

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110119\
 Data File : VX013300.D
 Acq On : 01 Nov 2019 09:53
 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
 11/4/2019 1:30:06 PM

Quant Time: Nov 04 00:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	747891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1098806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	995133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	524005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	416685	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	5.48	113	333913	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	8.71	98	1280066	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	461328	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	463275	53.762	ug/l	98
3) Chloromethane	1.31	50	484978	51.898	ug/l	99
4) Vinyl Chloride	1.40	62	570587	53.633	ug/l	99
5) Bromomethane	1.62	94	366456	49.429	ug/l	99
6) Chloroethane	1.71	64	303645	49.928	ug/l	99
7) Trichlorofluoromethane	1.92	101	625408	49.758	ug/l	99
8) Diethyl Ether	2.17	74	273884	49.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	366906	52.374	ug/l	99
10) Methyl Iodide	2.50	142	442621	51.032	ug/l	100
11) Tert butyl alcohol	3.03	59	481074	206.000	ug/l	99
12) 1,1-Dichloroethene	2.36	96	352950	51.448	ug/l	99
13) Acrolein	2.28	56	291782	230.535	ug/l	98
14) Allyl chloride	2.72	41	639557	51.309	ug/l	99
15) Acrylonitrile	3.12	53	1051667	241.083	ug/l	100
16) Acetone	2.43	43	1170890	264.943	ug/l	97
17) Carbon Disulfide	2.56	76	969038	52.774	ug/l	99
18) Methyl Acetate	2.76	43	581957	47.698	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1181515	51.637	ug/l	98
20) Methylene Chloride	2.84	84	389169	47.661	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	378044	50.611	ug/l	96
22) Diisopropyl ether	3.84	45	1257362	52.249	ug/l	96
23) Vinyl Acetate	3.79	43	5319804	258.341	ug/l	99
24) 1,1-Dichloroethane	3.69	63	677154	50.301	ug/l	99
25) 2-Butanone	4.65	43	1621271	250.068	ug/l	98
26) 2,2-Dichloropropane	4.57	77	579938	54.152	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	426172	50.932	ug/l	98
28) Bromochloromethane	5.00	49	197382	51.639	ug/l	97
29) Tetrahydrofuran	5.11	42	968466	242.402	ug/l	99
30) Chloroform	5.19	83	677015	50.930	ug/l	95
31) Cyclohexane	5.56	56	626747	51.739	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	592402	51.784	ug/l	99
36) 1,1-Dichloropropene	5.78	75	525107	55.706	ug/l	99
37) Ethyl Acetate	4.81	43	576698	49.511	ug/l	99
38) Carbon Tetrachloride	5.77	117	516529	56.036	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	654635	55.735	ug/l	99
40) Benzene	6.13	78	1532905	52.205	ug/l	100
41) Methacrylonitrile	5.02	41	327862	50.219	ug/l	99
42) 1,2-Dichloroethane	6.18	62	557912	52.676	ug/l	100
43) Isopropyl Acetate	6.43	43	959777	52.916	ug/l	100
44) Trichloroethene	7.20	130	424581	52.530	ug/l	99
45) 1,2-Dichloropropane	7.50	63	395936	52.922	ug/l	99
46) Dibromomethane	7.65	93	265711	52.016	ug/l	99
47) Bromodichloromethane	7.89	83	536141	55.659	ug/l	92
48) Methyl methacrylate	7.76	41	482288	53.268	ug/l	98
49) 1,4-Dioxane	7.73	88	195879	944.696	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	3008244	252.794	ug/l	99
52) Toluene	8.78	92	987734	54.274	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	609500	57.865	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	653979	55.504	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	398406	52.816	ug/l	98
56) Ethyl methacrylate	9.17	69	638695	49.609	ug/l	100
57) 1,3-Dichloropropane	9.36	76	673610	52.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1444658	280.096	ug/l	100
59) 2-Hexanone	9.48	43	2451283	266.559	ug/l	99
60) Dibromochloromethane	9.57	129	435572	56.460	ug/l	99
61) 1,2-Dibromoethane	9.67	107	426339	53.226	ug/l	99
64) Tetrachloroethene	9.33	164	381979	53.620	ug/l	99
65) Chlorobenzene	10.14	112	1063455	52.785	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	399548	54.012	ug/l	99
67) Ethyl Benzene	10.25	91	1907663	54.863	ug/l	100
68) m/p-Xylenes	10.35	106	1460078	111.030	ug/l	99
69) o-Xylene	10.70	106	700271	54.392	ug/l	99
70) Styrene	10.71	104	1205370	56.008	ug/l	99
71) Bromoform	10.85	173	339190	49.488	ug/l #	99
73) Isopropylbenzene	11.01	105	1881129	54.145	ug/l	100
74) N-amyl acetate	10.89	43	880473	54.651	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	633990	50.021	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	514774m	48.366	ug/l	
77) Bromobenzene	11.25	156	493148	53.245	ug/l	98
78) n-propylbenzene	11.35	91	2180881	56.352	ug/l	99
79) 2-Chlorotoluene	11.42	91	1263741	54.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1603887	55.424	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	222194	53.736	ug/l	97
82) 4-Chlorotoluene	11.51	91	1486947	54.477	ug/l	100
83) tert-Butylbenzene	11.76	119	1609470	55.250	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1608085	55.395	ug/l	99
85) sec-Butylbenzene	11.94	105	1881102	56.186	ug/l	100
86) p-Isopropyltoluene	12.06	119	1762967	57.185	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	887240	53.741	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	893311	53.108	ug/l	99
89) n-Butylbenzene	12.38	91	1567902	58.285	ug/l	100
90) Hexachloroethane	12.59	117	310343	56.500	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	873290	52.918	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	146738	47.520	ug/l	99

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VSTDCCC050

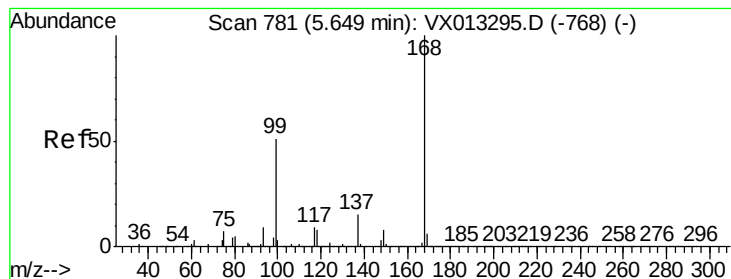
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	645686	56.091	ug/l	99
94) Hexachlorobutadiene	13.77	225	317673	56.407	ug/l	100
95) Naphthalene	13.83	128	2024674	56.059	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	638756	55.330	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 747891

Ion Ratio Lower Upper

168 100

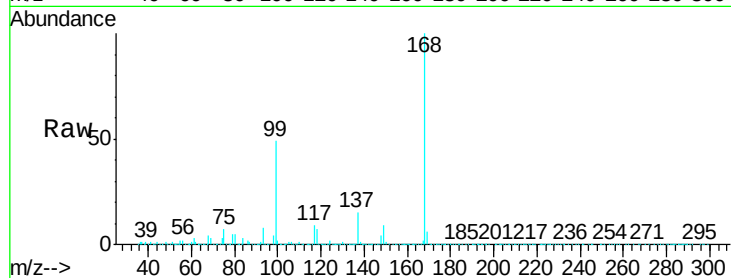
99 49.1 40.8 61.2

Manual Integrations

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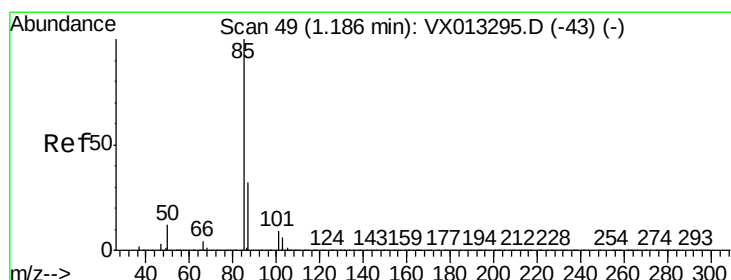
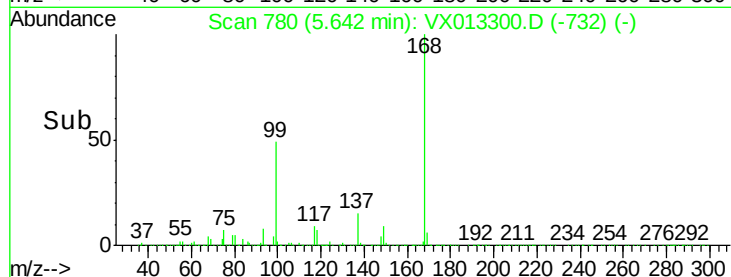
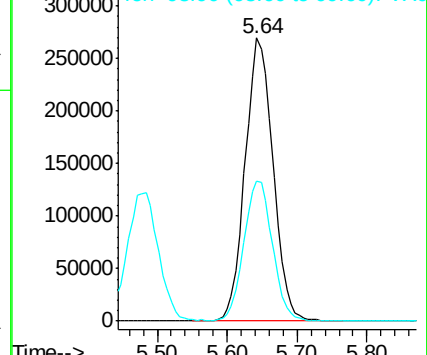
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 53.762 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013300.D

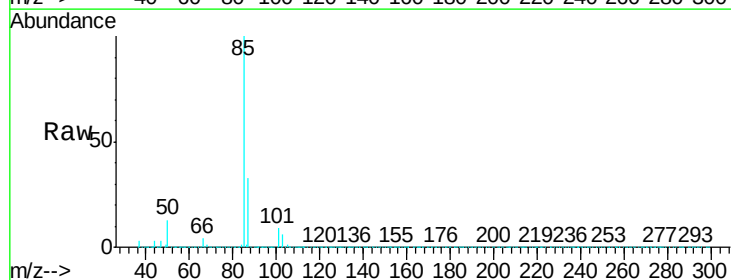
Acq: 01 Nov 2019 09:53

Tgt Ion: 85 Resp: 463275

Ion Ratio Lower Upper

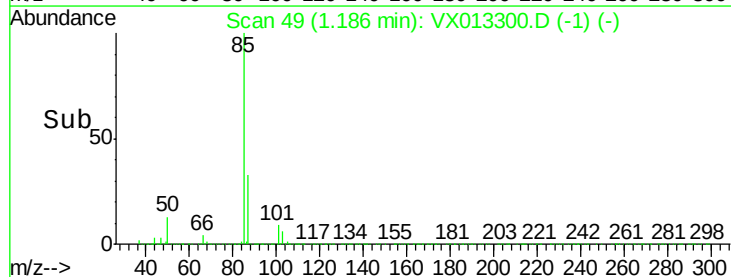
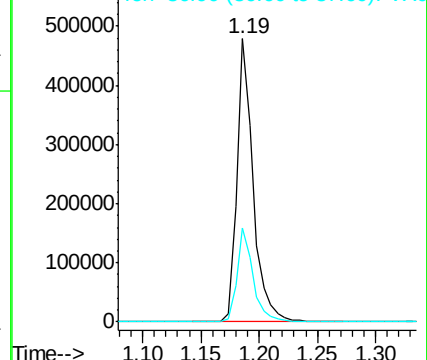
85 100

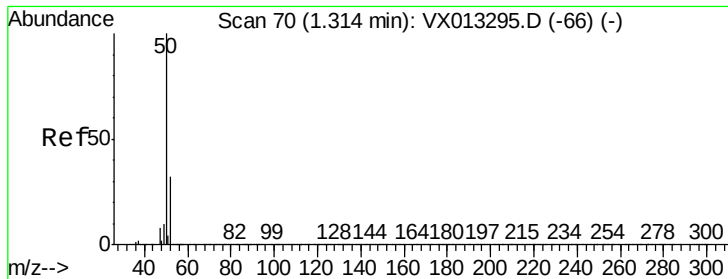
87 33.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 51.898 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 484978

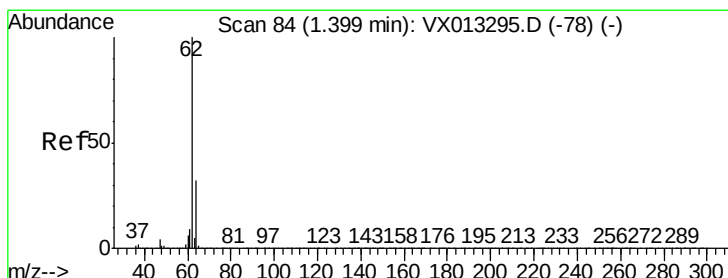
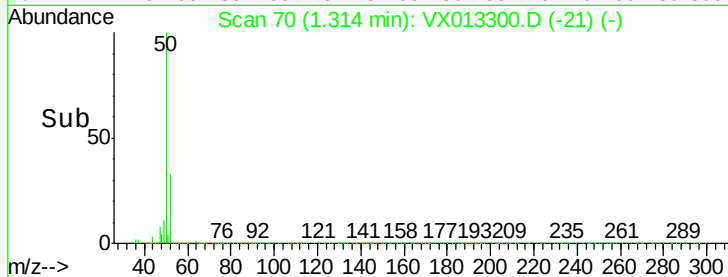
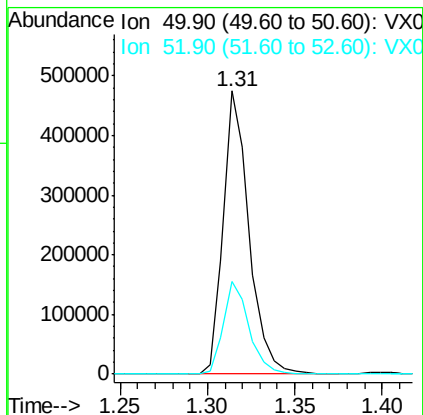
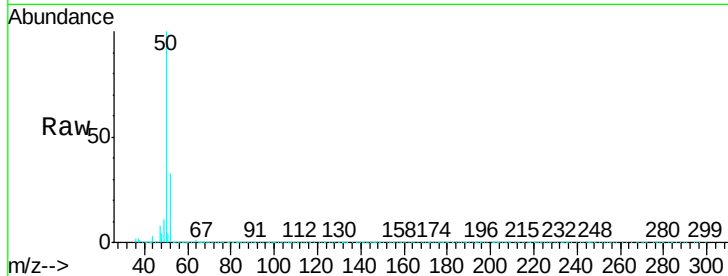
Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3

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#4

Vinyl Chloride

Concen: 53.633 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013300.D

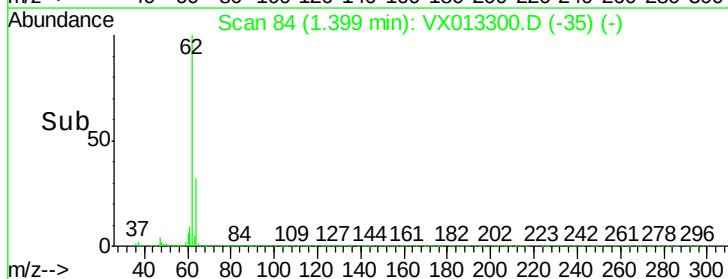
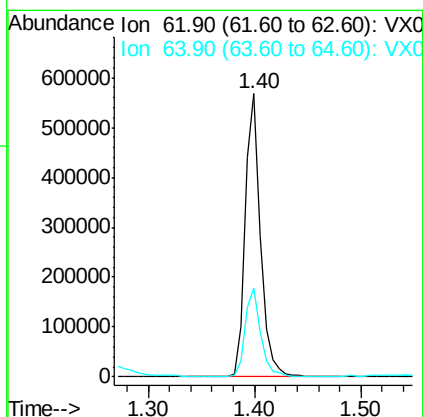
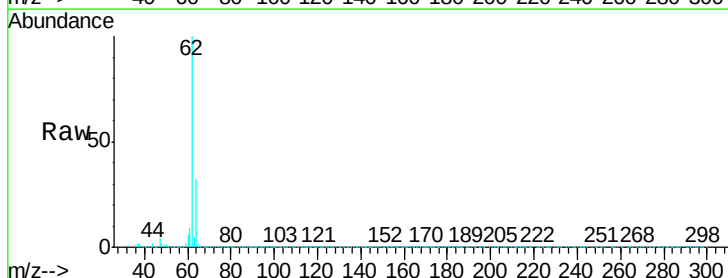
Acq: 01 Nov 2019 09:53

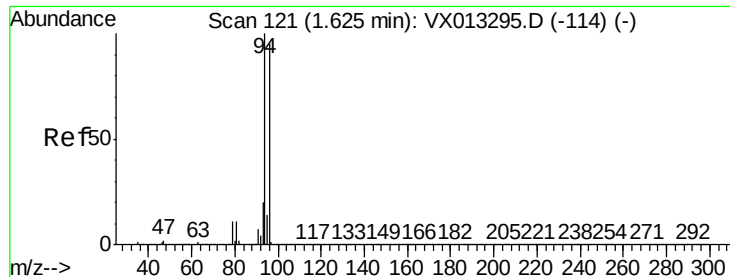
Tgt Ion: 62 Resp: 570587

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 49.429 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 366456

Ion Ratio Lower Upper

94 100

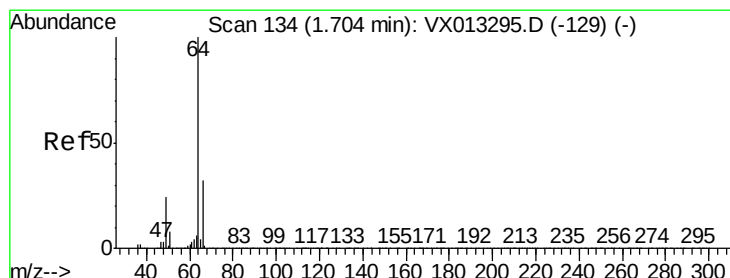
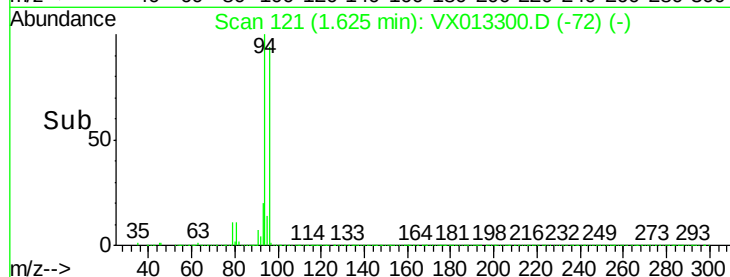
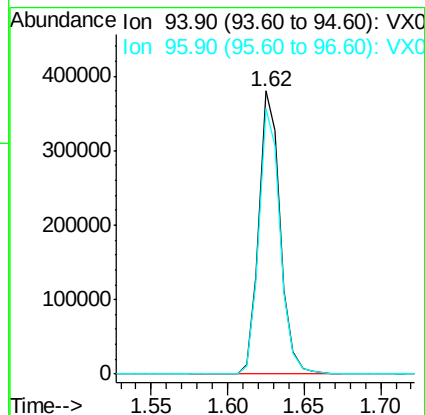
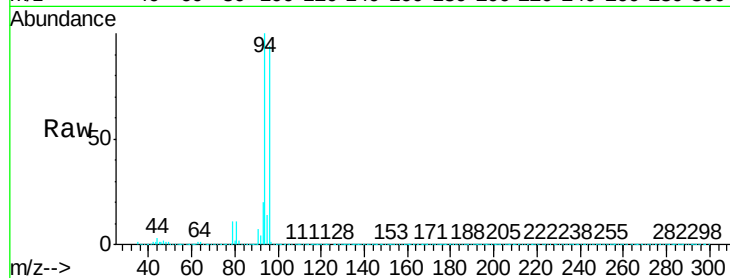
96 93.7 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 49.928 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013300.D

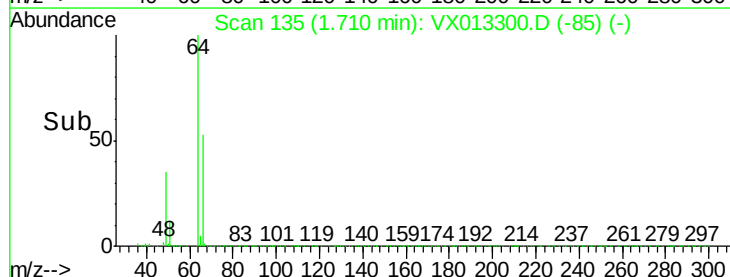
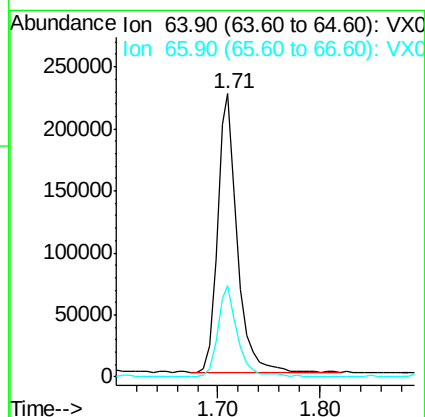
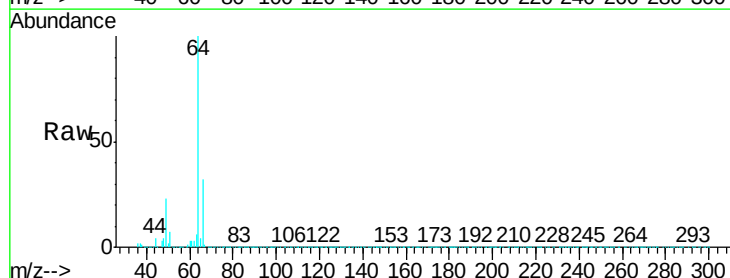
Acq: 01 Nov 2019 09:53

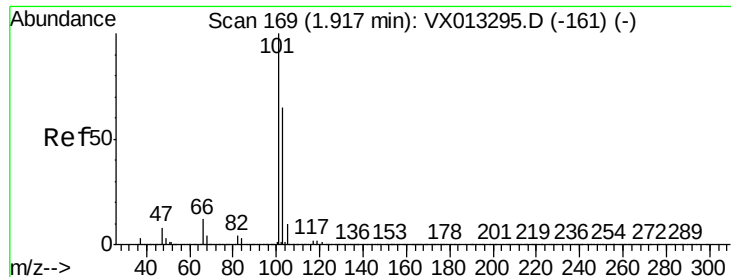
Tgt Ion: 64 Resp: 303645

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

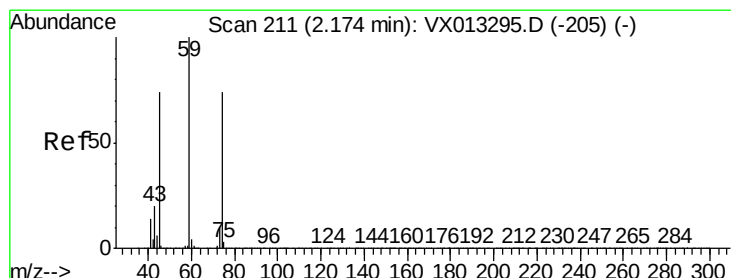
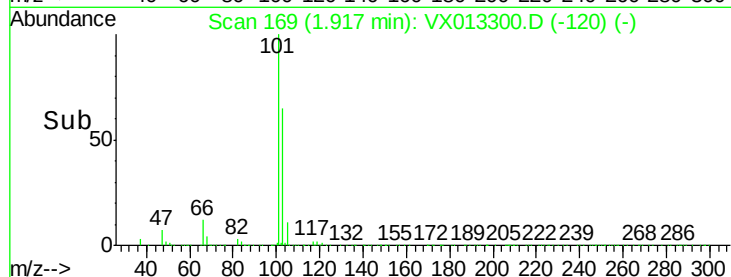
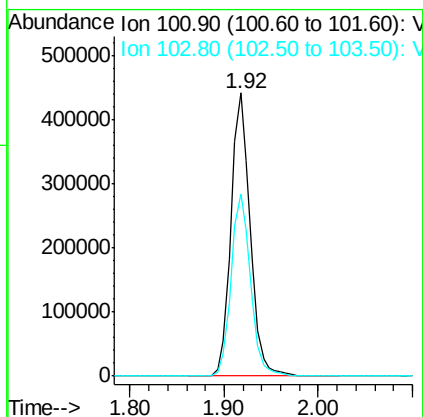
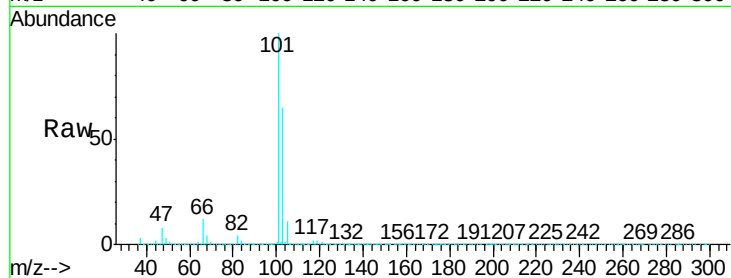
Trichlorofluoromethane
Concen: 49.758 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013300.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	625408		
103	64.6	52.3	78.5	

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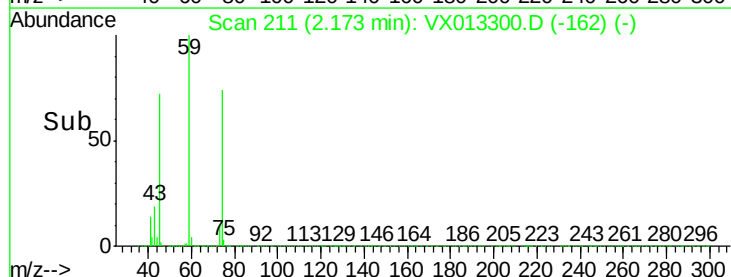
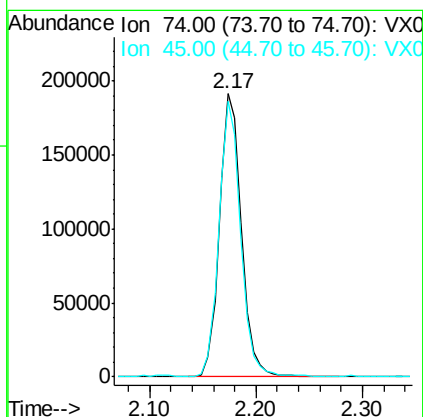
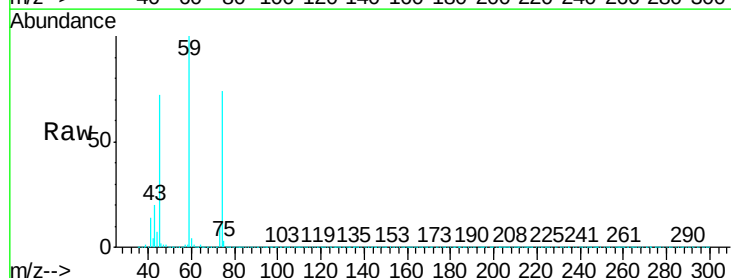
MMDadoda
11/4/2019 1:30:06 PM

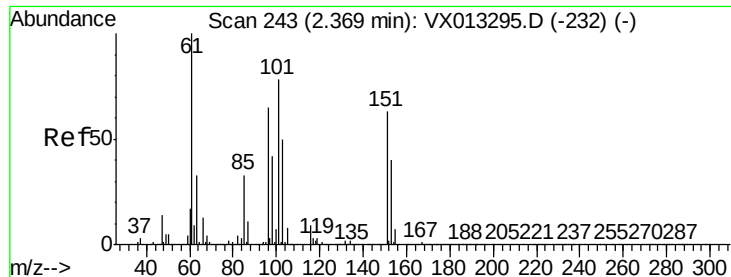


#8

Diethyl Ether
Concen: 49.276 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	273884		
45	96.3	48.5	145.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.374 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

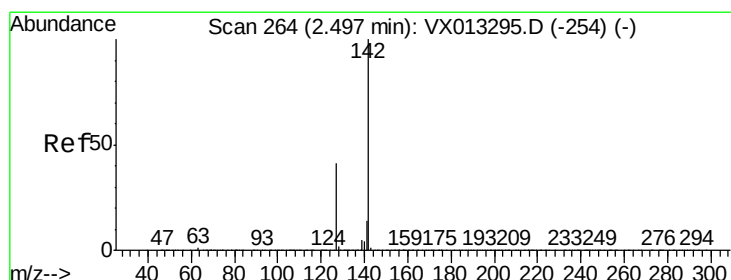
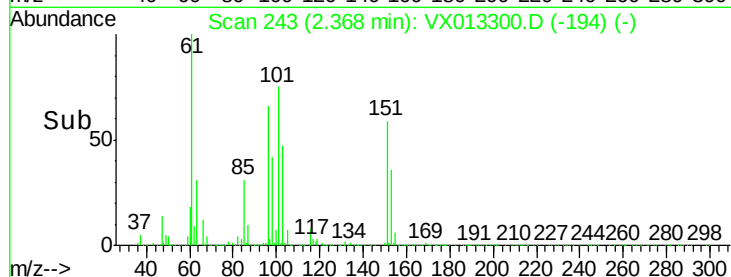
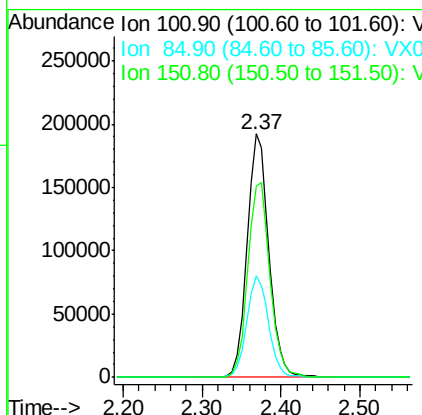
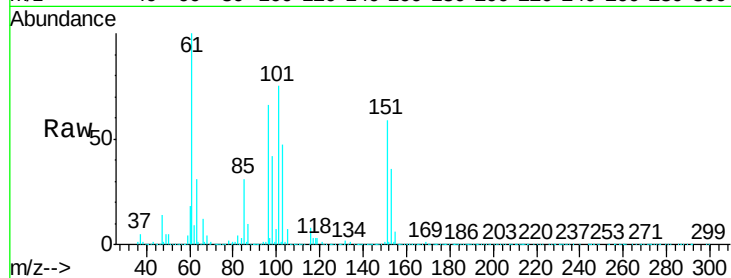
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	366906
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.4	51.6
151	82.1	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 51.032 ug/l

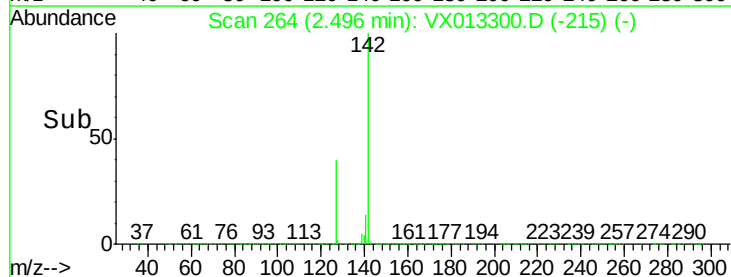
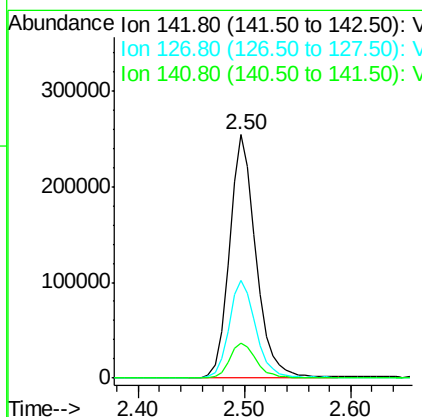
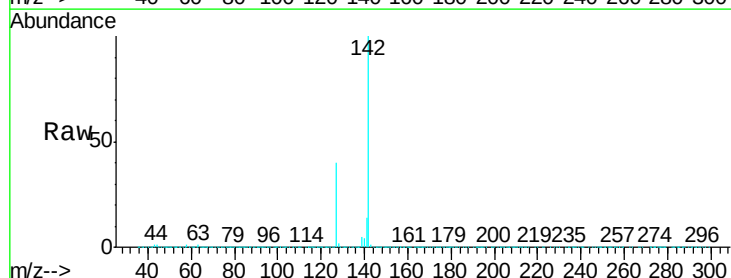
RT: 2.50 min Scan# 264

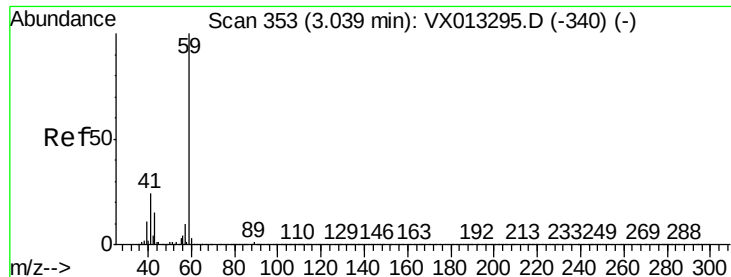
Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion:	142	Resp:	442621
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	49.0
141	14.4	11.6	17.4





