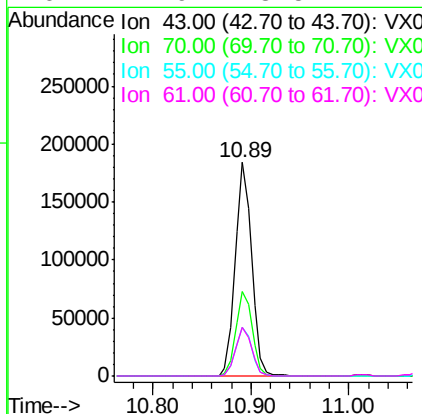
Ion Ratio Lower Upper

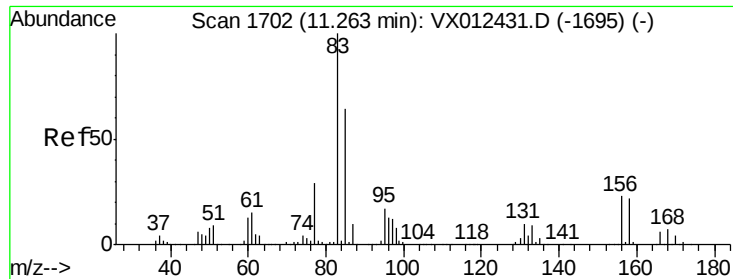
43 100

70 40.1 32.4 48.6

55 23.0 18.2 27.4

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.599 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

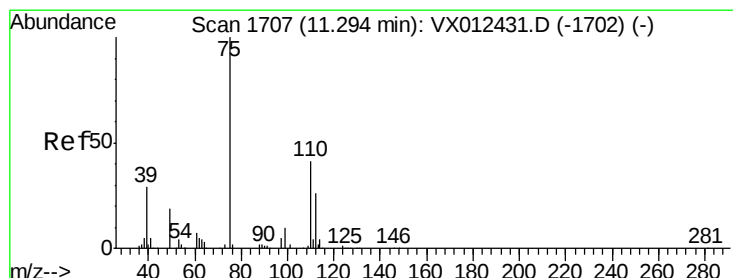
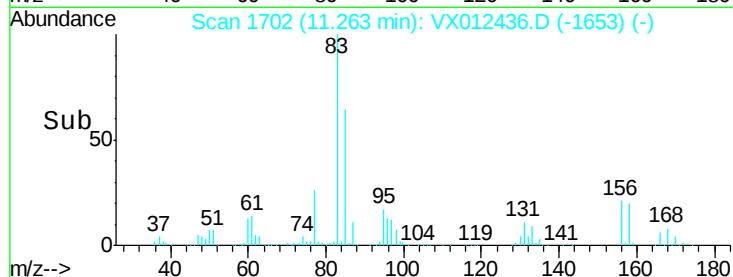
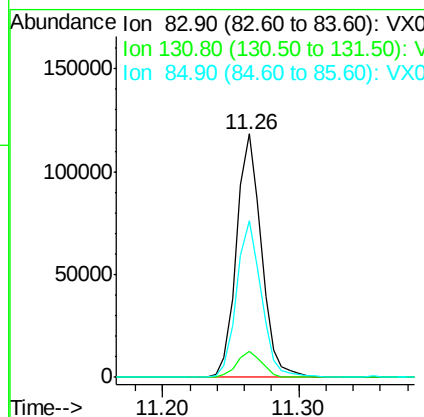
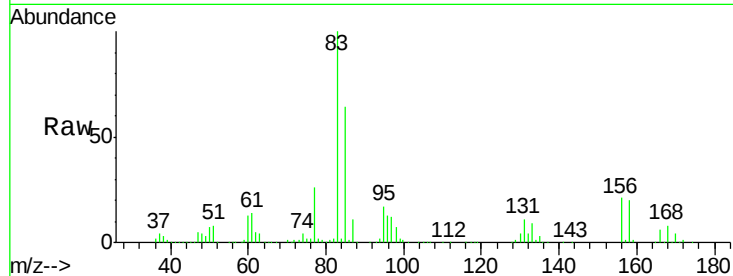
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	150550
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.2	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.951 ug/l m

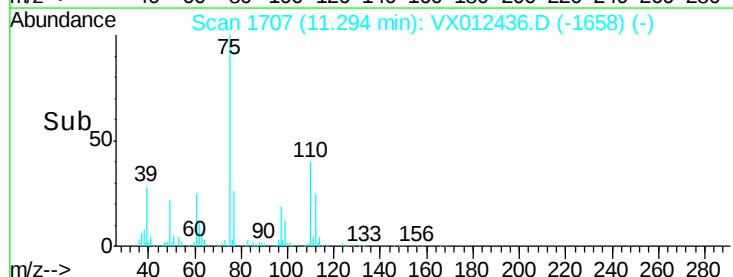
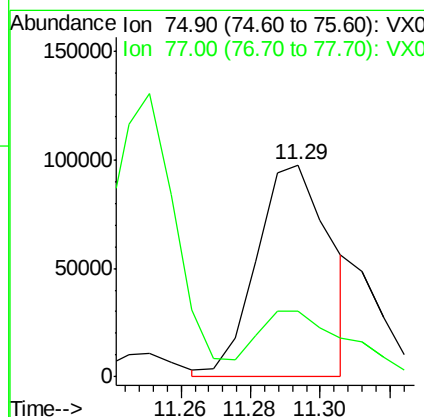
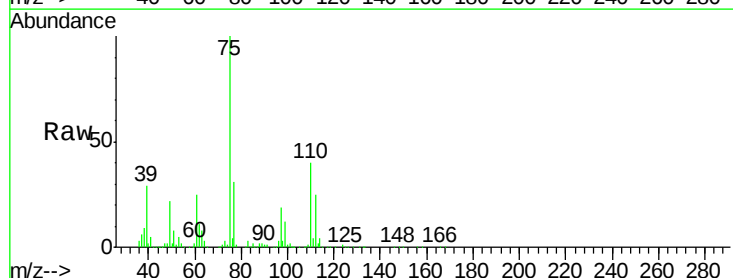
RT: 11.29 min Scan# 1707

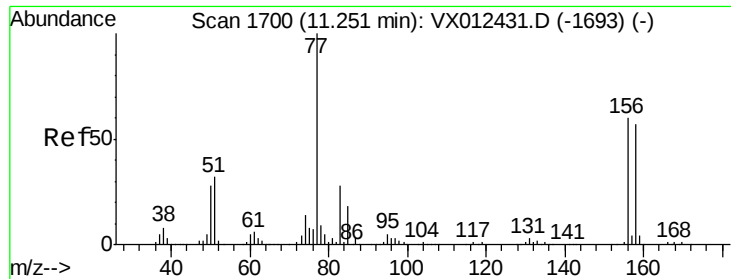
Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion:	75	Resp:	144495
Ion Ratio	Lower	Upper	
75	100		
77	37.7	19.7	59.0





