

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX103119\
 Data File : VX013297.D
 Acq On : 31 Oct 2019 18:15
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:41:18 PM

Quant Time: Nov 02 05:53:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	687523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1072083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	985335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	546736	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	1229472	163.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.20%	
35) Dibromofluoromethane	5.49	113	999807	147.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.34%	
50) Toluene-d8	8.71	98	3769465	147.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.24%	
62) 4-Bromofluorobenzene	11.14	95	1440446	154.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	1249911	189.950	ug/l	98
3) Chloromethane	1.31	50	1318107	195.340	ug/l	98
4) Vinyl Chloride	1.40	62	1502150	212.693	ug/l	100
5) Bromomethane	1.62	94	1086242	252.006	ug/l	99
6) Chloroethane	1.69	64	826537	187.257	ug/l	98
7) Trichlorofluoromethane	1.91	101	1715841	156.154	ug/l	99
8) Diethyl Ether	2.18	74	757447	188.884	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	972851	154.980	ug/l	100
10) Methyl Iodide	2.49	142	1324626	163.147	ug/l	99
11) Tert butyl alcohol	3.06	59	1568321	877.832	ug/l	100
12) 1,1-Dichloroethene	2.36	96	988675	160.240	ug/l	100
13) Acrolein	2.28	56	888096	858.625	ug/l	98
14) Allyl chloride	2.71	41	1779286	190.087	ug/l	98
15) Acrylonitrile	3.14	53	3199252	892.171	ug/l	100
16) Acetone	2.44	43	2985213	863.394	ug/l	100
17) Carbon Disulfide	2.55	76	2746603	172.277	ug/l	99
18) Methyl Acetate	2.76	43	1779148	213.785	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	3308526	163.805	ug/l	98
20) Methylene Chloride	2.84	84	1096677	154.579	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	1062674	161.438	ug/l	96
22) Diisopropyl ether	3.84	45	3462280	176.760	ug/l	100
23) Vinyl Acetate	3.80	43	14733231	893.005	ug/l	98
24) 1,1-Dichloroethane	3.68	63	1901091	169.251	ug/l	99
25) 2-Butanone	4.67	43	4687098	937.442	ug/l	99
26) 2,2-Dichloropropane	4.57	77	1530853	167.367	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	1200706	157.170	ug/l	99
28) Bromochloromethane	5.00	49	525509	106.846	ug/l	98
29) Tetrahydrofuran	5.12	42	2970809	936.870	ug/l	100
30) Chloroform	5.20	83	1878352	156.758	ug/l	97
31) Cyclohexane	5.56	56	1704276	166.740	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	1654515	160.741	ug/l	99
36) 1,1-Dichloropropene	5.79	75	1439217	160.601	ug/l	100
37) Ethyl Acetate	4.83	43	1773947	187.652	ug/l	99
38) Carbon Tetrachloride	5.77	117	1451718	157.525	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103119\
 Data File : VX013297.D
 Acq On : 31 Oct 2019 18:15
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 3:41:18 PM

Quant Time: Nov 02 05:53:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 06:36:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	1759207	153.442	ug/l	98
40) Benzene	6.13	78	4261451	155.670	ug/l	100
41) Methacrylonitrile	5.03	41	994390	183.689	ug/l	98
42) 1,2-Dichloroethane	6.18	62	1553136	160.430	ug/l	99
43) Isopropyl Acetate	6.43	43	2848136	183.741	ug/l	100
44) Trichloroethene	7.20	130	1184534	148.139	ug/l	98
45) 1,2-Dichloropropane	7.51	63	1098767	157.082	ug/l	100
46) Dibromomethane	7.65	93	749658	151.685	ug/l	98
47) Bromodichloromethane	7.89	83	1519792	170.564	ug/l	97
48) Methyl methacrylate	7.76	41	1451199	189.945	ug/l	99
49) 1,4-Dioxane	7.74	88	635208	3109.766	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	9144827	909.746	ug/l	98
52) Toluene	8.78	92	2713223	152.077	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1742770	181.293	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	1863970	174.974	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	1117170	151.696	ug/l	99
56) Ethyl methacrylate	9.17	69	1936603	178.187	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1877600	158.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	4082594	794.661	ug/l	99
59) 2-Hexanone	9.49	43	7272028	934.733	ug/l	98
60) Dibromochloromethane	9.58	129	1255550	168.996	ug/l	99
61) 1,2-Dibromoethane	9.67	107	1213197	155.587	ug/l	100
64) Tetrachloroethene	9.33	164	1026850	133.818	ug/l	99
65) Chlorobenzene	10.14	112	2962856	145.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	1148150	160.771	ug/l	99
67) Ethyl Benzene	10.25	91	5209274	150.532	ug/l	96
68) m/p-Xylenes	10.35	106	4051193	305.217	ug/l	96
69) o-Xylene	10.70	106	1968373	152.462	ug/l	99
70) Styrene	10.71	104	3488753	161.874	ug/l	99
71) Bromoform	10.85	173	1089245	190.324	ug/l	99
73) Isopropylbenzene	11.01	105	5175675	139.089	ug/l	99
74) N-amyl acetate	10.89	43	2726511	184.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	1942759	157.349	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	1746494m	174.370	ug/l	
77) Bromobenzene	11.25	156	1415066	138.756	ug/l	98
78) n-propylbenzene	11.35	91	5951351	144.447	ug/l	98
79) 2-Chlorotoluene	11.42	91	3550088	143.642	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	4518982	145.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	707216	187.611	ug/l	96
82) 4-Chlorotoluene	11.51	91	4232400	147.155	ug/l	99
83) tert-Butylbenzene	11.77	119	4601325	149.960	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	4567608	145.961	ug/l	99
85) sec-Butylbenzene	11.94	105	5214293	146.195	ug/l	99
86) p-Isopropyltoluene	12.06	119	4909342	148.758	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	2543604	143.458	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	2584449	142.616	ug/l	100
89) n-Butylbenzene	12.39	91	4517059	159.686	ug/l	99
90) Hexachloroethane	12.59	117	945375	178.337	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	2601278	148.085	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	476398	180.851	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX103119\
Data File : VX013297.D
Acq On : 31 Oct 2019 18:15
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

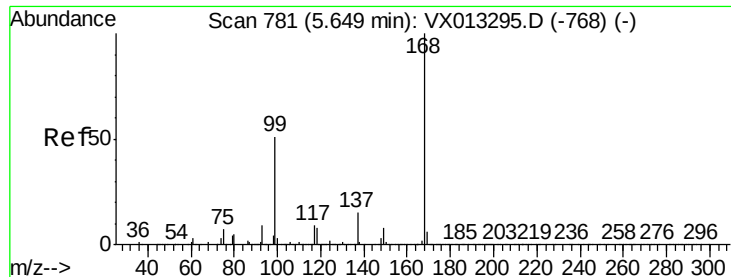
Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM

Quant Time: Nov 02 05:53:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 06:36:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1915816	160.345	ug/l	100
94) Hexachlorobutadiene	13.78	225	905710	153.329	ug/l	99
95) Naphthalene	13.83	128	6017803	167.415	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1880466	157.539	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 687523

Ion Ratio Lower Upper

168 100

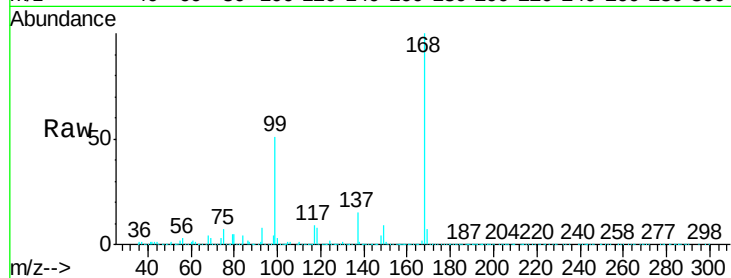
99 50.9 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

400000

300000

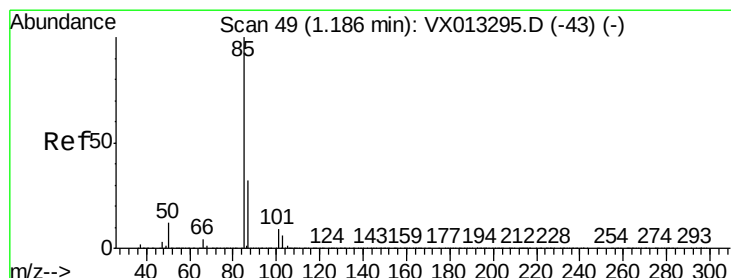
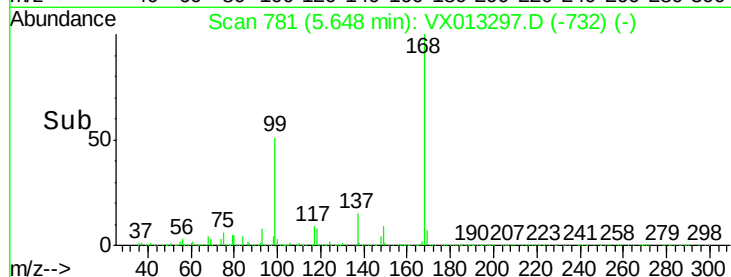
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 189.950 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013297.D

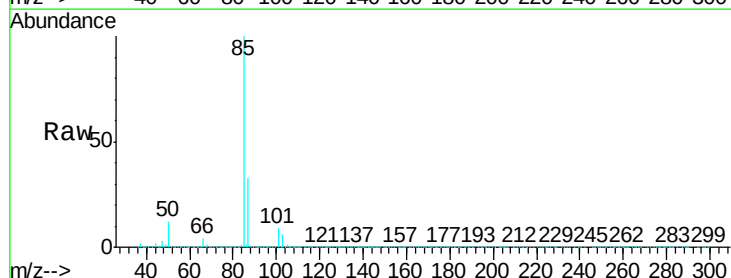
Acq: 31 Oct 2019 18:15

Tgt Ion: 85 Resp: 1249911

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

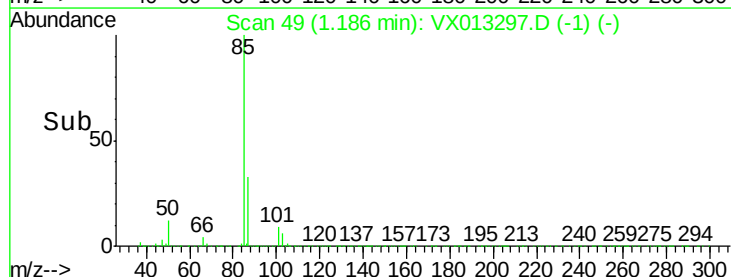
1000000

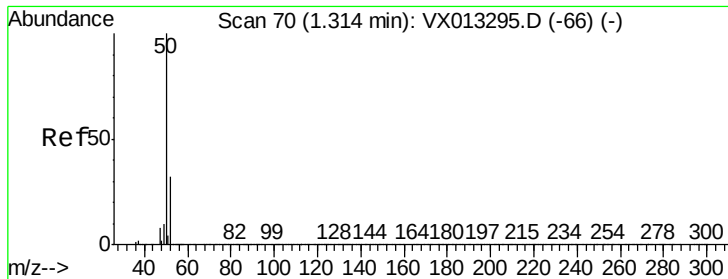
500000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 195.340 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 1318107

Ion Ratio Lower Upper

50 100

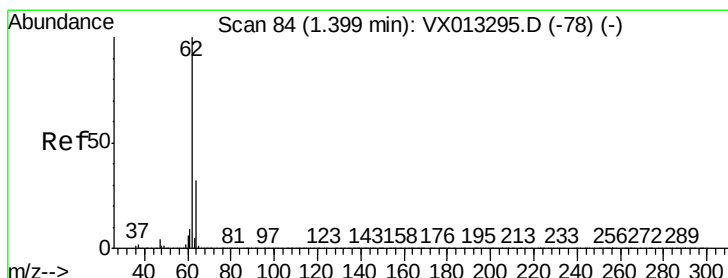
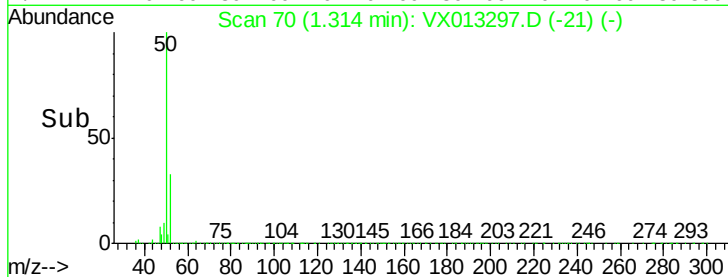
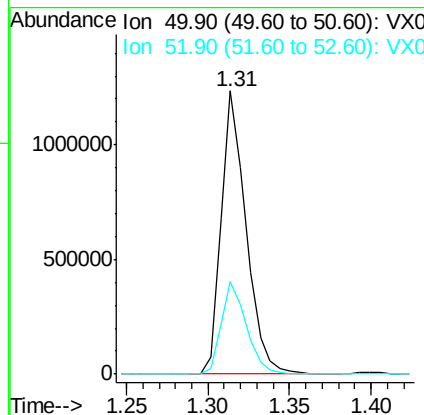
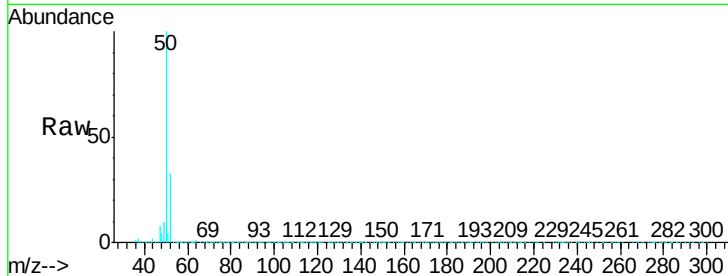
52 32.8 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#4

Vinyl Chloride

Concen: 212.693 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013297.D

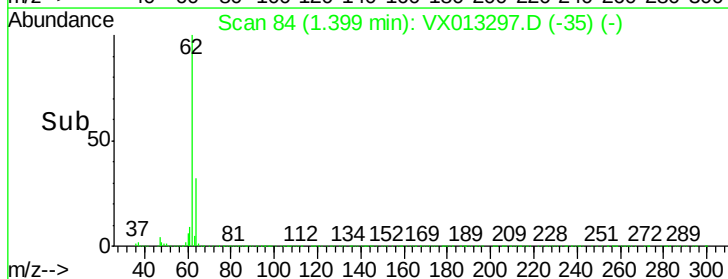
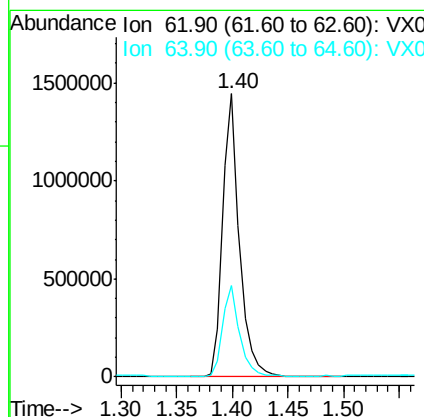
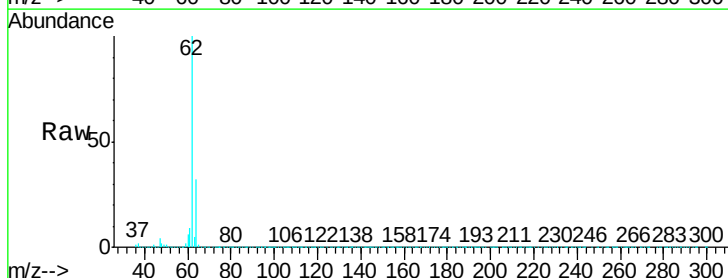
Acq: 31 Oct 2019 18:15

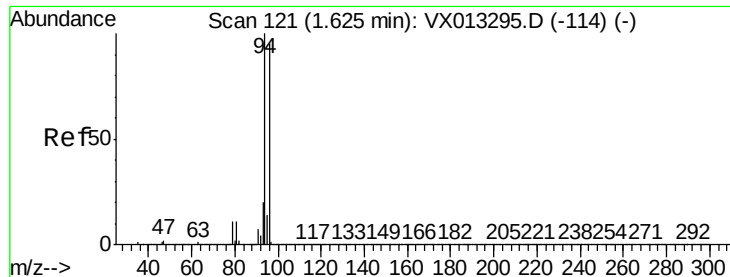
Tgt Ion: 62 Resp: 1502150

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 252.006 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 1086242

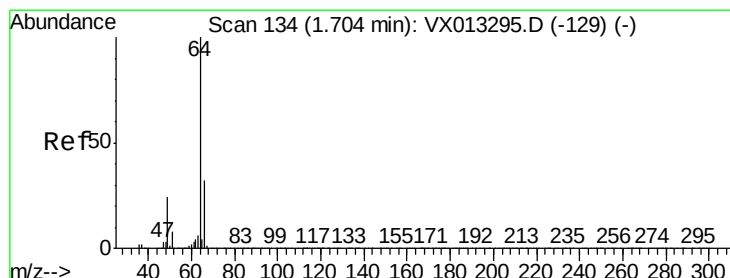
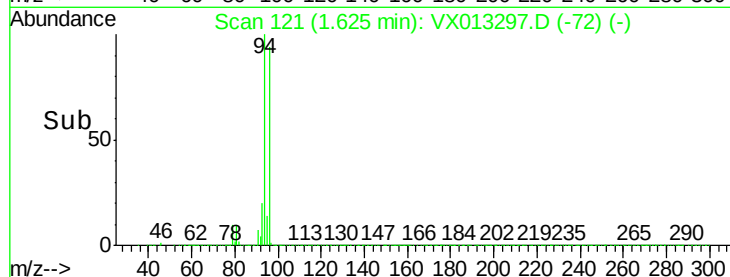
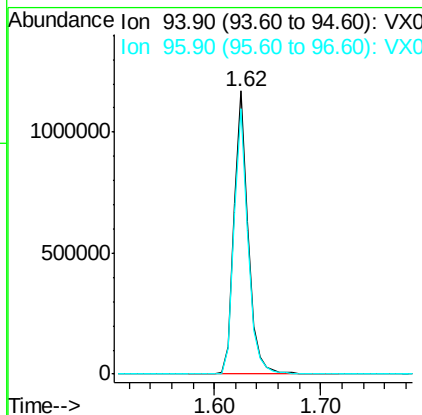
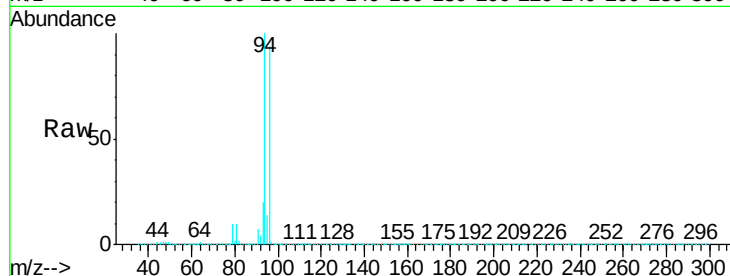
Ion Ratio Lower Upper

94 100

96 93.6 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#6

Chloroethane

Concen: 187.257 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX013297.D

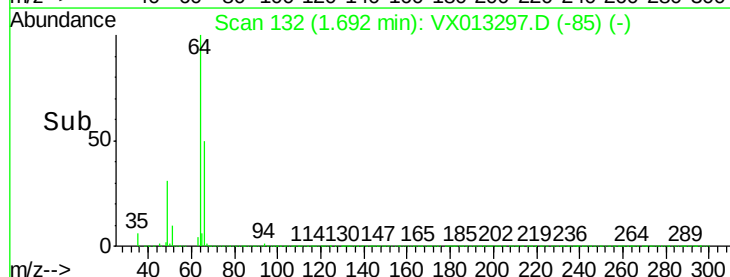
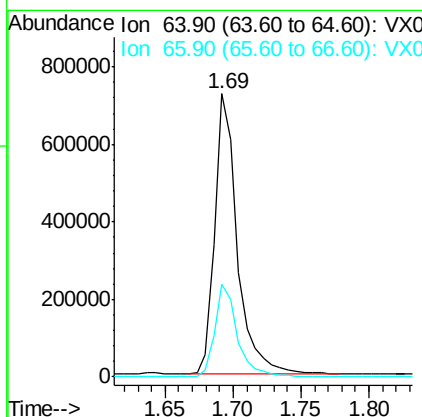
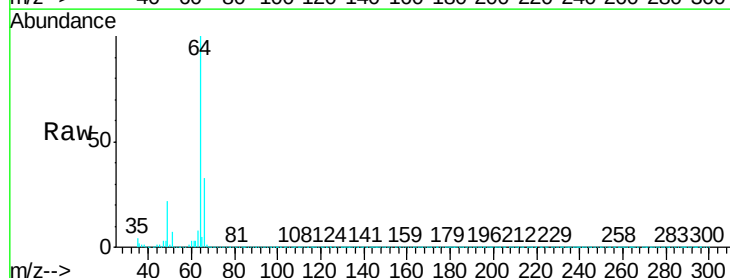
Acq: 31 Oct 2019 18:15

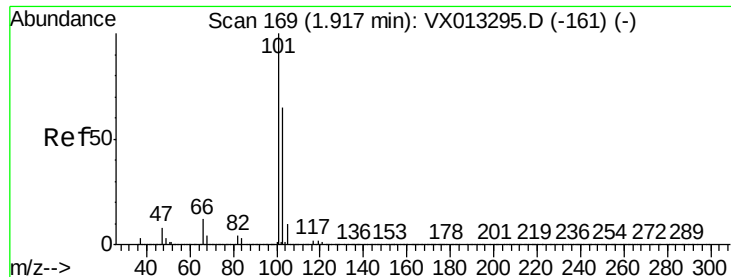
Tgt Ion: 64 Resp: 826537

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4





#7

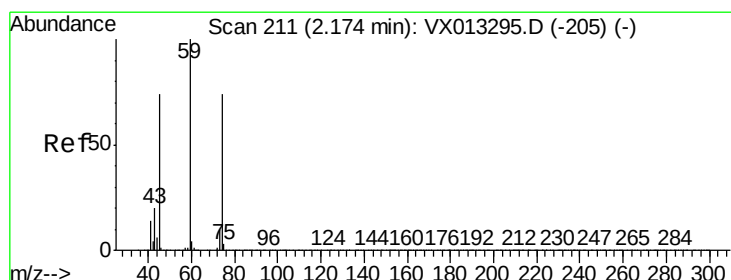
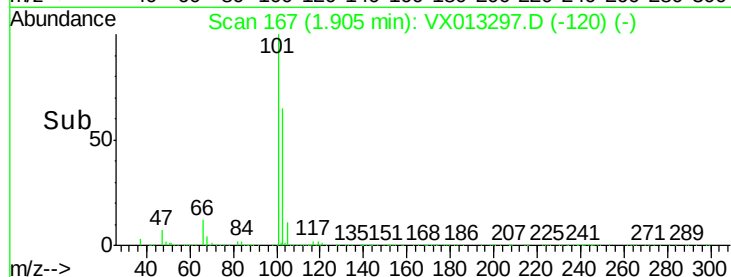
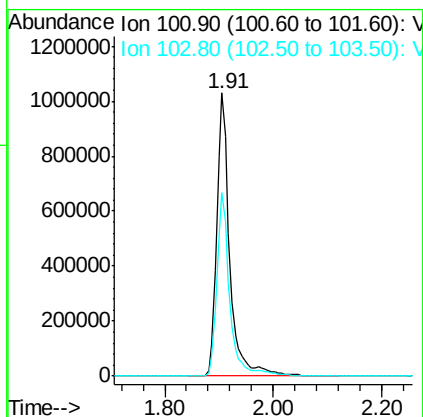
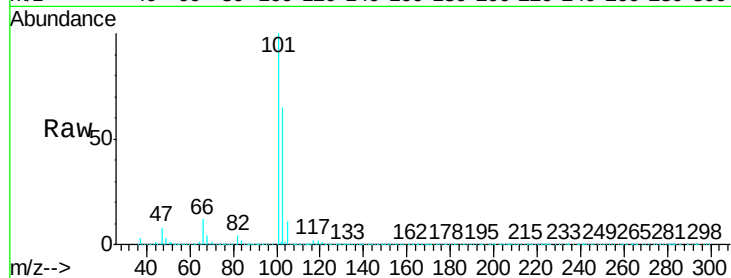
Trichlorofluoromethane
Concen: 156.154 ug/l
RT: 1.91 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 1715841
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

Manual Integrations
APPROVED

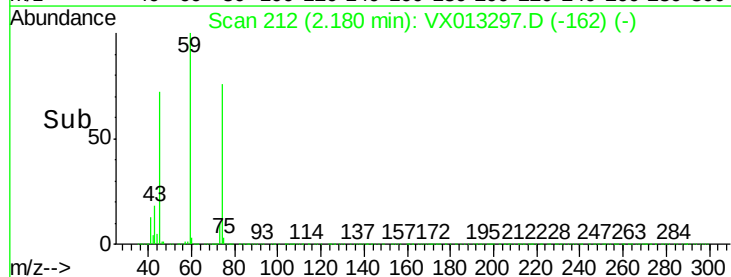
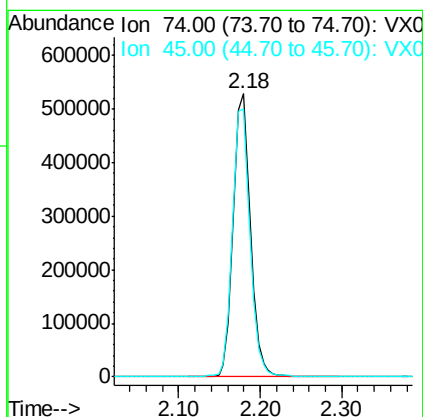
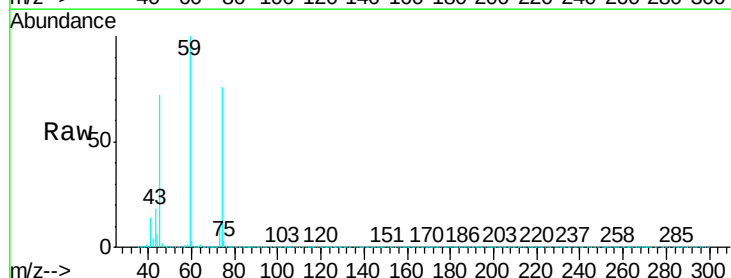
MMDadoda
11/4/2019 3:41:18 PM

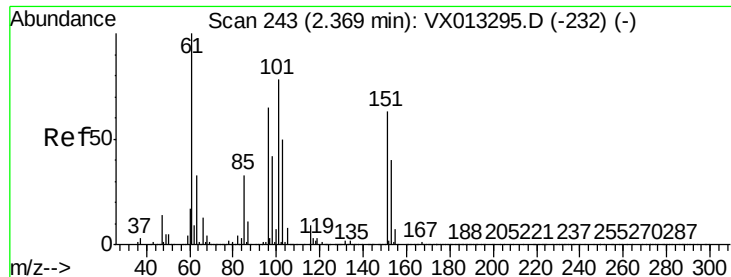


#8

Diethyl Ether
Concen: 188.884 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 74 Resp: 757447
Ion Ratio Lower Upper
74 100
45 97.0 48.5 145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.980 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

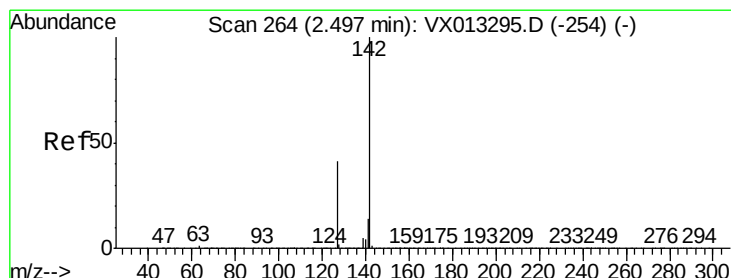
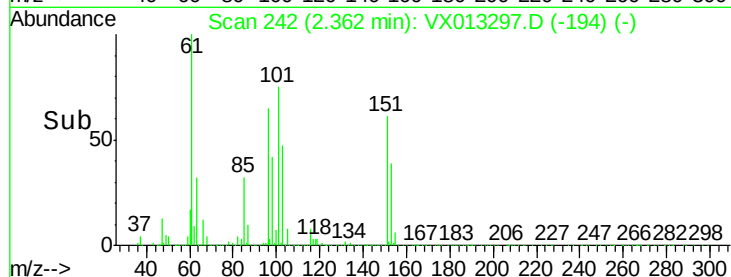
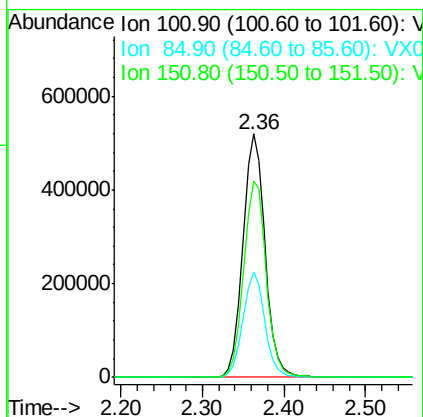
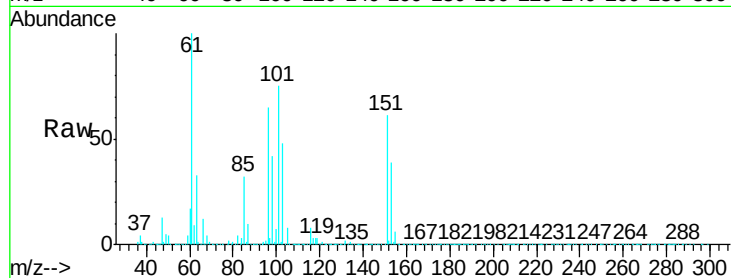
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	972851
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	82.6	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#10

Methyl Iodide

Concen: 163.147 ug/l

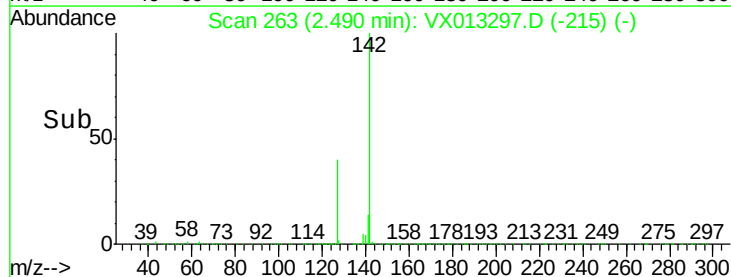
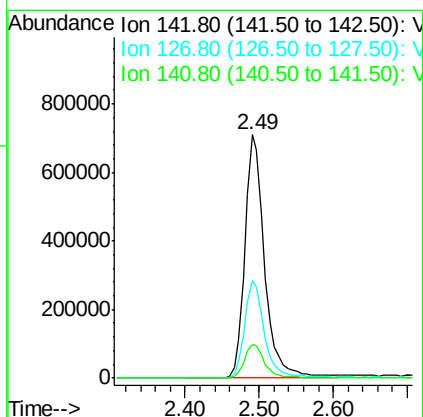
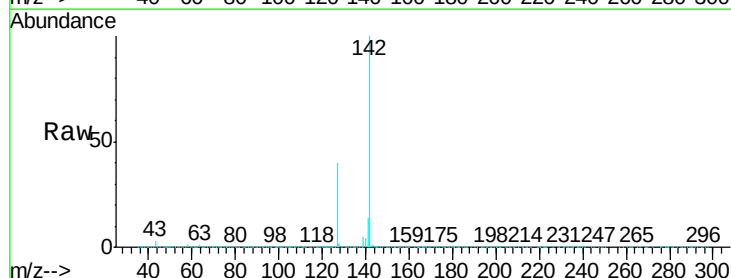
RT: 2.49 min Scan# 263

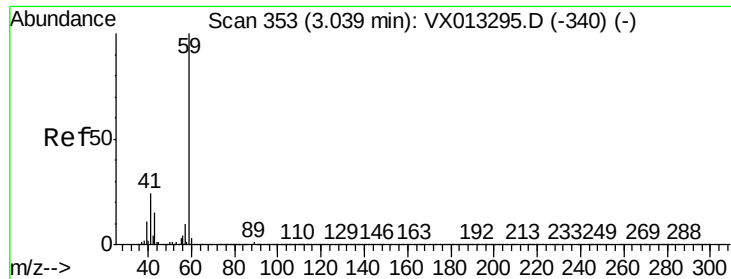
Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Tgt Ion:	142	Resp:	1324626
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.6	49.0
141	14.1	11.6	17.4