#11

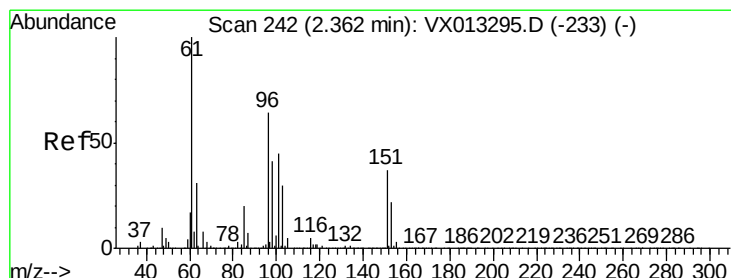
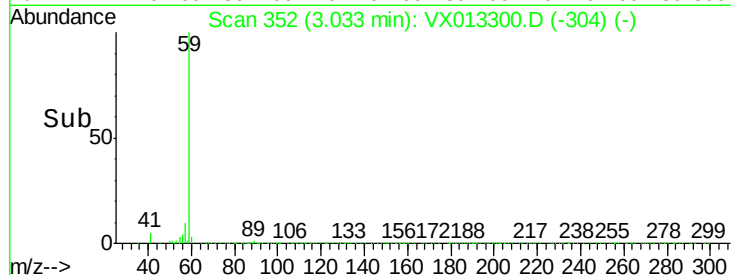
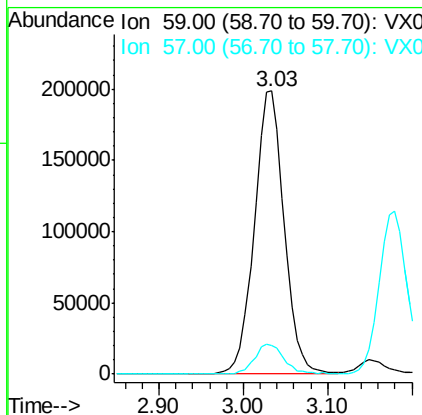
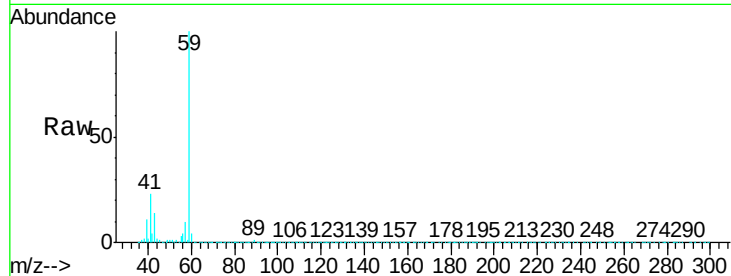
Tert butyl alcohol
Concen: 206.000 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.0	12.0

Manual Integrations
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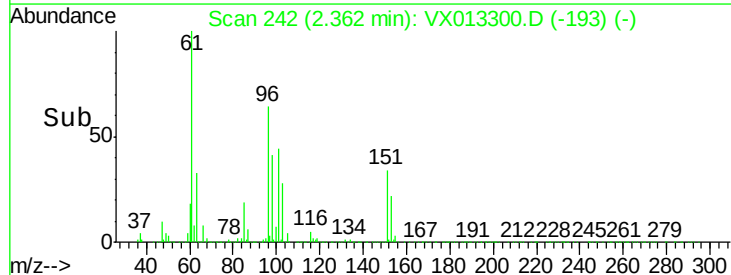
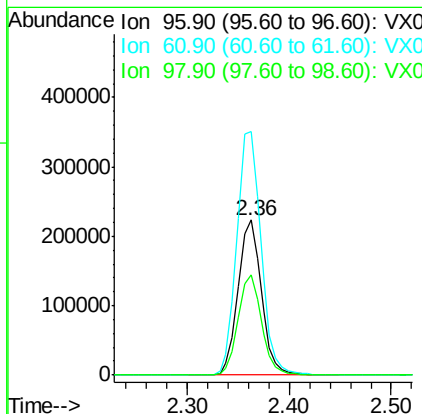
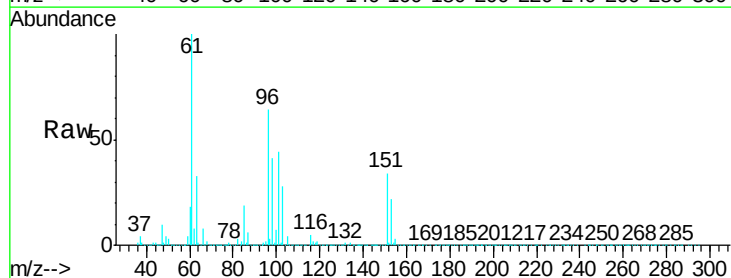
MMDadoda
11/4/2019 1:30:06 PM

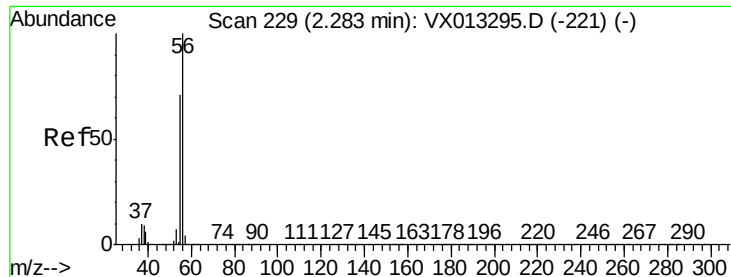


#12

1,1-Dichloroethene
Concen: 51.448 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	125.0	187.6
98	64.8	50.7	76.1





#13

Acrolein

Concen: 230.535 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 291782

Ion Ratio Lower Upper

56 100

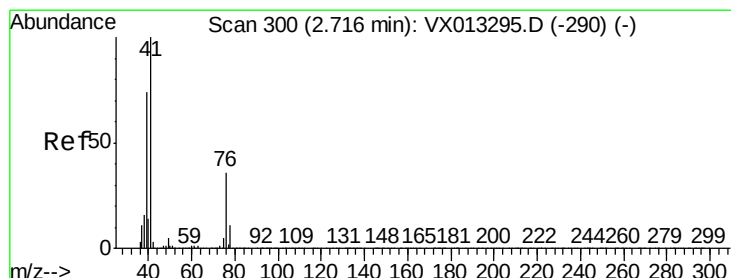
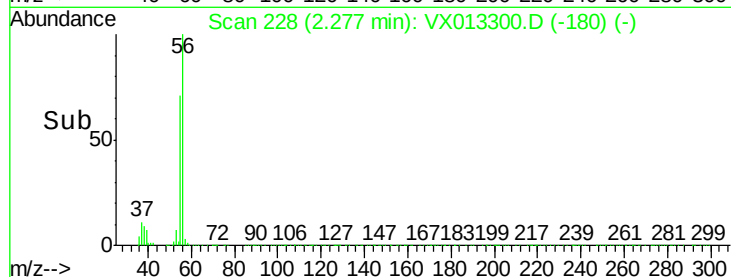
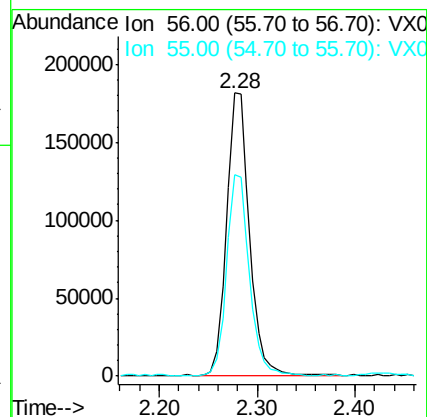
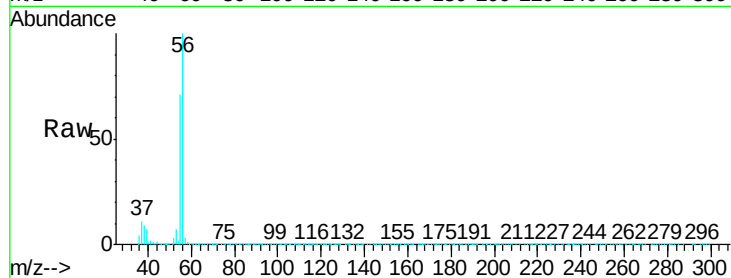
55 70.4 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 51.309 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

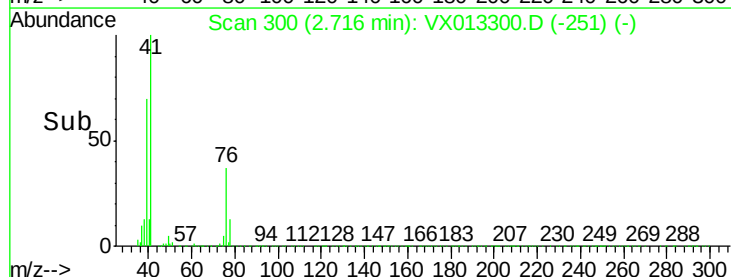
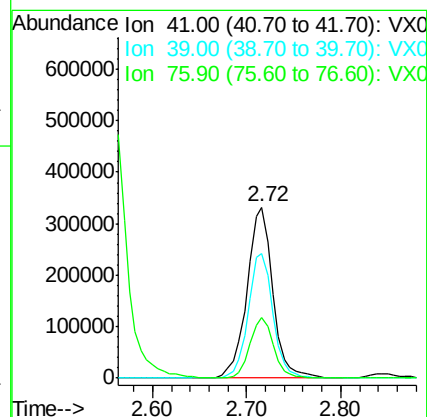
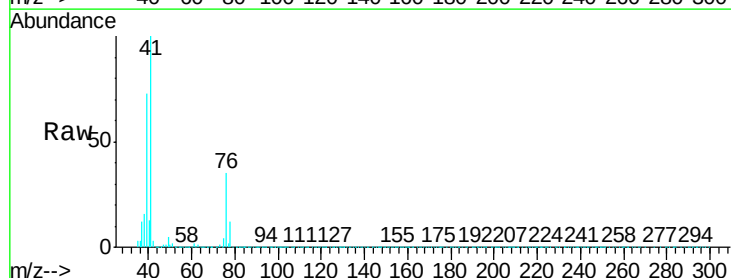
Tgt Ion: 41 Resp: 639557

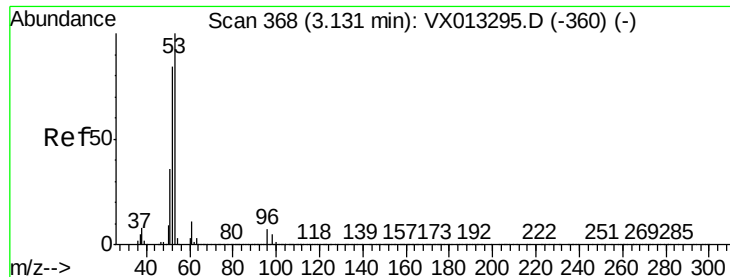
Ion Ratio Lower Upper

41 100

39 69.6 55.8 83.8

76 32.2 26.4 39.6





#15

Acrylonitrile

Concen: 241.083 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 1051667

Ion Ratio Lower Upper

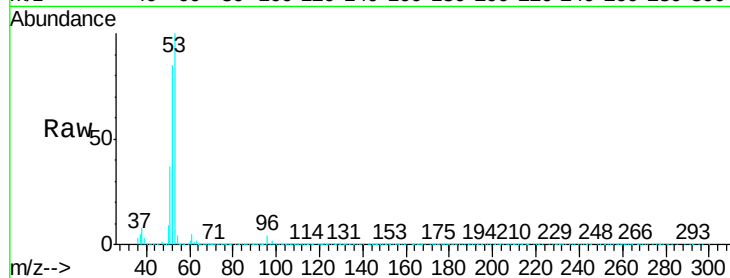
53 100

52 83.9 67.4 101.0

51 36.5 29.4 44.2

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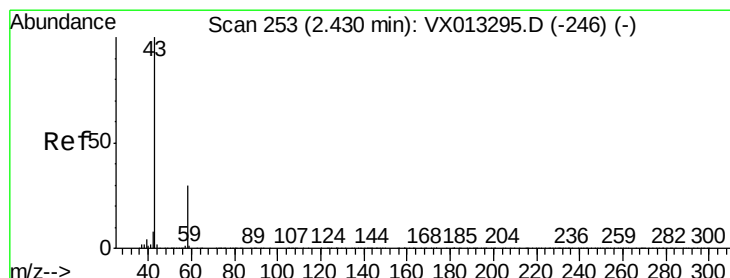
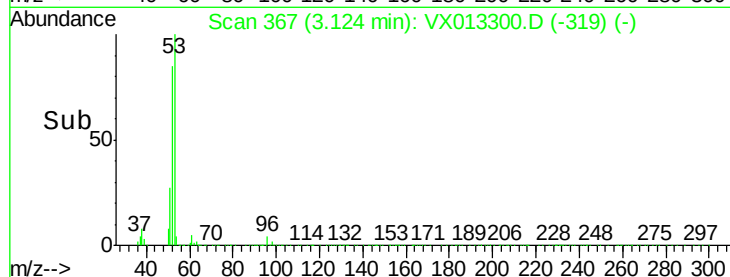
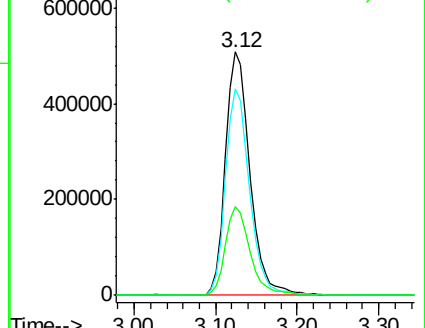
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Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 264.943 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013300.D

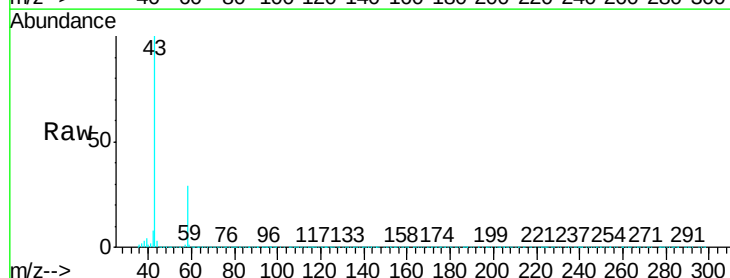
Acq: 01 Nov 2019 09:53

Tgt Ion: 43 Resp: 1170890

Ion Ratio Lower Upper

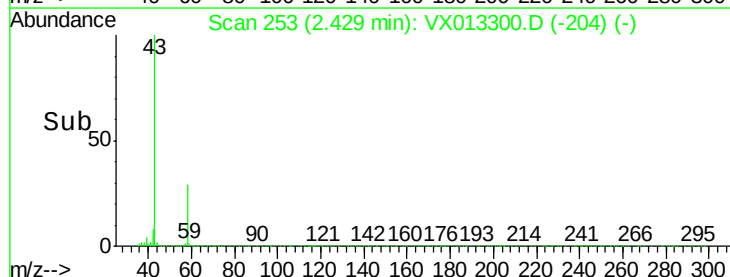
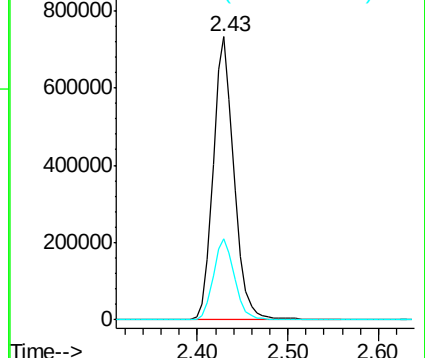
43 100

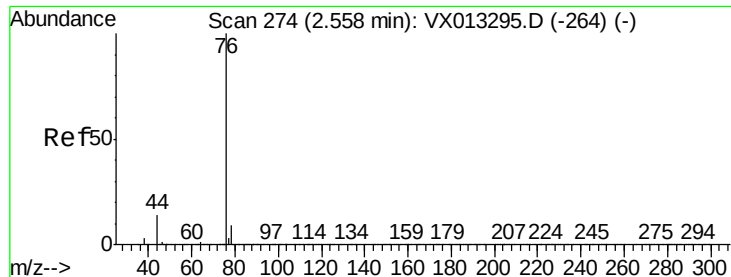
58 28.8 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 52.774 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 969038

Ion Ratio Lower Upper

76 100

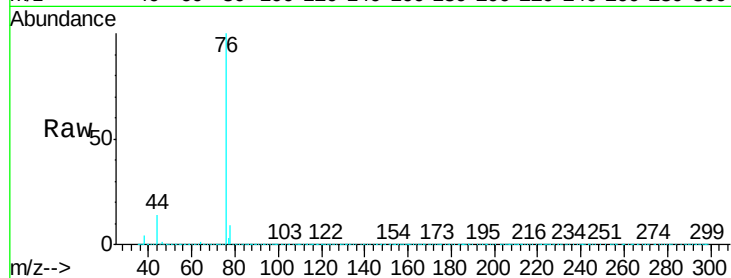
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

600000

500000

400000

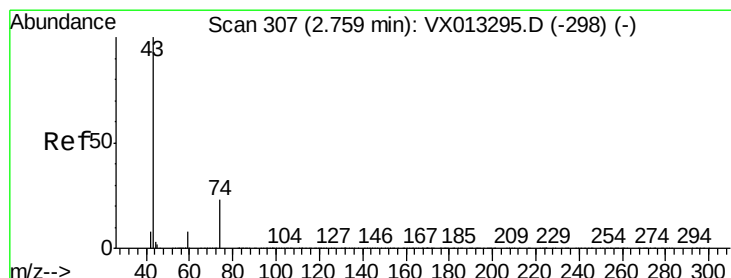
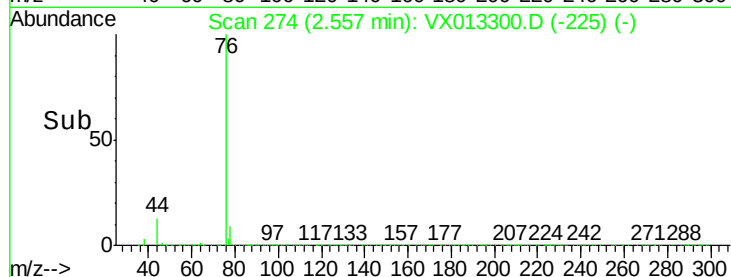
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 47.698 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013300.D

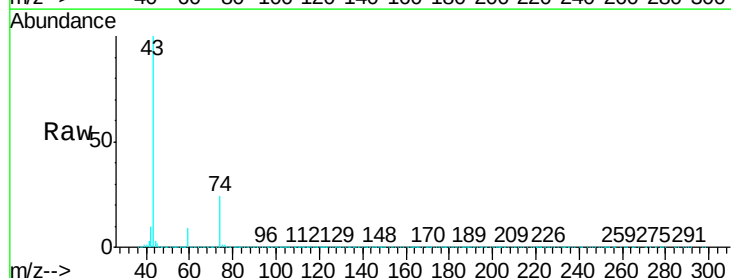
Acq: 01 Nov 2019 09:53

Tgt Ion: 43 Resp: 581957

Ion Ratio Lower Upper

43 100

74 23.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

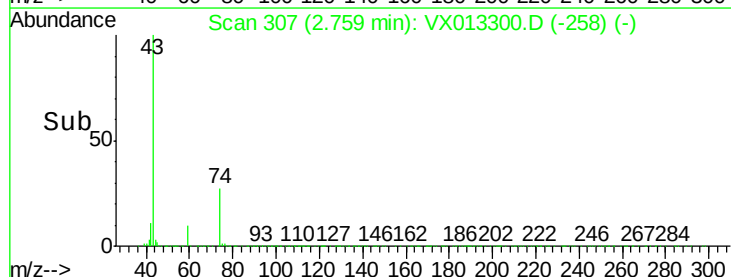
300000

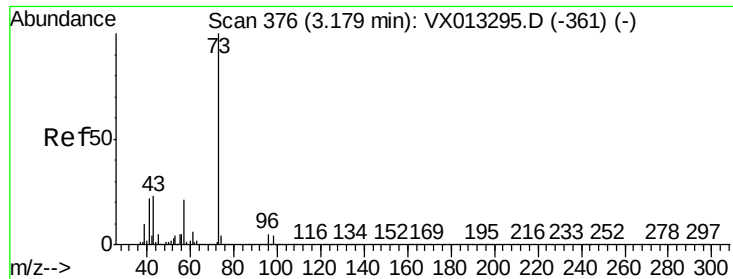
200000

100000

0

Time-->





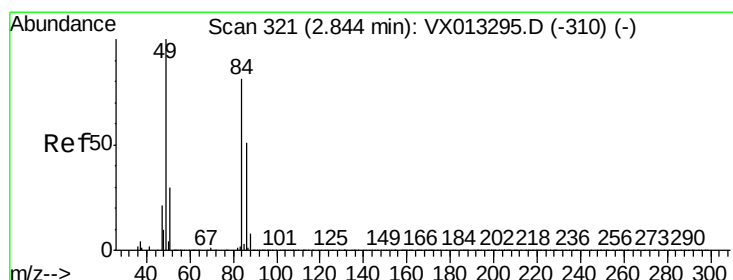
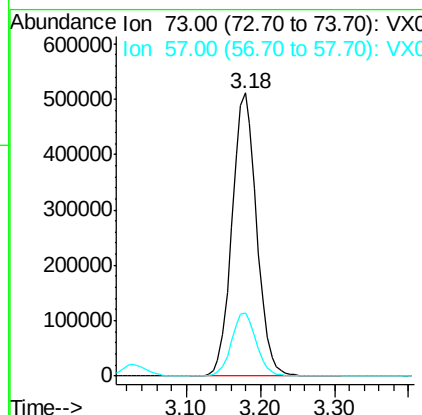
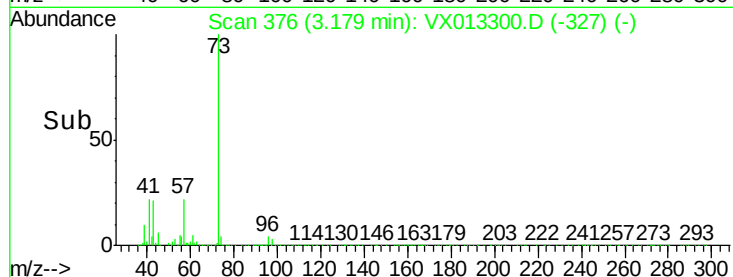
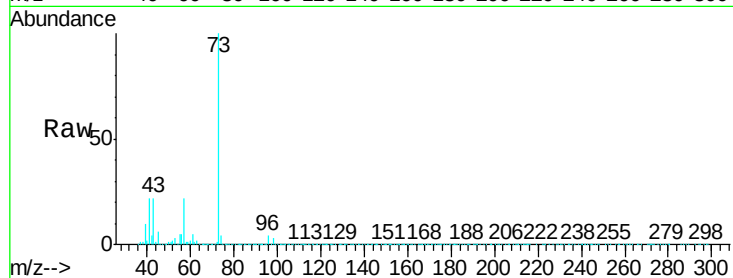
#19
Methyl tert-butyl Ether
Concen: 51.637 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1181515
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7

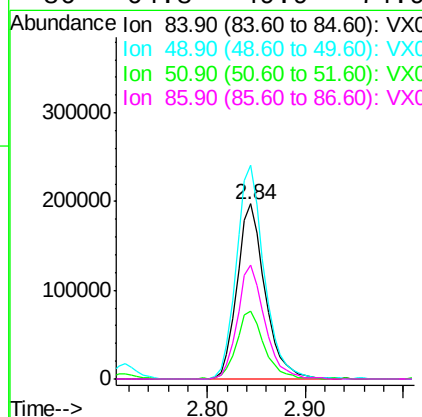
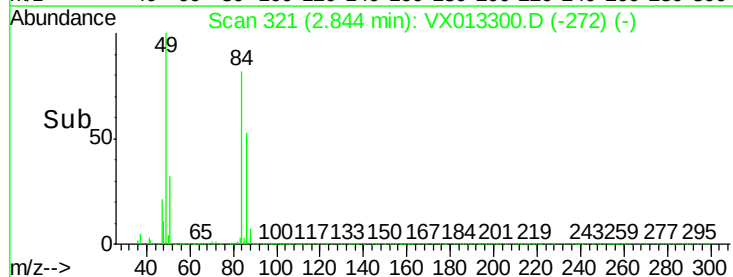
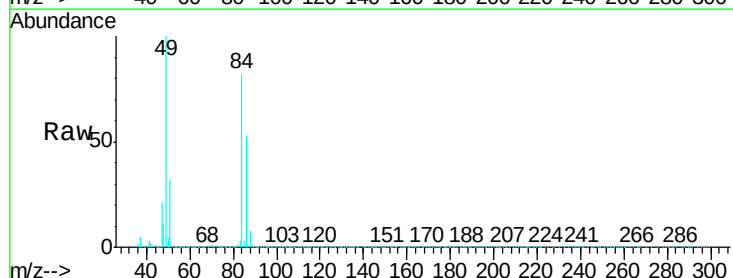
Manual Integrations
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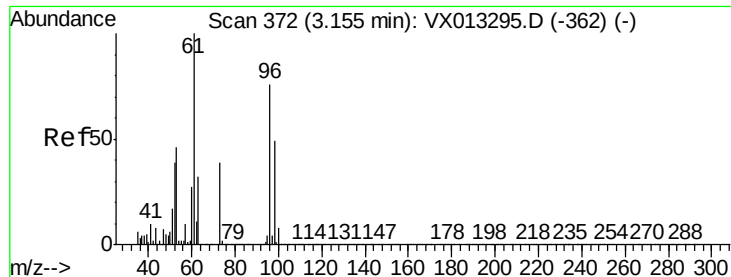
MMDadoda
11/4/2019 1:30:06 PM



#20
Methylene Chloride
Concen: 47.661 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 84 Resp: 389169
Ion Ratio Lower Upper
84 100
49 122.1 98.2 147.4
51 38.8 29.9 44.9
86 64.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.611 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

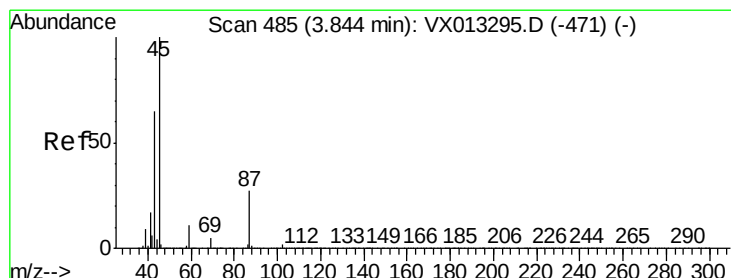
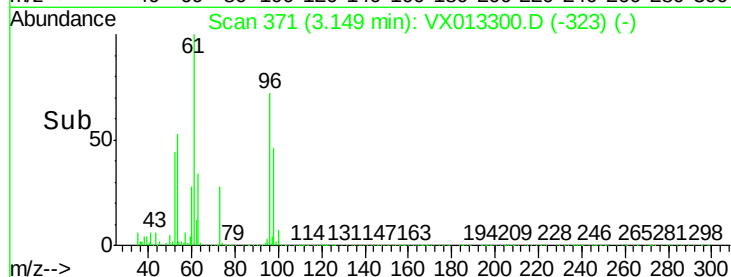
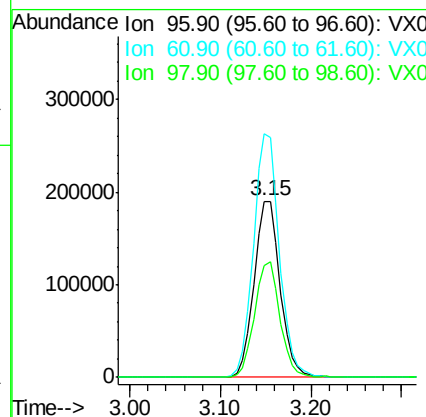
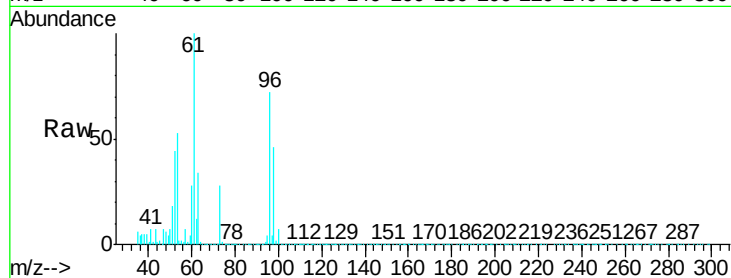
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	378044
Ion	Ratio	Lower	Upper
96	100		
61	138.0	105.8	158.6
98	63.2	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.249 ug/l

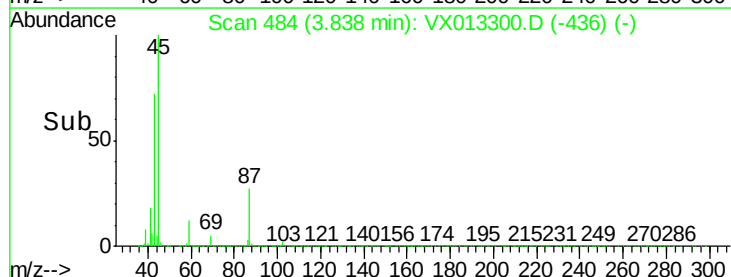
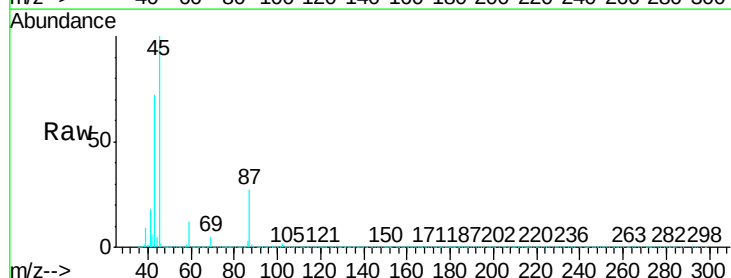
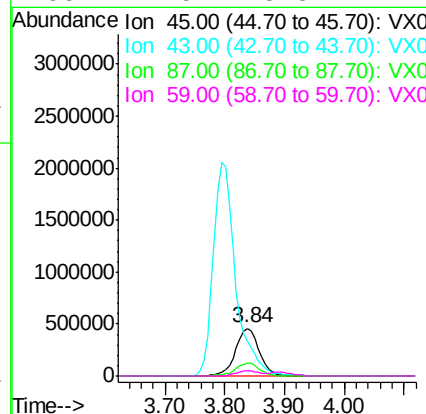
RT: 3.84 min Scan# 484

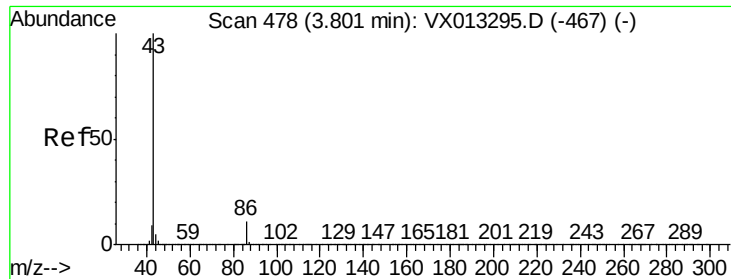
Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion:	45	Resp:	1257362
Ion	Ratio	Lower	Upper
45	100		
43	71.9	54.2	81.2
87	27.4	21.8	32.8
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 258.341 ug/l