#77

Bromobenzene

Concen: 49.512 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

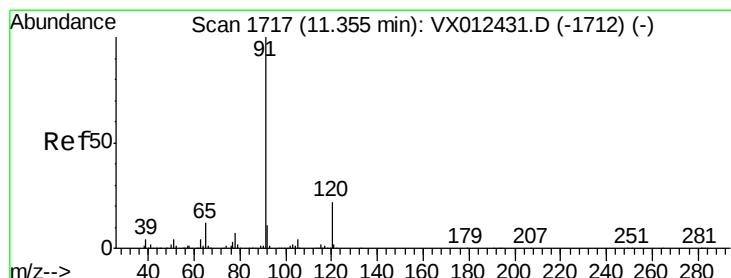
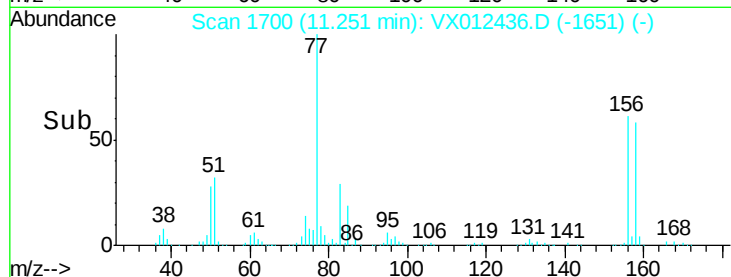
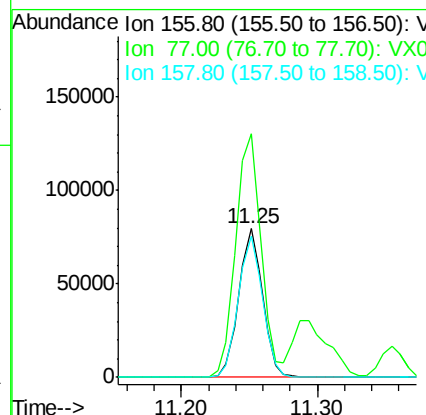
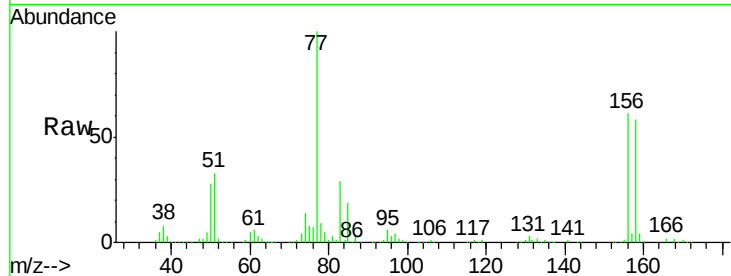
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.1	87.3	261.8
158	97.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.398 ug/l

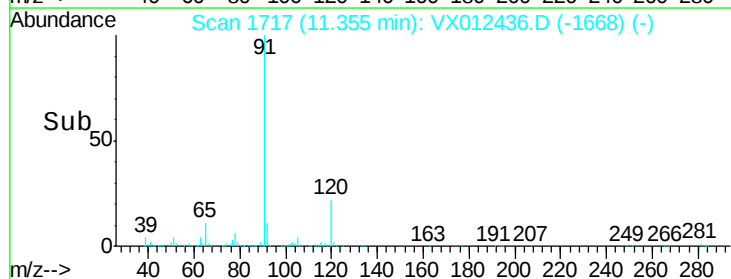
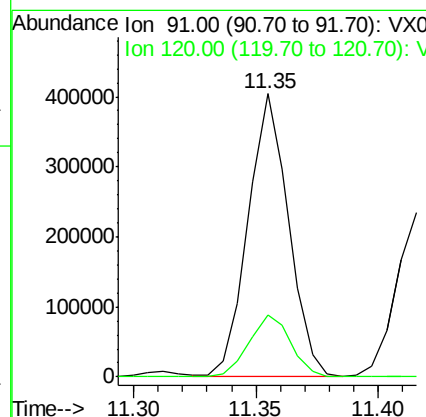
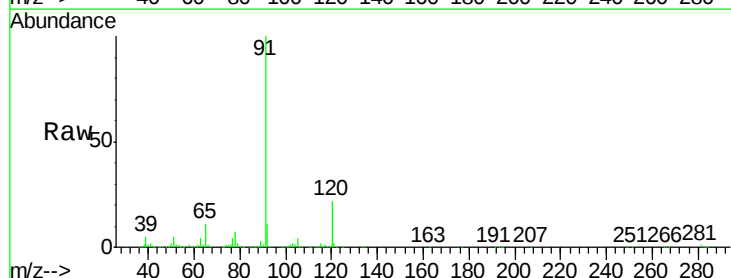
RT: 11.35 min Scan# 1717

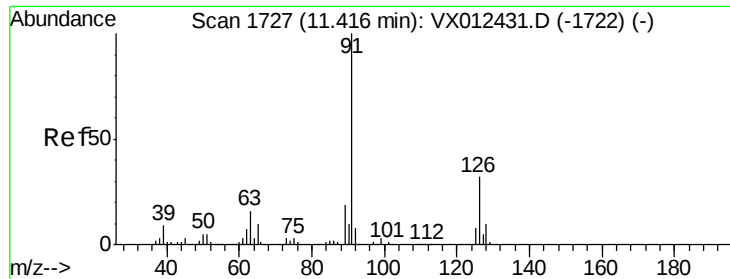
Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 49.026 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 286614

Ion Ratio Lower Upper

91 100

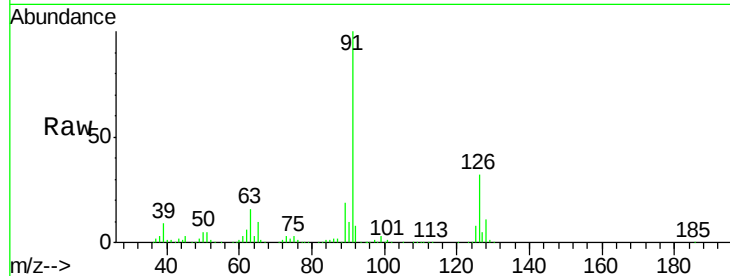
126 32.7 16.4 49.4

Manual Integrations

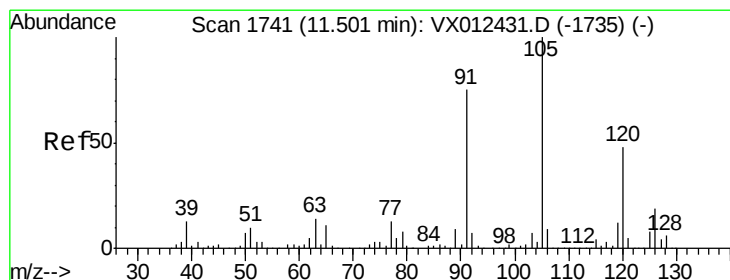
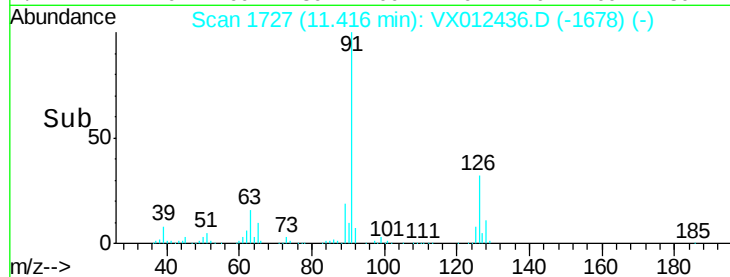
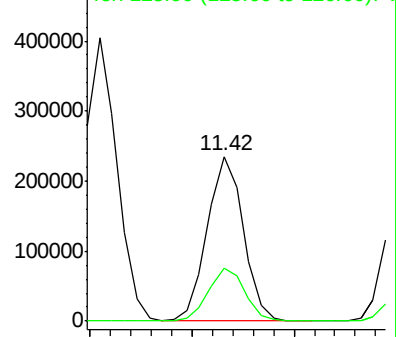
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Abundance Ion 91.00 (90.70 to 91.70): VX012436.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.097 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012436.D