#11

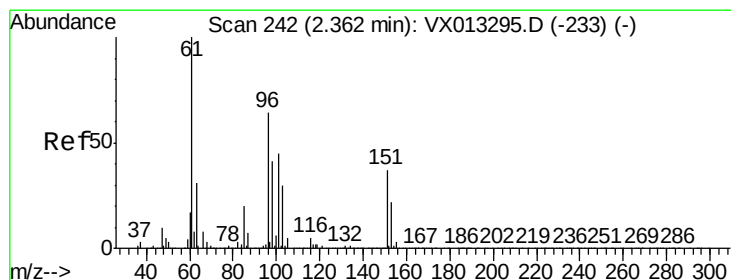
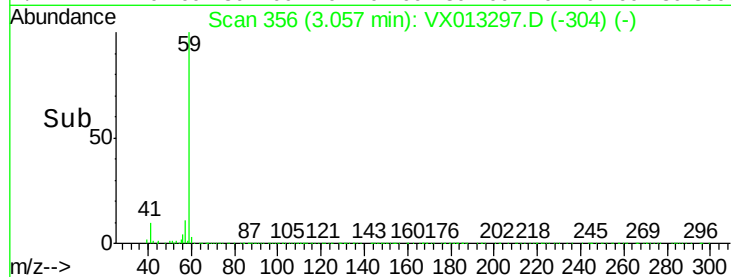
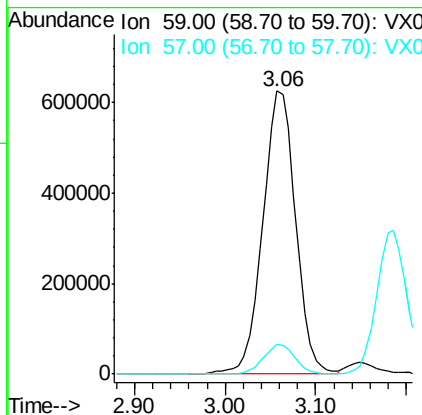
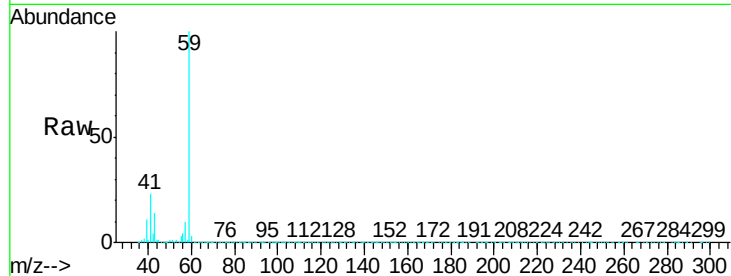
Tert butyl alcohol
Concen: 877.832 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.02 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
APPROVED

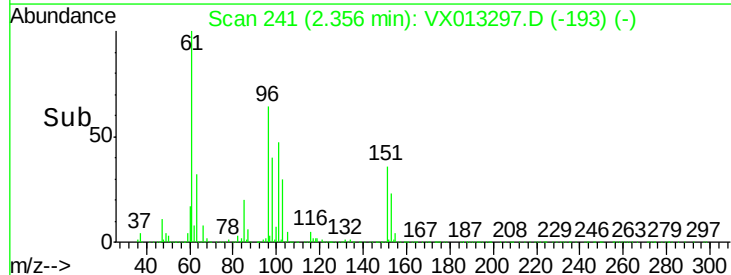
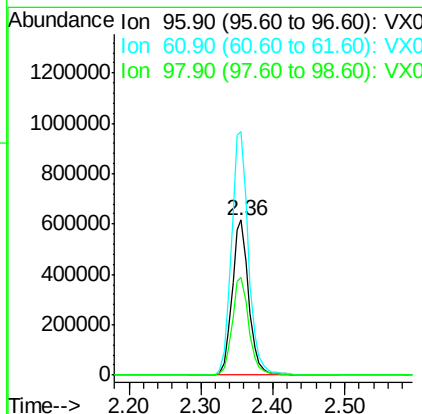
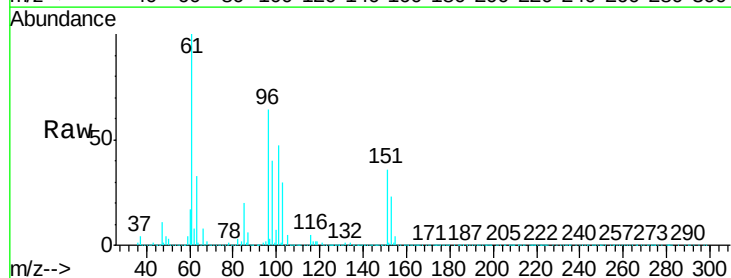
MMDadoda
11/4/2019 3:41:18 PM

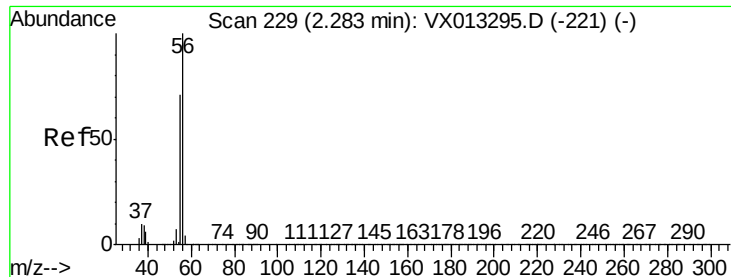


#12

1,1-Dichloroethene
Concen: 160.240 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	125.0	187.6
98	63.2	50.7	76.1





#13

Acrolein

Concen: 858.625 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 888096

Ion Ratio Lower Upper

56 100

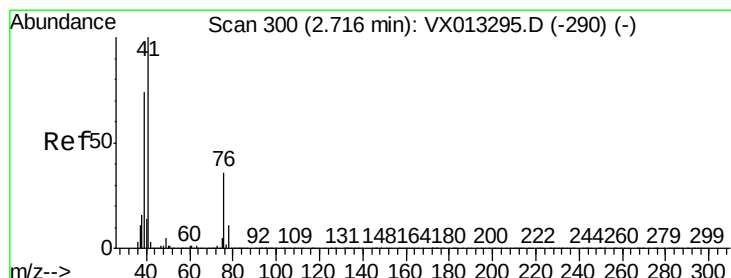
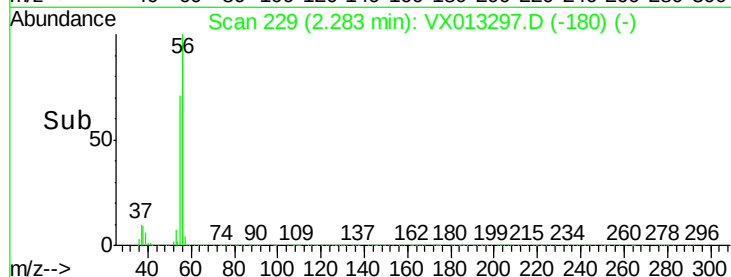
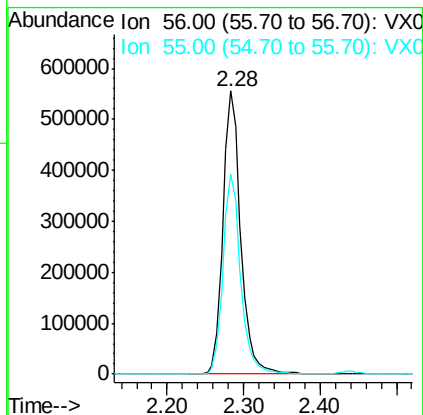
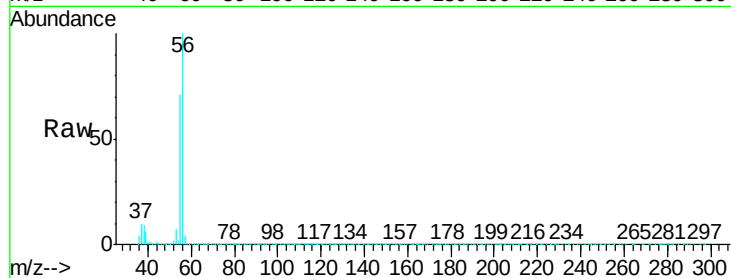
55 70.0 57.4 86.0

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#14

Allyl chloride

Concen: 190.087 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

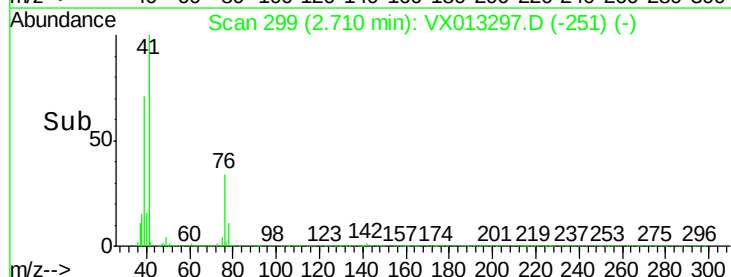
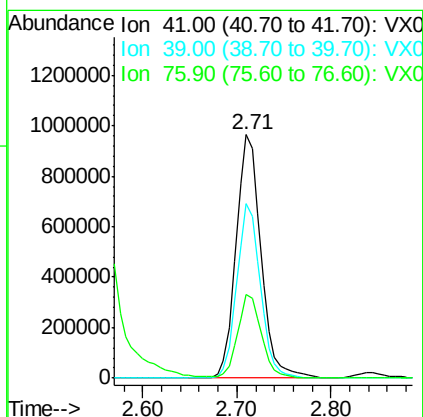
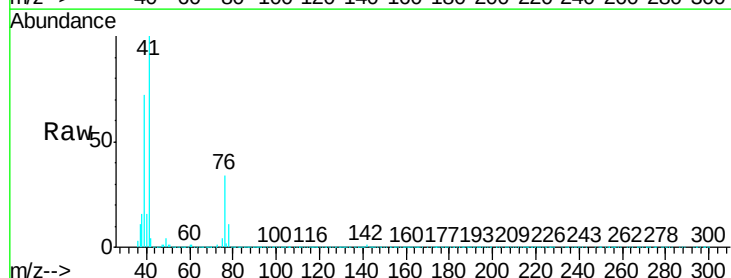
Tgt Ion: 41 Resp: 1779286

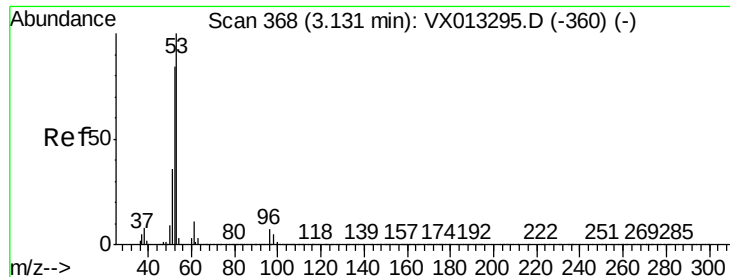
Ion Ratio Lower Upper

41 100

39 67.8 55.8 83.8

76 32.7 26.4 39.6





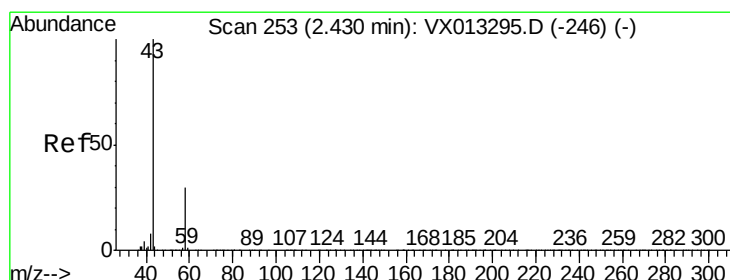
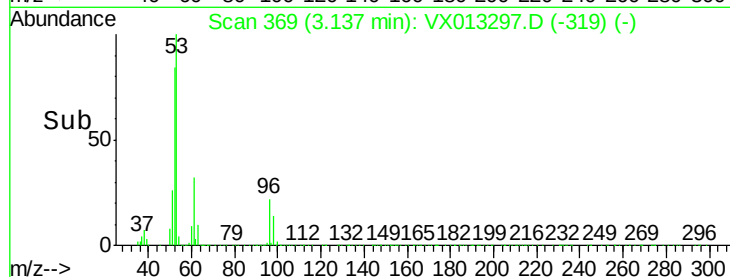
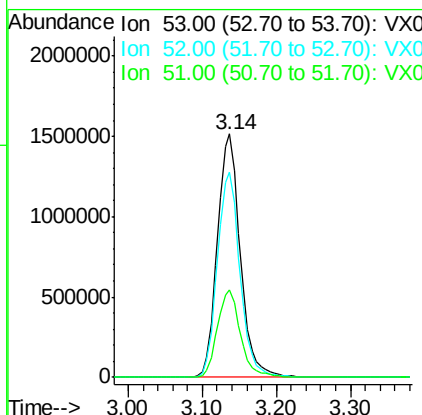
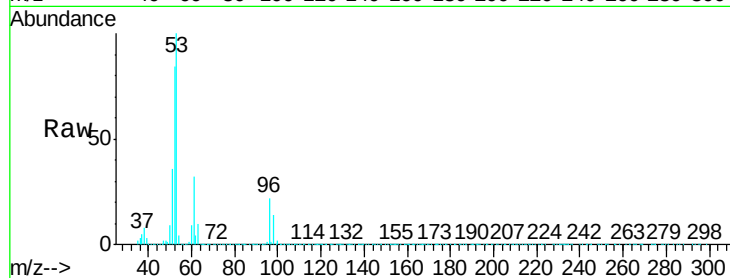
#15
Acrylonitrile
Concen: 892.171 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.4	101.0
51	36.6	29.4	44.2

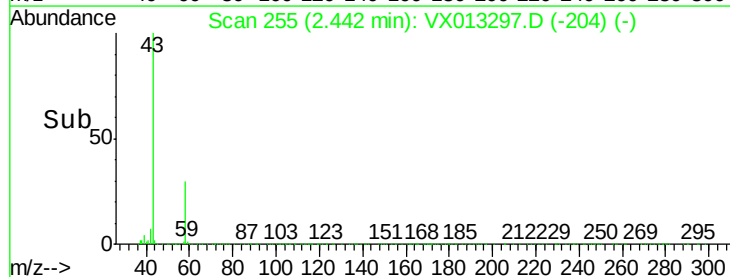
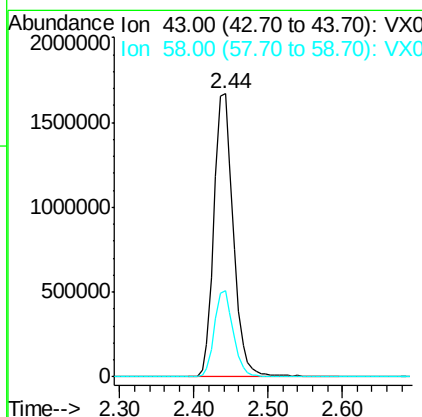
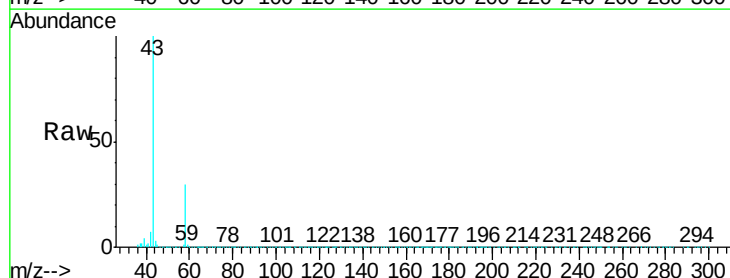
Manual Integrations
APPROVED

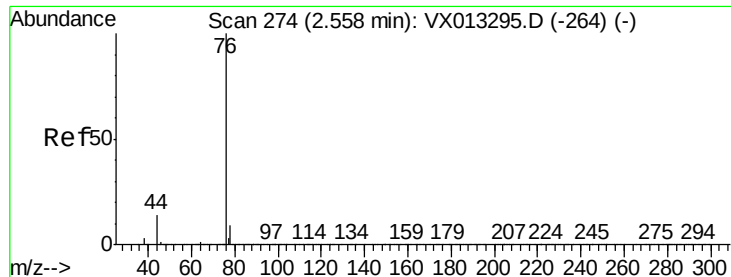
MMDadoda
11/4/2019 3:41:18 PM



#16
Acetone
Concen: 863.394 ug/l
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.3	36.5





#17

Carbon Disulfide

Concen: 172.277 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 2746603

Ion Ratio Lower Upper

76 100

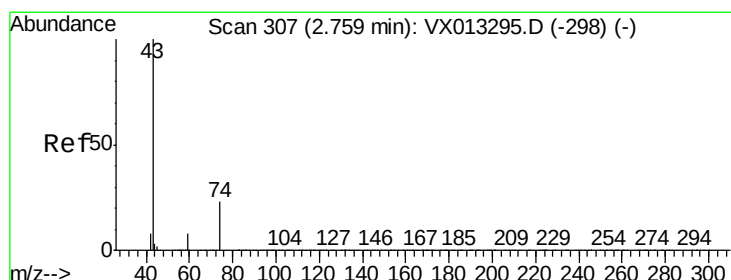
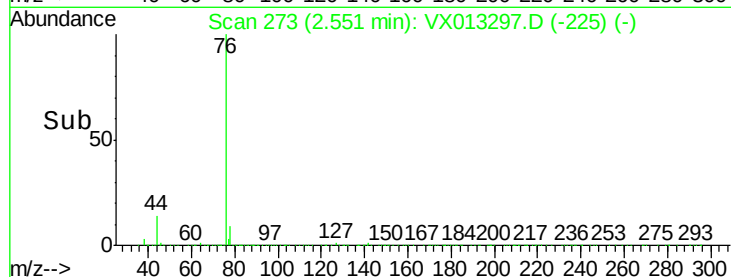
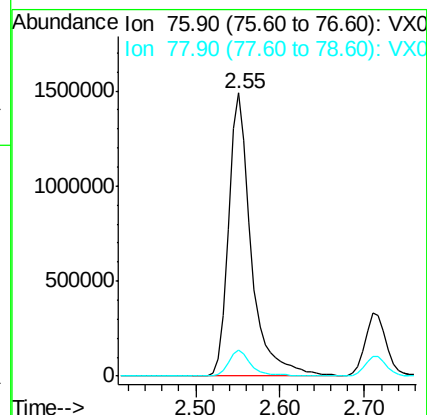
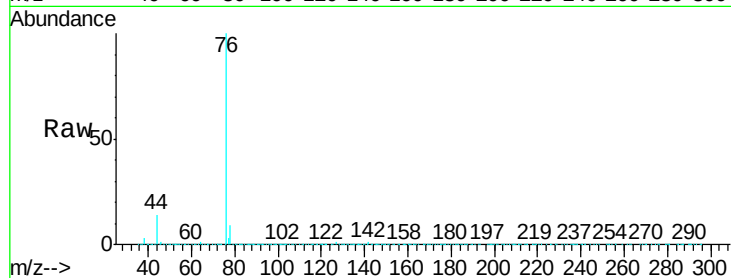
78 9.3 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#18

Methyl Acetate

Concen: 213.785 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013297.D

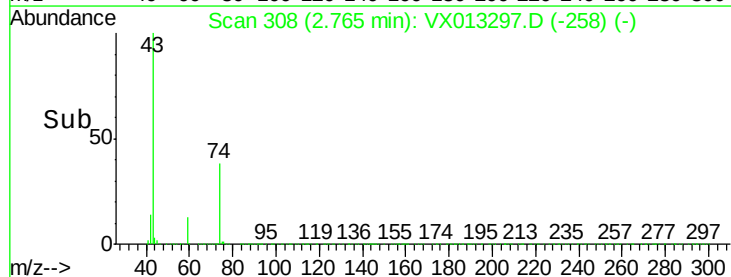
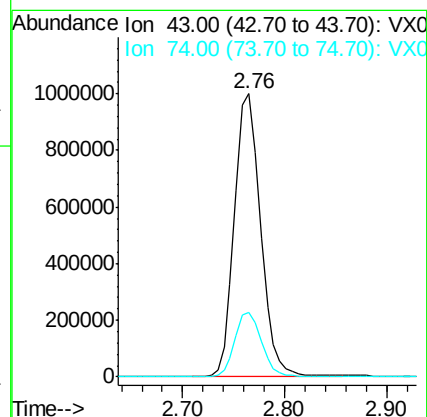
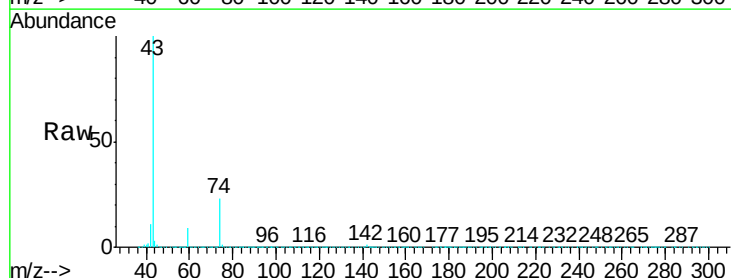
Acq: 31 Oct 2019 18:15

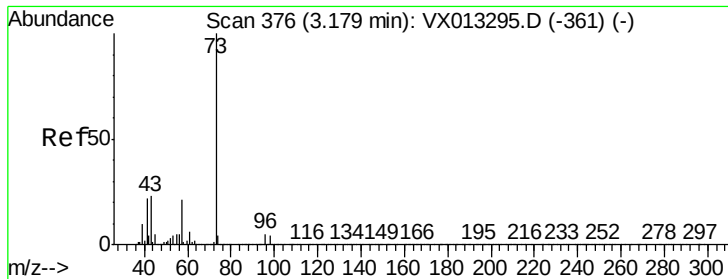
Tgt Ion: 43 Resp: 1779148

Ion Ratio Lower Upper

43 100

74 23.5 19.0 28.6





#19

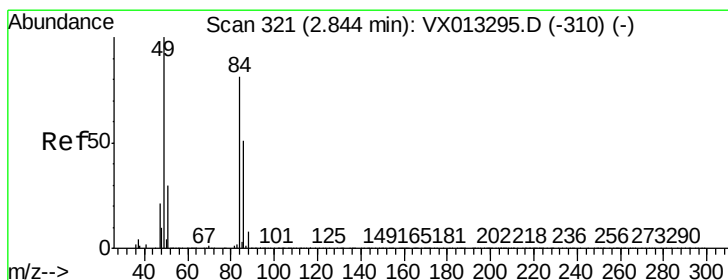
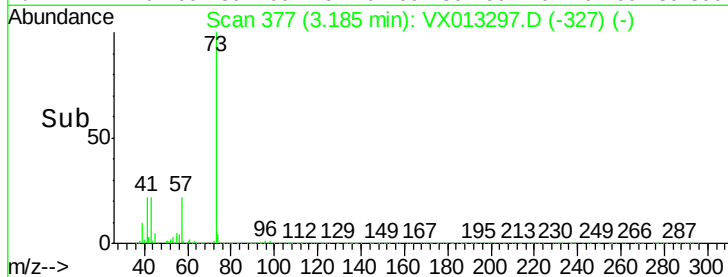
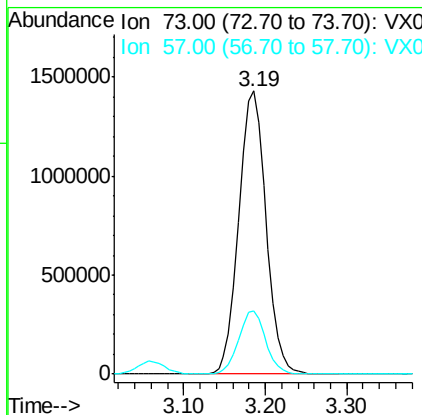
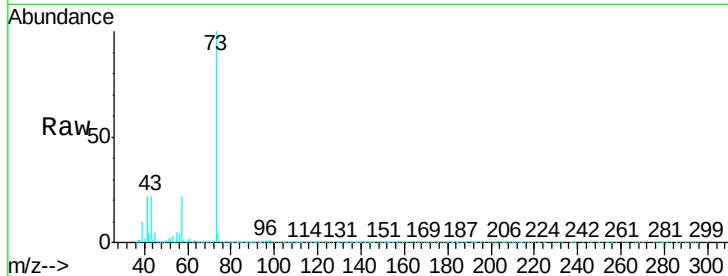
Methyl tert-butyl Ether
Concen: 163.805 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 3308526
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7

Manual Integrations
APPROVED

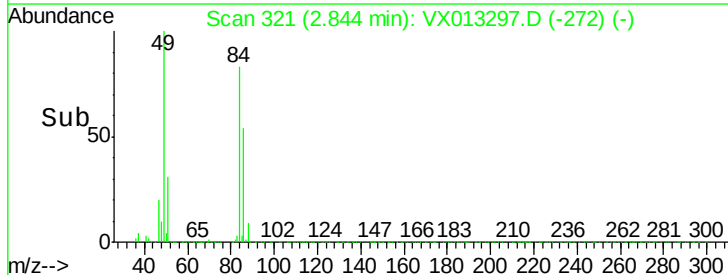
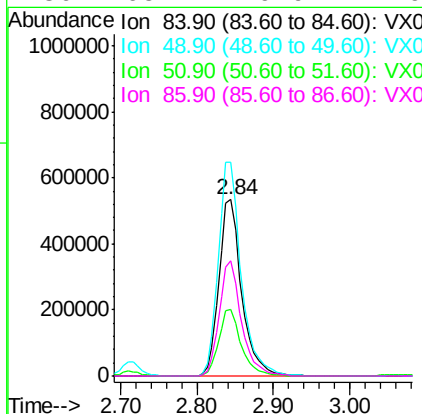
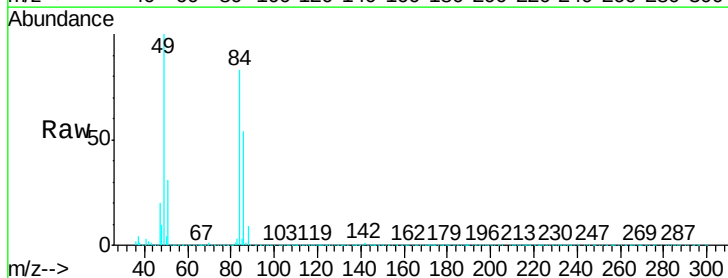
MMDadoda
11/4/2019 3:41:18 PM

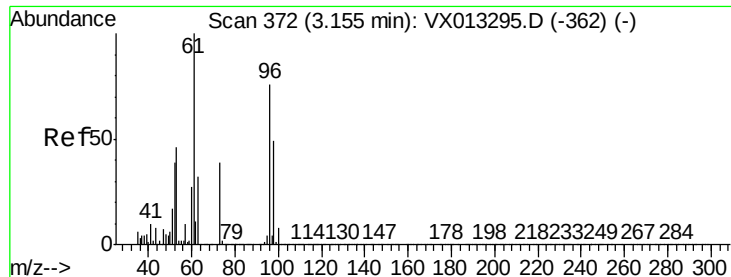


#20

Methylene Chloride
Concen: 154.579 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 84 Resp: 1096677
Ion Ratio Lower Upper
84 100
49 121.1 98.2 147.4
51 37.5 29.9 44.9
86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 161.438 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1062674

Ion Ratio Lower Upper

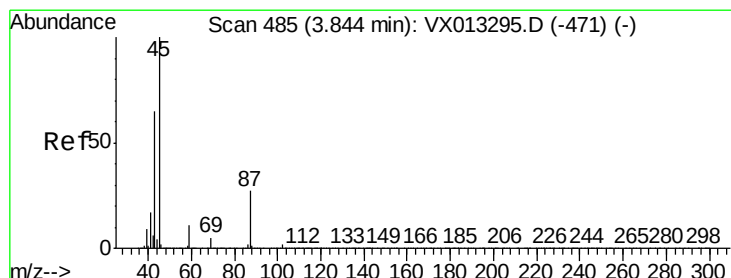
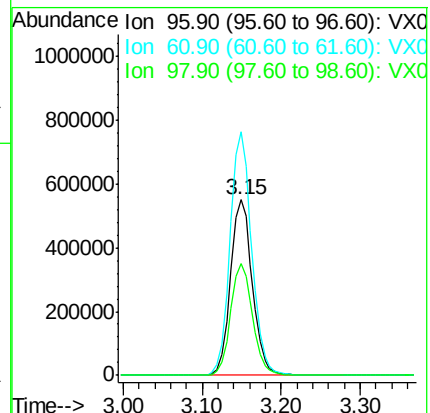
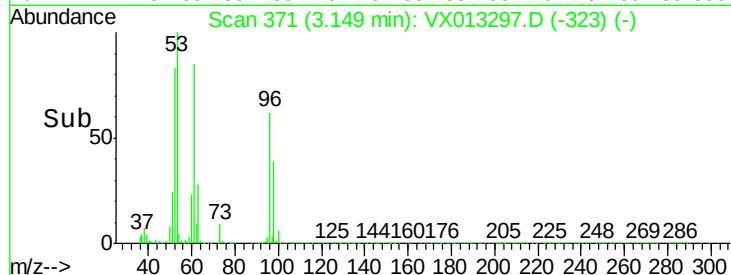
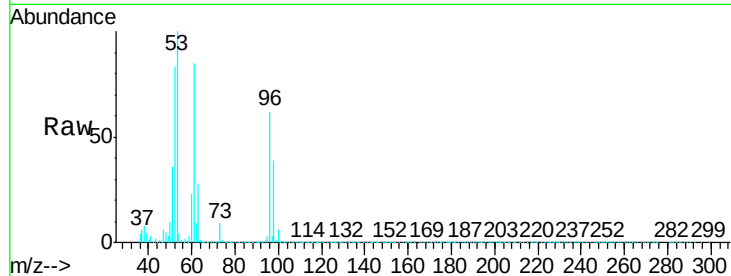
96 100

61 138.6 105.8 158.6

98 63.6 51.8 77.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#22

Diisopropyl ether

Concen: 176.760 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Tgt Ion: 45 Resp: 3462280

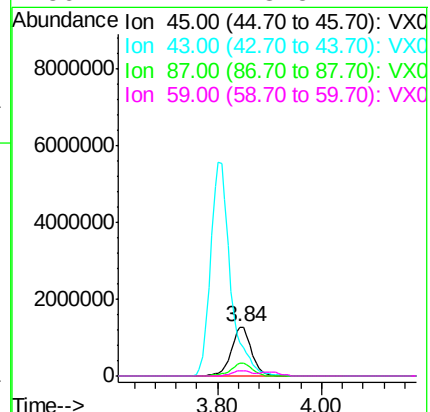
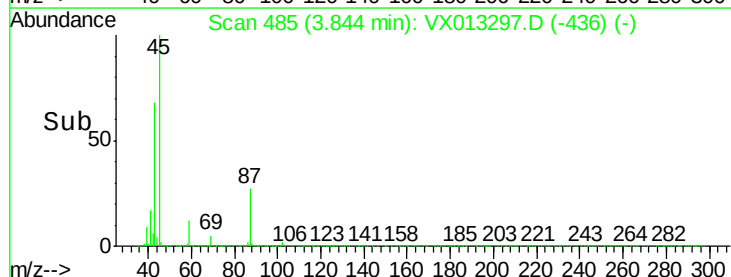
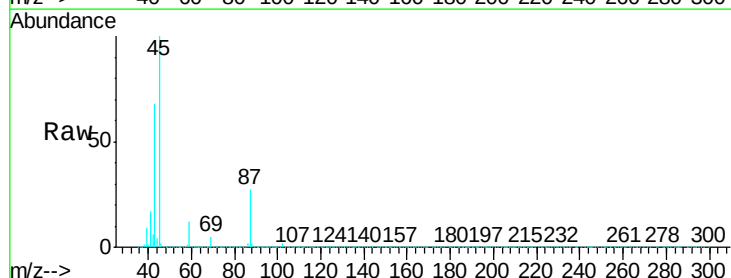
Ion Ratio Lower Upper

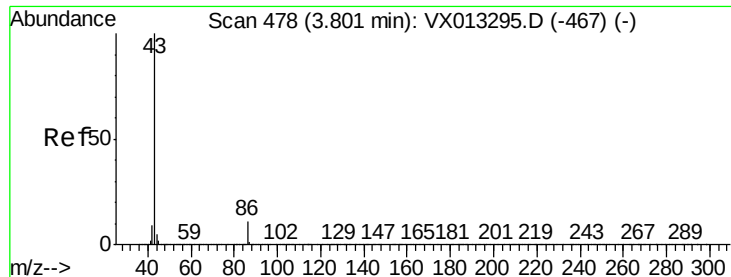
45 100

43 67.9 54.2 81.2

87 27.2 21.8 32.8

59 11.7 8.5 12.7





#23

Vinyl Acetate

Concen: 893.005 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Tgt Ion: 43 Resp:14733231