RT: 3.79 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5319804

Ion Ratio Lower Upper

43 100

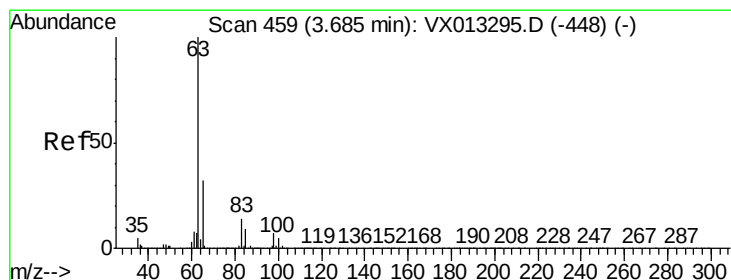
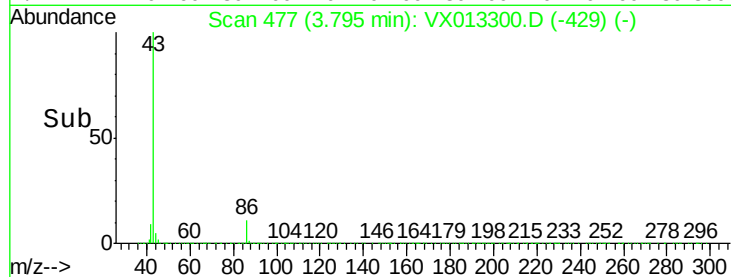
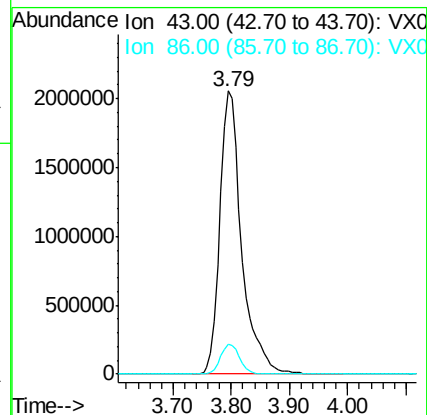
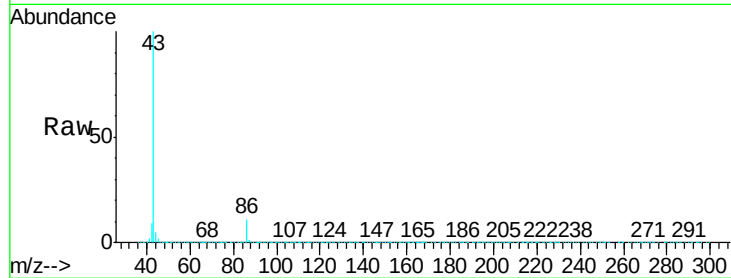
86 10.5 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.301 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

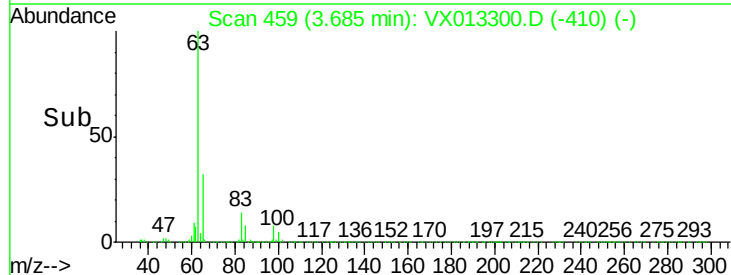
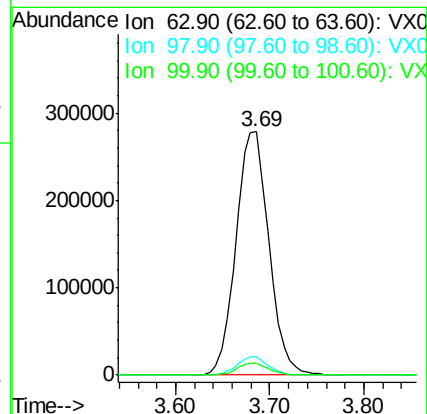
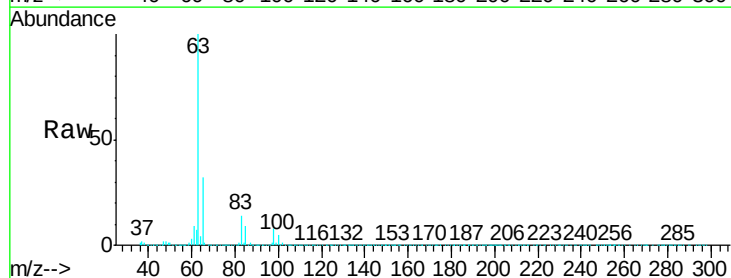
Tgt Ion: 63 Resp: 677154

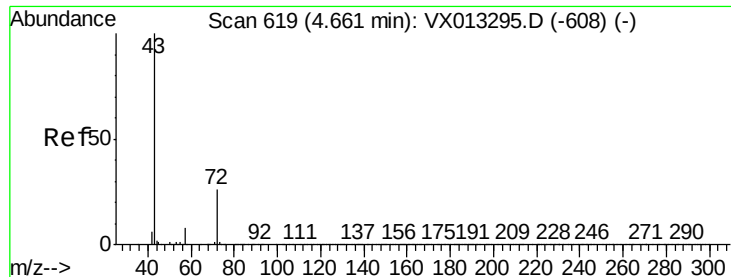
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 250.068 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1621271

Ion Ratio Lower Upper

43 100

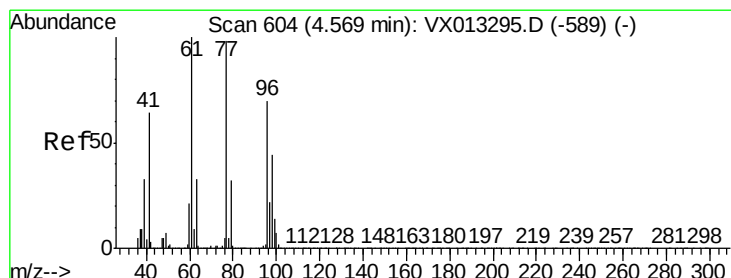
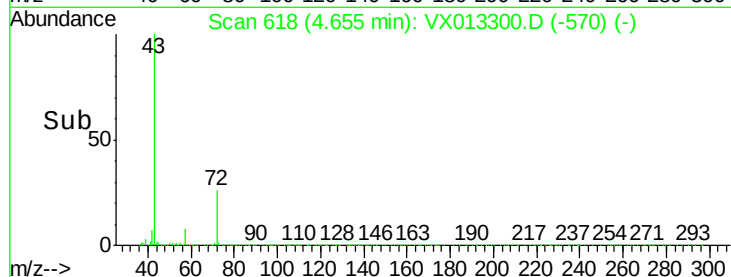
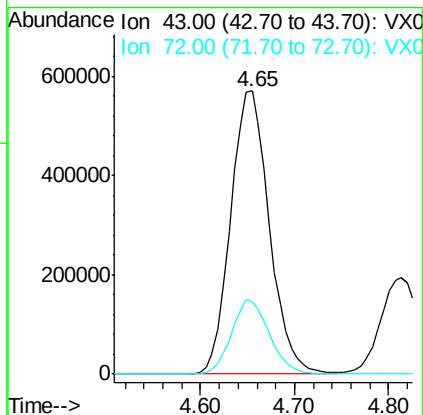
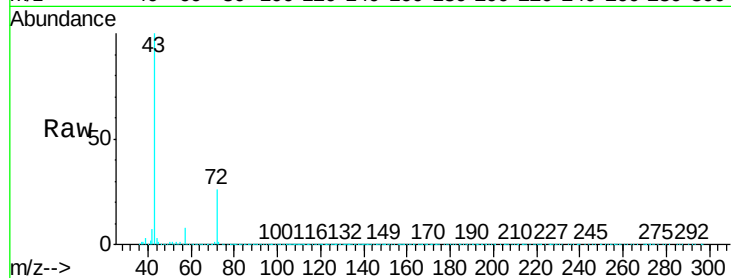
72 25.5 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.152 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013300.D

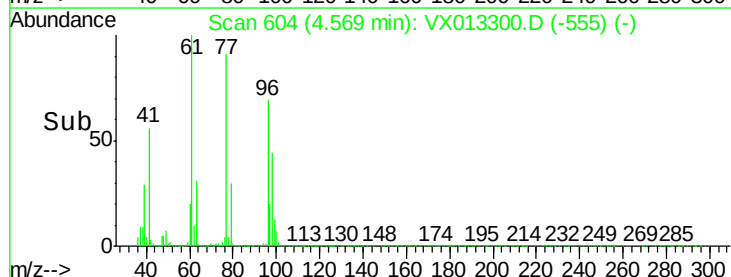
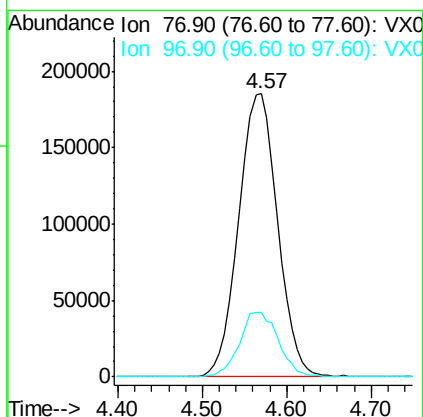
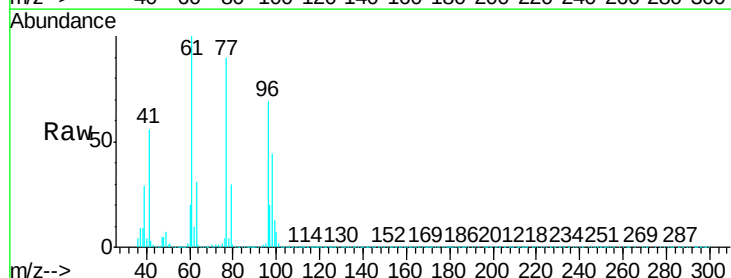
Acq: 01 Nov 2019 09:53

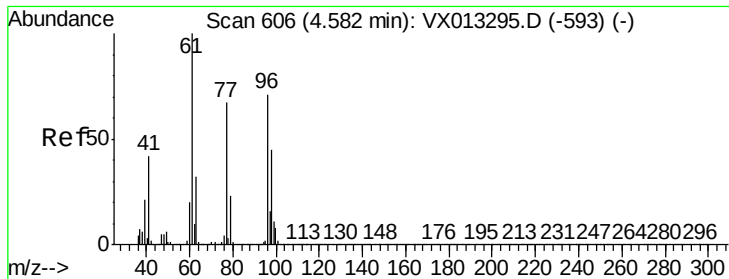
Tgt Ion: 77 Resp: 579938

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.8





#27

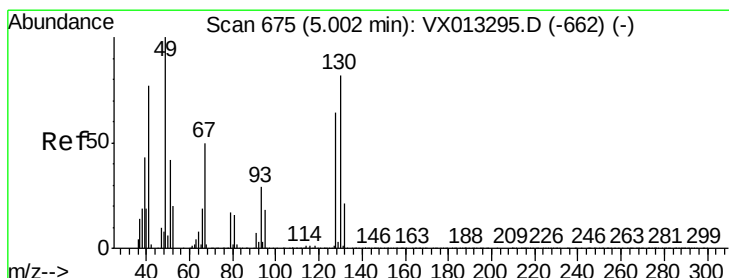
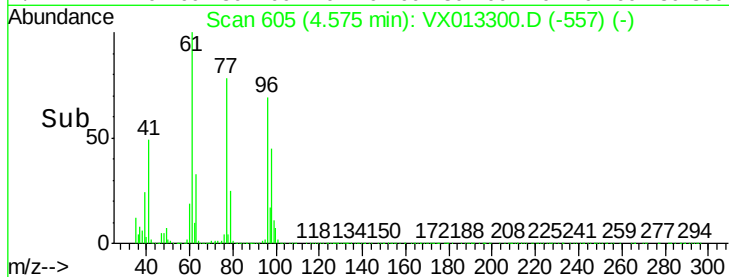
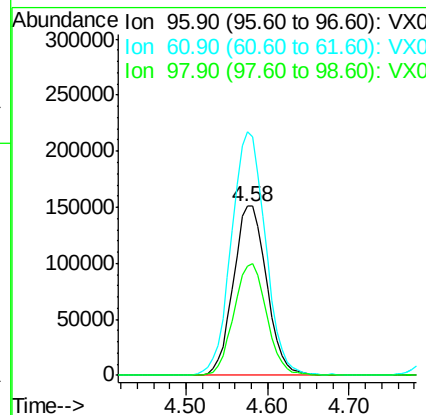
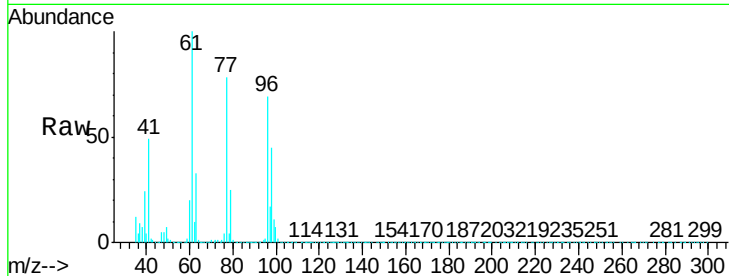
cis-1,2-Dichloroethene
Concen: 50.932 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	426172		
61	147.3	0.0	288.0	
98	65.1	0.0	129.6	

Manual Integrations
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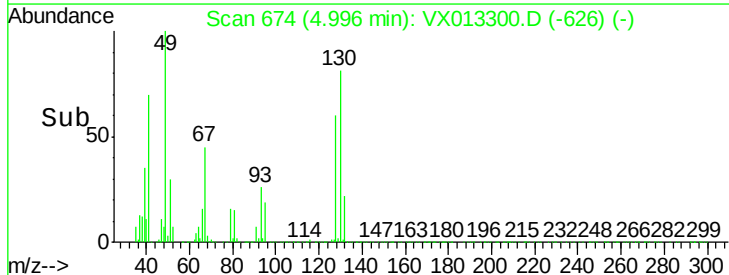
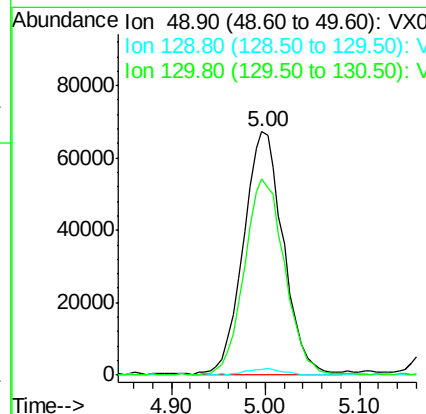
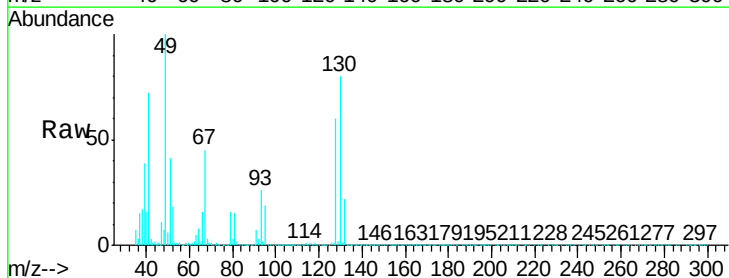
MMDadoda
11/4/2019 1:30:06 PM

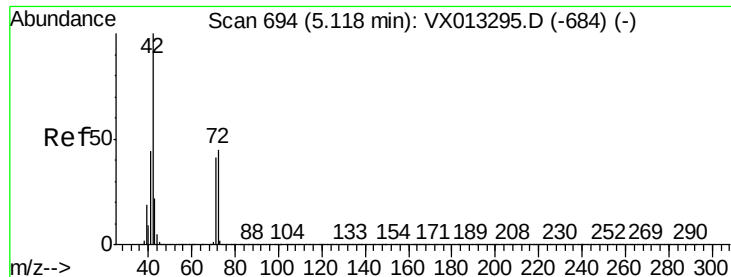


#28

Bromochloromethane
Concen: 51.639 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	197382		
129	2.9	0.0	5.2	
130	82.1	63.8	95.6	





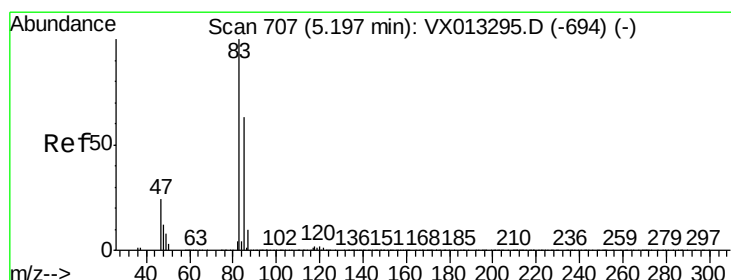
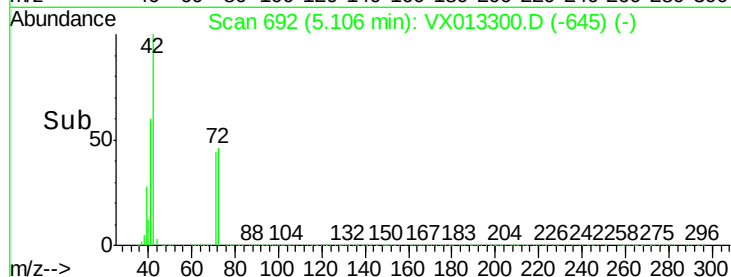
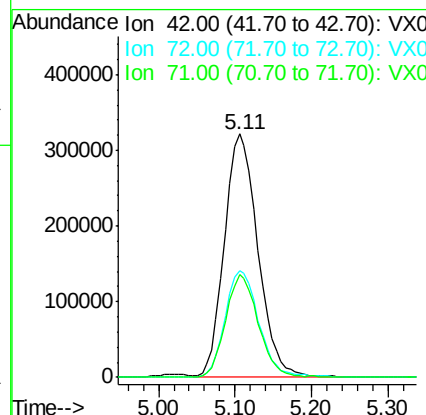
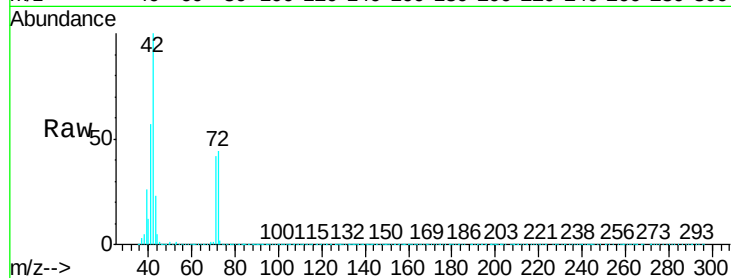
#29
Tetrahydrofuran
Concen: 242.402 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	41.2	33.4	50.0

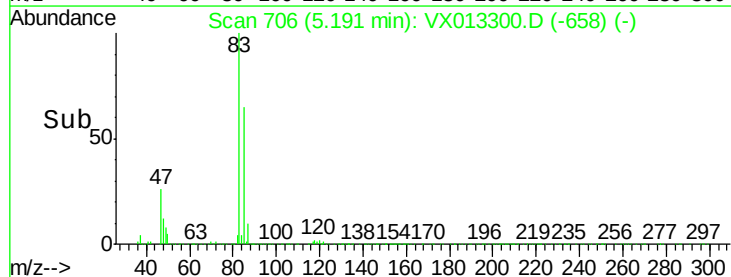
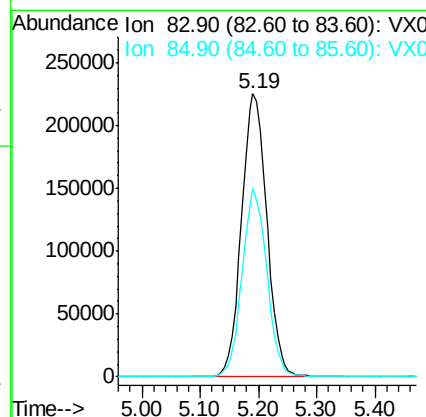
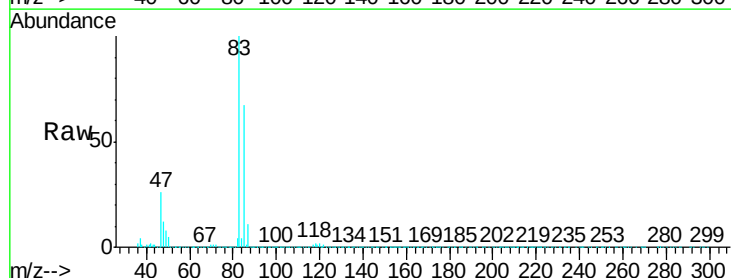
Manual Integrations
APPROVED

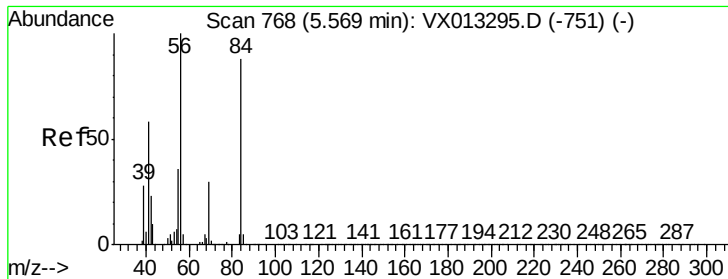
MMDadoda
11/4/2019 1:30:06 PM



#30
Chloroform
Concen: 50.930 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.2	75.4





#31

Cyclohexane

Concen: 51.739 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

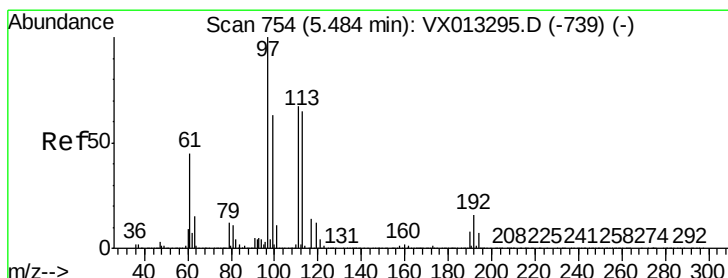
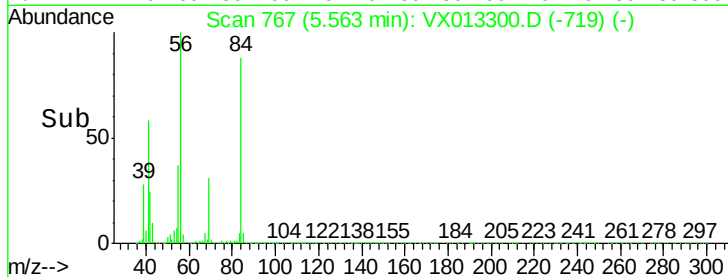
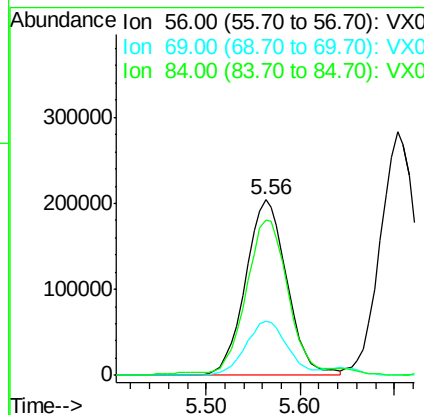
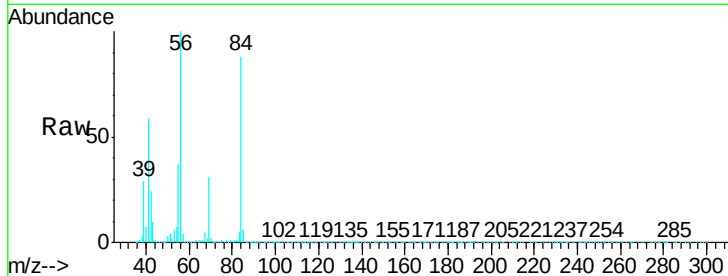
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	626747
Ion Ratio		Lower	Upper
56	100		
69	31.1	23.7	35.5
84	86.8	70.6	105.8

Manual Integrations
APPROVED

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11/4/2019 1:30:06 PM



#32

1,1,1-Trichloroethane

Concen: 51.784 ug/l

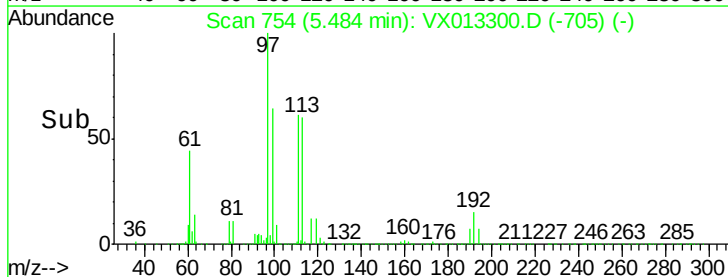
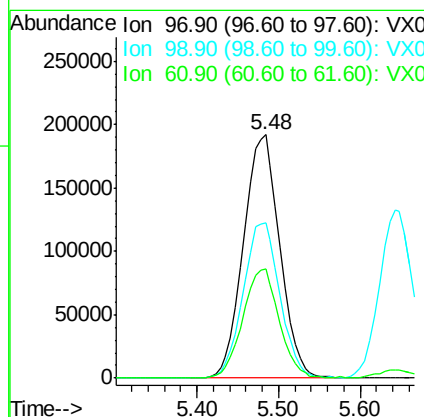
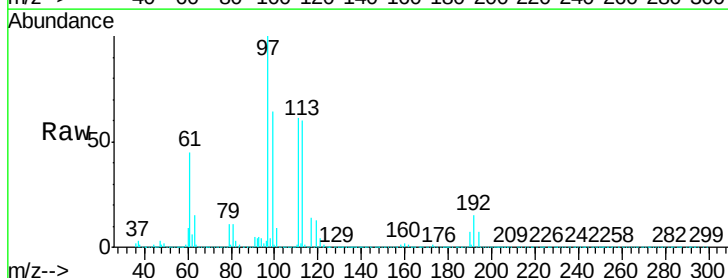
RT: 5.48 min Scan# 754

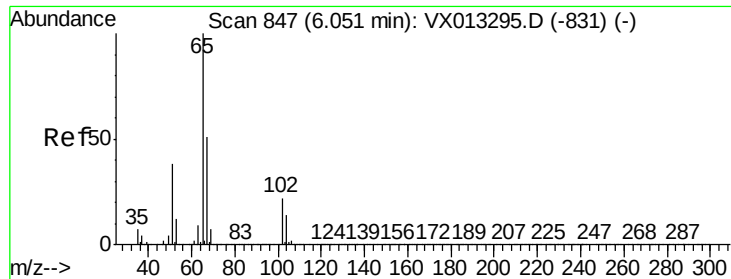
Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion:	97	Resp:	592402
Ion Ratio		Lower	Upper
97	100		
99	65.0	51.1	76.7
61	44.7	36.5	54.7





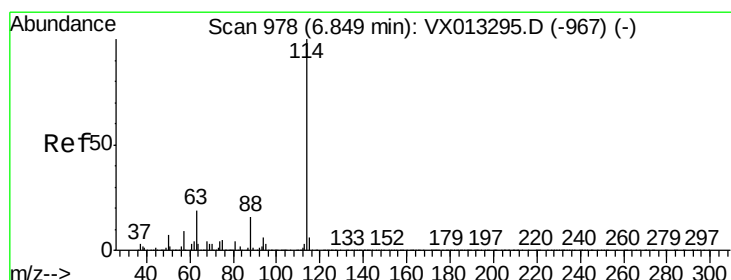
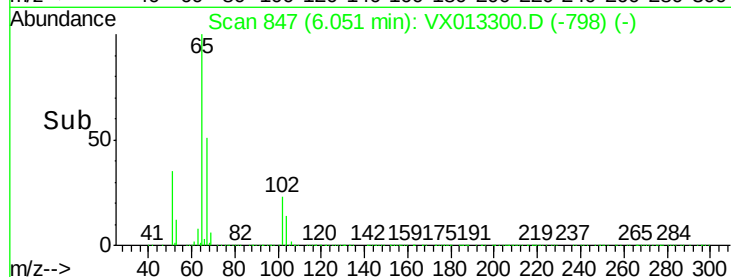
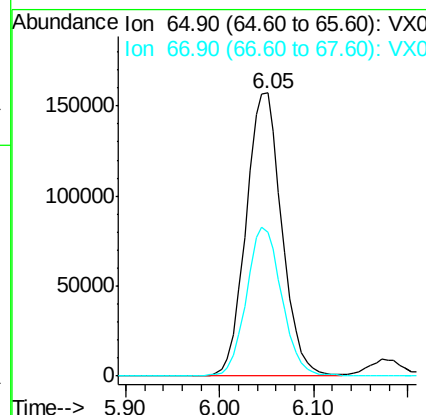
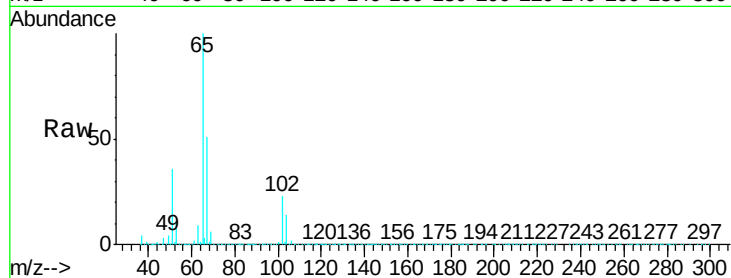
#33
 1,2-Dichloroethane-d4
 Concen: 47.028 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	416685		
67	51.4	0.0	104.2	

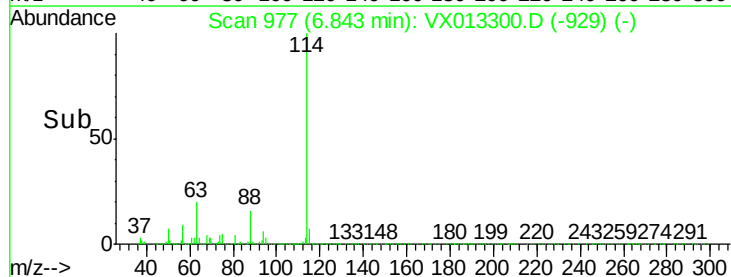
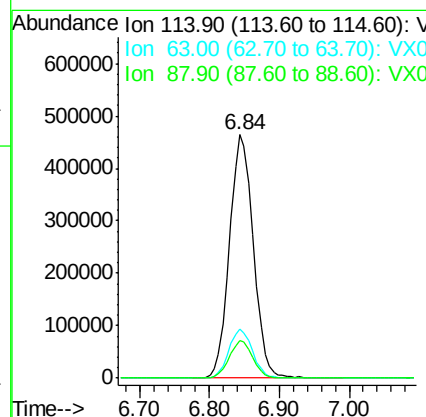
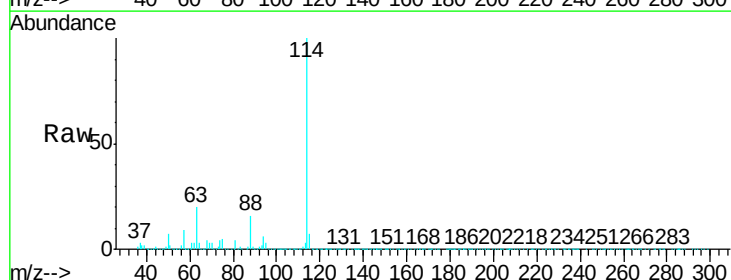
Manual Integrations
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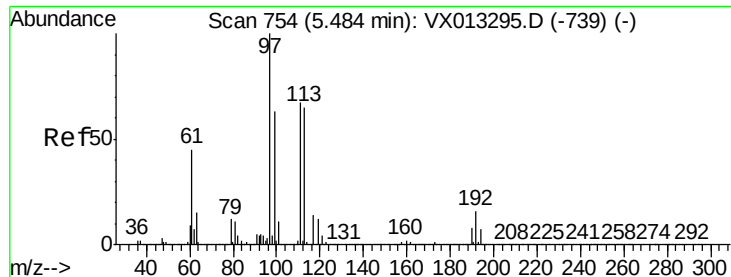
MMDadoda
 11/4/2019 1:30:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1098806		
63	20.3	0.0	38.4	
88	15.6	0.0	32.2	





