

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112719\
 Data File : VX013641.D
 Acq On : 27 Nov 2019 10:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 12:48:04 PM

Quant Time: Nov 28 00:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	667117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1000150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	903432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	360220	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.48	113	291980	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	8.71	98	1119468	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.14	95	406741	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	379738	51.140	ug/l	98
3) Chloromethane	1.32	50	397143	47.666	ug/l	99
4) Vinyl Chloride	1.40	62	458254	48.867	ug/l	100
5) Bromomethane	1.63	94	283739	45.054	ug/l	100
6) Chloroethane	1.71	64	246012	46.101	ug/l	97
7) Trichlorofluoromethane	1.92	101	492031	47.252	ug/l	99
8) Diethyl Ether	2.18	74	232705	49.397	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	306269	48.152	ug/l	98
10) Methyl Iodide	2.50	142	384158	49.930	ug/l	100
11) Tert butyl alcohol	3.03	59	387179	202.563	ug/l	100
12) 1,1-Dichloroethene	2.36	96	302272	47.611	ug/l	97
13) Acrolein	2.28	56	285136	223.707	ug/l	99
14) Allyl chloride	2.72	41	550583	47.788	ug/l	99
15) Acrylonitrile	3.13	53	938366	237.834	ug/l	100
16) Acetone	2.43	43	1073036	280.666	ug/l	100
17) Carbon Disulfide	2.56	76	836419	46.215	ug/l	99
18) Methyl Acetate	2.76	43	525931	49.401	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1051578	49.999	ug/l	99
20) Methylene Chloride	2.84	84	346432	47.166	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	329660	47.664	ug/l	99
22) Diisopropyl ether	3.84	45	1095043	49.360	ug/l	97
23) Vinyl Acetate	3.80	43	4620452	250.356	ug/l	100
24) 1,1-Dichloroethane	3.69	63	583605	48.122	ug/l	98
25) 2-Butanone	4.65	43	1461649	257.244	ug/l	100
26) 2,2-Dichloropropane	4.57	77	482544	48.090	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	377244	47.496	ug/l	99
28) Bromochloromethane	5.00	49	238336	49.730	ug/l	99
29) Tetrahydrofuran	5.11	42	842213	240.443	ug/l	99
30) Chloroform	5.20	83	573067	46.593	ug/l	99
31) Cyclohexane	5.56	56	540723	47.271	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	489719	47.647	ug/l	99
36) 1,1-Dichloropropene	5.79	75	439904	48.454	ug/l	100
37) Ethyl Acetate	4.81	43	509237	49.998	ug/l	100
38) Carbon Tetrachloride	5.77	117	422394	50.456	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	565123	50.357	ug/l	99
40) Benzene	6.13	78	1334372	48.257	ug/l	98
41) Methacrylonitrile	5.03	41	291156	52.125	ug/l	99
42) 1,2-Dichloroethane	6.18	62	474730	50.341	ug/l	100
43) Isopropyl Acetate	6.43	43	833093	49.684	ug/l	99
44) Trichloroethene	7.20	130	368544	48.564	ug/l	99
45) 1,2-Dichloropropane	7.51	63	352828	51.000	ug/l	99
46) Dibromomethane	7.65	93	235101	50.035	ug/l	99
47) Bromodichloromethane	7.89	83	455442	51.273	ug/l	96
48) Methyl methacrylate	7.76	41	421055	51.682	ug/l	99
49) 1,4-Dioxane	7.73	88	157599	864.201	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2594067	245.944	ug/l	100
52) Toluene	8.78	92	849757	49.468	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	518143	51.247	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	571980	51.781	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	351555	50.785	ug/l	99
56) Ethyl methacrylate	9.17	69	573688	51.547	ug/l	99
57) 1,3-Dichloropropane	9.37	76	591985	49.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1079978	247.498	ug/l	99
59) 2-Hexanone	9.48	43	2080034	252.855	ug/l	99
60) Dibromochloromethane	9.57	129	370790	51.613	ug/l	99
61) 1,2-Dibromoethane	9.67	107	365415	49.424	ug/l	100
64) Tetrachloroethene	9.33	164	344315	51.106	ug/l	98
65) Chlorobenzene	10.14	112	908676	48.444	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	342903	50.910	ug/l	99
67) Ethyl Benzene	10.25	91	1622987	50.353	ug/l	100
68) m/p-Xylenes	10.35	106	1235502	100.120	ug/l	100
69) o-Xylene	10.70	106	600138	49.865	ug/l	99
70) Styrene	10.71	104	1036389	51.191	ug/l	100
71) Bromoform	10.85	173	293016	52.577	ug/l #	100
73) Isopropylbenzene	11.01	105	1586184	49.782	ug/l	100
74) N-amyl acetate	10.89	43	742481	50.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	544523	49.279	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	438951m	42.965	ug/l	
77) Bromobenzene	11.25	156	420625	48.866	ug/l	99
78) n-propylbenzene	11.35	91	1809401	50.871	ug/l	100
79) 2-Chlorotoluene	11.42	91	1053927	49.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1337896	51.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191330	51.235	ug/l	98
82) 4-Chlorotoluene	11.51	91	1223707	49.518	ug/l	100
83) tert-Butylbenzene	11.76	119	1322350	49.825	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1344152	50.716	ug/l	100
85) sec-Butylbenzene	11.94	105	1541872	50.863	ug/l	100
86) p-Isopropyltoluene	12.06	119	1440889	51.093	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	747584	49.823	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	738923	48.348	ug/l	99
89) n-Butylbenzene	12.39	91	1275523	53.030	ug/l	100
90) Hexachloroethane	12.59	117	253738	49.778	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	735103	49.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	116844	48.558	ug/l	98

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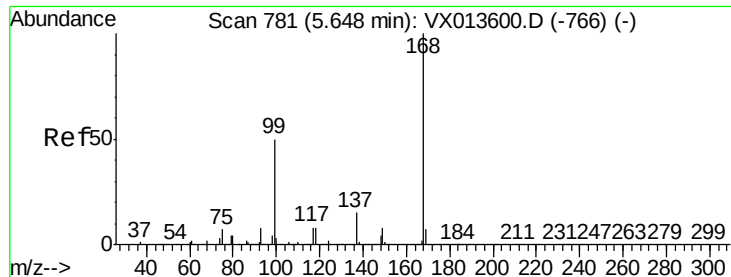
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	532463	51.534	ug/l	99
94) Hexachlorobutadiene	13.78	225	248589	50.085	ug/l	99
95) Naphthalene	13.83	128	1589636	51.662	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	521425	50.970	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 667117

Ion Ratio Lower Upper

168 100

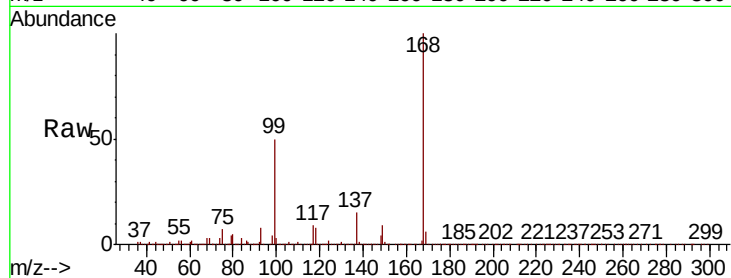
99 49.6 39.8 59.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

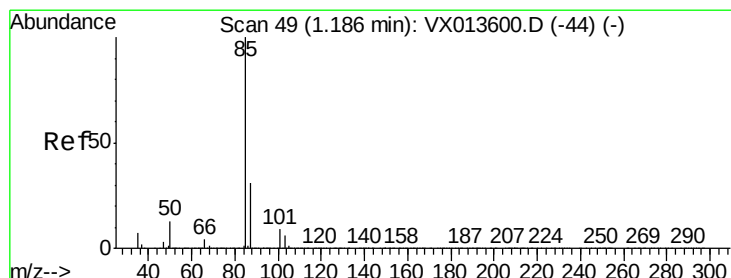
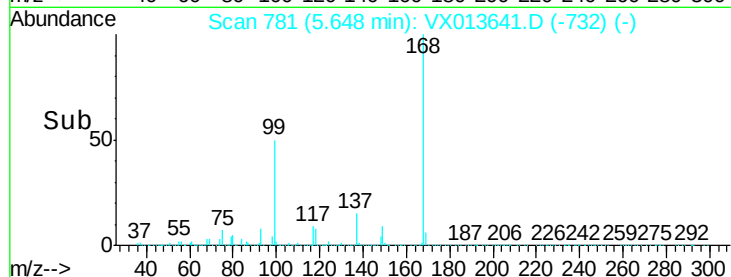
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.140 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013641.D

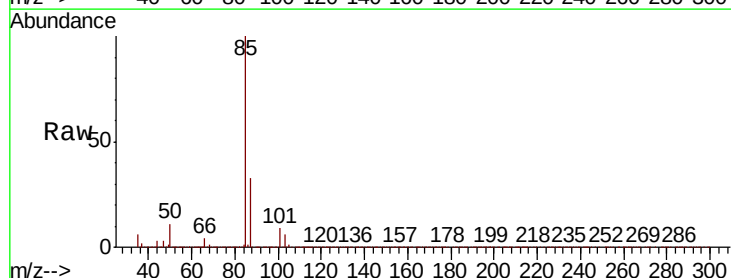
Acq: 27 Nov 2019 10:22

Tgt Ion: 85 Resp: 379738

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

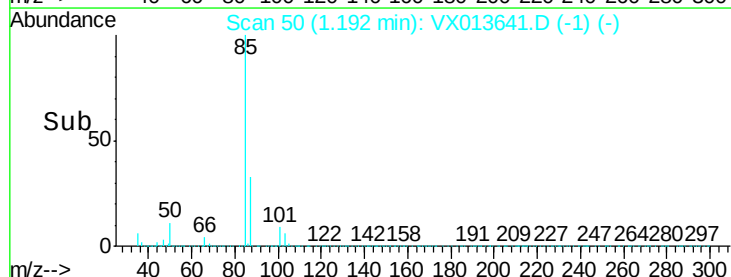
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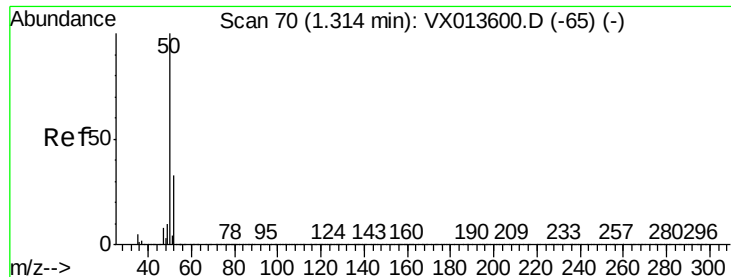
100000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.666 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 397143

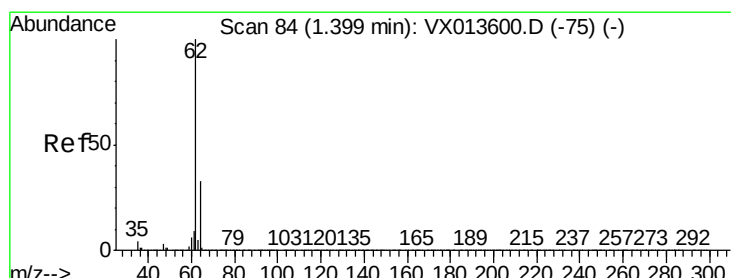
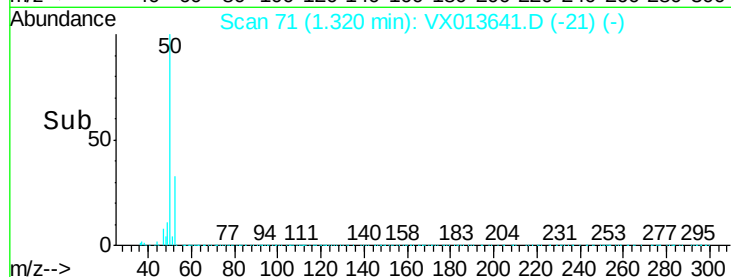
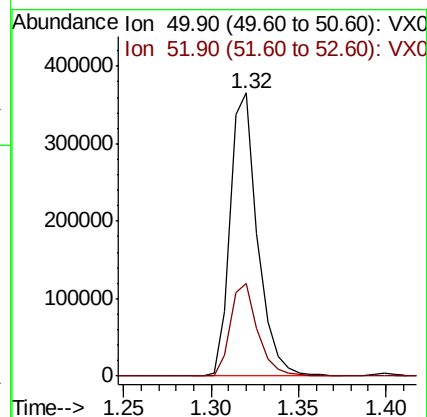
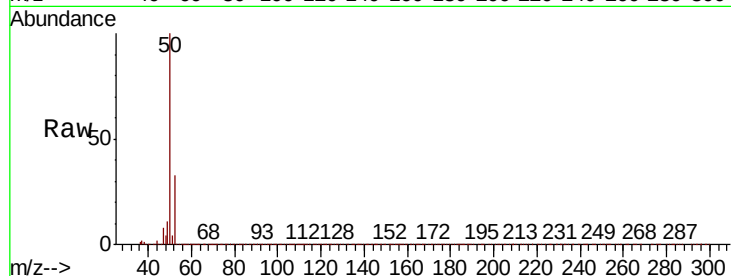
Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 48.867 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013641.D

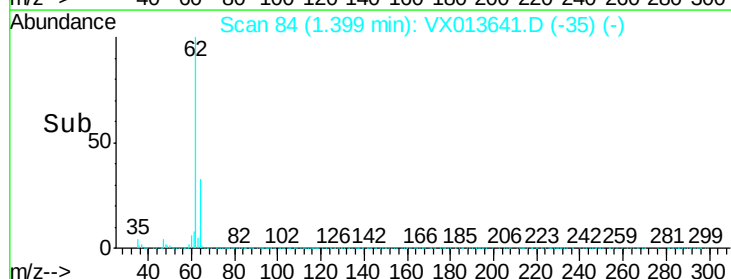
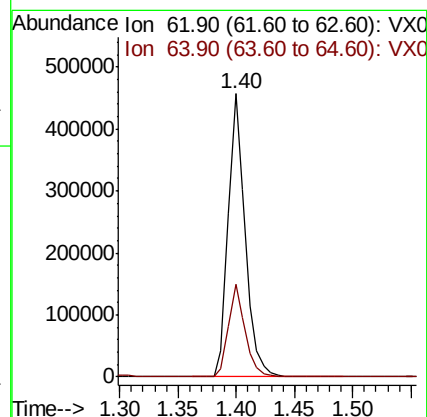
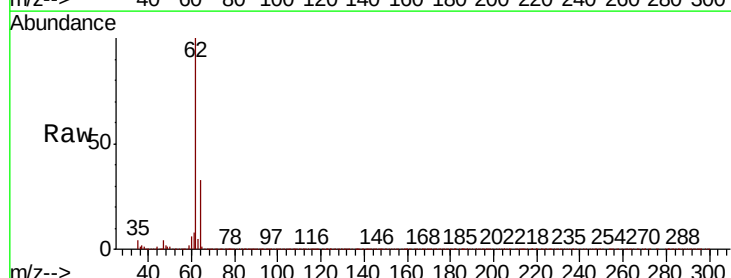
Acq: 27 Nov 2019 10:22

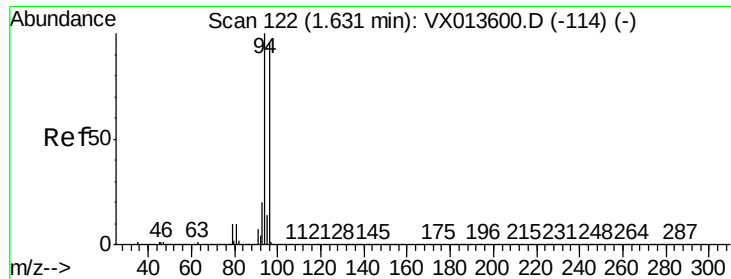
Tgt Ion: 62 Resp: 458254

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 45.054 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 283739

Ion Ratio Lower Upper

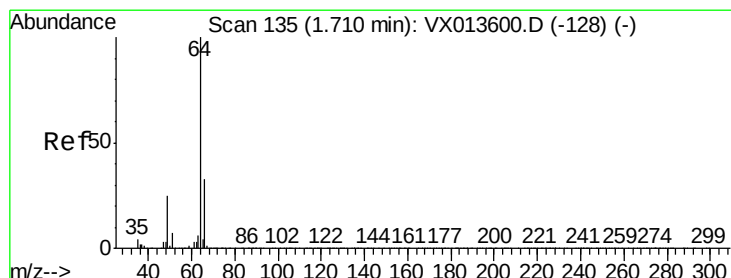
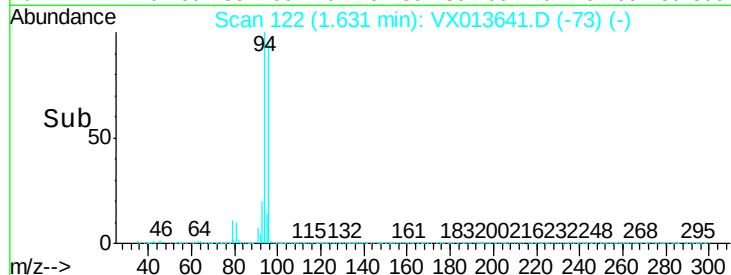
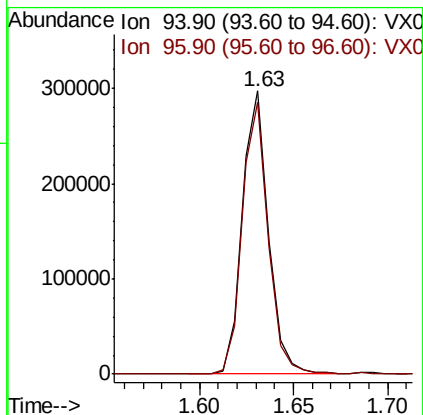
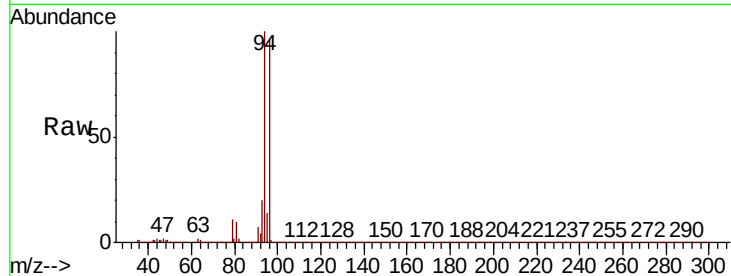
94 100

96 96.0 77.0 115.4

Manual Integrations
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#6

Chloroethane

Concen: 46.101 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013641.D

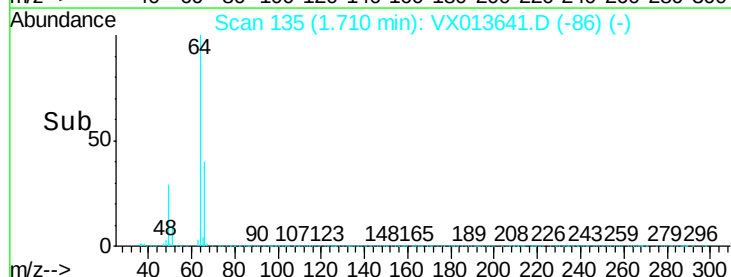
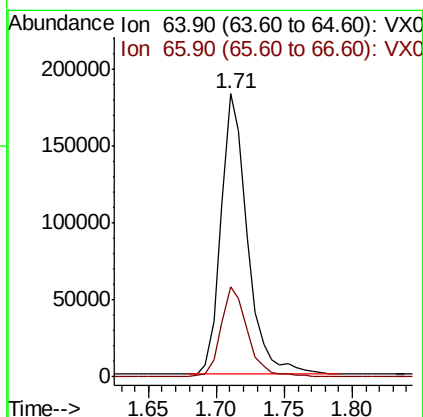
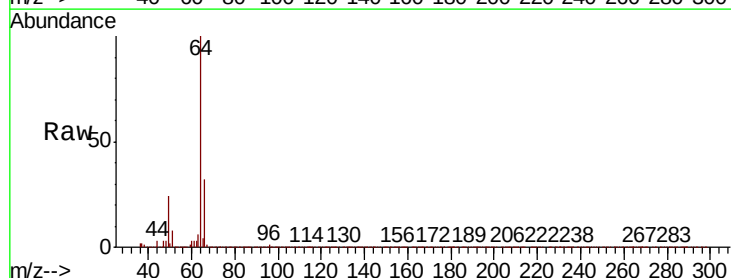
Acq: 27 Nov 2019 10:22

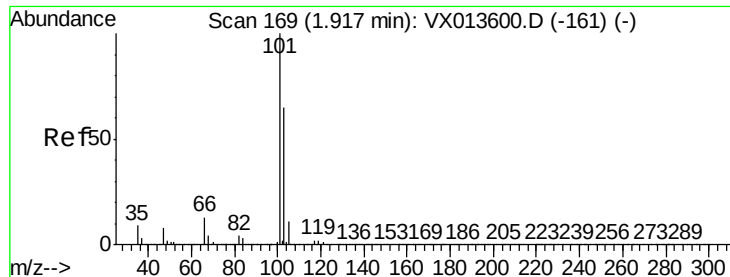
Tgt Ion: 64 Resp: 246012

Ion Ratio Lower Upper

64 100

66 31.8 26.7 40.1





#7

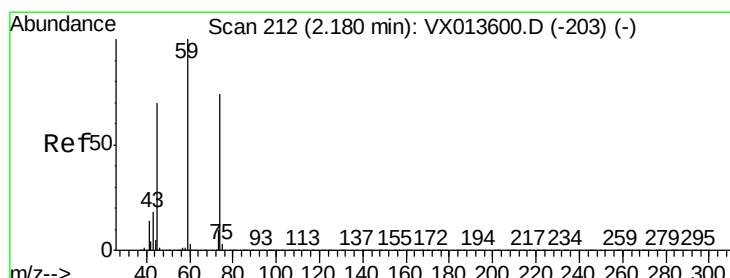
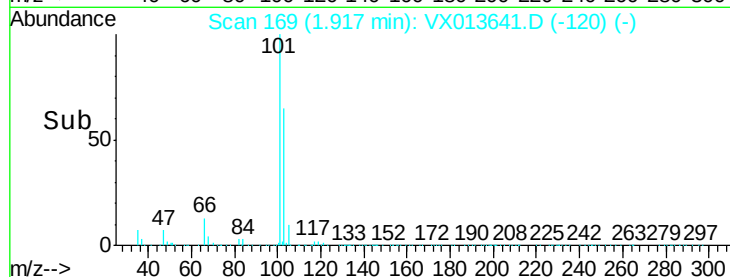
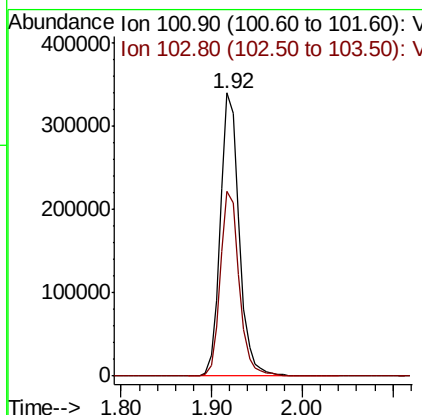
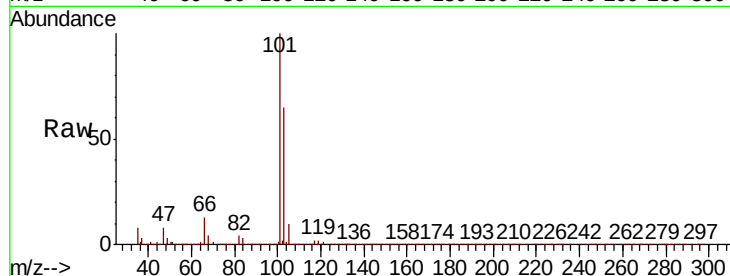
Trichlorofluoromethane
Concen: 47.252 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

Manual Integrations
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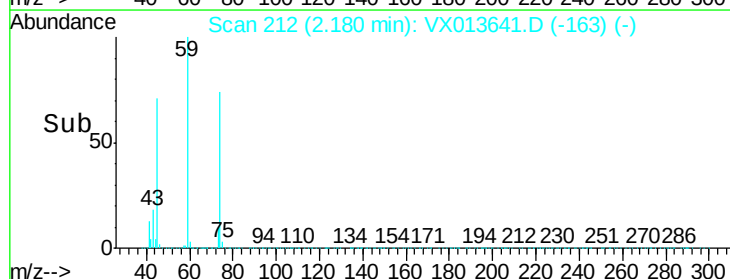
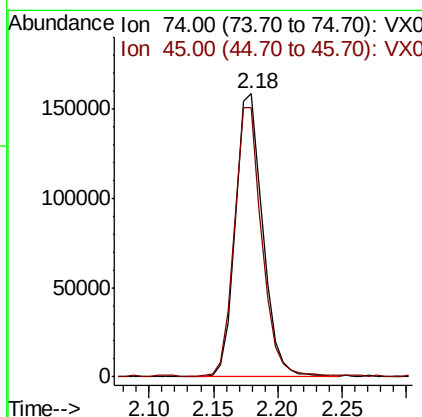
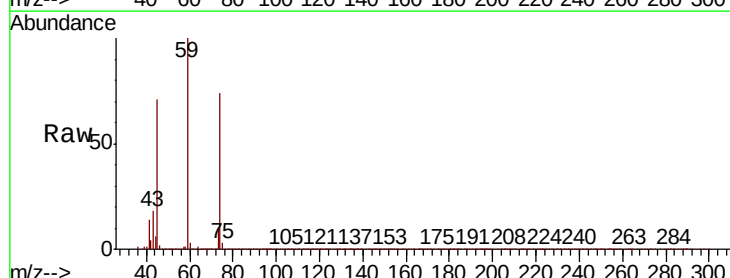
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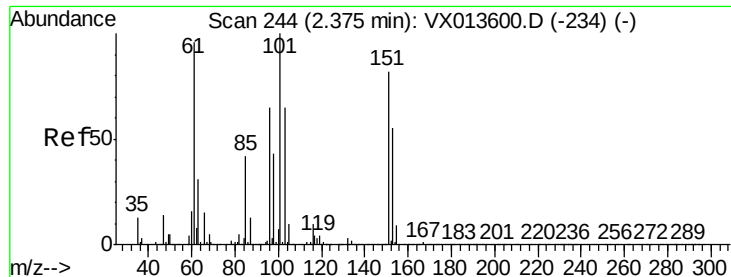


#8

Diethyl Ether
Concen: 49.397 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.152 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

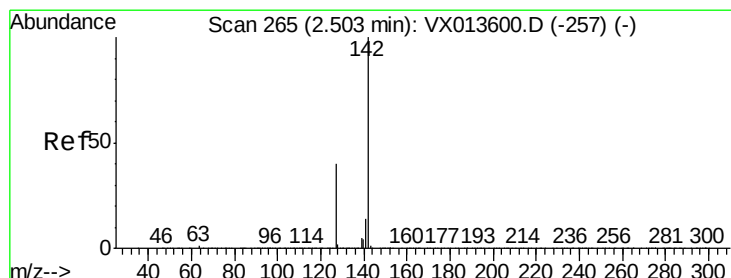
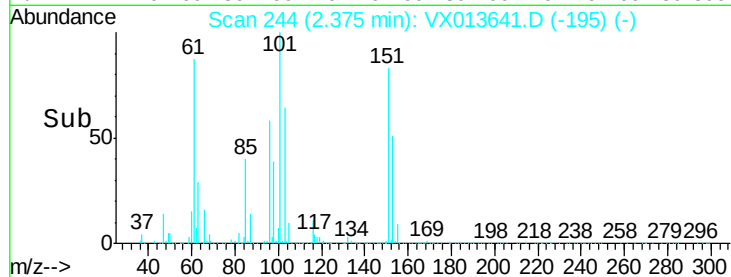
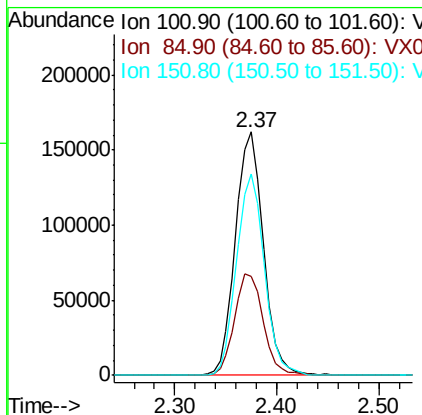
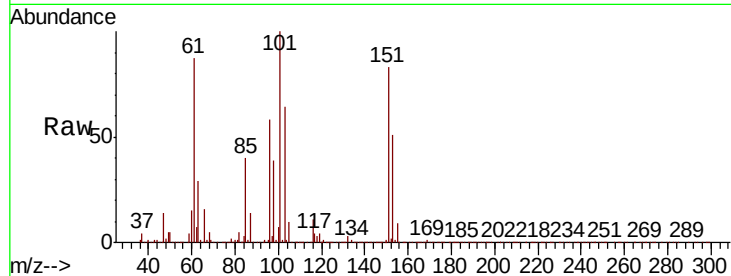
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	306269
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.9	50.9
151	82.8	64.2	96.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.930 ug/l

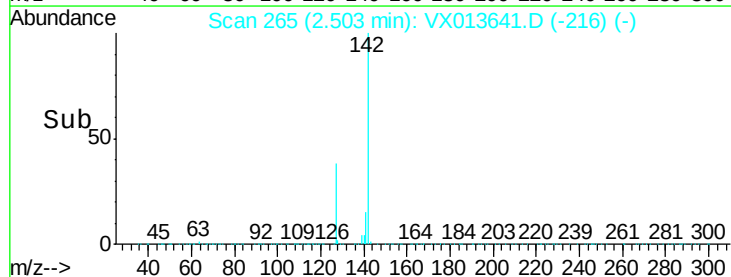
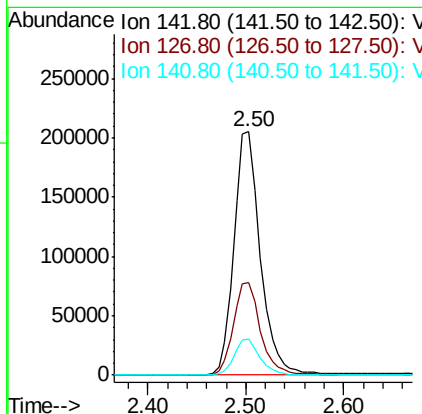
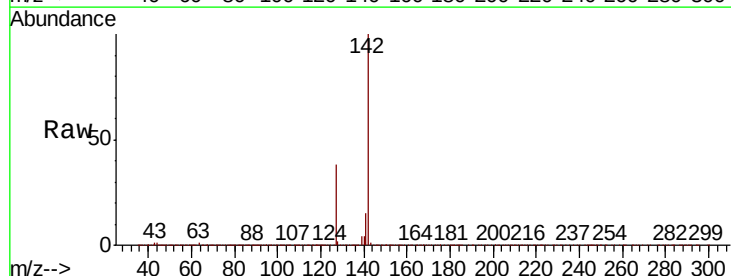
RT: 2.50 min Scan# 265

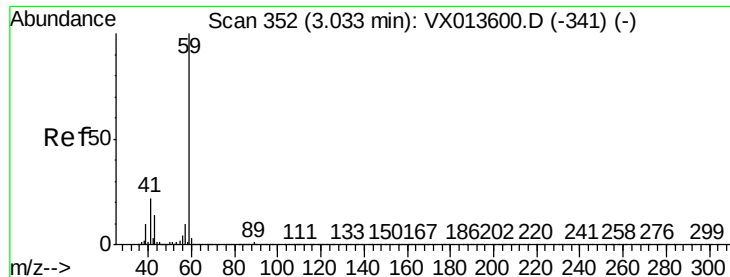
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	142	Resp:	384158
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	14.5	11.6	17.4