Ion Ratio Lower Upper

43 100

86 11.6 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

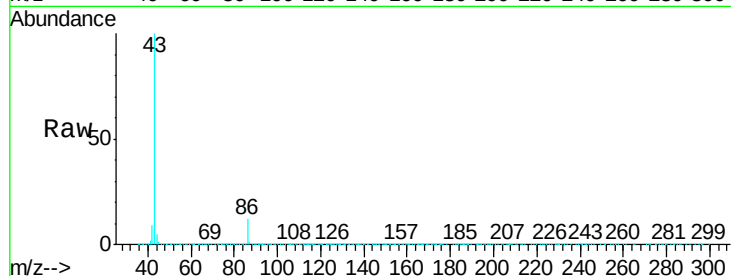
VSTDICC150

Manual Integrations

APPROVED

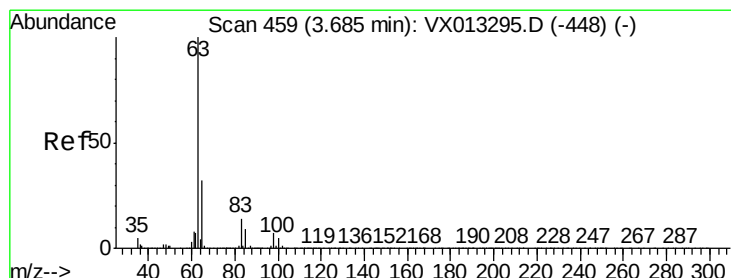
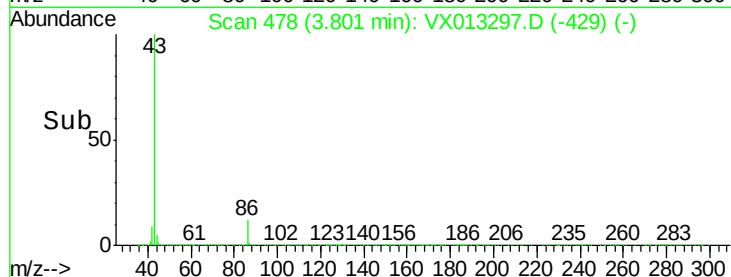
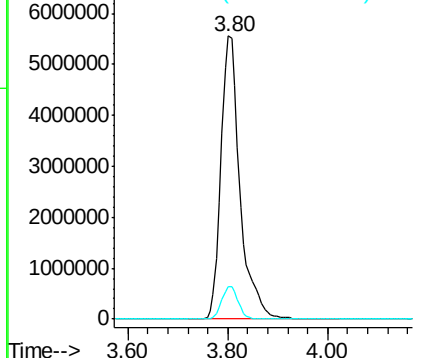
MMDadoda

11/4/2019 3:41:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 169.251 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

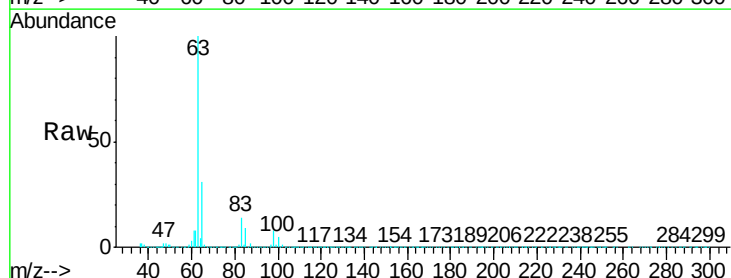
Tgt Ion: 63 Resp: 1901091

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

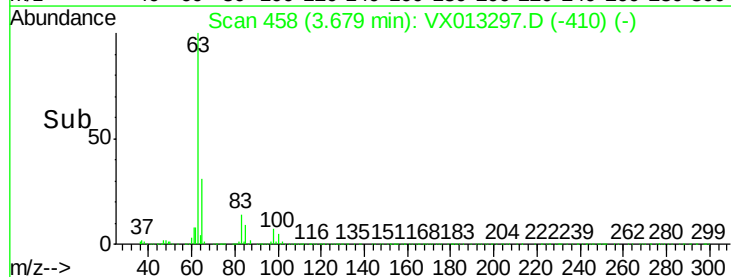
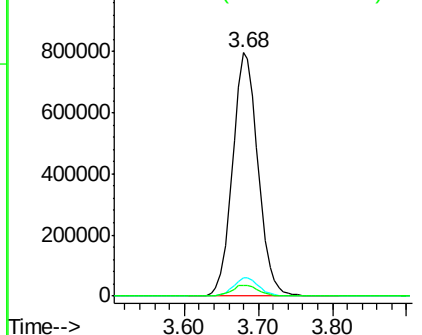
100 4.6 2.4 7.2

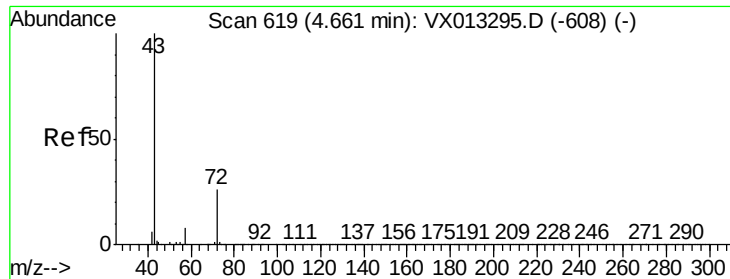


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 937.442 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 4687098

Ion Ratio Lower Upper

43 100

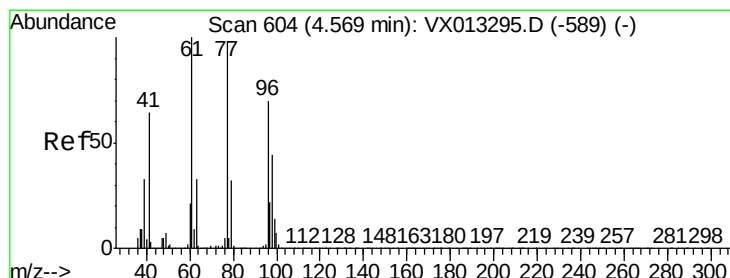
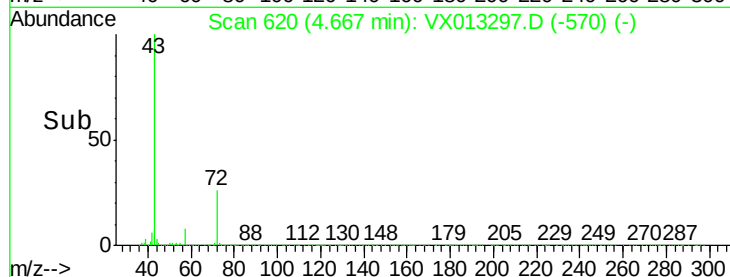
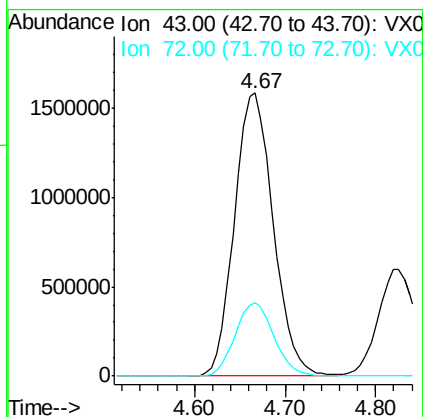
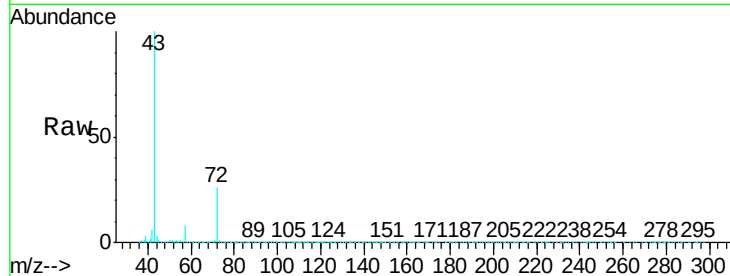
72 25.7 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#26

2,2-Dichloropropane

Concen: 167.367 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013297.D

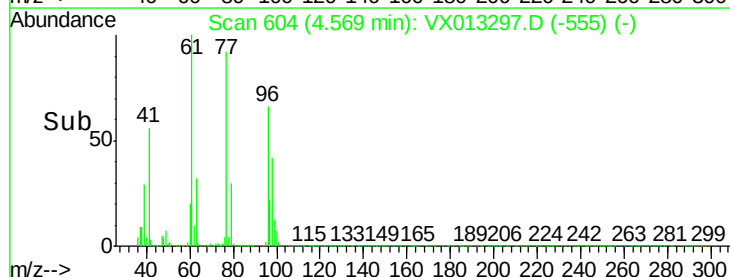
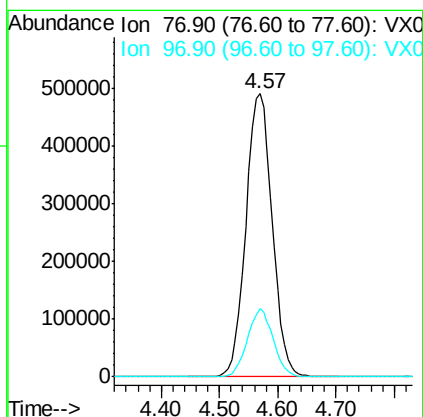
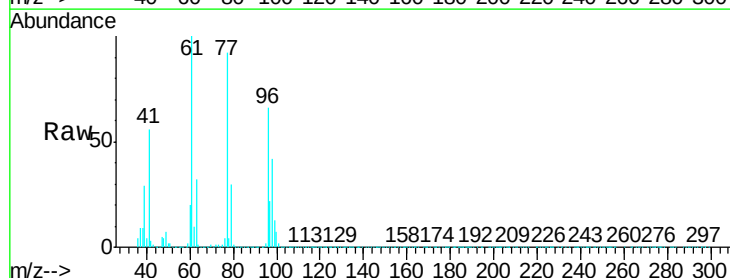
Acq: 31 Oct 2019 18:15

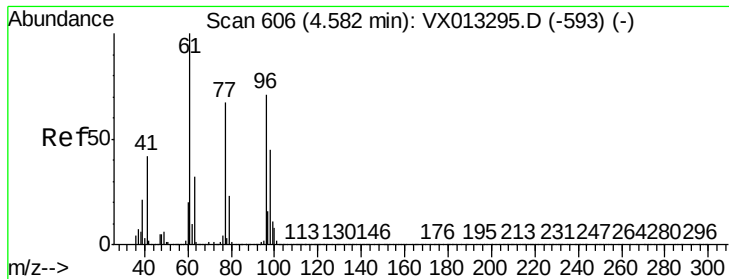
Tgt Ion: 77 Resp: 1530853

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8





#27

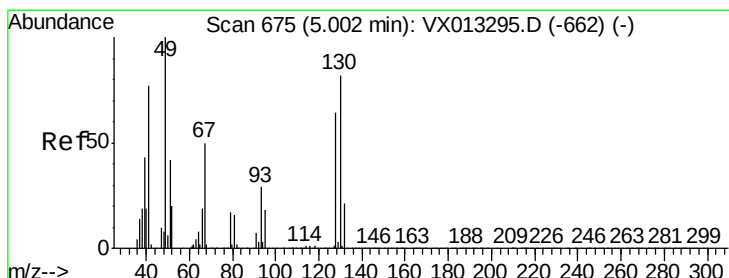
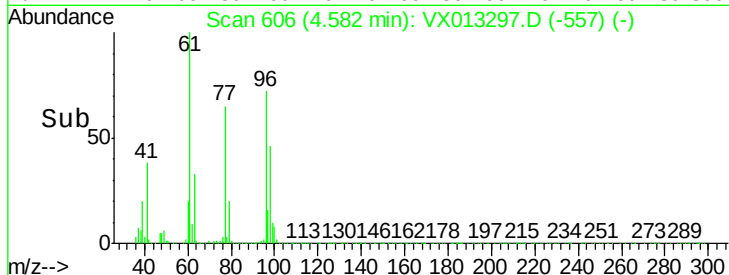
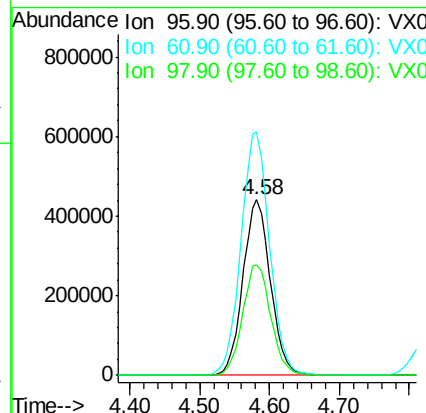
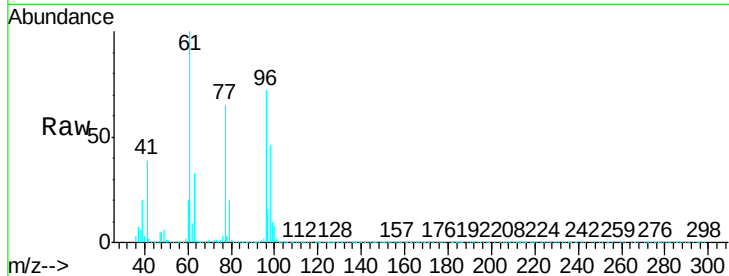
cis-1,2-Dichloroethene
Concen: 157.170 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	288.0
98	64.5	0.0	129.6

Manual Integrations
APPROVED

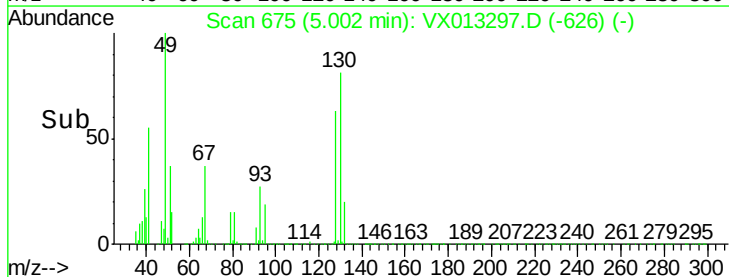
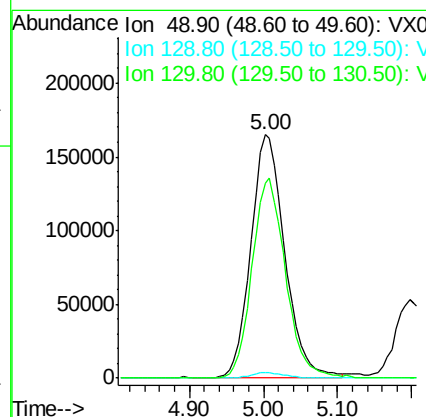
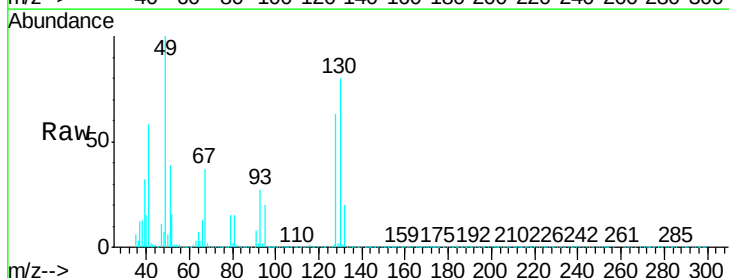
MMDadoda
11/4/2019 3:41:18 PM

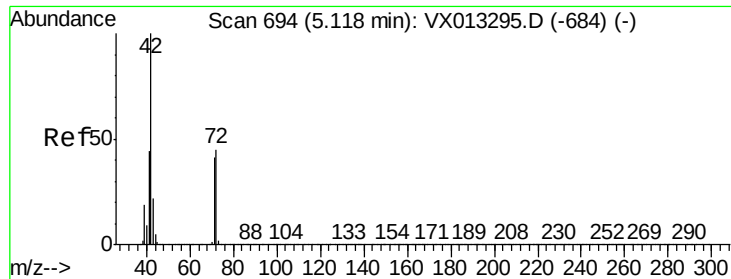


#28

Bromochloromethane
Concen: 106.846 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.2
130	81.1	63.8	95.6





#29

Tetrahydrofuran

Concen: 936.870 ug/l

RT: 5.12 min Scan# 694

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 2970809

Ion Ratio Lower Upper

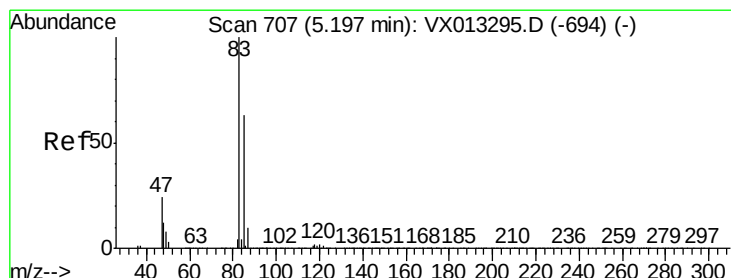
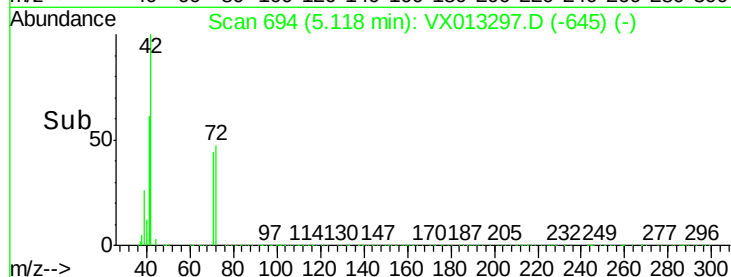
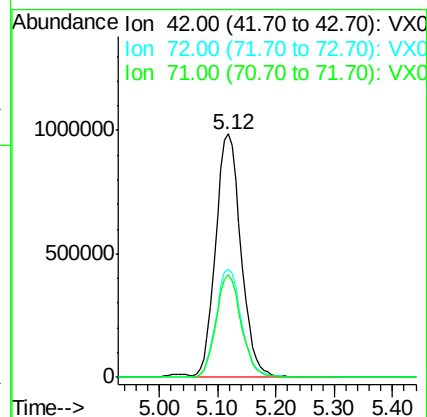
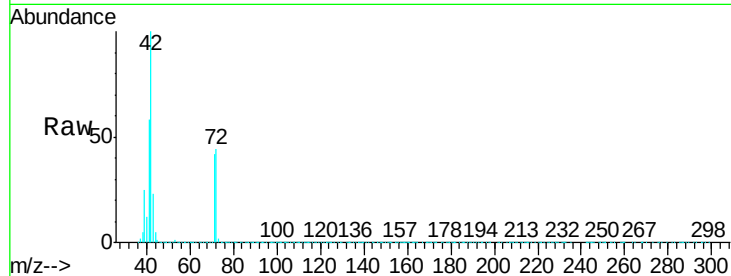
42 100

72 44.8 35.8 53.8

71 41.6 33.4 50.0

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#30

Chloroform

Concen: 156.758 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013297.D

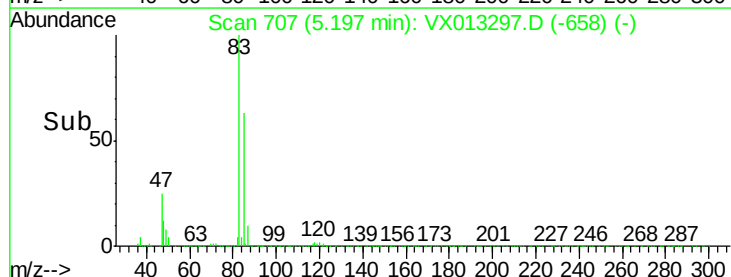
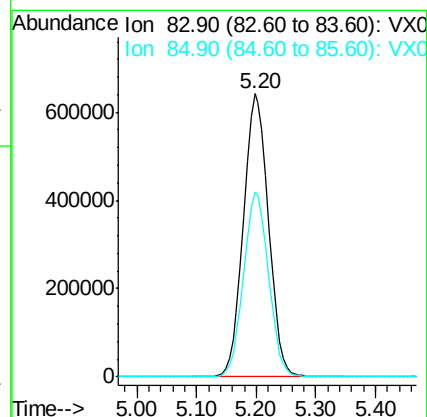
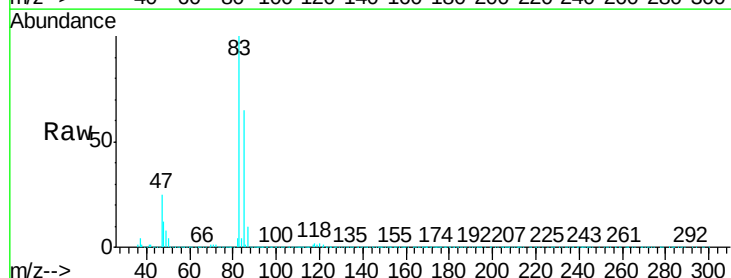
Acq: 31 Oct 2019 18:15

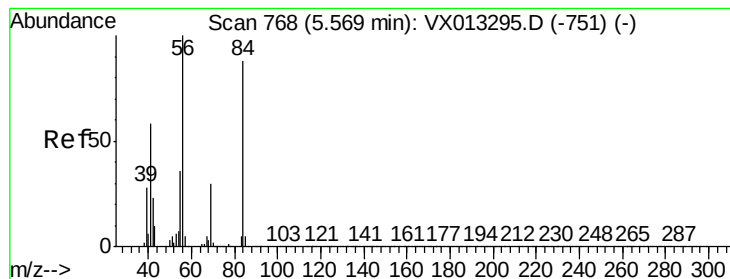
Tgt Ion: 83 Resp: 1878352

Ion Ratio Lower Upper

83 100

85 65.3 50.2 75.4





#31

Cyclohexane

Concen: 166.740 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 1704276

Ion Ratio Lower Upper

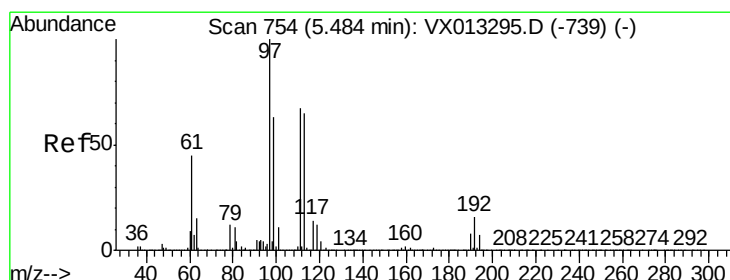
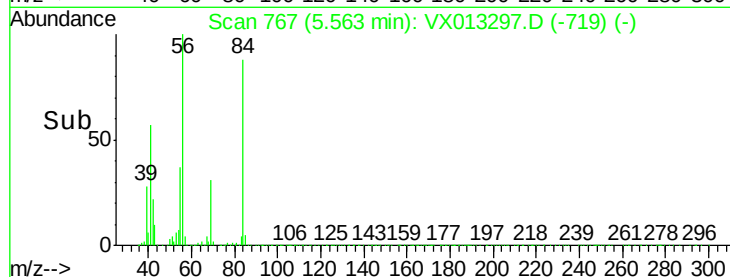
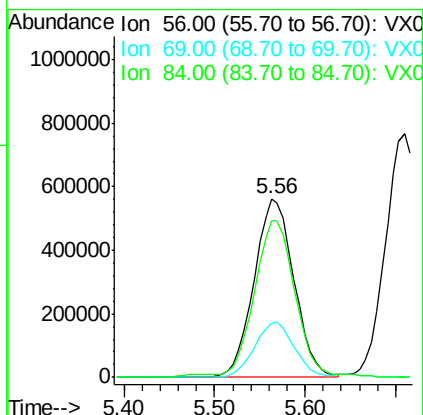
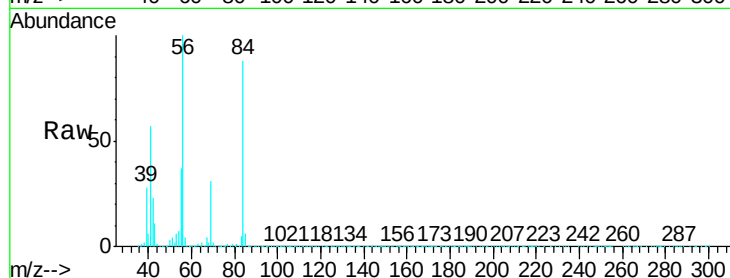
56 100

69 30.7 23.7 35.5

84 86.6 70.6 105.8

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#32

1,1,1-Trichloroethane

Concen: 160.741 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

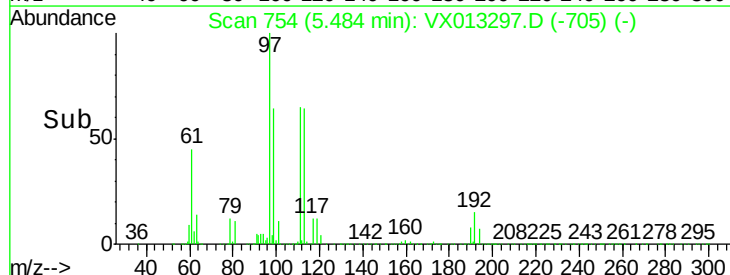
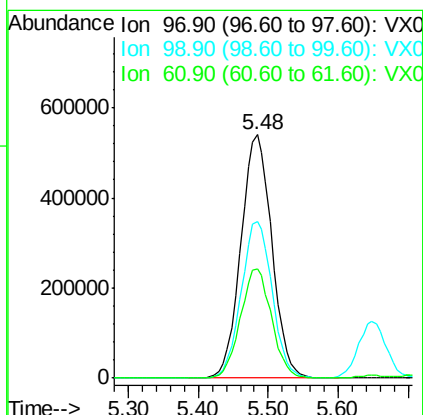
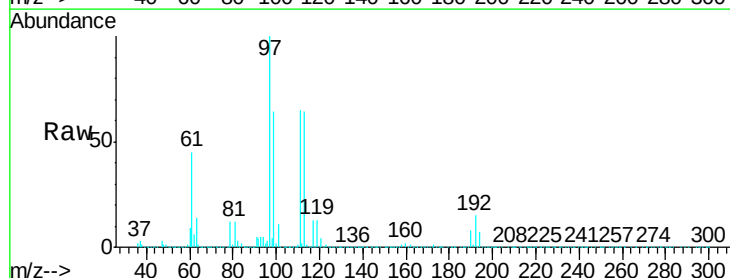
Tgt Ion: 97 Resp: 1654515

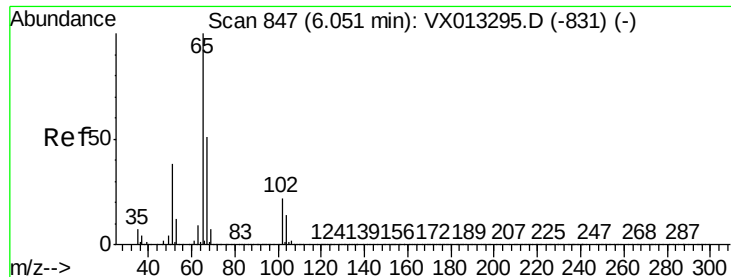
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 45.2 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 163.596 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 1229472

Ion Ratio Lower Upper

65 100

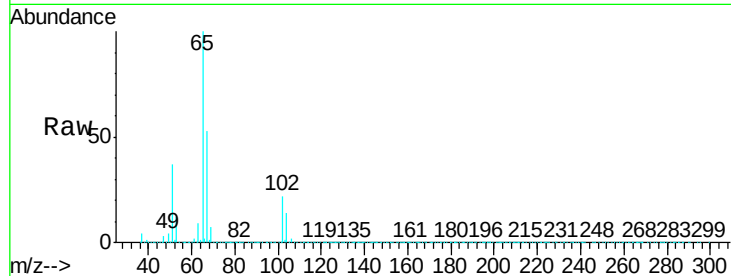
67 52.0 0.0 104.2

Manual Integrations

APPROVED

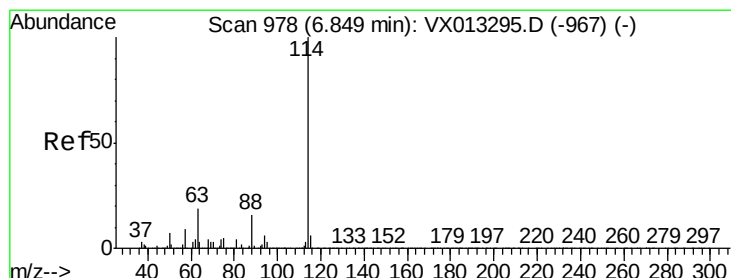
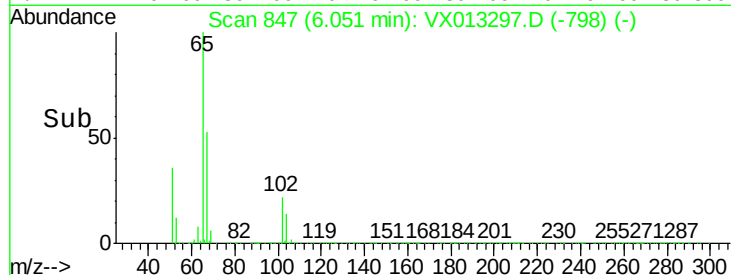
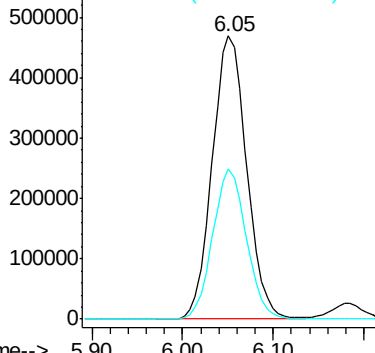
MMDadoda

11/4/2019 3:41:18 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

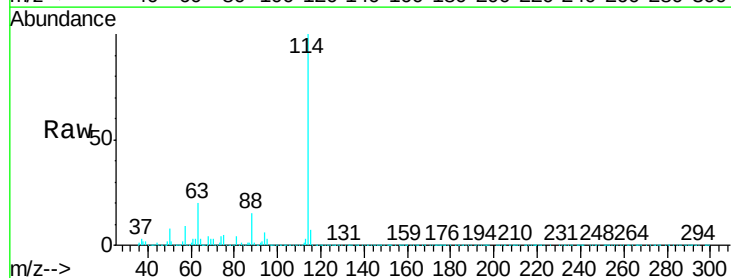
Tgt Ion: 114 Resp: 1072083

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

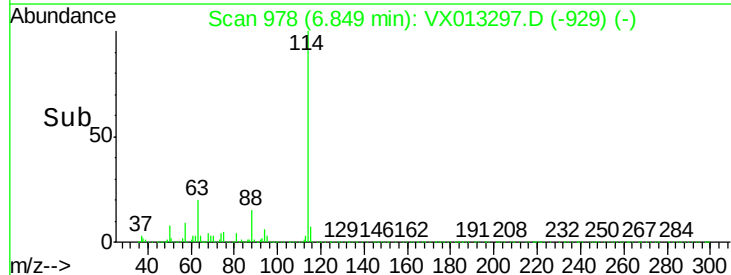
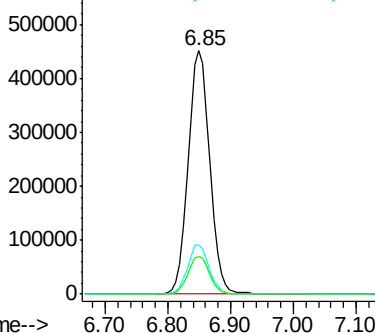
88 15.2 0.0 32.2

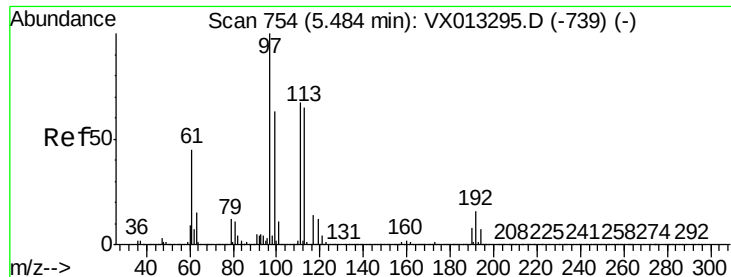


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 147.173 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

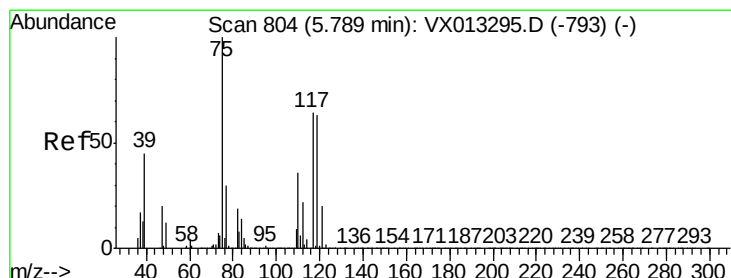
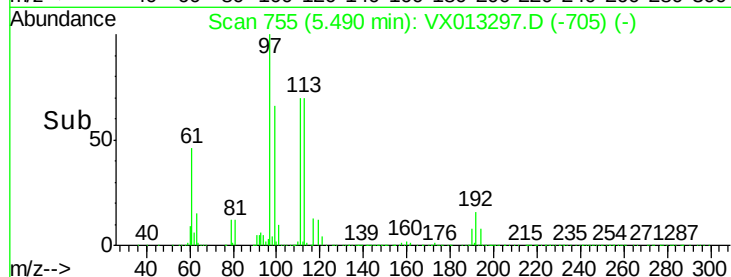
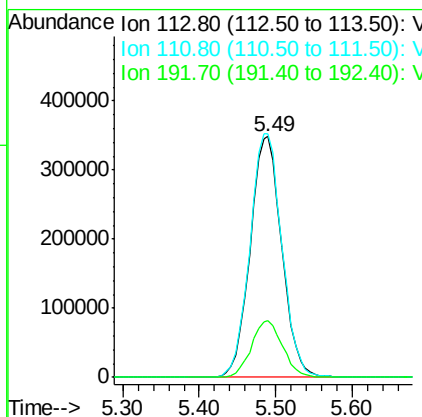
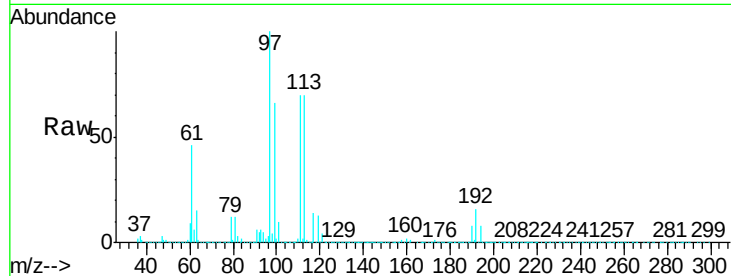
ClientSampleId :

