

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013408.D
 Acq On : 13 Nov 2019 16:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 9:37:22 AM

Quant Time: Nov 14 05:48:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	735691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1113508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1006040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	515440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	382448	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	
35) Dibromofluoromethane	5.48	113	319916	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	8.71	98	1223824	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.13	95	445296	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	417625	49.268	ug/l	100
3) Chloromethane	1.31	50	457358	49.754	ug/l	100
4) Vinyl Chloride	1.40	62	529929	50.637	ug/l	100
5) Bromomethane	1.62	94	319464	43.805	ug/l	100
6) Chloroethane	1.70	64	286255	47.798	ug/l	99
7) Trichlorofluoromethane	1.92	101	579634	46.881	ug/l	99
8) Diethyl Ether	2.17	74	263174	48.134	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	366387	53.167	ug/l	99
10) Methyl Iodide	2.50	142	437519	51.280	ug/l	99
11) Tert butyl alcohol	3.03	59	489583	213.120	ug/l	99
12) 1,1-Dichloroethene	2.36	96	359376	53.254	ug/l	97
13) Acrolein	2.28	56	364942	293.120	ug/l	98
14) Allyl chloride	2.72	41	640471	52.234	ug/l	96
15) Acrylonitrile	3.12	53	1091009	254.249	ug/l	98
16) Acetone	2.43	43	948013	218.069	ug/l	98
17) Carbon Disulfide	2.56	76	908746	50.312	ug/l	100
18) Methyl Acetate	2.76	43	636417	53.026	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1203838	53.485	ug/l	99
20) Methylene Chloride	2.84	84	399653	49.756	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	381140	51.872	ug/l	97
22) Diisopropyl ether	3.84	45	1281098	54.118	ug/l	98
23) Vinyl Acetate	3.80	43	5336172	263.433	ug/l	99
24) 1,1-Dichloroethane	3.68	63	688896	52.022	ug/l	99
25) 2-Butanone	4.65	43	1565398	245.454	ug/l	98
26) 2,2-Dichloropropane	4.56	77	540995	51.354	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	445242	54.093	ug/l	98
28) Bromochloromethane	5.00	49	205410	54.631	ug/l	100
29) Tetrahydrofuran	5.11	42	1007747	256.417	ug/l	100
30) Chloroform	5.19	83	681563	52.123	ug/l	98
31) Cyclohexane	5.56	56	617505	51.822	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	578447	51.403	ug/l	99
36) 1,1-Dichloropropene	5.78	75	515367	53.951	ug/l	99
37) Ethyl Acetate	4.81	43	602266	51.023	ug/l	99
38) Carbon Tetrachloride	5.77	117	505150	54.078	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013408.D
 Acq On : 13 Nov 2019 16:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 9:37:22 AM