#11

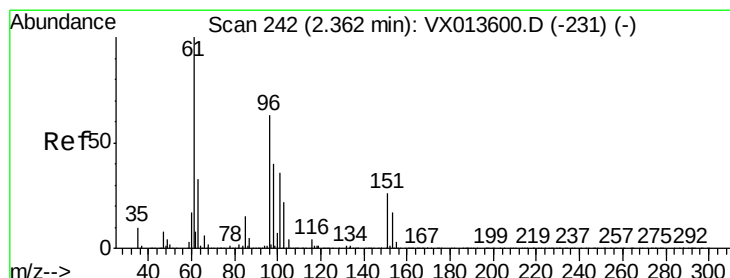
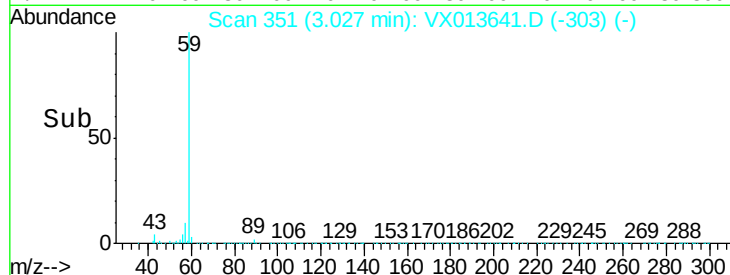
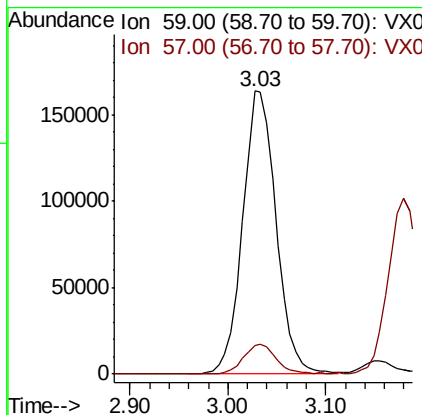
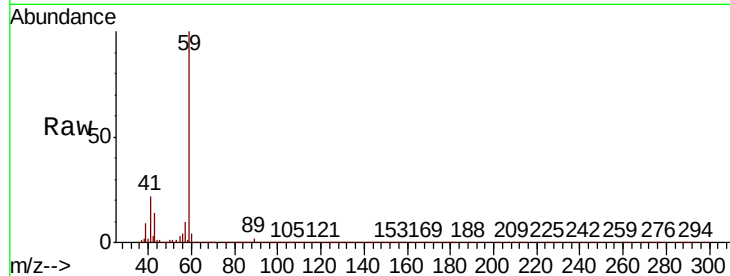
Tert butyl alcohol
Concen: 202.563 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

Manual Integrations
APPROVED

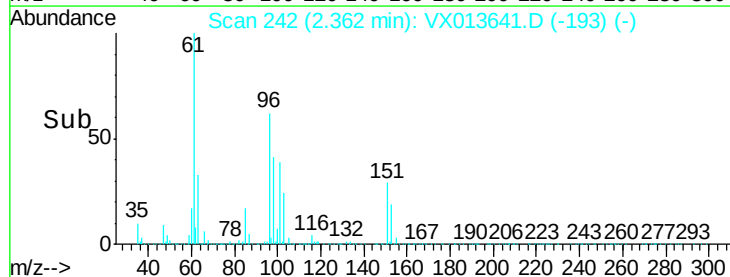
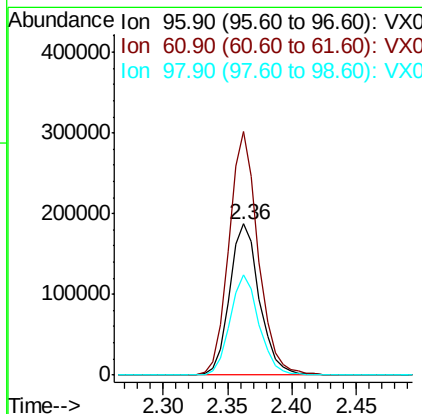
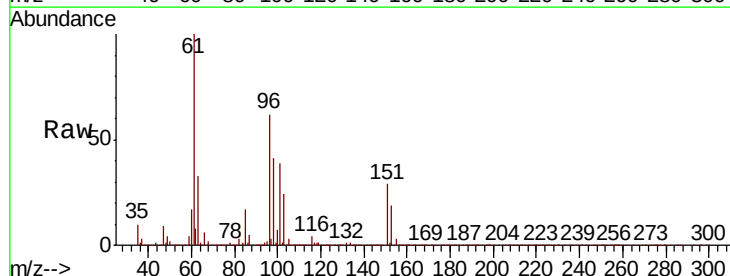
MMDadoda
12/2/2019 12:48:04 PM

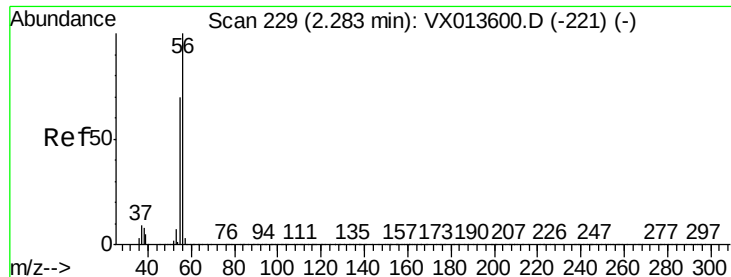


#12

1,1-Dichloroethene
Concen: 47.611 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.6	190.0
98	66.3	50.6	76.0





#13

Acrolein

Concen: 223.707 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 285136

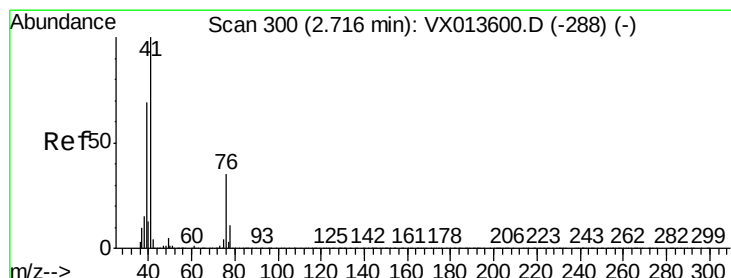
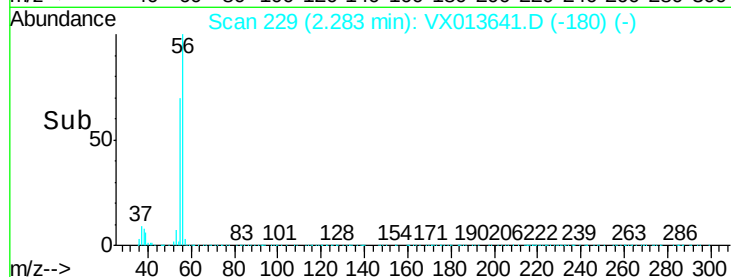
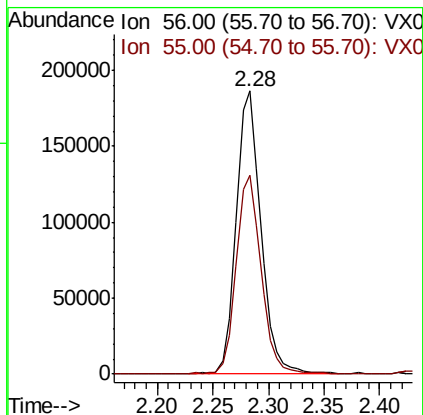
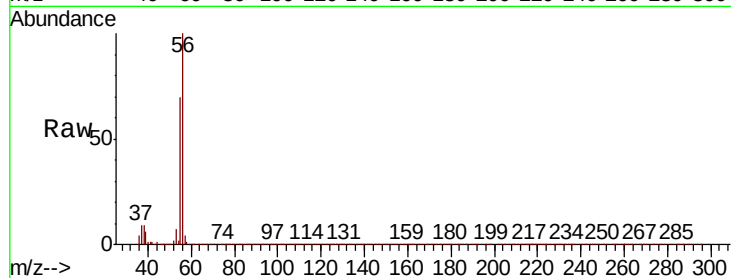
Ion Ratio Lower Upper

56 100

55 71.2 56.2 84.4

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 47.788 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

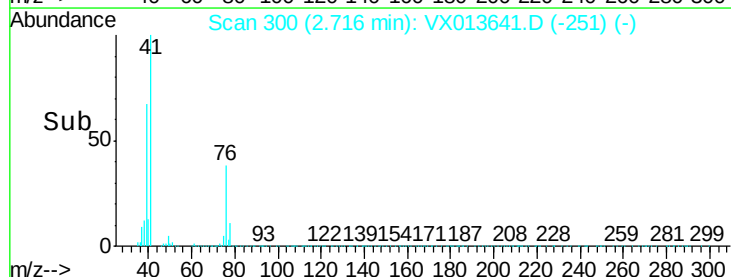
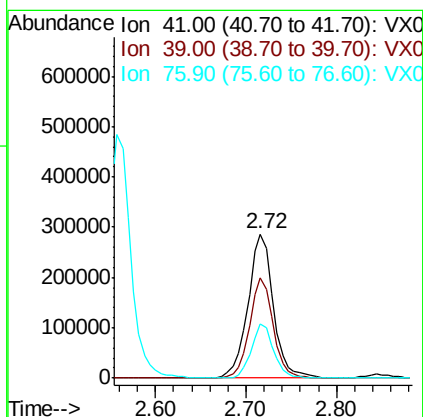
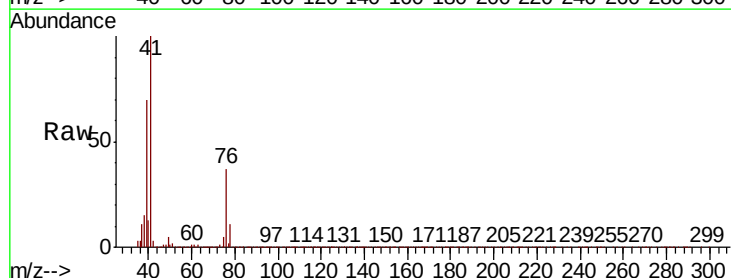
Tgt Ion: 41 Resp: 550583

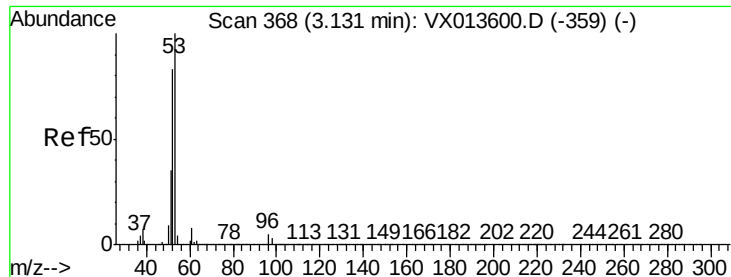
Ion Ratio Lower Upper

41 100

39 64.7 51.7 77.5

76 33.2 25.9 38.9





#15

Acrylonitrile

Concen: 237.834 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

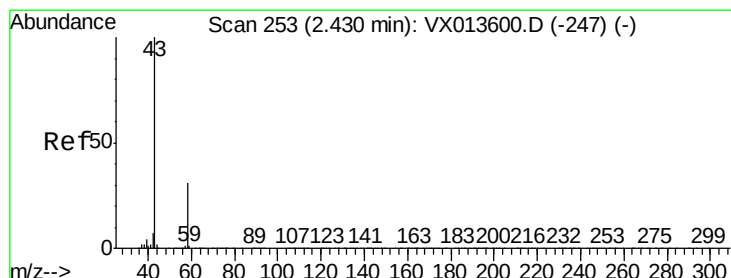
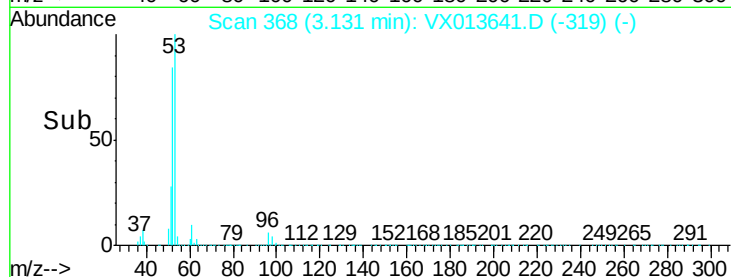
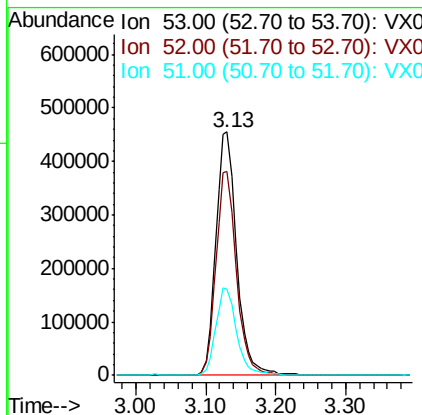
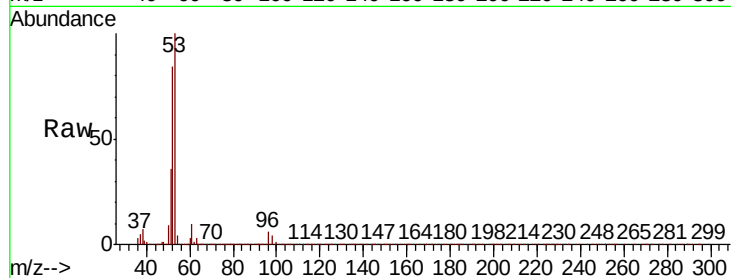
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	938366
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.7	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 280.666 ug/l

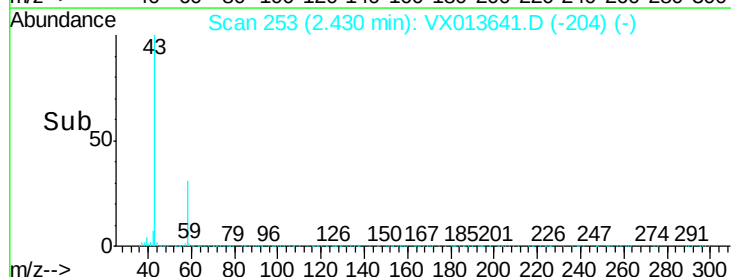
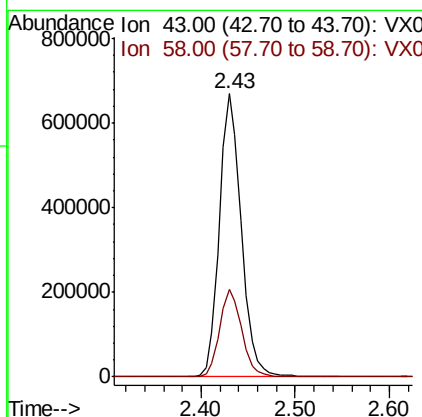
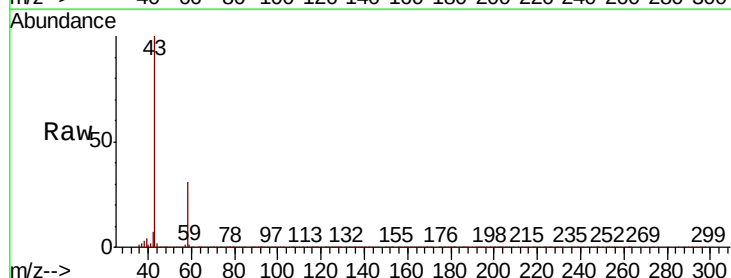
RT: 2.43 min Scan# 253

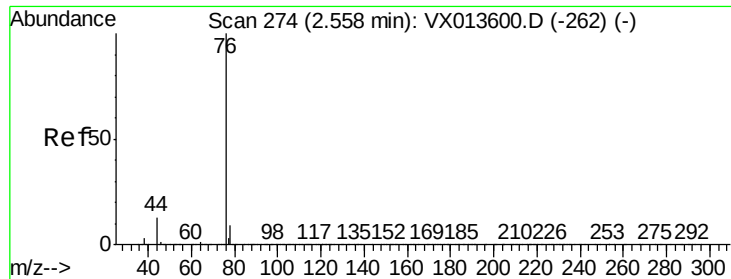
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	43	Resp:	1073036
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	36.8





#17

Carbon Disulfide

Concen: 46.215 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 836419

Ion Ratio Lower Upper

76 100

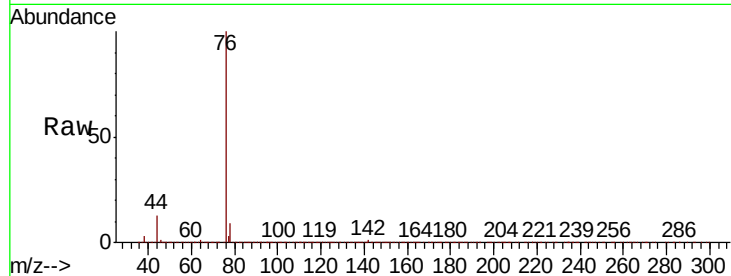
78 9.2 7.2 10.8

Manual Integrations

APPROVED

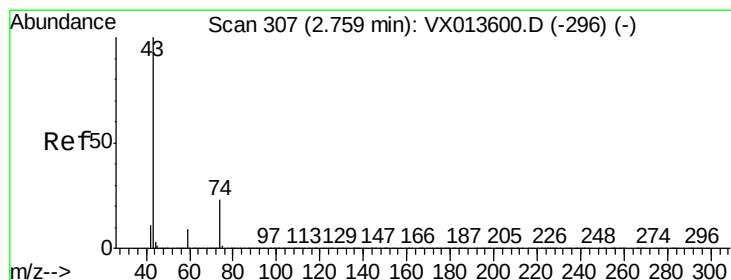
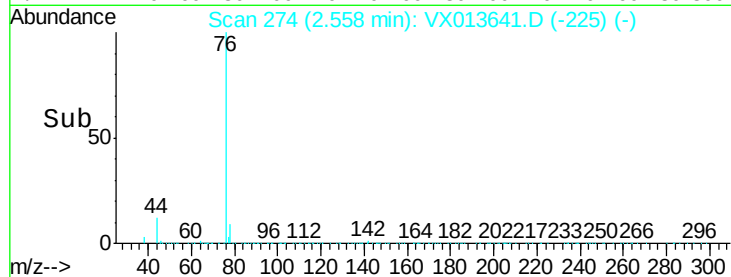
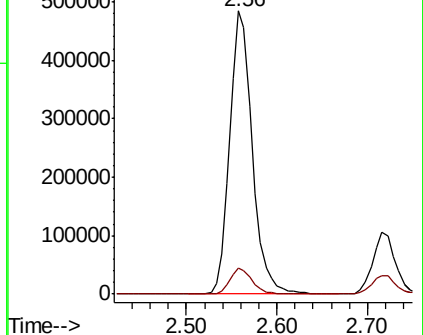
MMDadoda

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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: 49.401 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013641.D

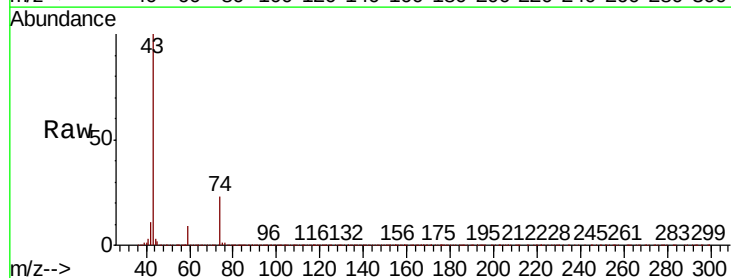
Acq: 27 Nov 2019 10:22

Tgt Ion: 43 Resp: 525931

Ion Ratio Lower Upper

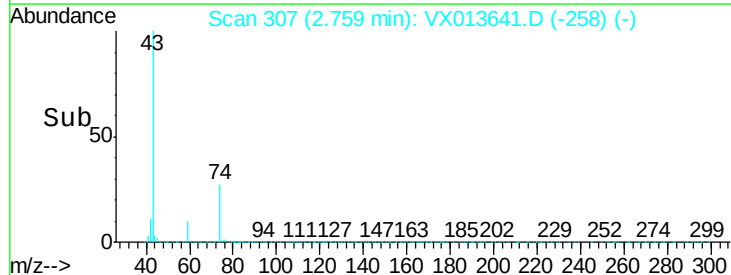
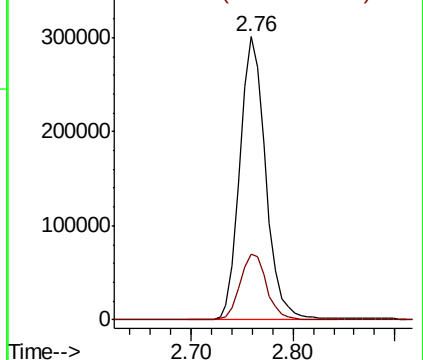
43 100

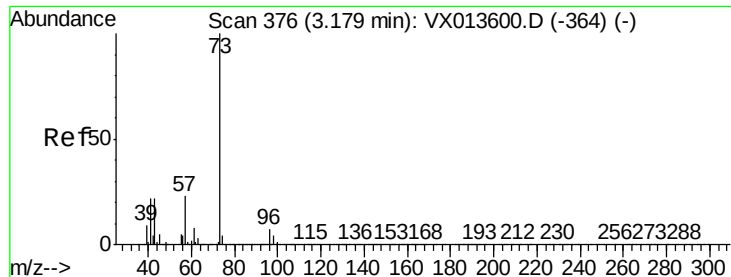
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





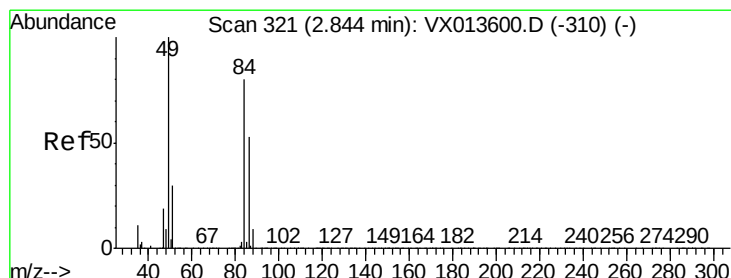
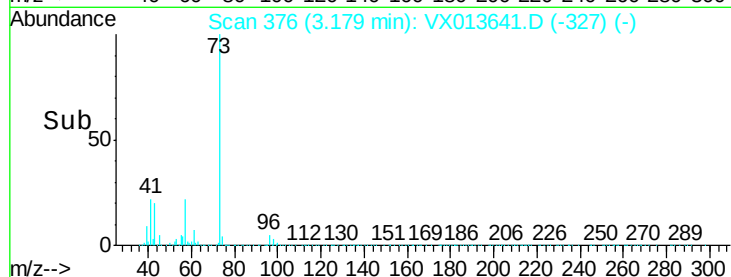
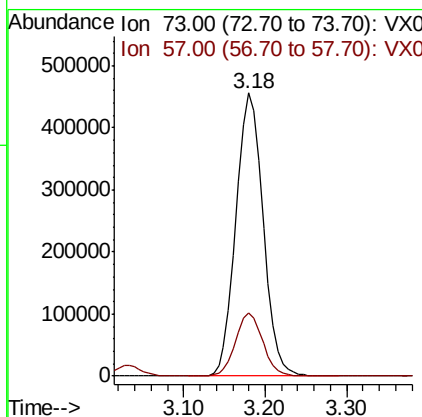
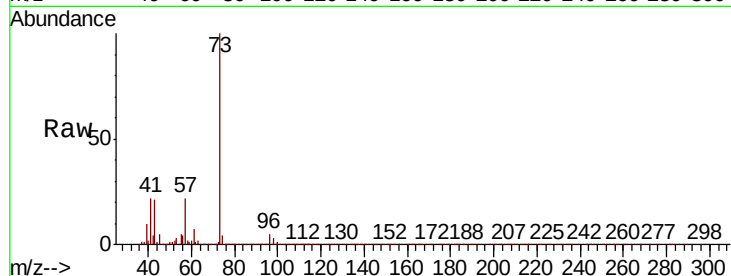
#19
Methyl tert-butyl Ether
Concen: 49.999 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1051578
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5

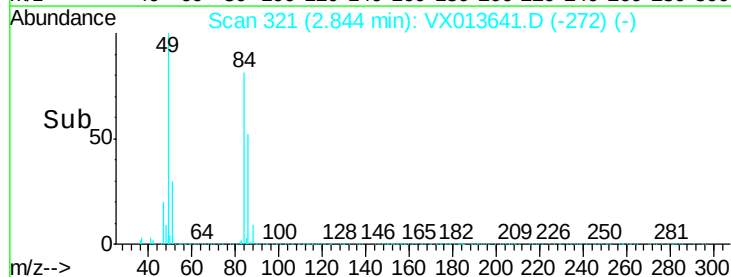
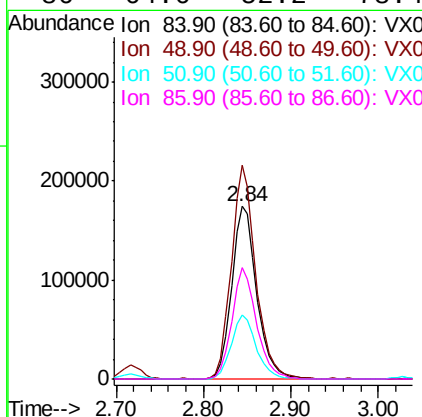
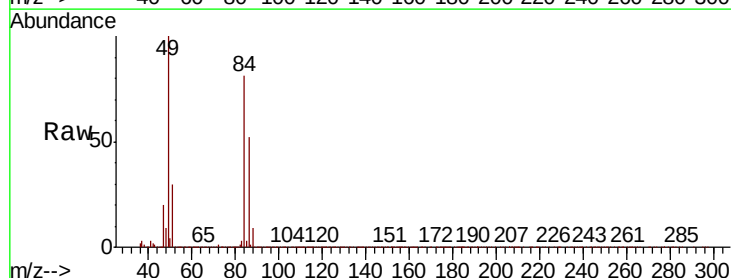
Manual Integrations
APPROVED

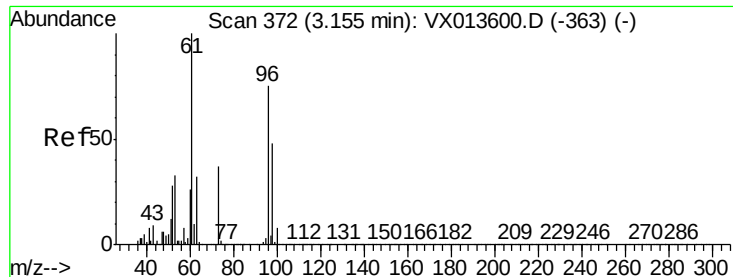
MMDadoda
12/2/2019 12:48:04 PM



#20
Methylene Chloride
Concen: 47.166 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 84 Resp: 346432
Ion Ratio Lower Upper
84 100
49 123.7 99.7 149.5
51 37.2 29.9 44.9
86 64.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

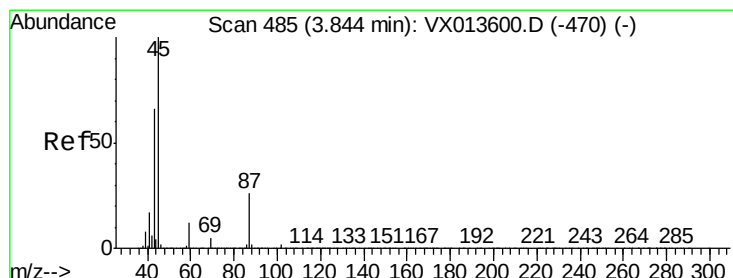
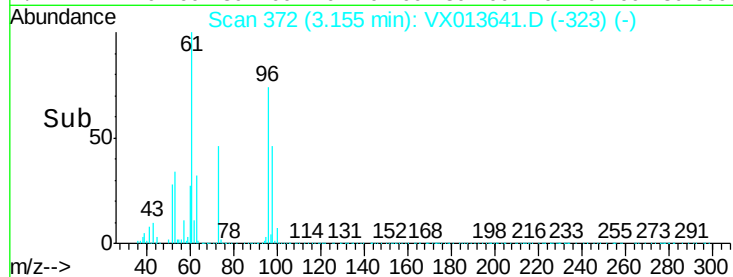
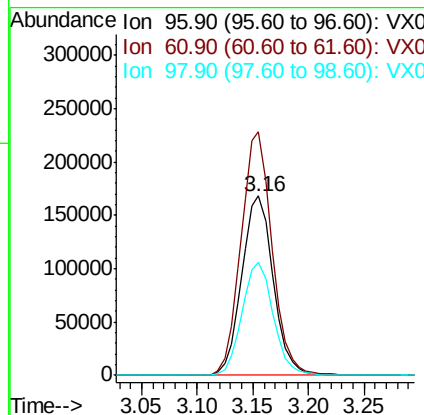
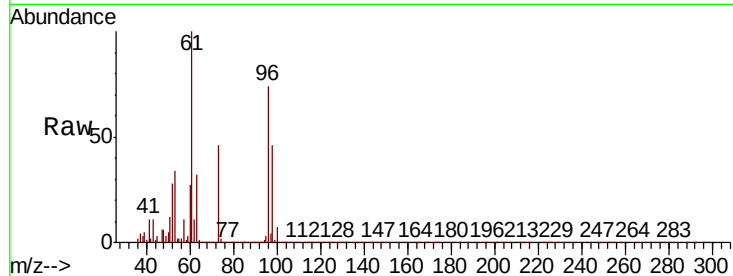
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	329660
Ion	Ratio	Lower	Upper
96	100		
61	135.7	107.2	160.8
98	63.0	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.360 ug/l

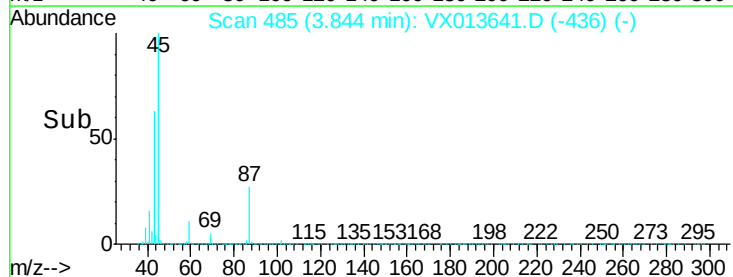
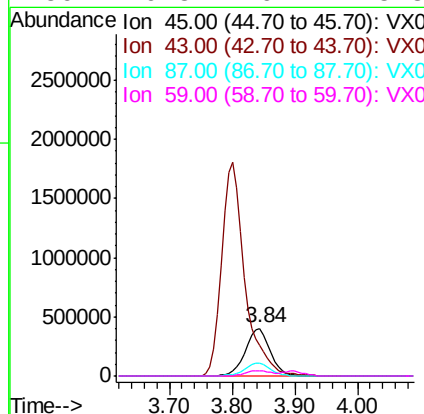
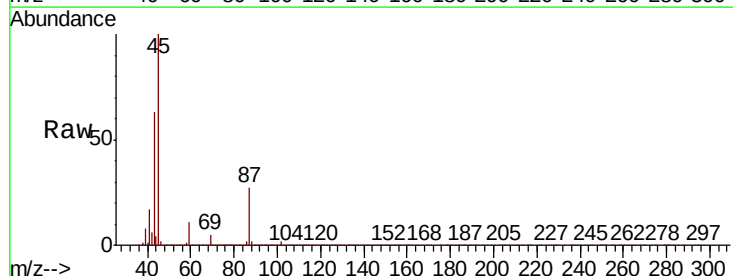
RT: 3.84 min Scan# 485

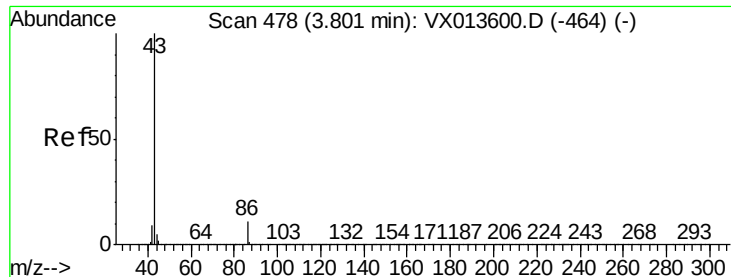
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	45	Resp:	1095043
Ion	Ratio	Lower	Upper
45	100		
43	63.3	52.6	79.0
87	27.2	21.1	31.7
59	10.8	9.2	13.8





#23

Vinyl Acetate

Concen: 250.356 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tot Ion: 43 Resp: 4620452