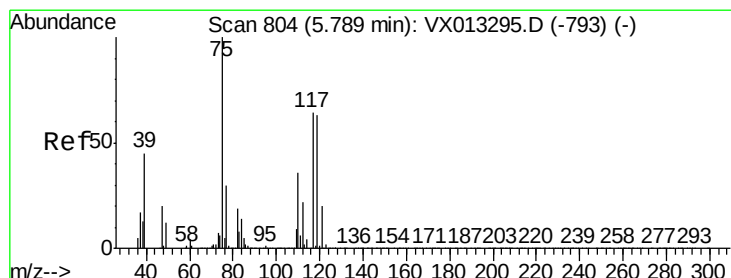
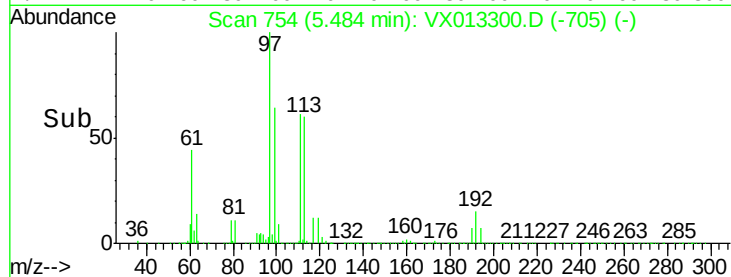
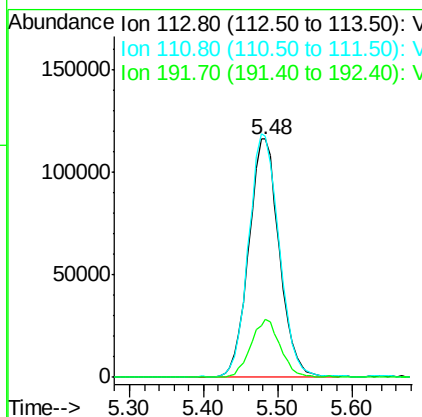
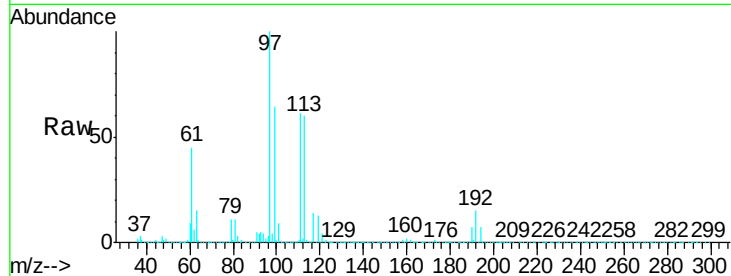
#35
Dibromofluoromethane
Concen: 48.450 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	333913		
111	101.9	81.9	122.9	
192	23.3	19.1	28.7	

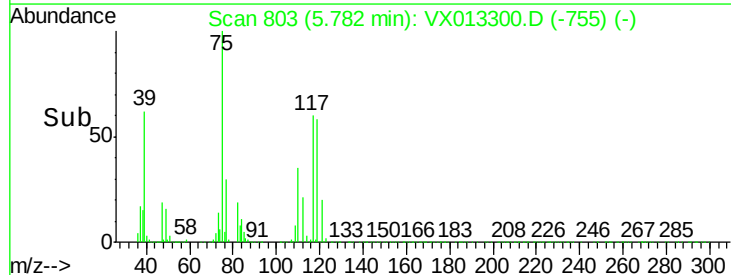
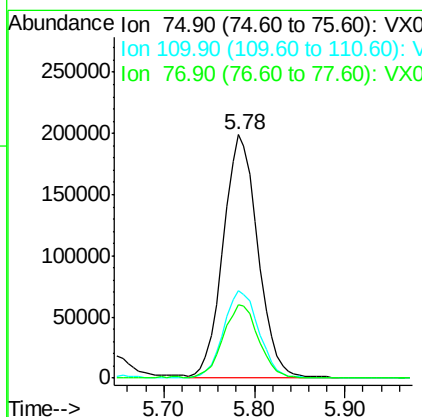
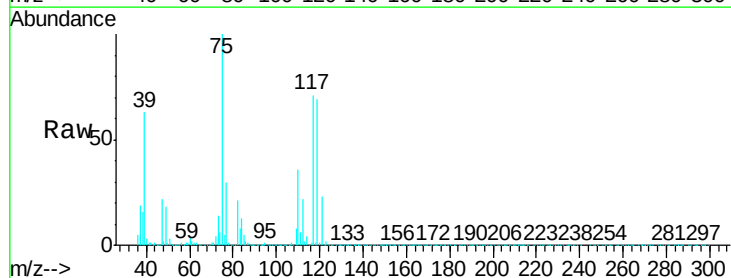
Manual Integrations
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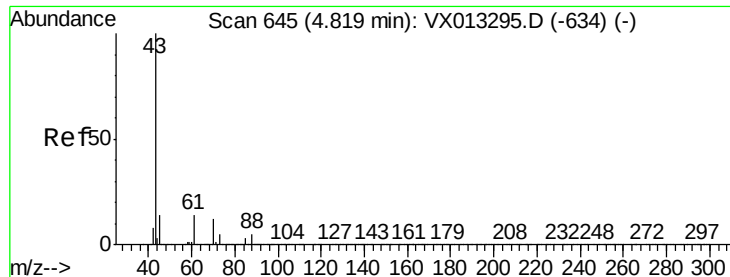
MMDadoda
11/4/2019 1:30:06 PM



#36
1,1-Dichloropropene
Concen: 55.706 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	525107		
110	36.6	18.1	54.1	
77	30.6	25.0	37.4	





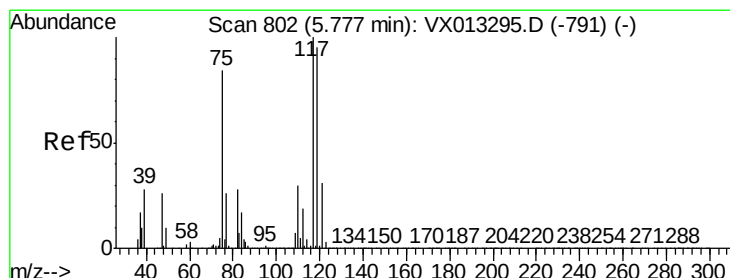
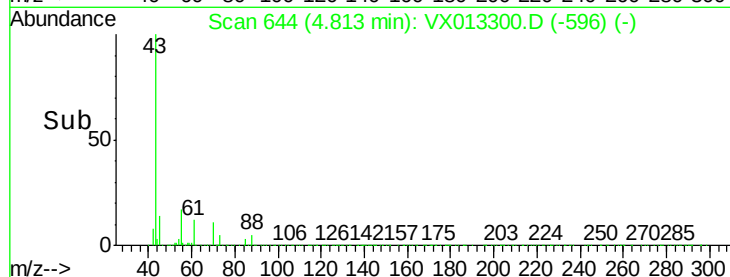
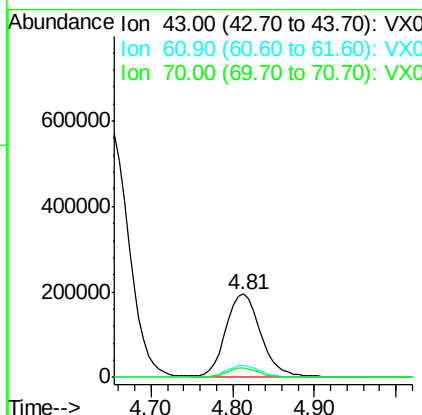
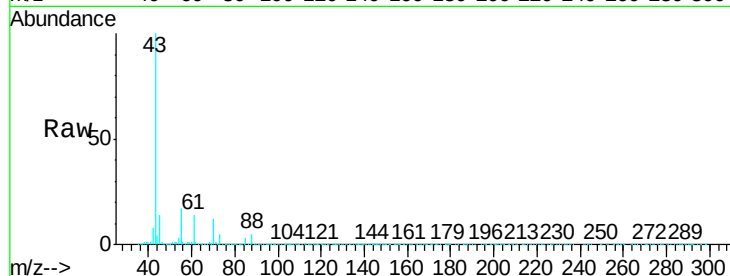
#37
Ethyl Acetate
Concen: 49.511 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.4	8.7	13.1

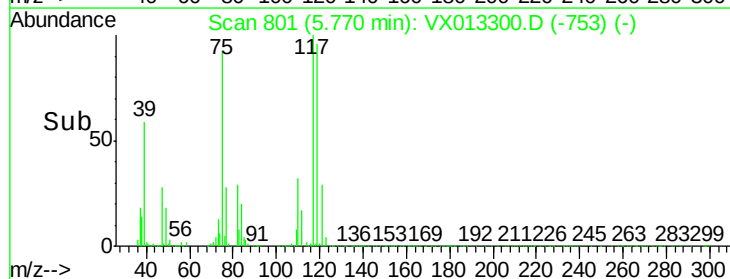
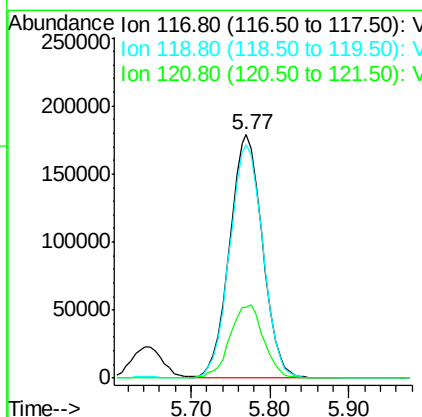
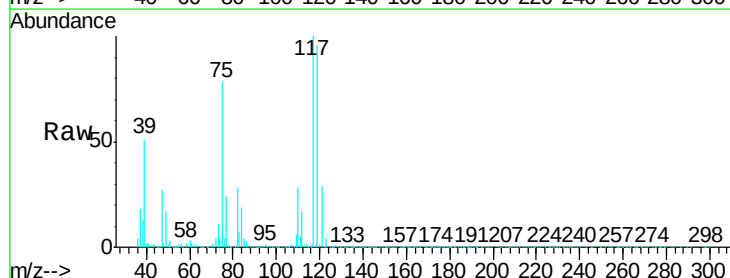
Manual Integrations
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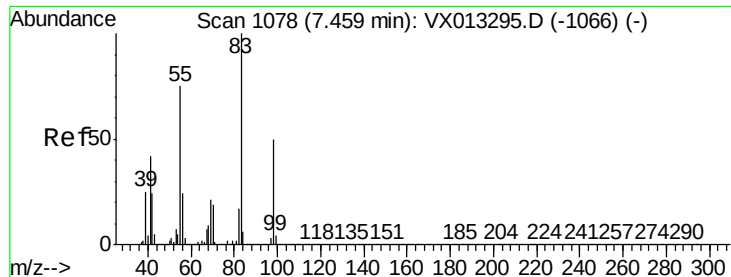
MMDadoda
11/4/2019 1:30:06 PM



#38
Carbon Tetrachloride
Concen: 56.036 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.1	114.1
121	29.2	24.6	37.0





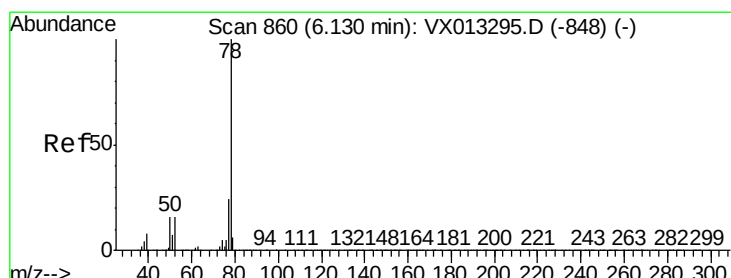
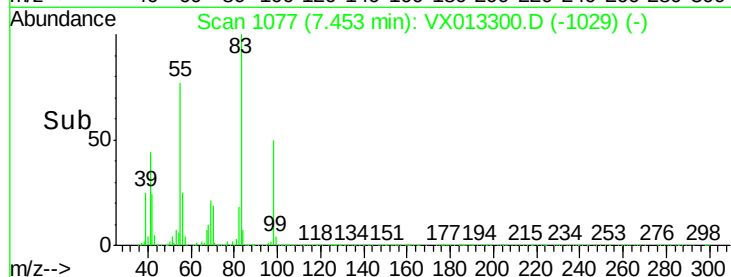
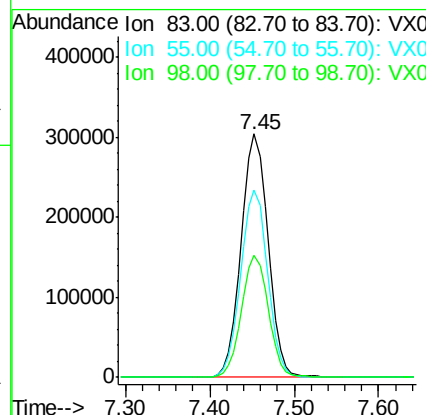
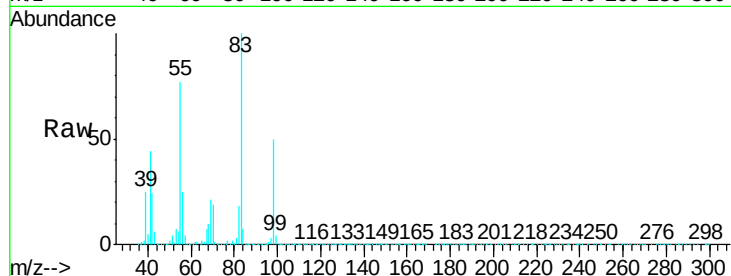
#39
Methylcyclohexane
Concen: 55.735 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.1	60.3	90.5
98	50.2	40.3	60.5

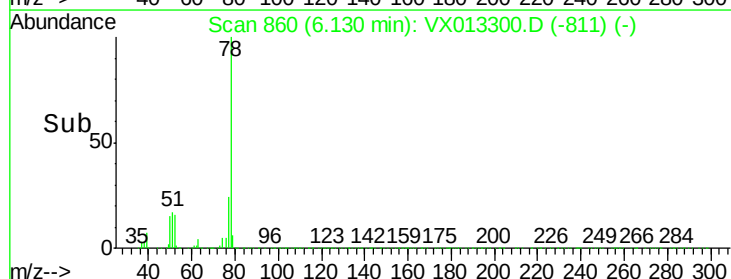
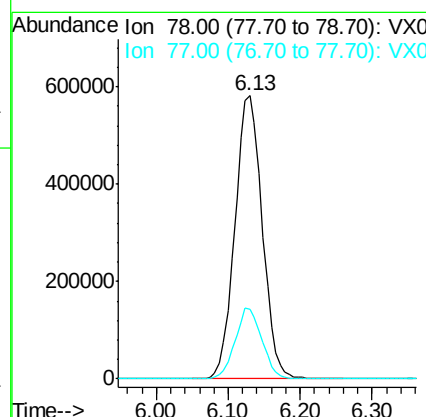
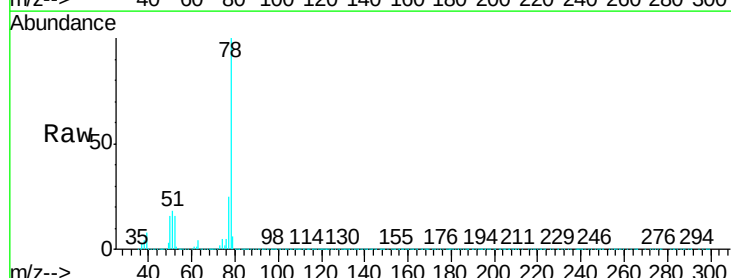
Manual Integrations
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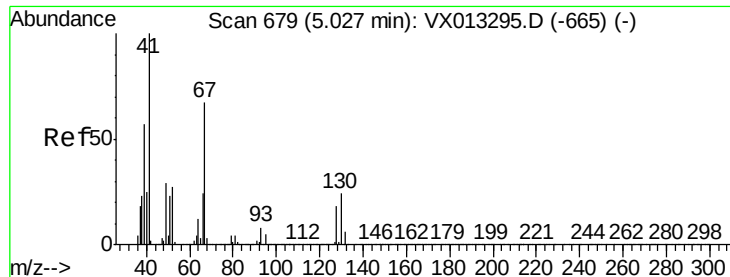
MMDadoda
11/4/2019 1:30:06 PM



#40
Benzene
Concen: 52.205 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





#41

Methacrylonitrile

Concen: 50.219 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

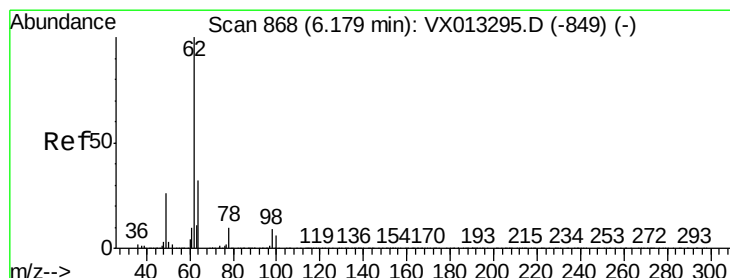
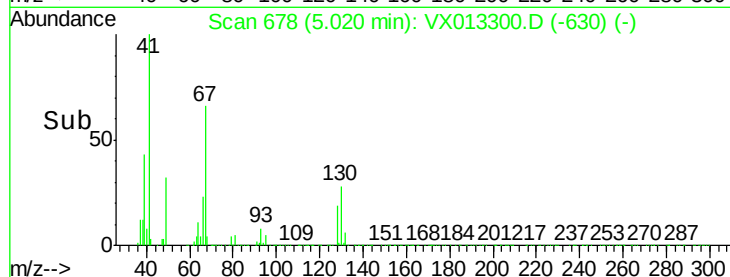
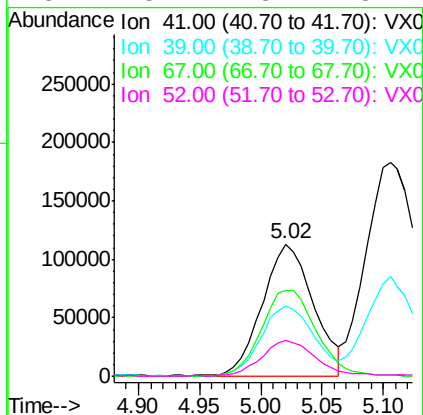
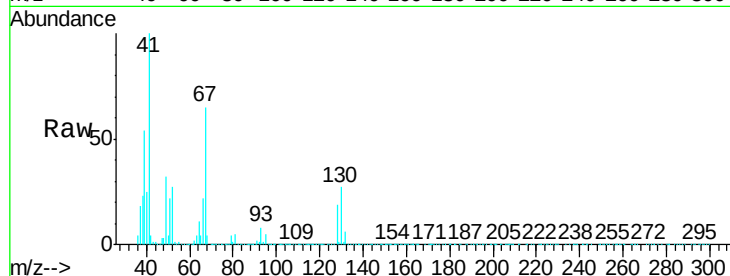
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.0	67.6
67	70.4	55.4	83.2
52	28.4	23.1	34.7

Manual Integrations
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11/4/2019 1:30:06 PM



#42

1,2-Dichloroethane

Concen: 52.676 ug/l

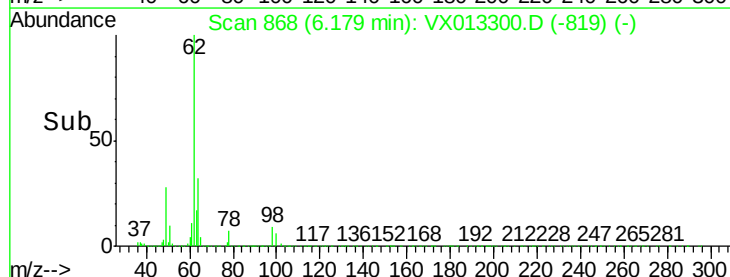
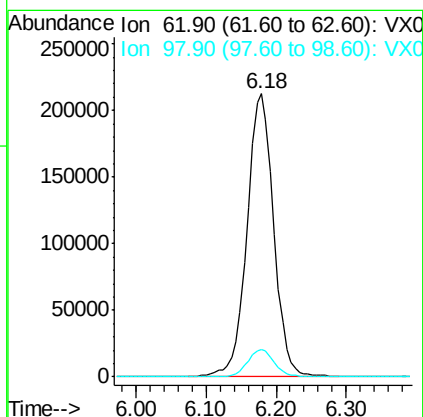
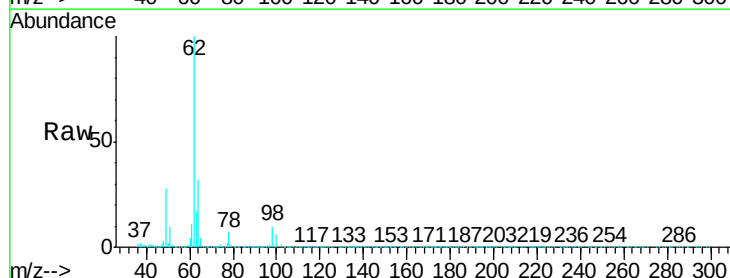
RT: 6.18 min Scan# 868

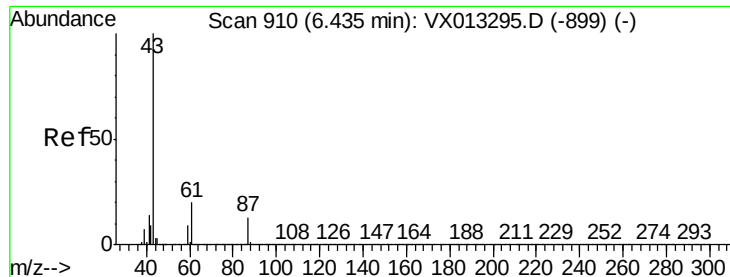
Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





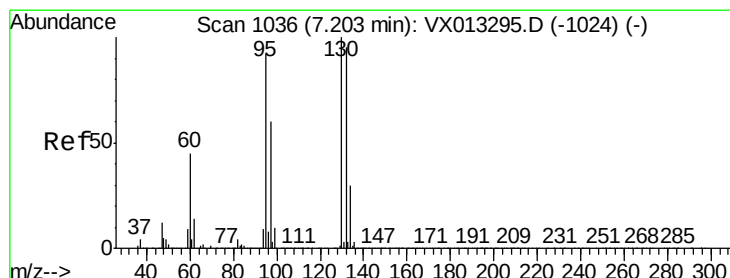
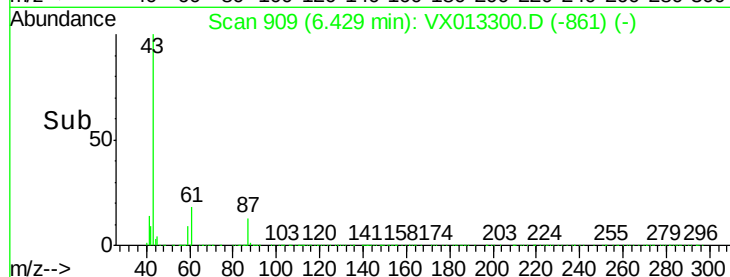
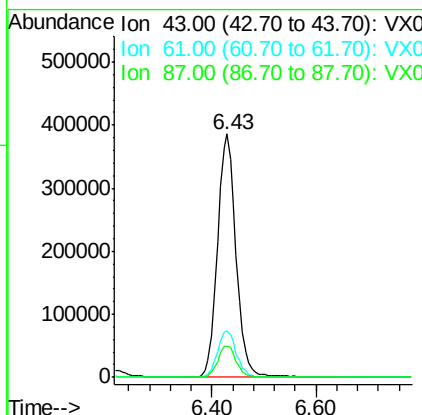
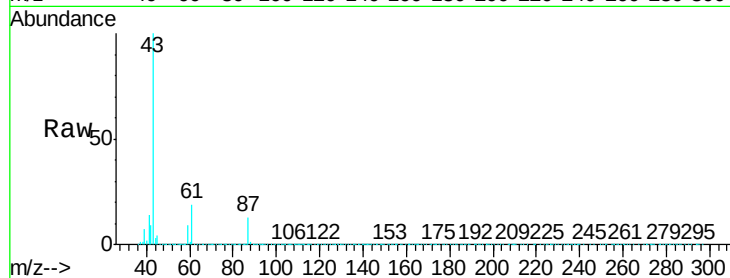
#43
Isopropyl Acetate
Concen: 52.916 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.8
87	13.1	10.4	15.6

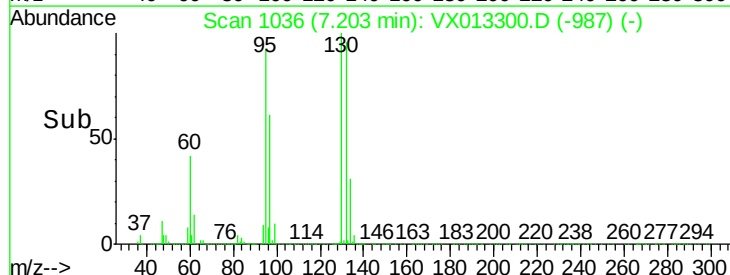
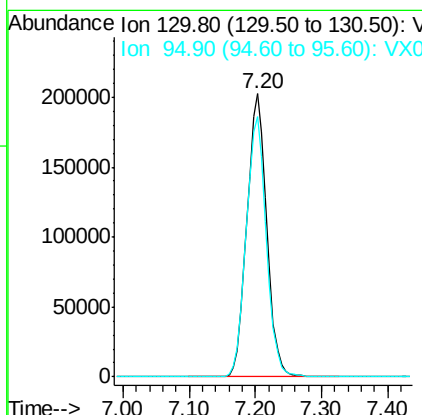
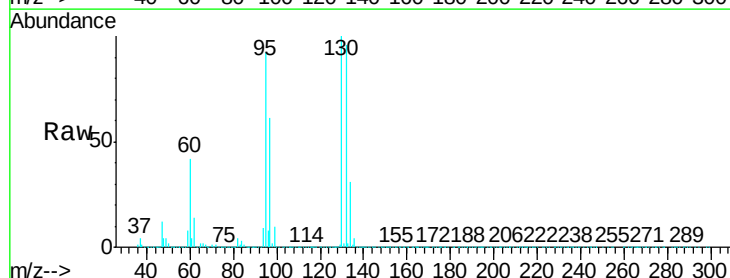
Manual Integrations
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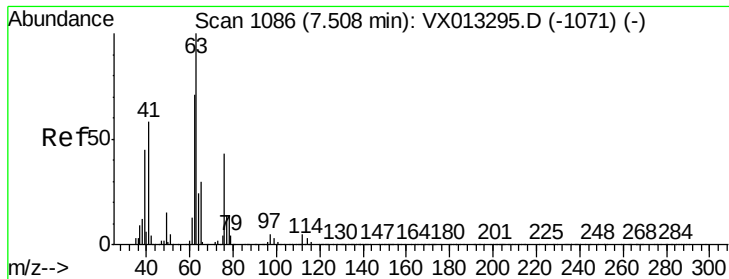
MMDadoda
11/4/2019 1:30:06 PM



#44
Trichloroethene
Concen: 52.530 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	184.8





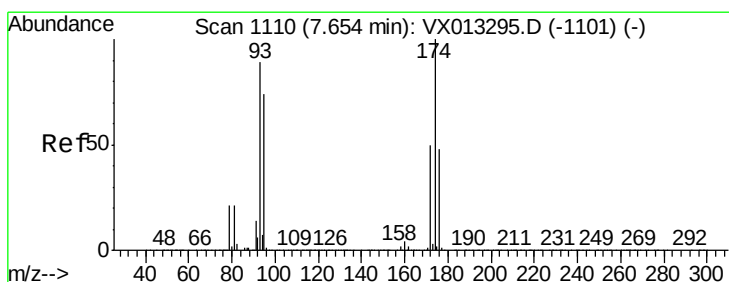
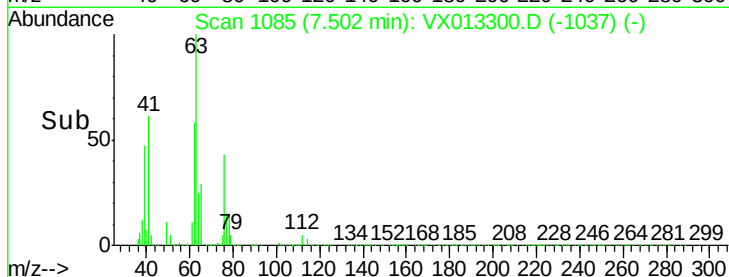
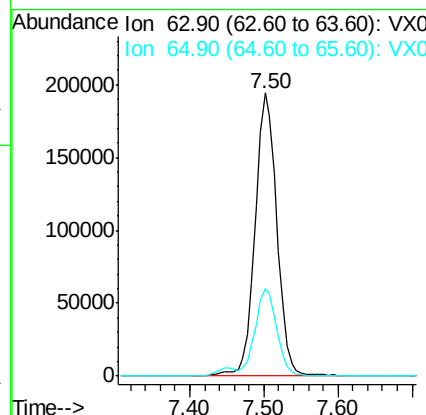
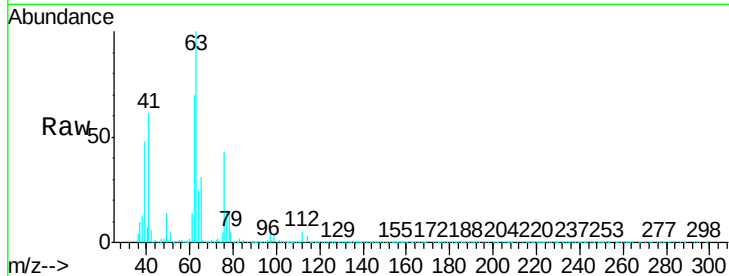
#45
 1,2-Dichloropropane
 Concen: 52.922 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.3	36.5

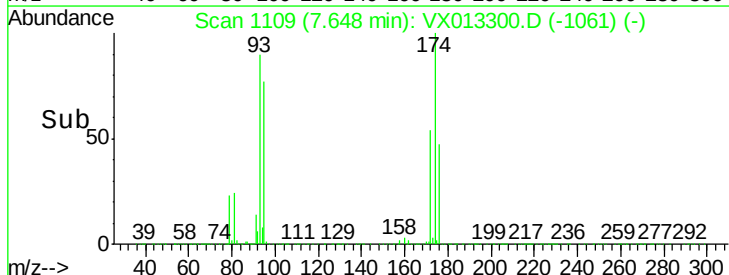
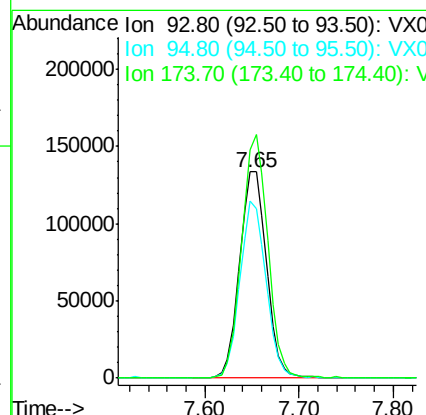
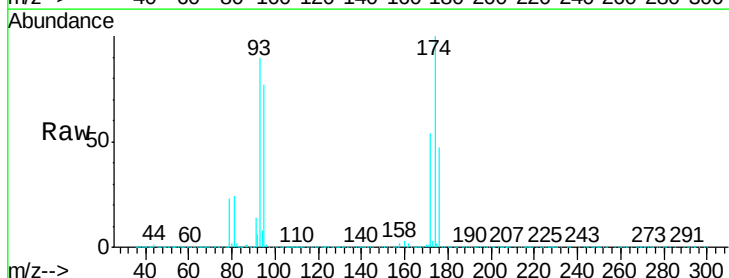
Manual Integrations
 APPROVED

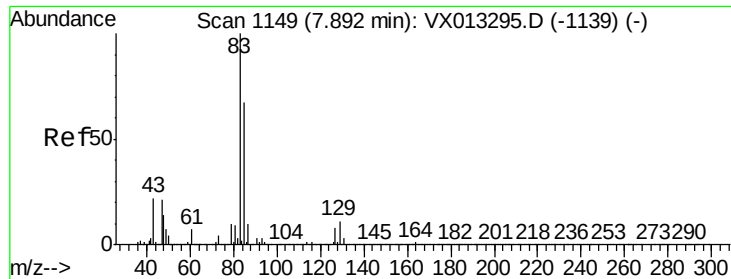
MMDadoda
 11/4/2019 1:30:06 PM



#46
 Dibromomethane
 Concen: 52.016 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	114.8	90.4	135.6





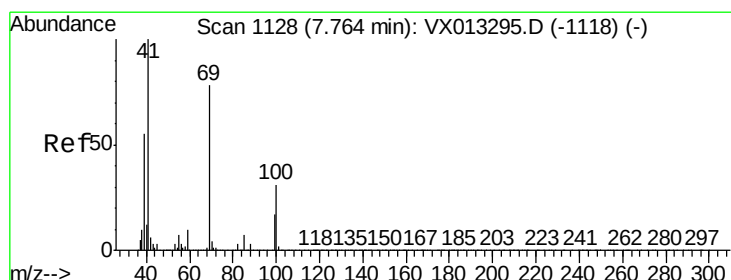
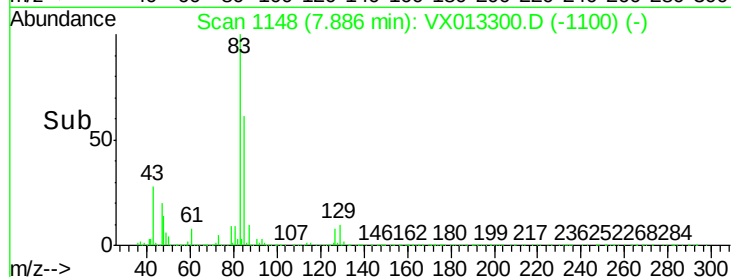
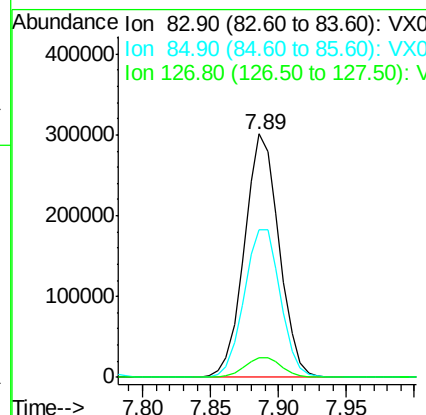
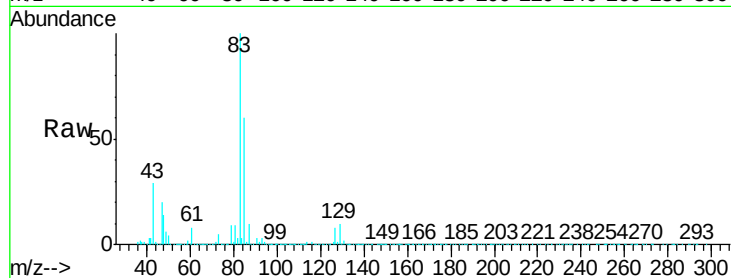
#47
Bromodichloromethane
Concen: 55.659 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	536141		
85	60.4	53.7	80.5	
127	8.2	6.4	9.6	