VSTDIC150

Tgt Ion:	113	Resp:	999807
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.9	122.9
192	23.4	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#36

1,1-Dichloropropene

Concen: 160.601 ug/l

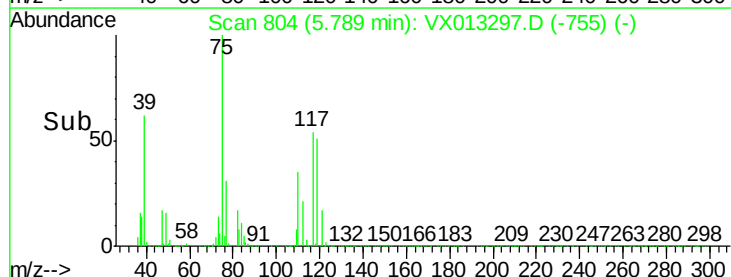
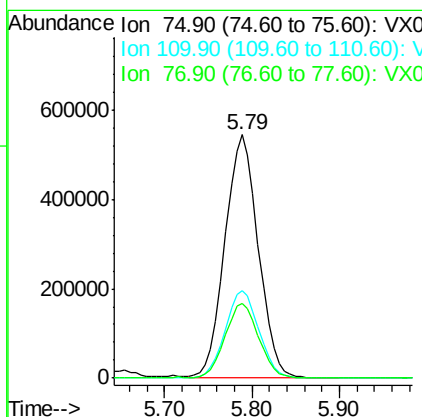
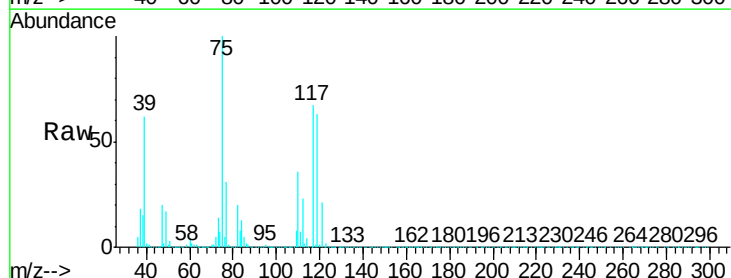
RT: 5.79 min Scan# 804

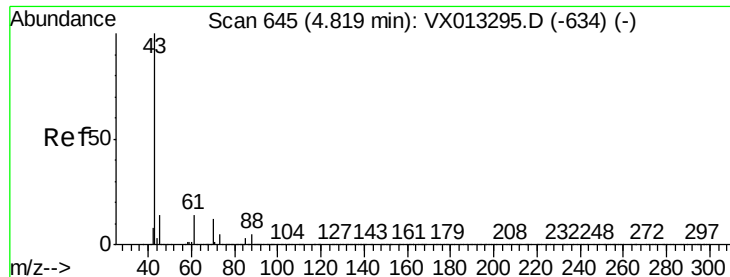
Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Tgt Ion:	75	Resp:	1439217
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.1
77	31.0	25.0	37.4





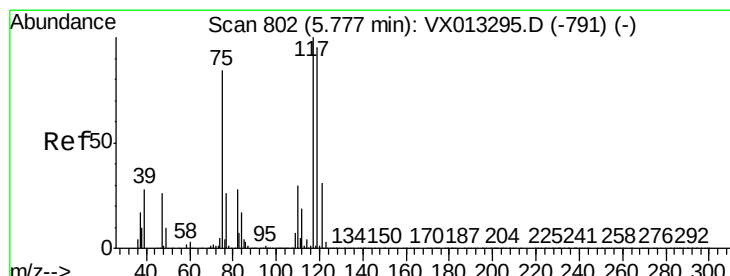
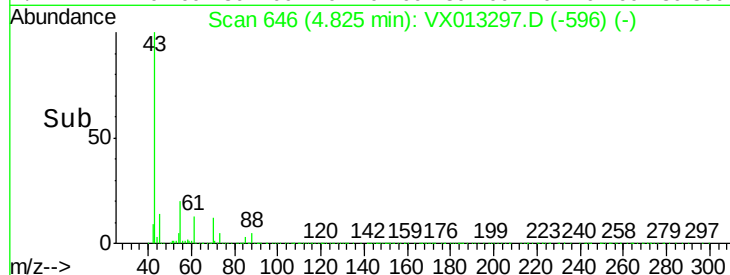
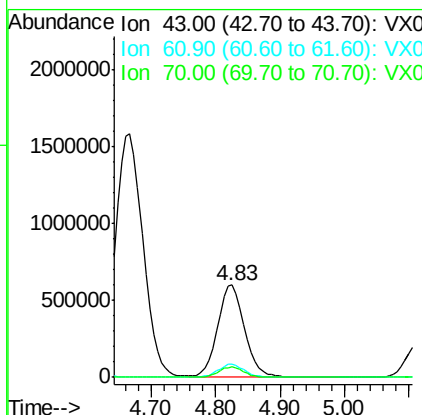
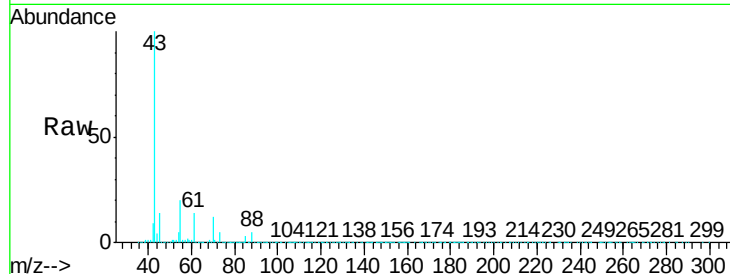
#37
Ethyl Acetate
Concen: 187.652 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1773947
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 10.5 8.7 13.1

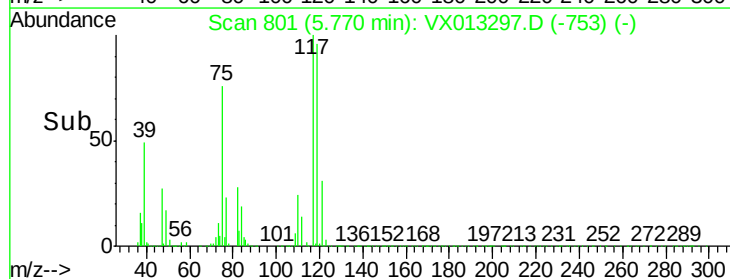
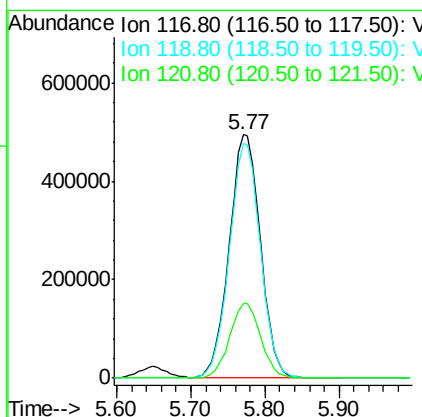
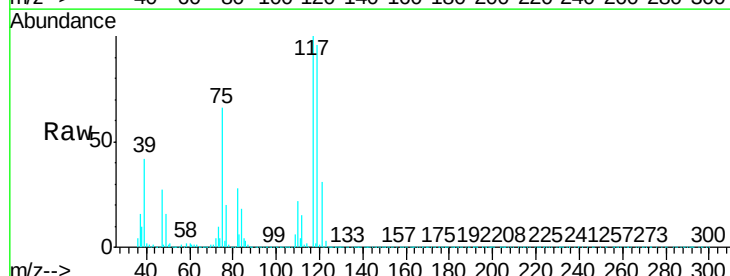
Manual Integrations
APPROVED

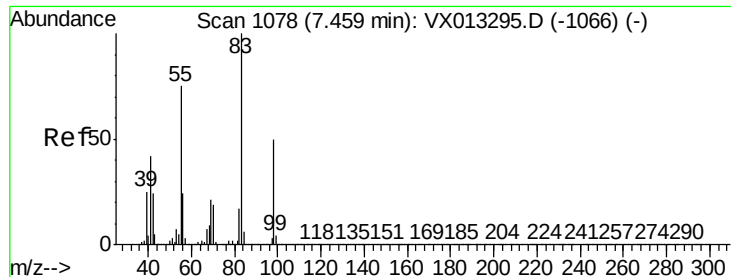
MMDadoda
11/4/2019 3:41:18 PM



#38
Carbon Tetrachloride
Concen: 157.525 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 117 Resp: 1451718
Ion Ratio Lower Upper
117 100
119 96.1 76.1 114.1
121 30.6 24.6 37.0





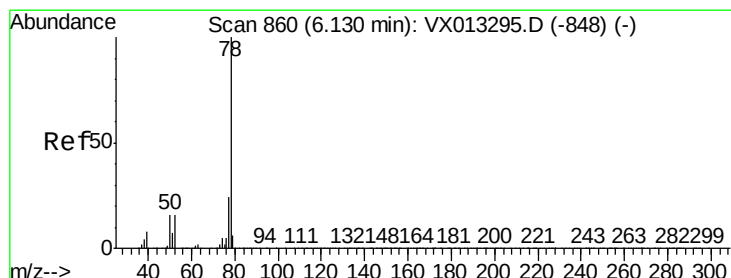
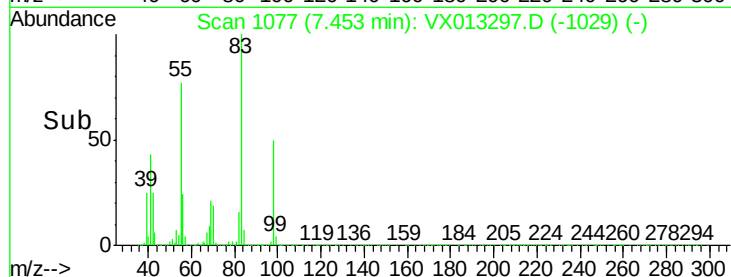
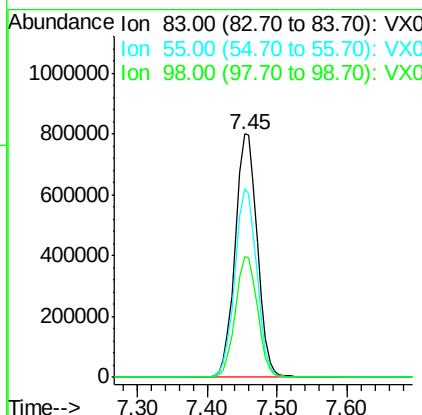
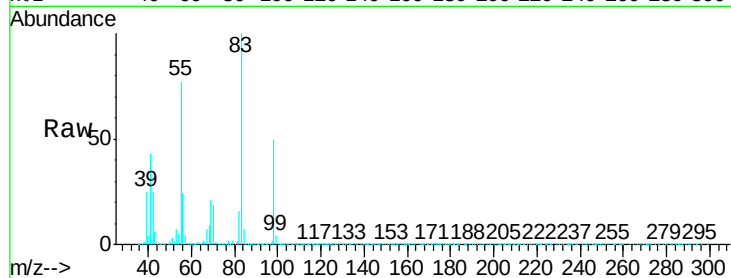
#39
Methylcyclohexane
Concen: 153.442 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.3	90.5
98	49.7	40.3	60.5

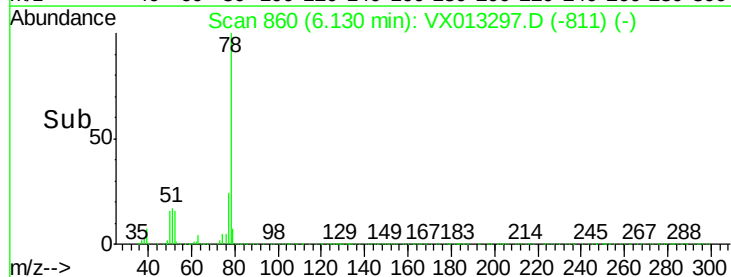
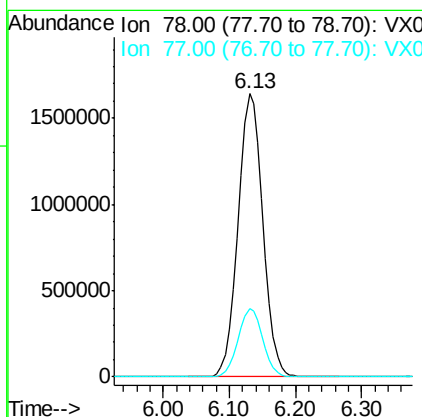
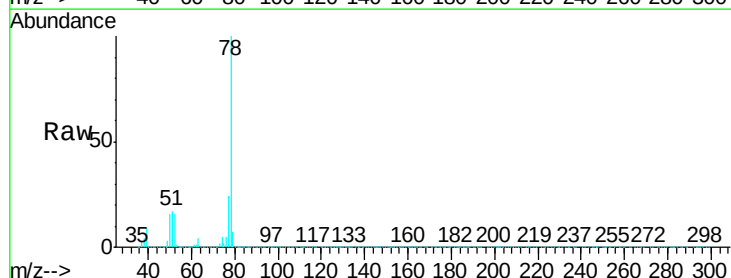
Manual Integrations
APPROVED

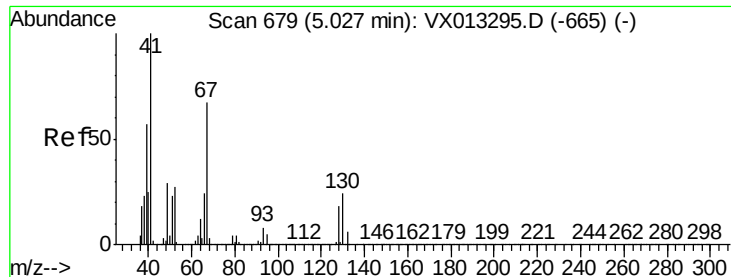
MMDadoda
11/4/2019 3:41:18 PM



#40
Benzene
Concen: 155.670 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





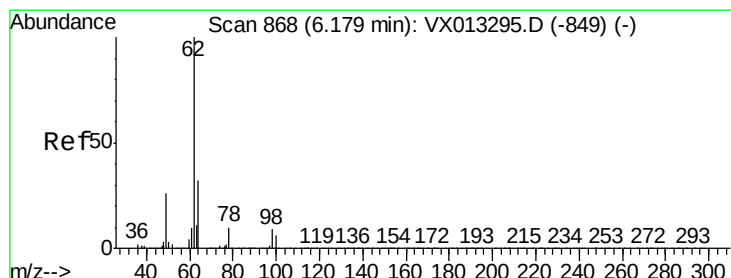
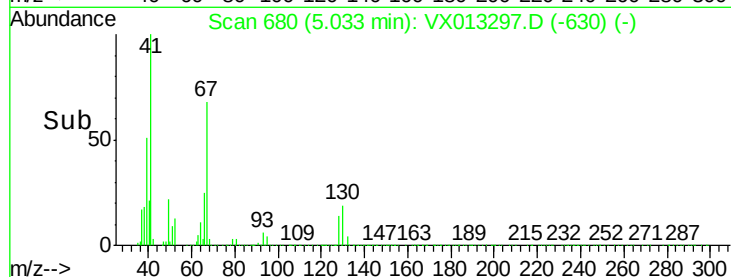
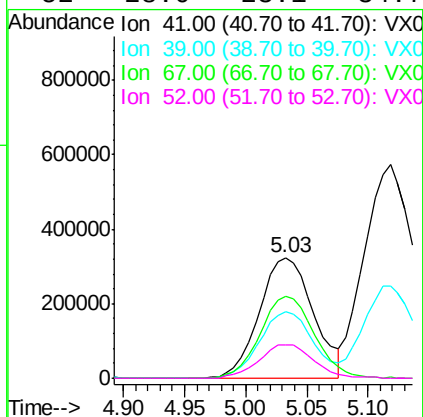
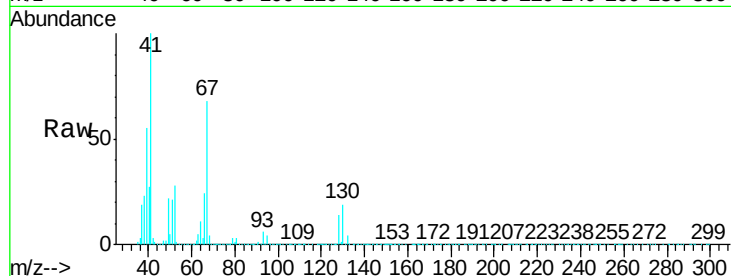
#41
Methacrylonitrile
Concen: 183.689 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	45.0	67.6	
67	68.1	55.4	83.2	
52	28.0	23.1	34.7	

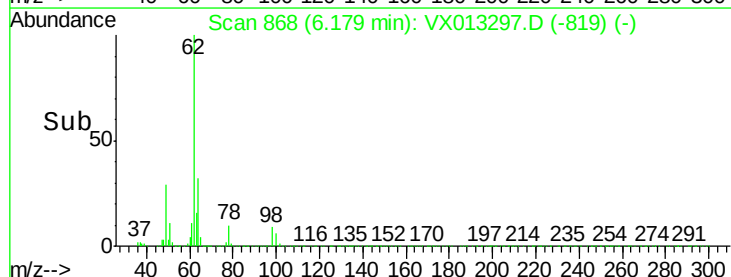
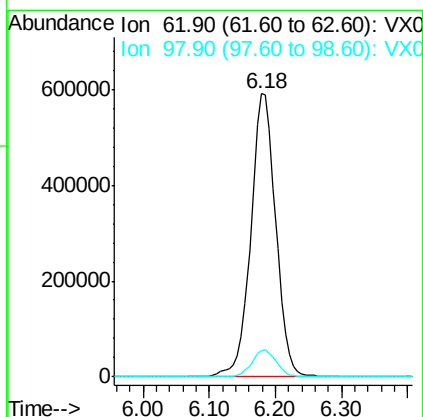
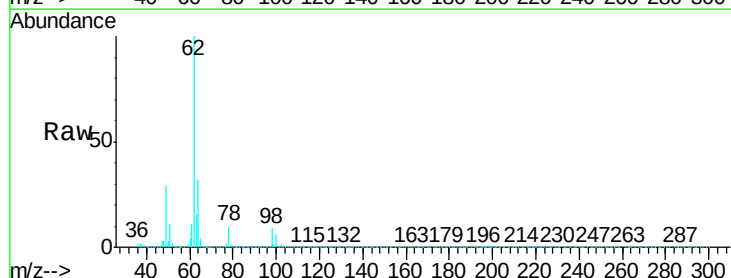
Manual Integrations
APPROVED

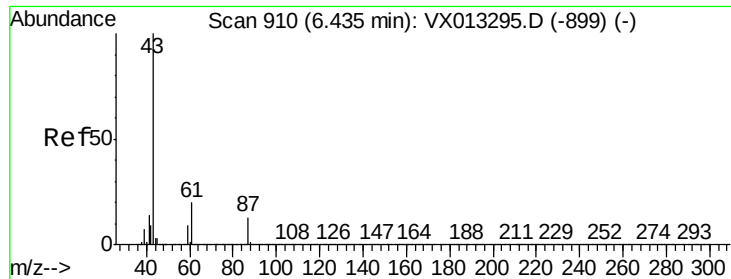
MMDadoda
11/4/2019 3:41:18 PM



#42
1,2-Dichloroethane
Concen: 160.430 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.4	





#43

Isopropyl Acetate

Concen: 183.741 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

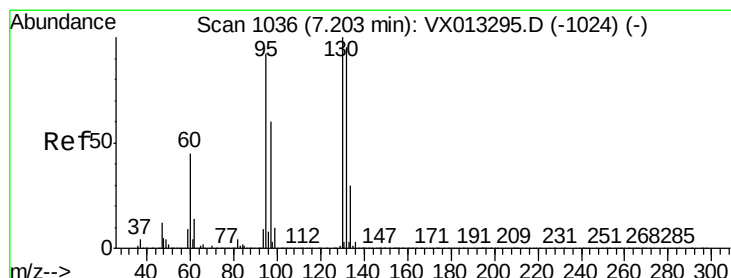
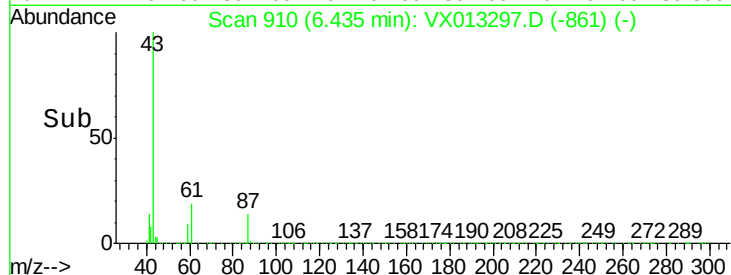
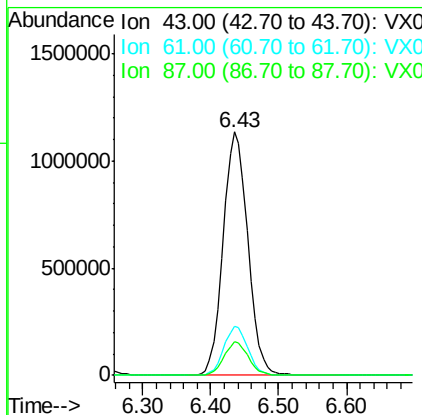
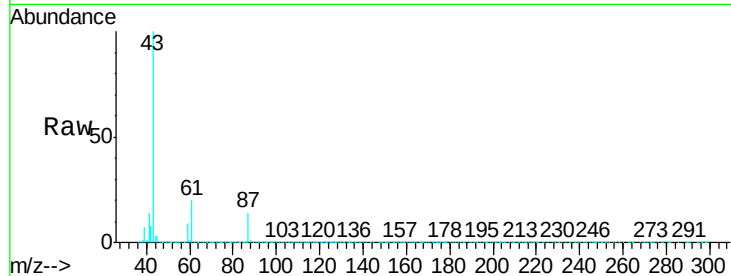
ClientSampleId :

VSTDICC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	13.4	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#44

Trichloroethene

Concen: 148.139 ug/l

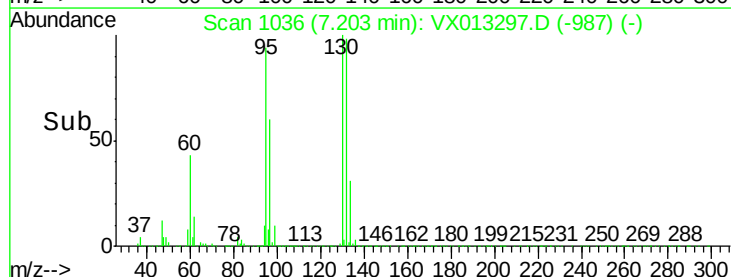
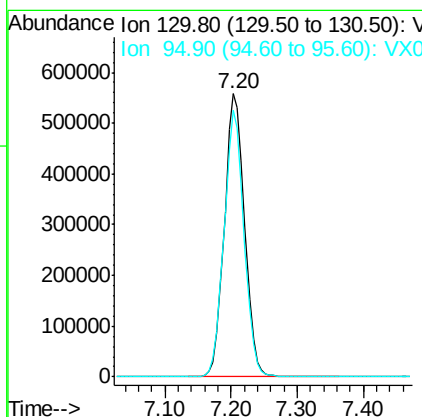
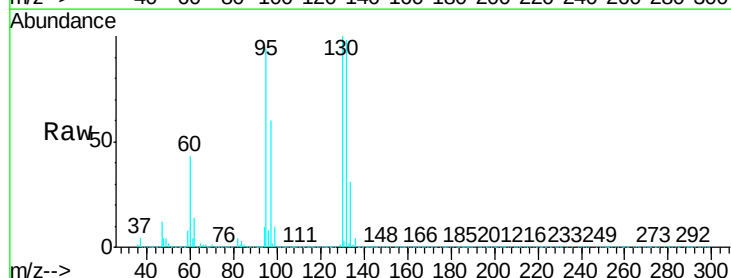
RT: 7.20 min Scan# 1036

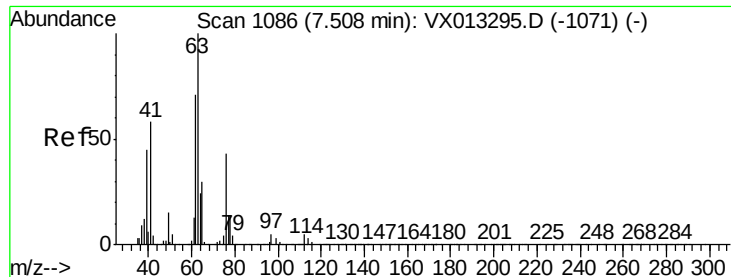
Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	184.8





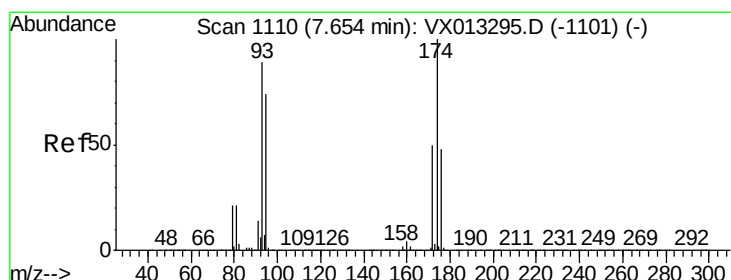
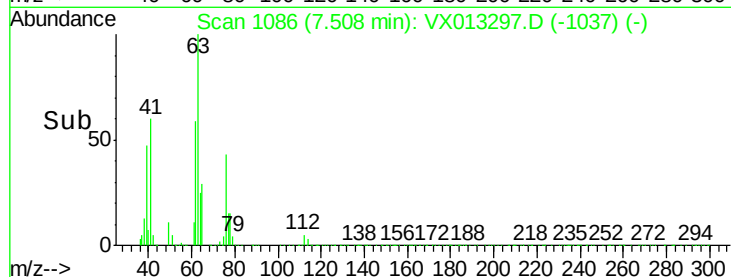
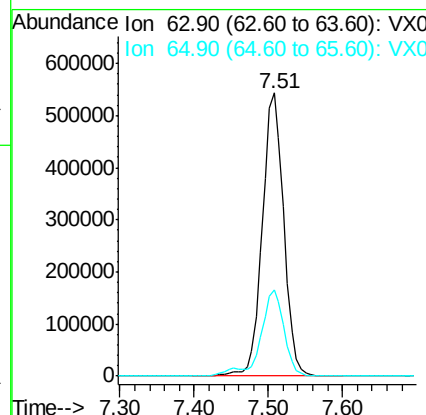
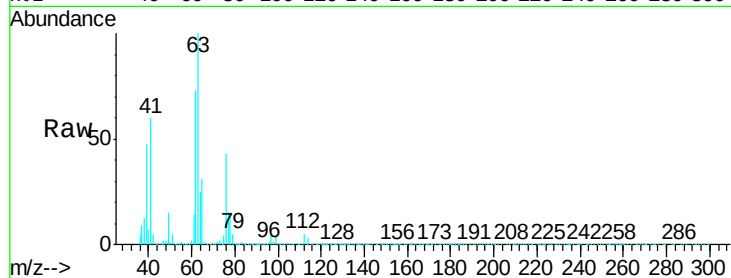
#45
 1,2-Dichloropropane
 Concen: 157.082 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1098767
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5

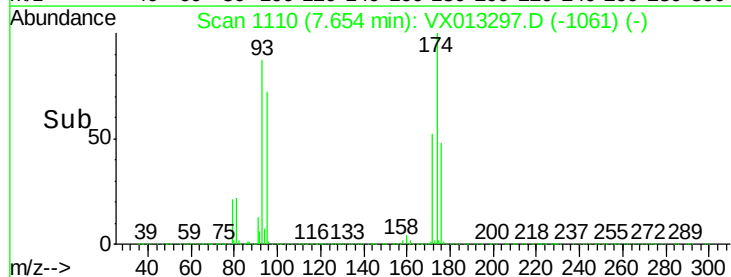
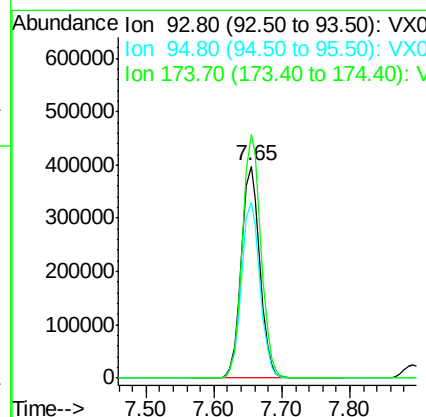
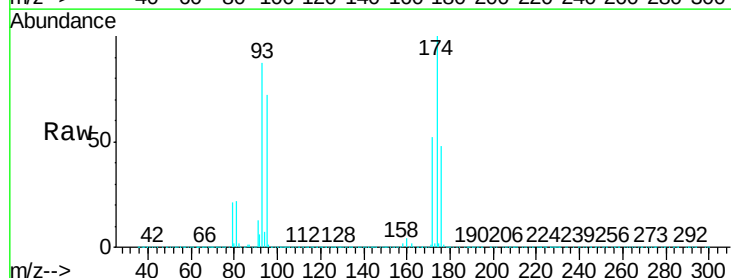
Manual Integrations
 APPROVED

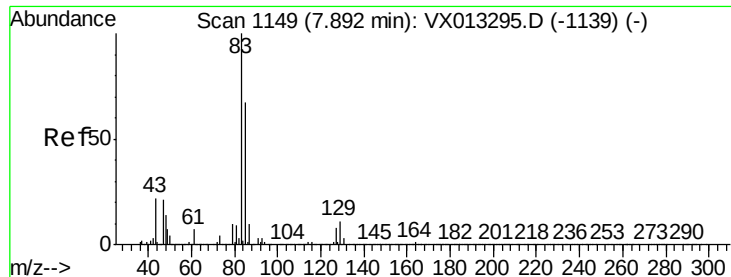
MMDadoda
 11/4/2019 3:41:18 PM



#46
 Dibromomethane
 Concen: 151.685 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Tgt Ion: 93 Resp: 749658
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.6
 174 115.9 90.4 135.6





#47

Bromodichloromethane

Concen: 170.564 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

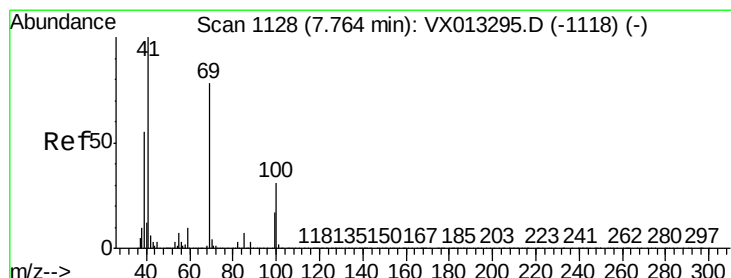
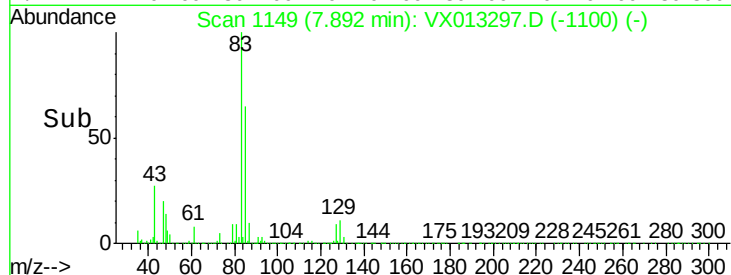
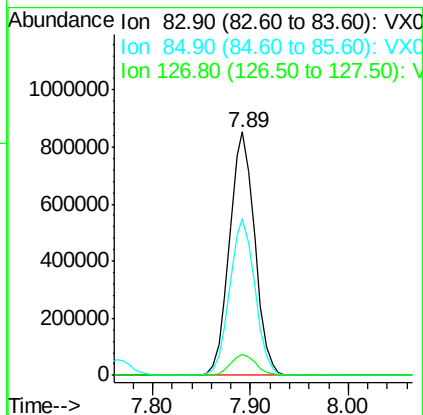
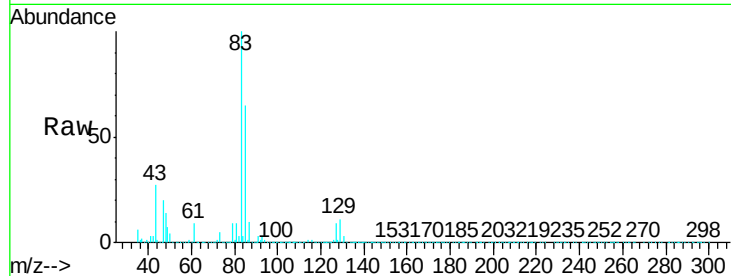
ClientSampleId :