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

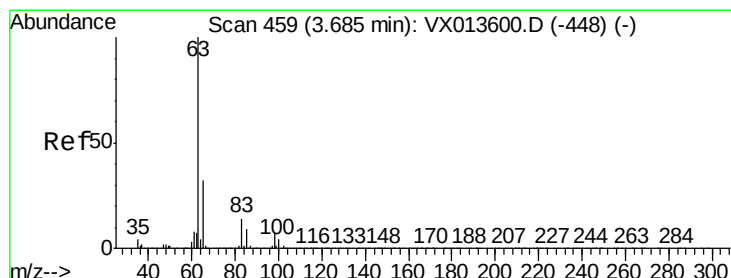
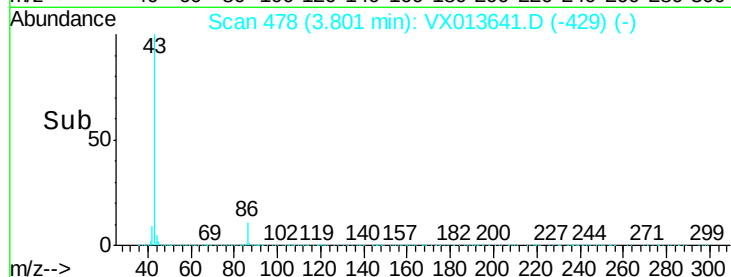
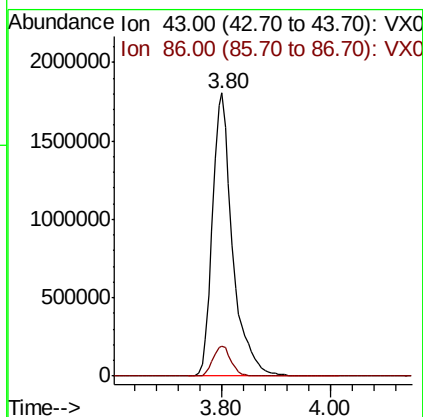
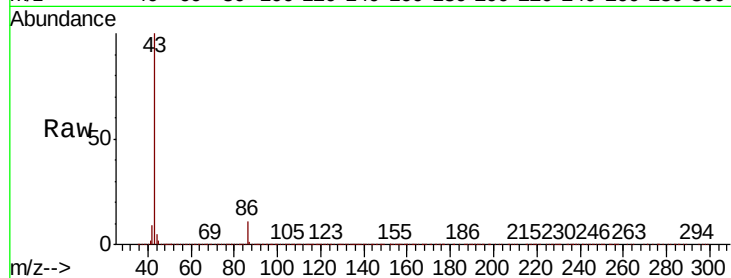
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.122 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

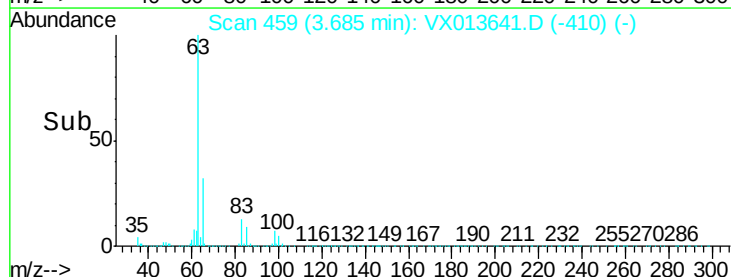
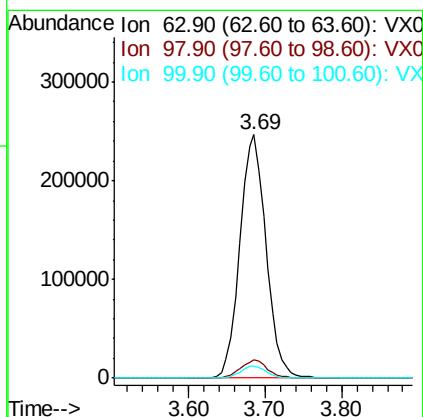
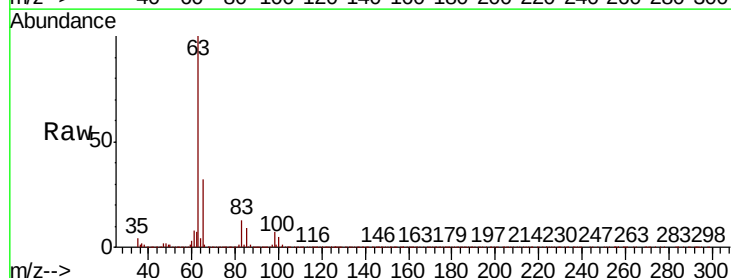
Tgt Ion: 63 Resp: 583605

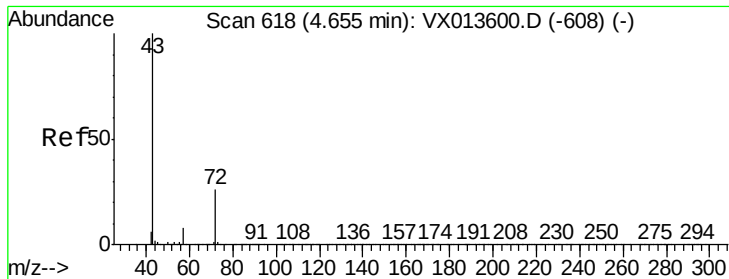
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.0 2.1 6.3





#25

2-Butanone

Concen: 257.244 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1461649

Ion Ratio Lower Upper

43 100

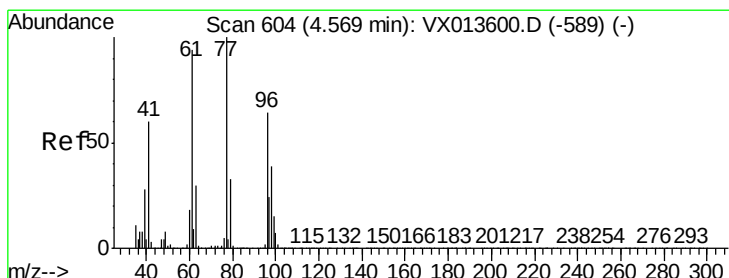
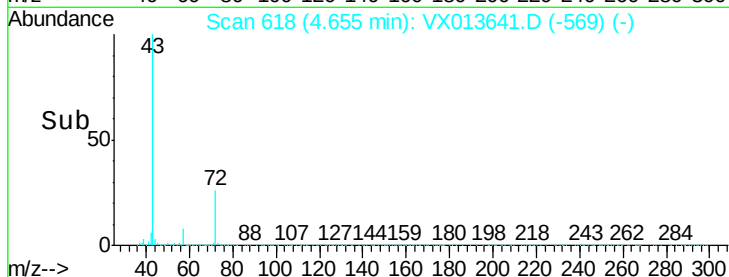
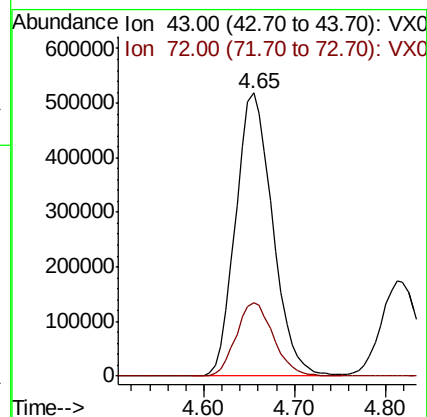
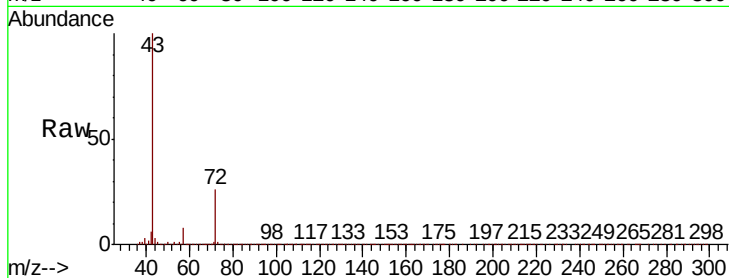
72 25.7 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.090 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013641.D

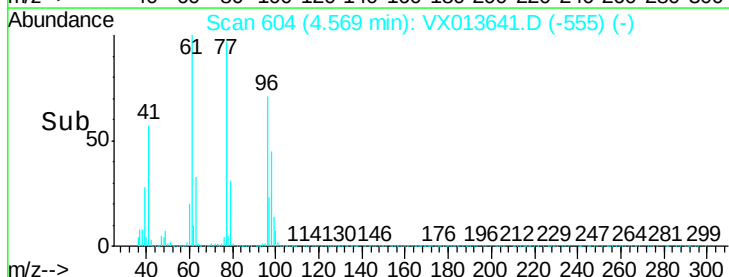
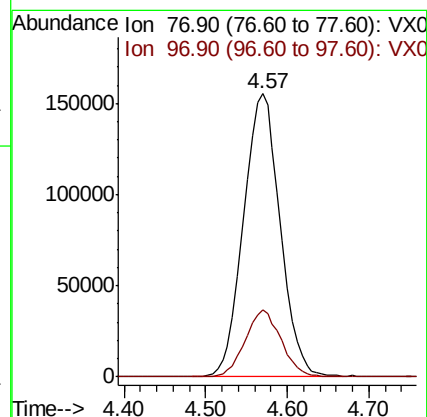
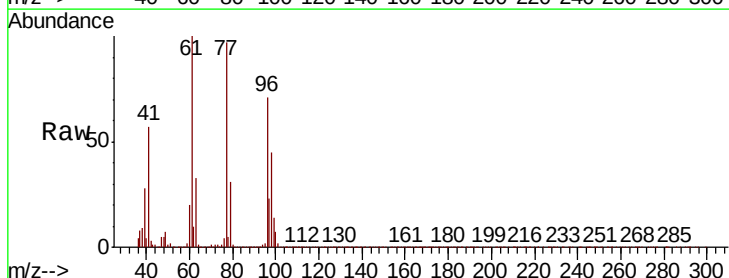
Acq: 27 Nov 2019 10:22

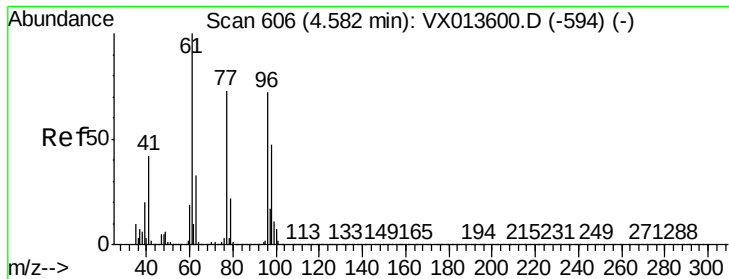
Tgt Ion: 77 Resp: 482544

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.1





#27

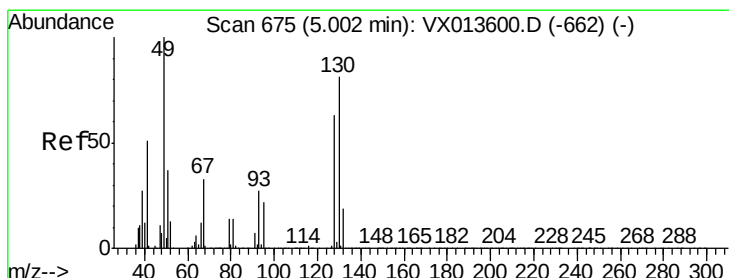
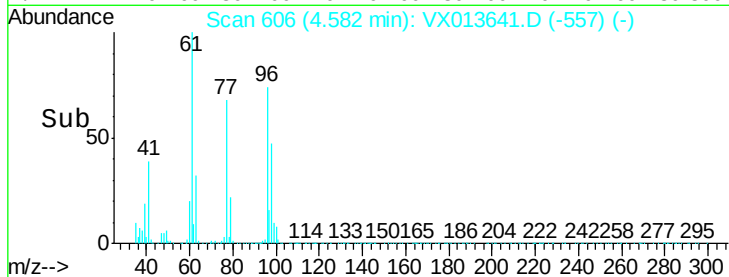
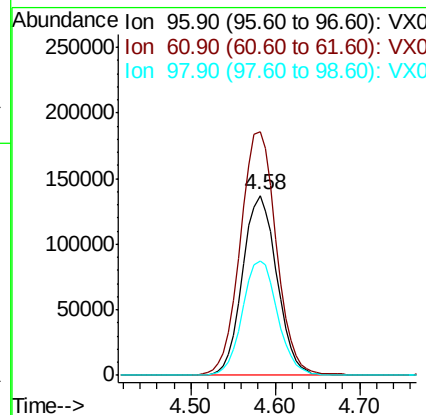
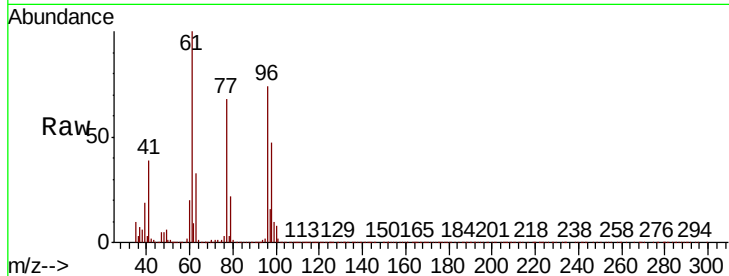
cis-1,2-Dichloroethene
Concen: 47.496 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	377244		
61	142.2		0.0	286.4
98	65.1		0.0	127.4

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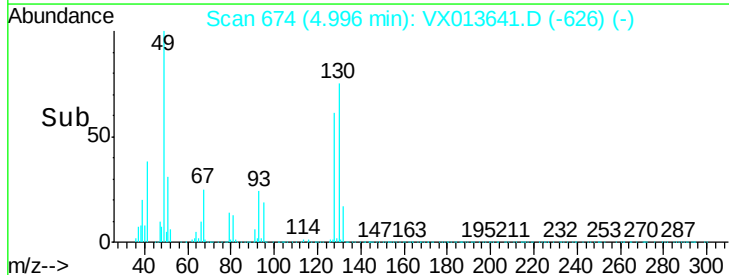
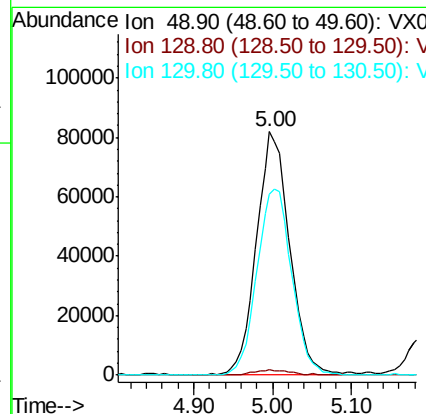
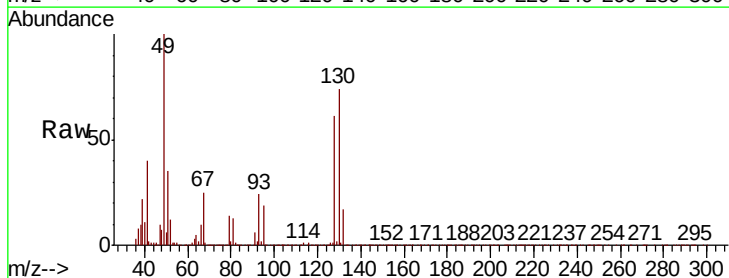
MMDadoda
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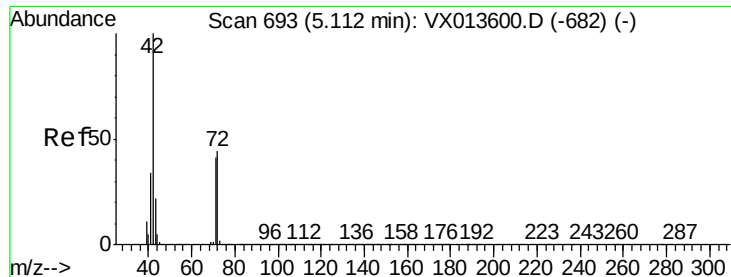


#28

Bromochloromethane
Concen: 49.730 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	238336		
129	2.4		0.0	5.0
130	80.6		65.4	98.0





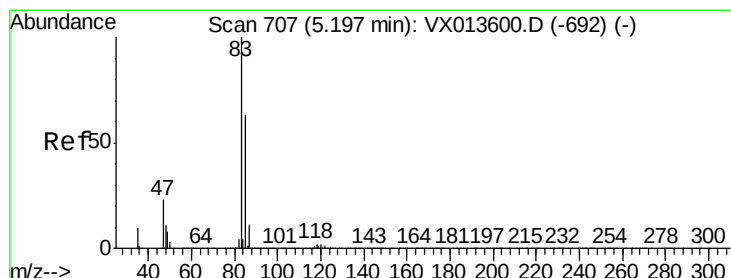
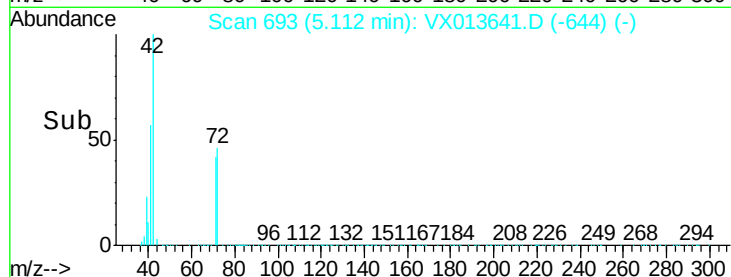
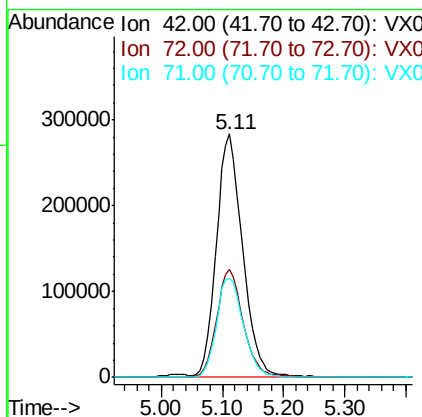
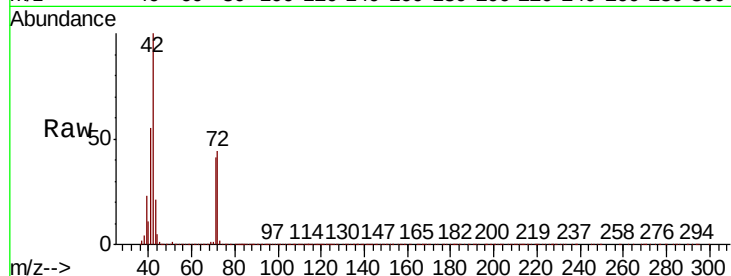
#29
Tetrahydrofuran
Concen: 240.443 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.3	54.5
71	42.1	33.2	49.8

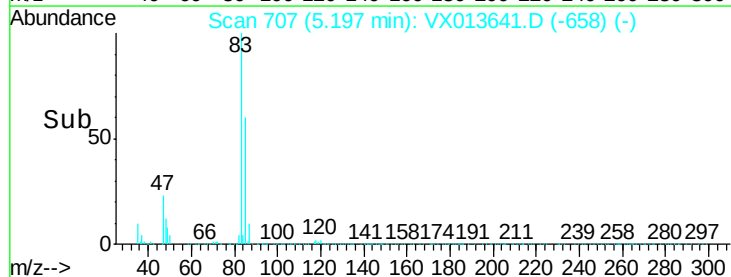
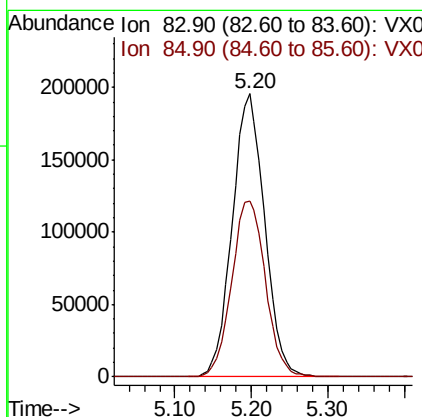
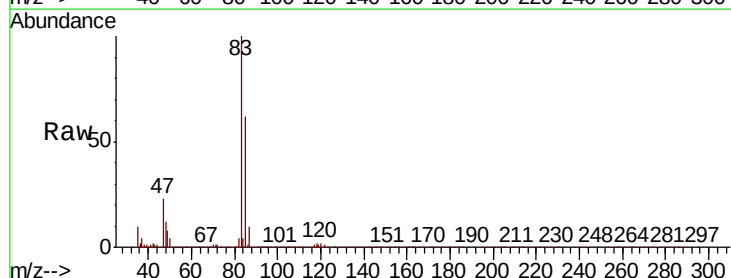
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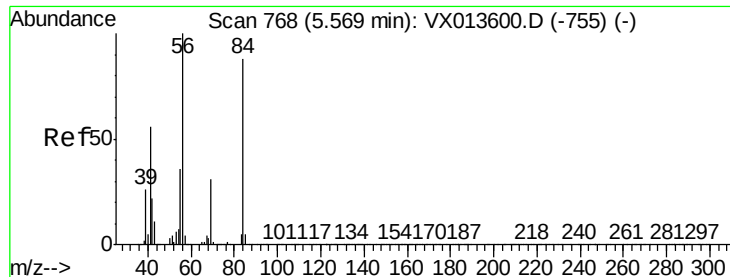
MMDadoda
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#30
Chloroform
Concen: 46.593 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.2	75.4





#31

Cyclohexane

Concen: 47.271 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

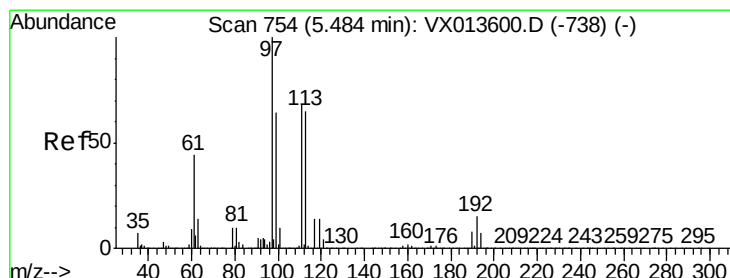
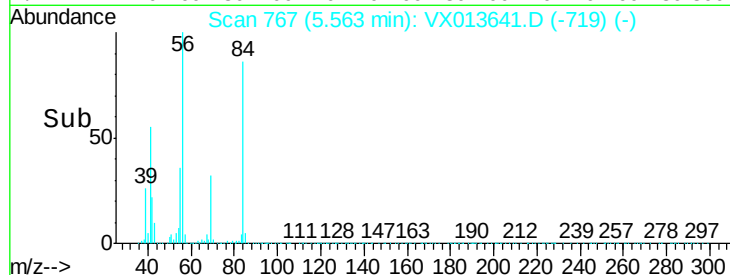
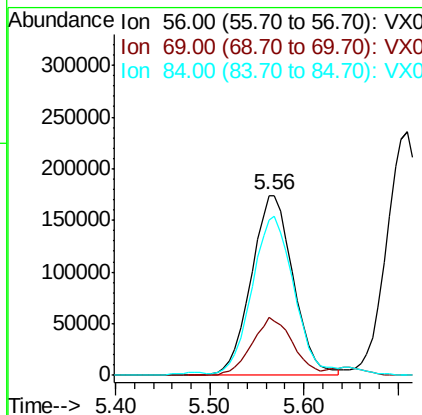
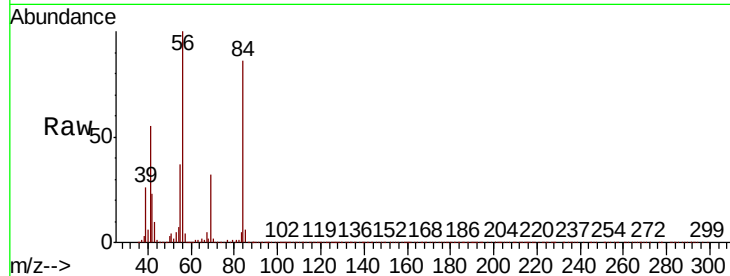
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	540723
Ion Ratio	Lower	Upper	
56	100		
69	32.1	24.6	36.8
84	84.8	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.647 ug/l

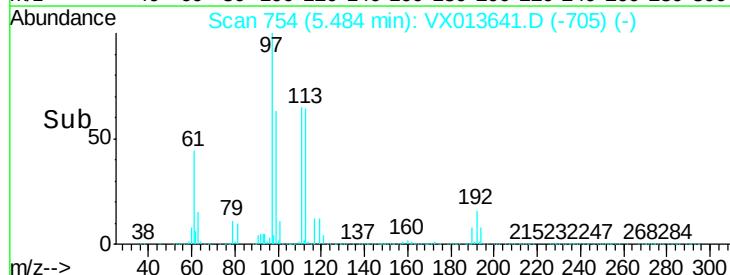
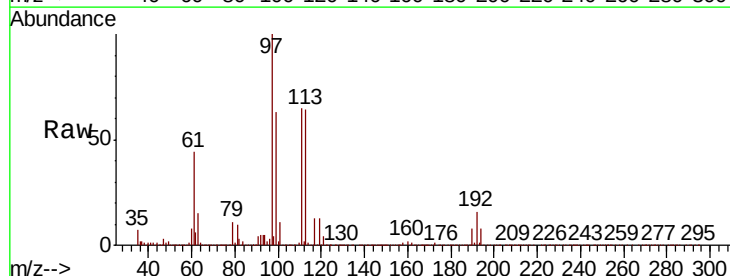
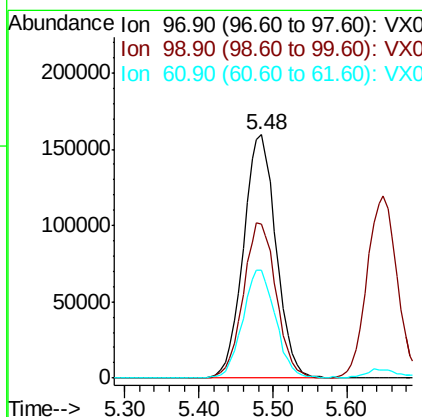
RT: 5.48 min Scan# 754

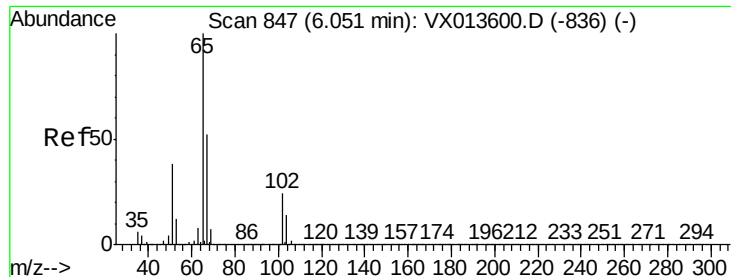
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	97	Resp:	489719
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	44.3	36.1	54.1





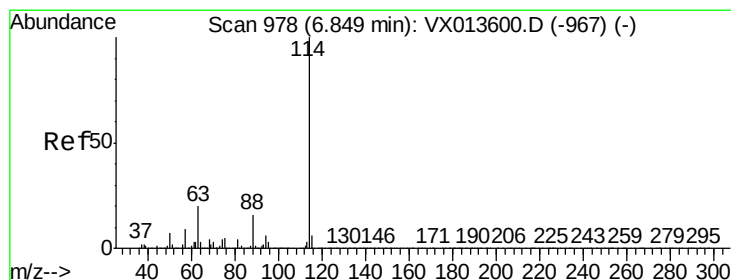
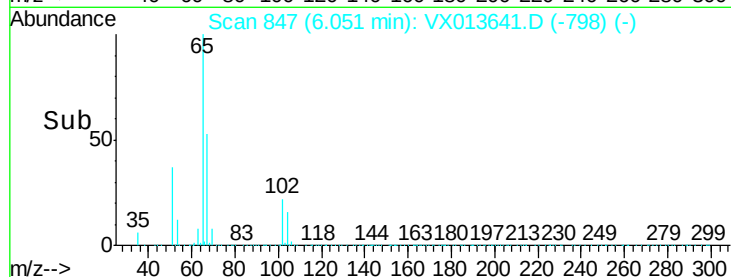
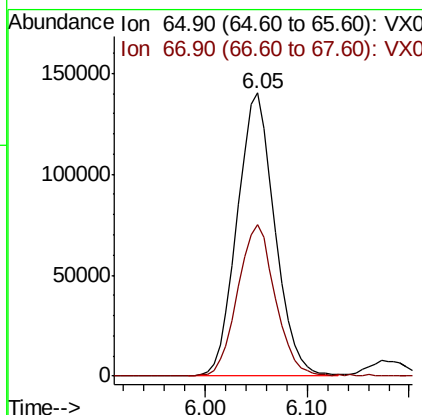
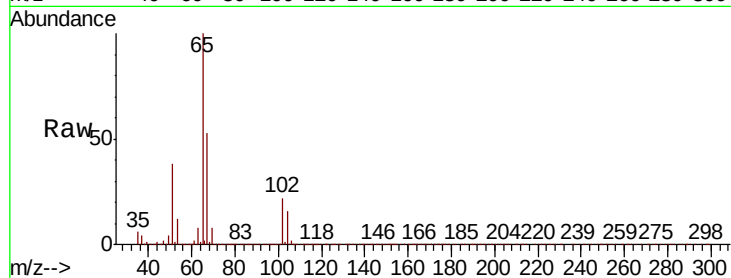
#33
 1,2-Dichloroethane-d4
 Concen: 46.518 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.4

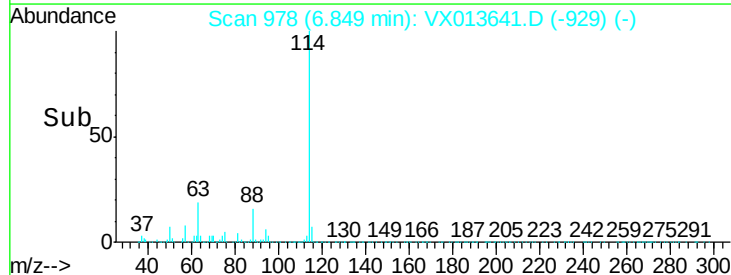
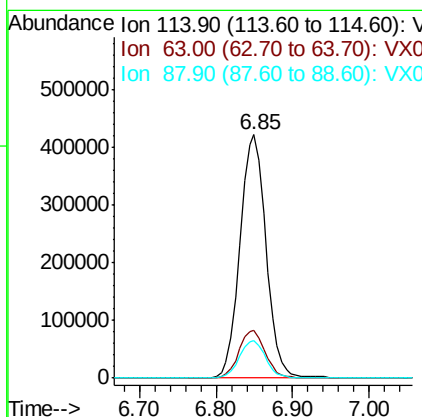
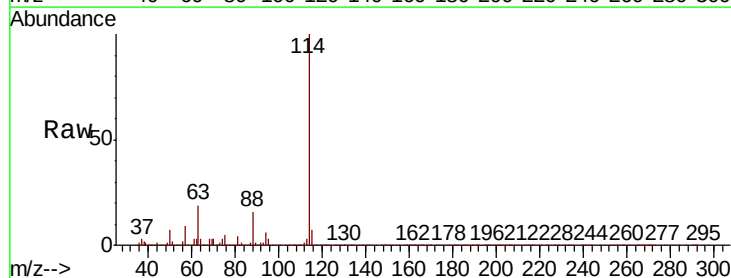
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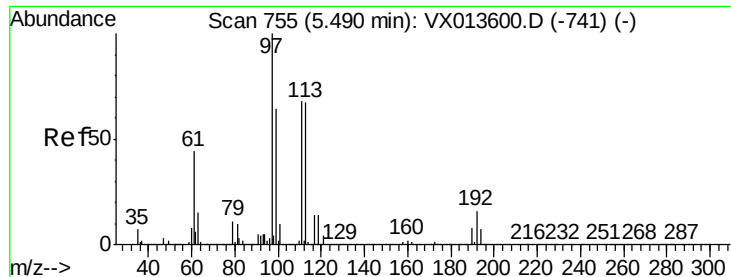
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.6	0.0	31.4