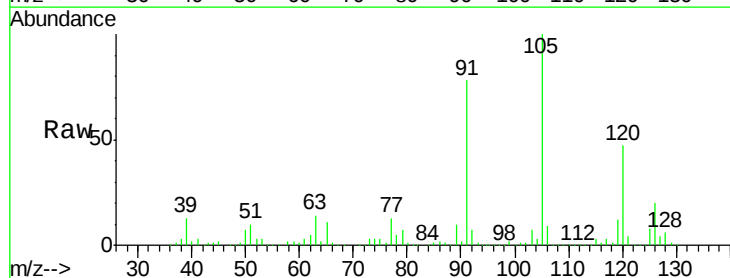
Acq: 17 Sep 2019 16:24

Tgt Ion: 105 Resp: 358236

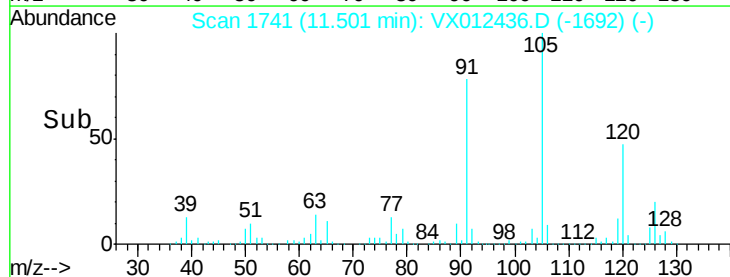
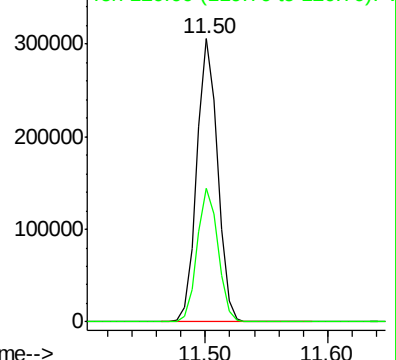
Ion Ratio Lower Upper

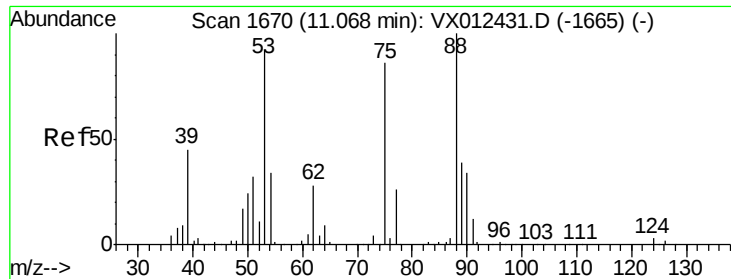
105 100

120 47.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012436.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.235 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012436.D

Acq: 17 Sep 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 48299

Ion Ratio Lower Upper

75 100

53 106.9 83.6 125.4

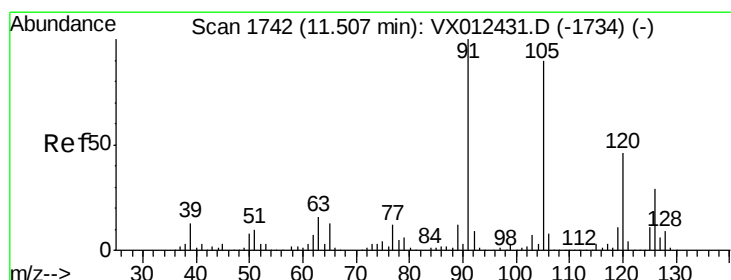
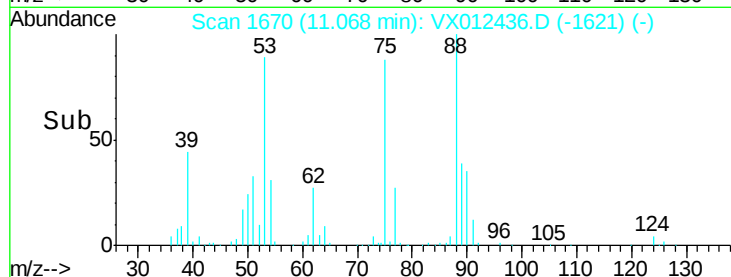
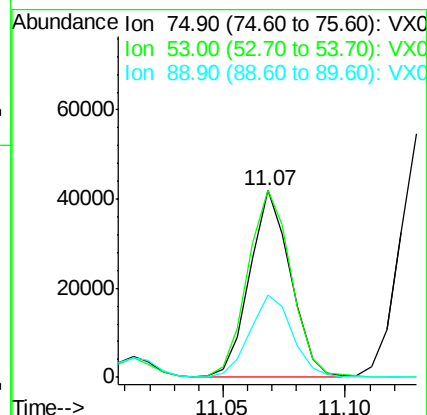
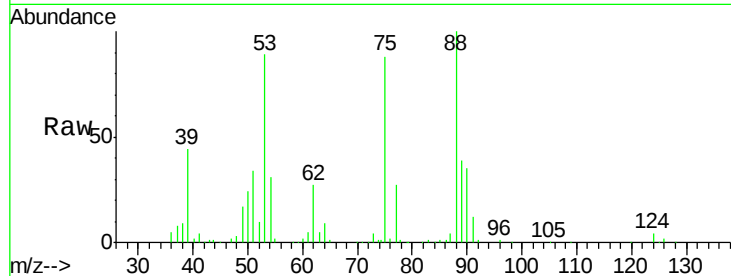
89 46.3 36.3 54.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 50.830 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012436.D

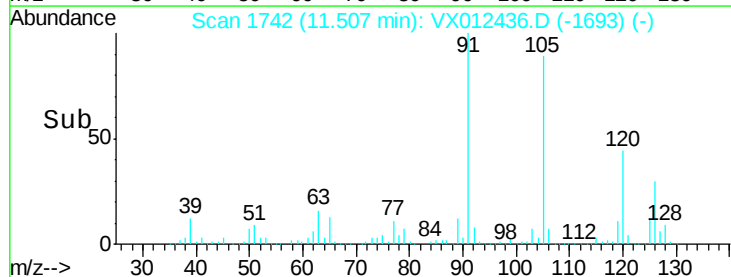
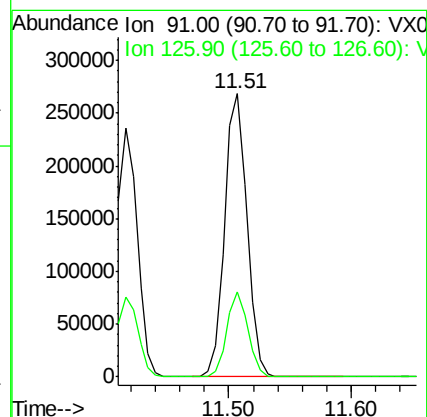
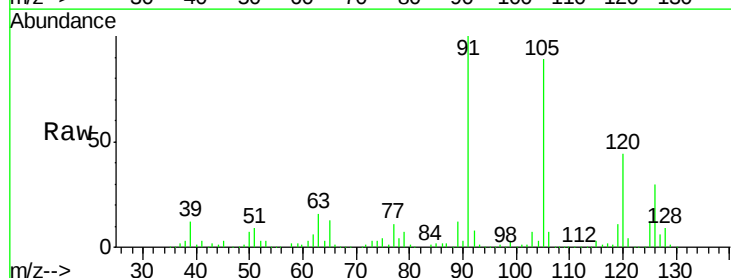
Acq: 17 Sep 2019 16:24