Quant Time: Nov 14 05:48:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	644522	54.149	ug/l	99
40) Benzene	6.13	78	1567074	52.664	ug/l	98
41) Methacrylonitrile	5.02	41	341392	51.601	ug/l	97
42) 1,2-Dichloroethane	6.18	62	547877	51.046	ug/l	99
43) Isopropyl Acetate	6.43	43	979705	53.301	ug/l	99
44) Trichloroethene	7.20	130	426688	52.094	ug/l	99
45) 1,2-Dichloropropane	7.50	63	406502	53.617	ug/l	99
46) Dibromomethane	7.65	93	264663	51.127	ug/l	97
47) Bromodichloromethane	7.89	83	538399	55.156	ug/l	98
48) Methyl methacrylate	7.76	41	494172	53.860	ug/l	98
49) 1,4-Dioxane	7.73	88	205301	977.064	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	3118651	258.612	ug/l	99
52) Toluene	8.78	92	1002423	54.354	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	597827	56.007	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	662223	55.462	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	410271	53.671	ug/l	98
56) Ethyl methacrylate	9.17	69	668404	51.180	ug/l	97
57) 1,3-Dichloropropane	9.36	76	689967	53.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1474023	282.017	ug/l	99
59) 2-Hexanone	9.48	43	2383597	255.776	ug/l	98
60) Dibromochloromethane	9.57	129	434280	55.549	ug/l	100
61) 1,2-Dibromoethane	9.67	107	429513	52.914	ug/l	99
64) Tetrachloroethene	9.33	164	378511	52.557	ug/l	98
65) Chlorobenzene	10.13	112	1089123	53.473	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	406995	54.422	ug/l	99
67) Ethyl Benzene	10.25	91	1911010	54.363	ug/l	99
68) m/p-Xylenes	10.35	106	1459904	109.814	ug/l	100
69) o-Xylene	10.70	106	711750	54.684	ug/l	99
70) Styrene	10.71	104	1217461	55.957	ug/l	99
71) Bromoform	10.85	173	345519	49.840	ug/l	99
73) Isopropylbenzene	11.01	105	1878489	54.968	ug/l	99
74) N-amyl acetate	10.89	43	885724	55.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	654981	52.536	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	525097m	50.156	ug/l	
77) Bromobenzene	11.25	156	495254	54.361	ug/l	99
78) n-propylbenzene	11.35	91	2188659	57.493	ug/l	100
79) 2-Chlorotoluene	11.42	91	1265619	55.180	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1608143	56.494	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	220038	54.099	ug/l	96
82) 4-Chlorotoluene	11.51	91	1477979	55.048	ug/l	100
83) tert-Butylbenzene	11.76	119	1633369	57.002	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1617983	56.662	ug/l	99
85) sec-Butylbenzene	11.94	105	1880971	57.116	ug/l	100
86) p-Isopropyltoluene	12.06	119	1734073	57.183	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	882360	54.334	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	882846	53.358	ug/l	100
89) n-Butylbenzene	12.39	91	1528314	57.758	ug/l	100
90) Hexachloroethane	12.59	117	311871	57.721	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	883649	54.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	145049	47.754	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
Data File : VX013408.D
Acq On : 13 Nov 2019 16:13
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

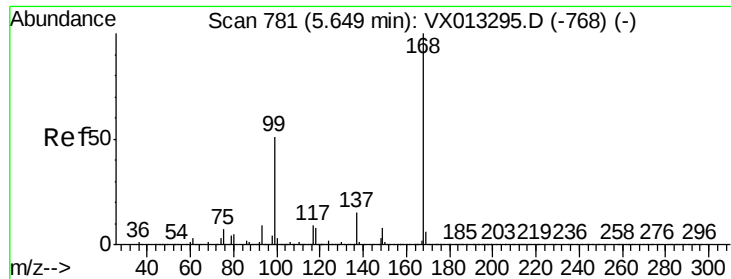
Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM

Quant Time: Nov 14 05:48:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	624542	55.156	ug/l	99
94) Hexachlorobutadiene	13.78	225	296552	53.532	ug/l	99
95) Naphthalene	13.83	128	1938853	54.575	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	627230	55.234	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 735691

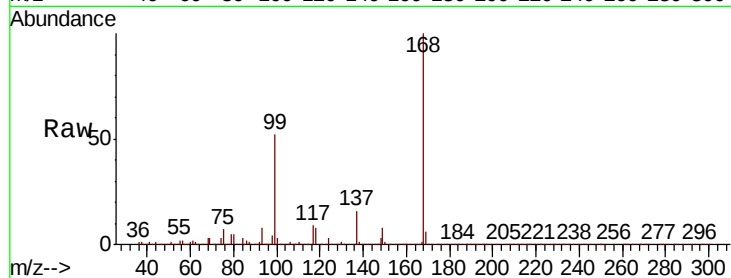
Ion Ratio Lower Upper

168 100

99 51.9 40.8 61.2

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

250000

200000

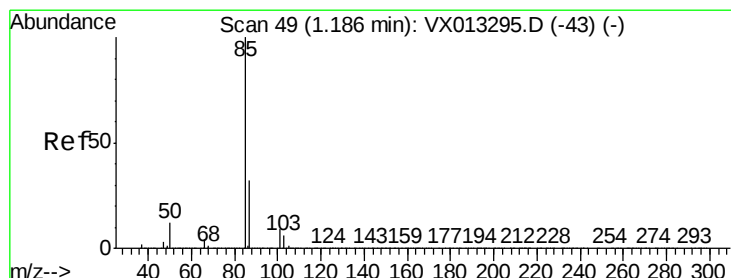
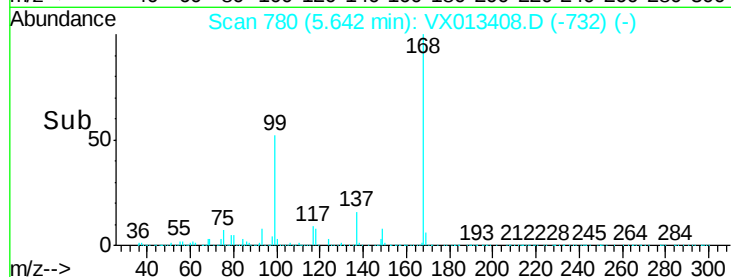
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.268 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013408.D