#35

Dibromofluoromethane

Concen: 47.223 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

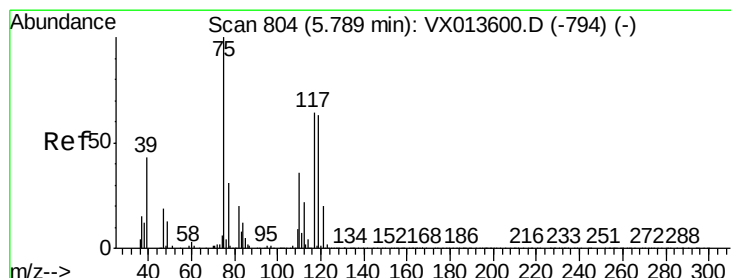
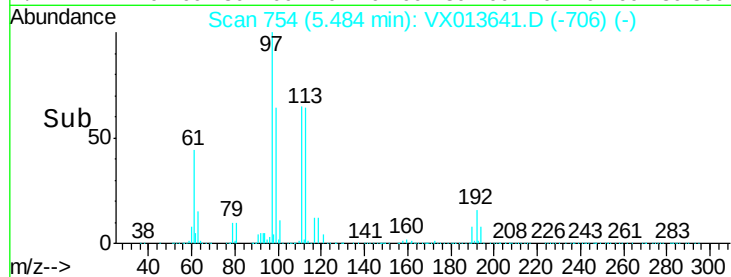
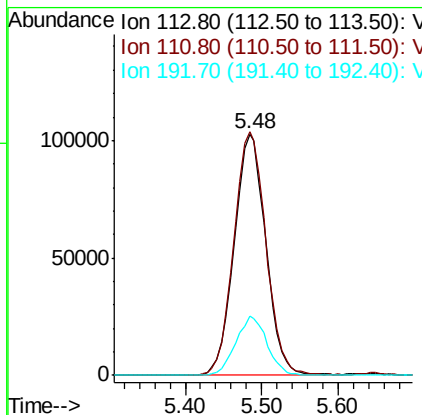
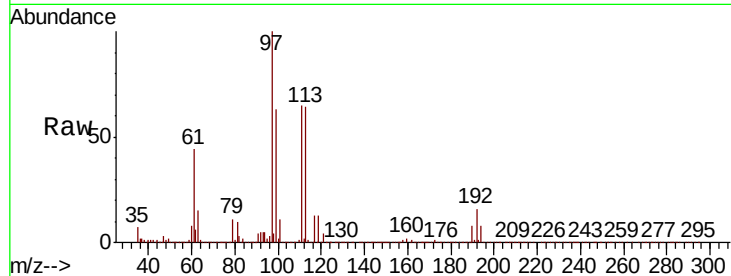
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	291980
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.6	125.4
192	24.2	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 48.454 ug/l

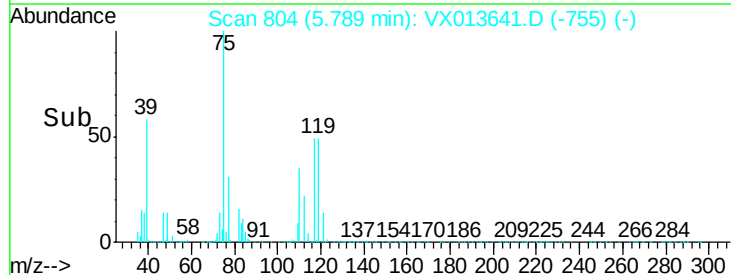
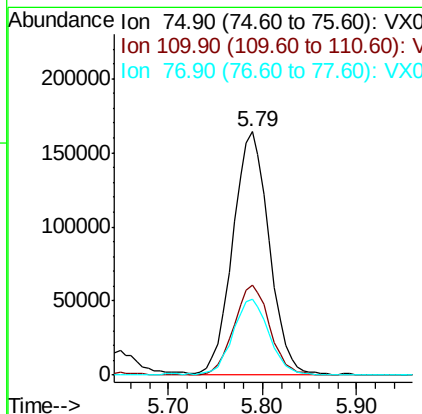
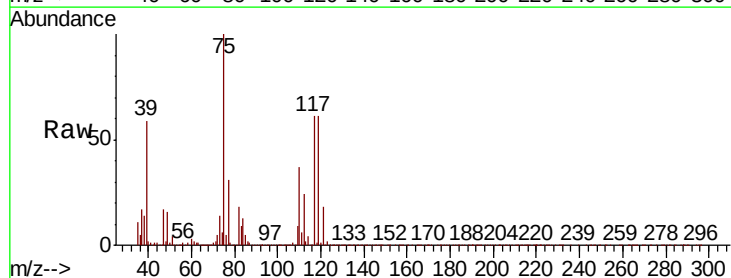
RT: 5.79 min Scan# 804

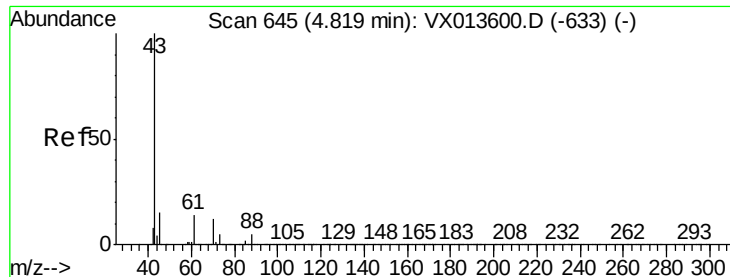
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	75	Resp:	439904
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.1	54.1
77	30.9	24.5	36.7





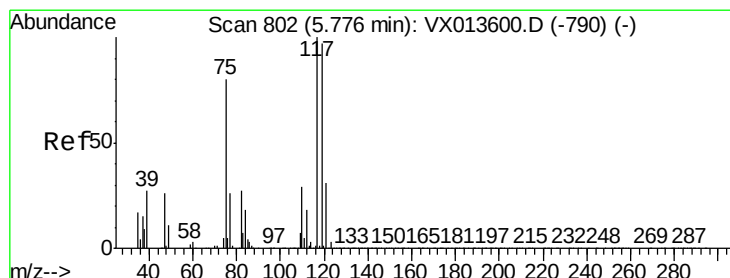
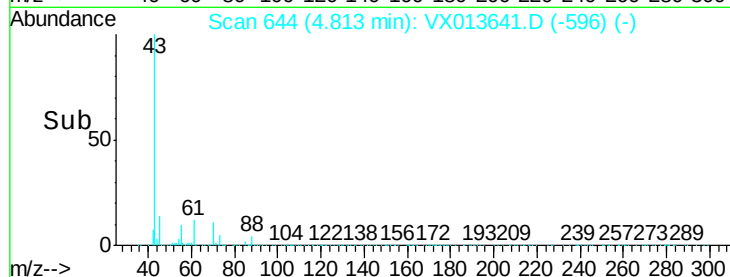
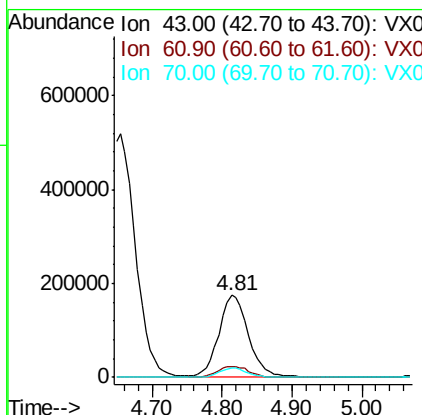
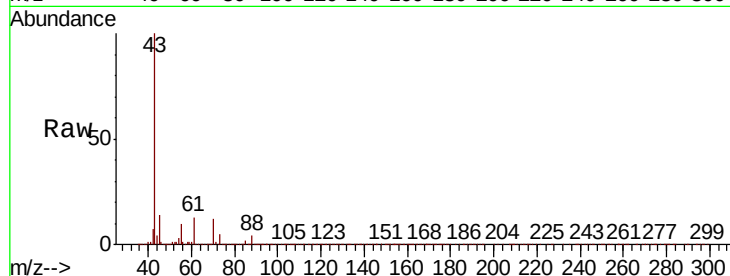
#37
Ethyl Acetate
Concen: 49.998 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.8	8.6	12.8

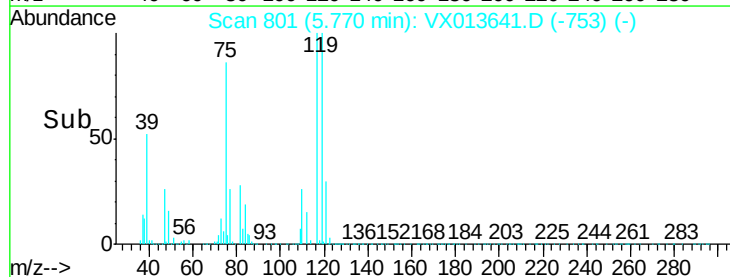
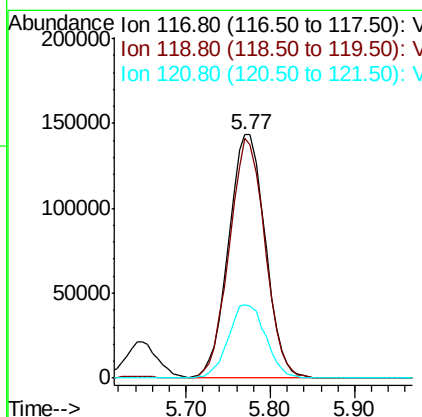
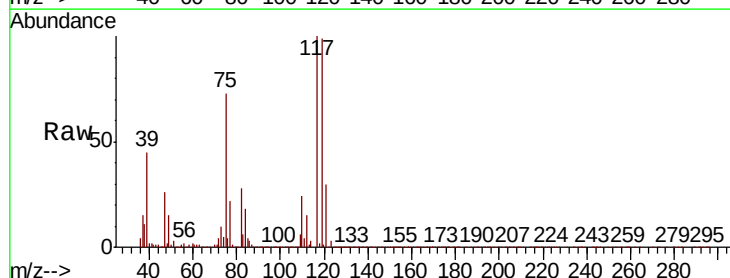
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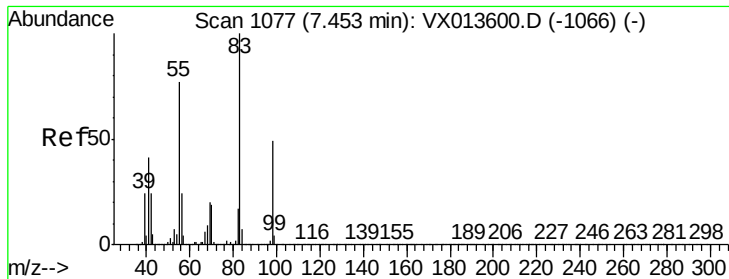
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.456 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.5	116.3
121	30.3	25.0	37.6





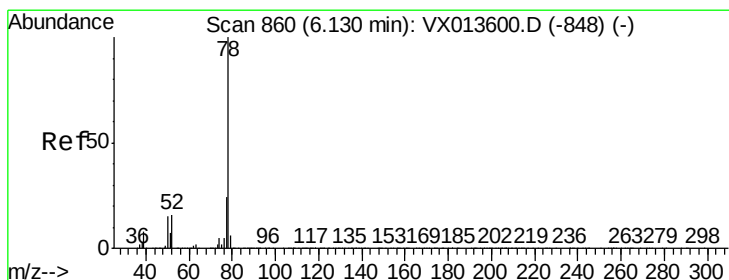
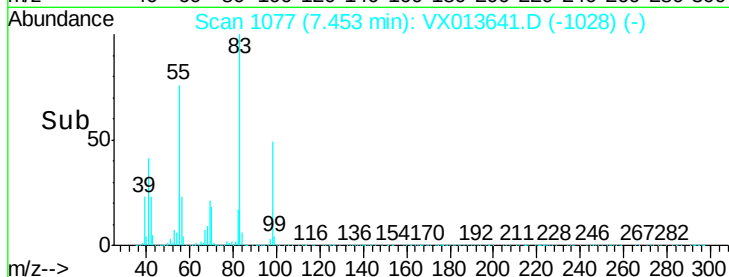
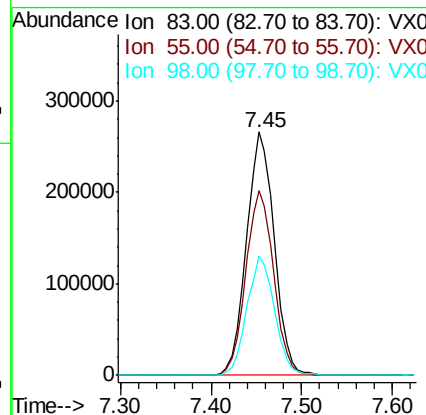
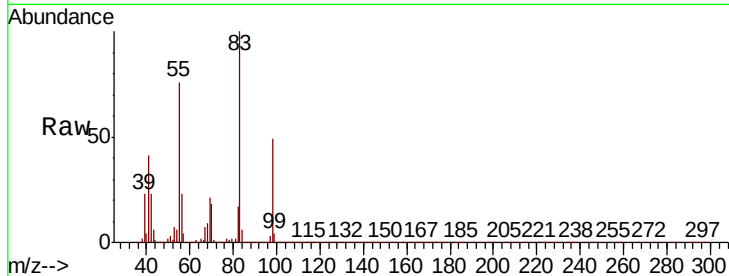
#39
Methylvlcyclohexane
Concen: 50.357 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.9	92.9
98	49.2	39.4	59.0

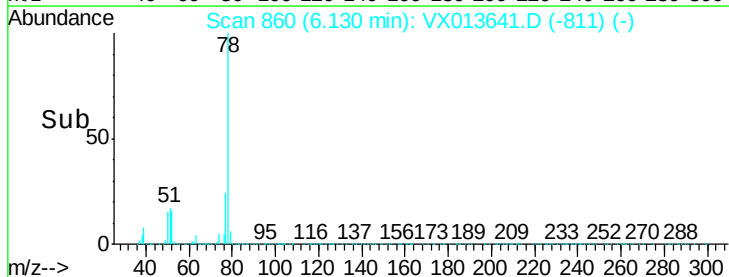
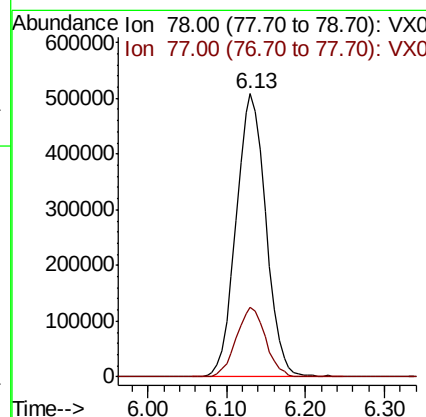
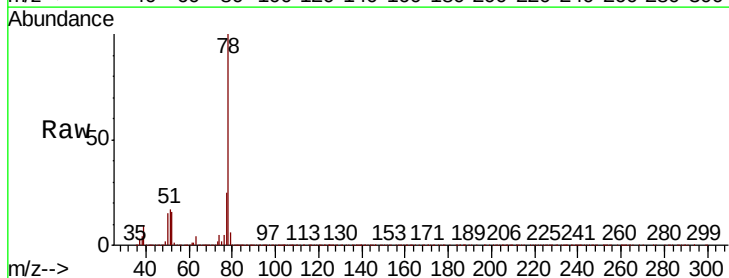
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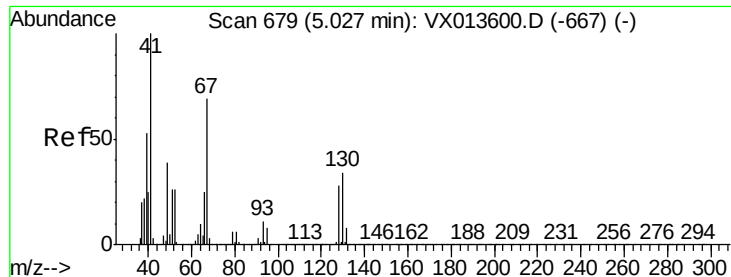
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#40
Benzene
Concen: 48.257 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4





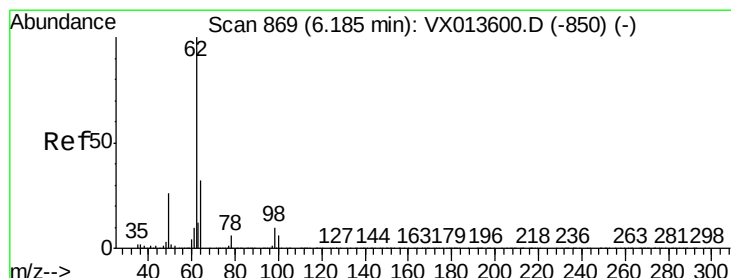
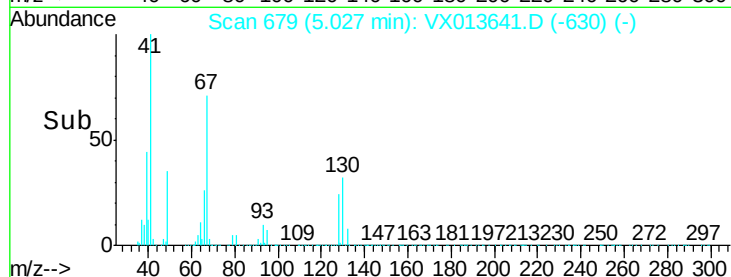
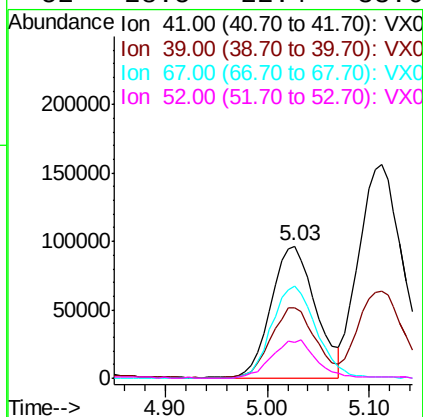
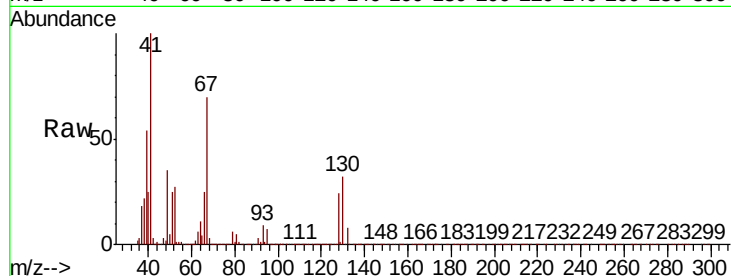
#41
Methacrylonitrile
Concen: 52.125 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		291156		
39	53.5	42.9	64.3		
67	70.0	57.4	86.0		
52	28.5	22.4	33.6		

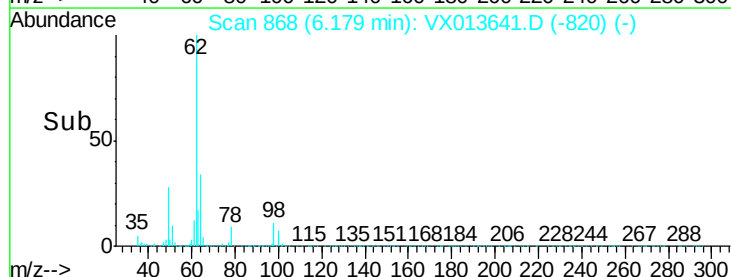
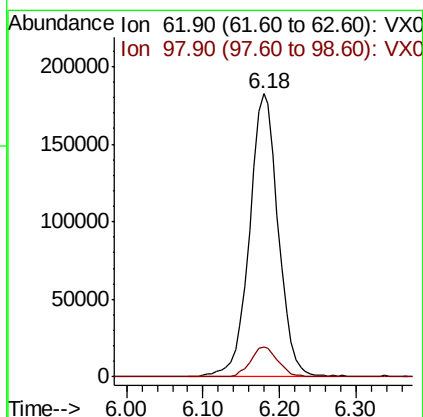
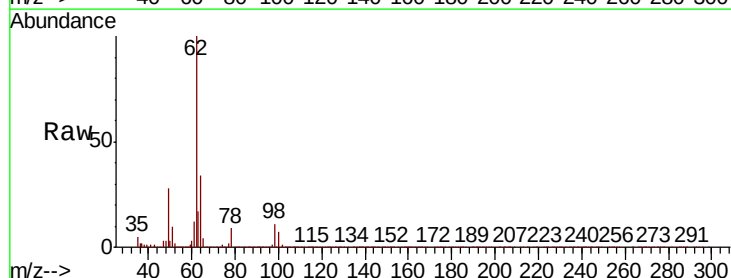
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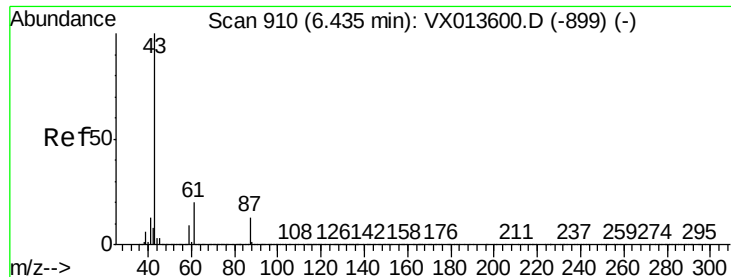
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#42
1,2-Dichloroethane
Concen: 50.341 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		474730		
98	10.3	0.0	20.8		





#43

Isopropyl Acetate

Concen: 49.684 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

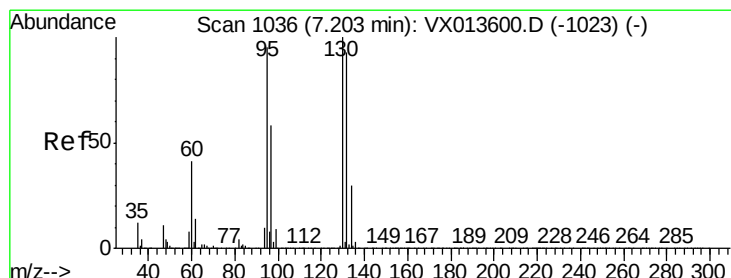
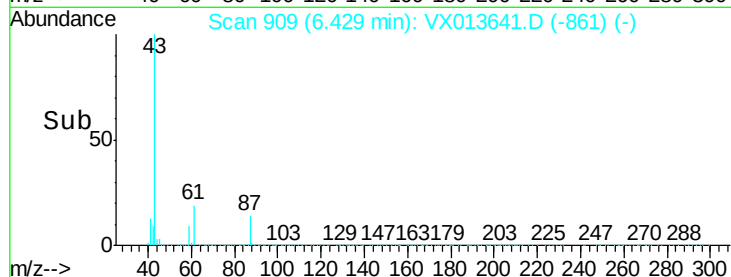
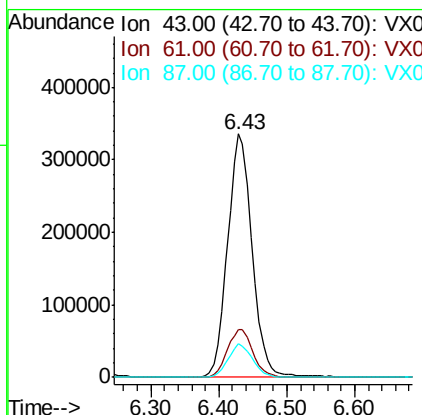
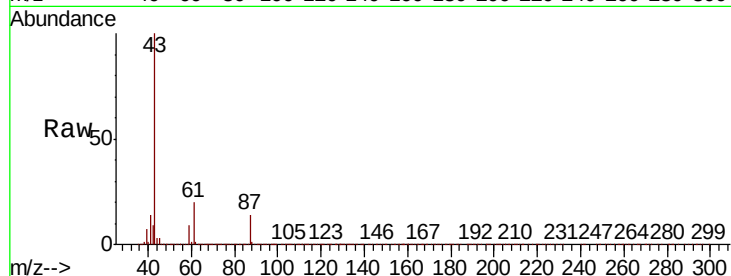
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	833093
Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.3	24.5
87	13.7	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 48.564 ug/l

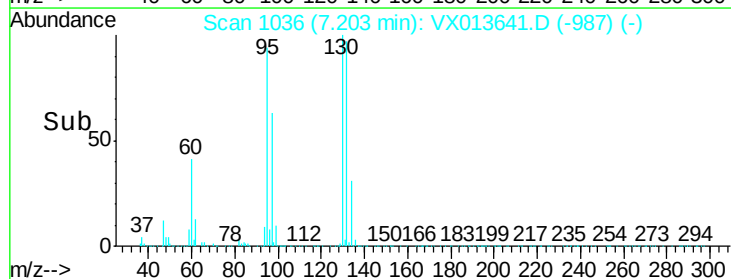
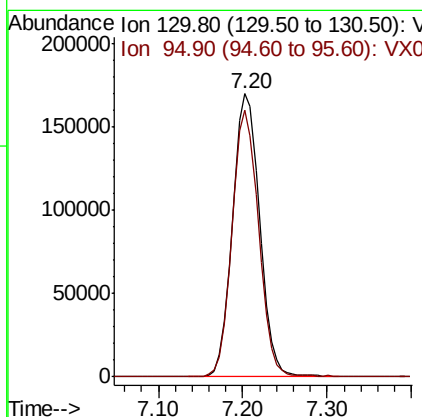
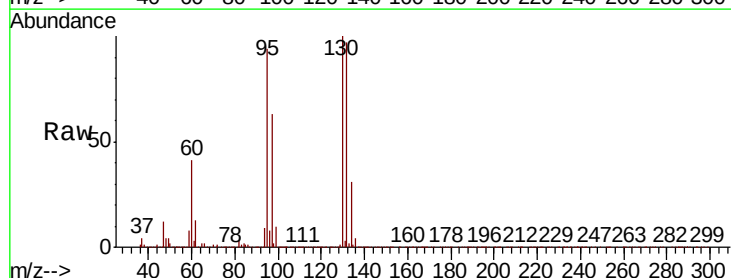
RT: 7.20 min Scan# 1036

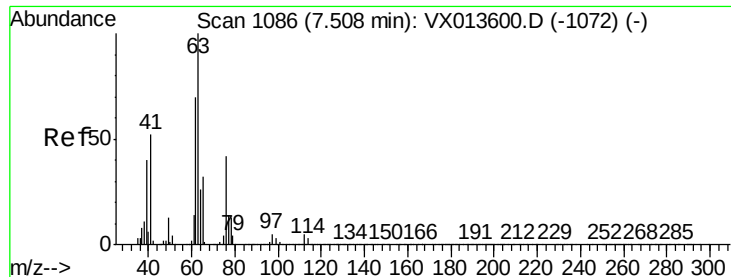
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	130	Resp:	368544
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	190.8





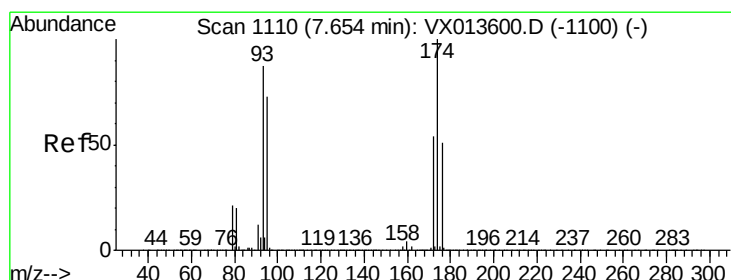
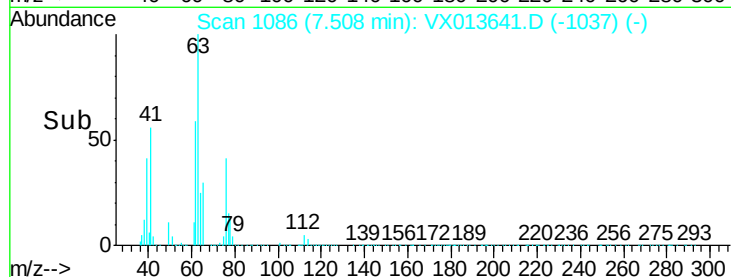
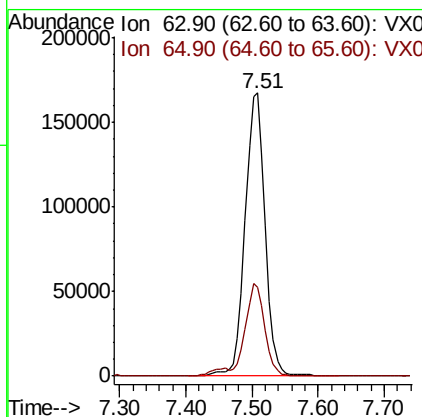
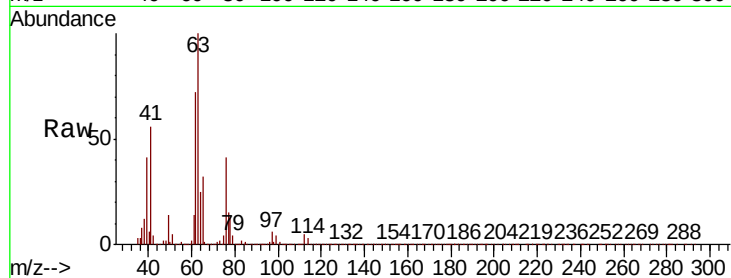
#45
 1,2-Dichloropropane
 Concen: 51.000 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.5	38.3

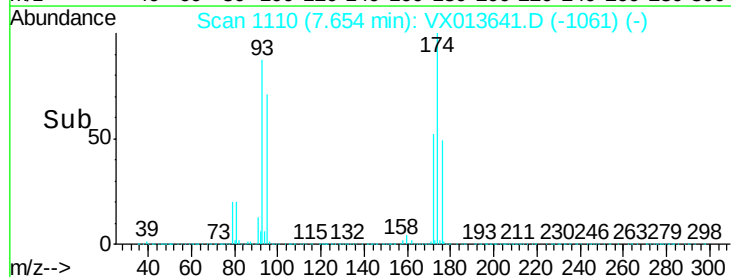
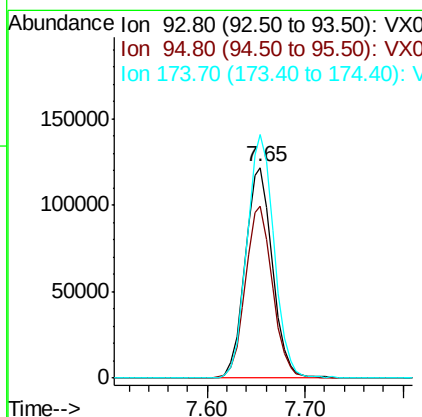
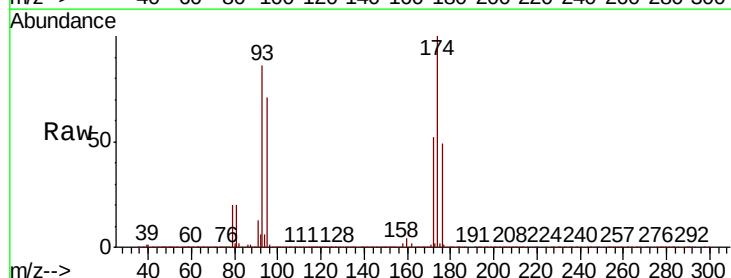
Manual Integrations
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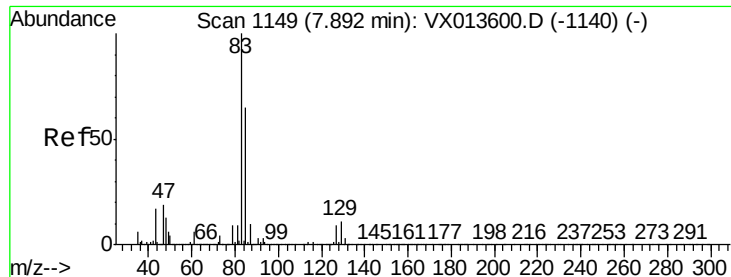
MMDadoda
 12/2/2019 12:48:04 PM



#46
 Dibromomethane
 Concen: 50.035 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.2	99.2
174	115.6	93.4	140.0