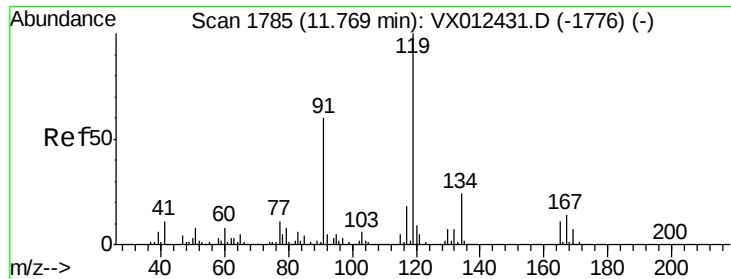
Tgt Ion: 91 Resp: 341054

Ion Ratio Lower Upper

91 100

126 28.6 14.4 43.0





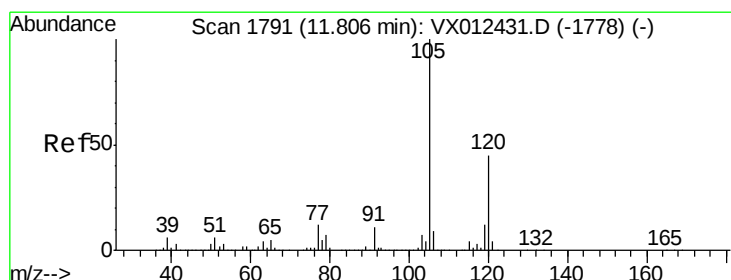
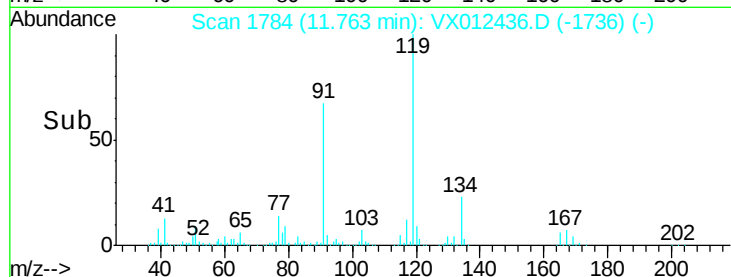
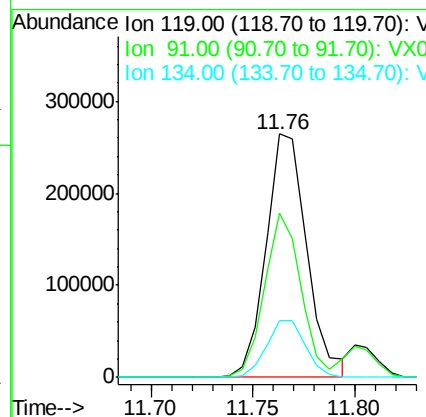
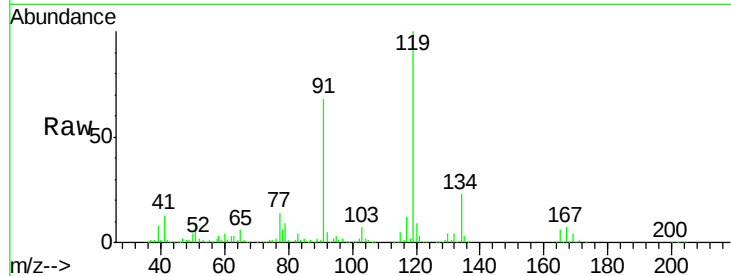
#83
tert-Butylbenzene
Concen: 50.005 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	368455		
91	60.3	30.0	90.0	
134	22.7	11.3	33.9	

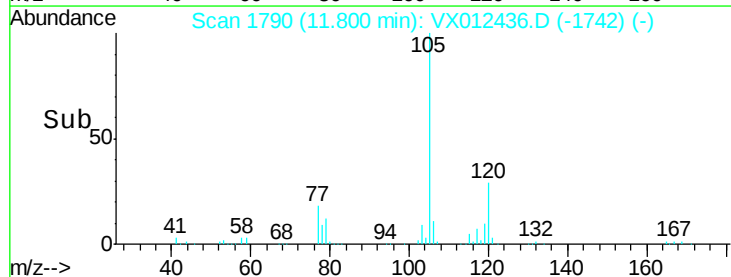
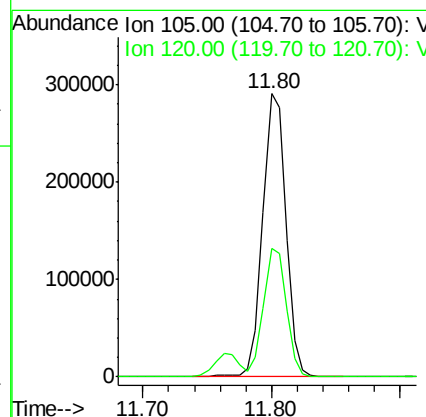
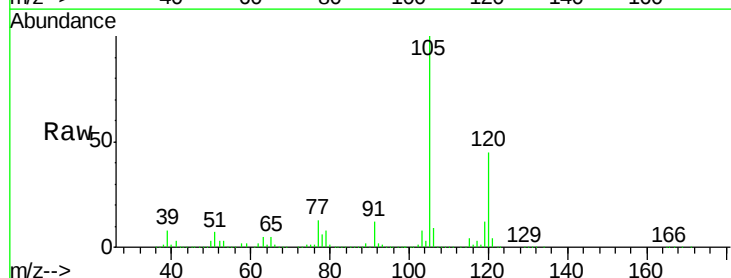
Manual Integrations
APPROVED

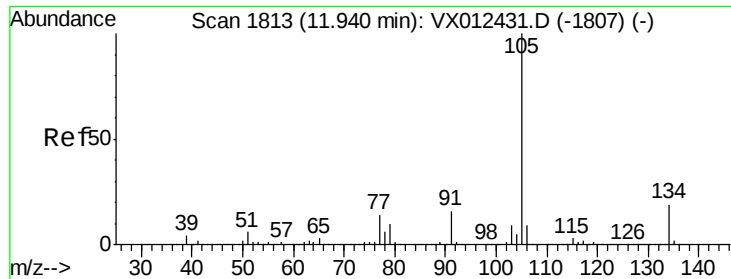
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#84
1,2,4-Trimethylbenzene
Concen: 50.999 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360074		
120	44.4	22.2	66.6	