VSTDICC150

Tgt Ion:	83	Resp:	1519792
Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.7	80.5
127	8.7	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#48

Methyl methacrylate

Concen: 189.945 ug/l

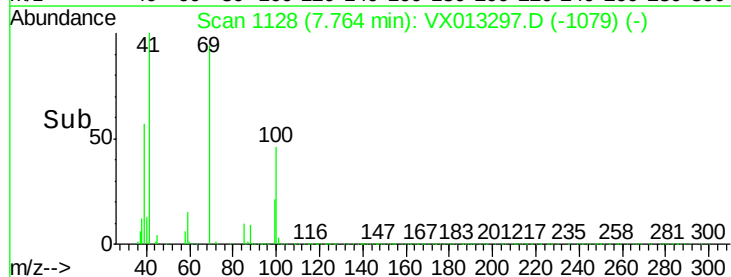
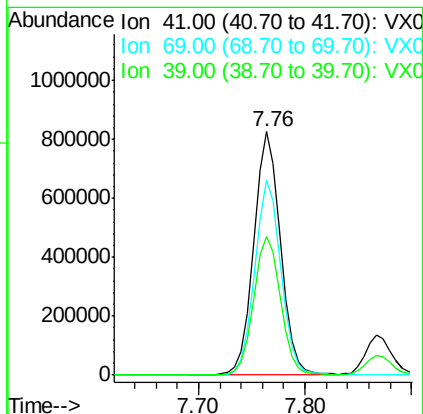
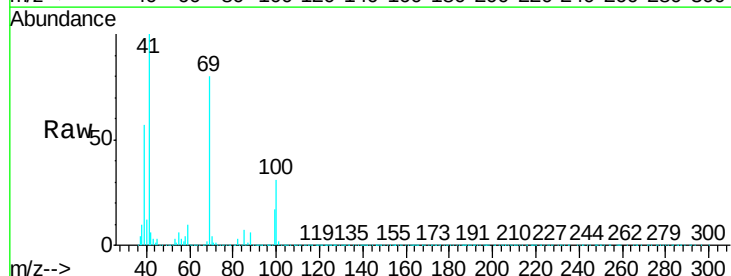
RT: 7.76 min Scan# 1128

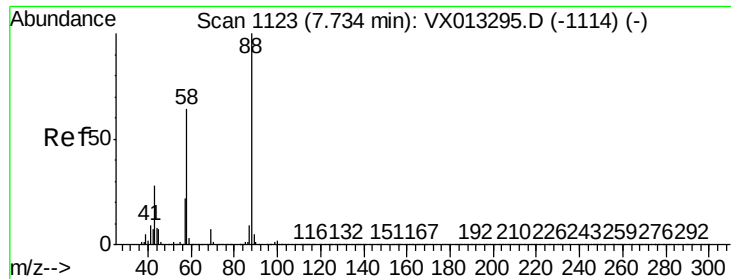
Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Tgt Ion:	41	Resp:	1451199
Ion	Ratio	Lower	Upper
41	100		
69	79.5	63.0	94.6
39	57.6	45.9	68.9





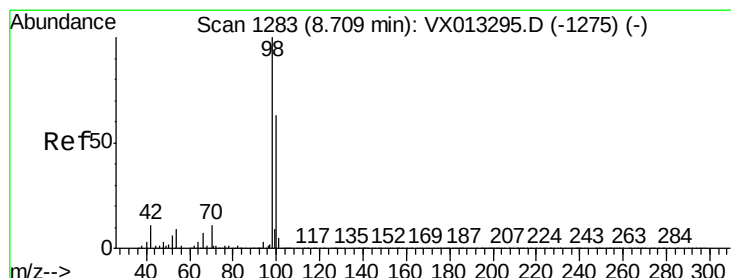
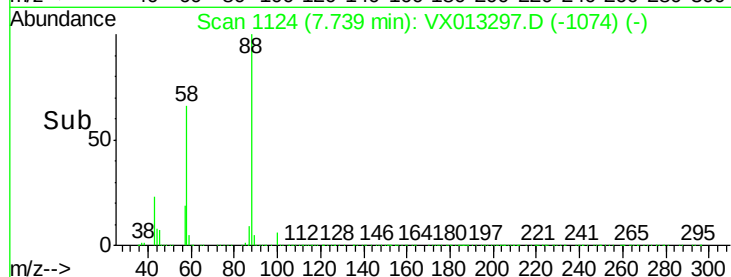
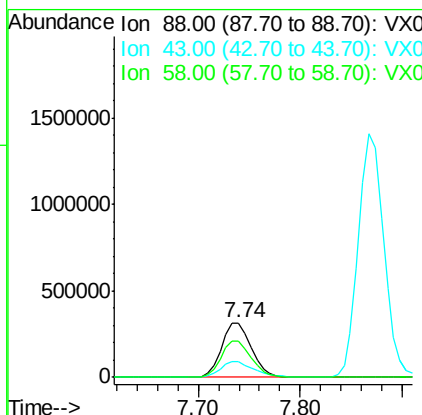
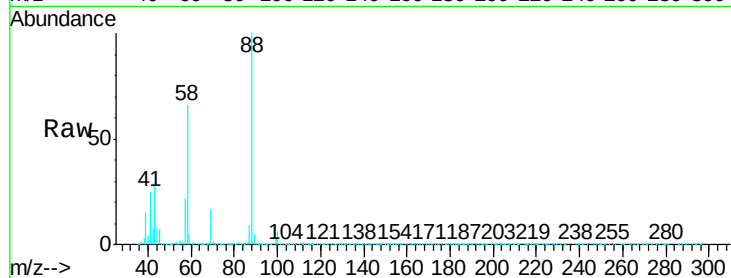
#49
1,4-Dioxane
Concen: 3109.766 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.6	39.8
58	68.3	55.0	82.6

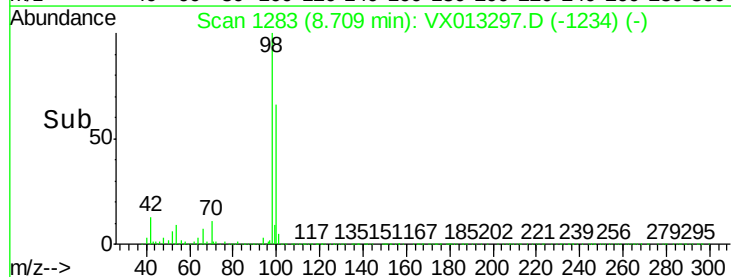
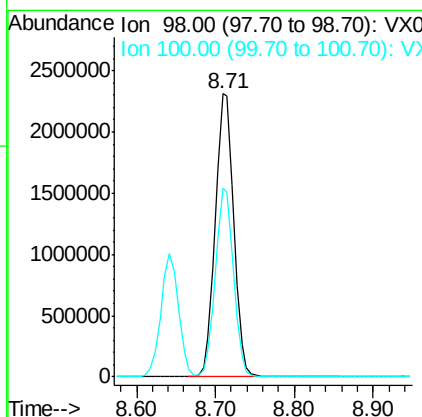
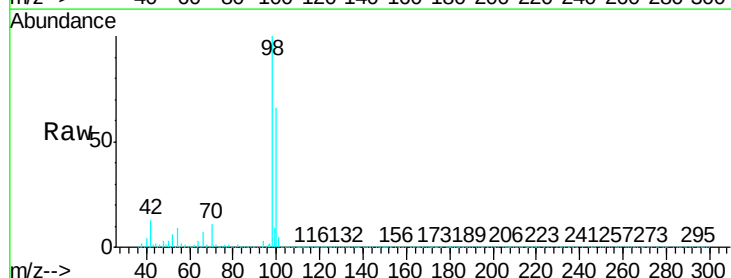
Manual Integrations
APPROVED

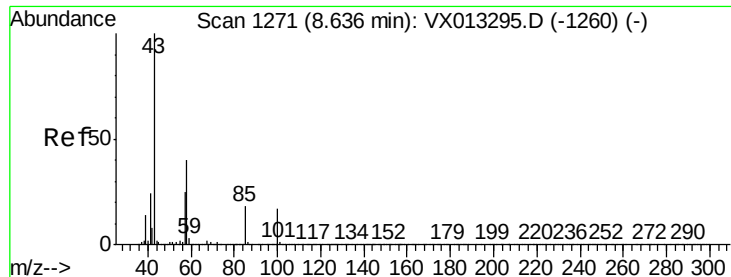
MMDadoda
11/4/2019 3:41:18 PM



#50
Toluene-d8
Concen: 147.621 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





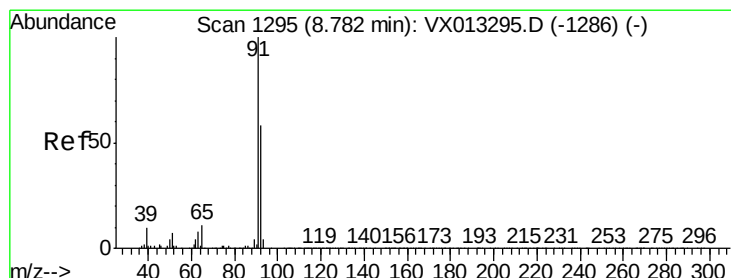
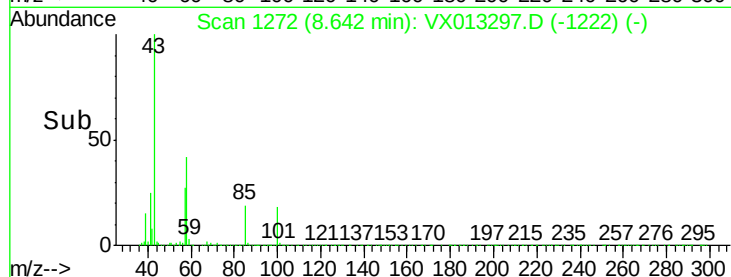
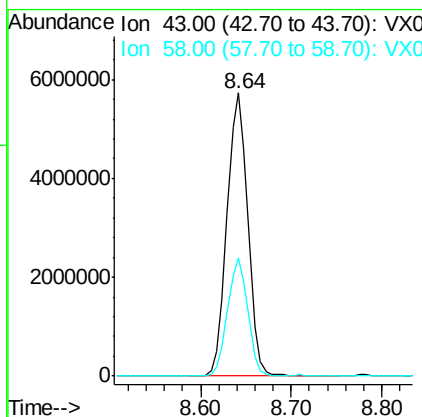
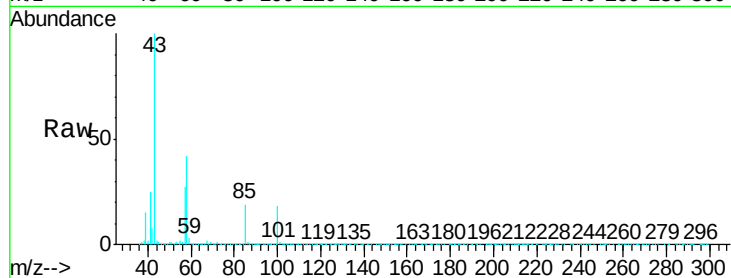
#51
4-Methyl-2-Pentanone
Concen: 909.746 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 9144827
Ion Ratio Lower Upper
43 100
58 40.4 31.4 47.0

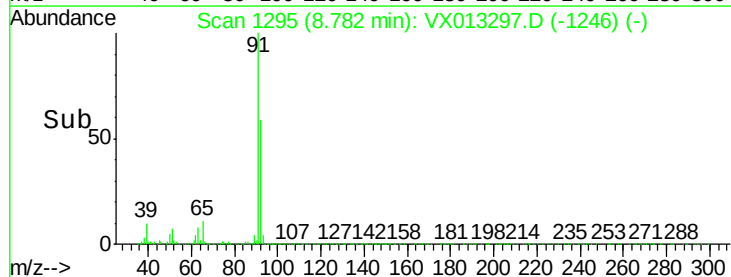
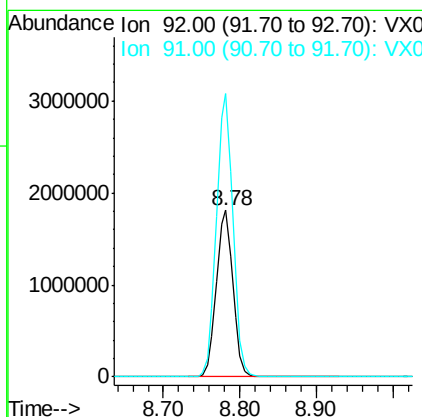
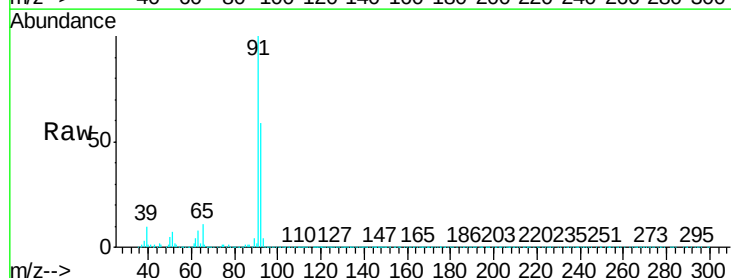
Manual Integrations
APPROVED

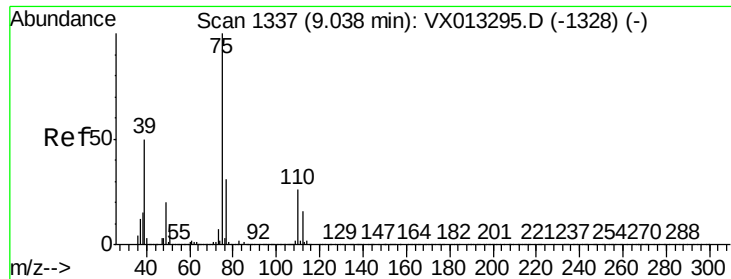
MMDadoda
11/4/2019 3:41:18 PM



#52
Toluene
Concen: 152.077 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 92 Resp: 2713223
Ion Ratio Lower Upper
92 100
91 170.1 138.0 207.0





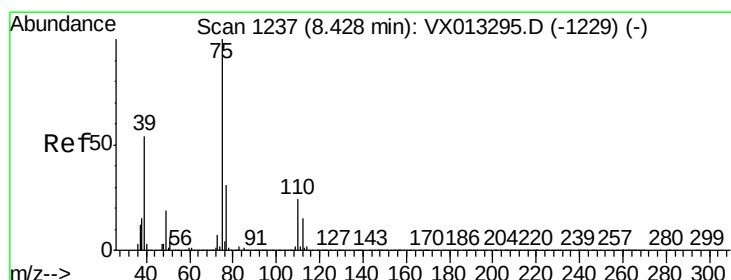
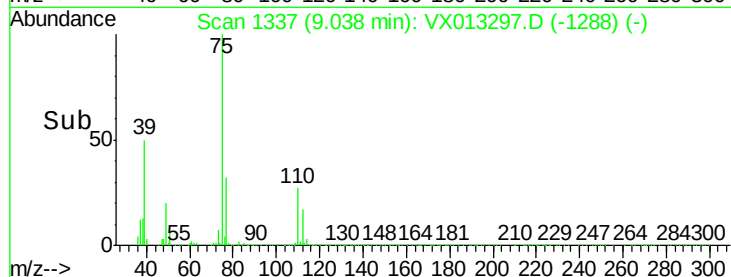
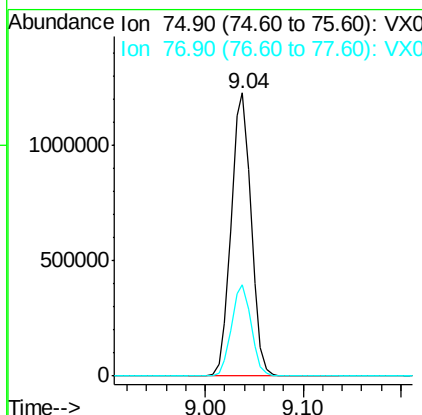
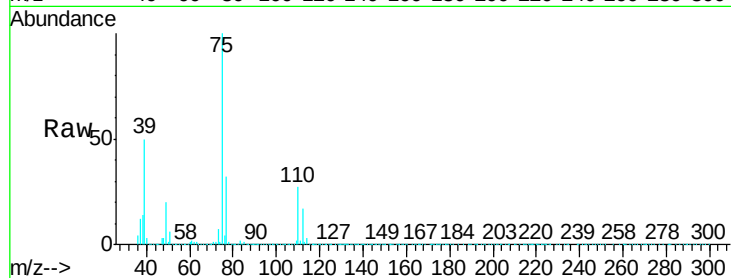
#53
t-1,3-Dichloropropene
Concen: 181.293 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 1742770
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4

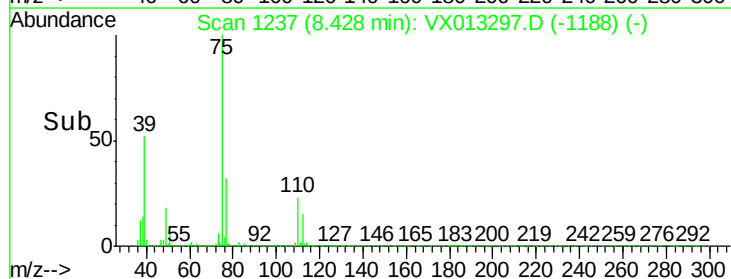
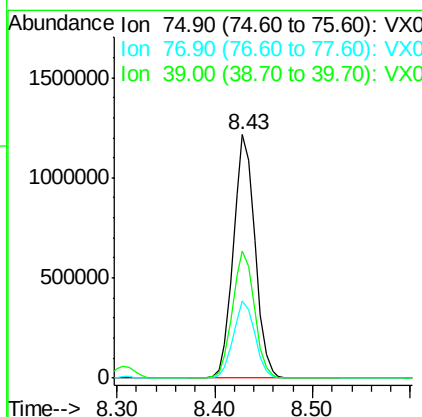
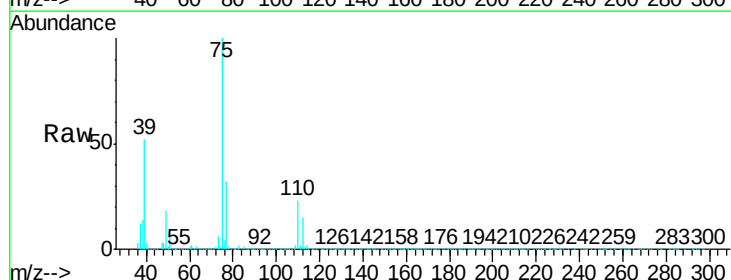
Manual Integrations
APPROVED

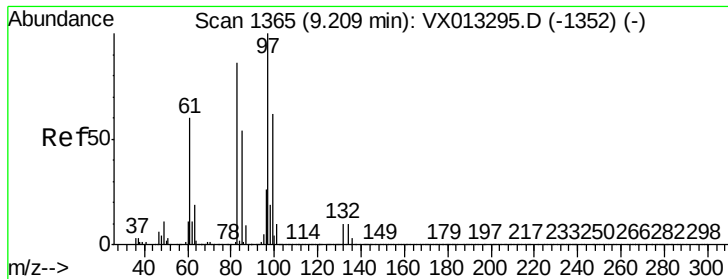
MMDadoda
11/4/2019 3:41:18 PM



#54
cis-1,3-Dichloropropene
Concen: 174.974 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 75 Resp: 1863970
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1
39 52.1 43.0 64.6





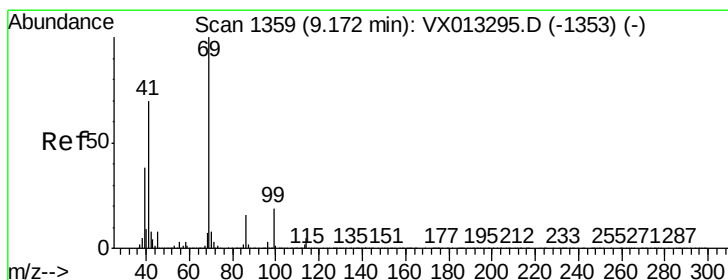
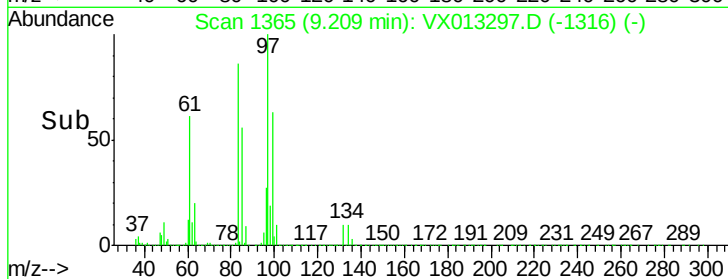
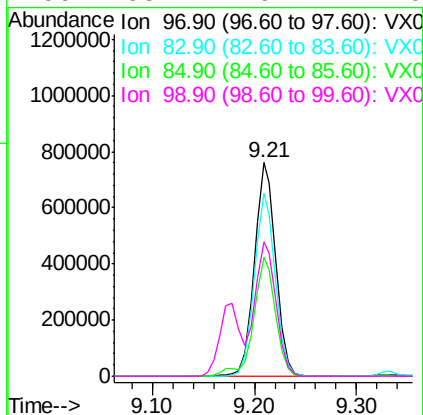
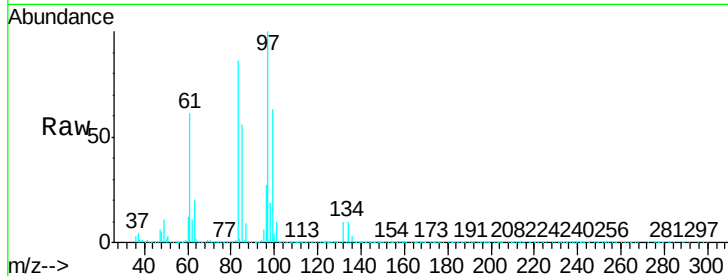
#55
 1,1,2-Trichloroethane
 Concen: 151.696 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.6	103.0
85	55.6	43.1	64.7
99	63.2	49.4	74.0

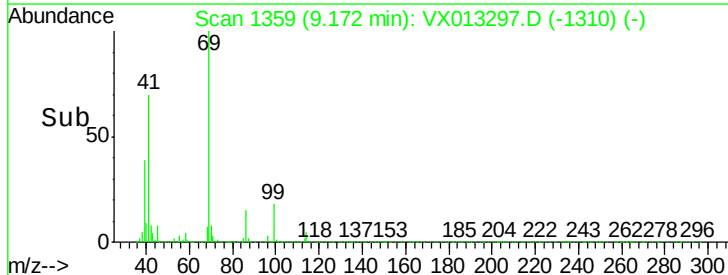
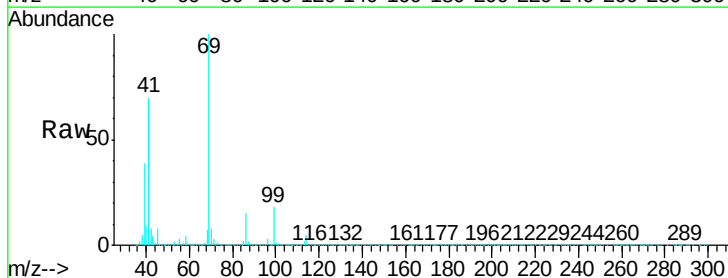
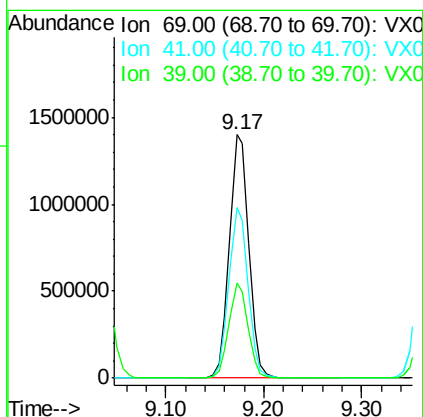
Manual Integrations
 APPROVED

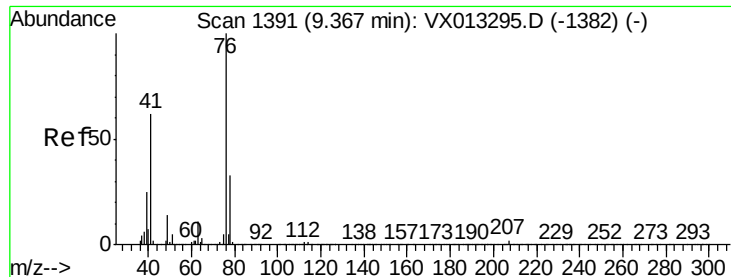
MMDadoda
 11/4/2019 3:41:18 PM



#56
 Ethyl methacrylate
 Concen: 178.187 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.2	84.2
39	38.5	31.1	46.7





#57

1,3-Dichloropropane

Concen: 158.890 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 1877600

Ion Ratio Lower Upper

76 100

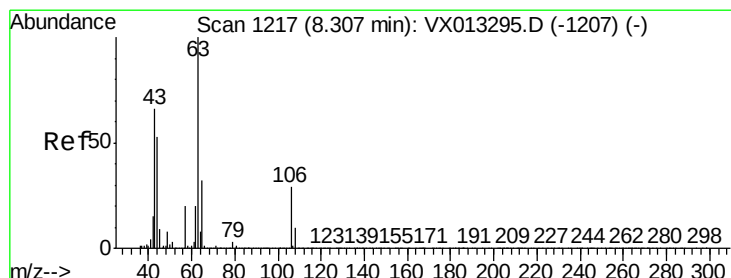
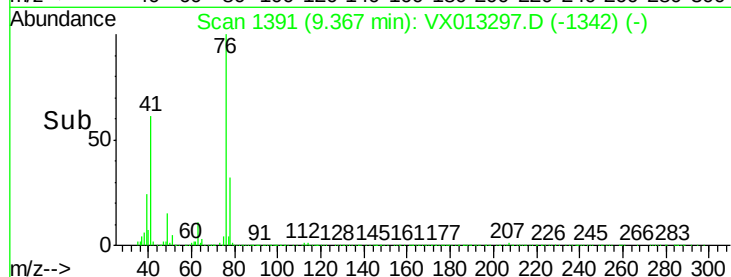
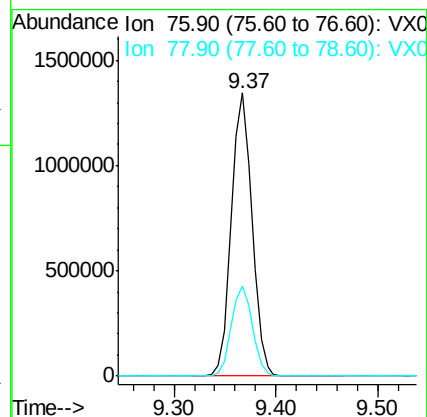
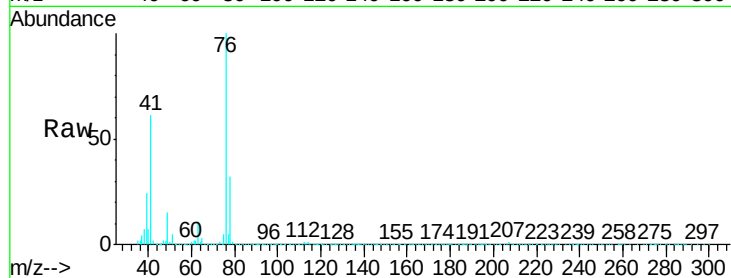
78 32.5 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#58

2-Chloroethyl Vinyl ether

Concen: 794.661 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013297.D

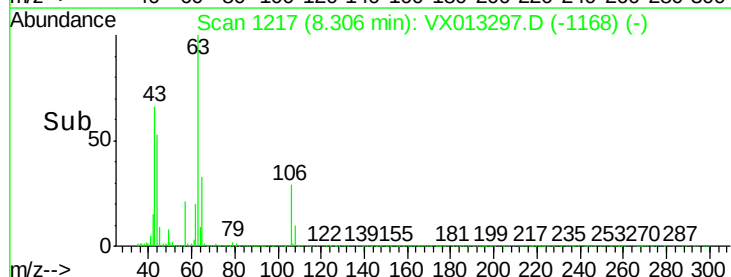
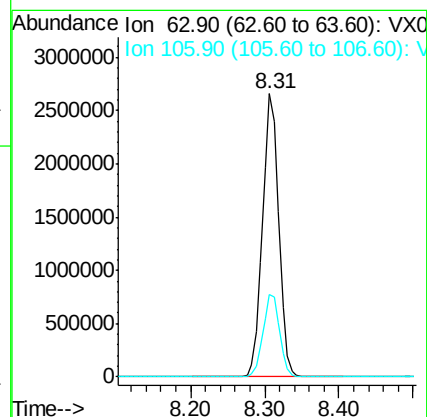
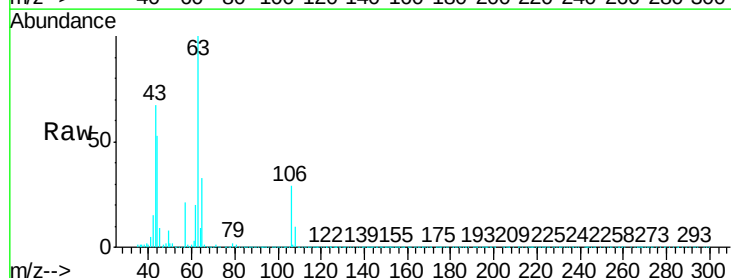
Acq: 31 Oct 2019 18:15

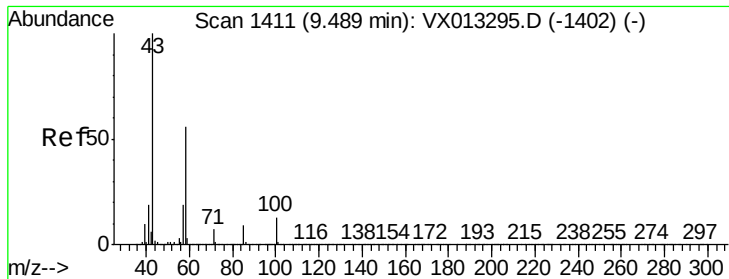
Tgt Ion: 63 Resp: 4082594

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.2





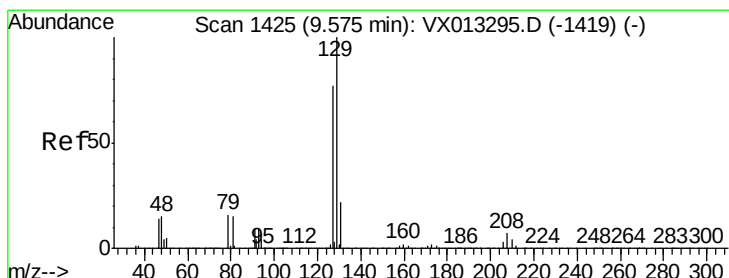
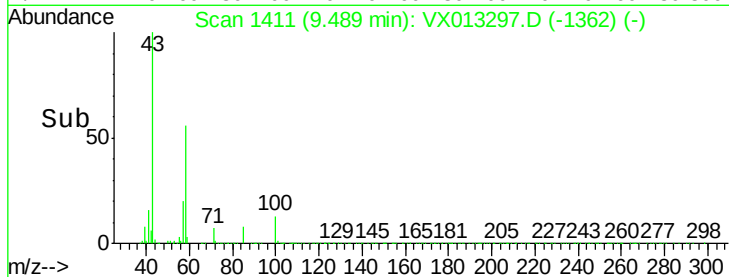
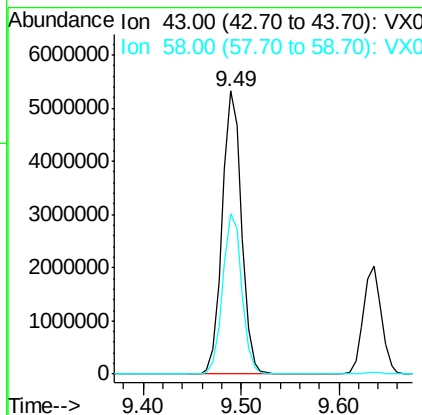
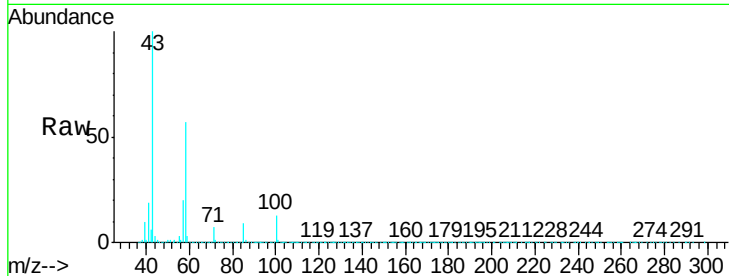
#59
2-Hexanone
Concen: 934.733 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 7272028
Ion Ratio Lower Upper
43 100
58 56.2 27.3 81.8