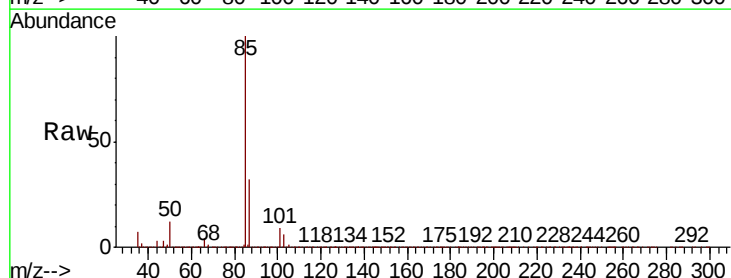
Acq: 13 Nov 2019 16:13

Tgt Ion: 85 Resp: 417625

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400000

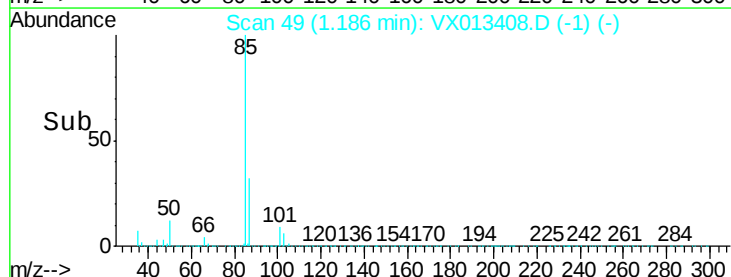
300000

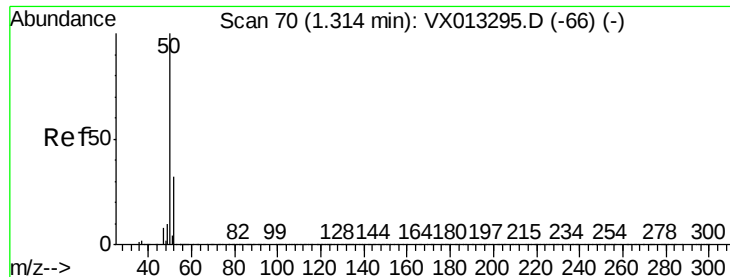
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.754 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 457358