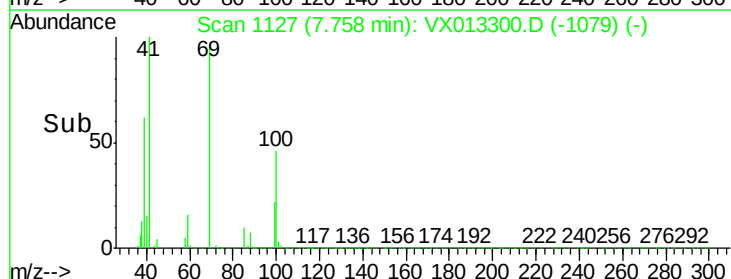
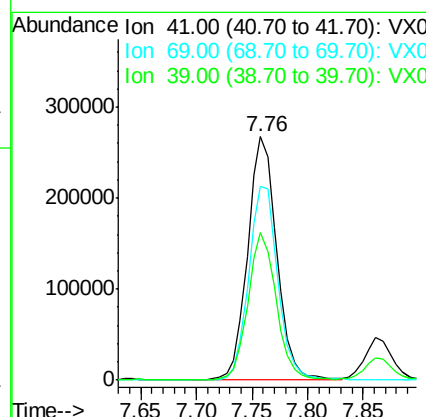
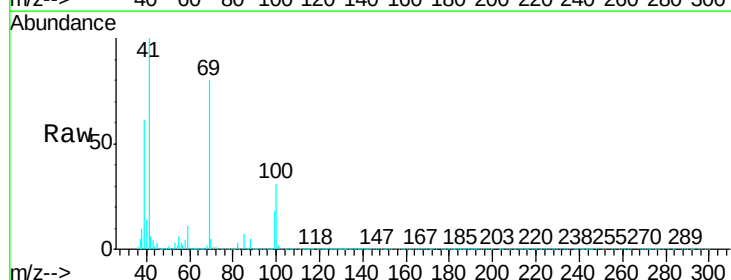
Manual Integrations
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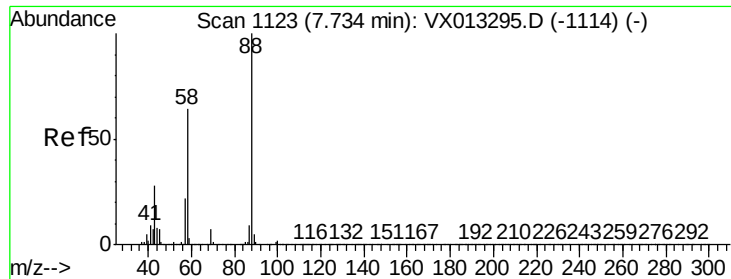
MMDadoda
11/4/2019 1:30:06 PM



#48
Methyl methacrylate
Concen: 53.268 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	482288		
69	80.8	63.0	94.6	
39	58.8	45.9	68.9	





#49

1,4-Dioxane

Concen: 944.696 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

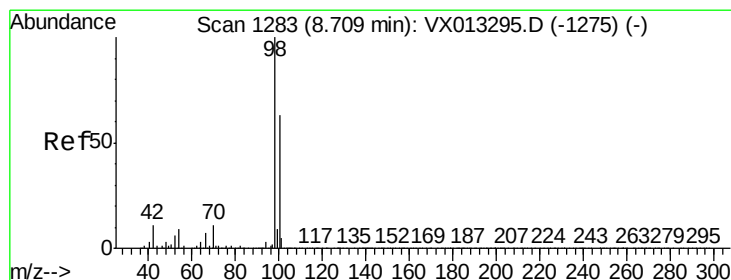
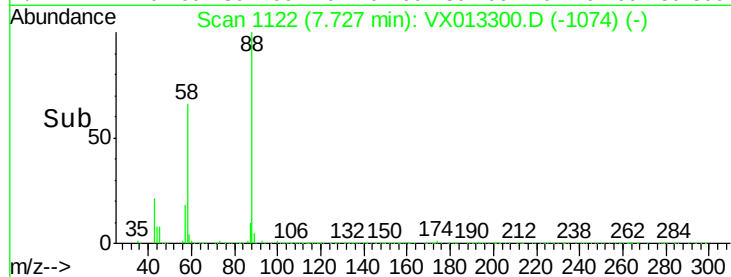
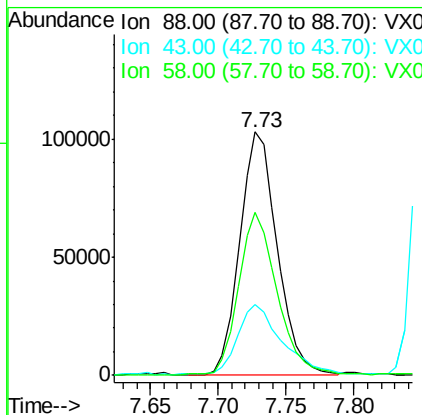
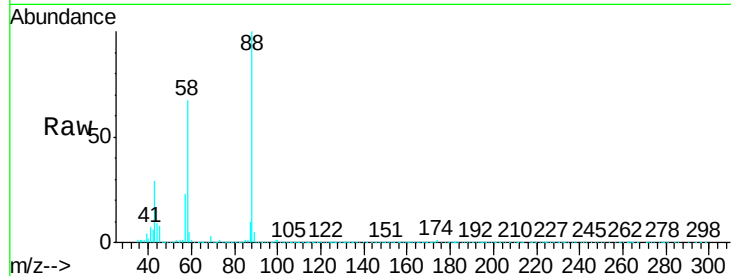
ClientSampleId :

VSTDCCC050

Tgt Ion:	88	Resp:	195879
Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.6	39.8
58	69.6	55.0	82.6

Manual Integrations
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11/4/2019 1:30:06 PM



#50

Toluene-d8

Concen: 49.268 ug/l

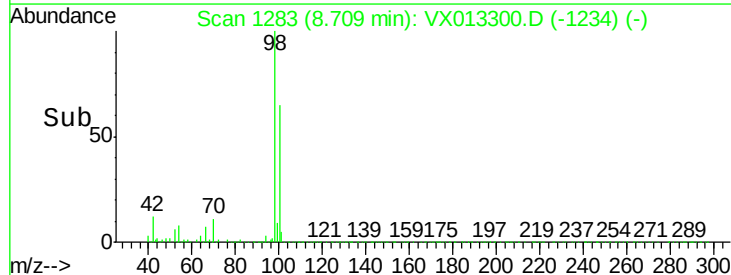
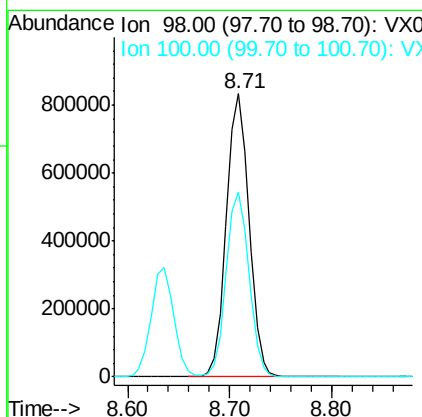
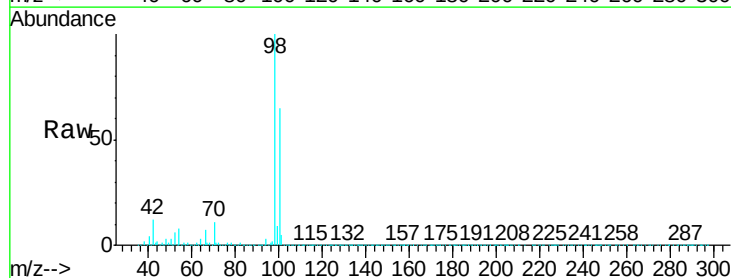
RT: 8.71 min Scan# 1283

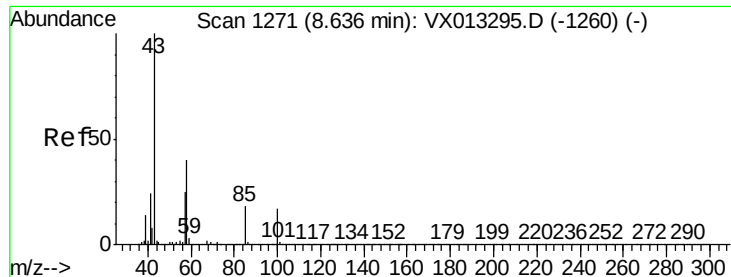
Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion:	98	Resp:	1280066
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





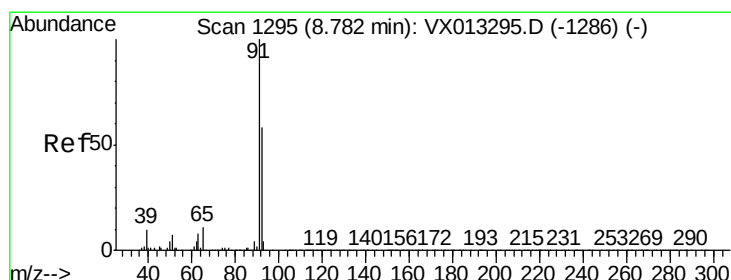
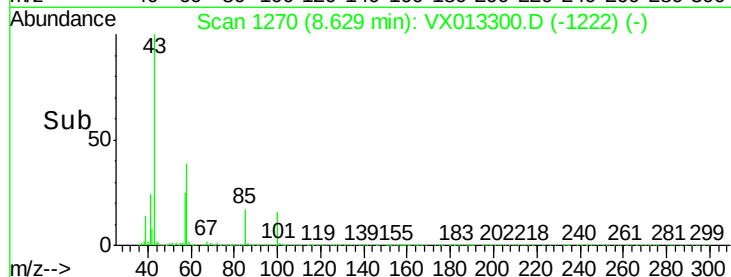
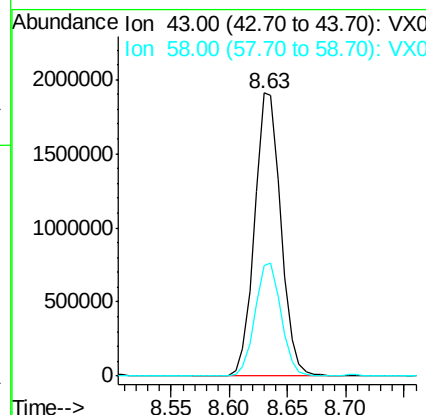
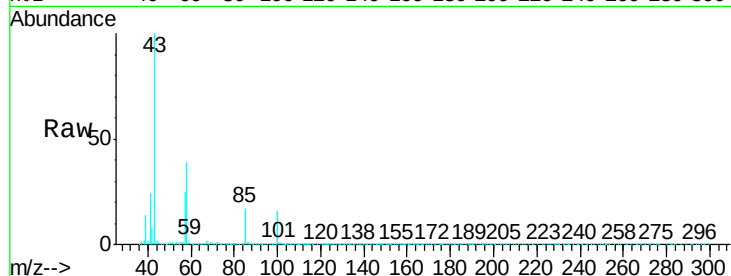
#51
4-Methyl-2-Pentanone
Concen: 252.794 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 3008244
Ion Ratio Lower Upper
43 100
58 39.7 31.4 47.0

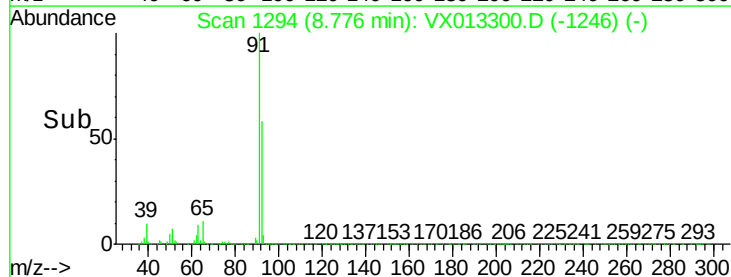
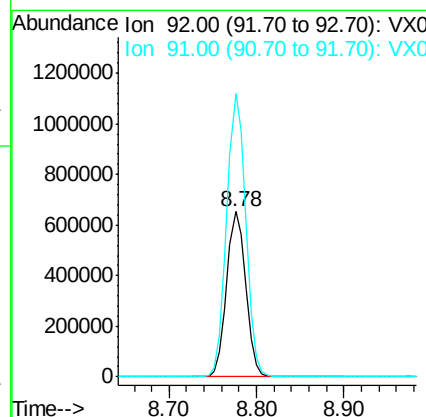
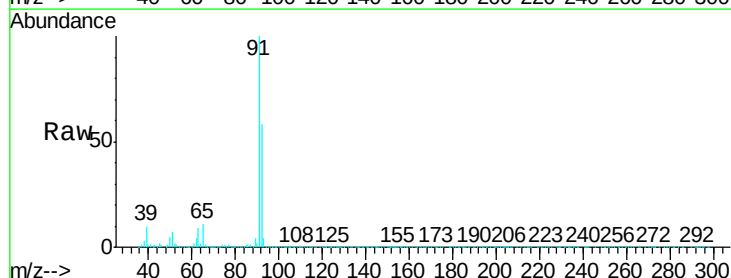
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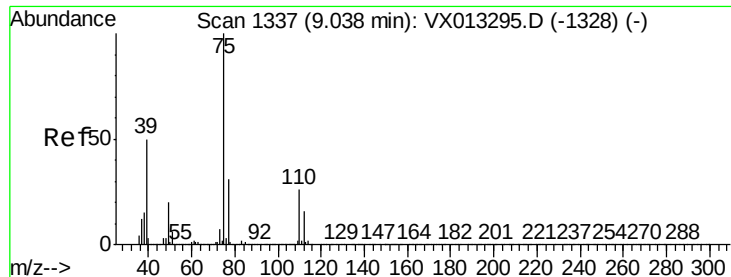
MMDadoda
11/4/2019 1:30:06 PM



#52
Toluene
Concen: 54.274 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 92 Resp: 987734
Ion Ratio Lower Upper
92 100
91 170.9 138.0 207.0





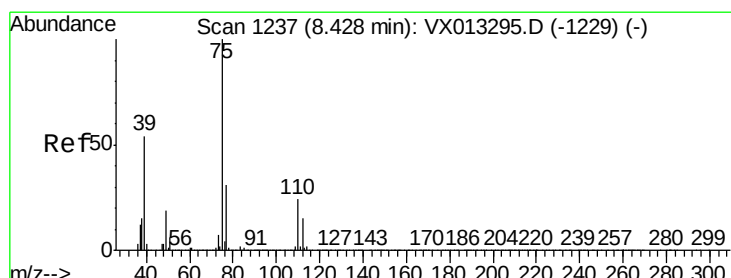
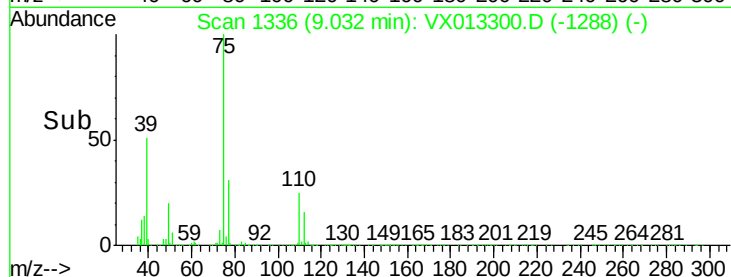
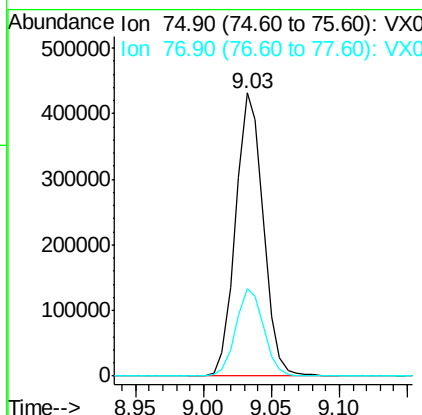
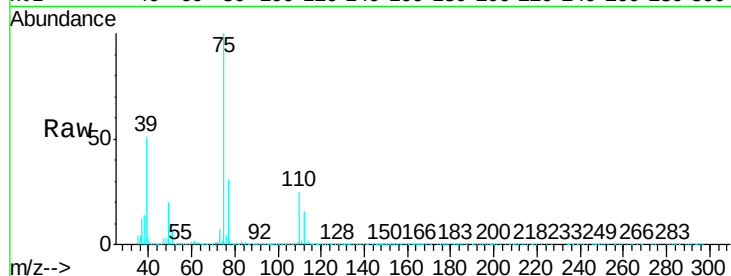
#53
t-1,3-Dichloropropene
Concen: 57.865 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 609500
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

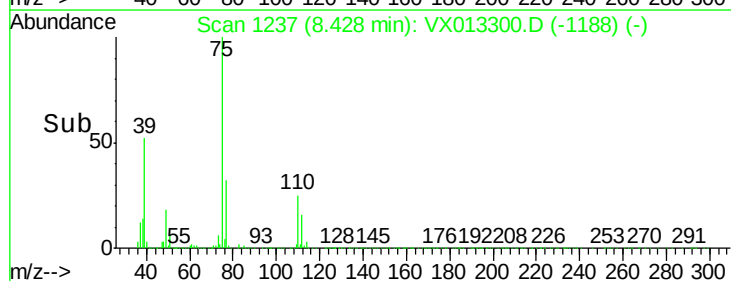
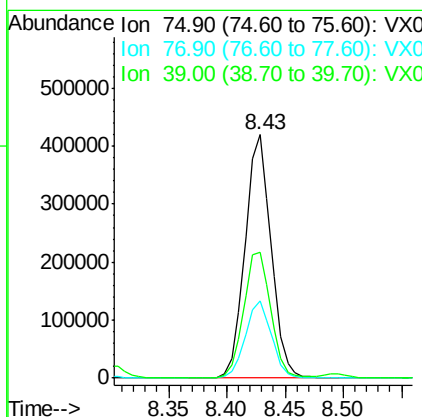
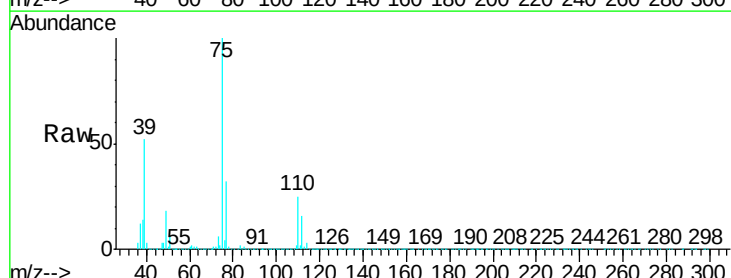
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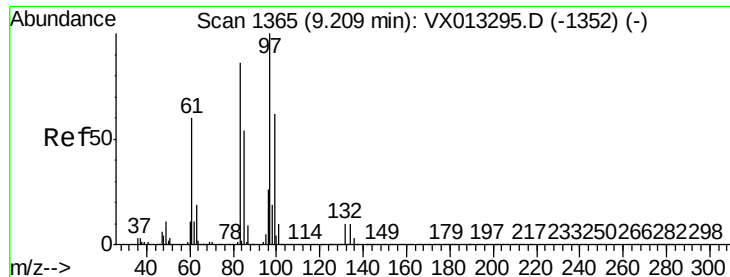
MMDadoda
11/4/2019 1:30:06 PM



#54
cis-1,3-Dichloropropene
Concen: 55.504 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 75 Resp: 653979
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1
39 51.7 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 52.816 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

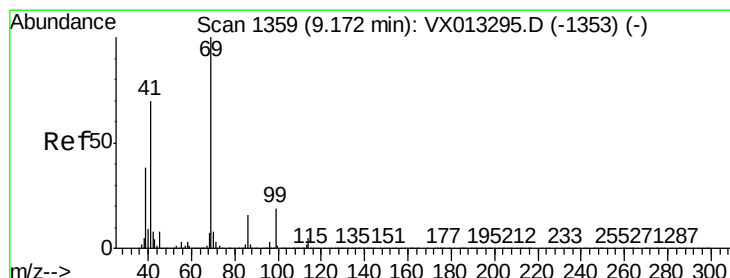
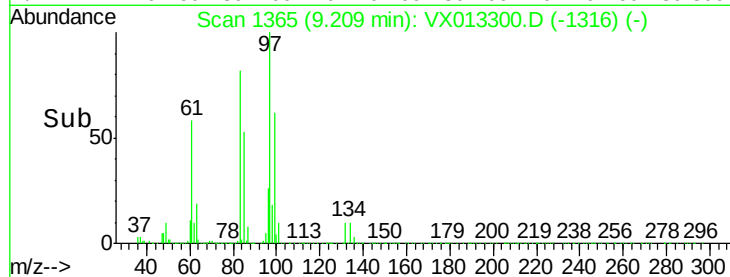
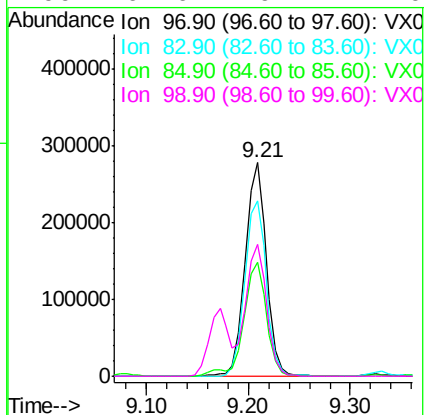
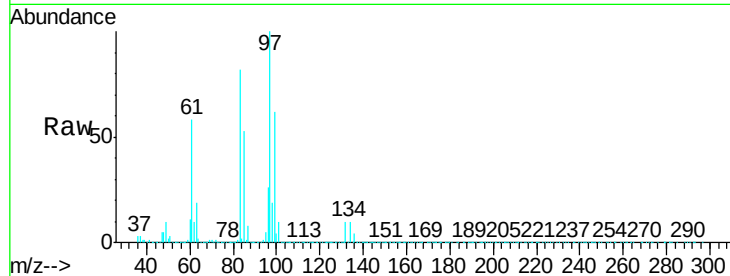
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	398406		
83	82.0	68.6	103.0	
85	53.0	43.1	64.7	
99	61.6	49.4	74.0	

Manual Integrations
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11/4/2019 1:30:06 PM



#56

Ethyl methacrylate

Concen: 49.609 ug/l

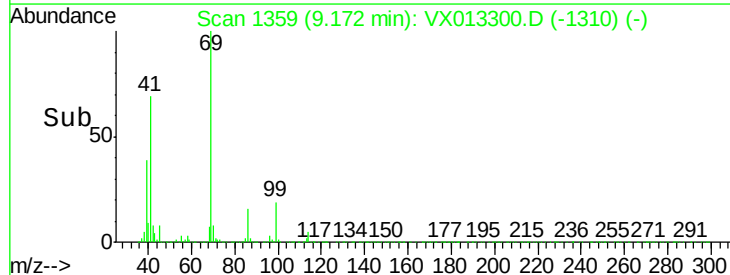
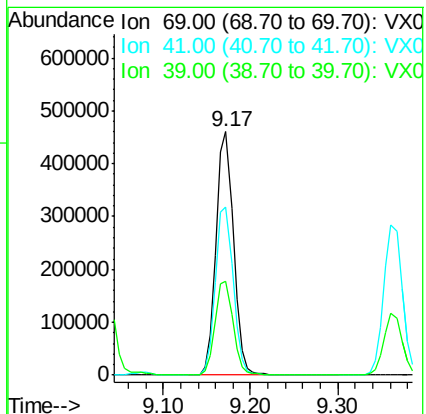
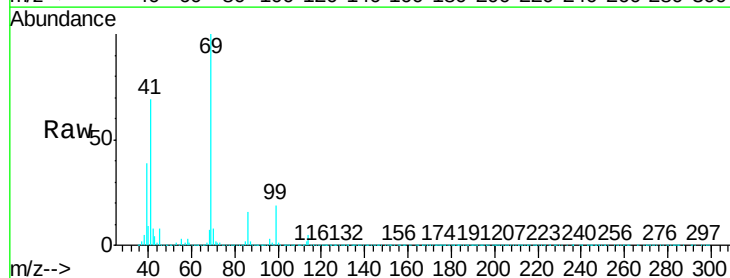
RT: 9.17 min Scan# 1359

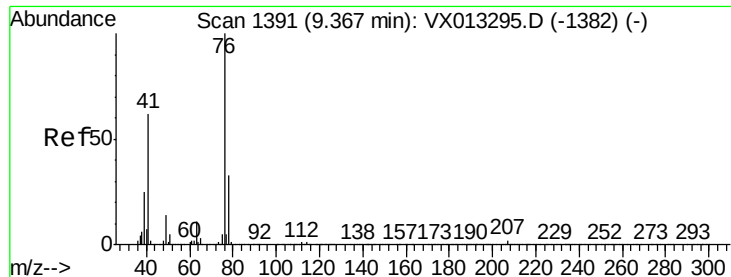
Delta R.T. 0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	638695		
41	70.2	56.2	84.2	
39	39.4	31.1	46.7	





#57

1,3-Dichloropropane

Concen: 52.605 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 673610

Ion Ratio Lower Upper

76 100

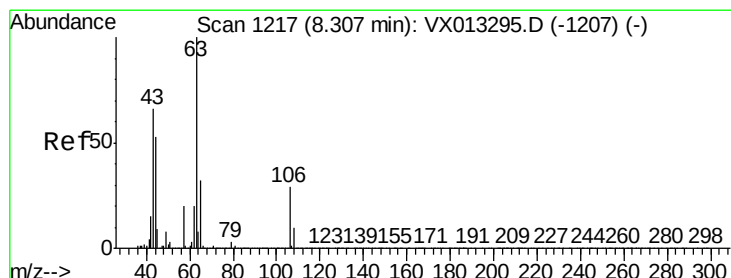
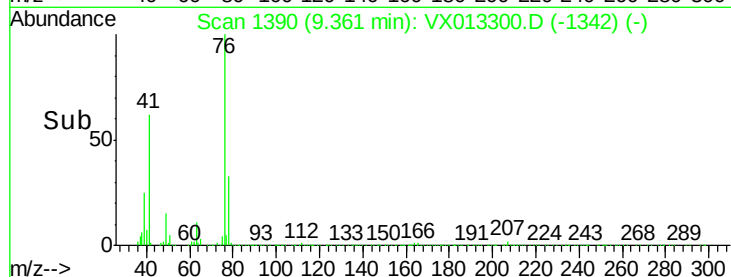
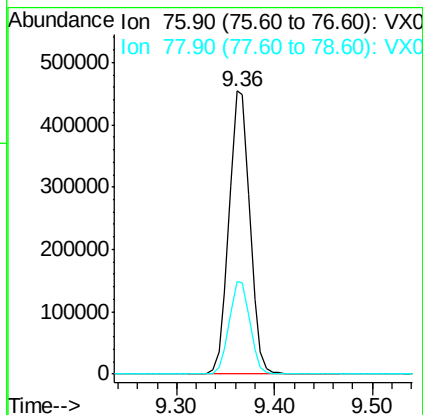
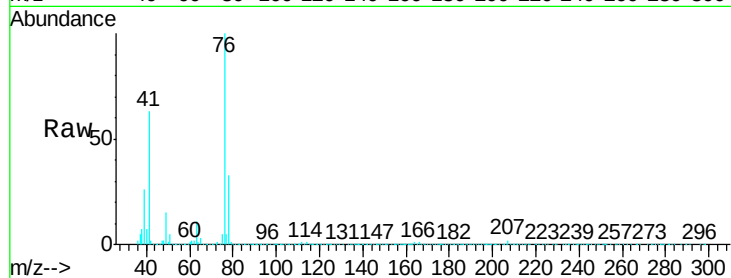
78 32.5 25.8 38.6

Manual Integrations

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11/4/2019 1:30:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 280.096 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013300.D

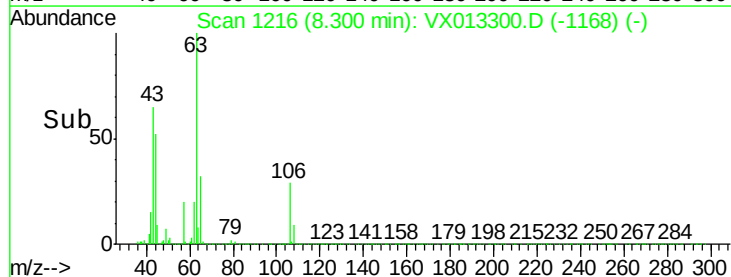
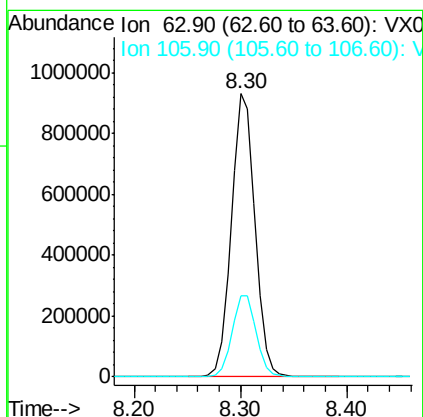
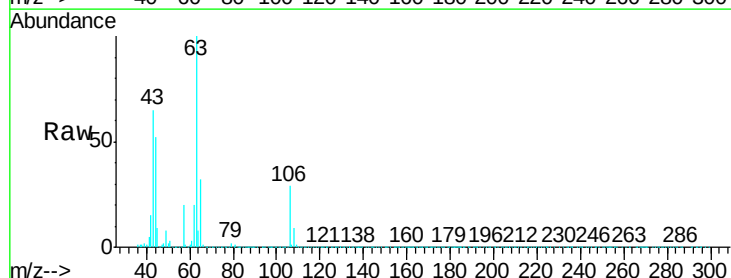
Acq: 01 Nov 2019 09:53

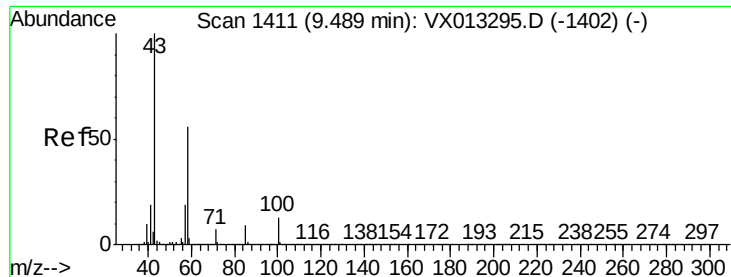
Tgt Ion: 63 Resp: 1444658

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.2





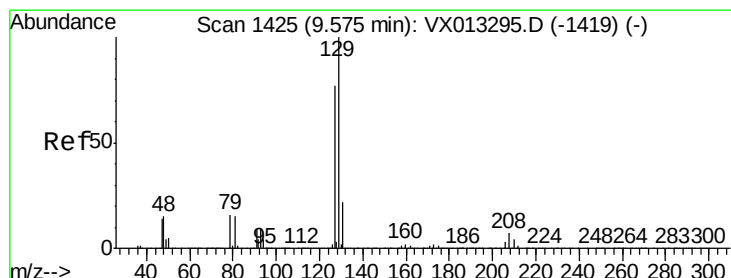
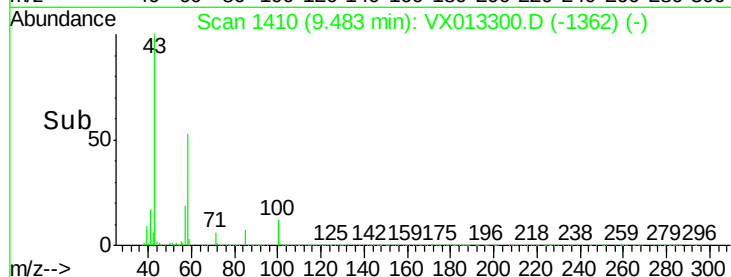
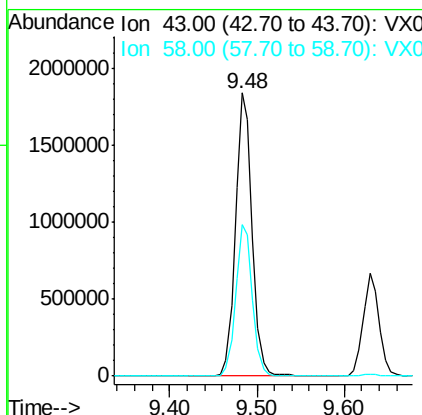
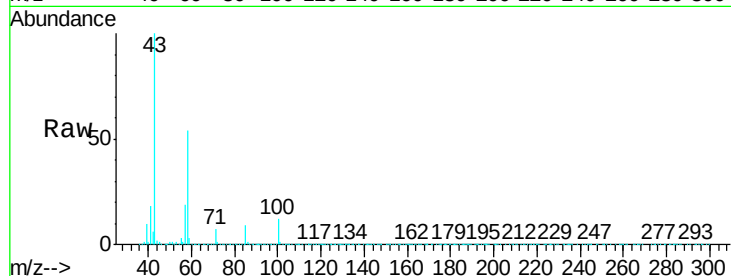
#59
2-Hexanone
Concen: 266.559 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2451283
Ion Ratio Lower Upper
43 100
58 53.8 27.3 81.8