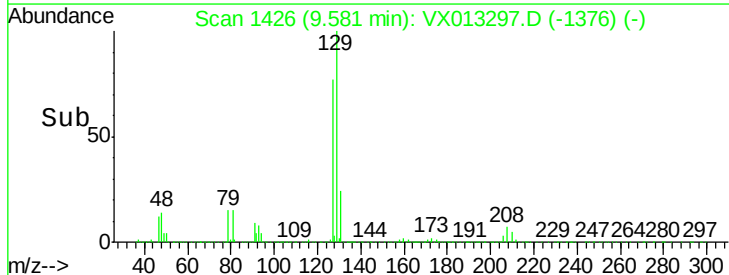
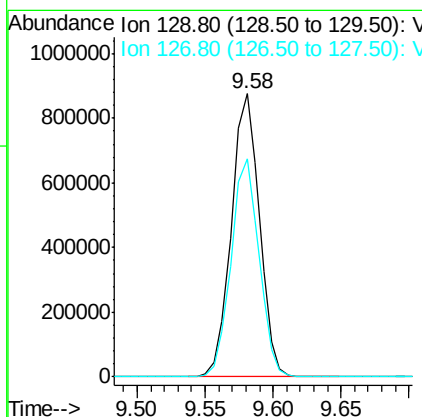
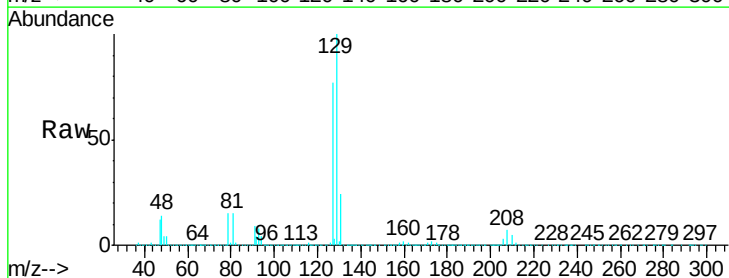
Manual Integrations
APPROVED

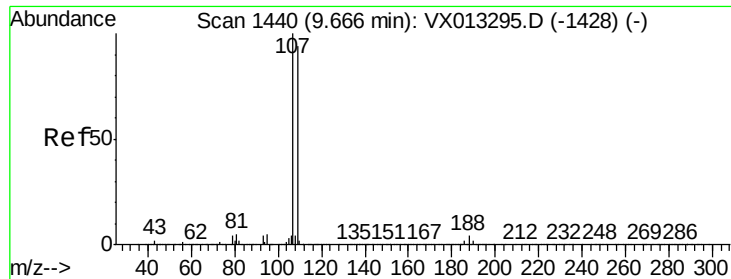
MMDadoda
11/4/2019 3:41:18 PM



#60
Dibromochloromethane
Concen: 168.996 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 129 Resp: 1255550
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 155.587 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 1213197

Ion Ratio Lower Upper

107 100

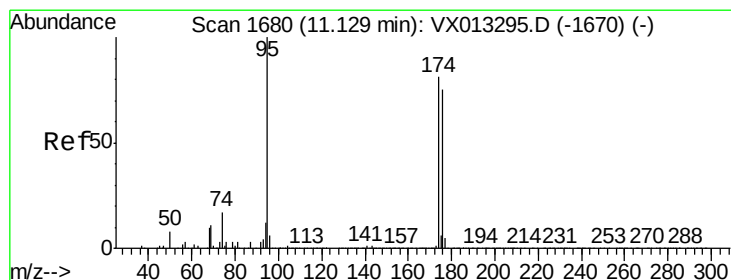
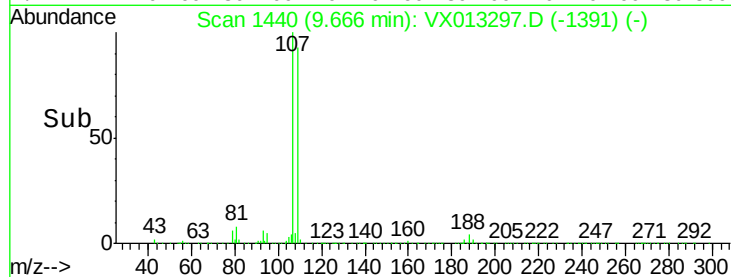
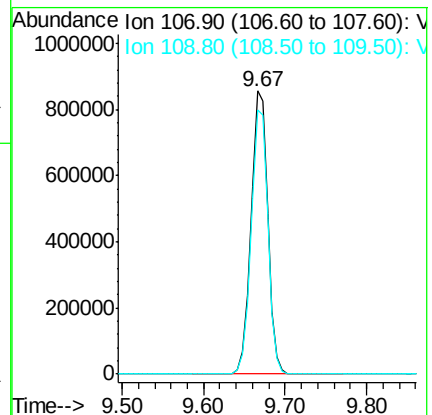
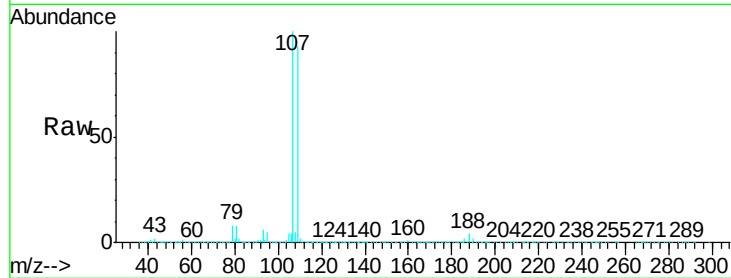
109 94.3 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#62

4-Bromofluorobenzene

Concen: 154.941 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

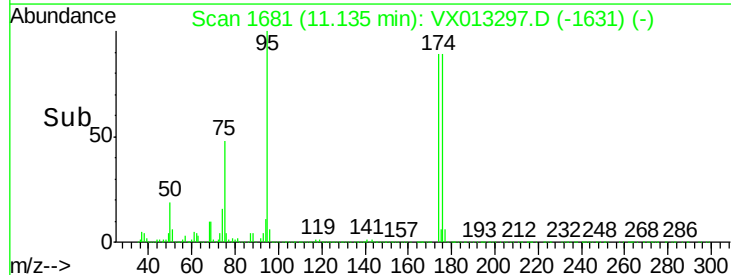
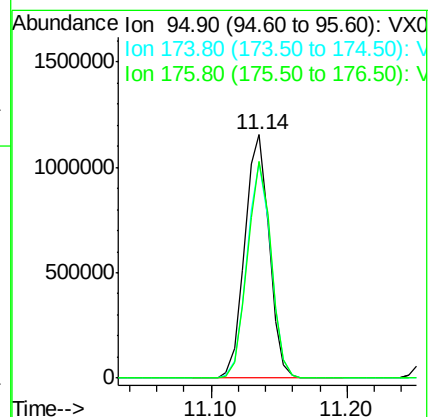
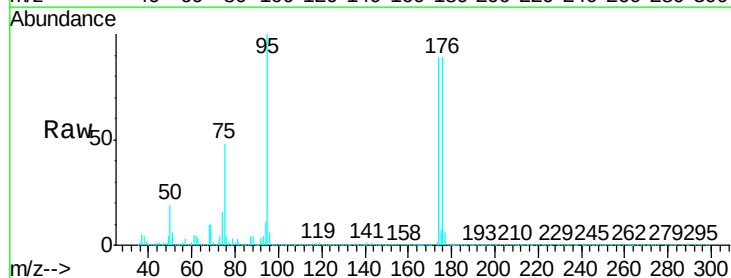
Tgt Ion: 95 Resp: 1440446

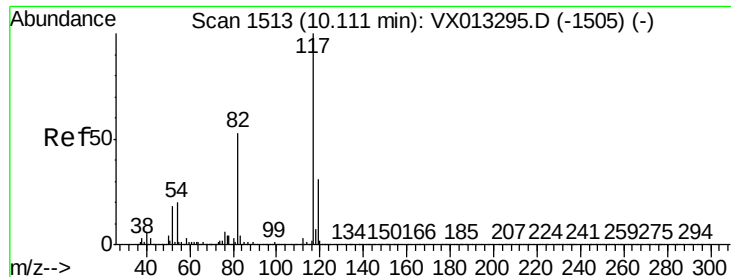
Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.8

176 87.2 0.0 173.0





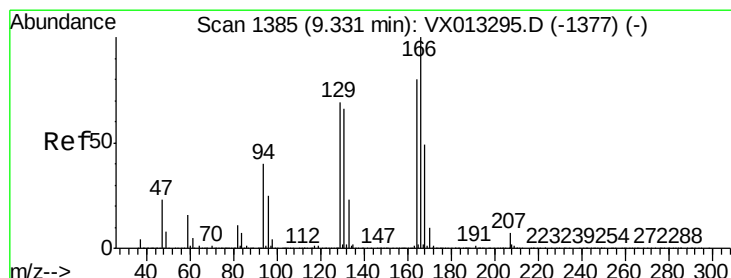
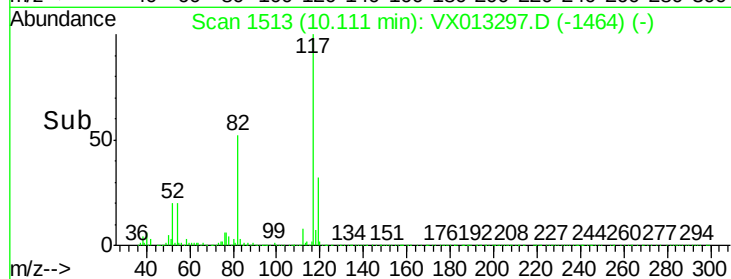
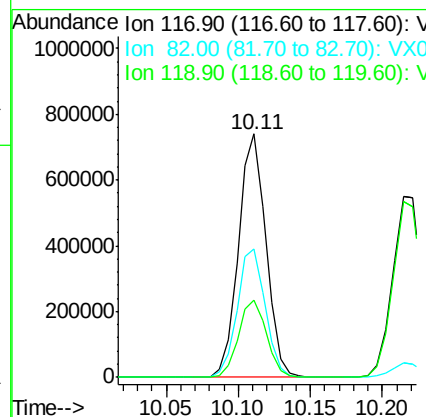
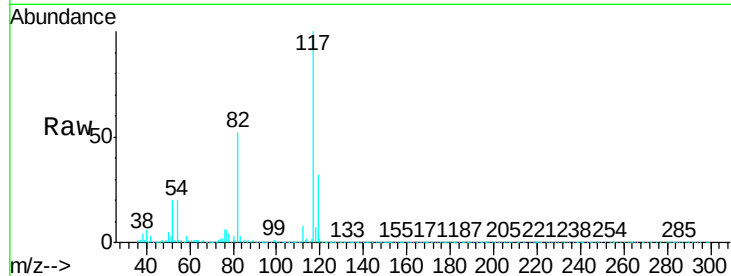
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	52.5	42.6	64.0
119	31.9	24.8	37.2

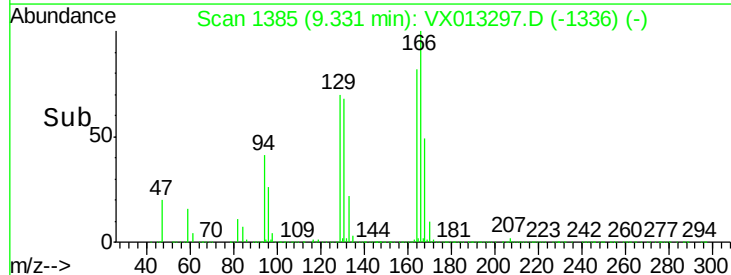
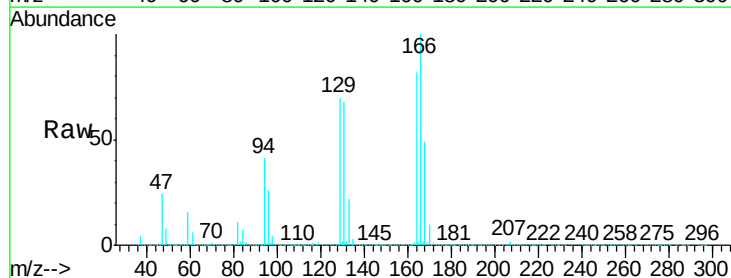
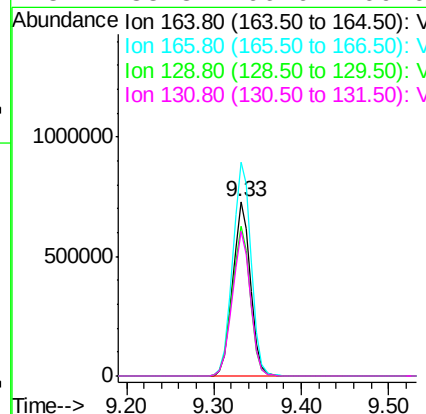
Manual Integrations
APPROVED

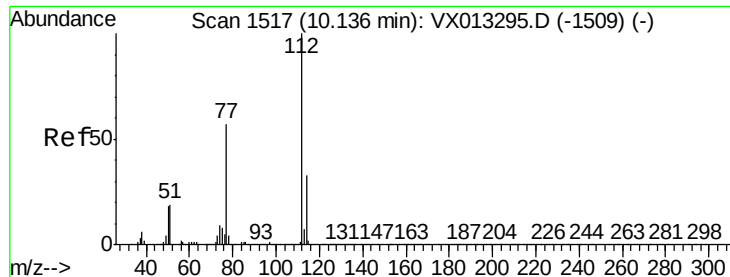
MMDadoda
11/4/2019 3:41:18 PM



#64
Tetrachloroethene
Concen: 133.818 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	122.7	100.4	150.6
129	86.3	69.4	104.2
131	83.3	66.6	100.0





#65

Chlorobenzene

Concen: 145.950 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:112 Resp: 2962856

Ion Ratio Lower Upper

112 100

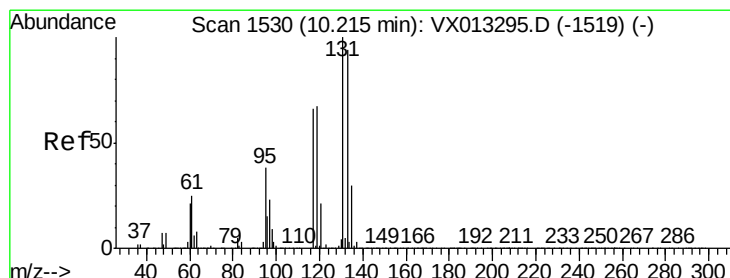
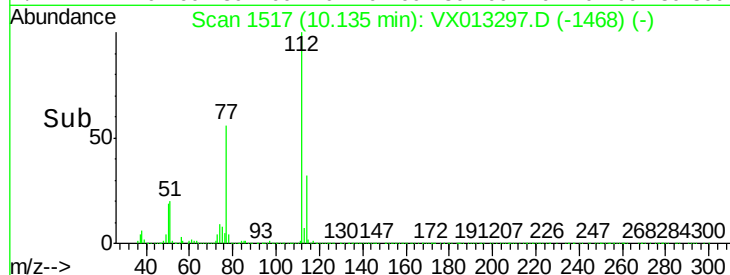
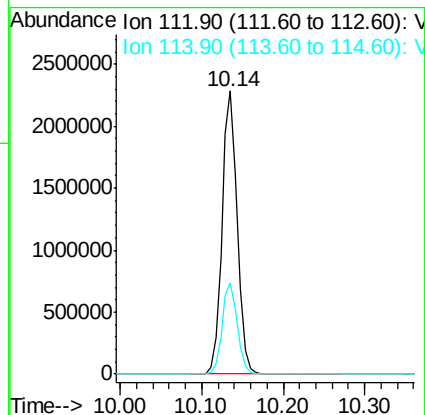
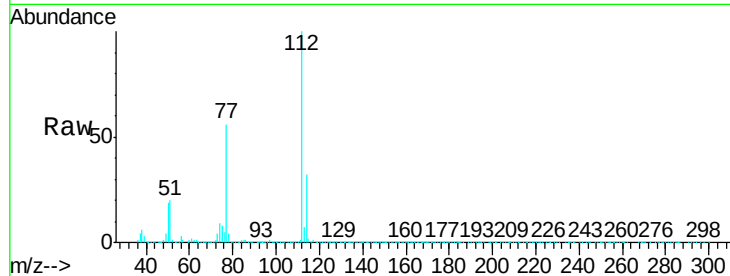
114 32.2 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 160.771 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

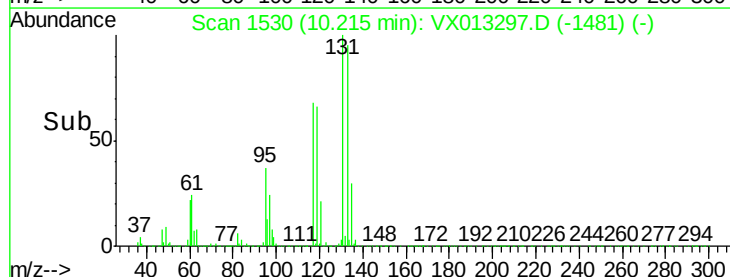
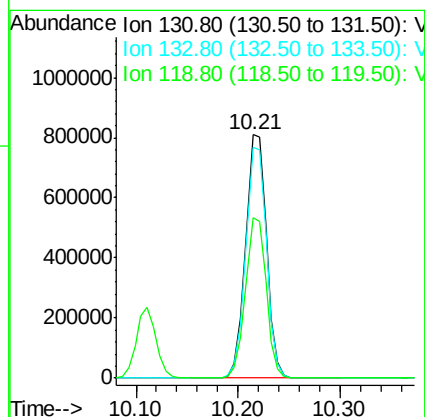
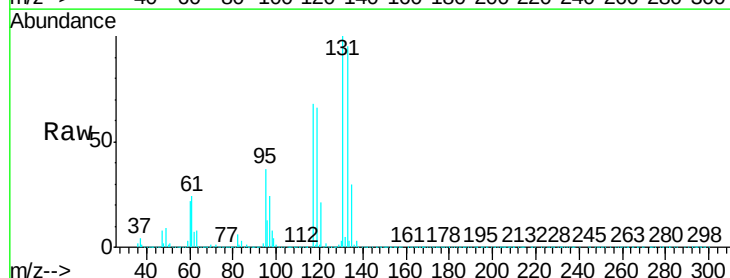
Tgt Ion:131 Resp: 1148150

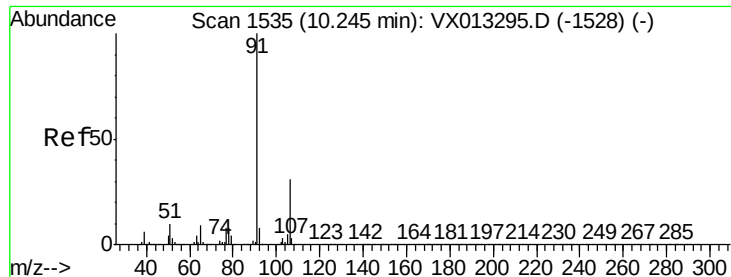
Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.0

119 65.3 33.0 99.0





#67

Ethyl Benzene

Concen: 150.532 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 5209274

Ion Ratio Lower Upper

91 100

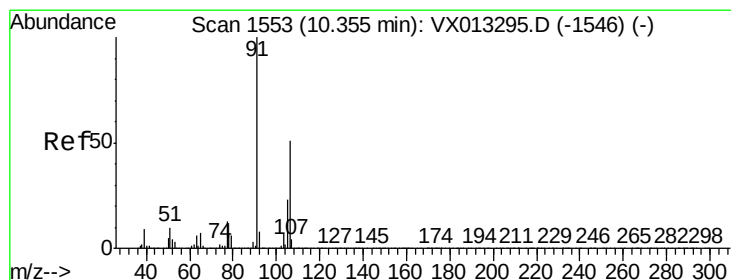
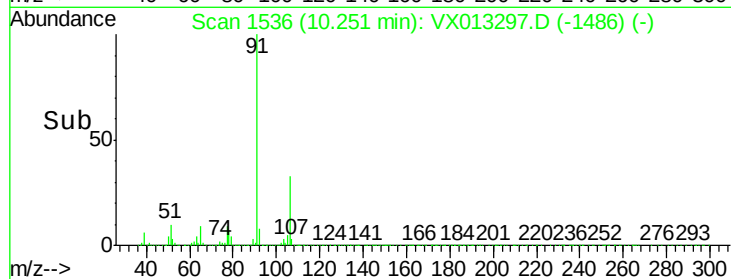
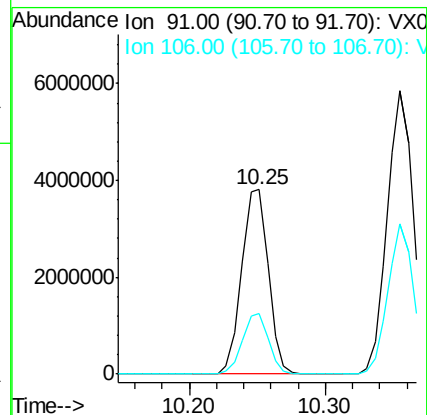
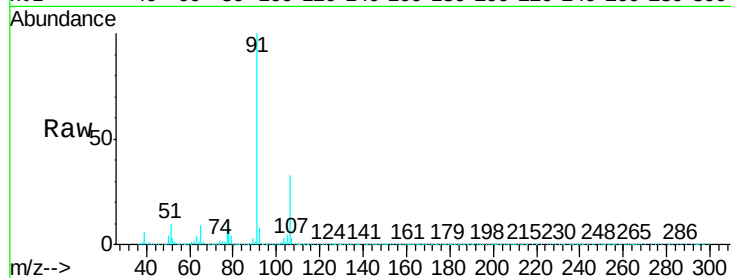
106 32.7 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#68

m/p-Xylenes

Concen: 305.217 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013297.D

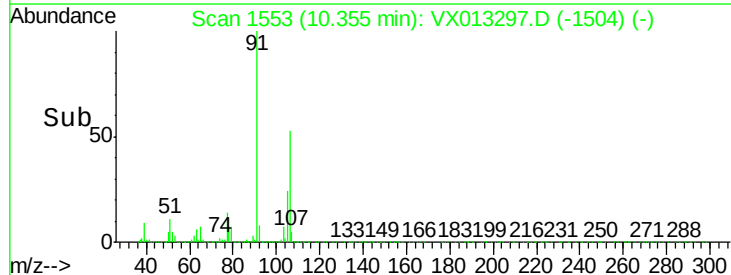
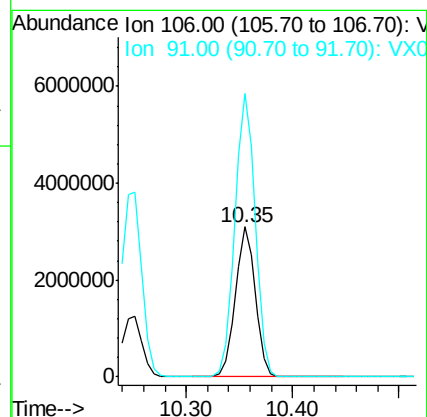
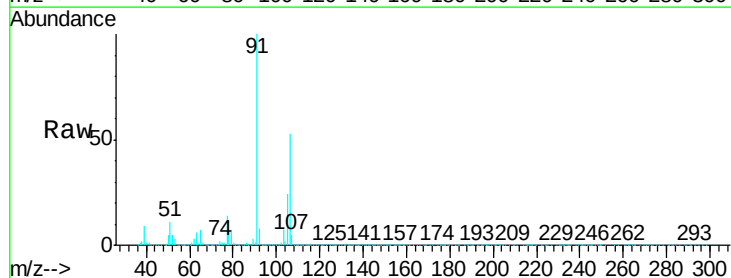
Acq: 31 Oct 2019 18:15

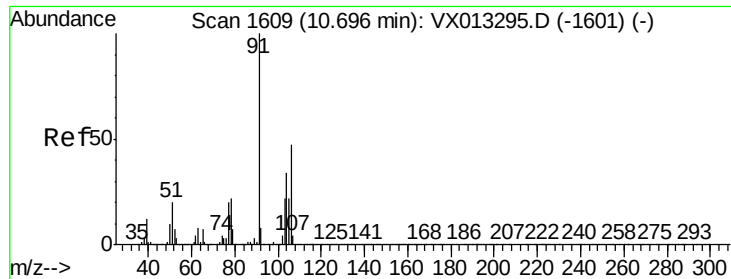
Tgt Ion: 106 Resp: 4051193

Ion Ratio Lower Upper

106 100

91 193.7 159.3 238.9





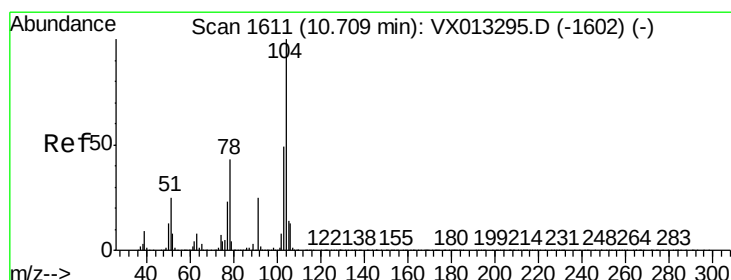
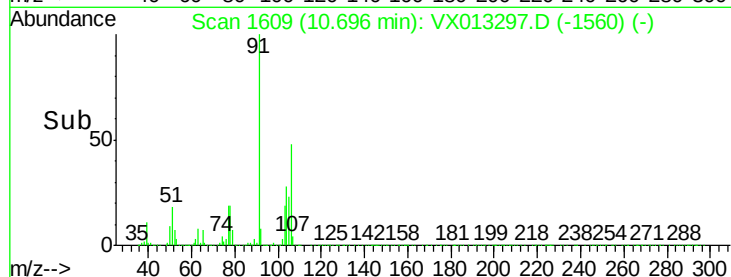
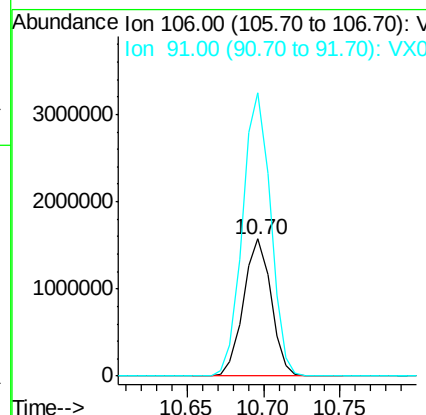
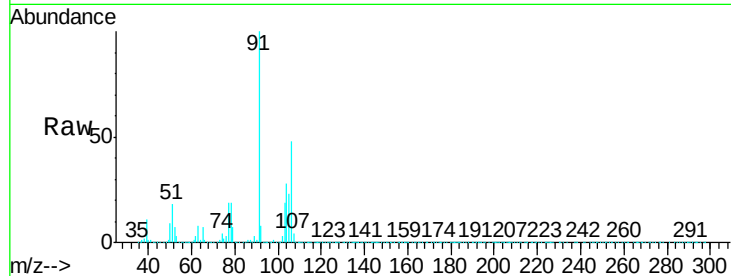
#69
o-Xylene
Concen: 152.462 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1968373
Ion Ratio Lower Upper
106 100
91 210.0 105.7 317.0

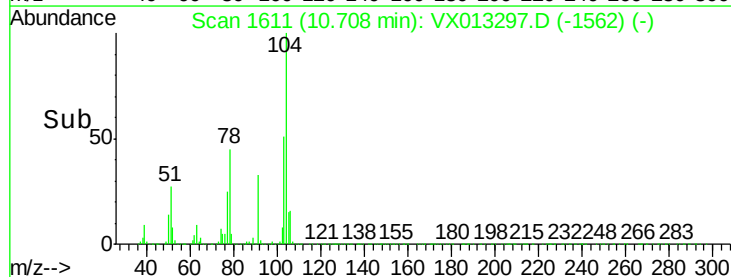
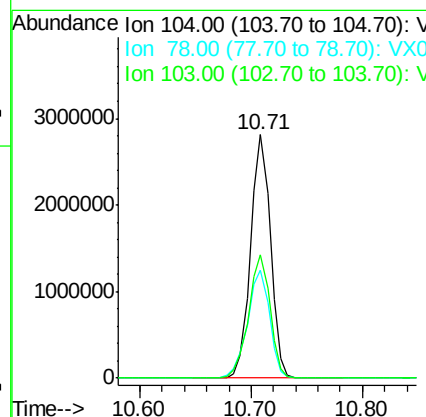
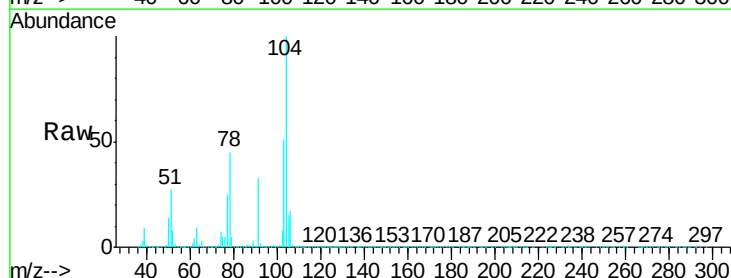
Manual Integrations
APPROVED

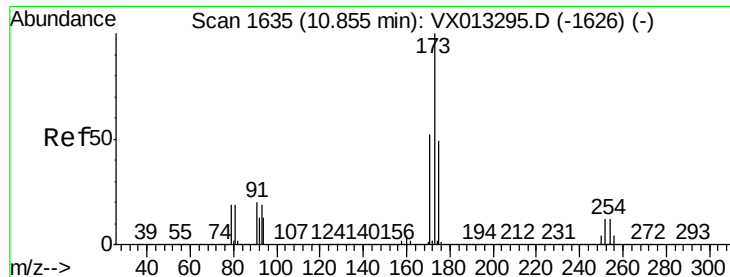
MMDadoda
11/4/2019 3:41:18 PM



#70
Styrene
Concen: 161.874 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion:104 Resp: 3488753
Ion Ratio Lower Upper
104 100
78 49.5 40.0 60.0
103 54.8 44.1 66.1





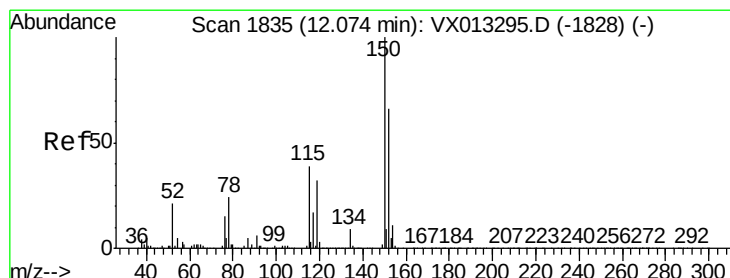
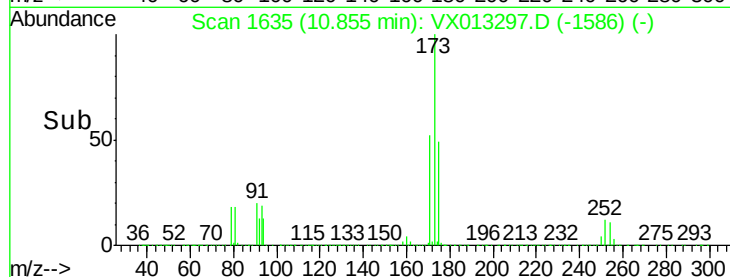
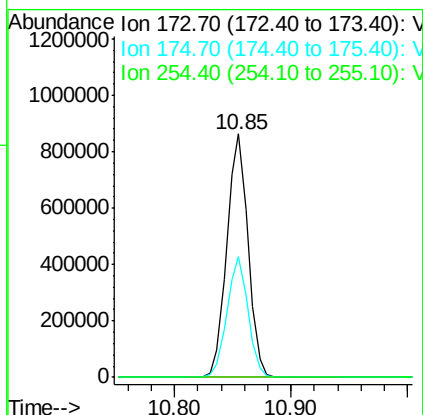
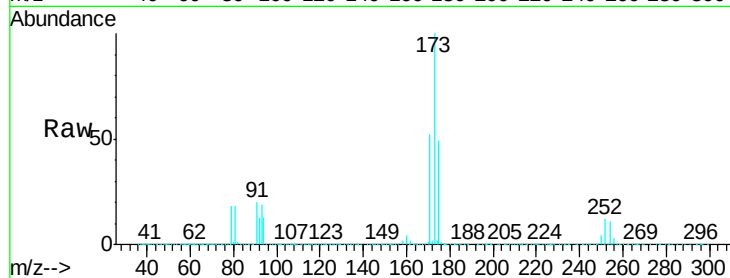
#71
Bromoform
Concen: 190.324 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.8	74.4
254	0.2	0.2	0.2