Ion Ratio Lower Upper

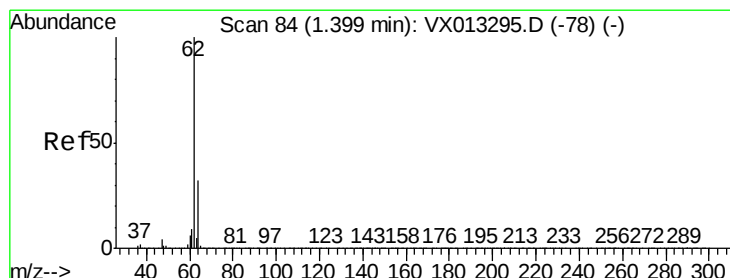
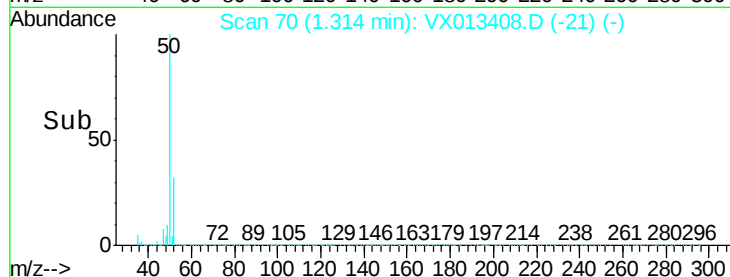
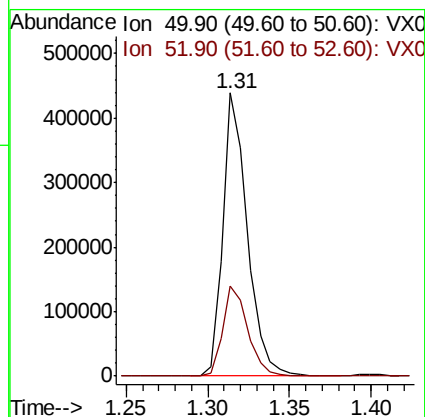
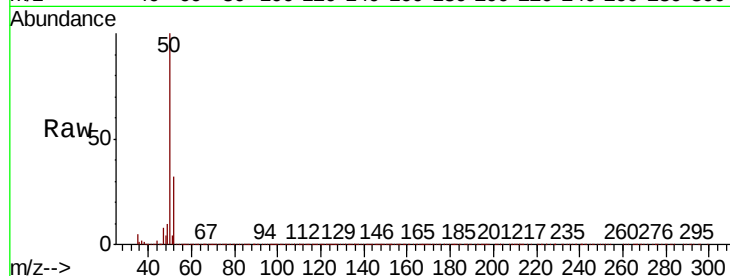
50 100

52 32.1 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#4

Vinyl Chloride

Concen: 50.637 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013408.D

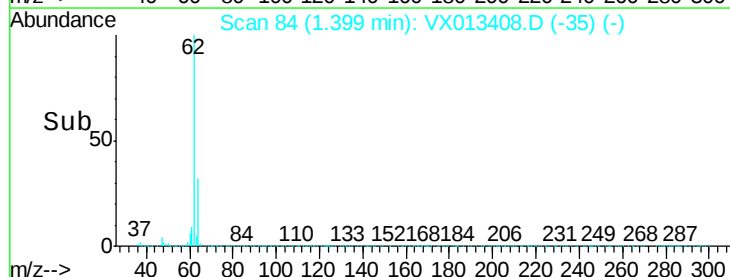
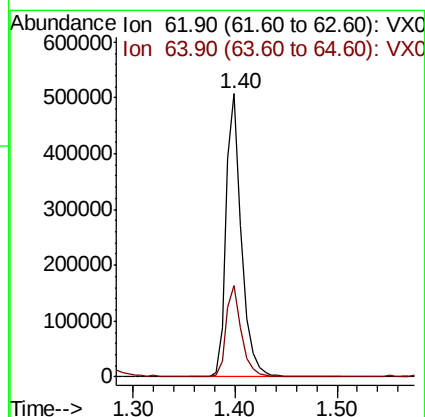
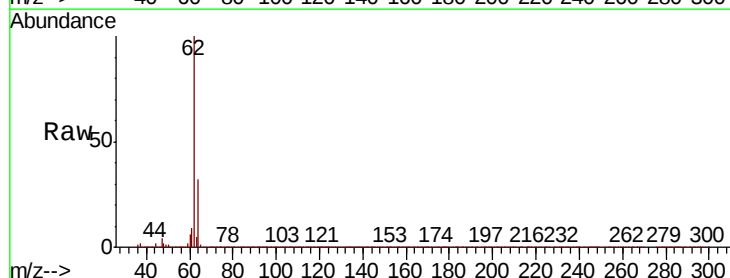
Acq: 13 Nov 2019 16:13

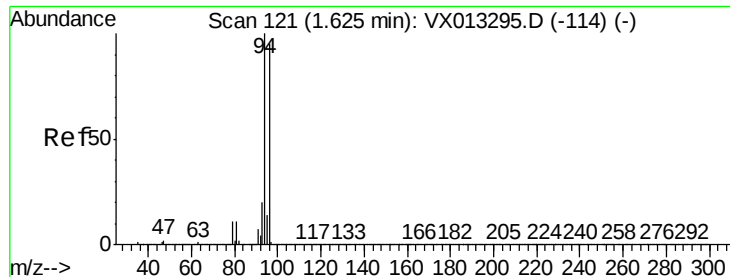
Tgt Ion: 62 Resp: 529929

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 43.805 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 319464