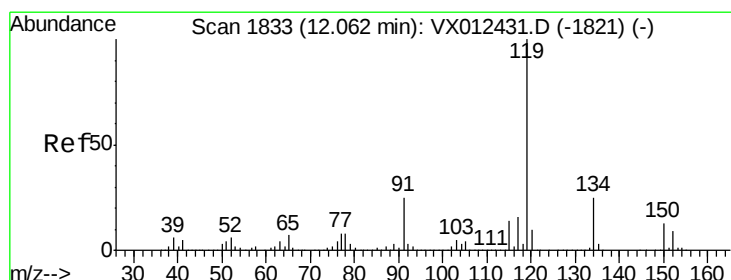
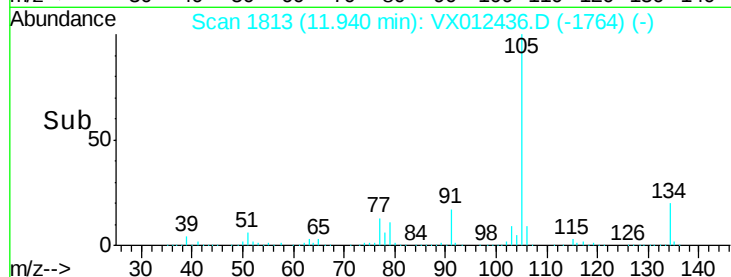
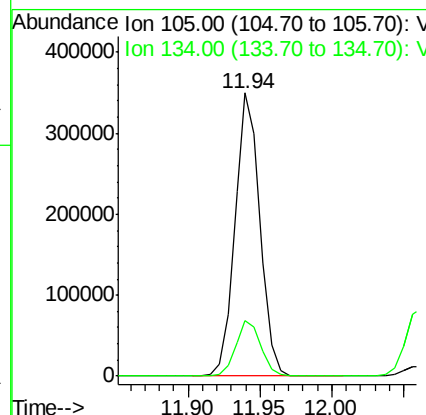
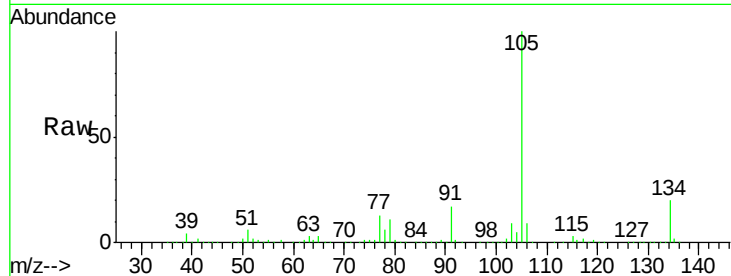
#85
 sec-Butylbenzene
 Concen: 52.082 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 422872
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4

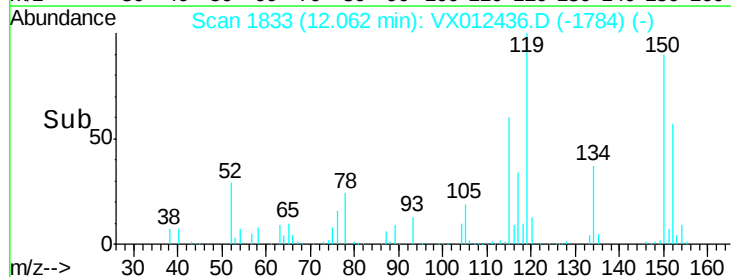
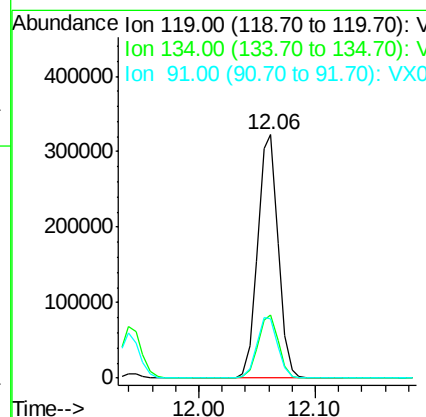
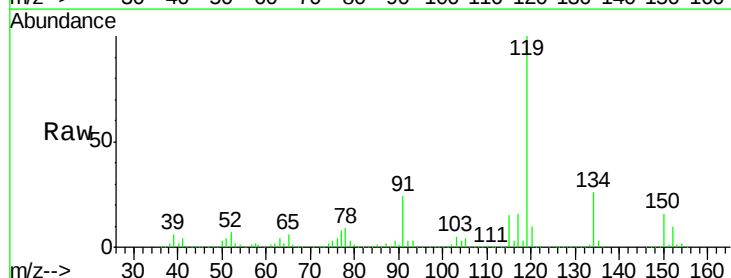
Manual Integrations
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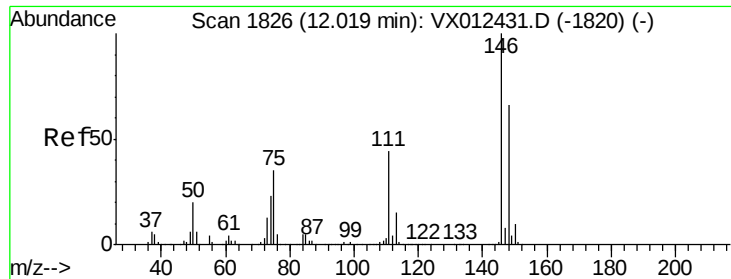
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#86
 p-Isopropyltoluene
 Concen: 52.991 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion:119 Resp: 395083
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 25.5 12.8 38.4





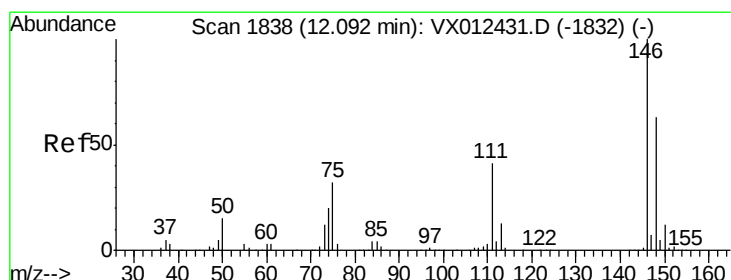
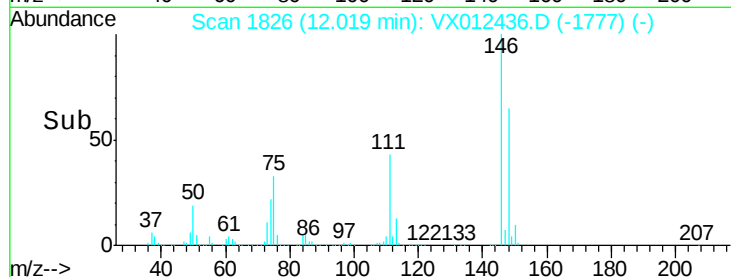
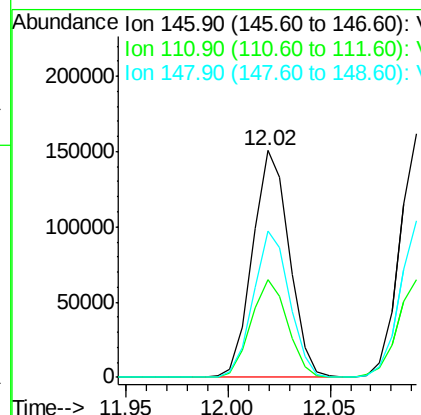
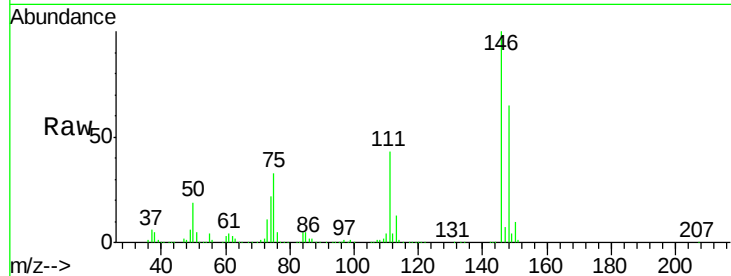
#87
 1,3-Dichlorobenzene
 Concen: 51.002 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	64.0
148	63.6	32.4	97.2