#47

Bromodichloromethane

Concen: 51.273 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

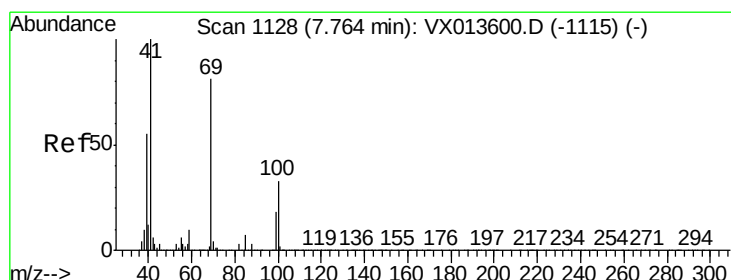
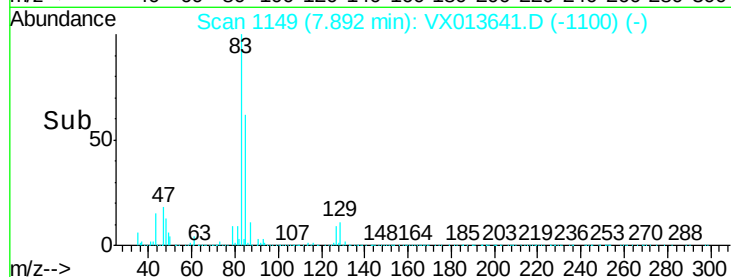
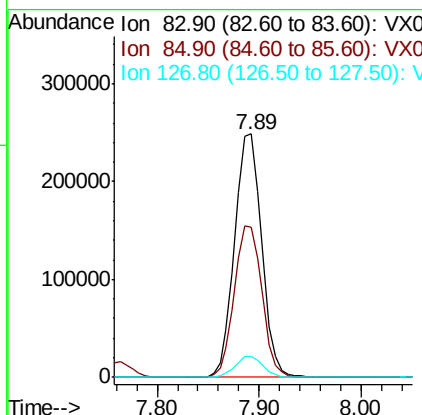
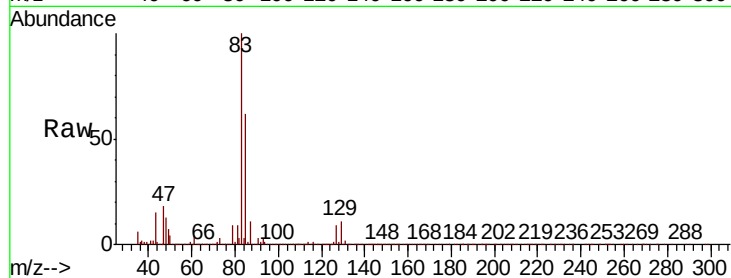
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	455442
Ion Ratio	Lower	Upper	
83	100		
85	61.5	52.1	78.1
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.682 ug/l

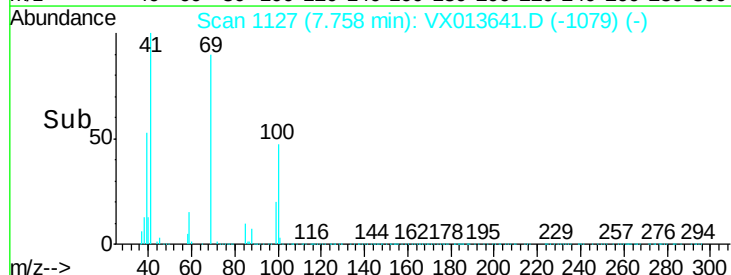
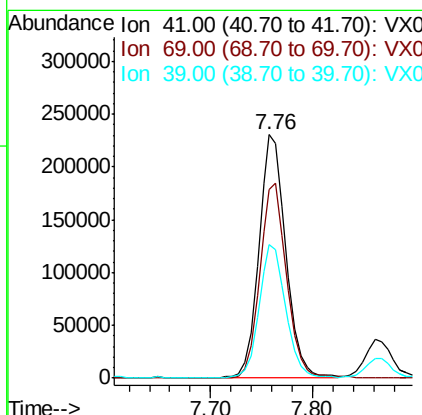
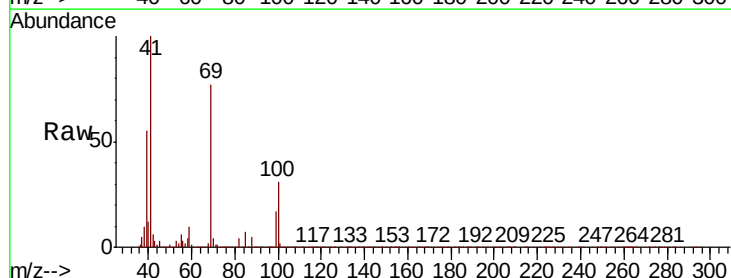
RT: 7.76 min Scan# 1127

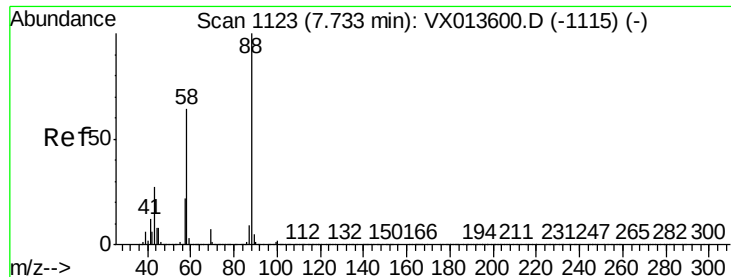
Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	41	Resp:	421055
Ion Ratio	Lower	Upper	
41	100		
69	80.6	64.7	97.1
39	54.2	43.8	65.6





#49

1,4-Dioxane

Concen: 864.201 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

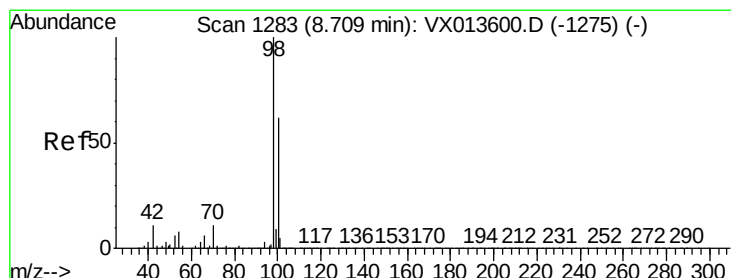
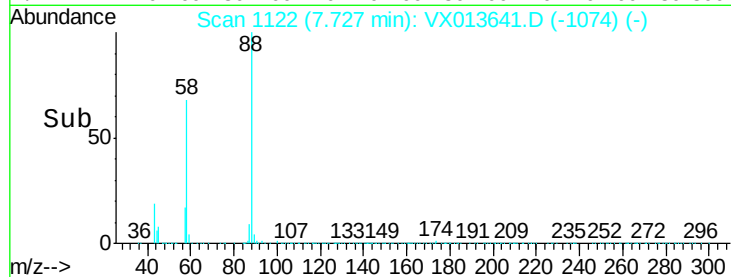
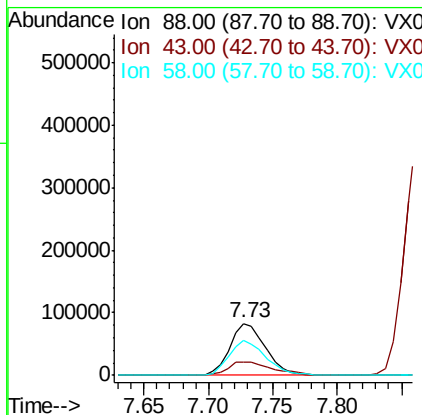
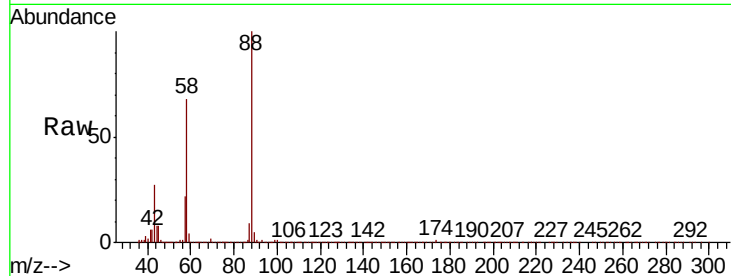
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	157599
Ion Ratio	Lower	Upper	
88	100		
43	32.9	25.8	38.6
58	70.4	54.6	82.0

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#50

Toluene-d8

Concen: 46.470 ug/l

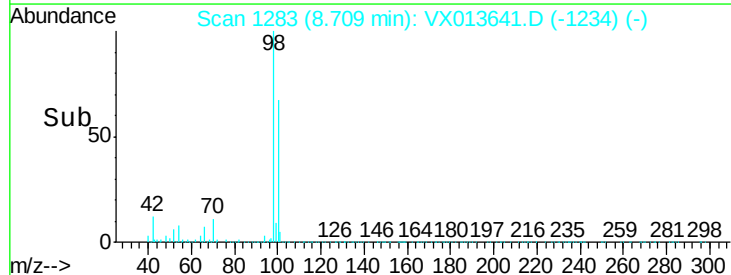
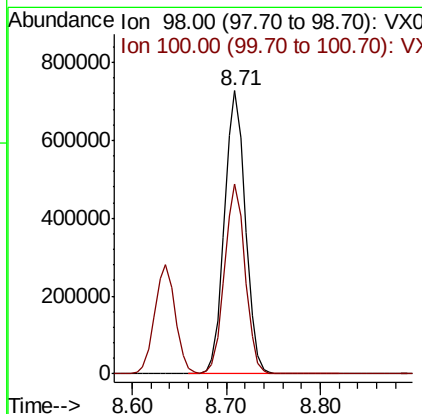
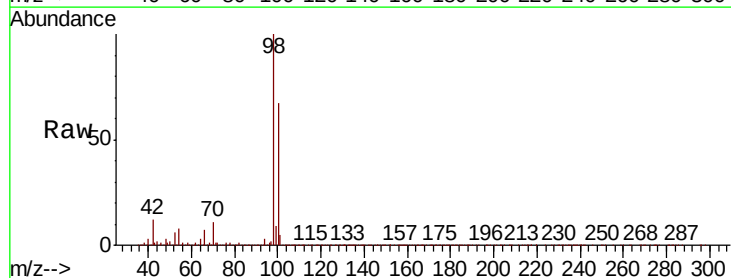
RT: 8.71 min Scan# 1283

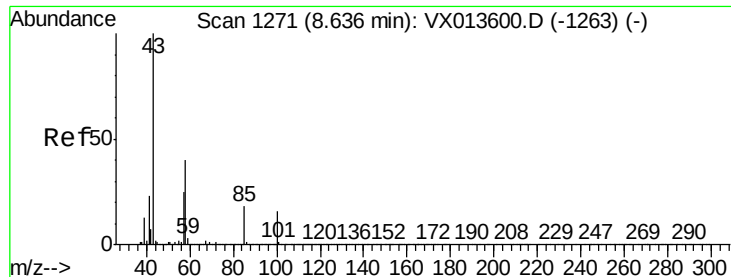
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	98	Resp:	1119468
Ion Ratio	Lower	Upper	
98	100		
100	66.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 245.944 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2594067

Ion Ratio Lower Upper

43 100

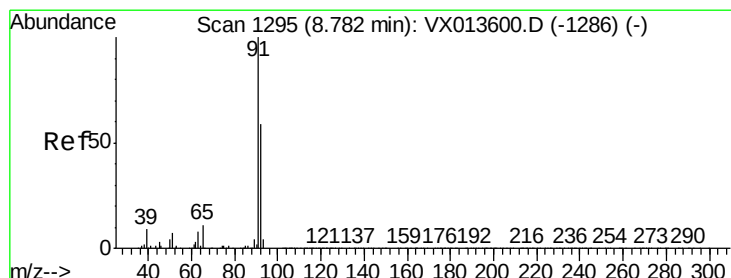
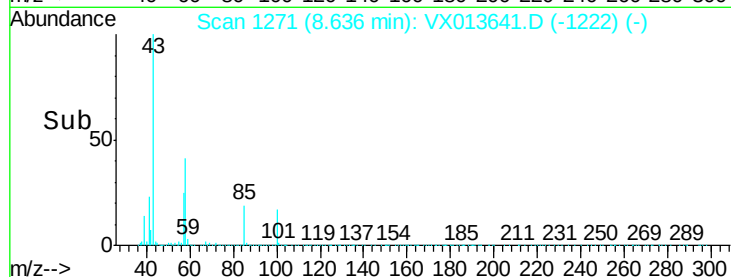
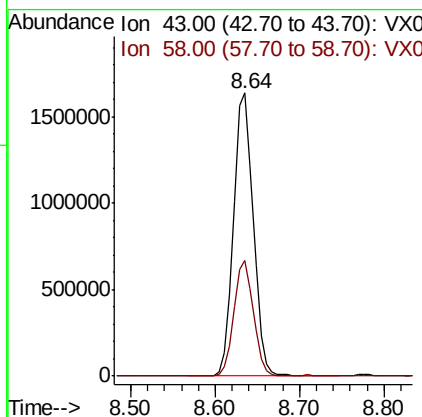
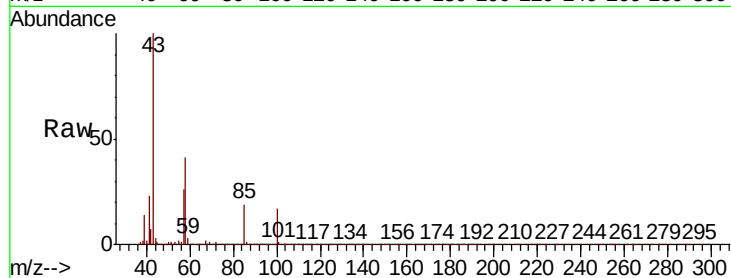
58 40.1 32.1 48.1

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#52

Toluene

Concen: 49.468 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013641.D

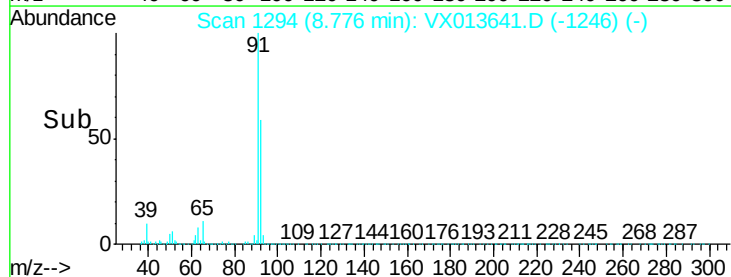
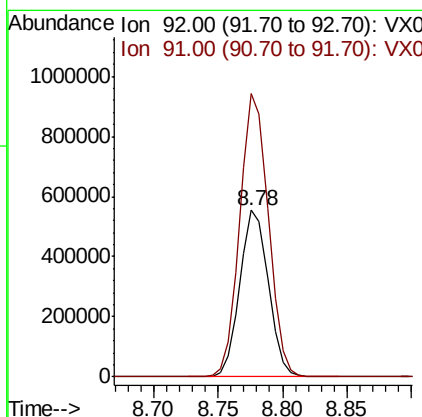
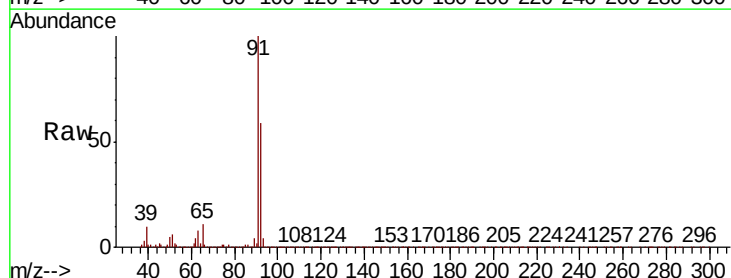
Acq: 27 Nov 2019 10:22

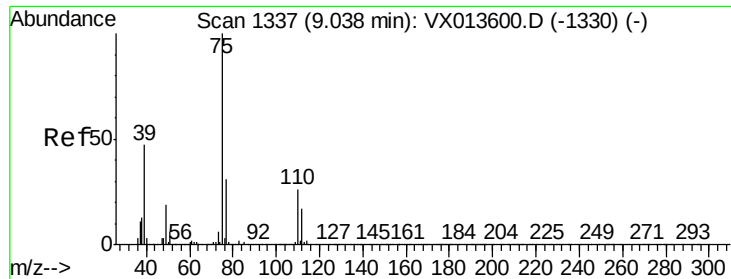
Tgt Ion: 92 Resp: 849757

Ion Ratio Lower Upper

92 100

91 170.3 136.2 204.2





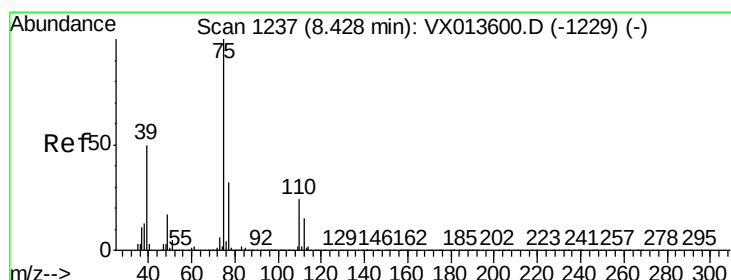
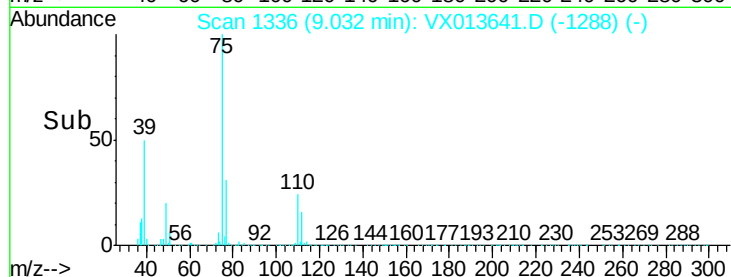
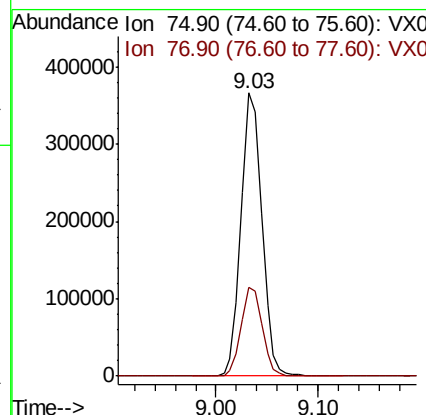
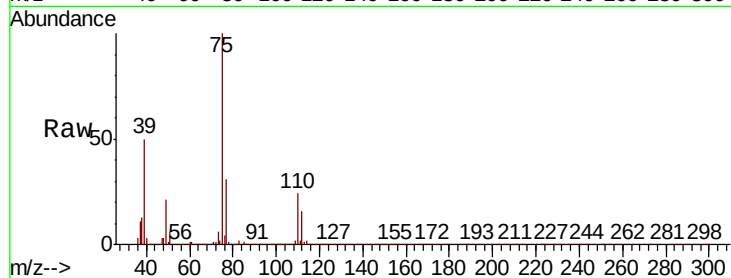
#53
t-1,3-Dichloropropene
Concen: 51.247 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6

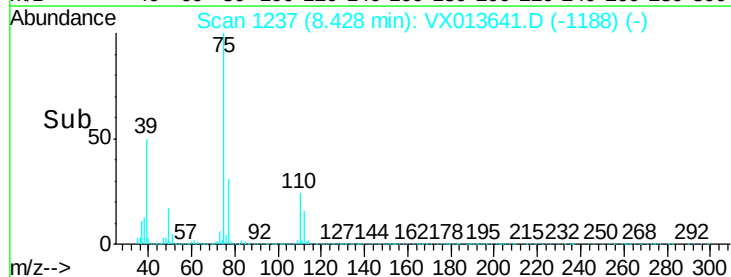
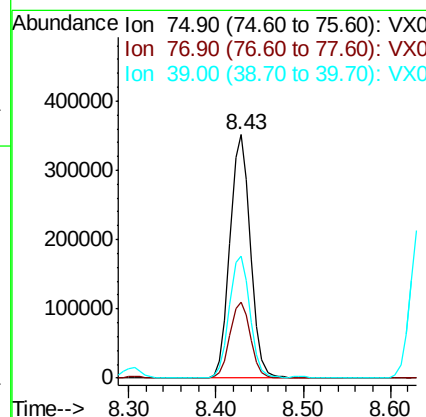
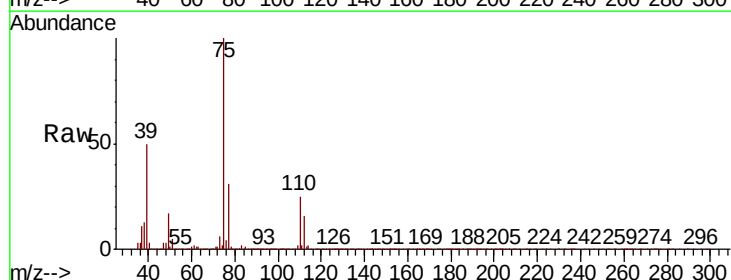
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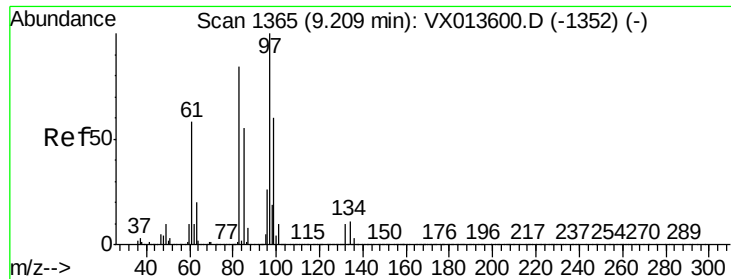
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.781 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	50.0	39.9	59.9





#55

1,1,2-Trichloroethane

Concen: 50.785 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

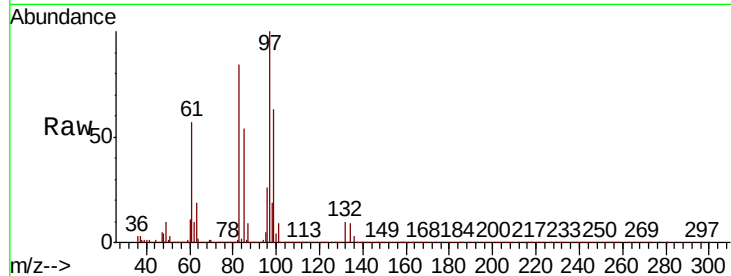
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		351555		
83	84.2	67.3	100.9		
85	53.8	43.6	65.4		
99	62.9	48.2	72.4		

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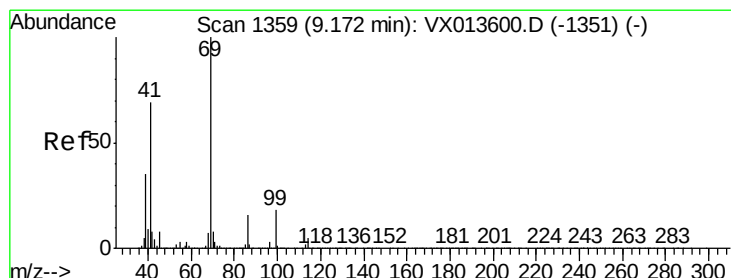
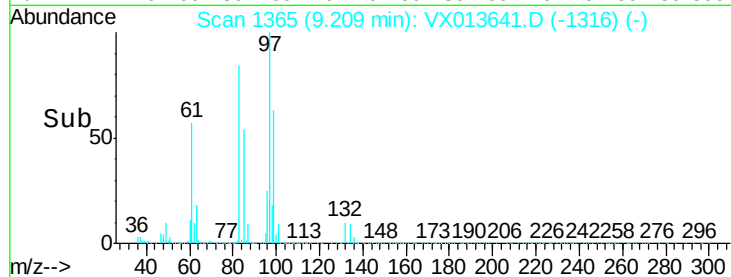
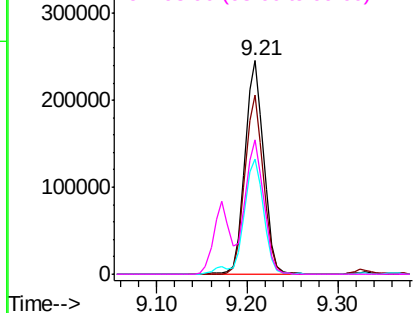
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.547 ug/l

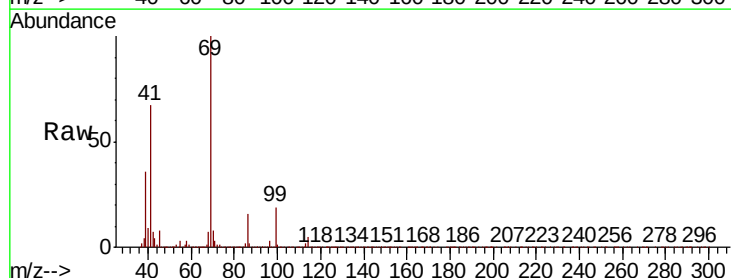
RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		573688		
41	68.0	55.0	82.4		
39	36.2	28.7	43.1		

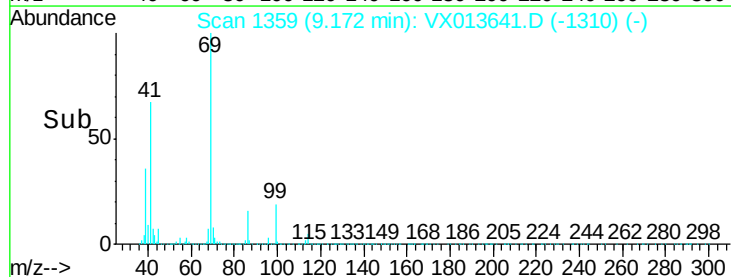
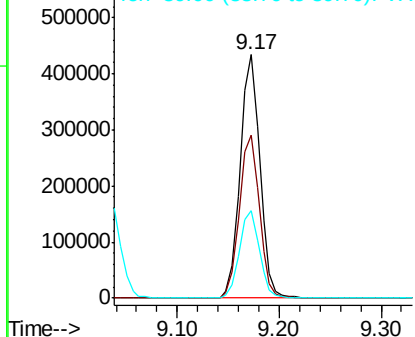


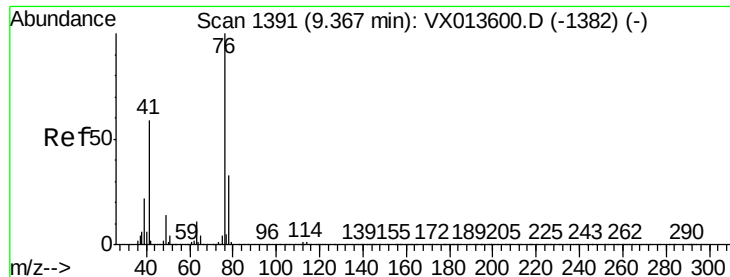
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.613 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 591985

Ion Ratio Lower Upper

76 100

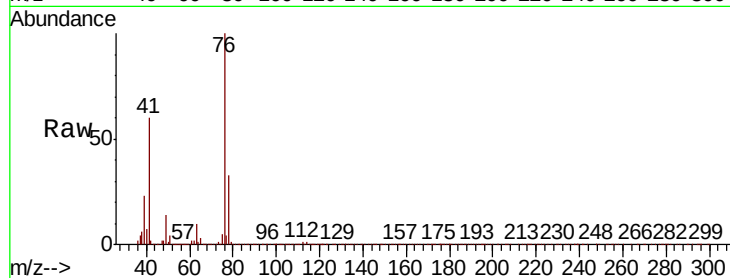
78 32.2 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

400000

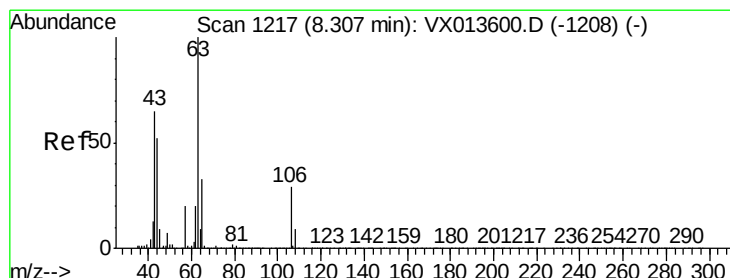
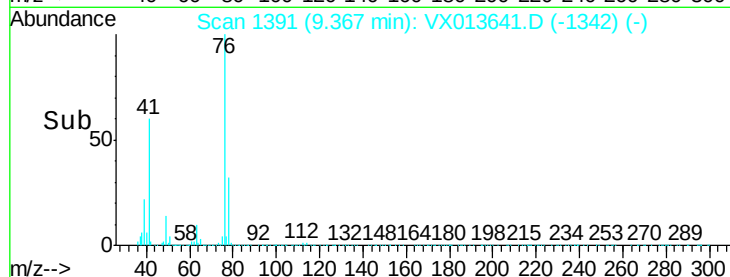
300000

200000

100000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#58

2-Chloroethyl Vinyl ether

Concen: 247.498 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013641.D

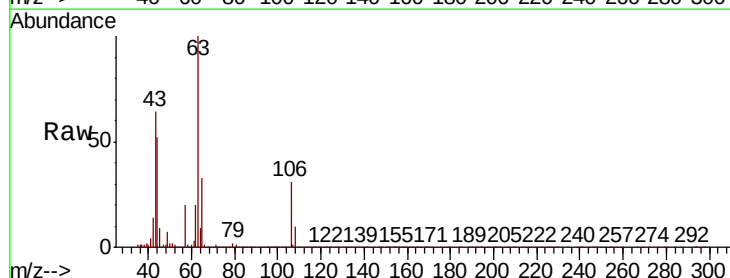
Acq: 27 Nov 2019 10:22

Tgt Ion: 63 Resp: 1079978

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

800000

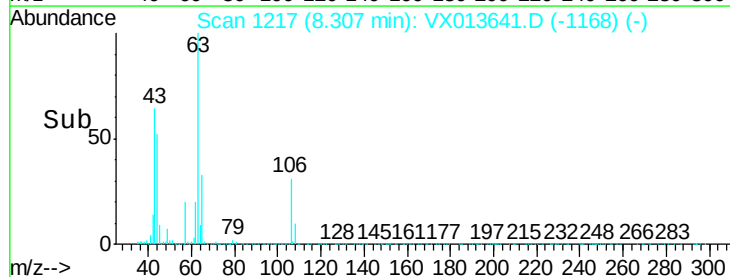
600000

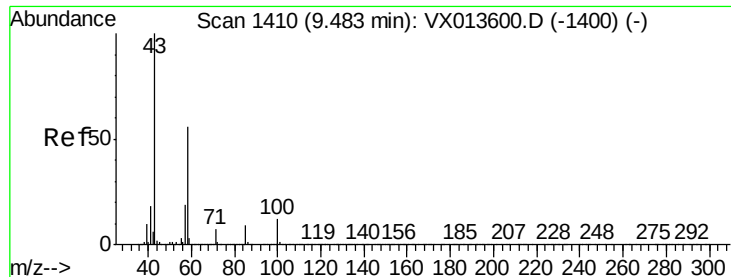
400000

200000

0

Time--> 8.20 8.30 8.40





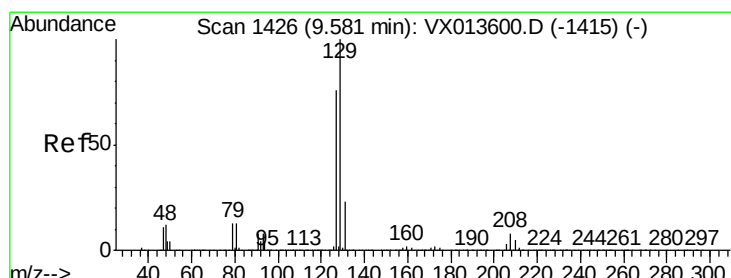
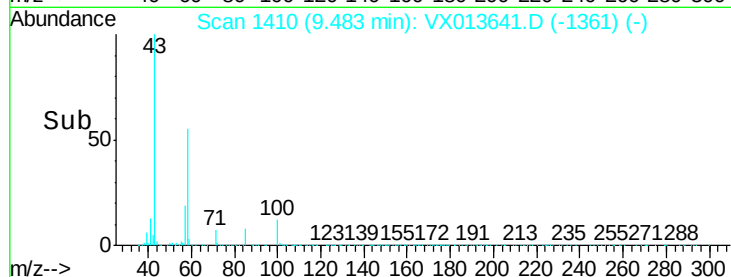
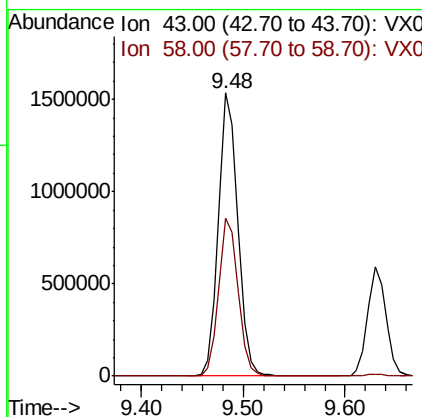
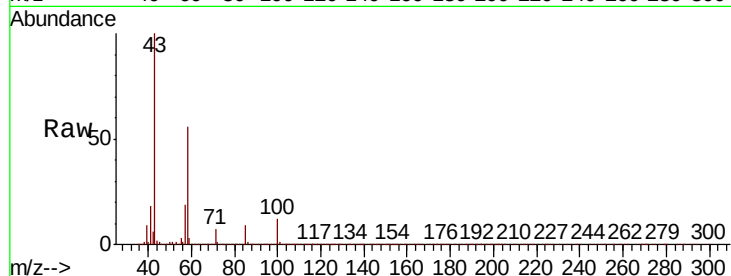
#59
2-Hexanone
Concen: 252.855 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2080034
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.4