Ion Ratio Lower Upper

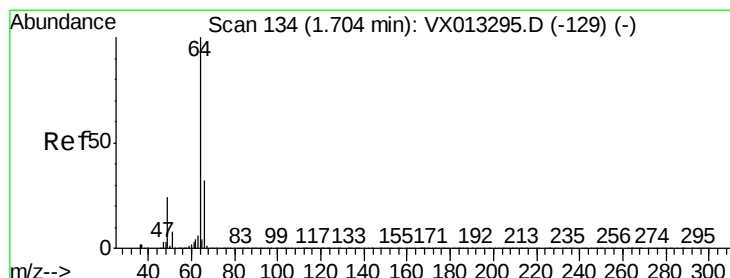
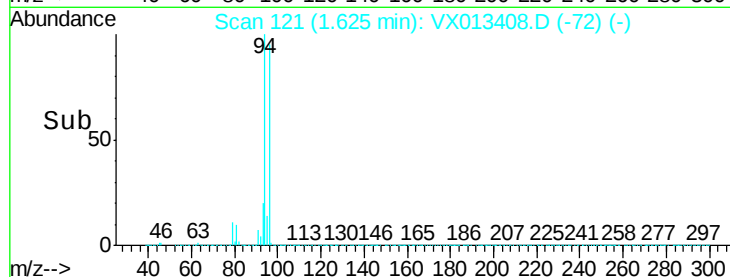
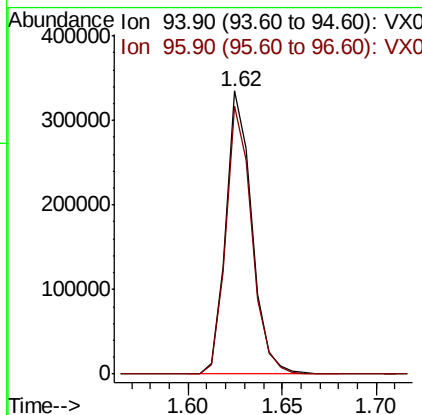
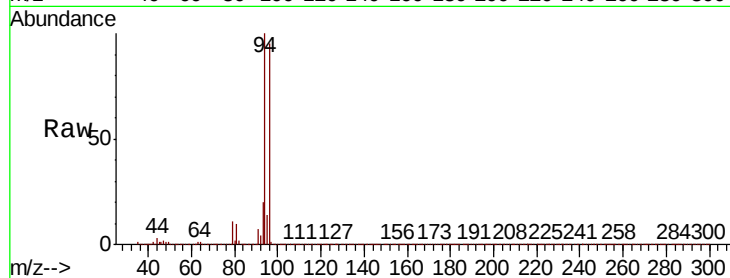
94 100

96 94.6 75.8 113.8

Manual Integrations
APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#6

Chloroethane

Concen: 47.798 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX013408.D

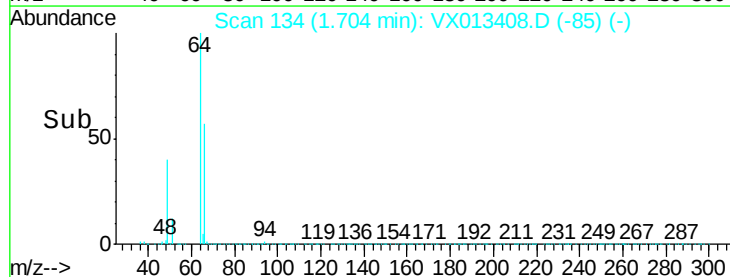
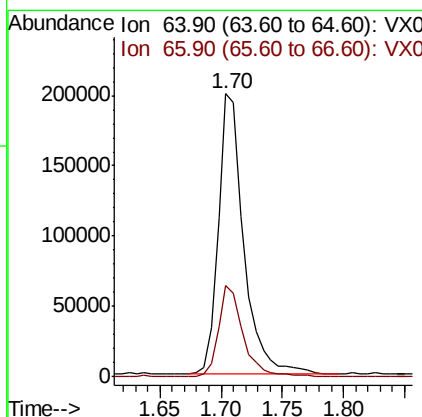
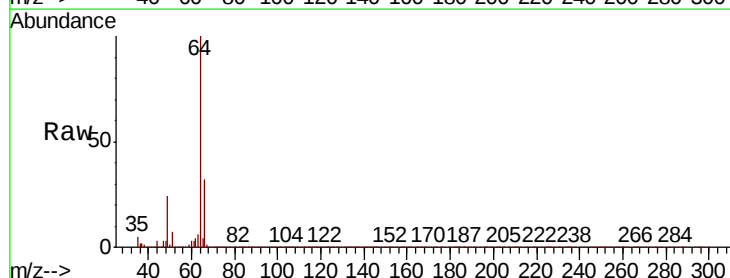
Acq: 13 Nov 2019 16:13