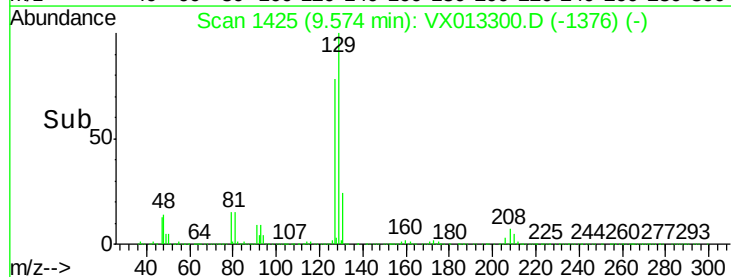
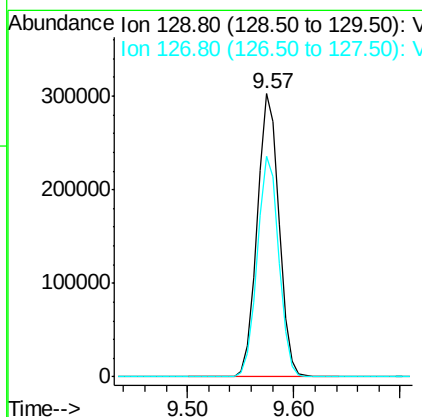
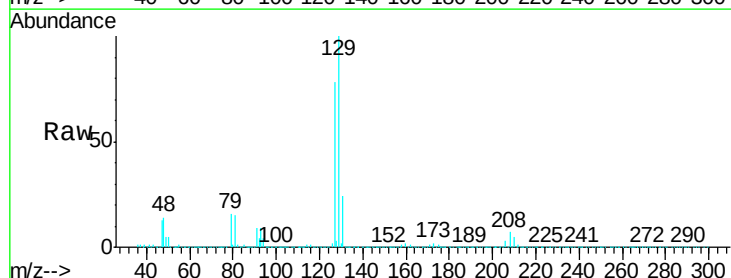
Manual Integrations
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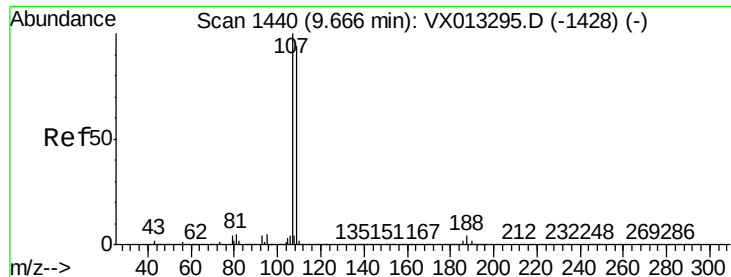
MMDadoda
11/4/2019 1:30:06 PM



#60
Dibromochloromethane
Concen: 56.460 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 129 Resp: 435572
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 53.226 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 426339

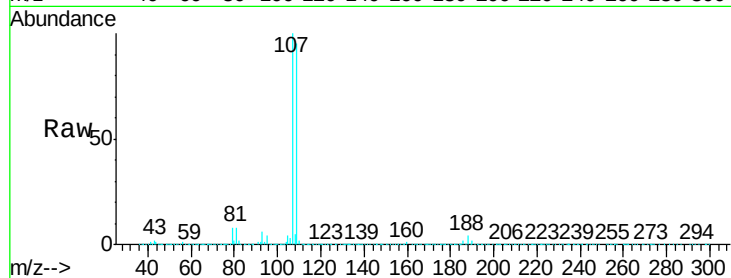
Ion Ratio Lower Upper

107 100

109 95.2 75.1 112.7

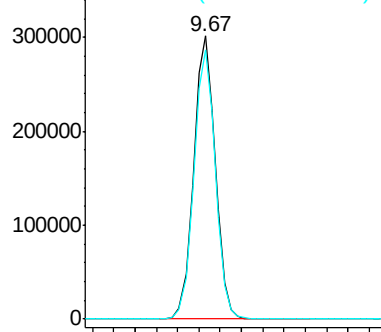
Manual Integrations
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MMDadoda
11/4/2019 1:30:06 PM

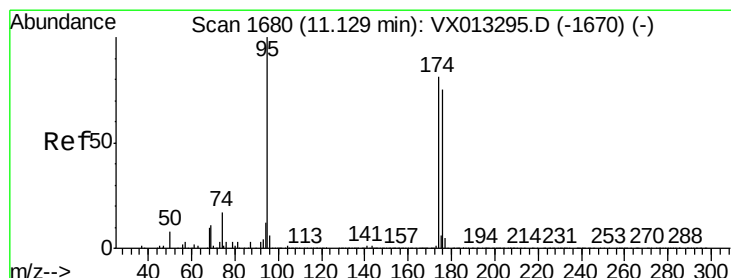
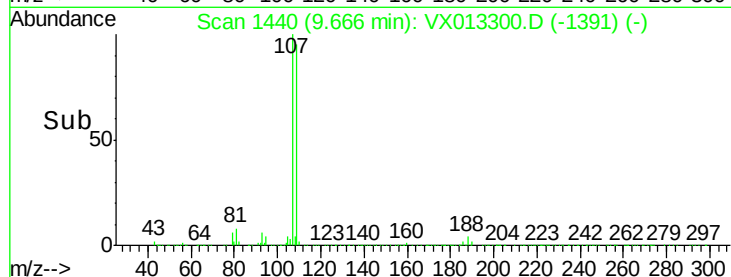


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.198 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

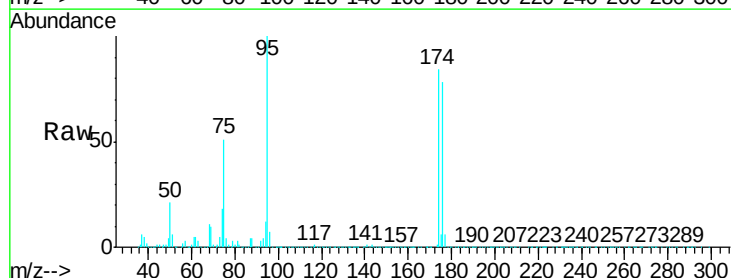
Tgt Ion: 95 Resp: 461328

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

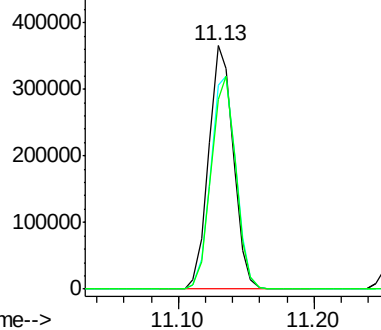
176 87.2 0.0 173.0



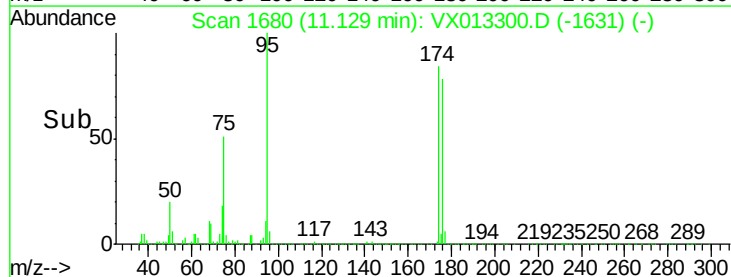
Abundance Ion 94.90 (94.60 to 95.60): VX0

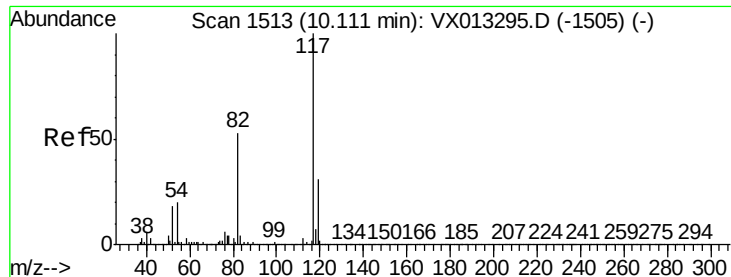
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





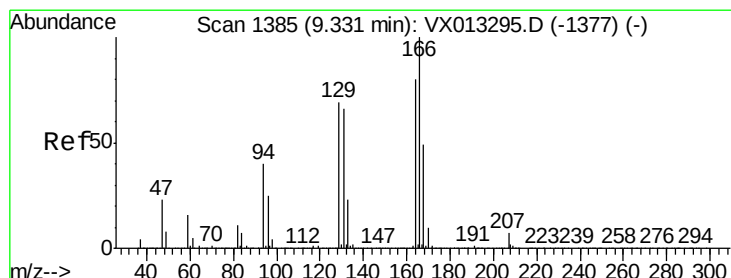
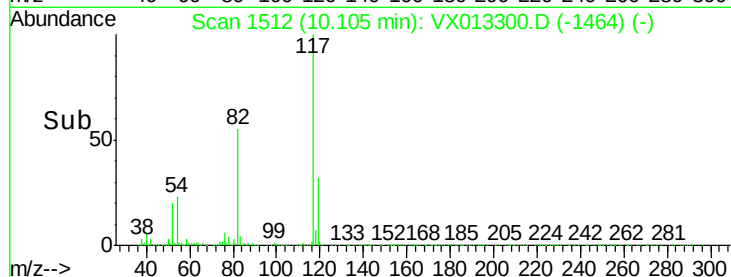
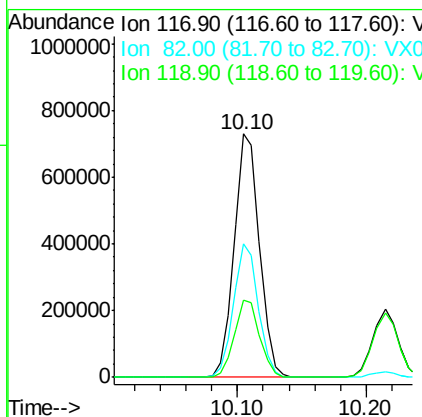
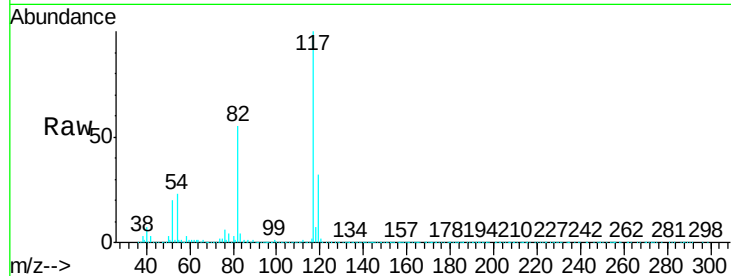
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.0	42.6	64.0
119	31.6	24.8	37.2

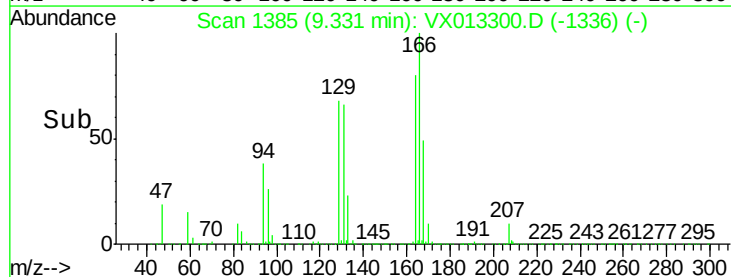
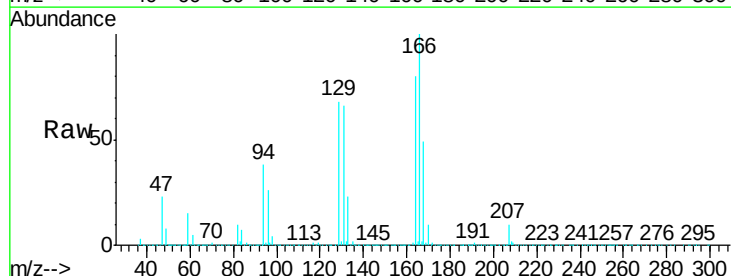
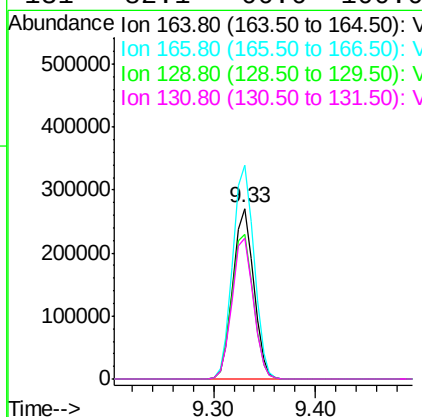
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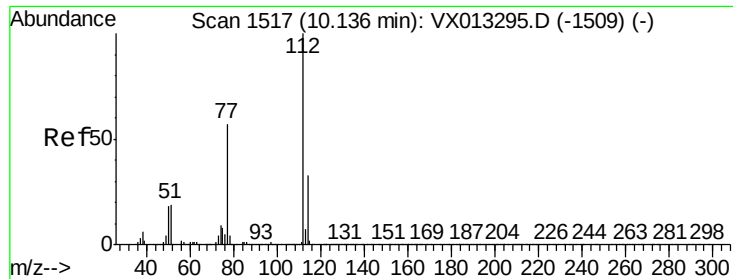
MMDadoda
11/4/2019 1:30:06 PM



#64
Tetrachloroethene
Concen: 53.620 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	125.0	100.4	150.6
129	84.7	69.4	104.2
131	82.1	66.6	100.0





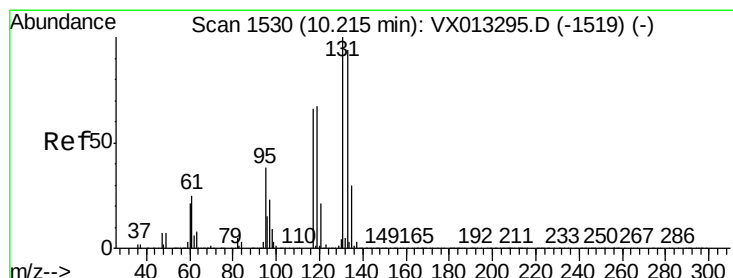
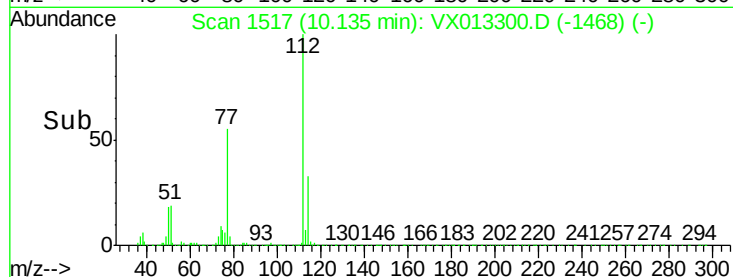
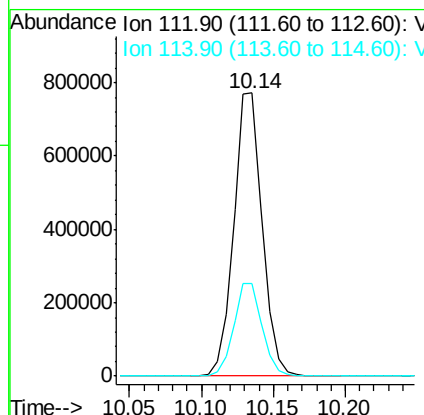
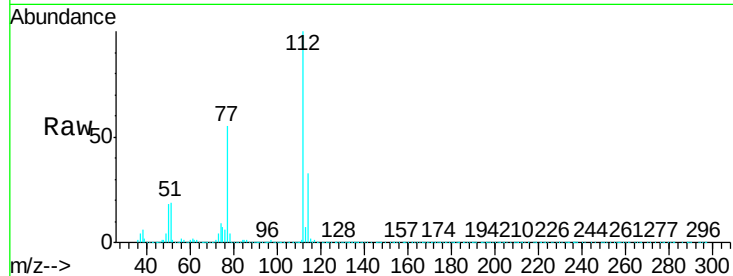
#65
Chlorobenzene
Concen: 52.785 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.4	39.6

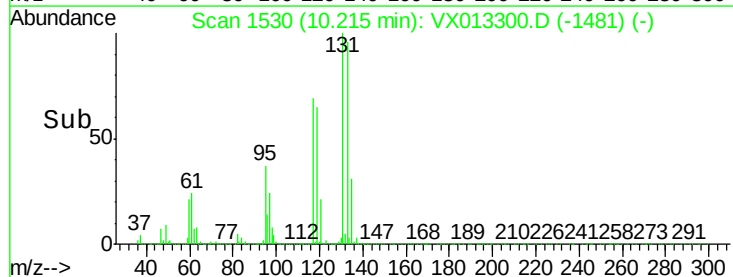
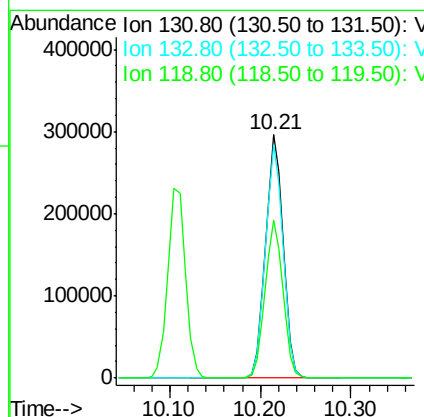
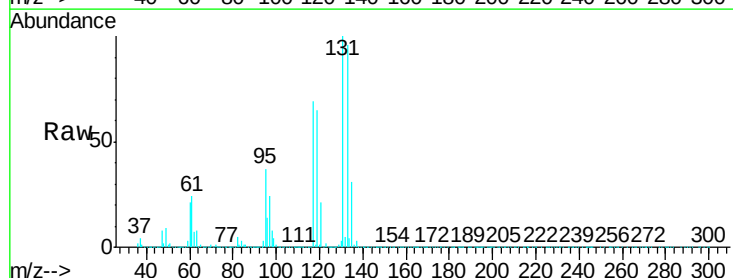
Manual Integrations
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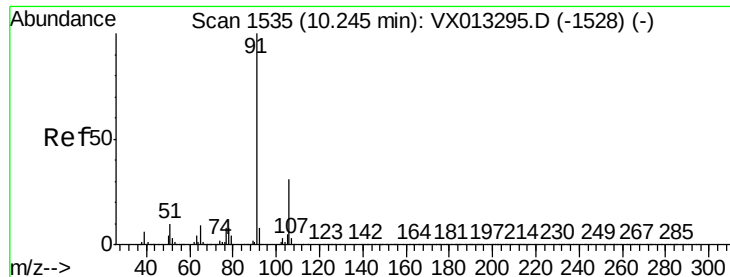
MMDadoda
11/4/2019 1:30:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.012 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.0	144.0
119	65.1	33.0	99.0





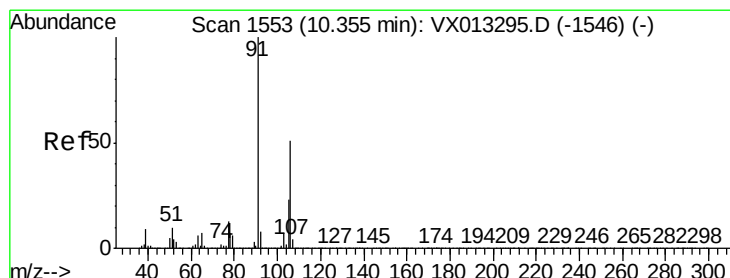
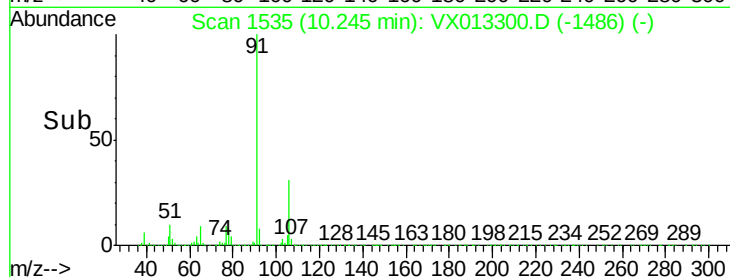
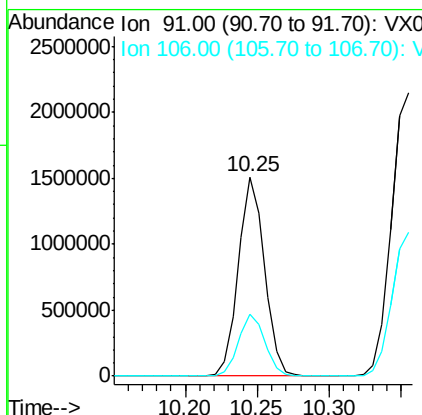
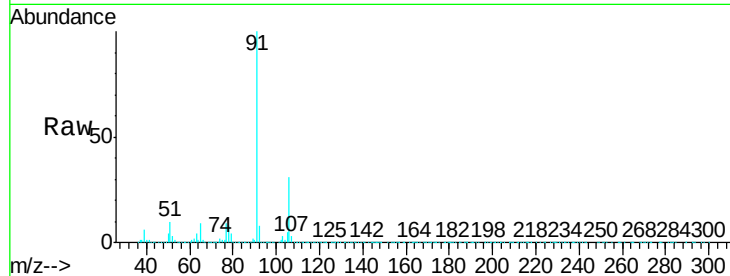
#67
Ethyl Benzene
Concen: 54.863 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1907663
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

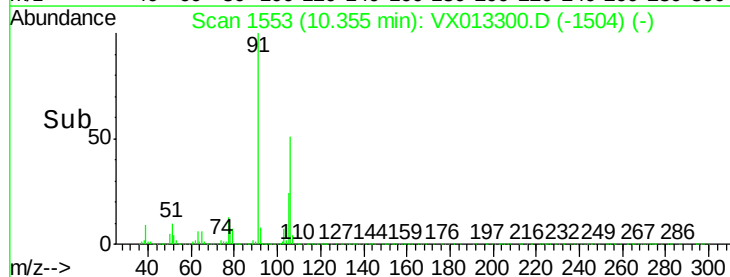
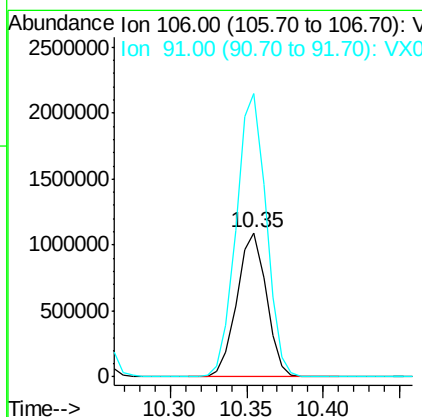
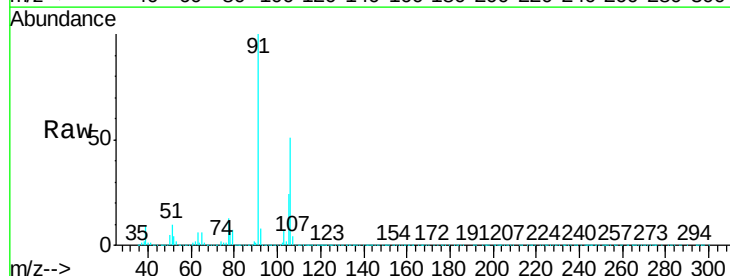
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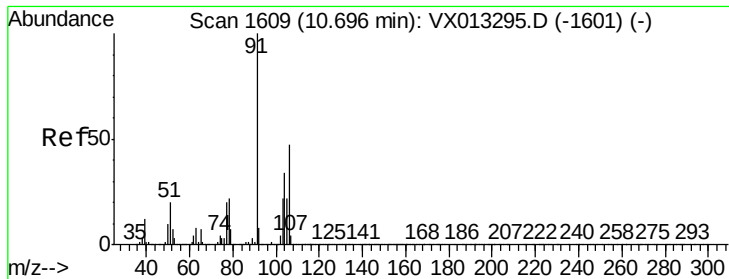
MMDadoda
11/4/2019 1:30:06 PM



#68
m/p-Xylenes
Concen: 111.030 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 106 Resp: 1460078
Ion Ratio Lower Upper
106 100
91 200.0 159.3 238.9





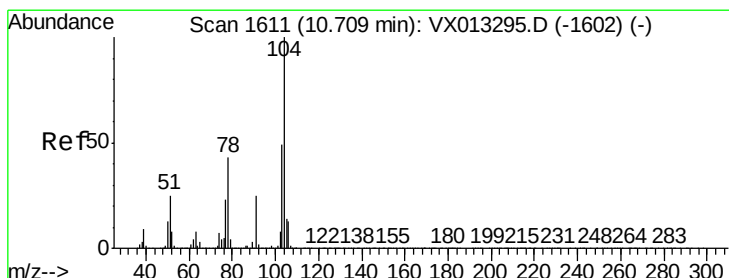
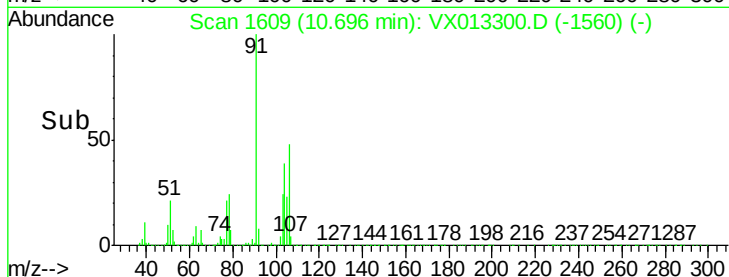
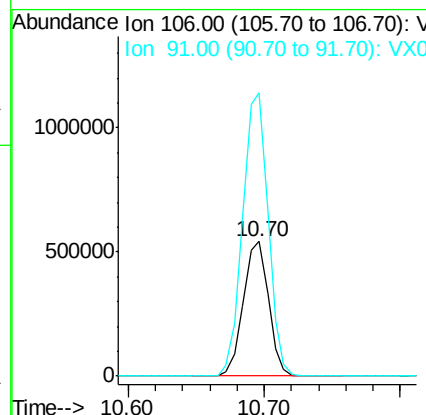
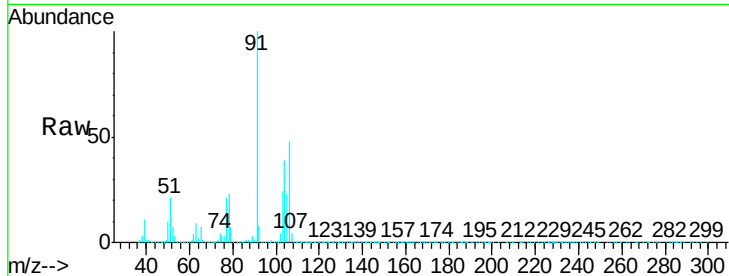
#69
o-Xylene
Concen: 54.392 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.5	105.7	317.0

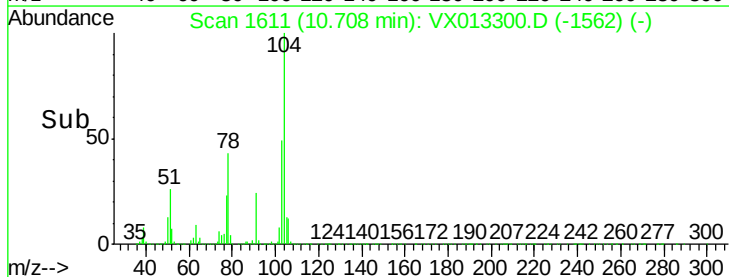
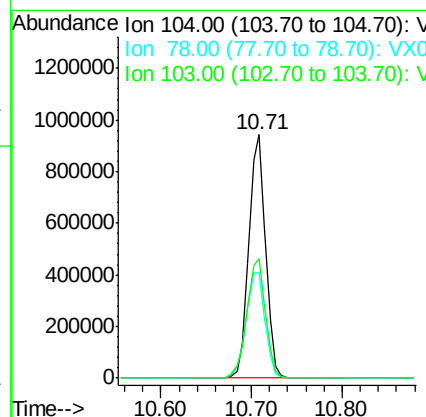
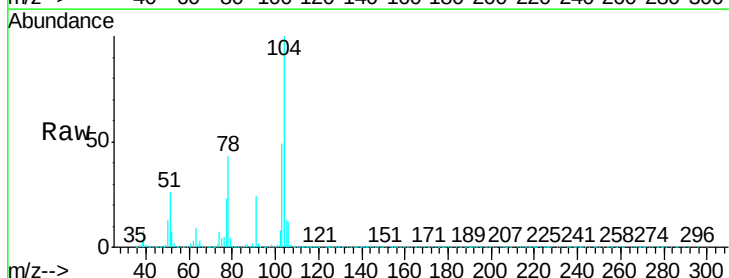
Manual Integrations
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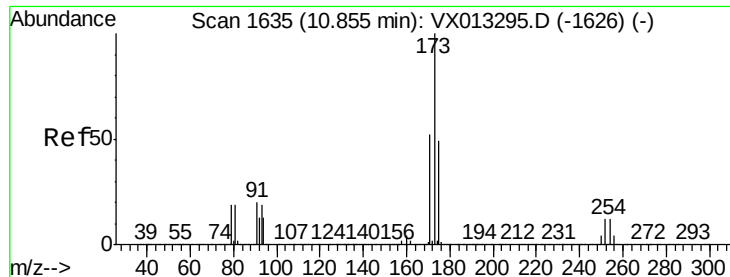
MMDadoda
11/4/2019 1:30:06 PM



#70
Styrene
Concen: 56.008 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.0	60.0
103	54.7	44.1	66.1





#71

Bromoform

Concen: 49.488 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 339190
Ion Ratio Lower Upper

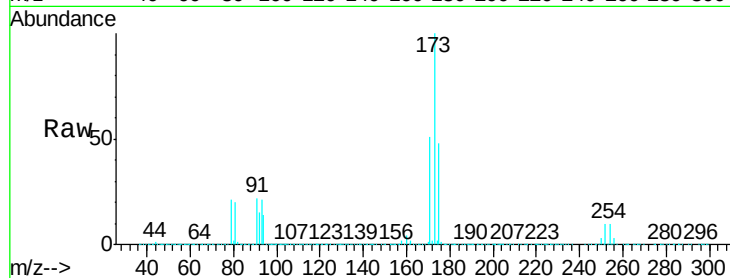
173 100

175 48.9 24.8 74.4

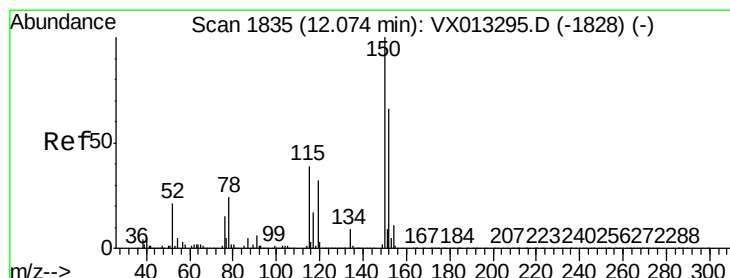
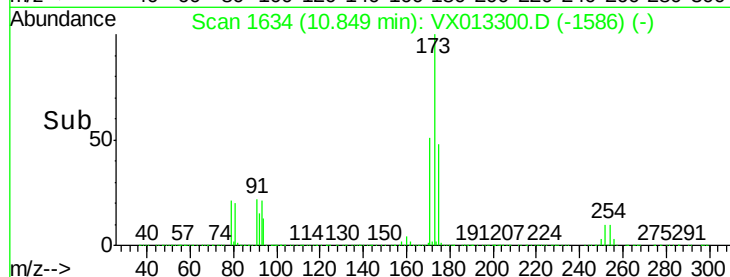
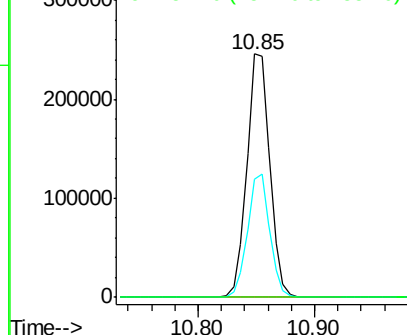
254 0.3 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013300.D