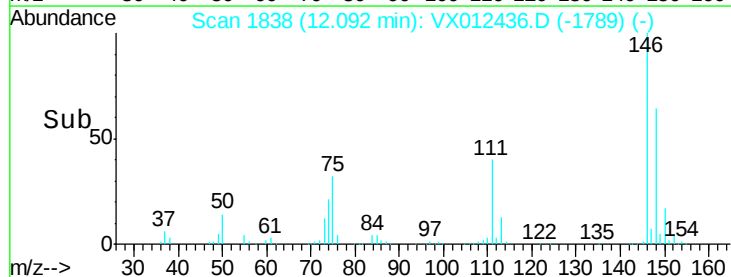
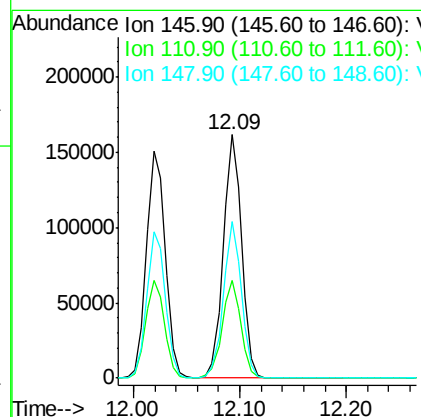
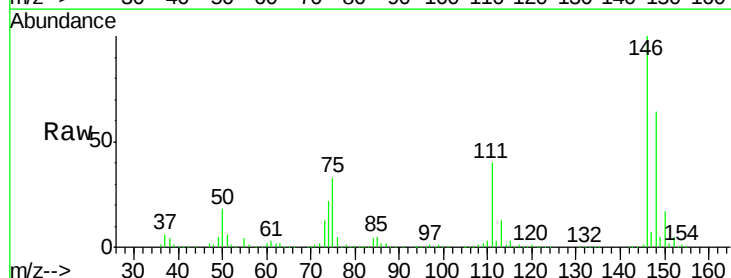
Manual Integrations
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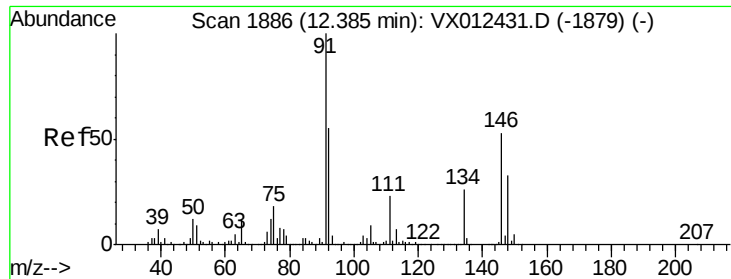
MMDadoda
 9/18/2019 11:20:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.001 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.3
148	62.9	32.1	96.5





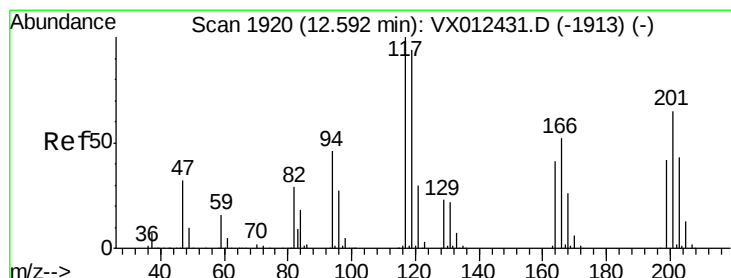
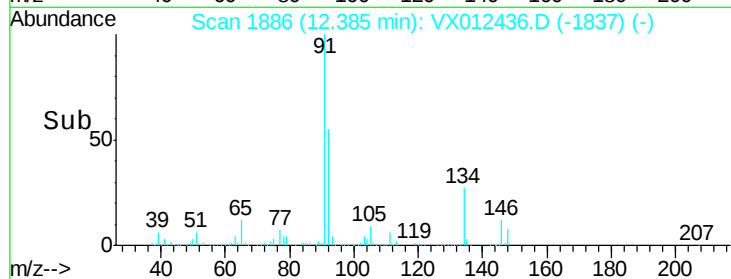
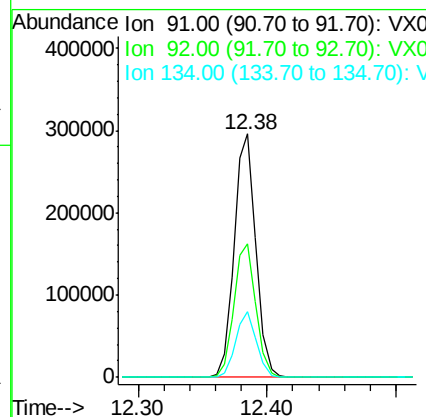
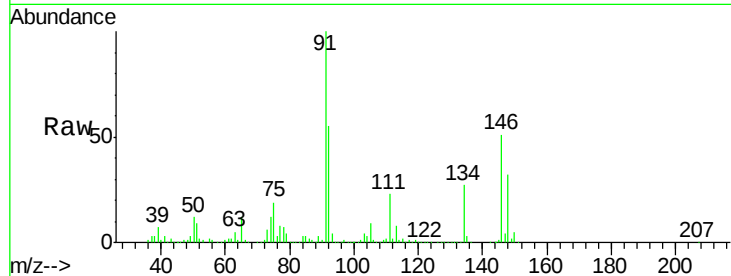
#89
n-Butylbenzene
Concen: 52.393 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.7	83.0
134	25.9	12.9	38.6

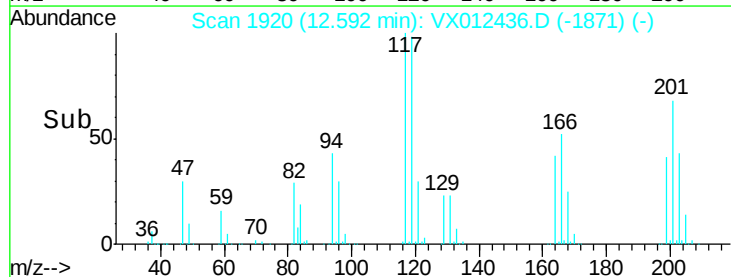
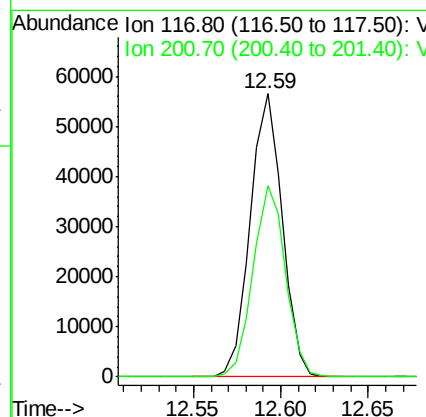
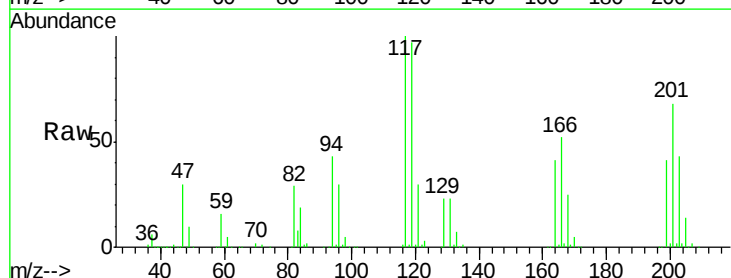
Manual Integrations
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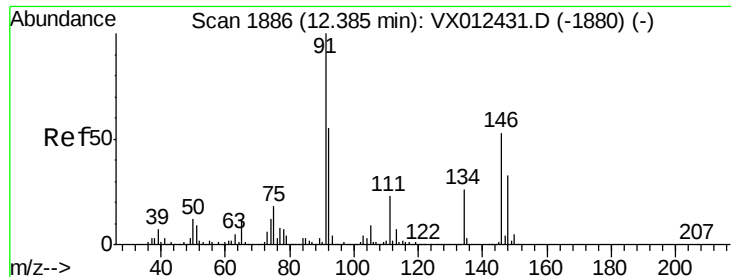
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#90
Hexachloroethane
Concen: 52.643 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	33.3	99.8