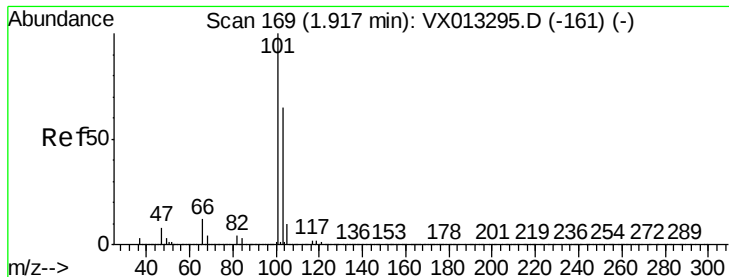
Tgt Ion: 64 Resp: 286255

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4





#7

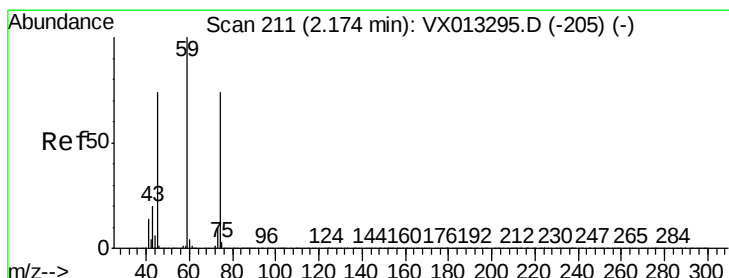
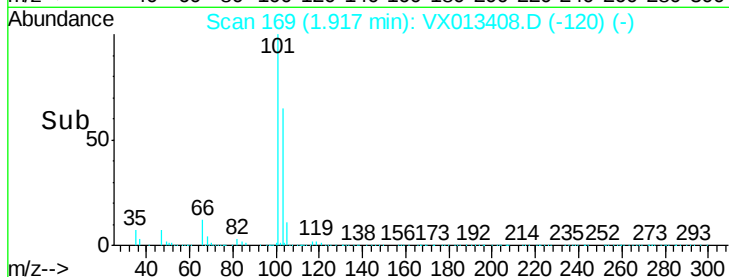
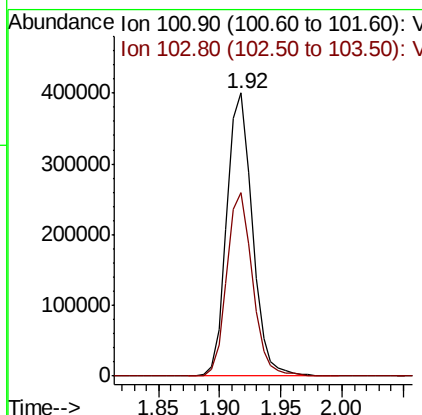
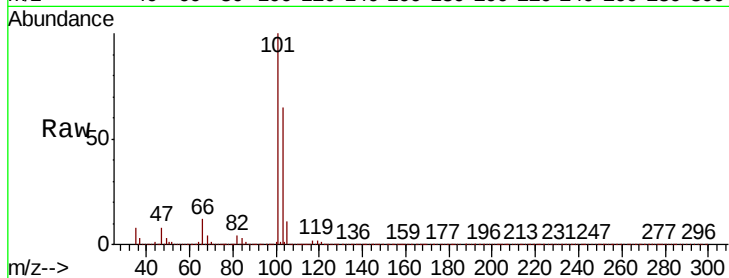
Trichlorofluoromethane
Concen: 46.881 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