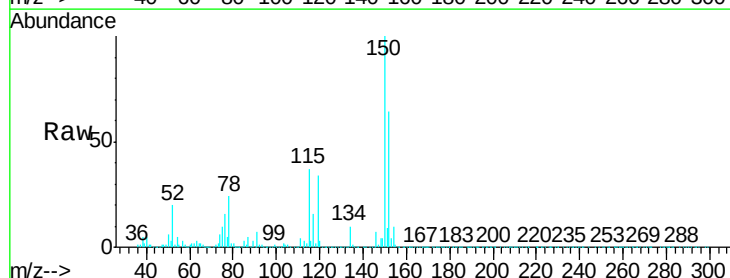
Acq: 01 Nov 2019 09:53

Tgt Ion:152 Resp: 524005
Ion Ratio Lower Upper

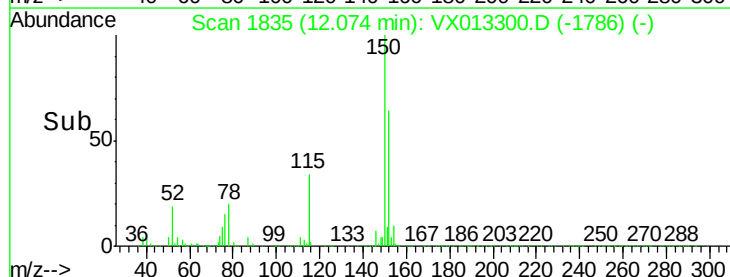
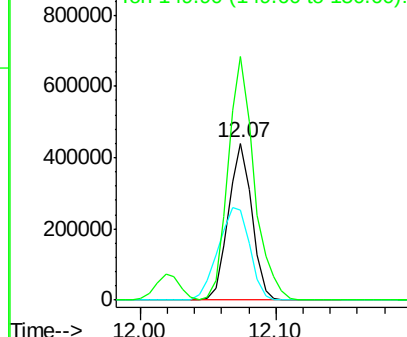
152 100

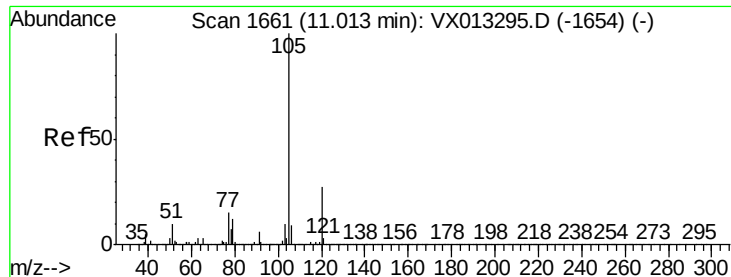
115 79.3 39.5 118.3

150 172.5 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





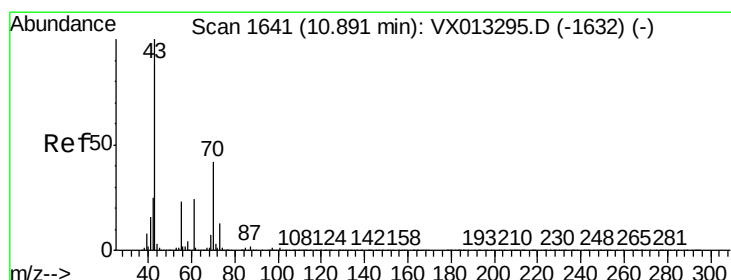
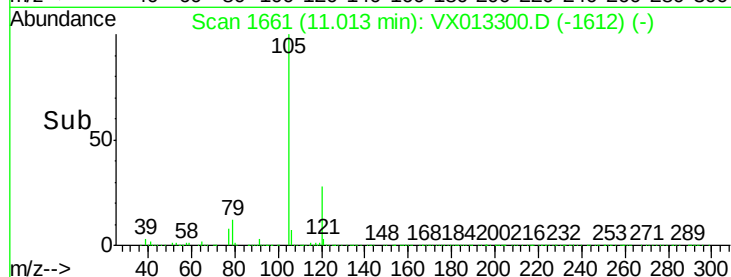
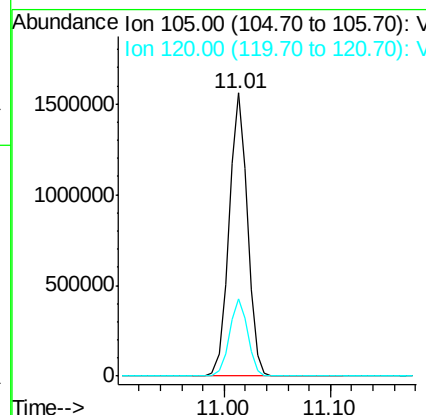
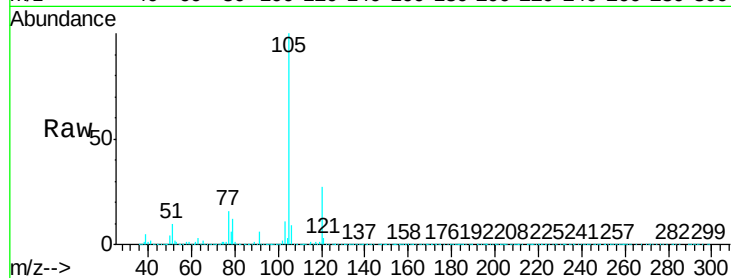
#73
Isopropylbenzene
Concen: 54.145 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 1881129
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.5

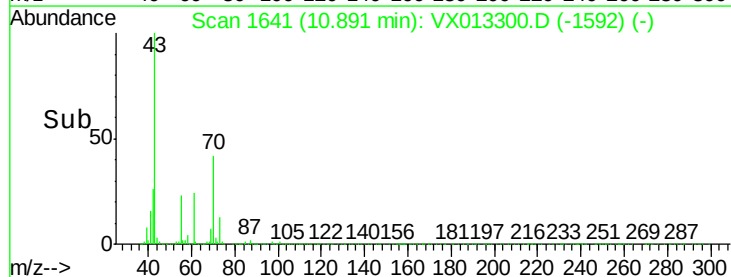
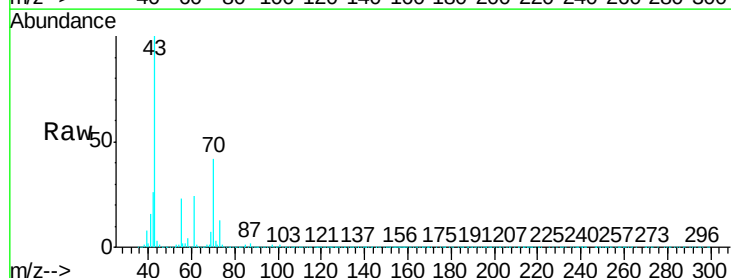
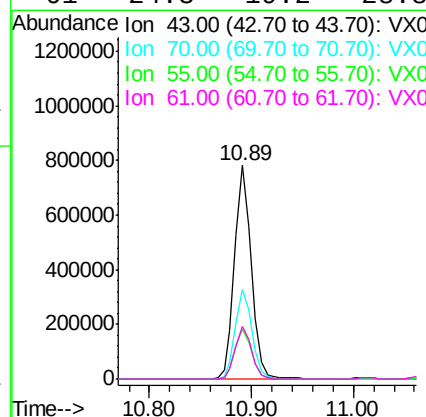
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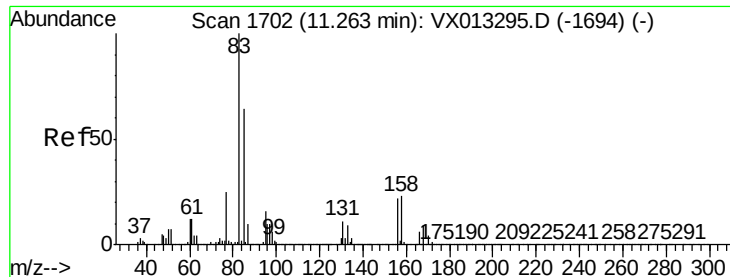
MMDadoda
11/4/2019 1:30:06 PM



#74
N-ethyl acetate
Concen: 54.651 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 43 Resp: 880473
Ion Ratio Lower Upper
43 100
70 42.0 34.1 51.1
55 23.5 18.9 28.3
61 24.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.021 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 633990

Ion Ratio Lower Upper

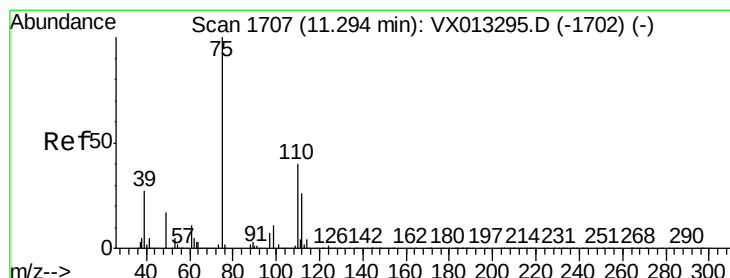
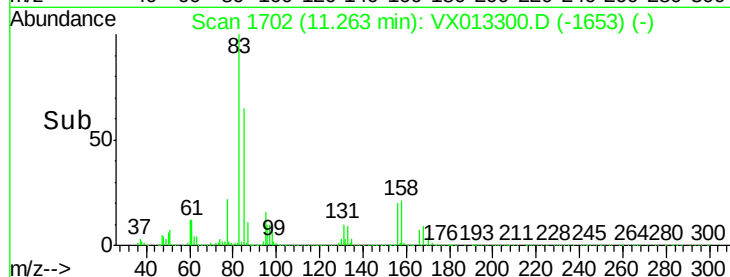
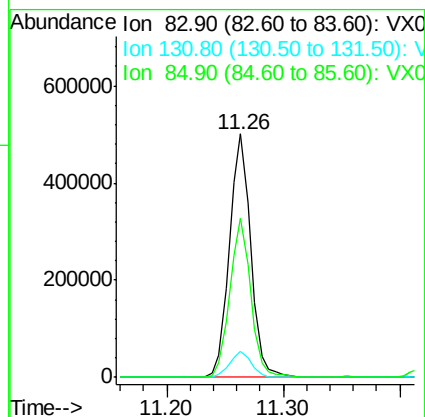
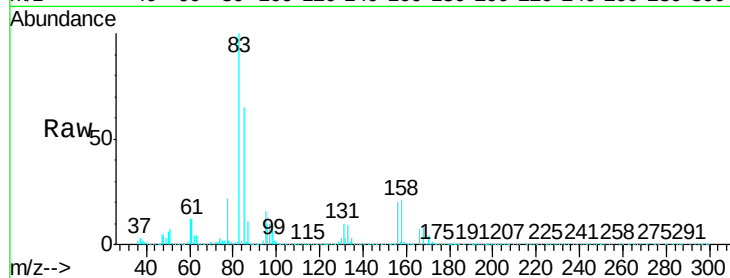
83 100

131 10.6 5.1 15.3

85 64.4 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 48.366 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013300.D

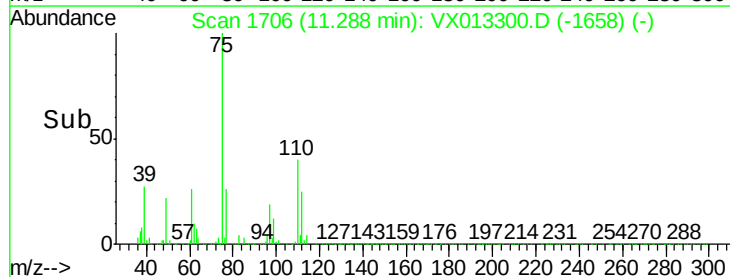
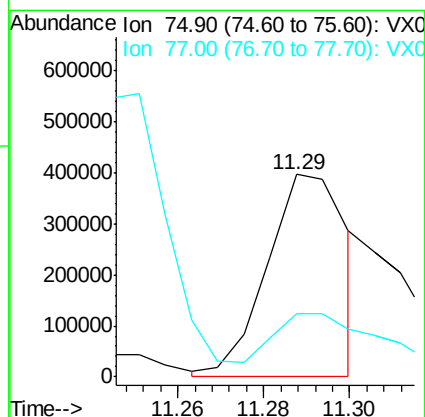
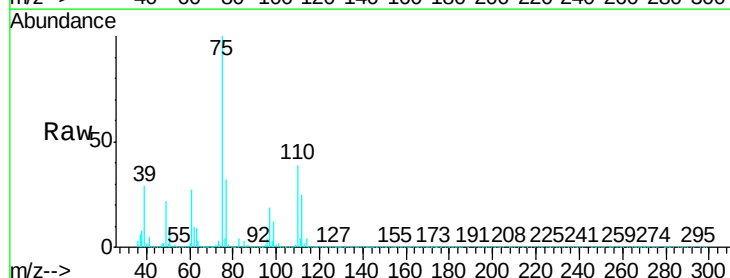
Acq: 01 Nov 2019 09:53

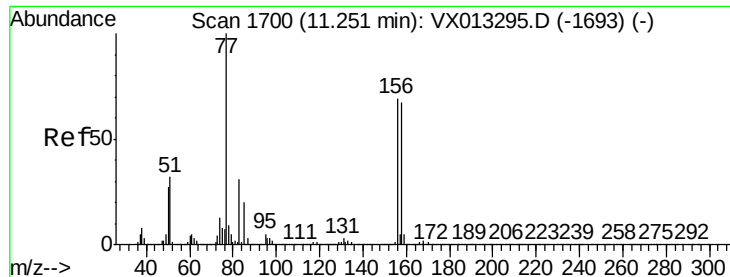
Tgt Ion: 75 Resp: 514774

Ion Ratio Lower Upper

75 100

77 43.5 22.3 66.8





#77

Bromobenzene

Concen: 53.245 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

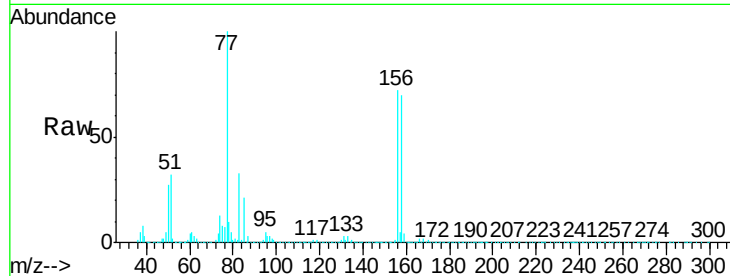
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.3	75.8	227.4
158	97.7	47.6	142.8

Manual Integrations
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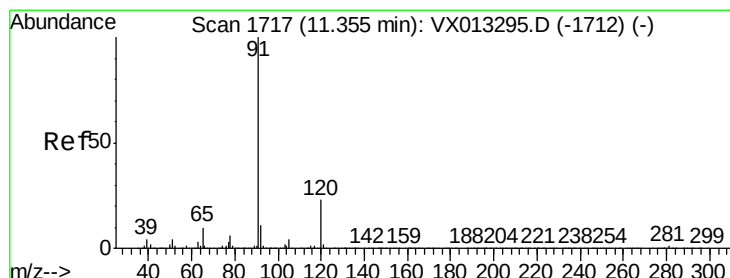
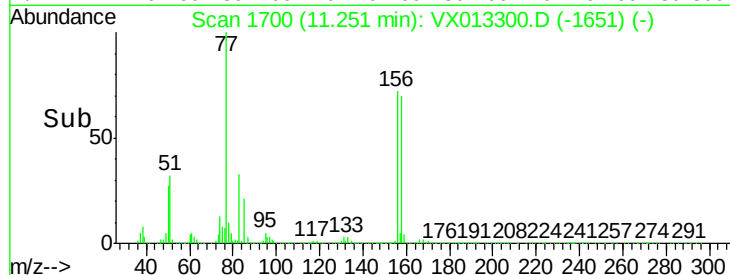
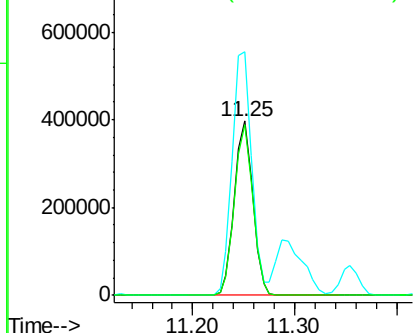
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.352 ug/l

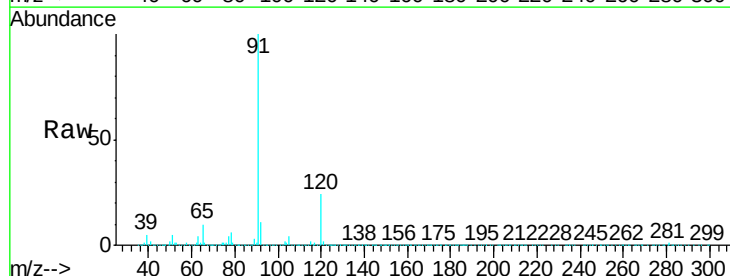
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013300.D

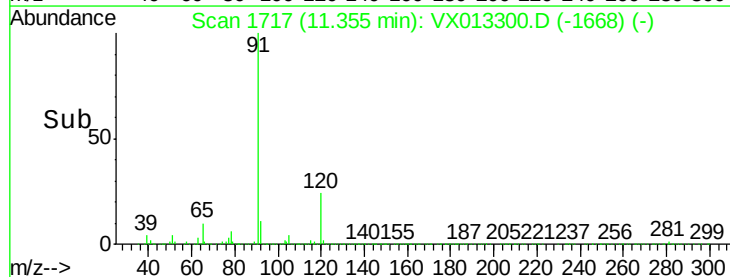
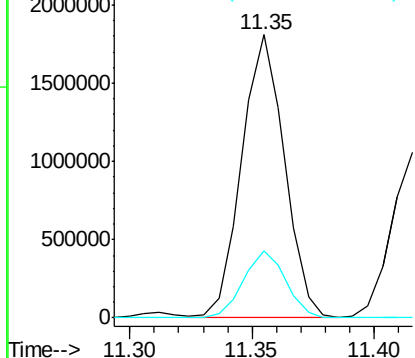
Acq: 01 Nov 2019 09:53

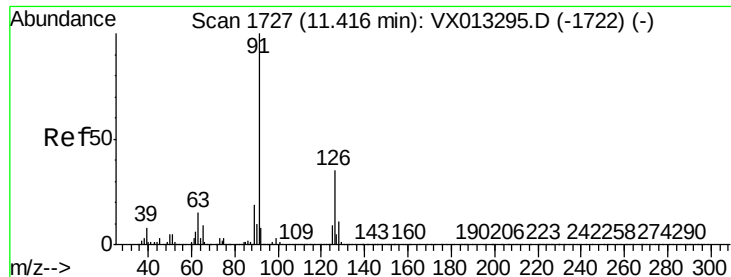
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.198 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1263741

Ion Ratio Lower Upper

91 100

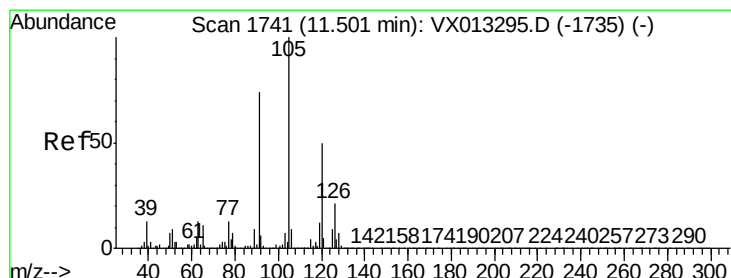
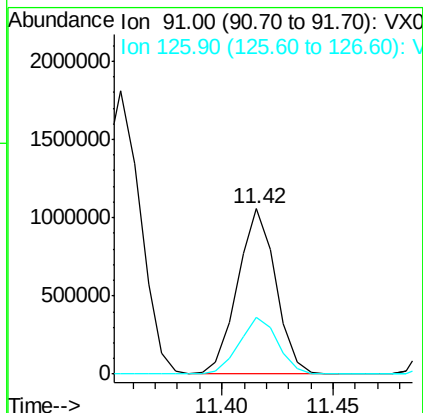
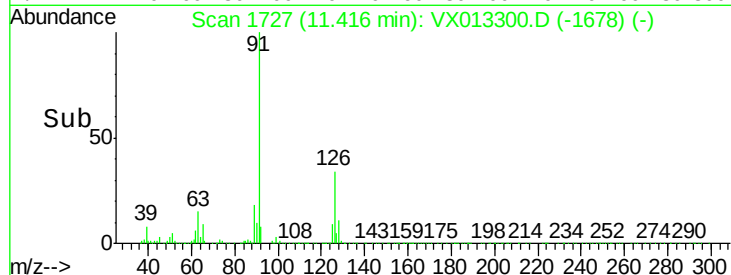
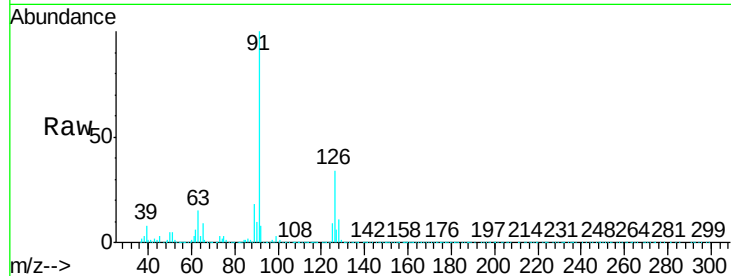
126 34.8 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.424 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013300.D

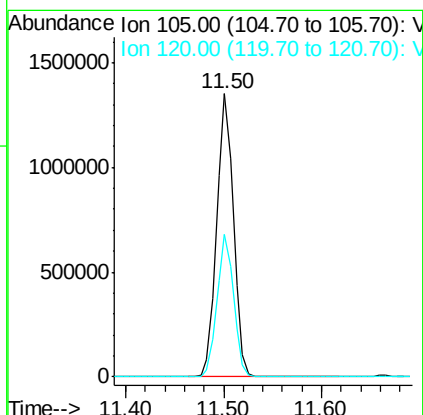
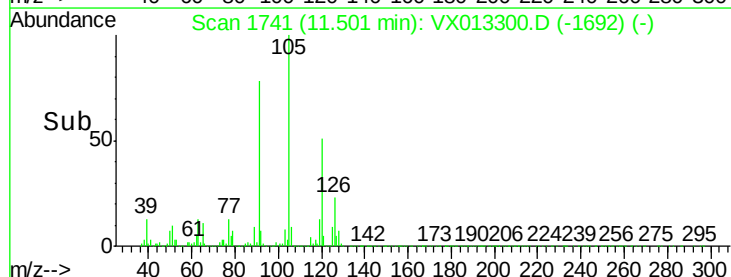
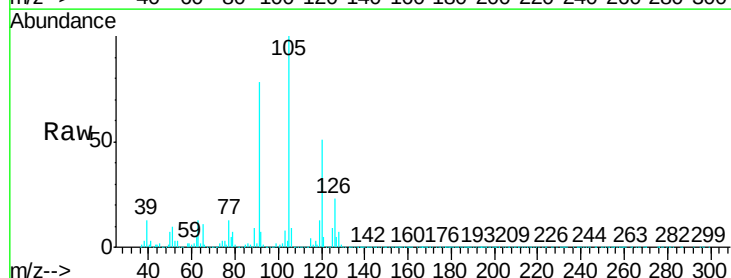
Acq: 01 Nov 2019 09:53

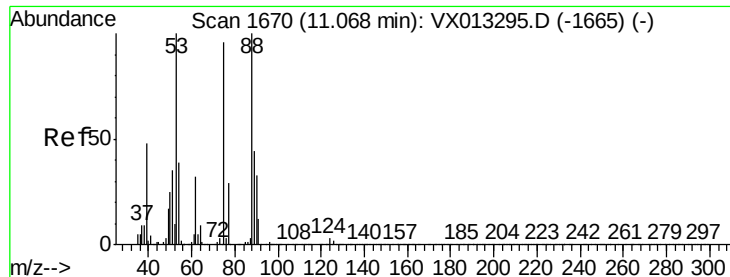
Tgt Ion: 105 Resp: 1603887

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.736 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

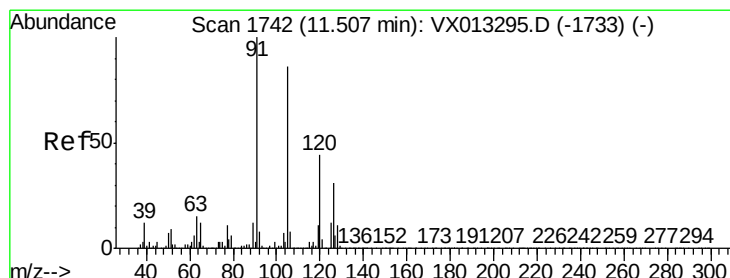
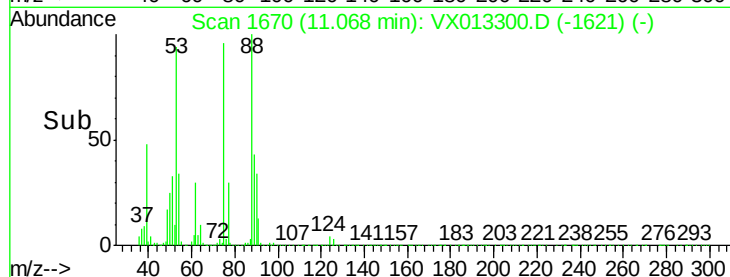
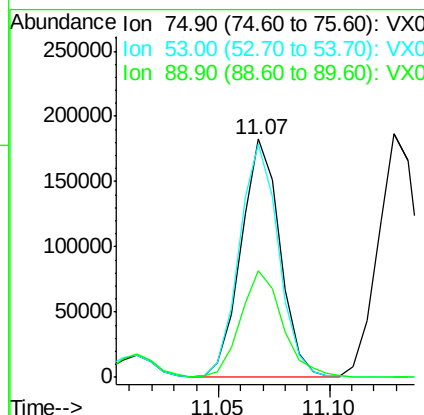
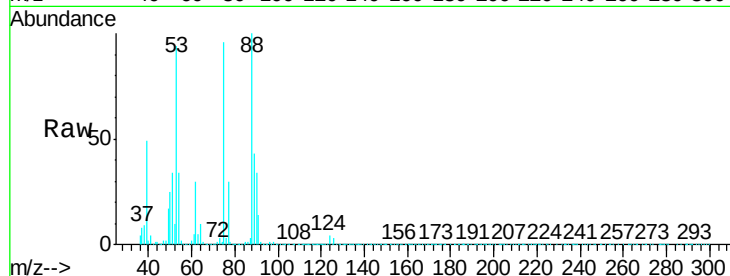
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222194		
53	98.9	81.0	121.6	
89	48.6	36.0	54.0	

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.477 ug/l

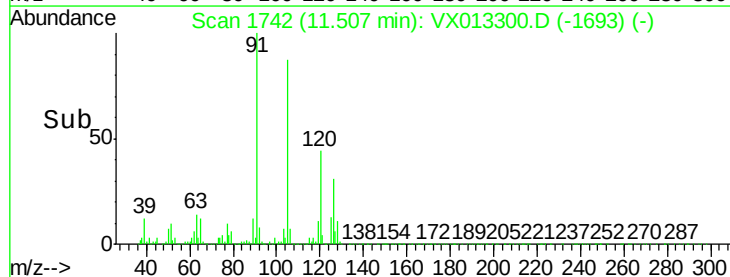
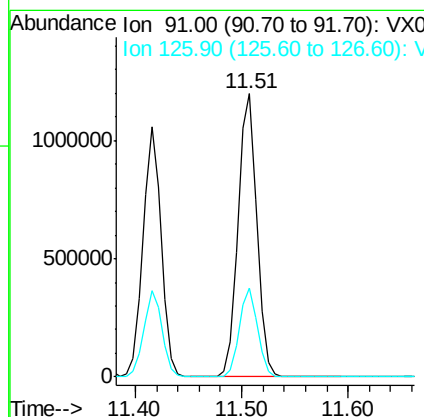
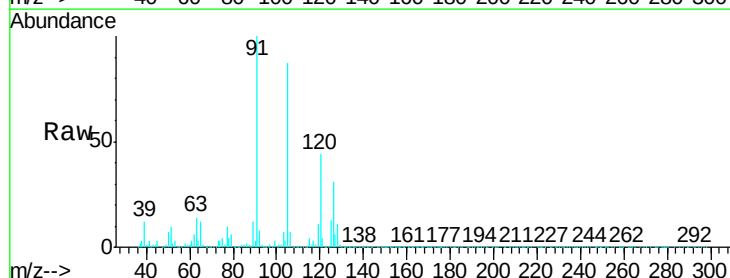
RT: 11.51 min Scan# 1742

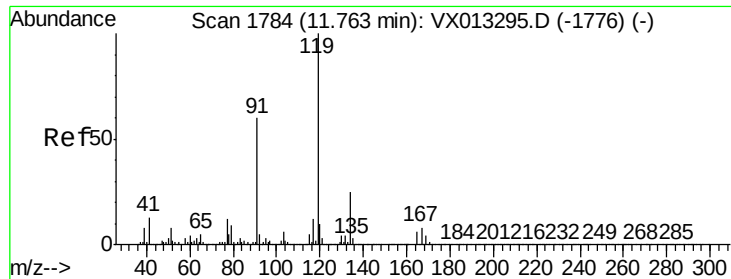
Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1486947		
126	30.5	15.3	45.8	





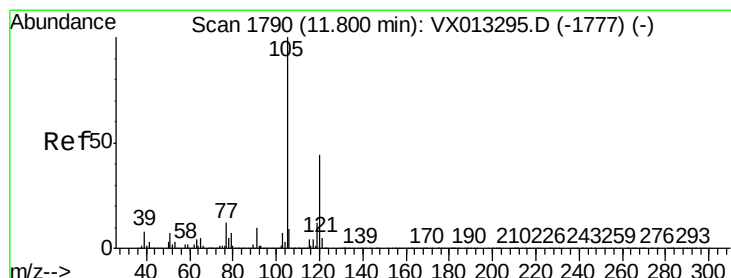
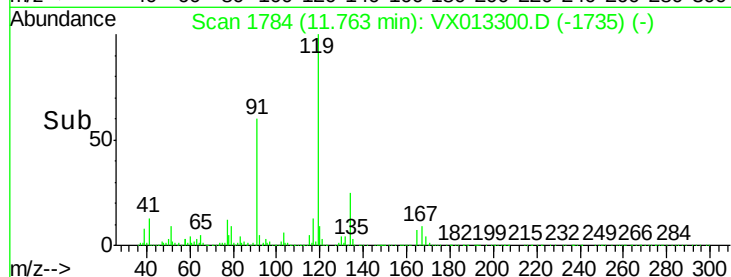
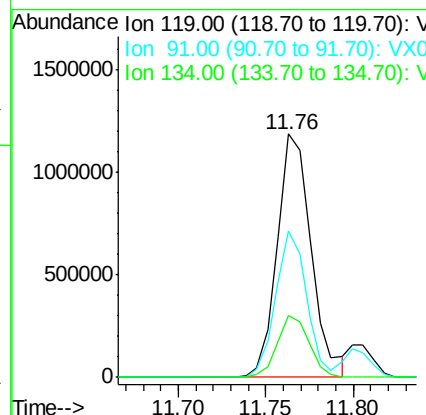
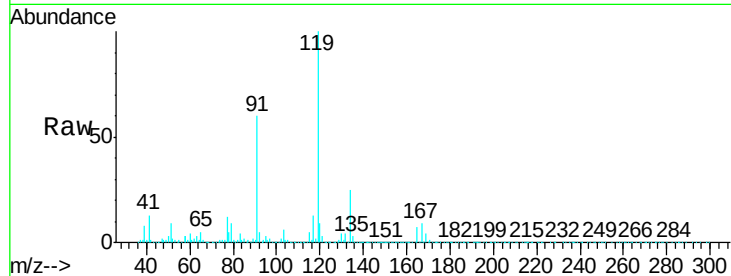
#83
 tert-Butylbenzene
 Concen: 55.250 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	54.7	26.9	80.7
134	23.6	11.7	35.1