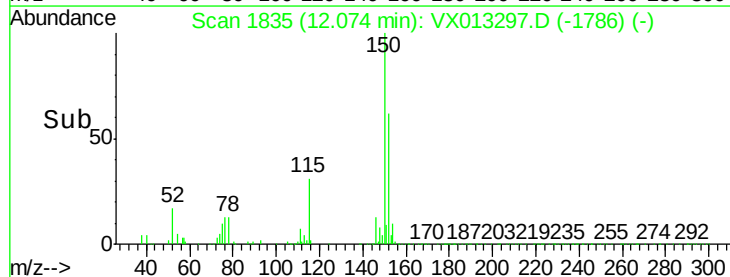
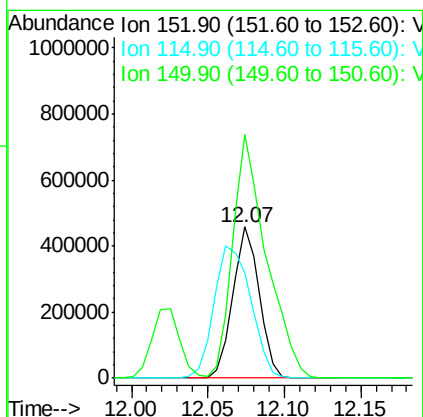
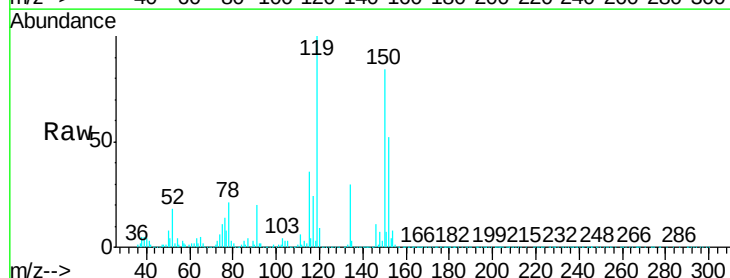
Manual Integrations
APPROVED

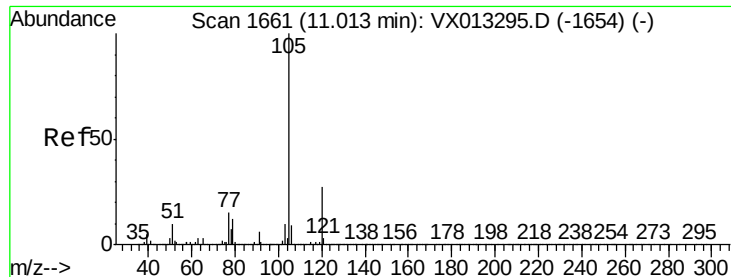
MMDadoda
11/4/2019 3:41:18 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	121.6	39.5	118.3#
150	205.1	0.0	344.4





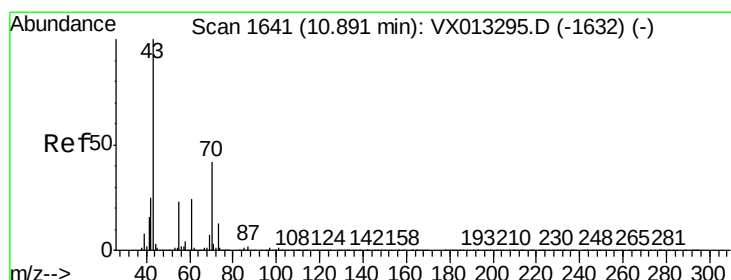
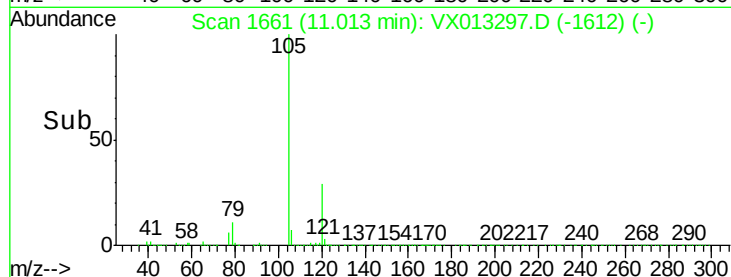
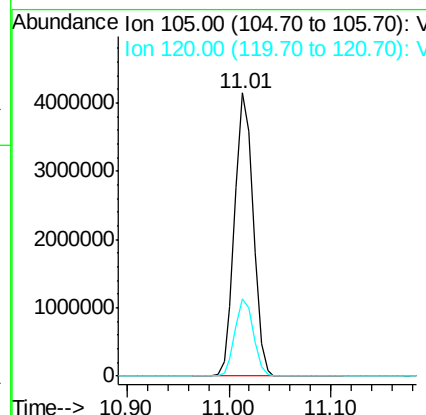
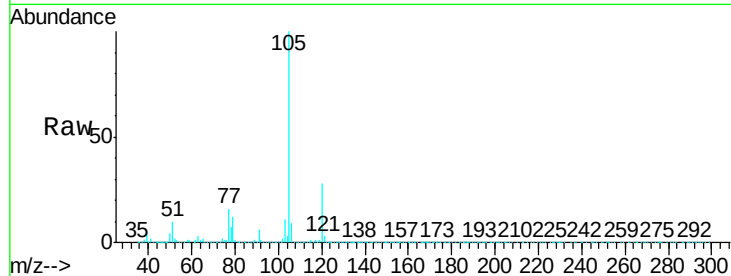
#73
Isopropylbenzene
Concen: 139.089 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 5175675
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5

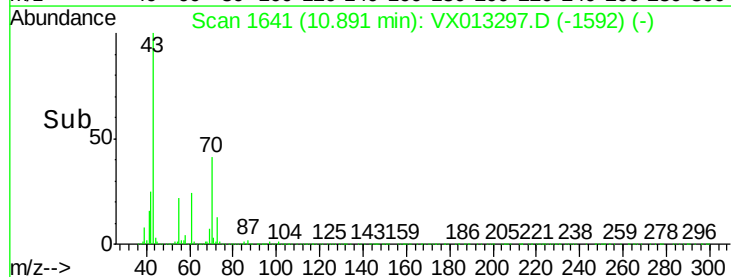
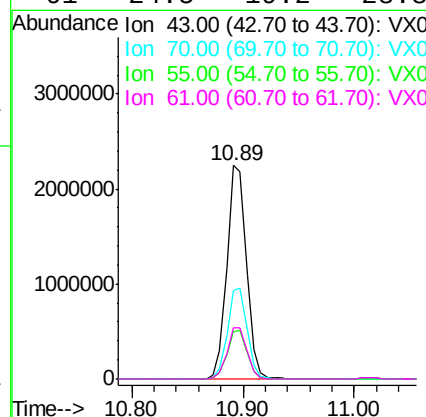
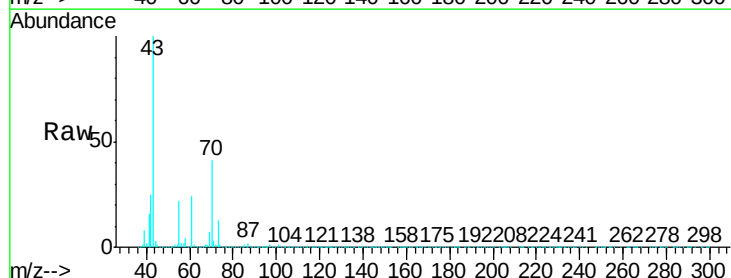
Manual Integrations
APPROVED

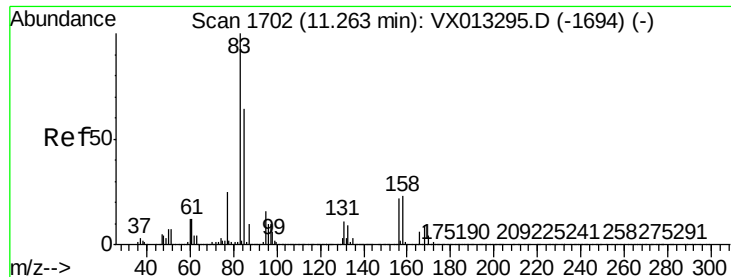
MMDadoda
11/4/2019 3:41:18 PM



#74
N-ethyl acetate
Concen: 184.532 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 43 Resp: 2726511
Ion Ratio Lower Upper
43 100
70 42.6 34.1 51.1
55 23.2 18.9 28.3
61 24.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 157.349 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1942759

Ion Ratio Lower Upper

83 100

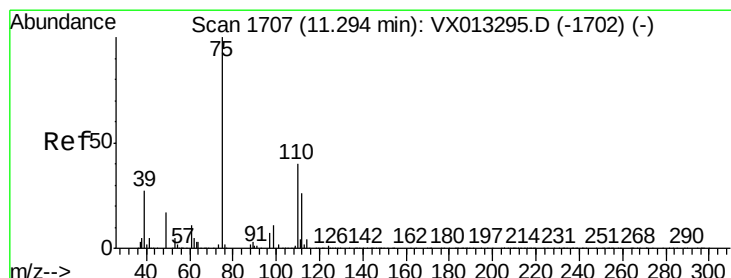
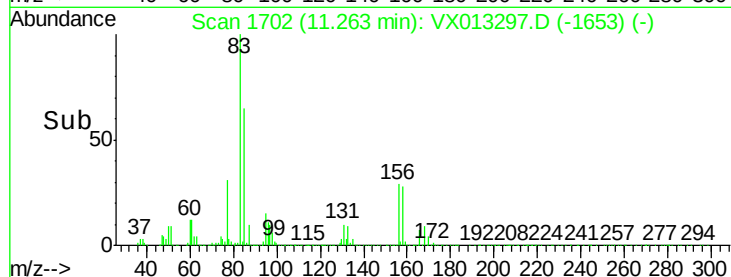
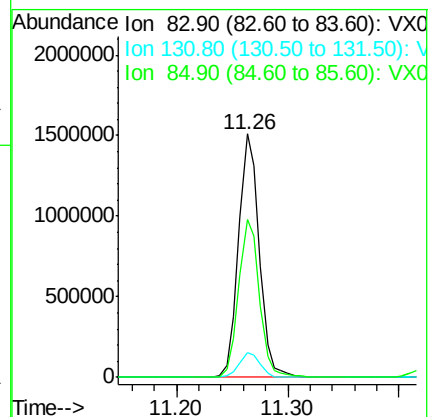
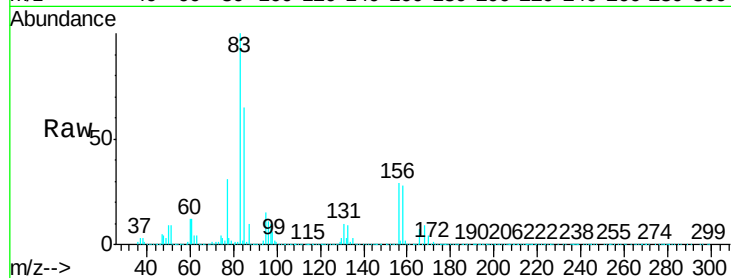
131 10.2 5.1 15.3

85 65.1 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

11/4/2019 3:41:18 PM



#76

1,2,3-Trichloropropane

Concen: 174.370 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013297.D

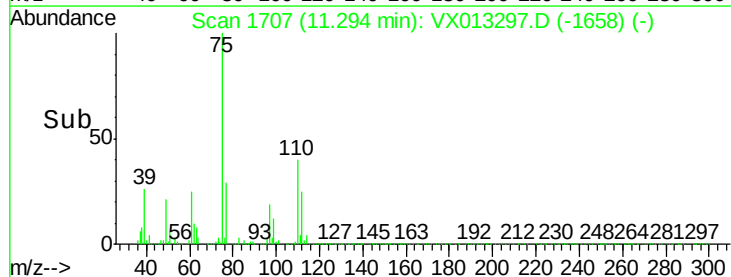
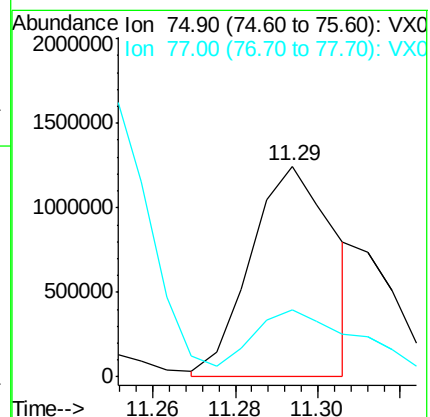
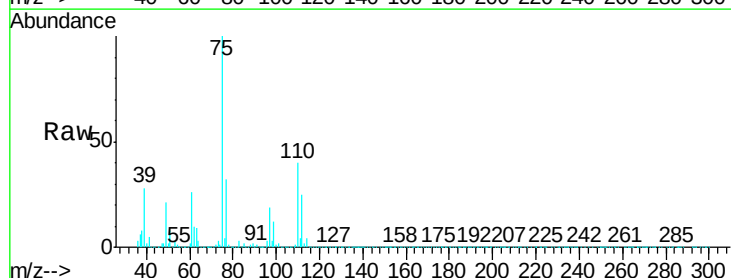
Acq: 31 Oct 2019 18:15

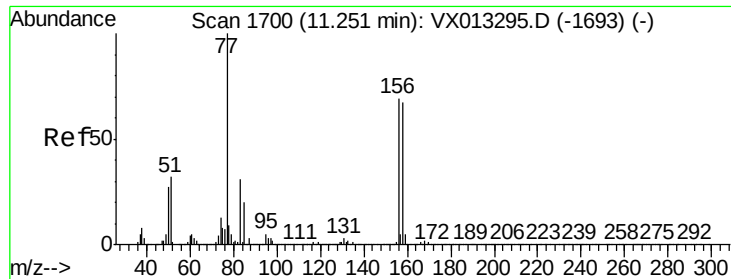
Tgt Ion: 75 Resp: 1746494

Ion Ratio Lower Upper

75 100

77 41.2 22.3 66.8





#77

Bromobenzene

Concen: 138.756 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 1415066

Ion Ratio Lower Upper

156 100

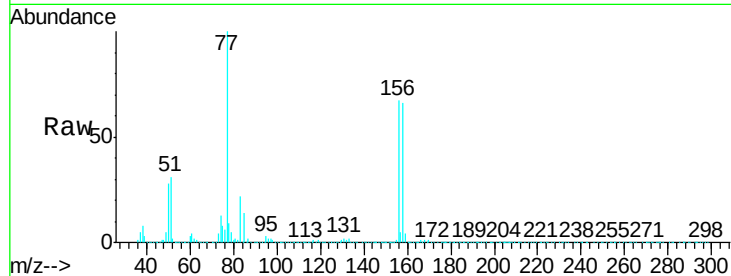
77 149.4 75.8 227.4

158 97.3 47.6 142.8

Manual Integrations
APPROVED

MMDadoda

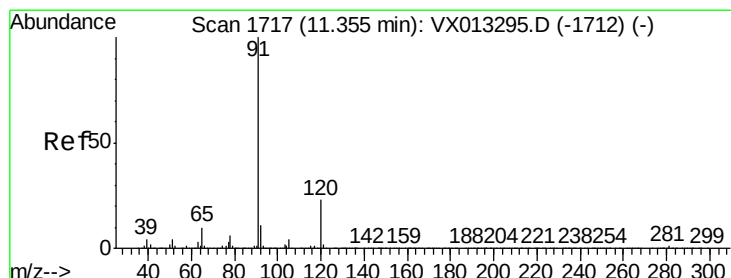
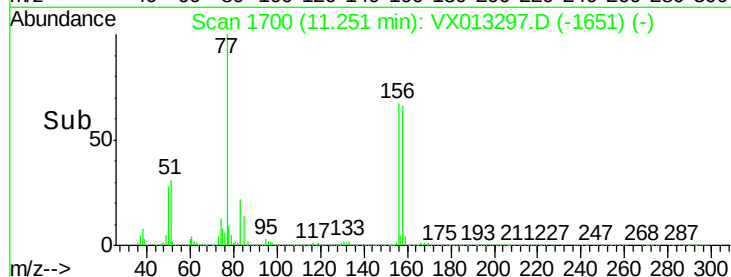
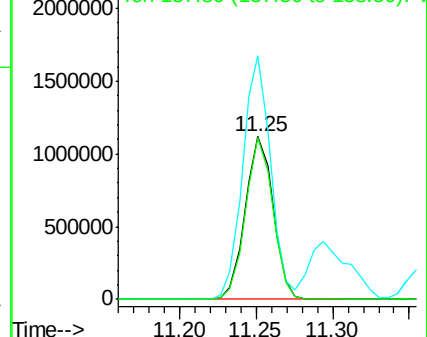
11/4/2019 3:41:18 PM



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: 144.447 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013297.D

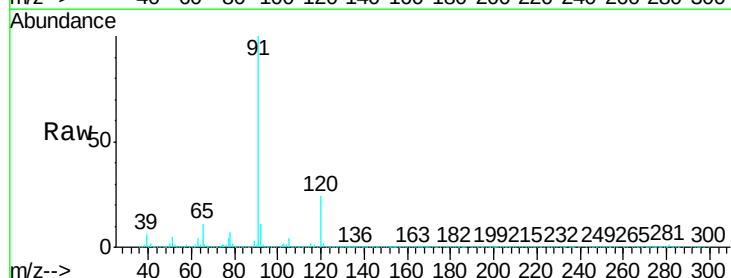
Acq: 31 Oct 2019 18:15

Tgt Ion: 91 Resp: 5951351

Ion Ratio Lower Upper

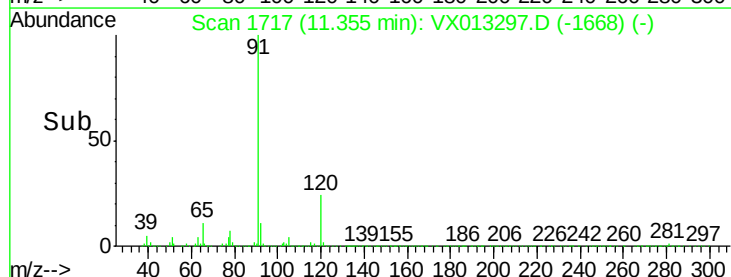
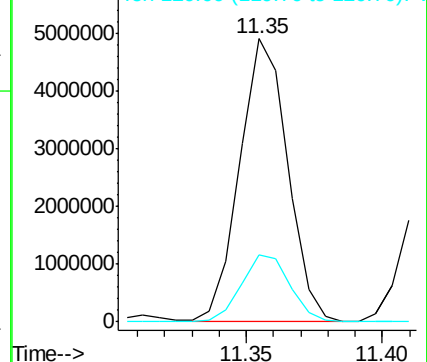
91 100

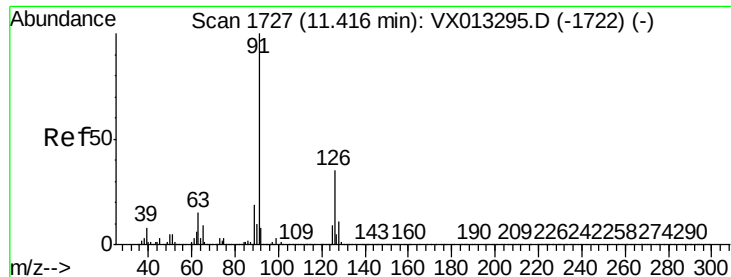
120 24.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





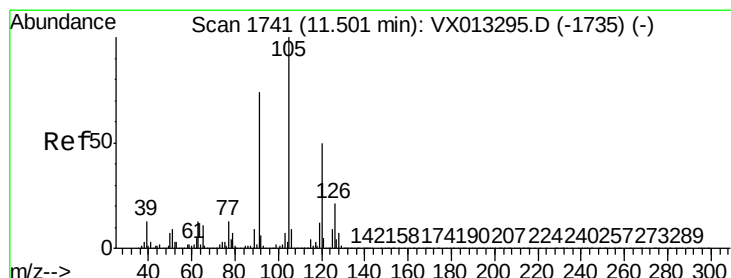
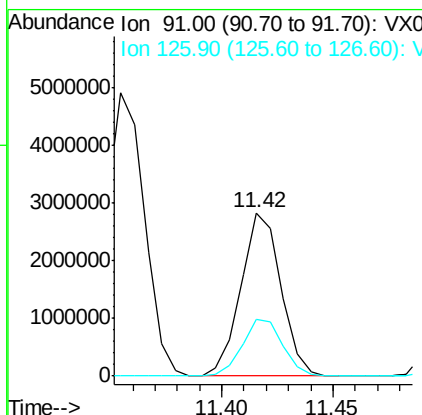
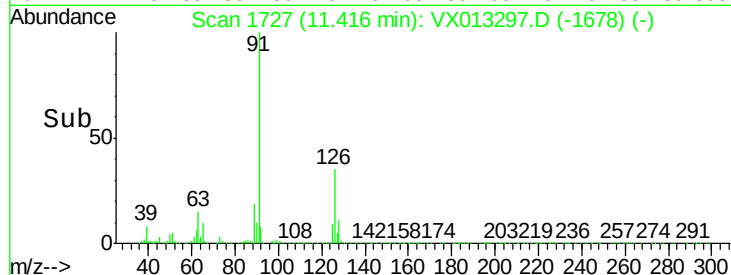
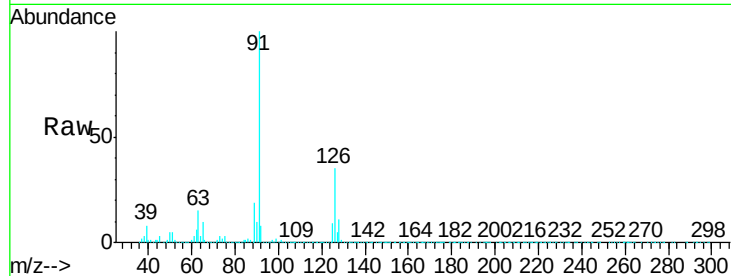
#79
2-Chlorotoluene
Concen: 143.642 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 3550088
Ion Ratio Lower Upper
91 100
126 35.2 17.3 52.0

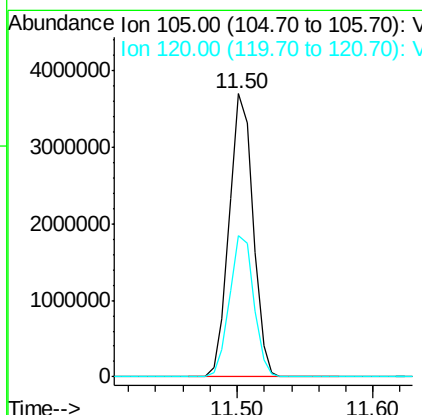
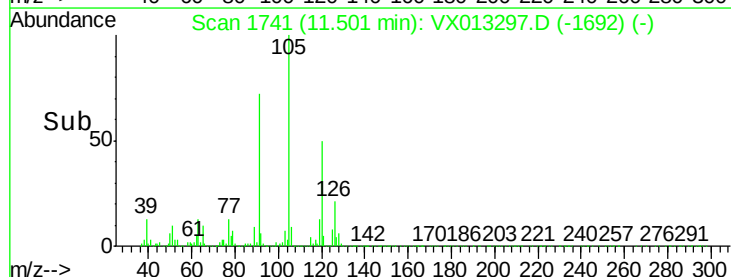
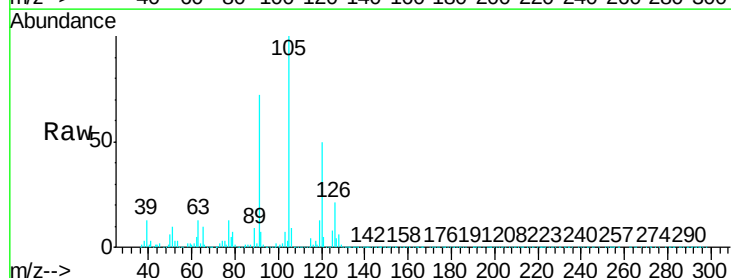
Manual Integrations
APPROVED

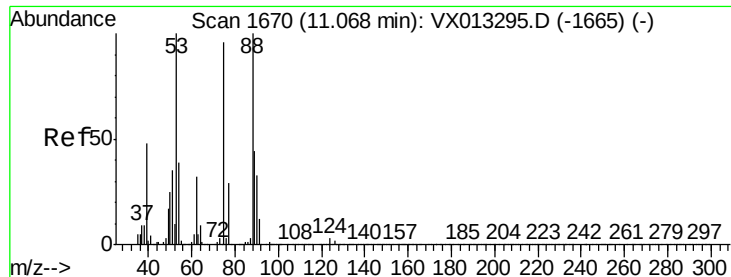
MMDadoda
11/4/2019 3:41:18 PM



#80
1,3,5-Trimethylbenzene
Concen: 145.771 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 105 Resp: 4518982
Ion Ratio Lower Upper
105 100
120 50.8 24.9 74.8





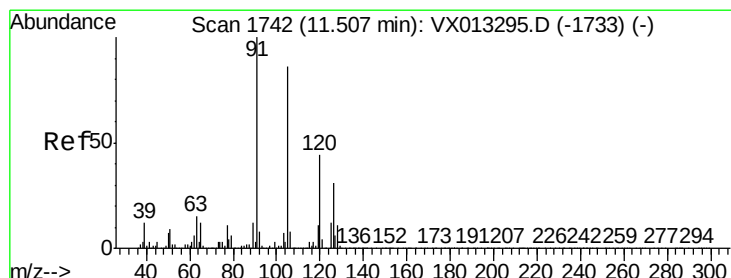
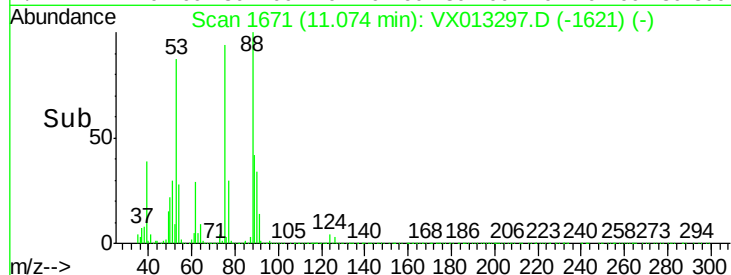
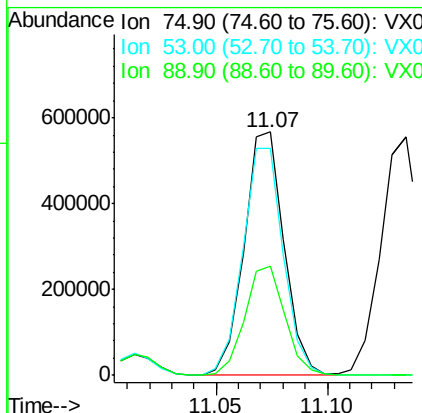
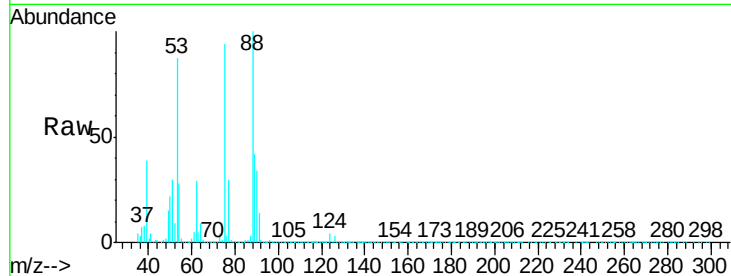
#81
trans-1,4-Dichloro-2-butene
Concen: 187.611 ug/l
RT: 11.07 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	707216		
53	95.3	81.0	121.6	
89	45.1	36.0	54.0	

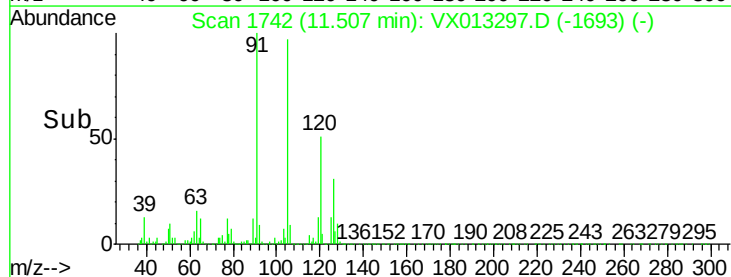
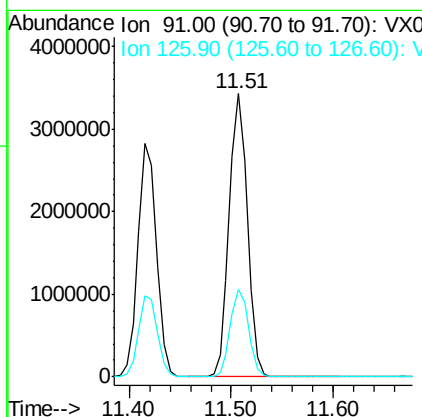
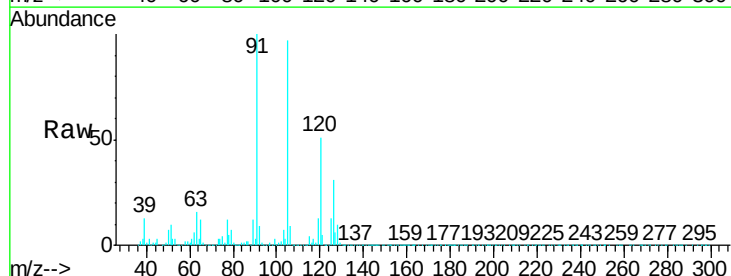
Manual Integrations
APPROVED

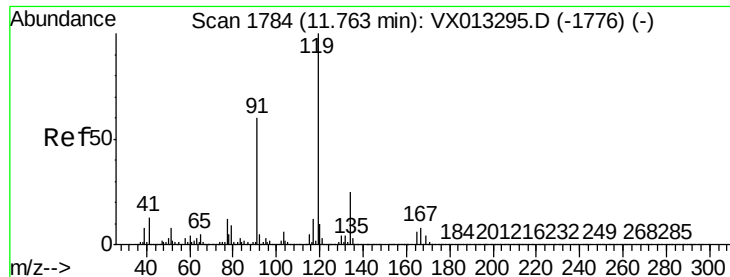
MMDadoda
11/4/2019 3:41:18 PM



#82
4-Chlorotoluene
Concen: 147.155 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	4232400		
126	31.1	15.3	45.8	





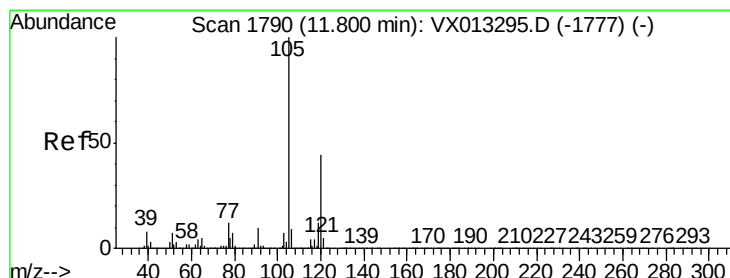
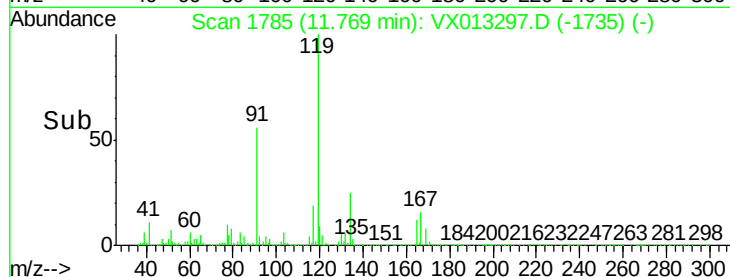
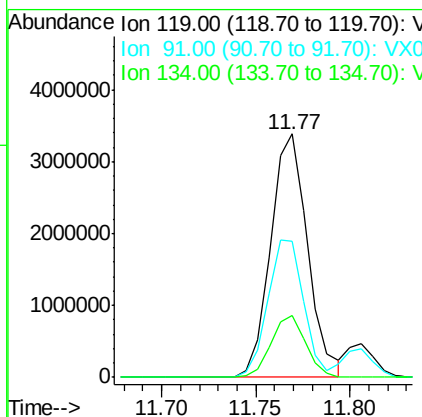
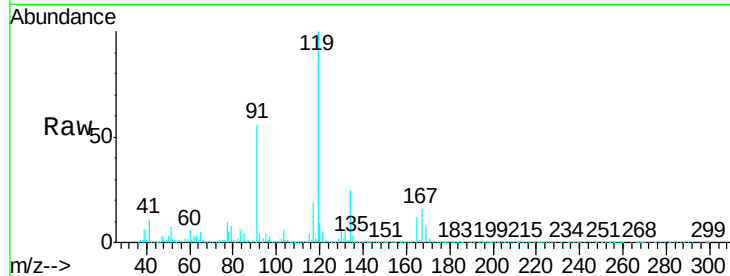
#83
 tert-Butylbenzene
 Concen: 149.960 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 4601325
 Ion Ratio Lower Upper
 119 100
 91 54.6 26.9 80.7
 134 23.7 11.7 35.1