Manual Integrations
APPROVED

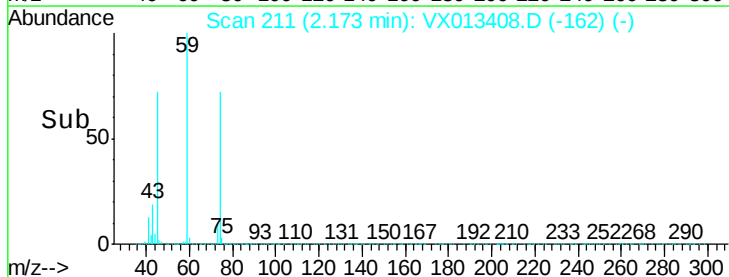
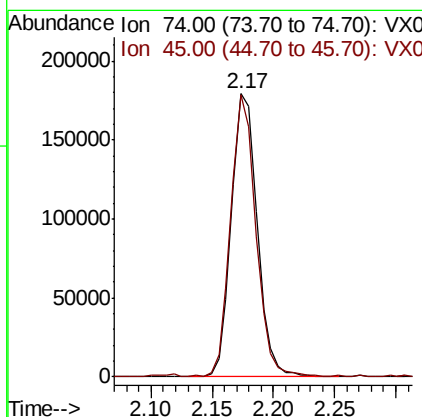
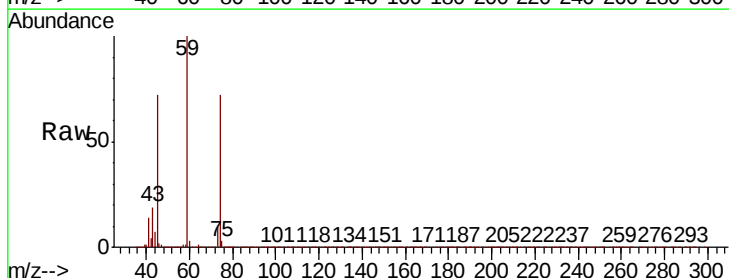
MMDadoda
11/14/2019 9:37:22 AM

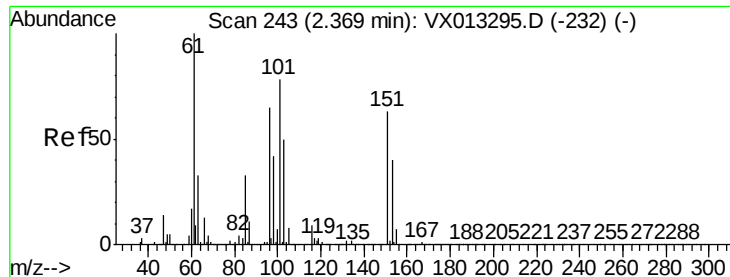


#8

Diethyl Ether
Concen: 48.134 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.167 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

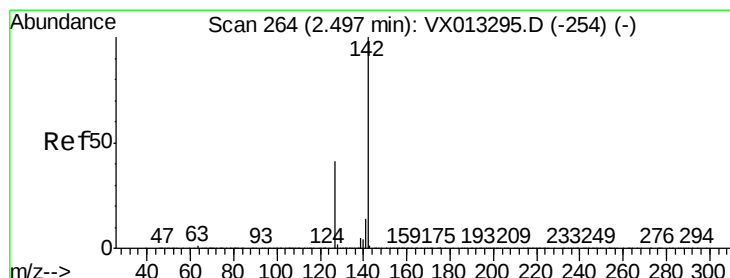
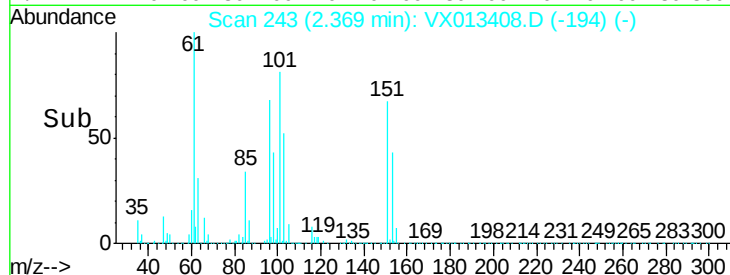
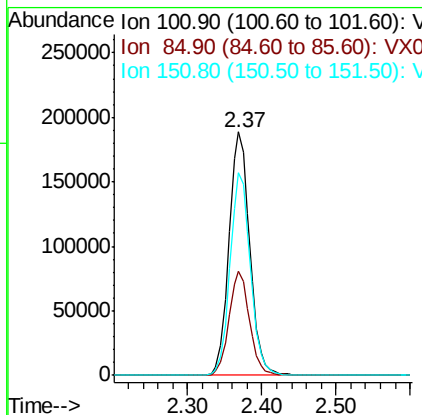
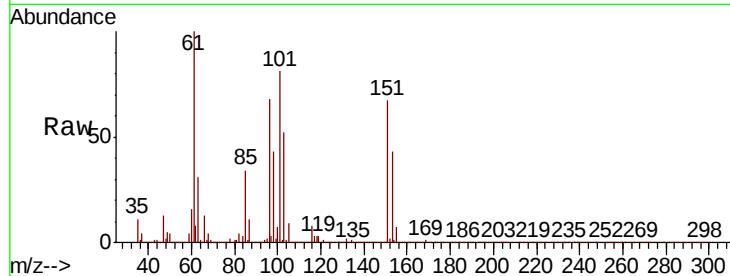
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	366387
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.4	51.6
151	82.1	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#10