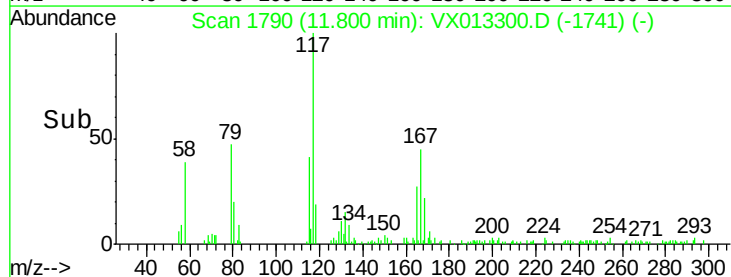
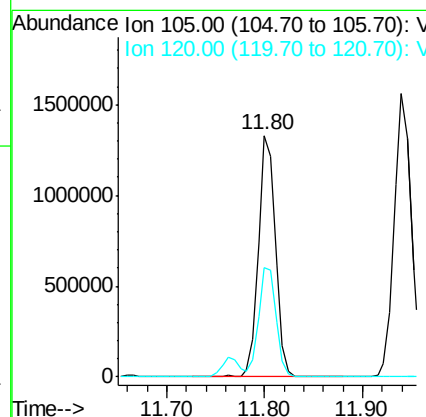
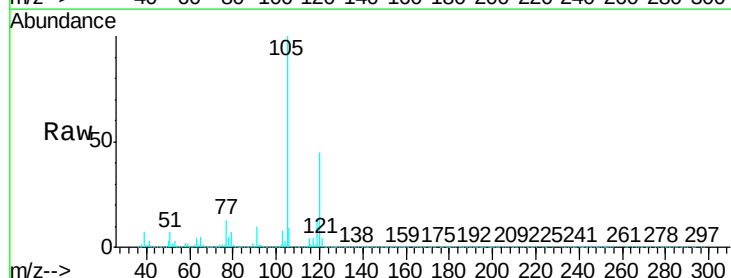
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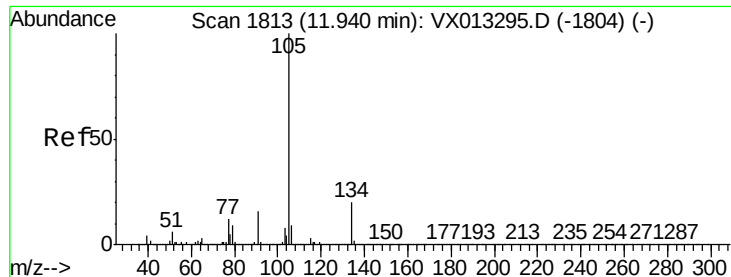
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.395 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.7	68.1





#85

sec-Butylbenzene

Concen: 56.186 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1881102

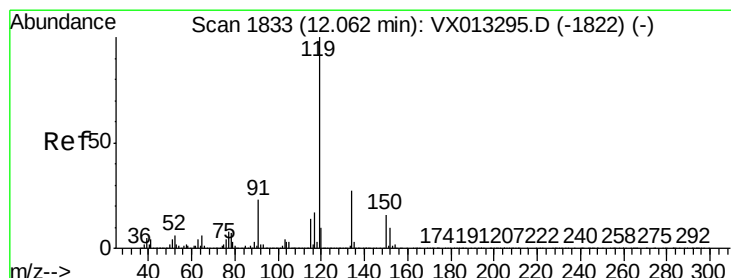
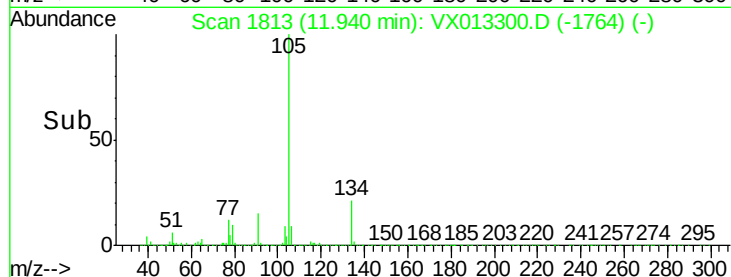
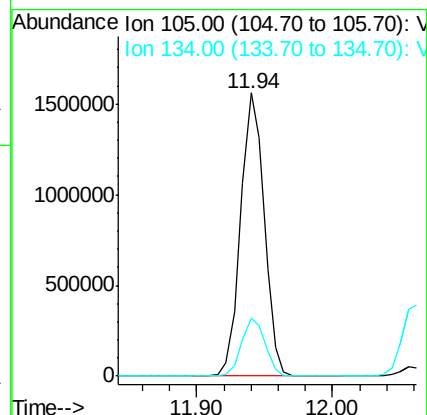
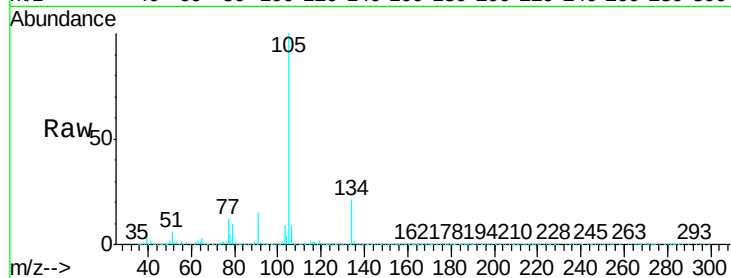
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 57.185 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013300.D

Acq: 01 Nov 2019 09:53

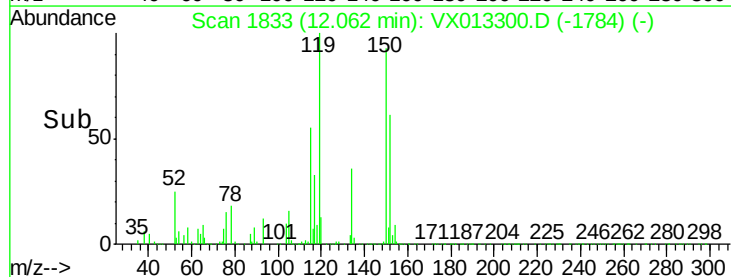
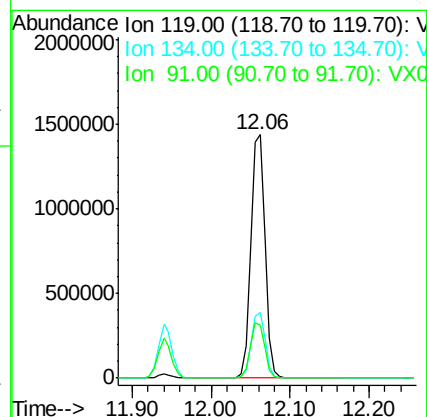
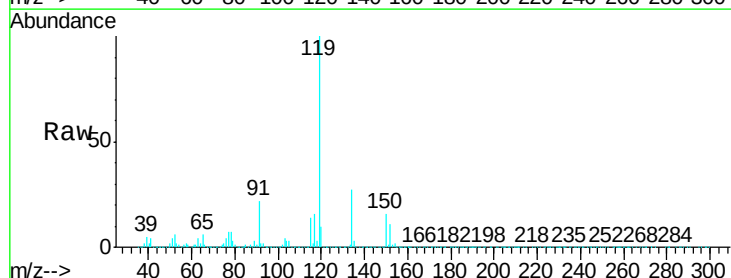
Tgt Ion:119 Resp: 1762967

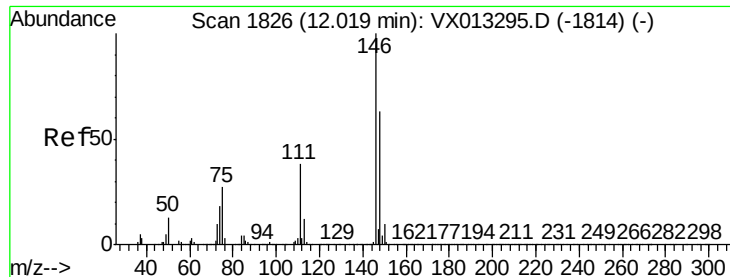
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.9 11.5 34.4





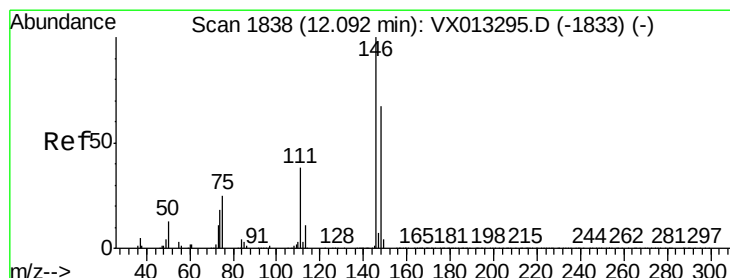
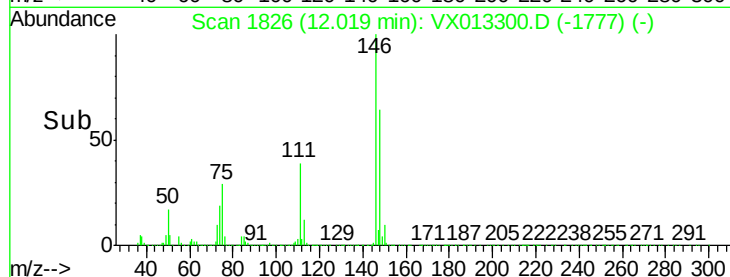
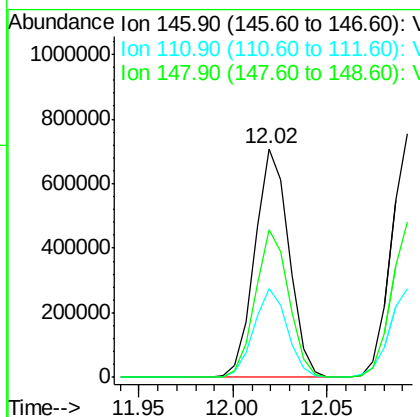
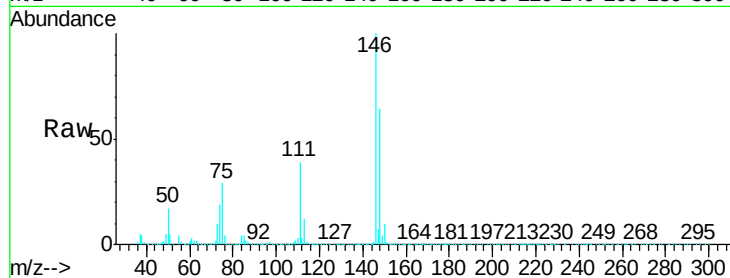
#87
 1,3-Dichlorobenzene
 Concen: 53.741 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	887240		
111	38.1	18.9	56.5	
148	63.5	31.9	95.7	

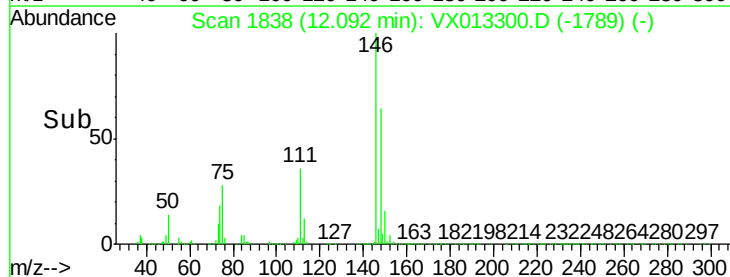
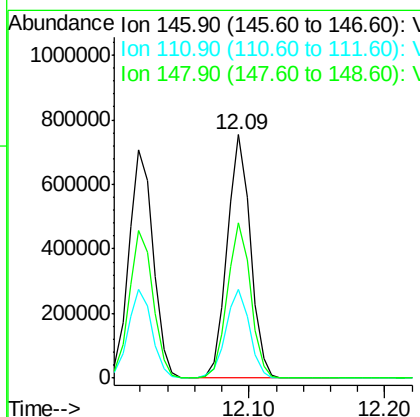
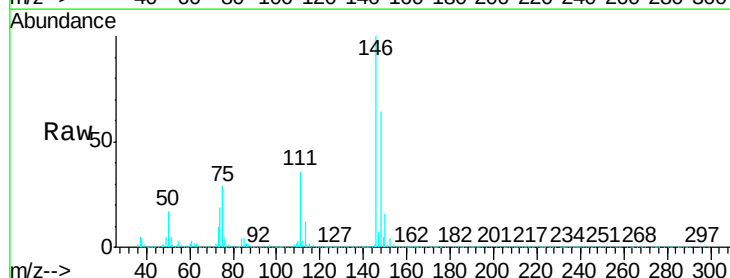
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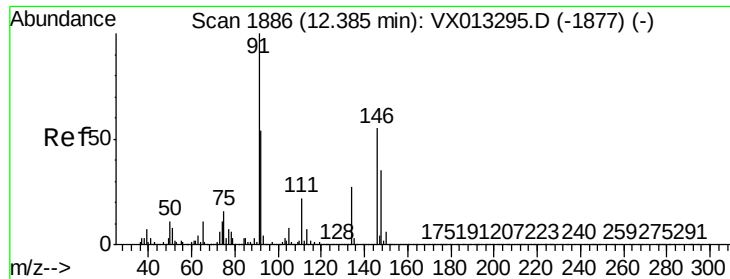
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#88
 1,4-Dichlorobenzene
 Concen: 53.108 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	893311		
111	37.1	18.8	56.4	
148	63.7	32.4	97.0	





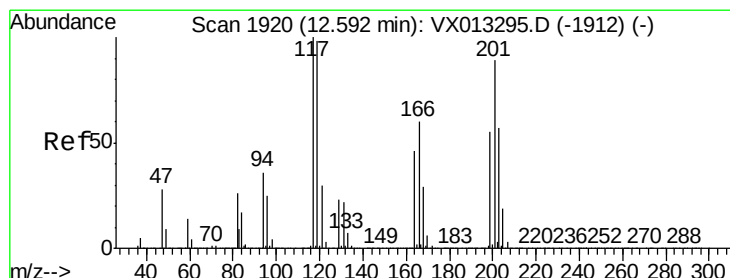
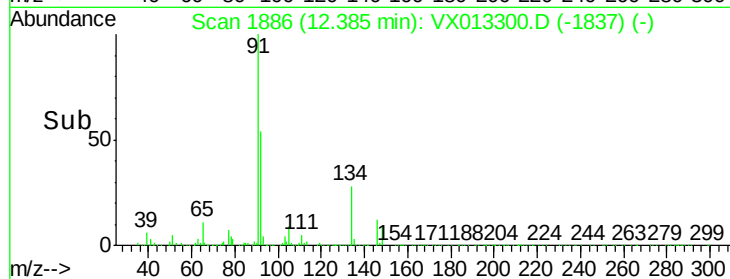
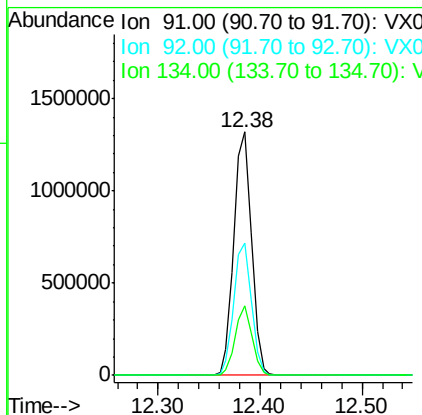
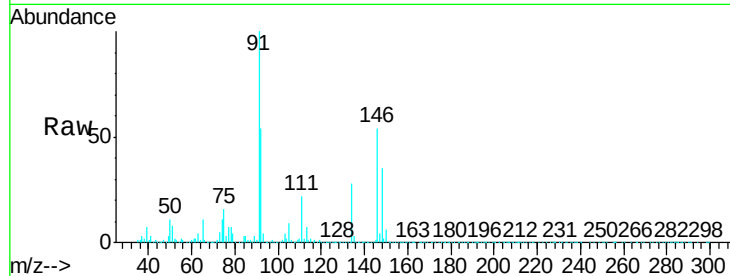
#89
n-Butylbenzene
Concen: 58.285 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1567902
Ion Ratio Lower Upper
91 100
92 54.5 27.3 81.8
134 27.0 13.5 40.5

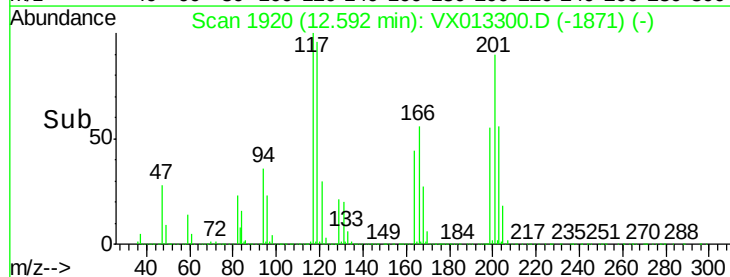
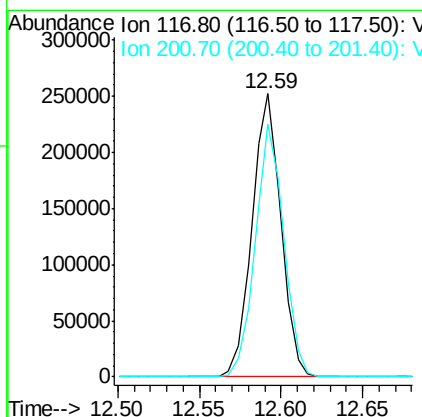
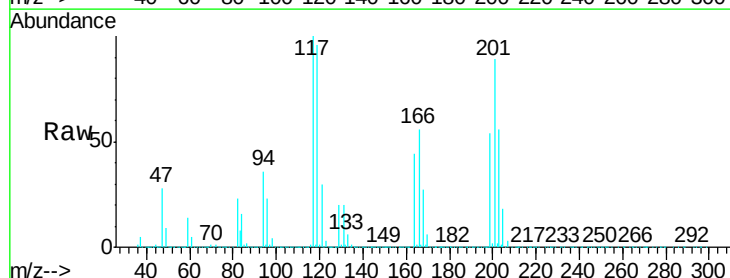
Manual Integrations
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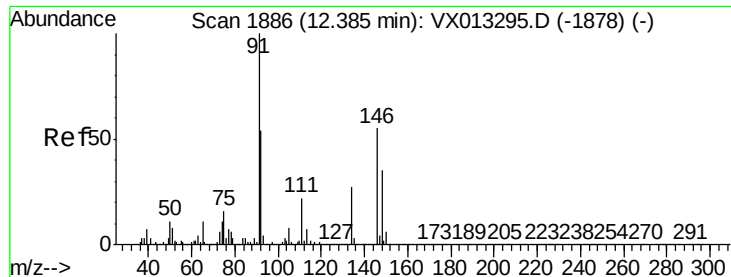
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#90
Hexachloroethane
Concen: 56.500 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion: 117 Resp: 310343
Ion Ratio Lower Upper
117 100
201 88.4 43.9 131.7





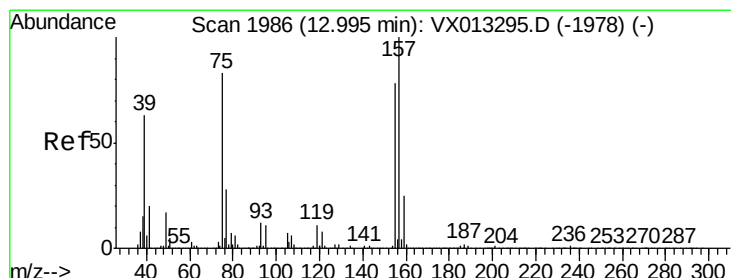
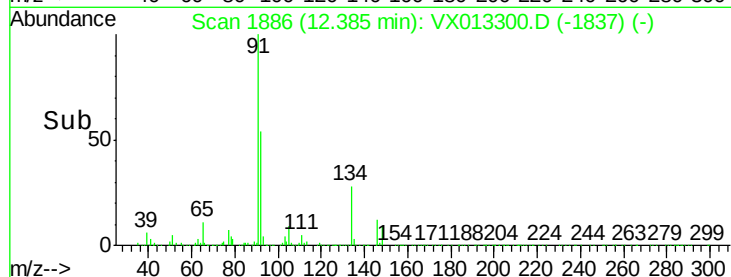
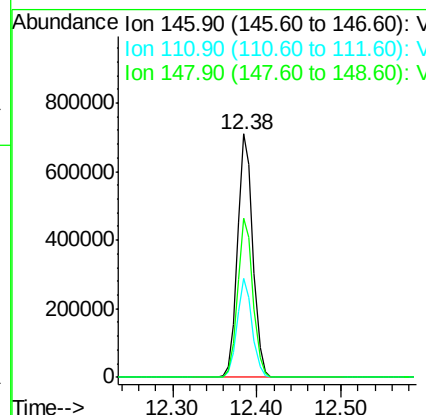
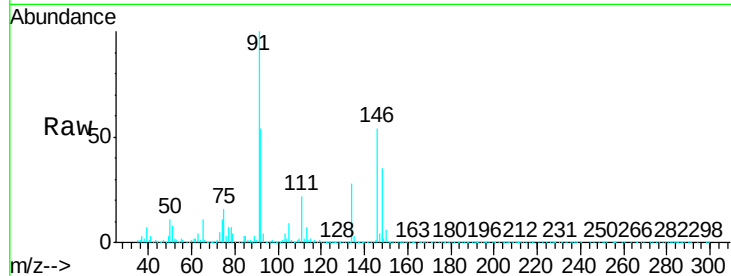
#91
 1,2-Dichlorobenzene
 Concen: 52.918 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	873290		
111	39.5	20.1	60.2	
148	64.9	32.0	96.0	

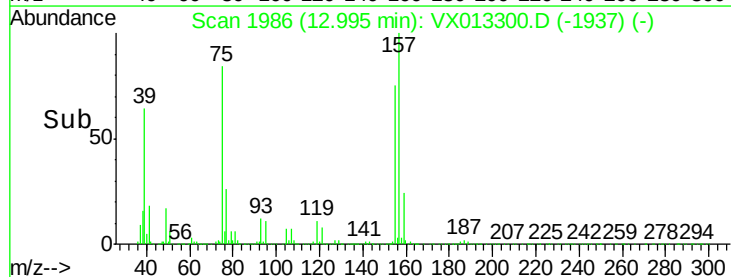
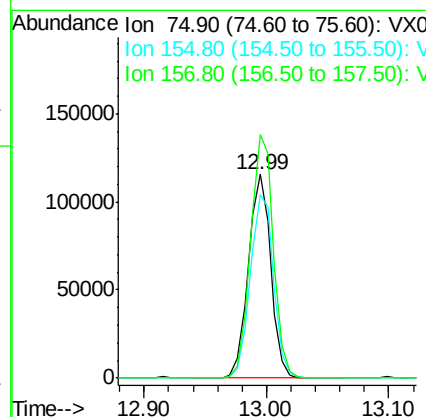
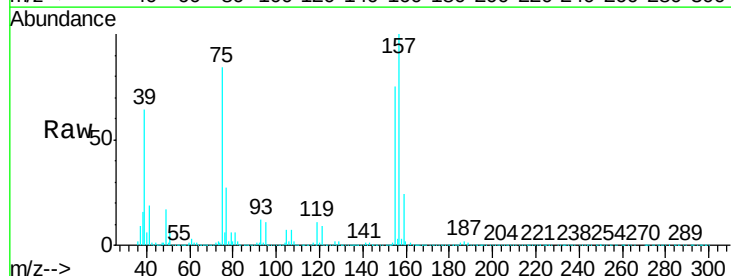
Manual Integrations
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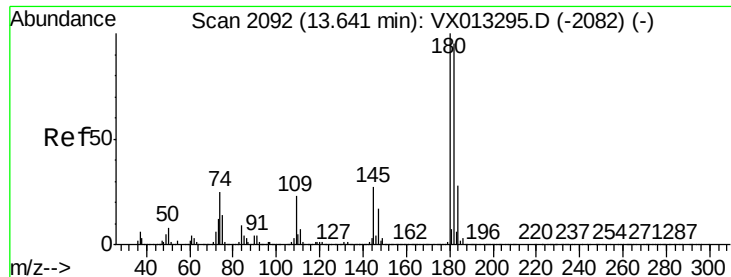
MMDadoda
 11/4/2019 1:30:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.520 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013300.D
 Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146738		
155	94.0	47.1	141.4	
157	121.6	61.3	183.8	





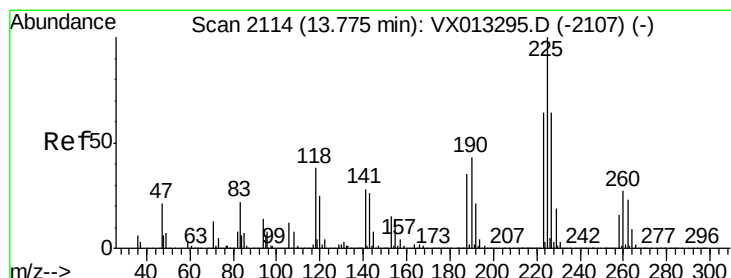
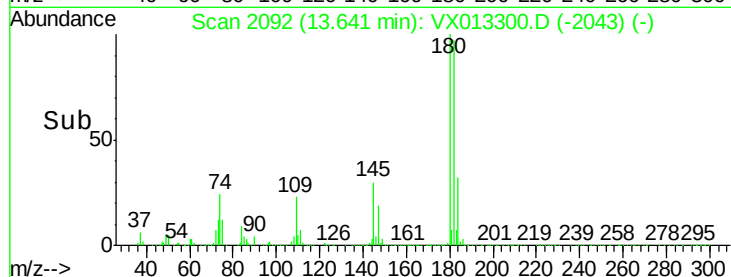
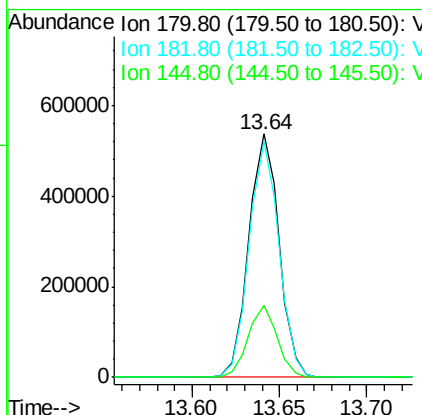
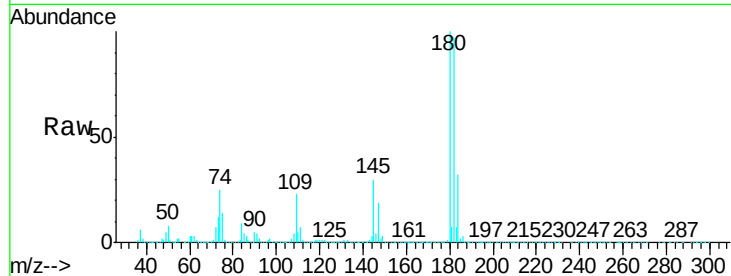
#93
1,2,4-Trichlorobenzene
Concen: 56.091 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	645686		
182	96.1	48.4	145.0	
145	28.6	14.1	42.4	

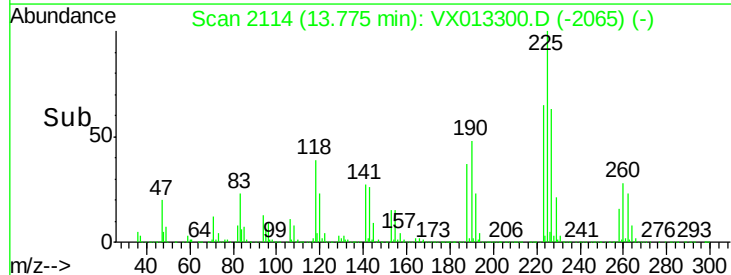
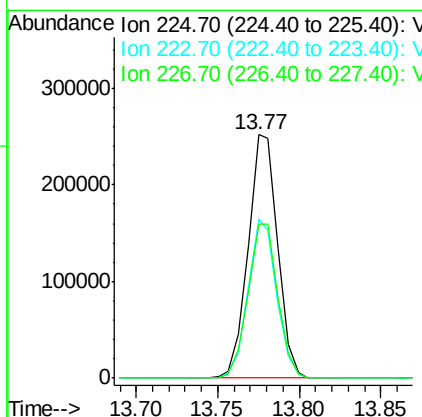
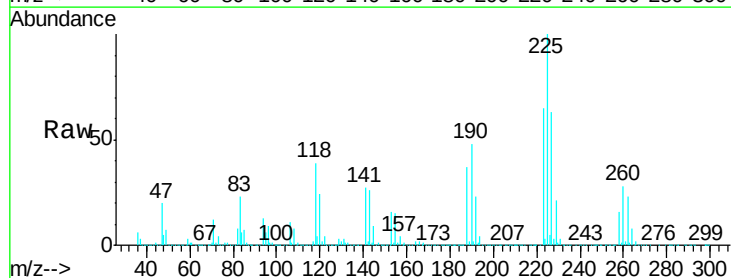
Manual Integrations
APPROVED

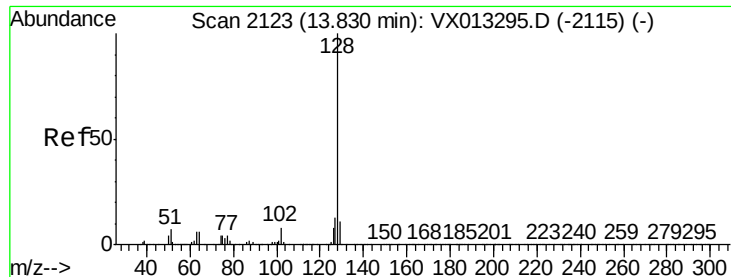
MMDadoda
11/4/2019 1:30:06 PM



#94
Hexachlorobutadiene
Concen: 56.407 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	317673		
223	63.4	31.9	95.7	
227	64.1	31.9	95.9	





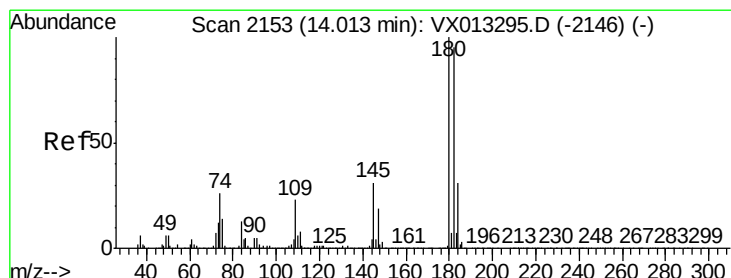
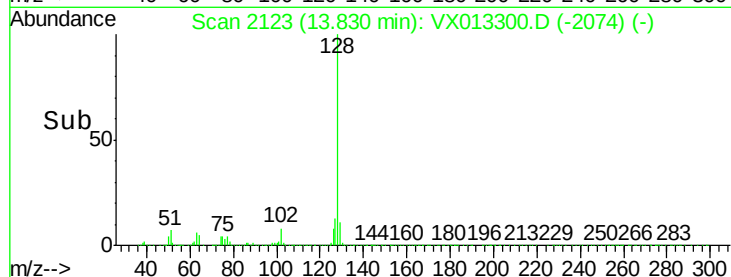
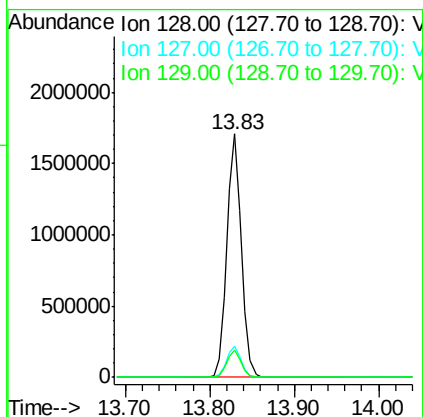
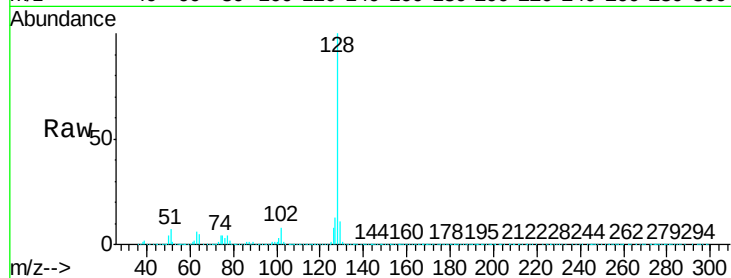
#95
Naphthalene
Concen: 56.059 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/4/2019 1:30:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.330 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013300.D
Acq: 01 Nov 2019 09:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	30.0	15.4	46.4