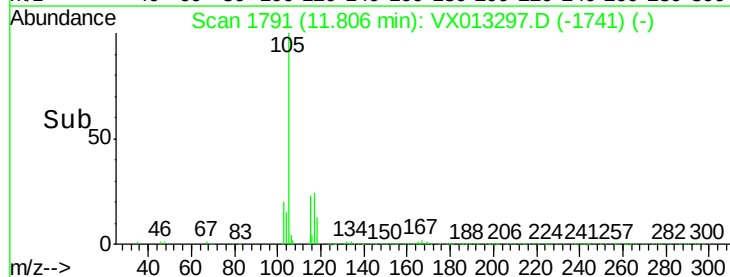
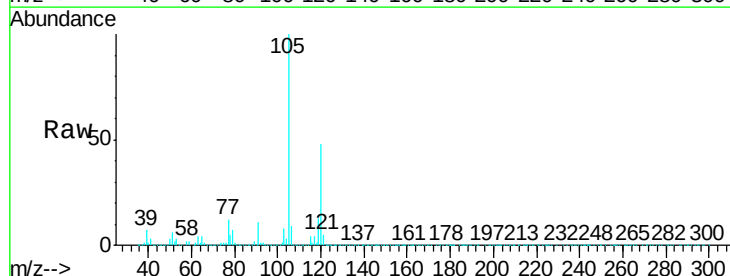
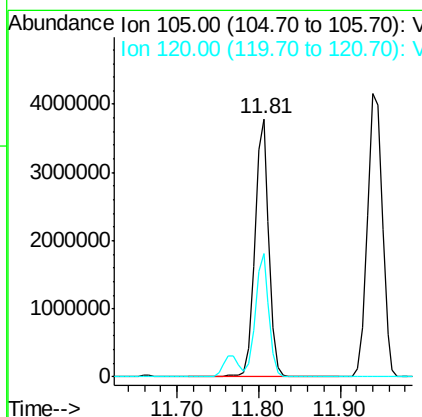
Manual Integrations
 APPROVED

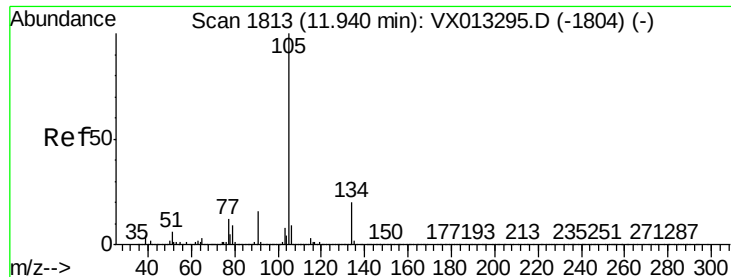
MMDadoda
 11/4/2019 3:41:18 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 145.961 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Tgt Ion:105 Resp: 4567608
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 146.195 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 5214293

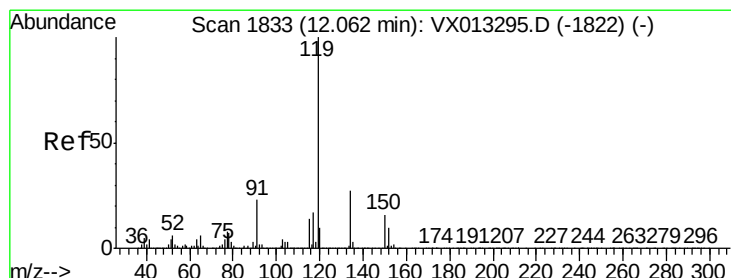
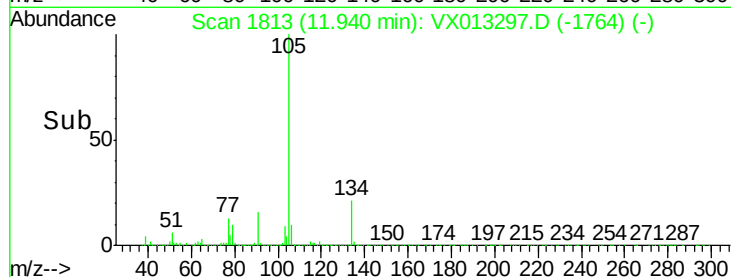
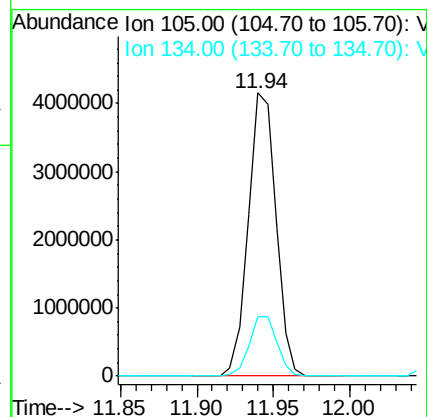
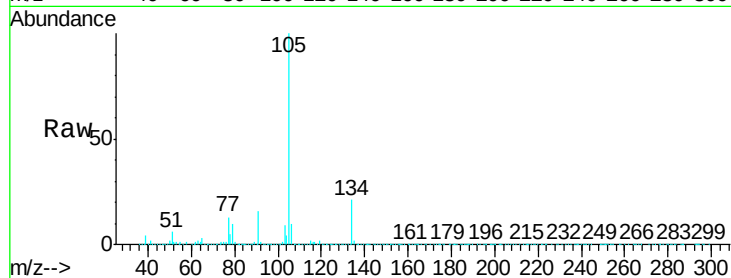
Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.9

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#86

p-Isopropyltoluene

Concen: 148.758 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013297.D

Acq: 31 Oct 2019 18:15

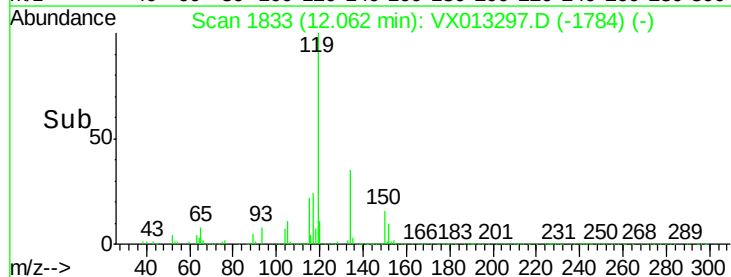
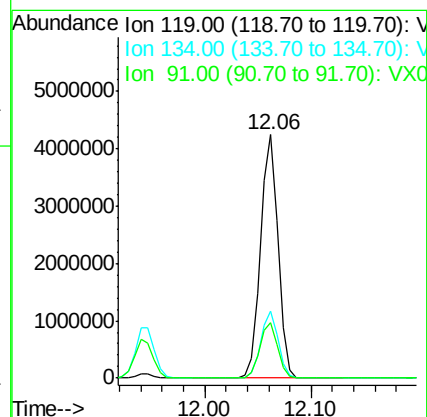
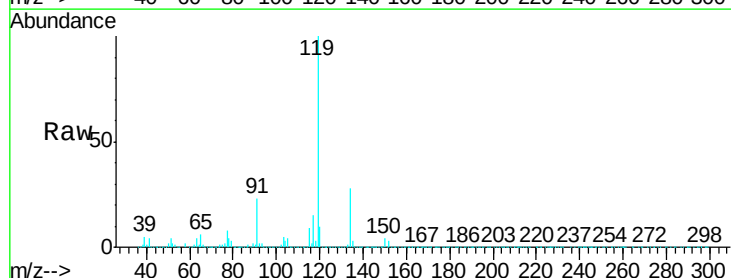
Tgt Ion:119 Resp: 4909342

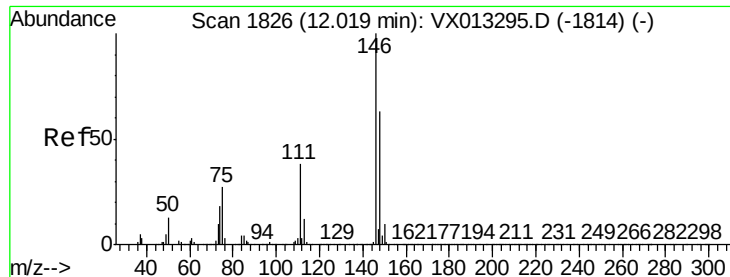
Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.8

91 23.1 11.5 34.4





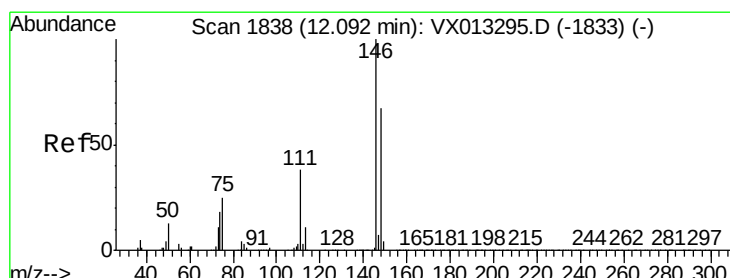
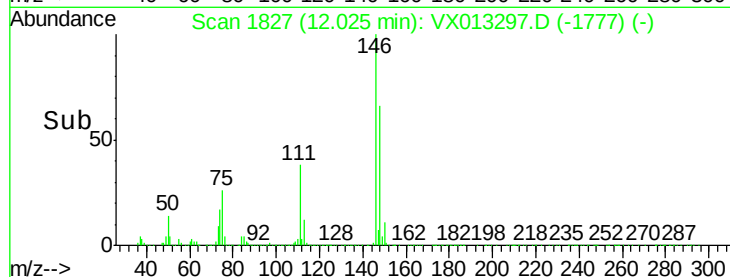
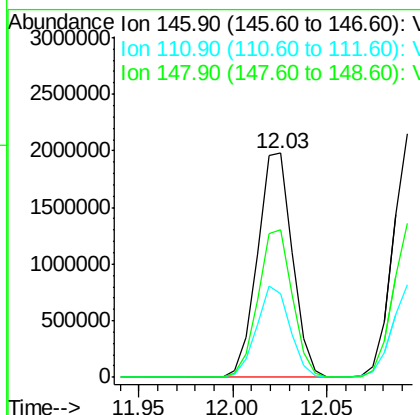
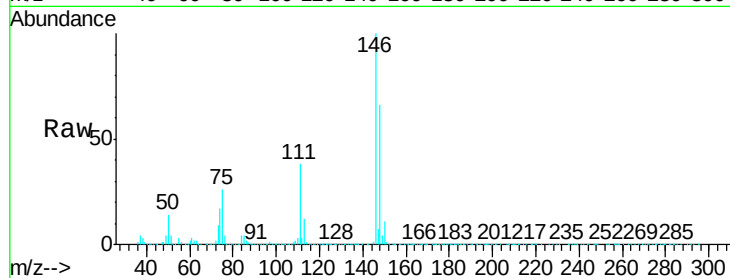
#87
1,3-Dichlorobenzene
Concen: 143.458 ug/l
RT: 12.03 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.5
148	64.9	31.9	95.7

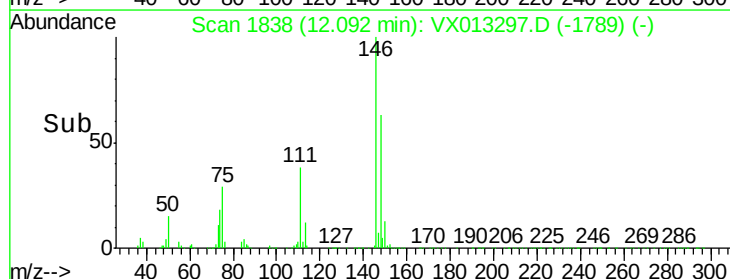
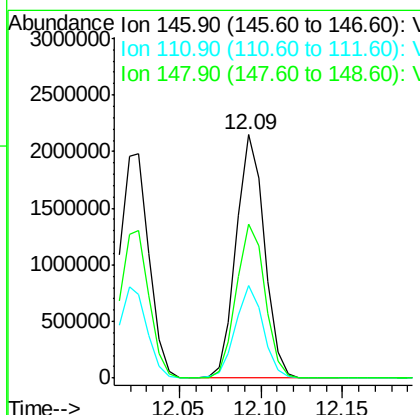
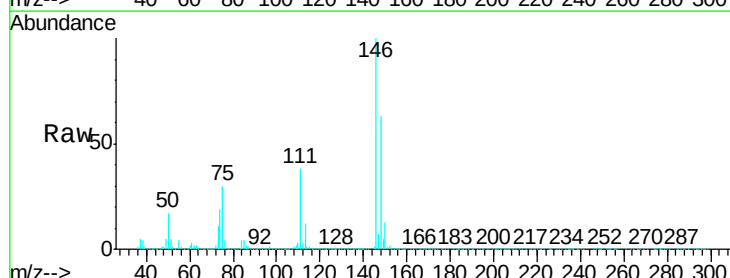
Manual Integrations
APPROVED

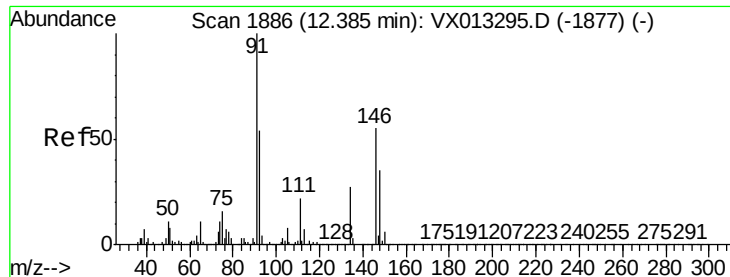
MMDadoda
11/4/2019 3:41:18 PM



#88
1,4-Dichlorobenzene
Concen: 142.616 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.5	32.4	97.0





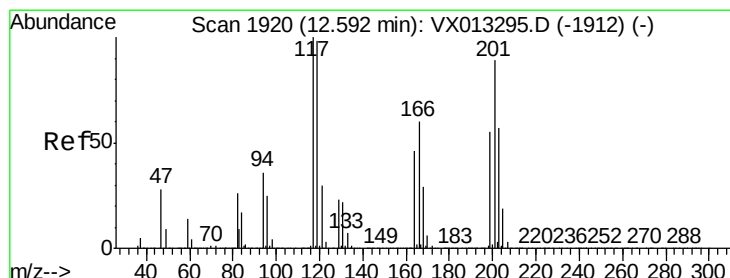
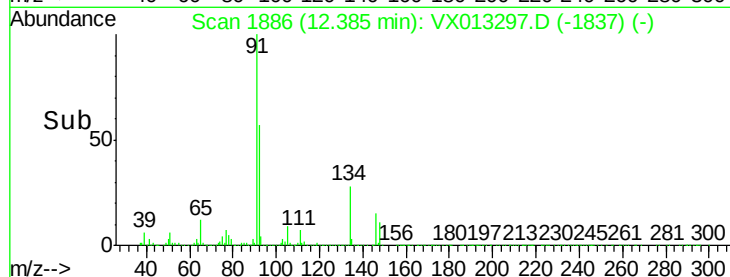
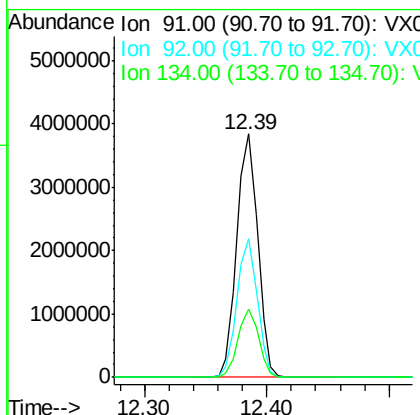
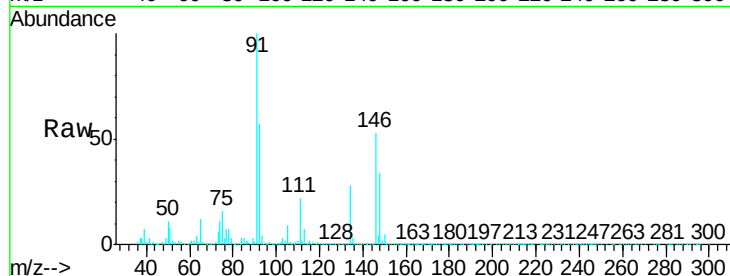
#89
n-Butylbenzene
Concen: 159.686 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion: 91 Resp: 4517059
Ion Ratio Lower Upper
91 100
92 55.5 27.3 81.8
134 27.5 13.5 40.5

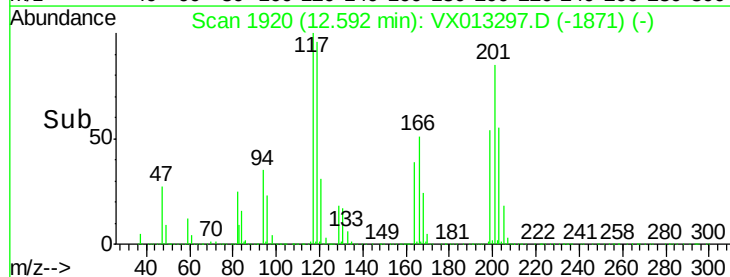
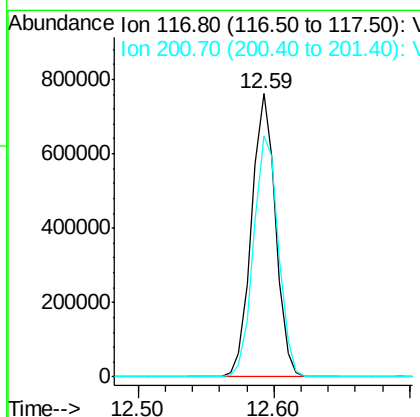
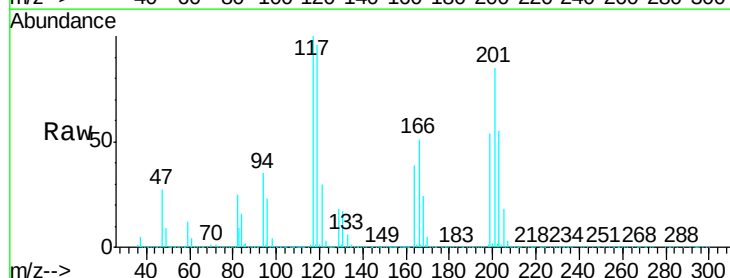
Manual Integrations
APPROVED

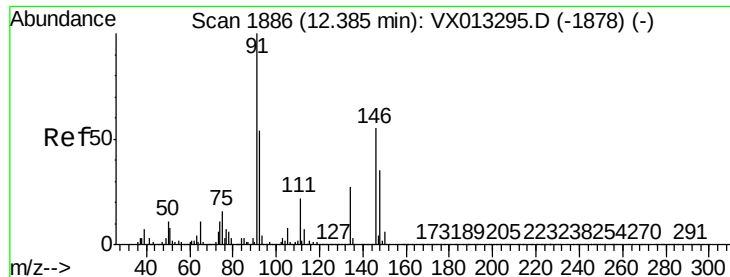
MMDadoda
11/4/2019 3:41:18 PM



#90
Hexachloroethane
Concen: 178.337 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion: 117 Resp: 945375
Ion Ratio Lower Upper
117 100
201 88.6 43.9 131.7





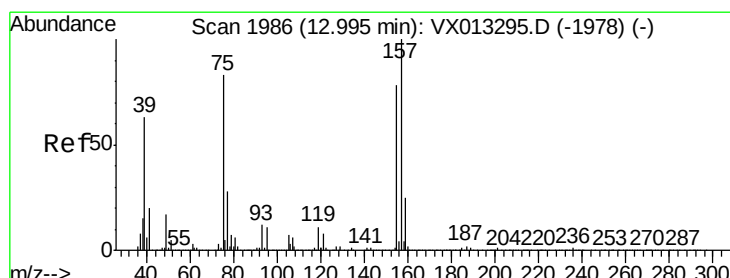
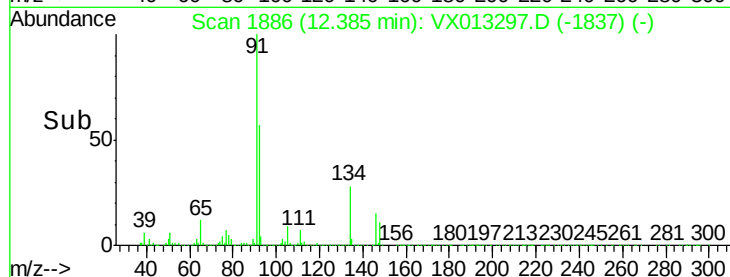
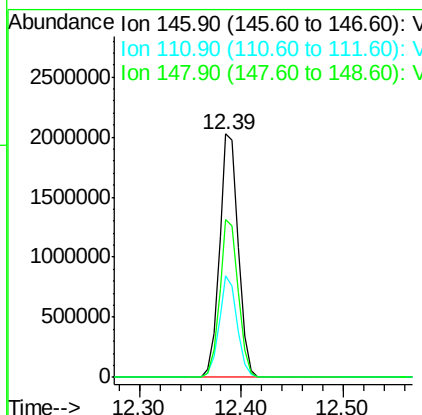
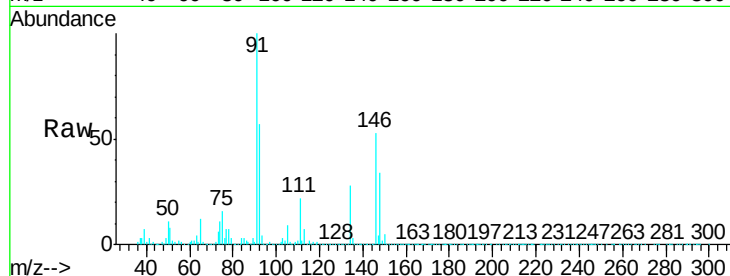
#91
 1,2-Dichlorobenzene
 Concen: 148.085 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	64.3	32.0	96.0

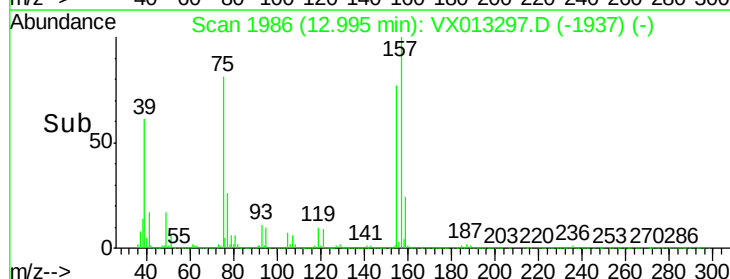
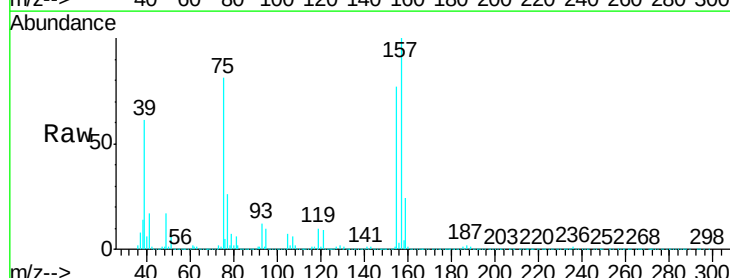
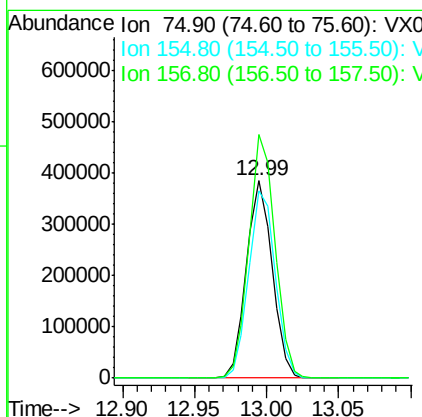
Manual Integrations
 APPROVED

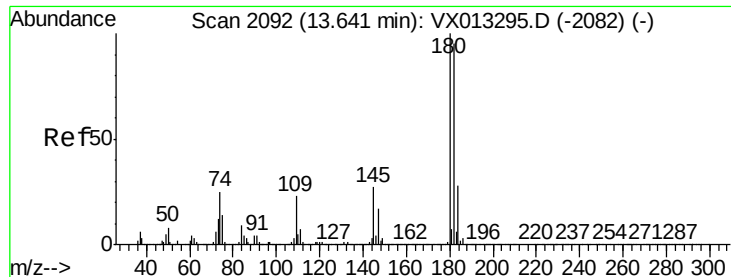
MMDadoda
 11/4/2019 3:41:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 180.851 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013297.D
 Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	47.1	141.4
157	124.7	61.3	183.8





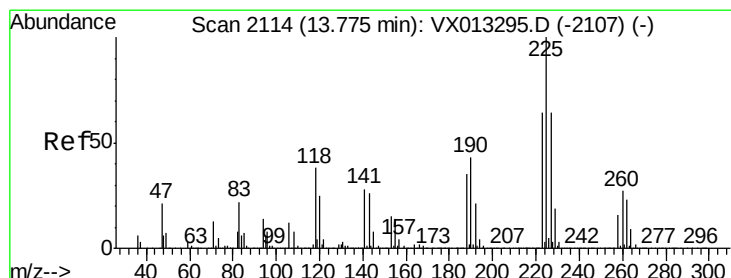
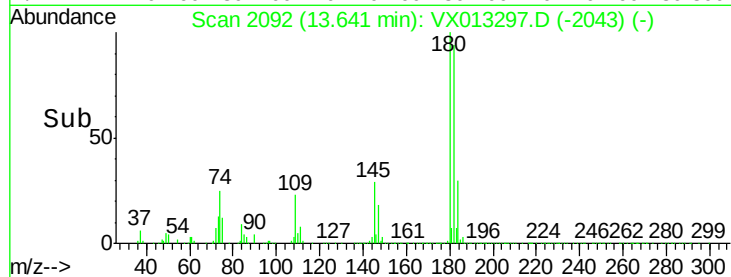
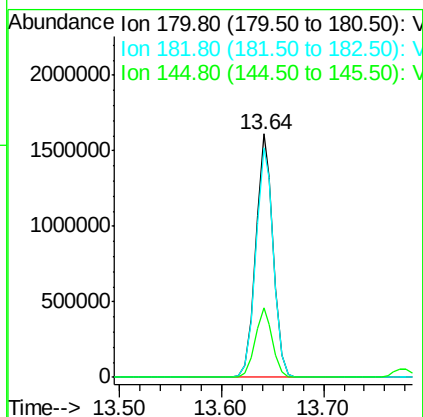
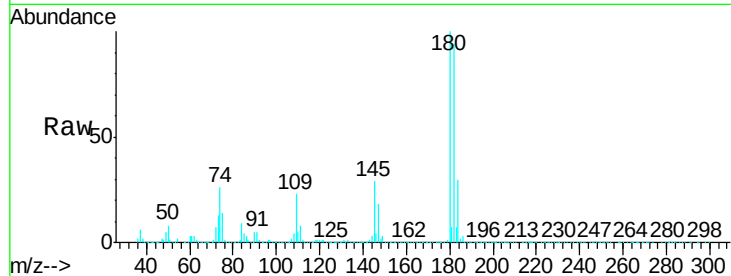
#93
1,2,4-Trichlorobenzene
Concen: 160.345 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	28.4	14.1	42.4

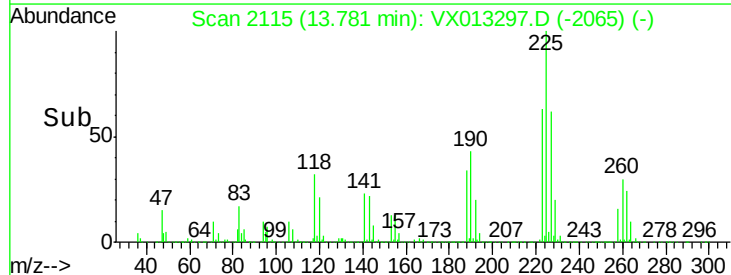
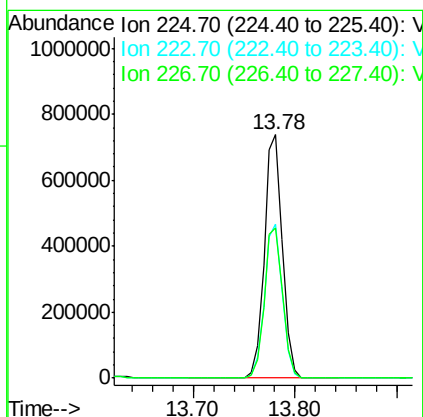
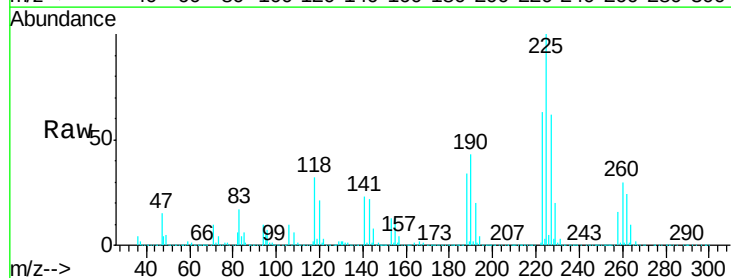
Manual Integrations
APPROVED

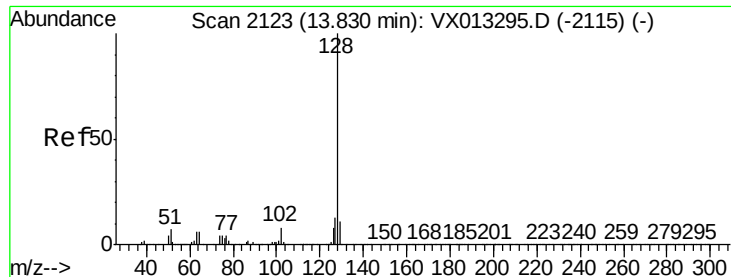
MMDadoda
11/4/2019 3:41:18 PM



#94
Hexachlorobutadiene
Concen: 153.329 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.7
227	62.7	31.9	95.9





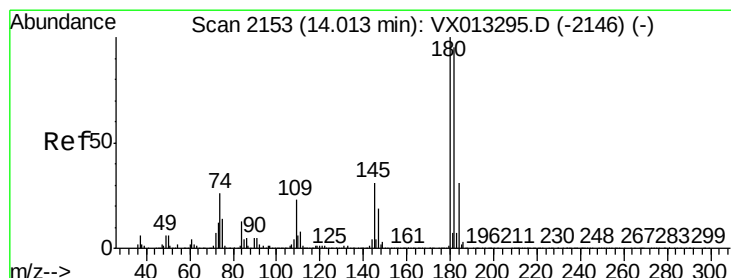
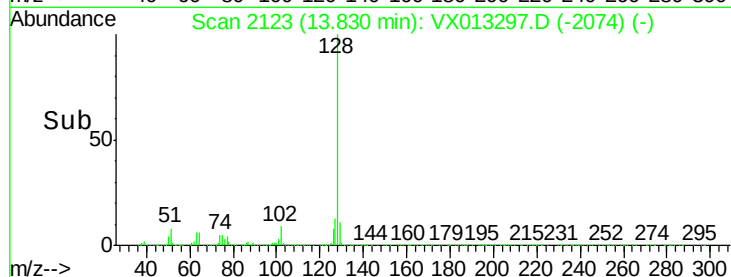
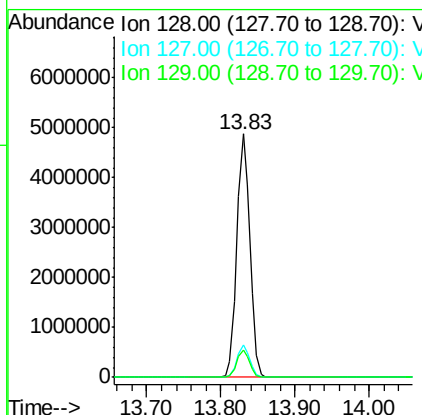
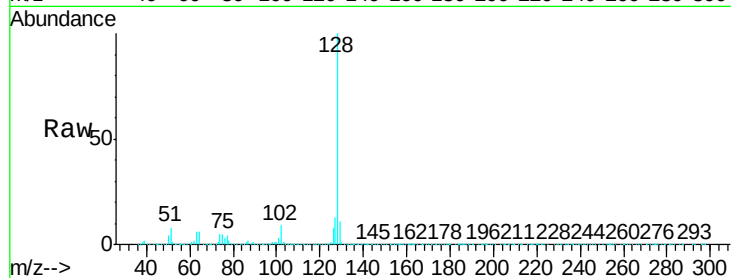
#95
Naphthalene
Concen: 167.415 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/4/2019 3:41:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 157.539 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013297.D
Acq: 31 Oct 2019 18:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	30.4	15.4	46.4