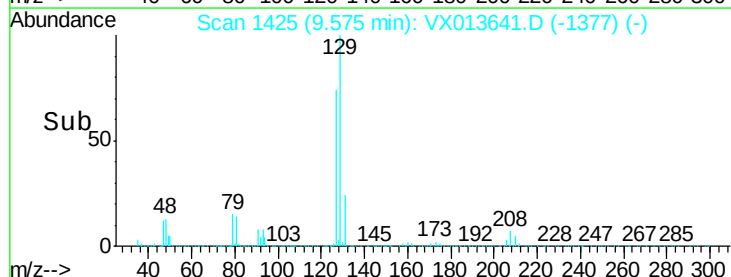
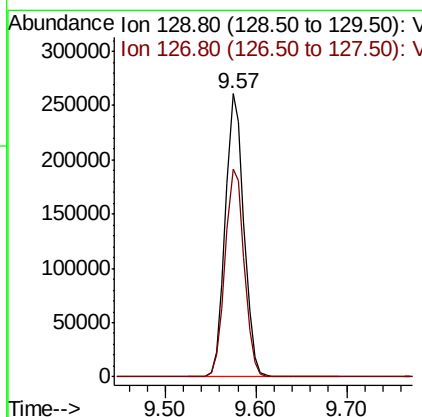
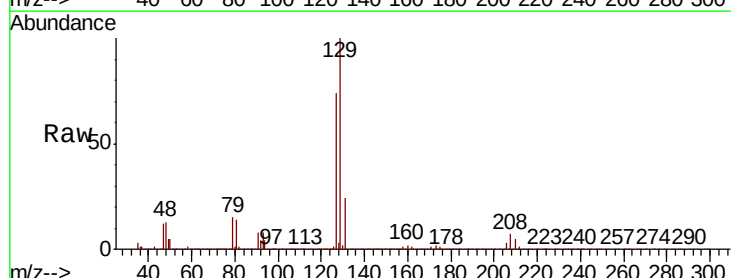
Manual Integrations
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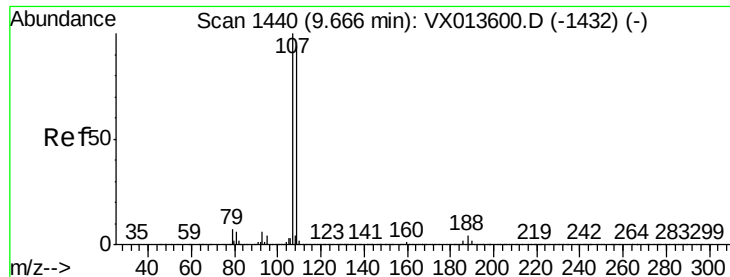
MMDadoda
12/2/2019 12:48:04 PM



#60
Dibromochloromethane
Concen: 51.613 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion: 129 Resp: 370790
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.424 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 365415

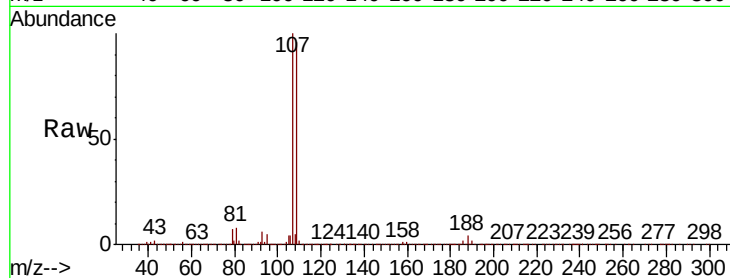
Ion Ratio Lower Upper

107 100

109 95.5 76.1 114.1

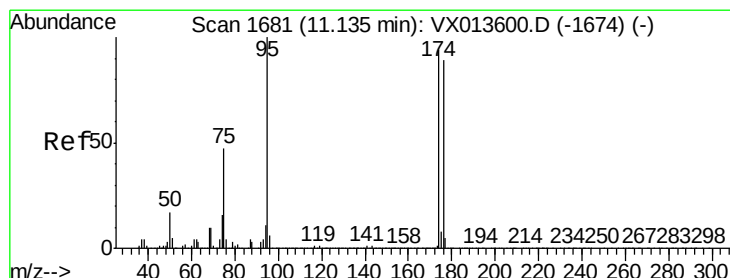
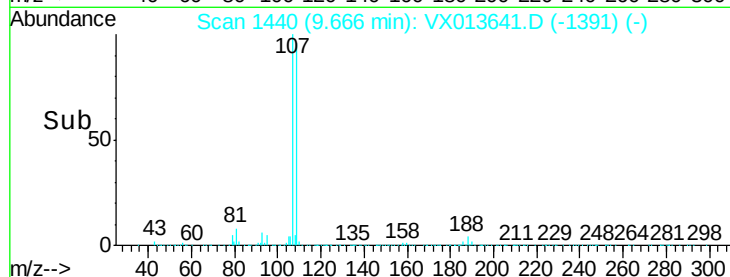
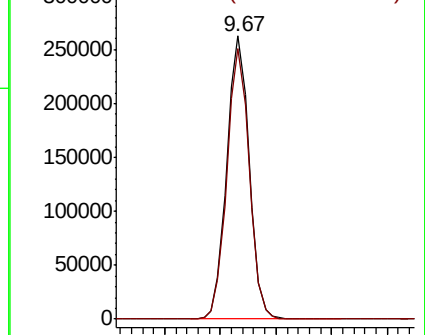
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.822 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

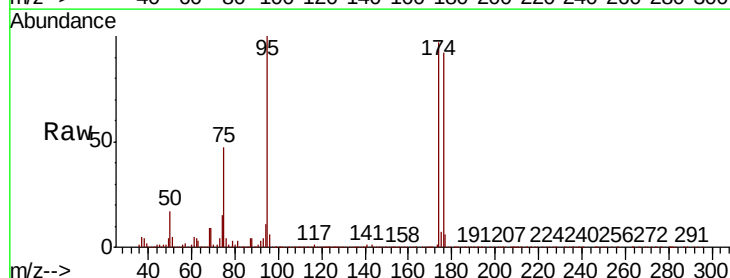
Tgt Ion: 95 Resp: 406741

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.0

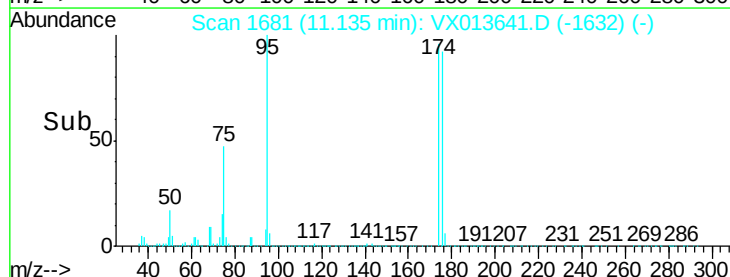
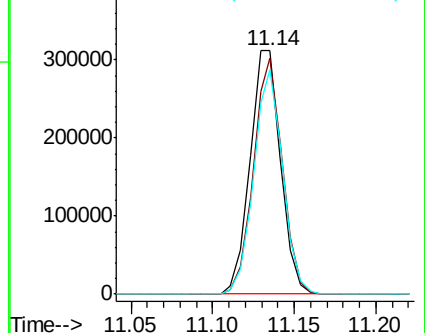
176 87.7 0.0 173.6

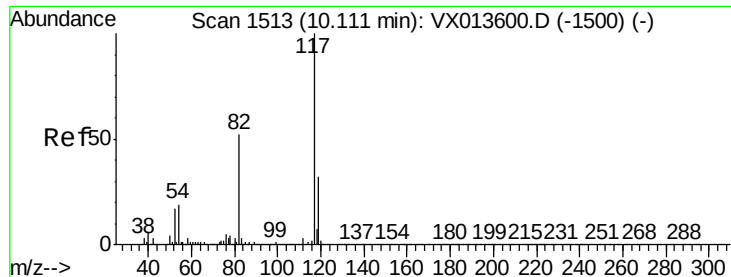


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





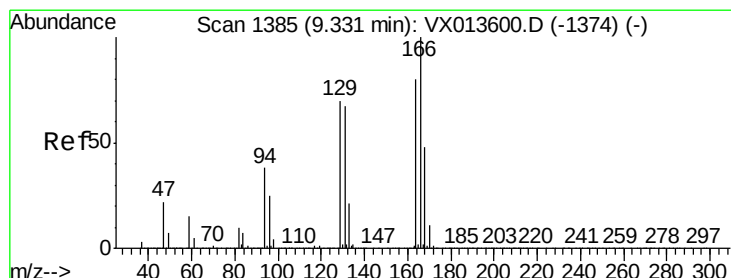
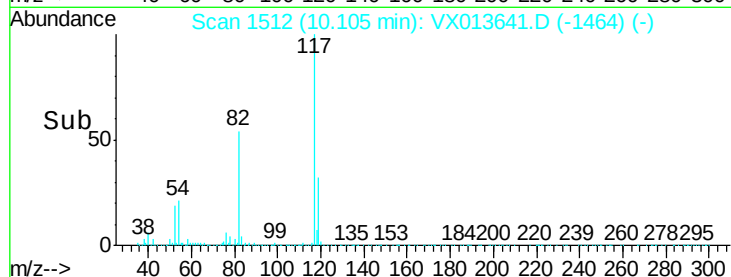
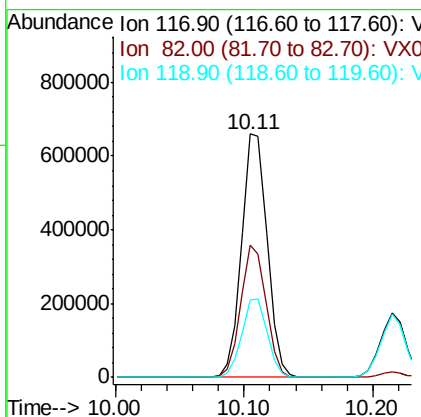
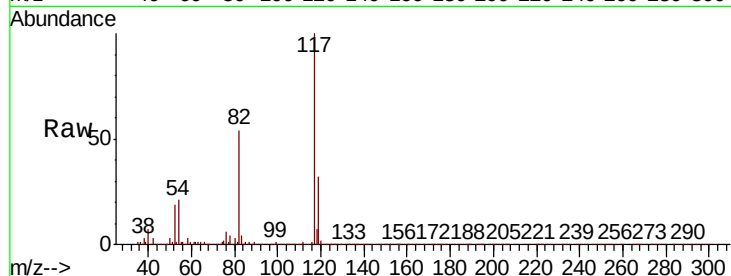
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.8	62.8
119	31.8	25.8	38.8

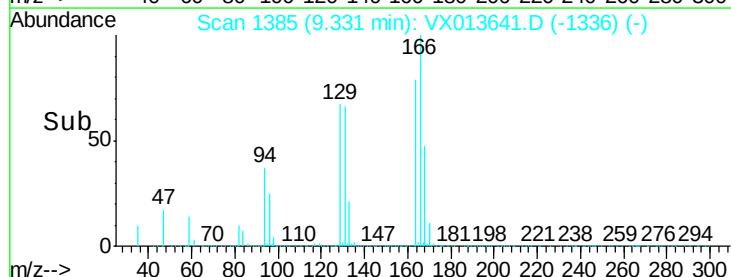
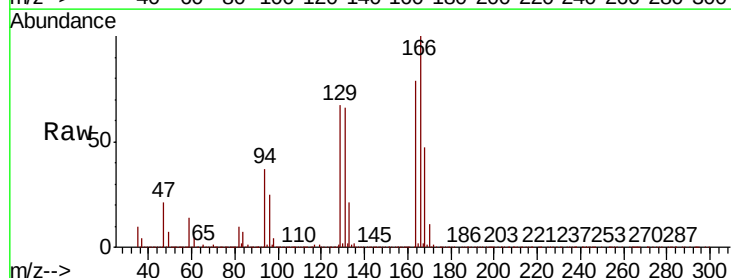
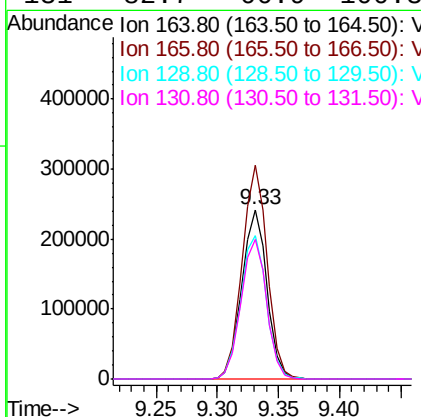
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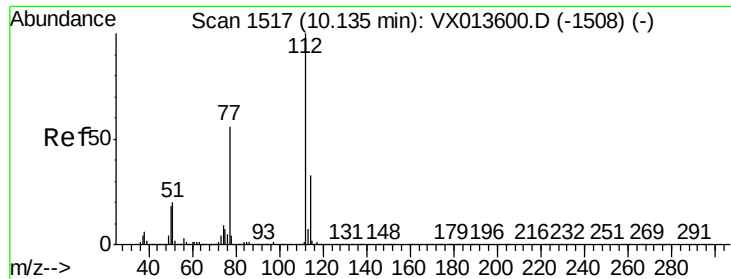
MMDadoda
12/2/2019 12:48:04 PM



#64
Tetrachloroethene
Concen: 51.106 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	99.7	149.5
129	84.6	70.1	105.1
131	82.7	66.9	100.3





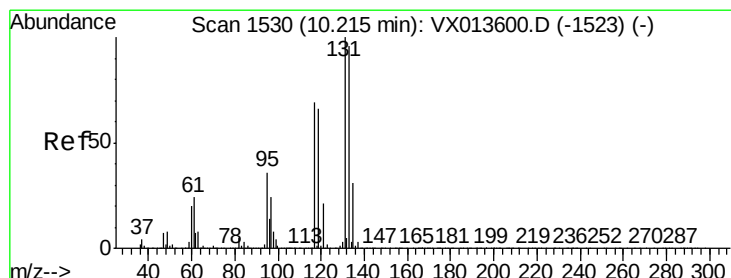
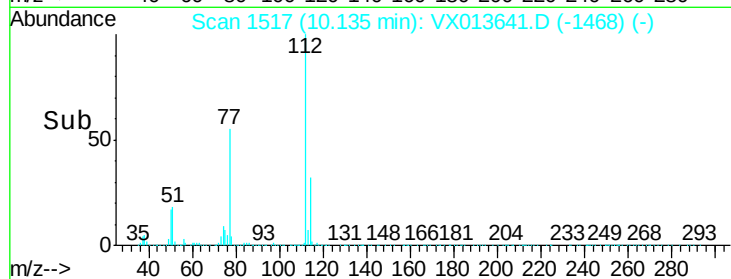
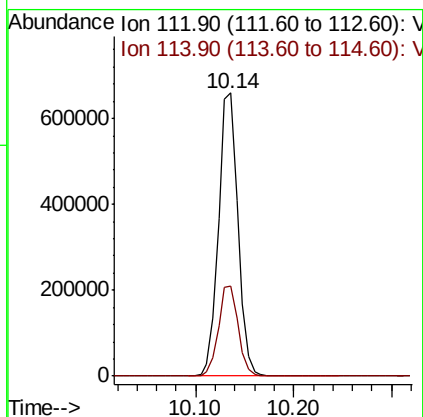
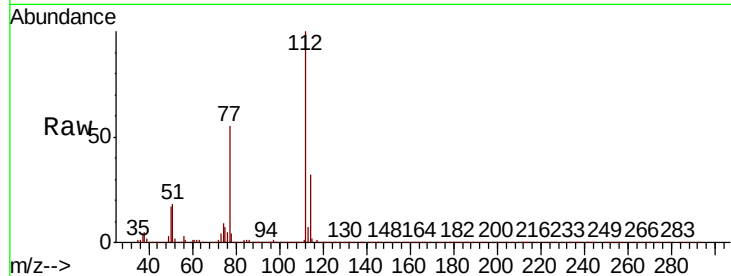
#65
Chlorobenzene
Concen: 48.444 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1

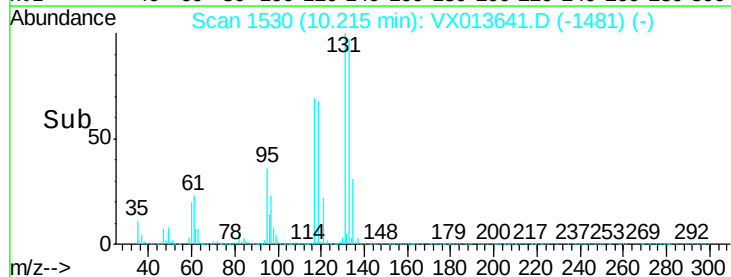
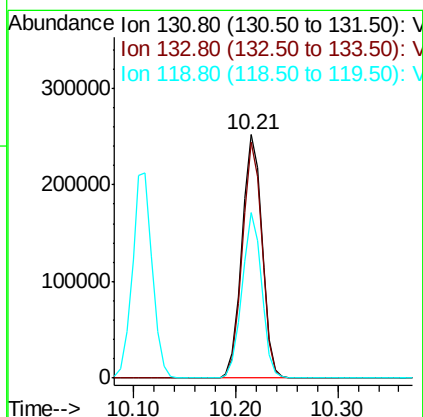
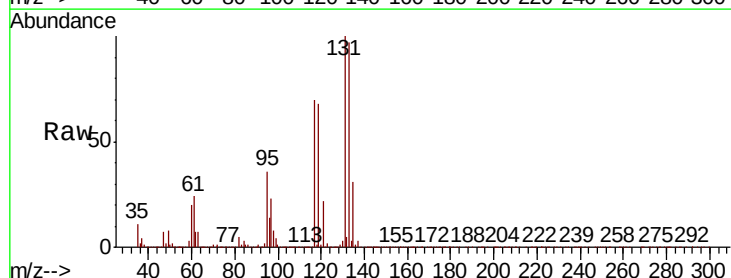
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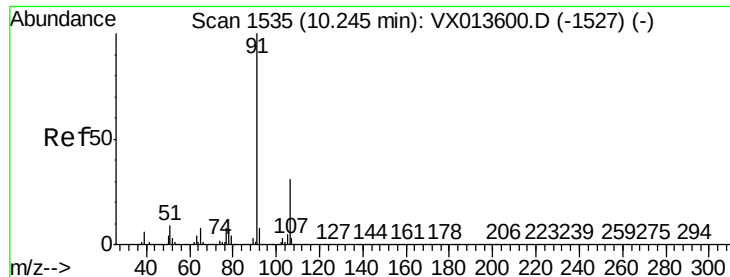
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.910 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.7	143.1
119	65.6	32.9	98.6





#67

Ethyl Benzene

Concen: 50.353 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1622987

Ion Ratio Lower Upper

91 100

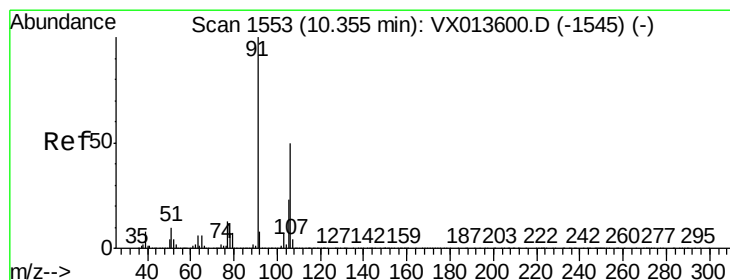
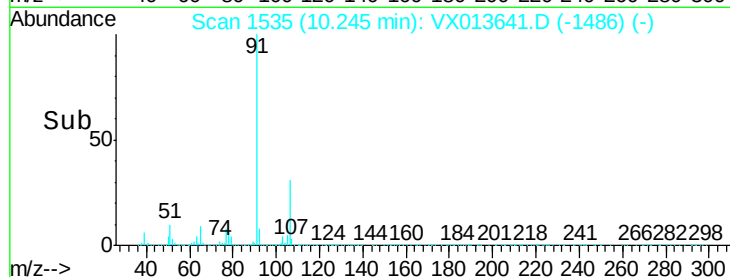
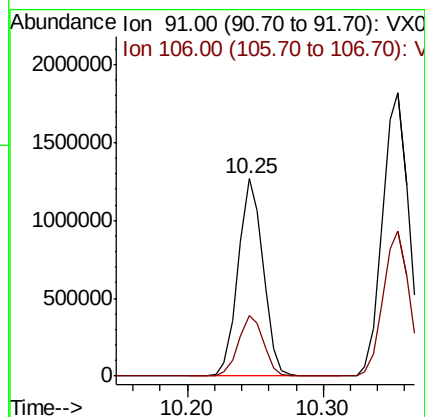
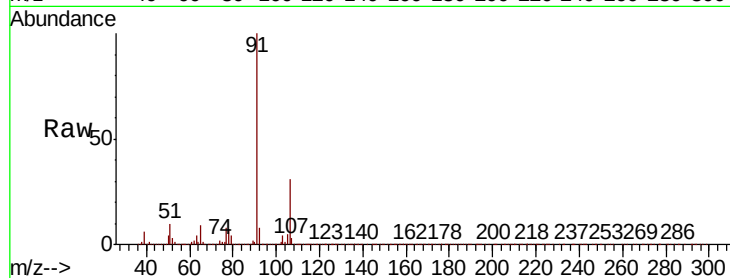
106 30.6 24.5 36.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.120 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013641.D

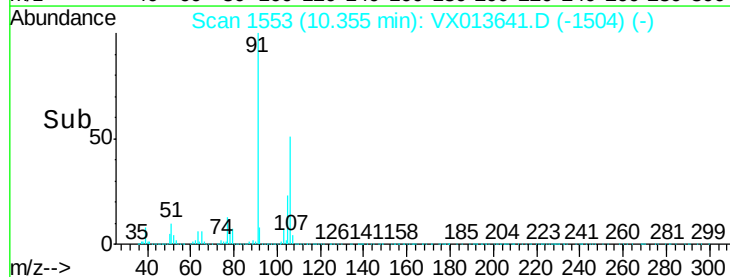
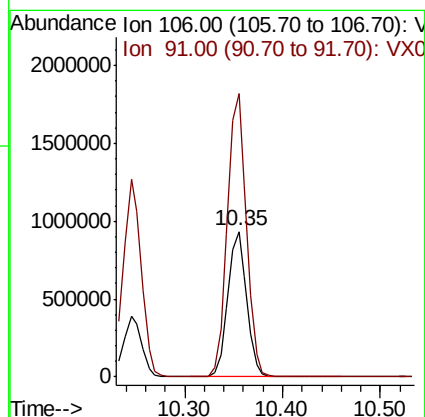
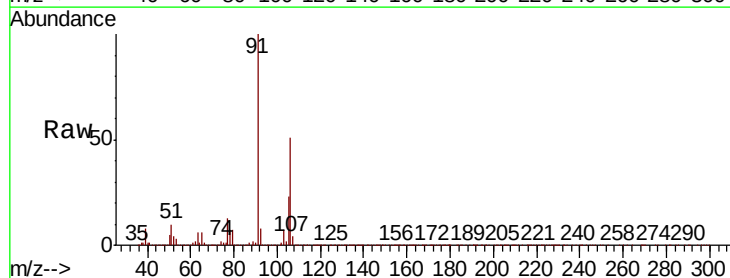
Acq: 27 Nov 2019 10:22

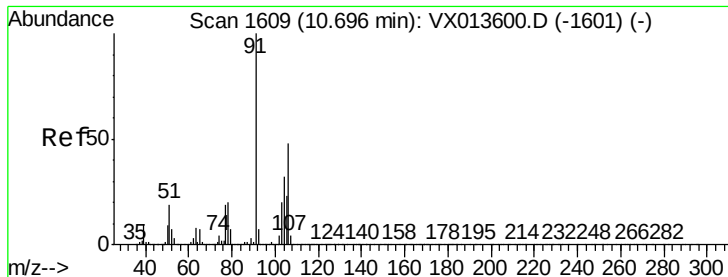
Tgt Ion: 106 Resp: 1235502

Ion Ratio Lower Upper

106 100

91 198.0 159.0 238.4





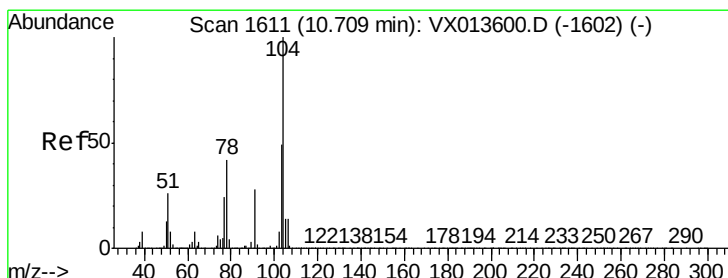
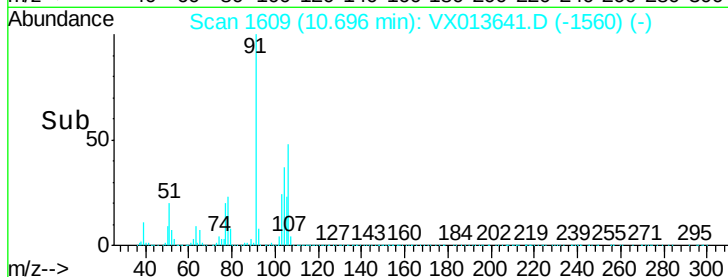
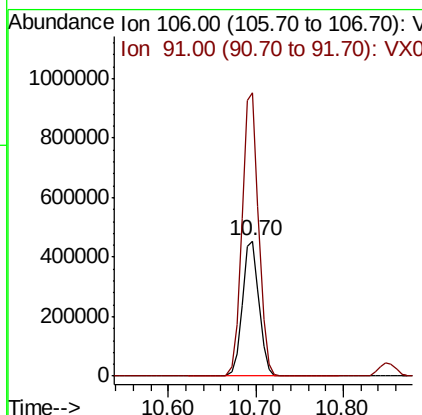
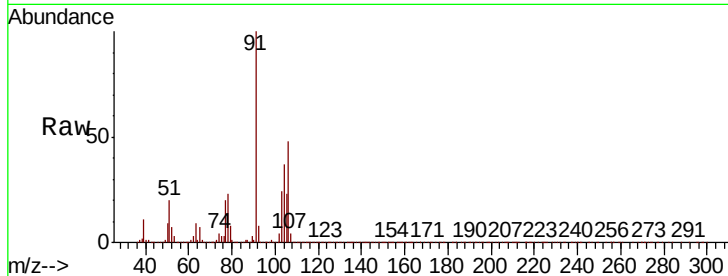
#69
o-Xylene
Concen: 49.865 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.1	104.1	312.2

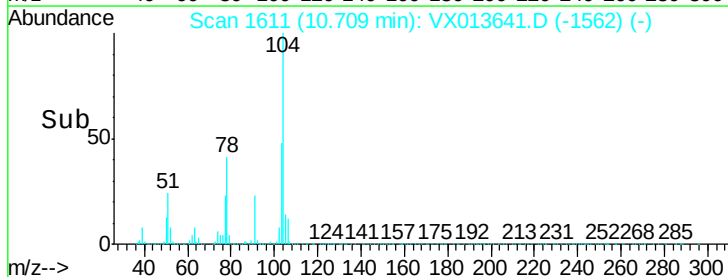
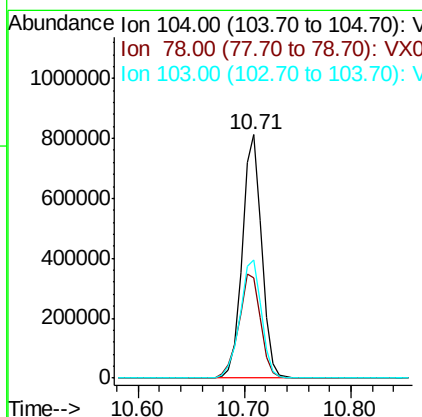
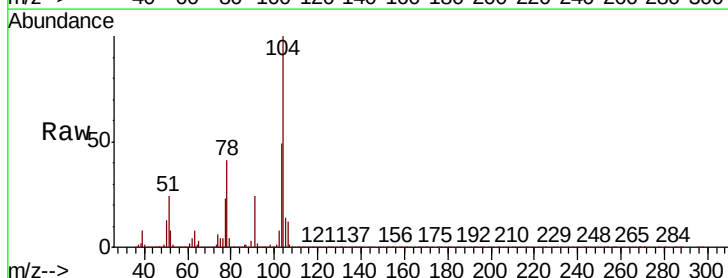
Manual Integrations
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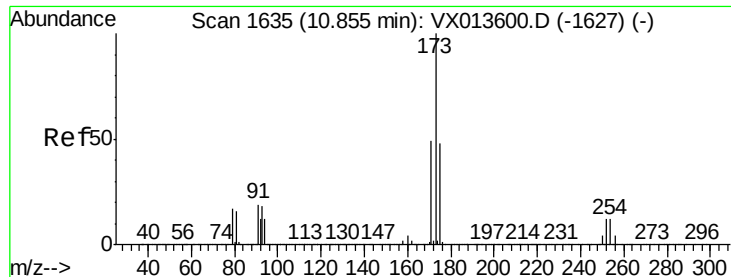
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#70
Styrene
Concen: 51.191 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.5	57.7
103	54.1	43.7	65.5





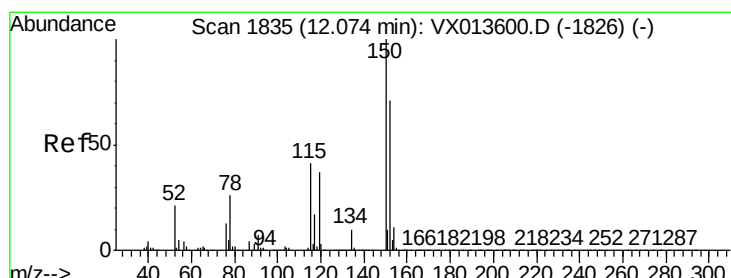
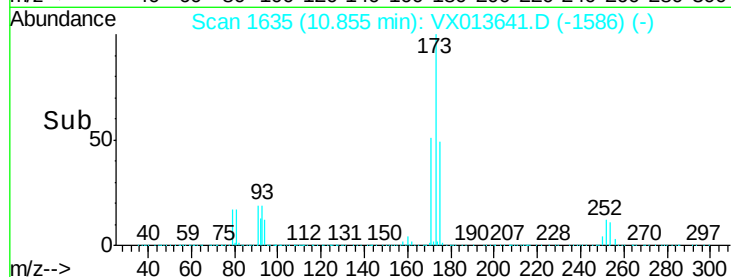
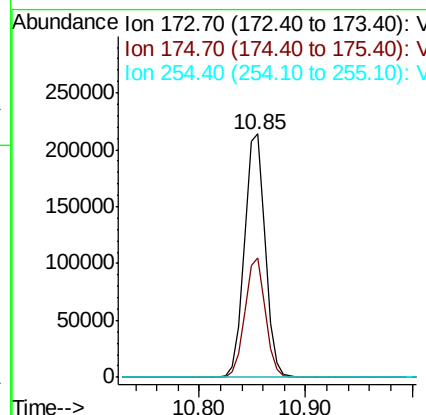
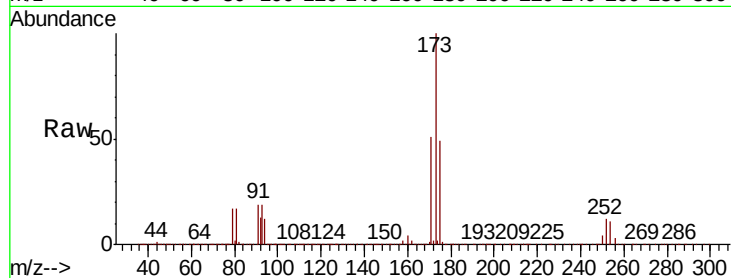
#71
Bromoform
Concen: 52.577 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.1	0.2	0.4