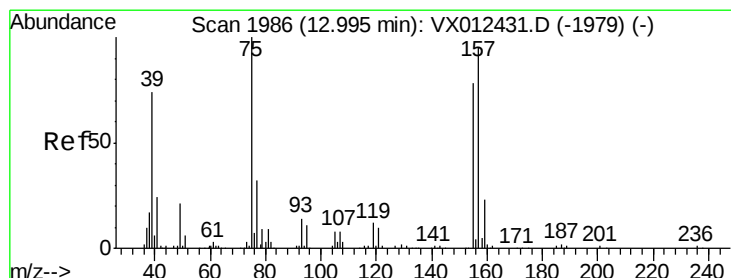
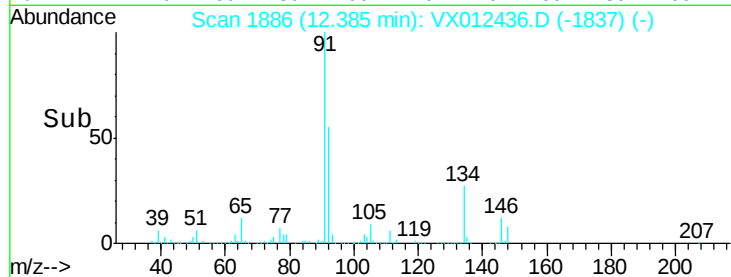
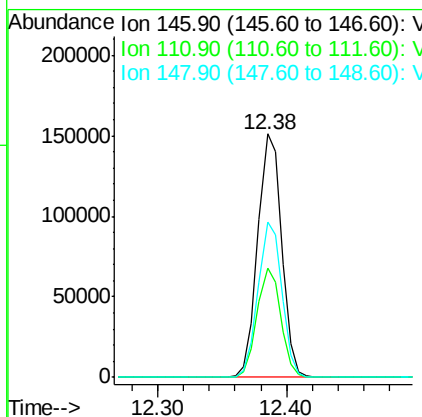
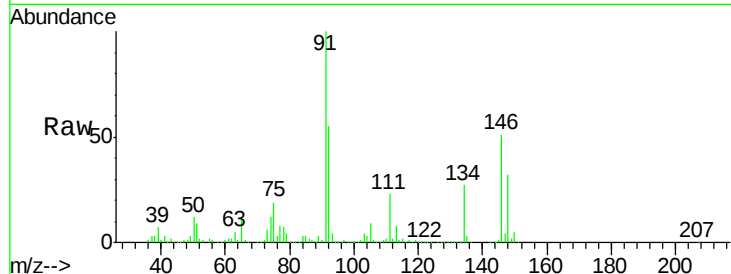
#91
 1,2-Dichlorobenzene
 Concen: 49.905 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192936		
111	44.3	22.1	66.1	
148	63.6	31.3	93.9	

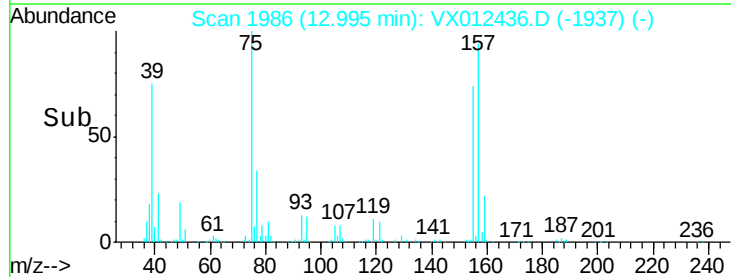
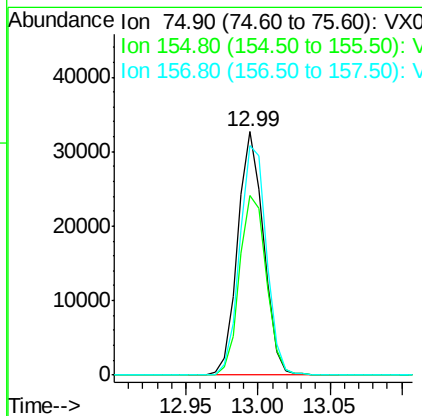
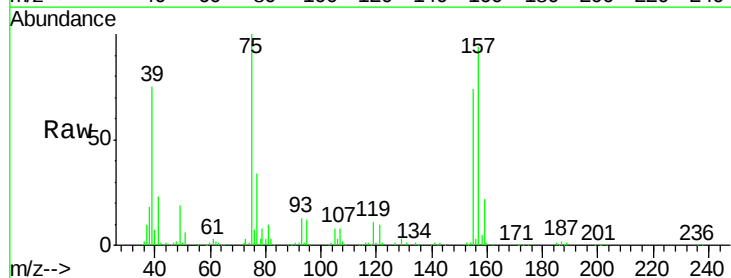
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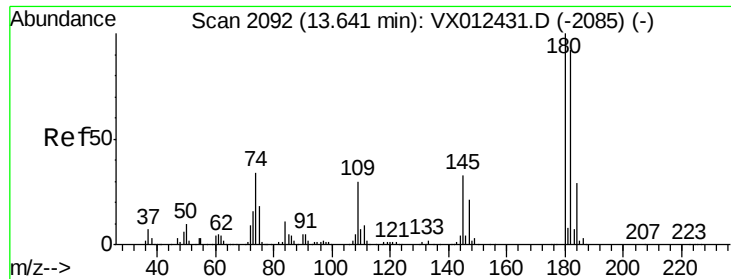
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.941 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40951		
155	76.2	38.6	115.8	
157	96.5	50.6	151.9	