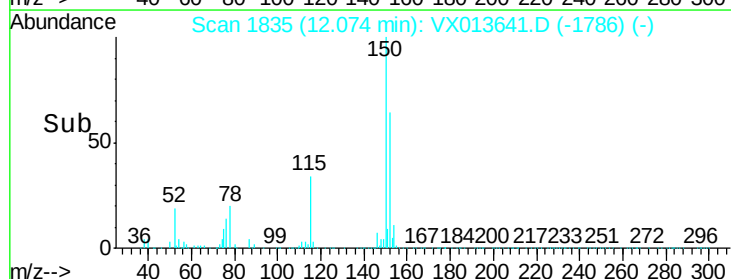
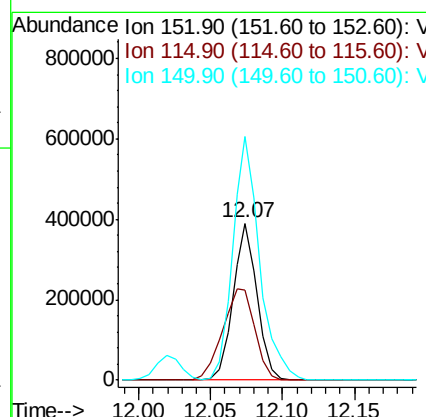
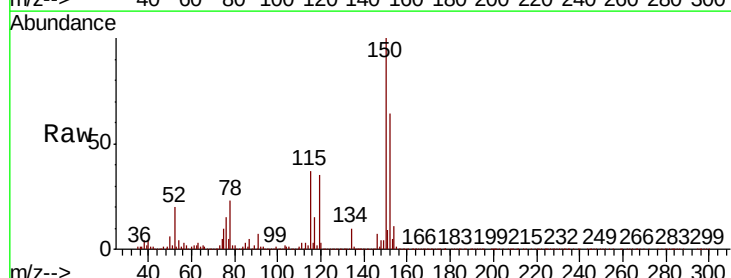
Manual Integrations
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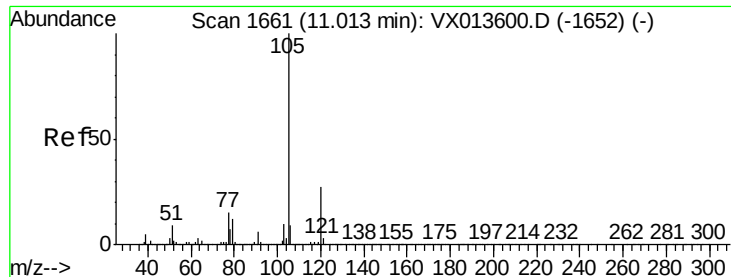
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.6	38.4	115.1
150	174.1	0.0	346.8





#73

Isopropylbenzene

Concen: 49.782 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1586184

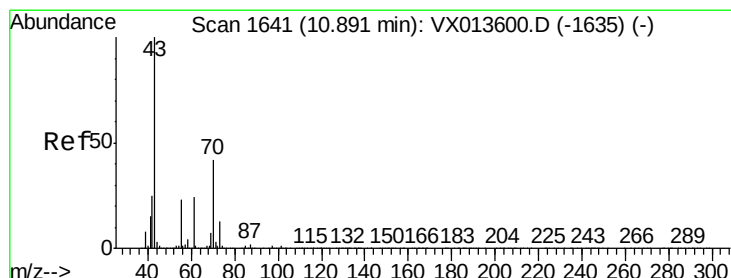
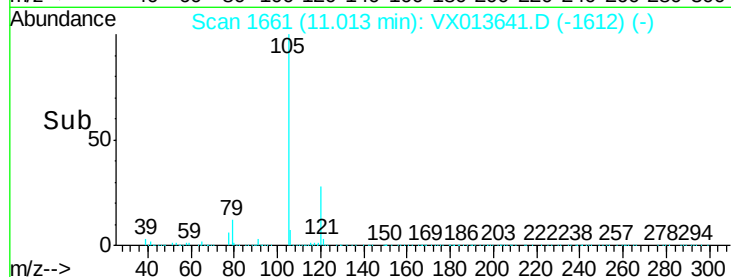
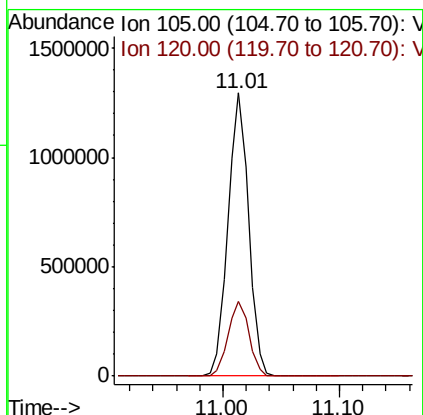
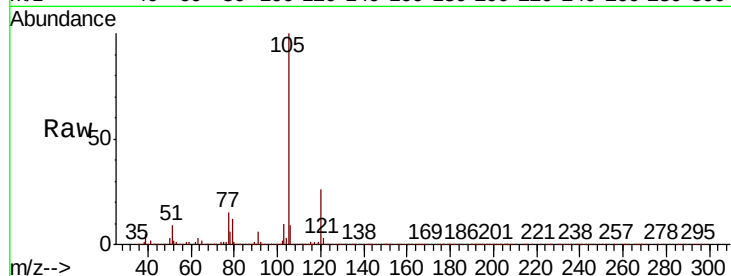
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5

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#74

N-ethyl acetate

Concen: 50.869 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion: 43 Resp: 742481

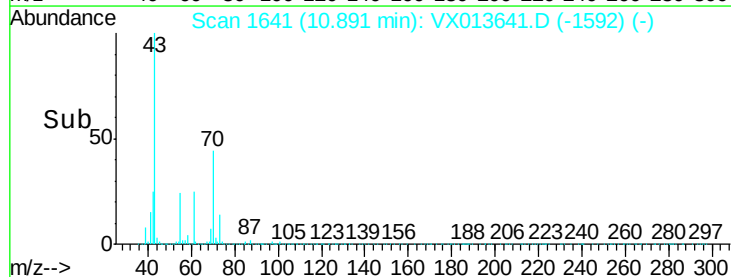
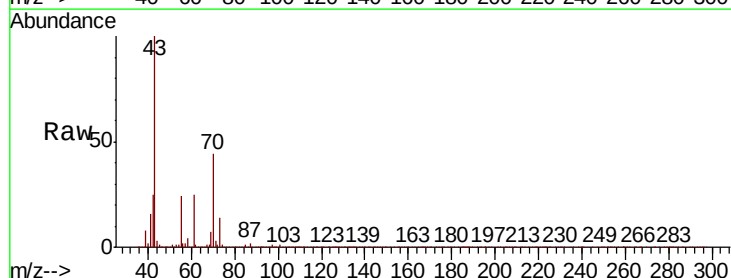
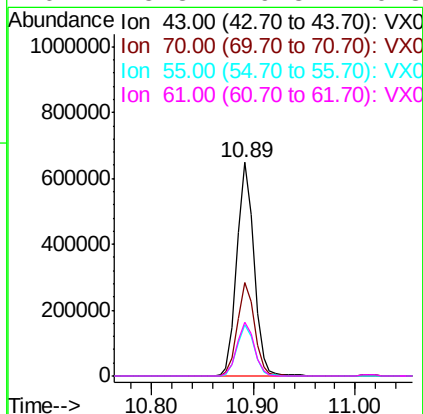
Ion Ratio Lower Upper

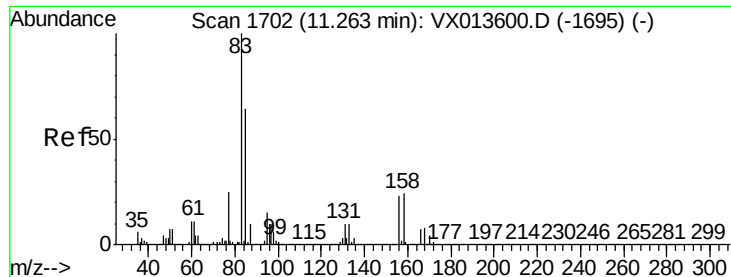
43 100

70 43.9 34.3 51.5

55 24.0 18.5 27.7

61 25.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.279 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

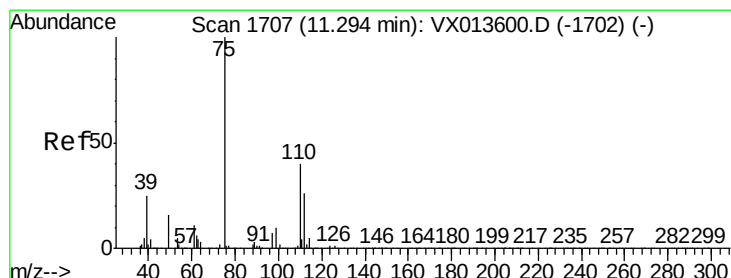
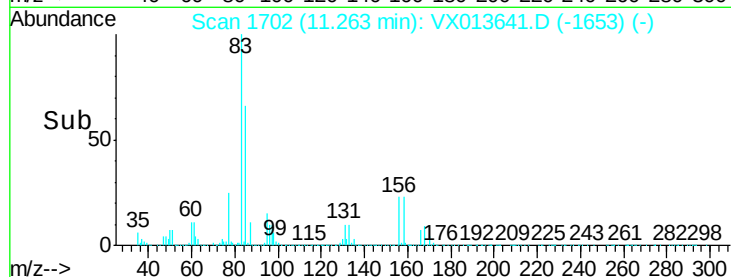
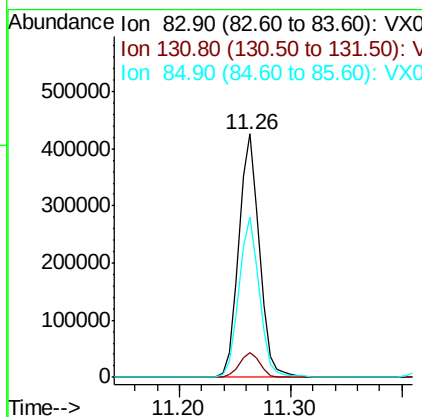
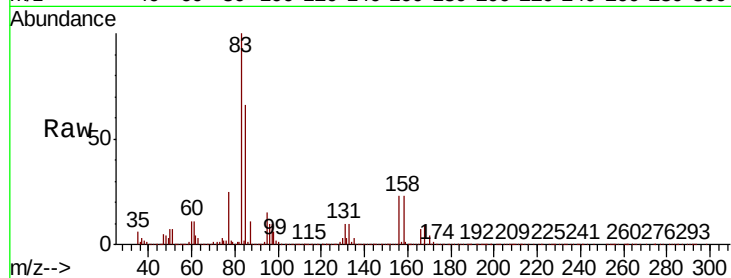
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	544523
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	65.8	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.965 ug/l m

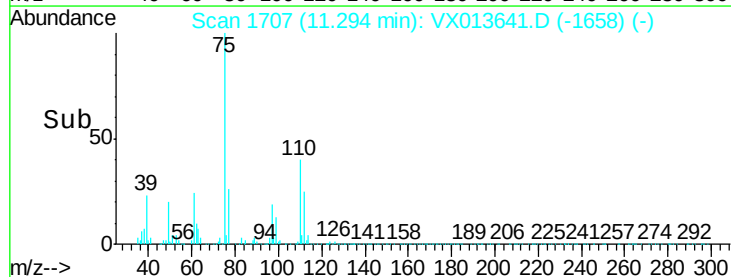
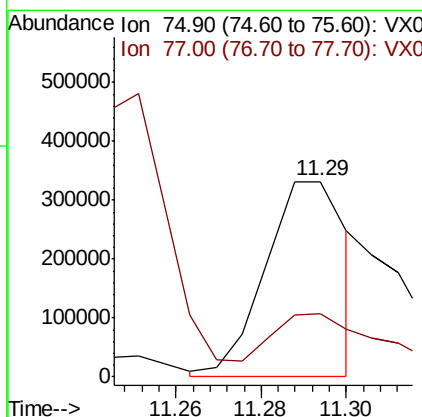
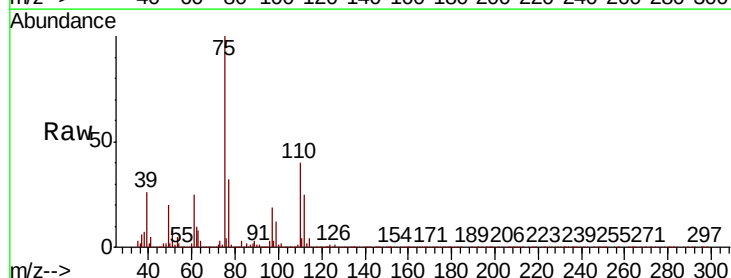
RT: 11.29 min Scan# 1707

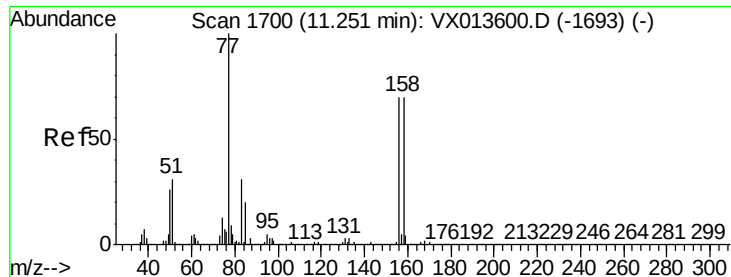
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	75	Resp:	438951
Ion Ratio	Lower	Upper	
75	100		
77	44.1	19.1	57.5





#77

Bromobenzene

Concen: 48.866 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

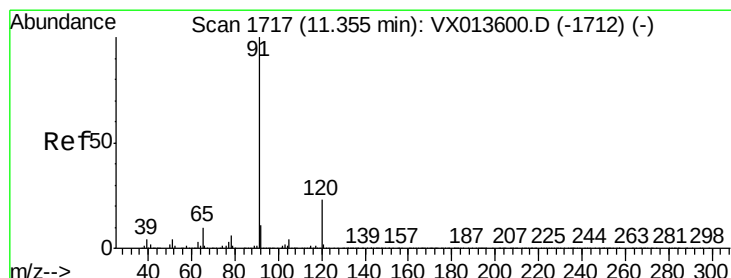
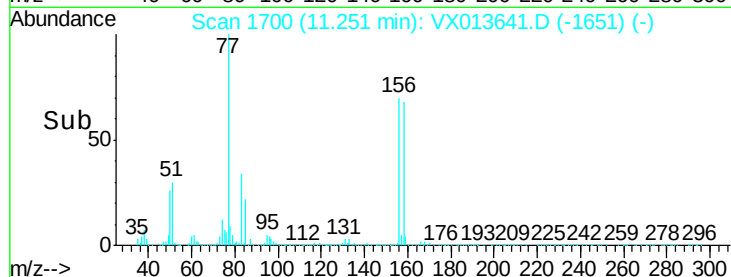
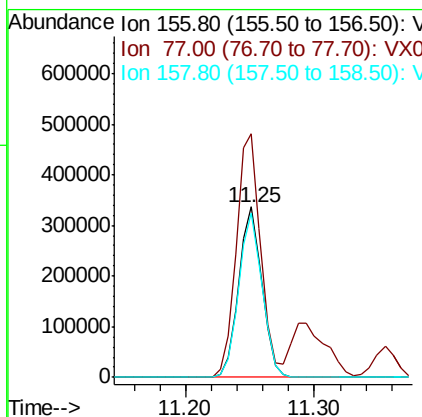
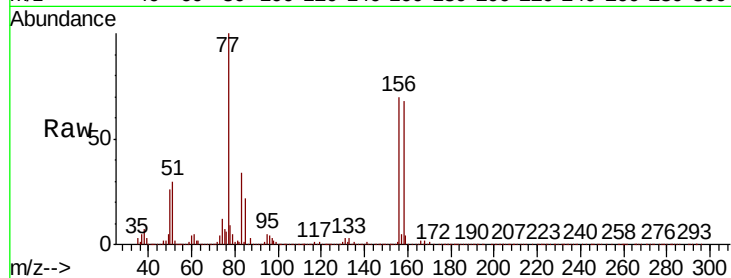
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	420625
Ion Ratio	Lower	Upper	
156	100		
77	150.4	74.4	223.1
158	96.5	48.9	146.6

Manual Integrations
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12/2/2019 12:48:04 PM



#78

n-propylbenzene

Concen: 50.871 ug/l

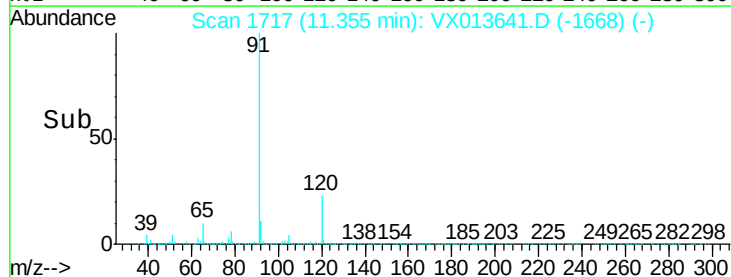
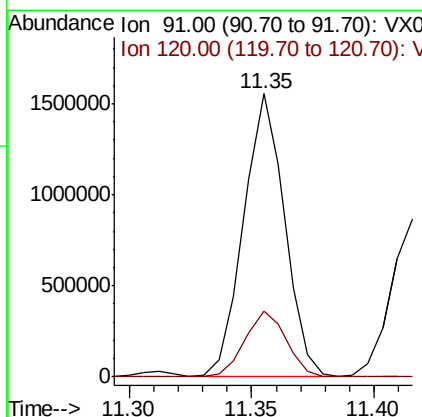
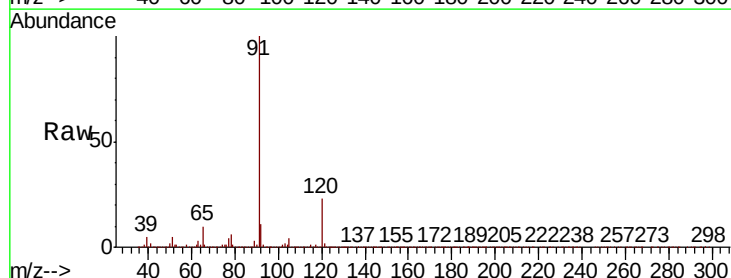
RT: 11.35 min Scan# 1717

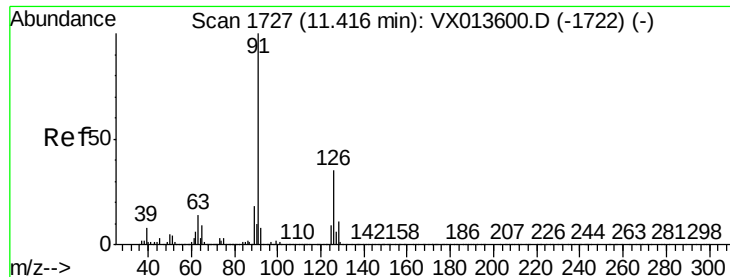
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	91	Resp:	1809401
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 49.395 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1053927

Ion Ratio Lower Upper

91 100

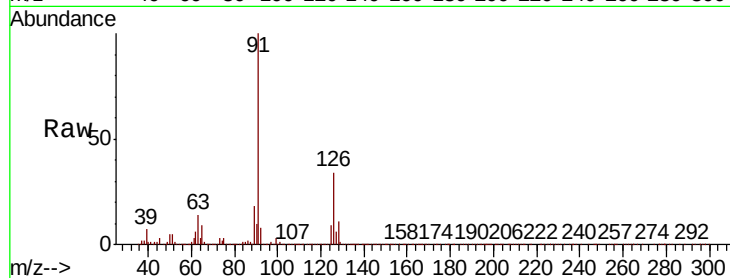
126 35.2 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VX013641.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX013641.D (-1678) (-)

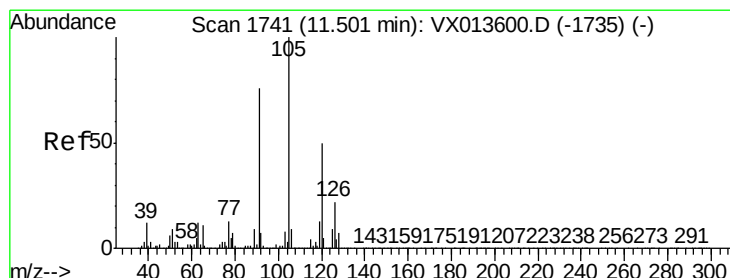
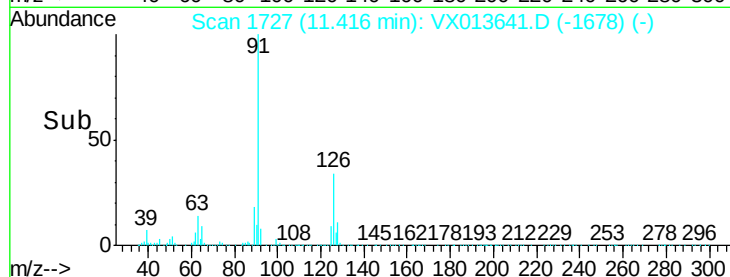
1500000

1000000

500000

0

11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 51.232 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013641.D

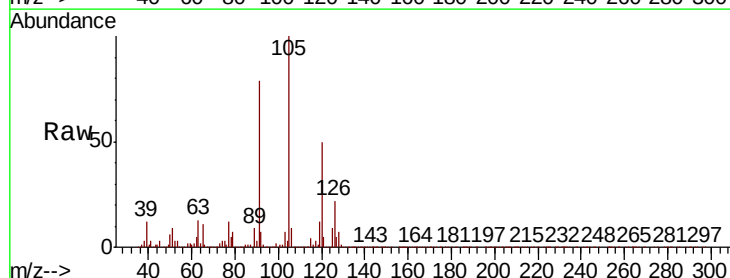
Acq: 27 Nov 2019 10:22

Tgt Ion: 105 Resp: 1337896

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013641.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX013641.D (-1692) (-)

1200000

1000000

800000

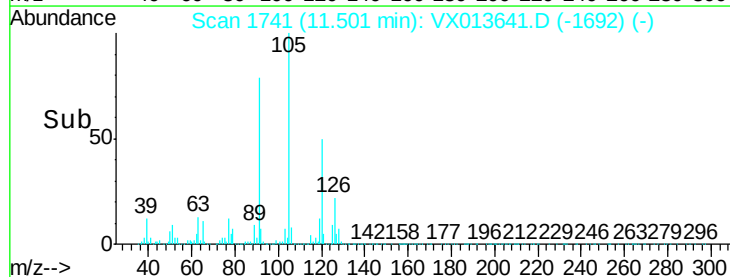
600000

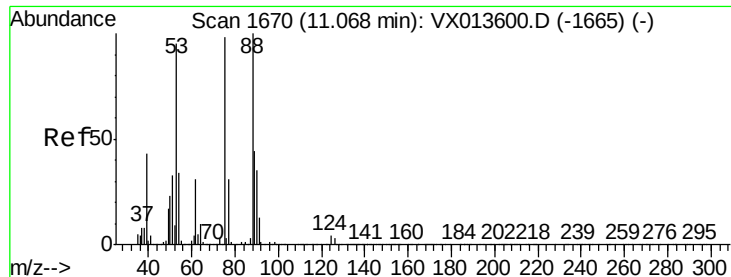
400000

200000

0

11.45 11.50 11.55 11.60





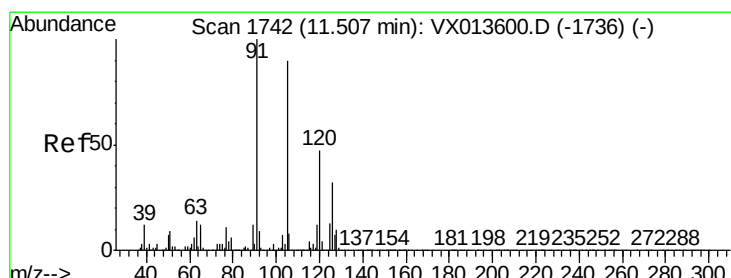
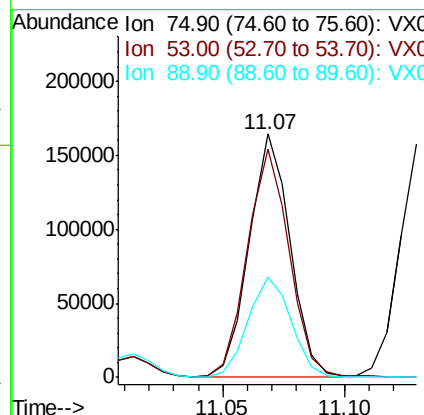
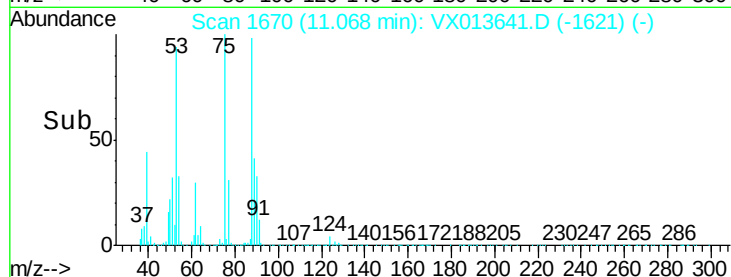
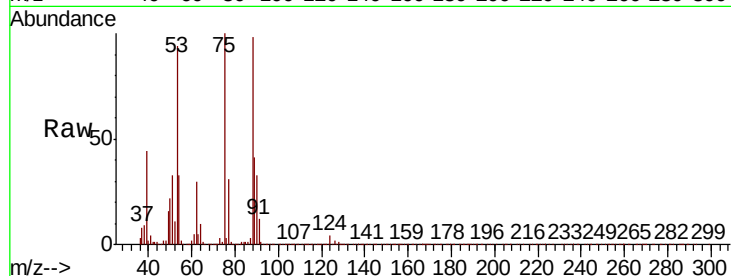
#81
trans-1,4-Dichloro-2-butene
Concen: 51.235 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	78.2	117.2
89	43.8	35.4	53.2

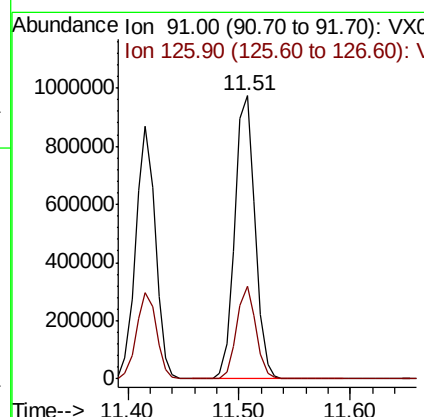
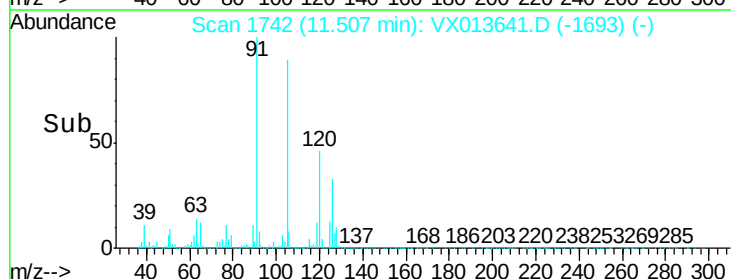
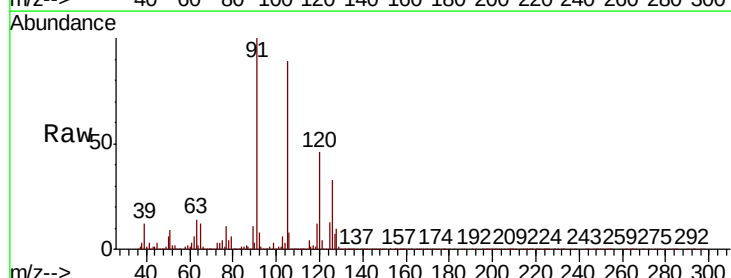
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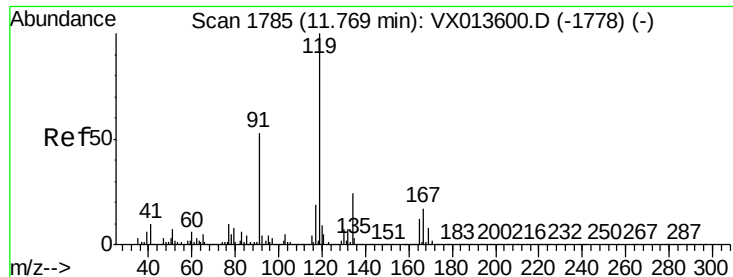
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.518 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.0





#83

tert-Butylbenzene

Concen: 49.825 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

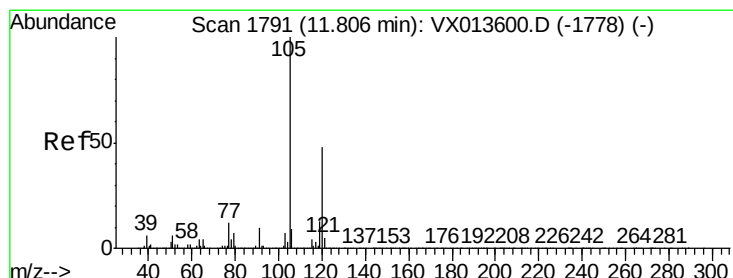
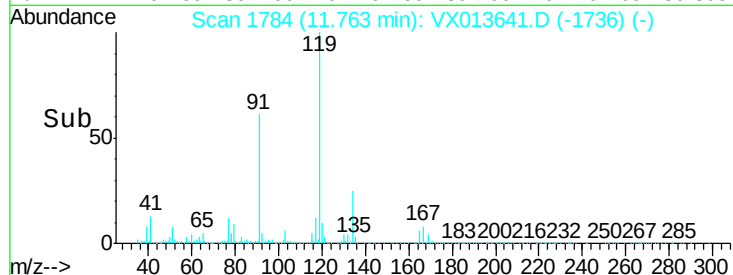
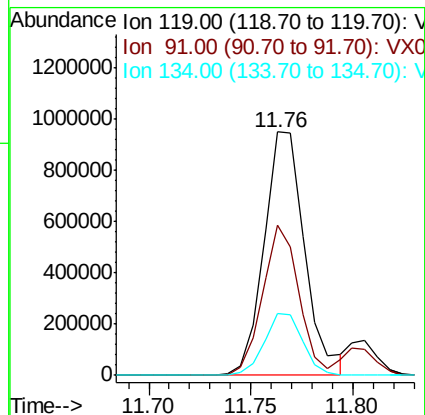
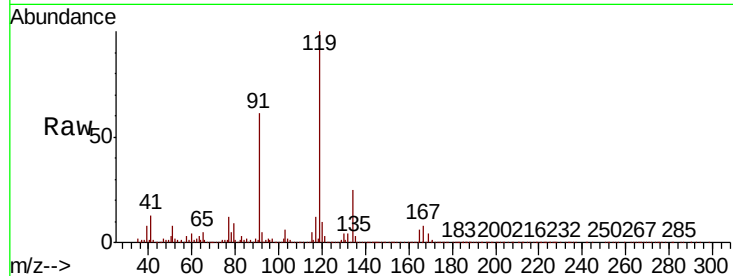
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	1322350
Ion	Ratio	Lower	Upper
119	100		
91	54.8	27.2	81.6
134	23.9	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 50.716 ug/l