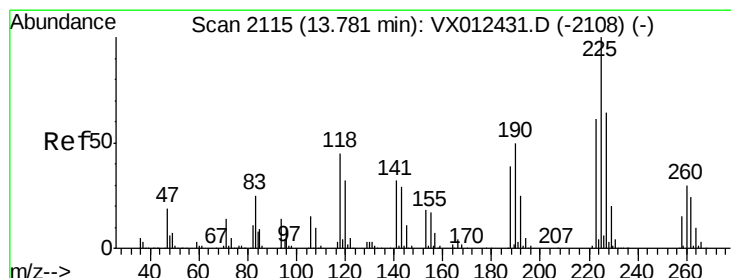
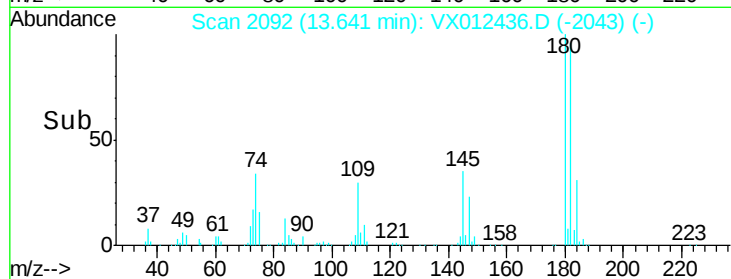
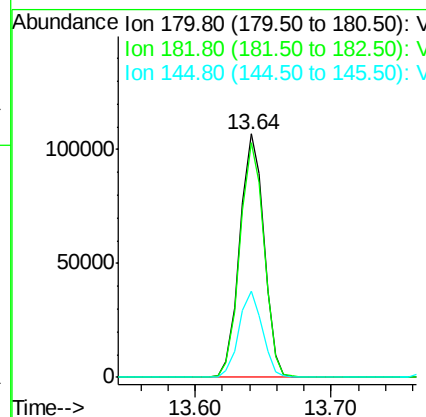
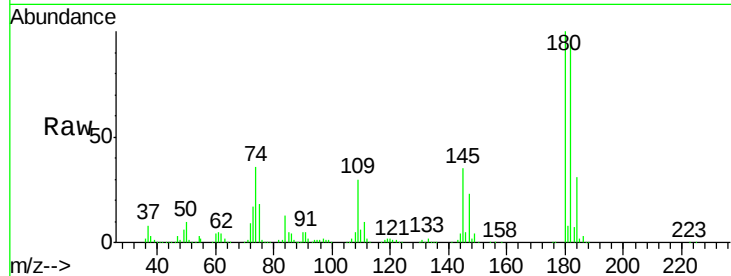
#93
 1,2,4-Trichlorobenzene
 Concen: 53.019 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132030		
182	96.3	47.0	141.0	
145	34.2	16.8	50.4	

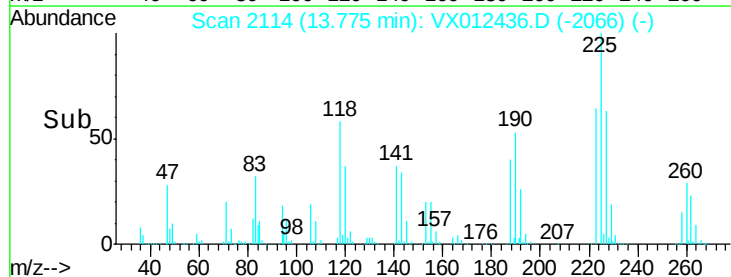
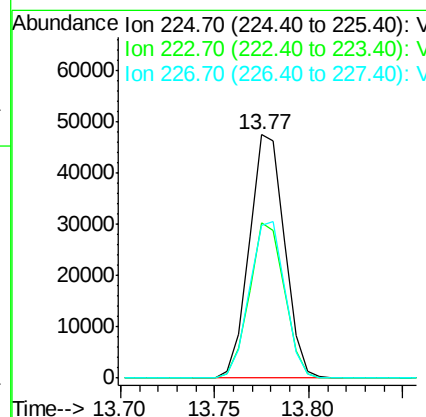
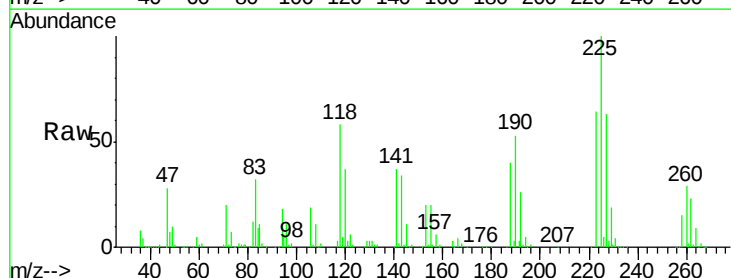
Manual Integrations
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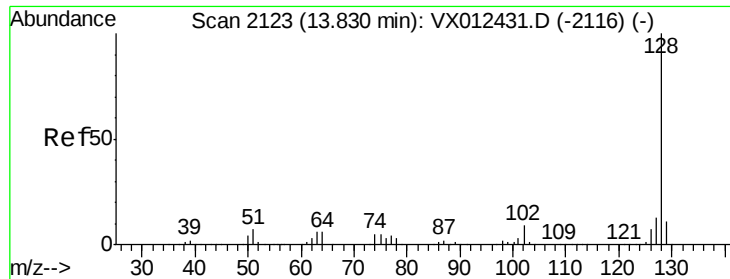
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#94
 Hexachlorobutadiene
 Concen: 52.300 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012436.D
 Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61383		
223	63.3	32.0	96.2	
227	64.6	31.9	95.5	





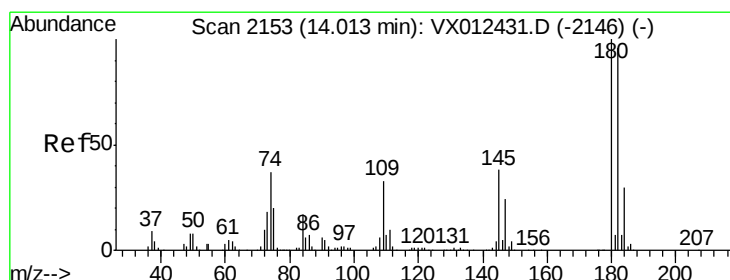
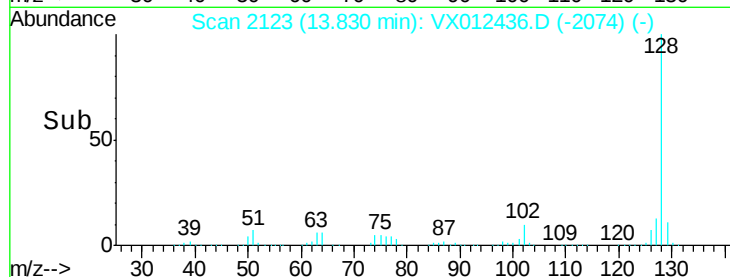
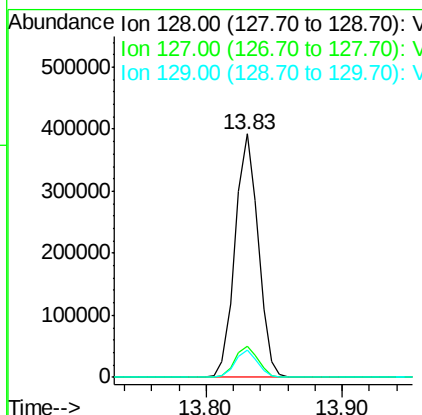
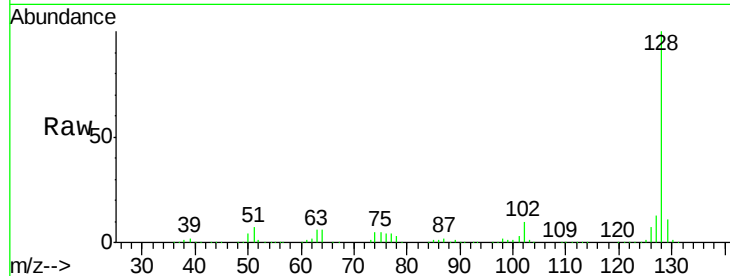
#95
Naphthalene
Concen: 52.358 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.563 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012436.D
Acq: 17 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	36.0	18.0	54.0