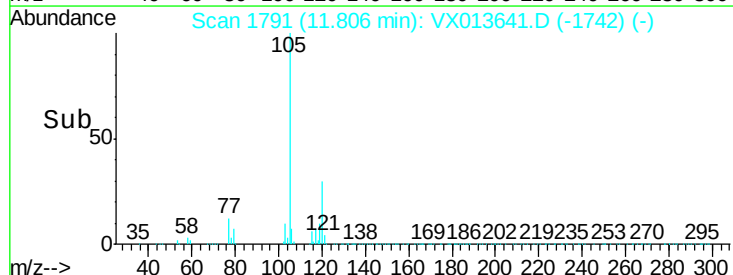
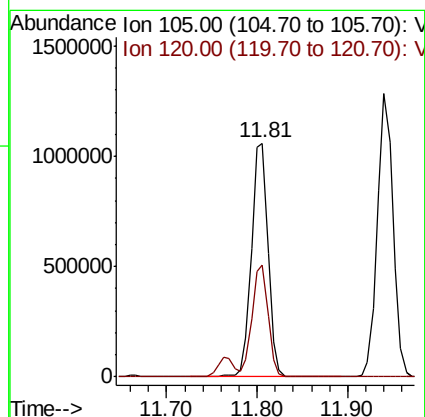
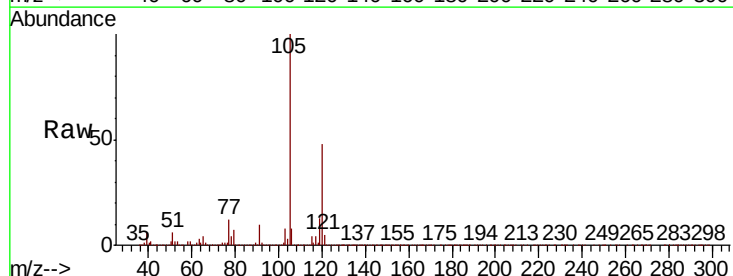
RT: 11.81 min Scan# 1791

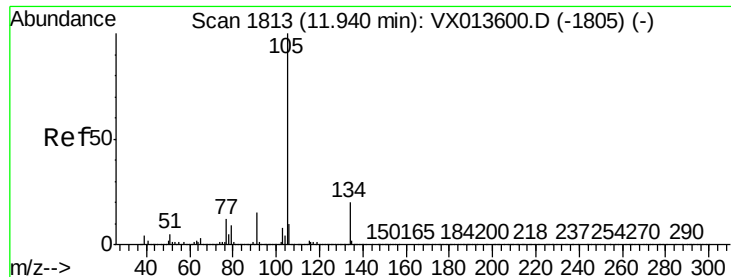
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	105	Resp:	1344152
Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 50.863 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1541872

Ion Ratio Lower Upper

105 100

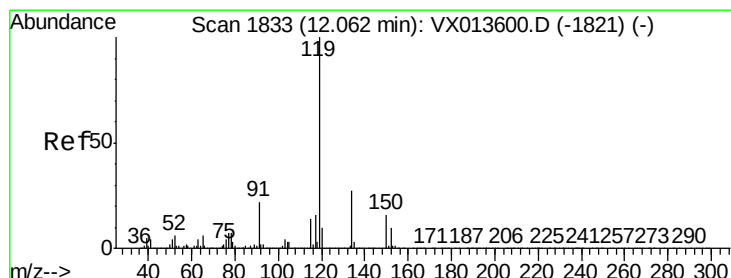
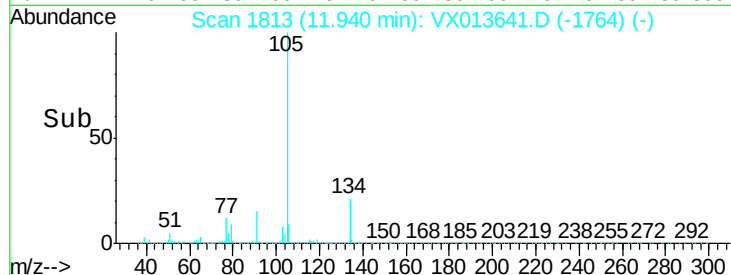
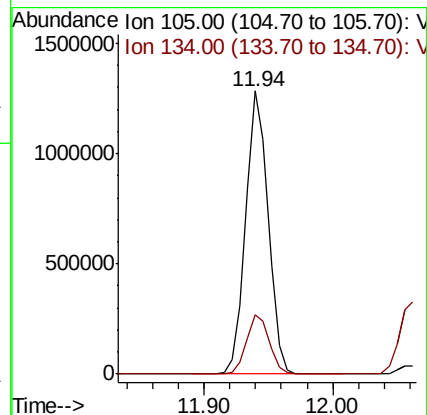
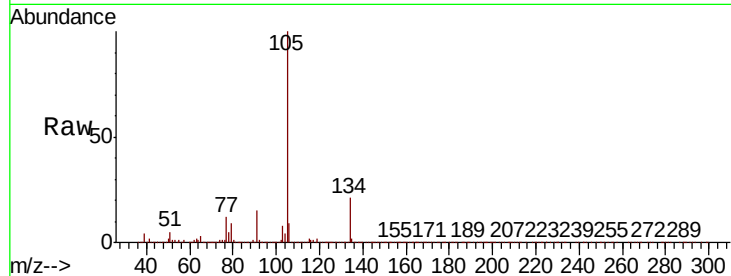
134 21.0 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 51.093 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

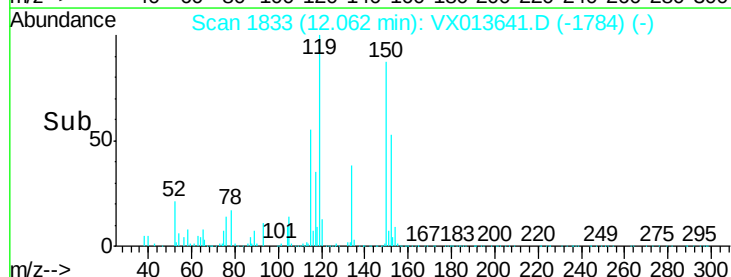
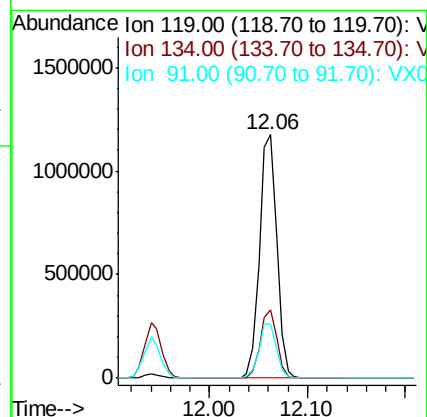
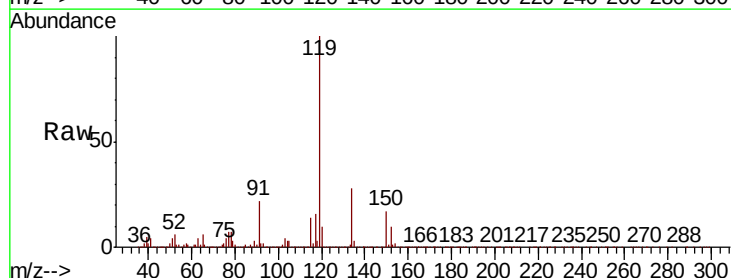
Tgt Ion:119 Resp: 1440889

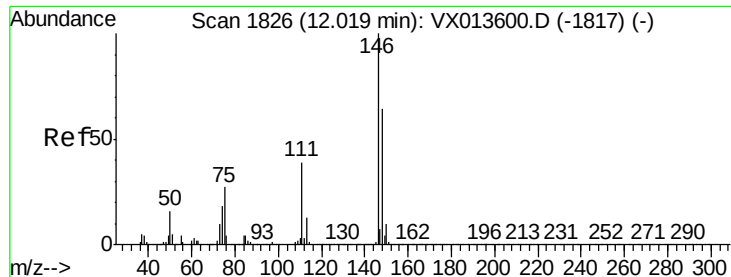
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

91 22.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 49.823 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013641.D

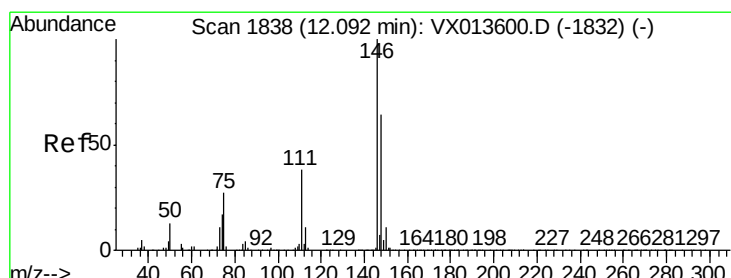
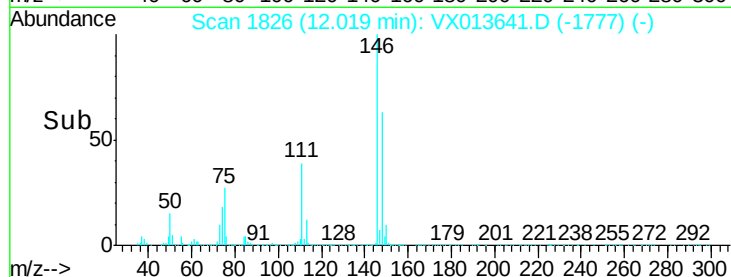
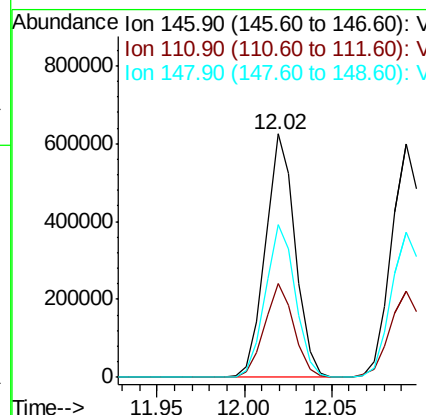
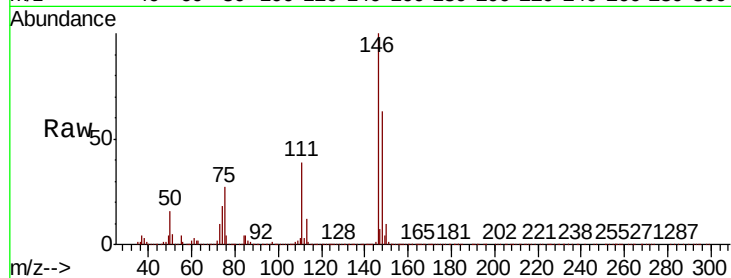
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.2	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 48.348 ug/l

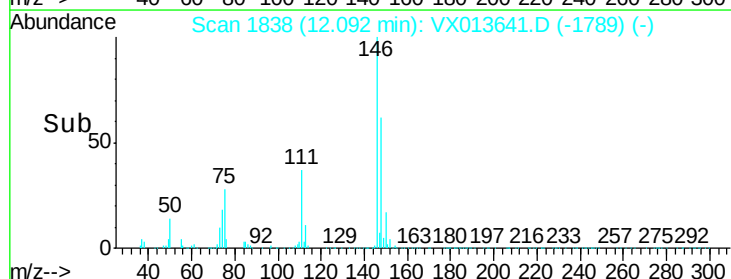
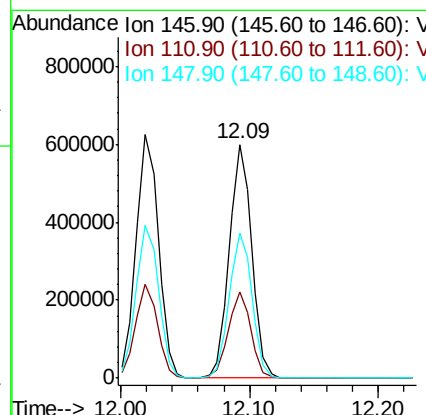
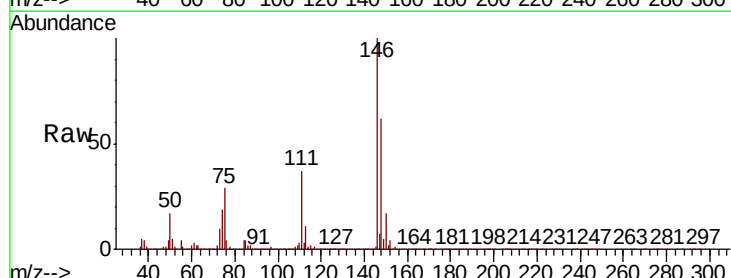
RT: 12.09 min Scan# 1838

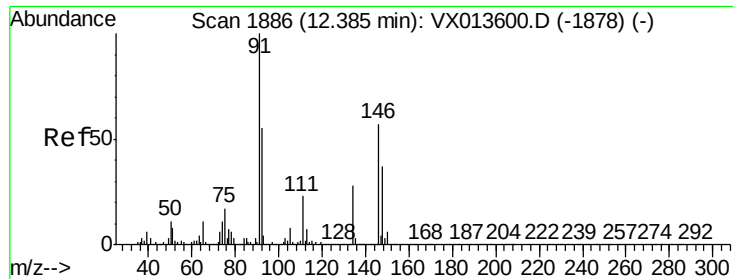
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	63.2	31.9	95.5





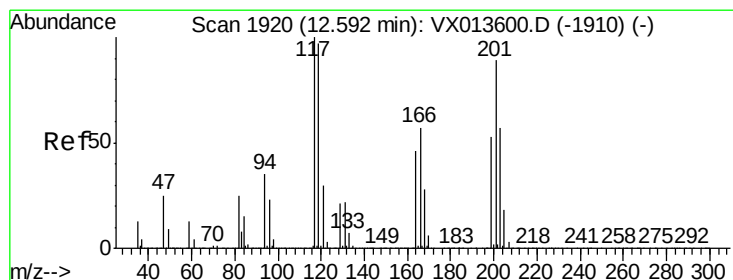
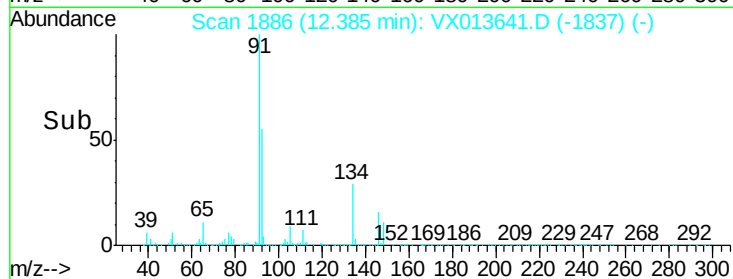
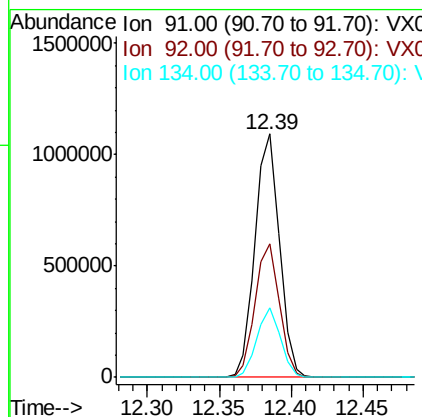
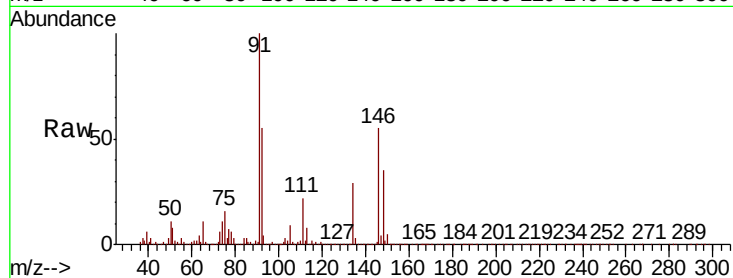
#89
n-Butylbenzene
Concen: 53.030 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.2
134	27.4	13.5	40.4

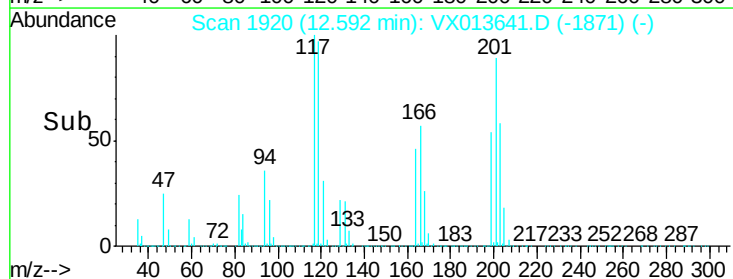
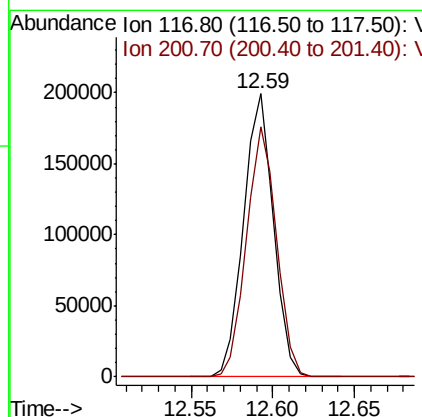
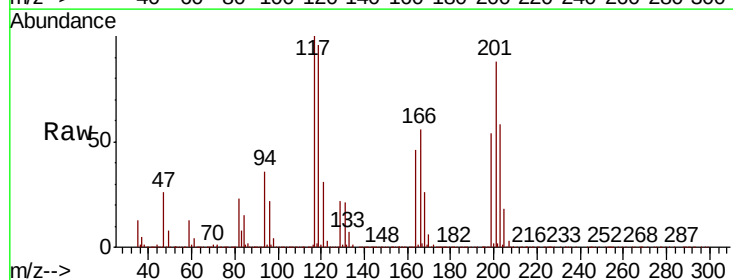
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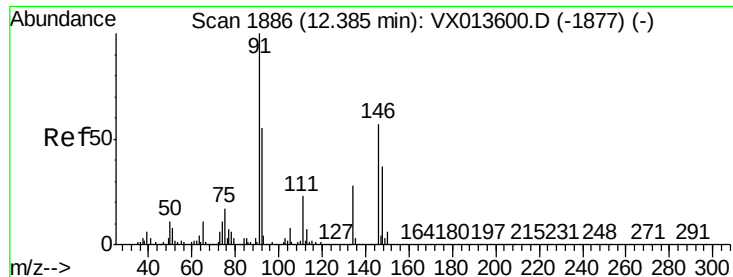
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#90
Hexachloroethane
Concen: 49.778 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 49.584 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Instrument :

MSVOA_X

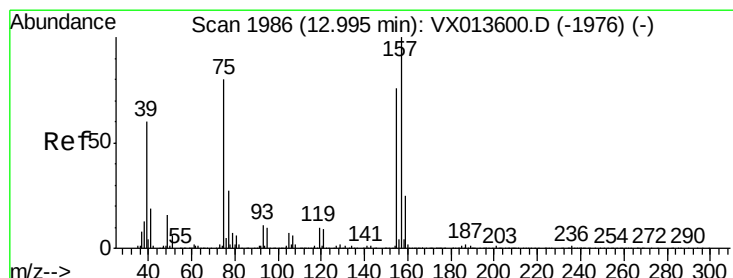
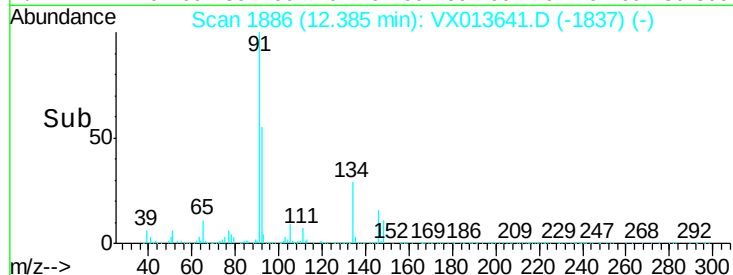
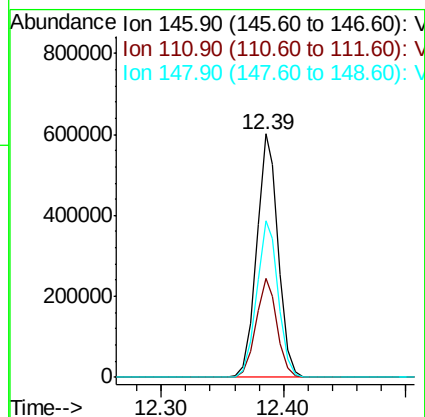
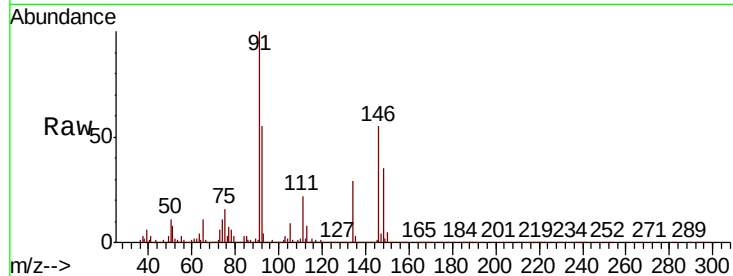
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	735103
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.6	58.7
148	64.5	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.558 ug/l

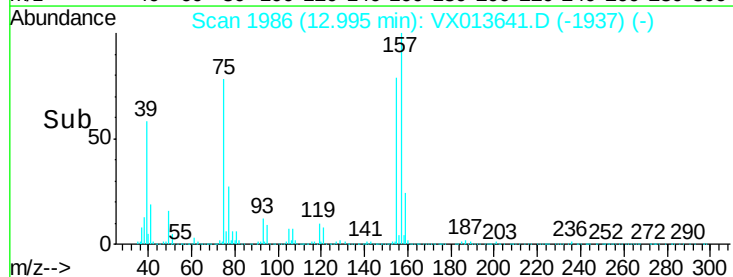
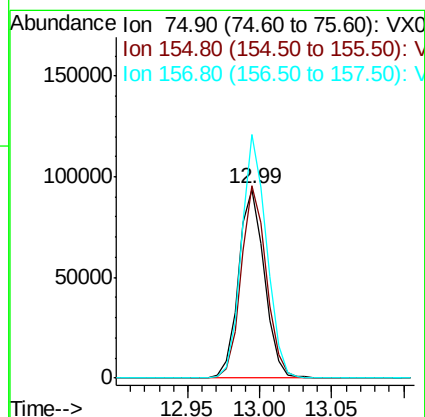
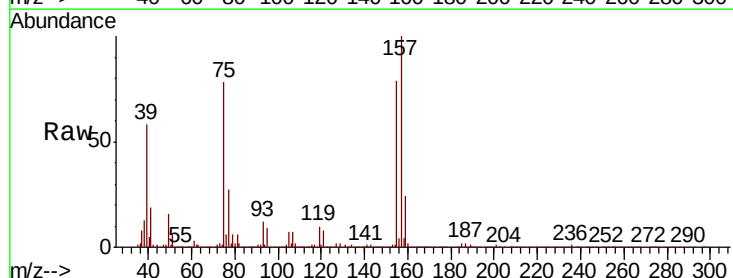
RT: 12.99 min Scan# 1986

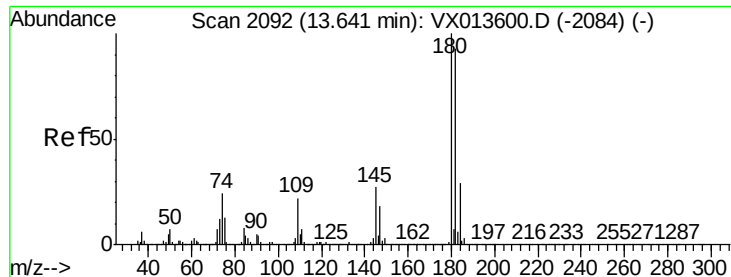
Delta R.T. 0.00 min

Lab File: VX013641.D

Acq: 27 Nov 2019 10:22

Tgt Ion:	75	Resp:	116844
Ion Ratio	Lower	Upper	
75	100		
155	99.4	47.6	142.8
157	124.3	62.1	186.2





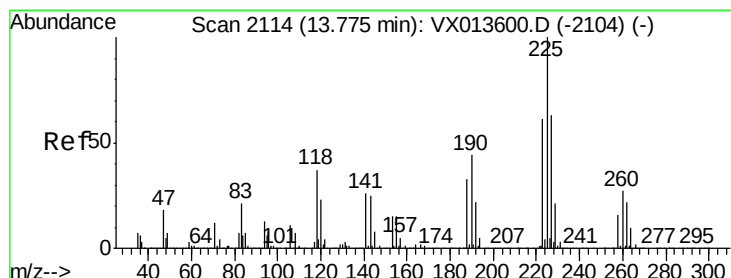
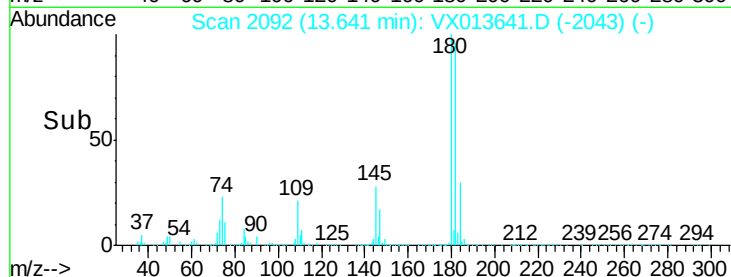
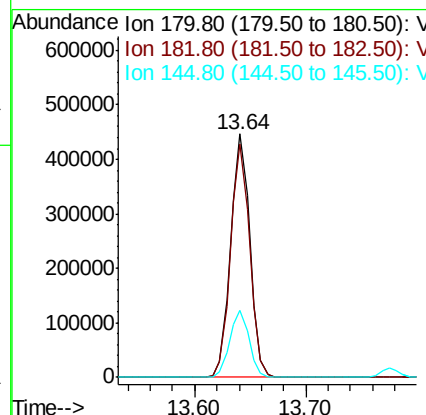
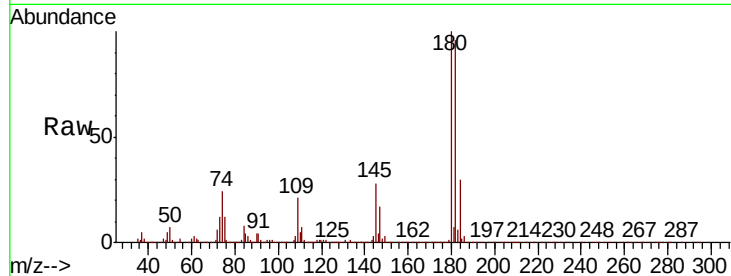
#93
 1,2,4-Trichlorobenzene
 Concen: 51.534 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.2	141.6	
145	27.9	13.8	41.4	

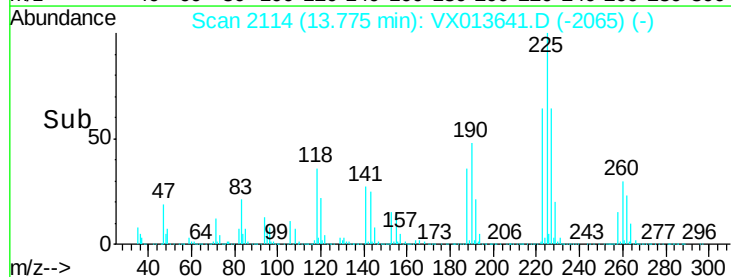
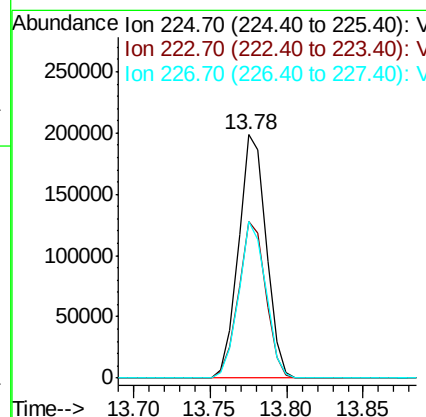
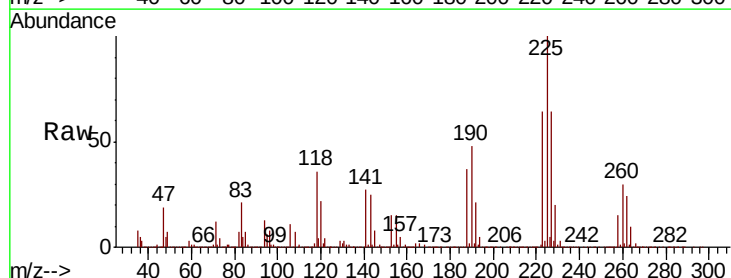
Manual Integrations
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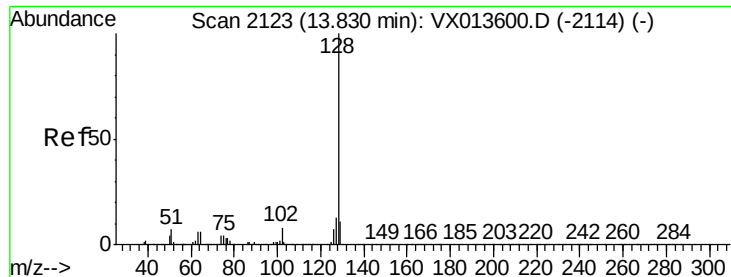
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 12/2/2019 12:48:04 PM



#94
 Hexachlorobutadiene
 Concen: 50.085 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013641.D
 Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.9	95.5	
227	63.1	32.1	96.3	





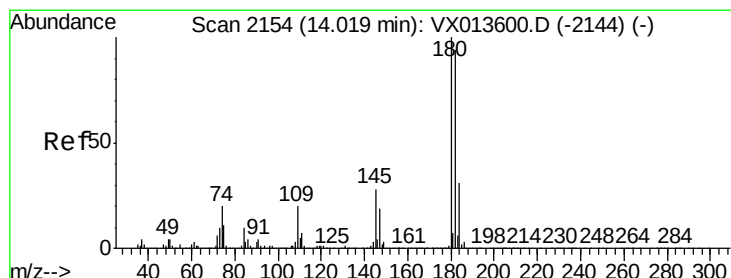
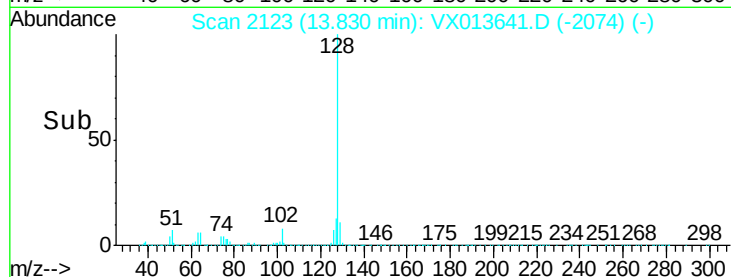
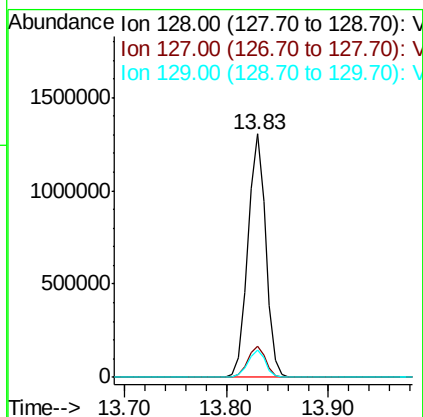
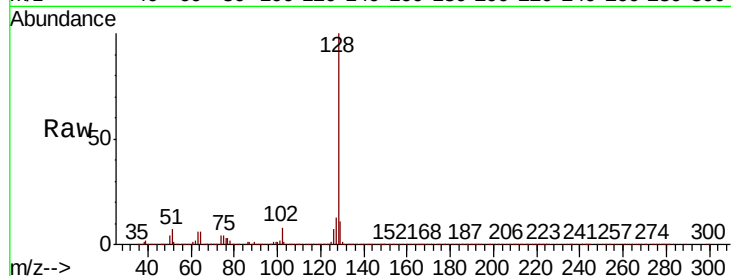
#95
Naphthalene
Concen: 51.662 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/2/2019 12:48:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.970 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013641.D
Acq: 27 Nov 2019 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	30.3	15.0	45.0