Methyl Iodide

Concen: 51.280 ug/l

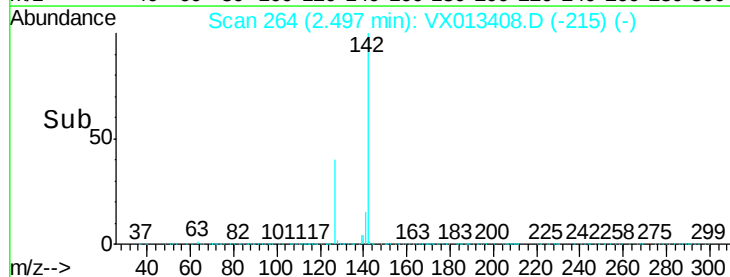
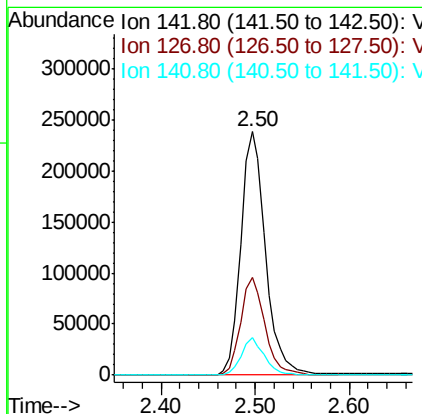
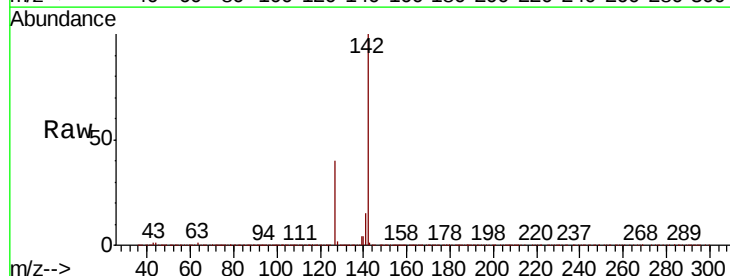
RT: 2.50 min Scan# 264

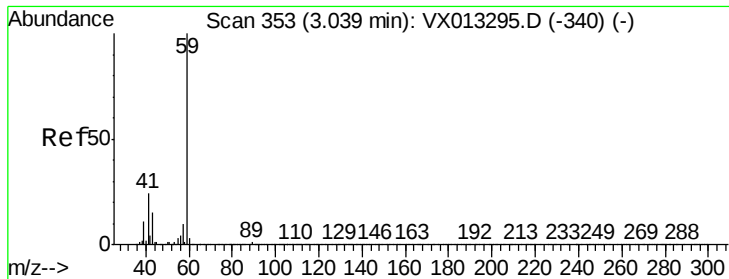
Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	142	Resp:	437519
Ion Ratio	Lower	Upper	
142	100		
127	39.7	32.6	49.0
141	14.3	11.6	17.4





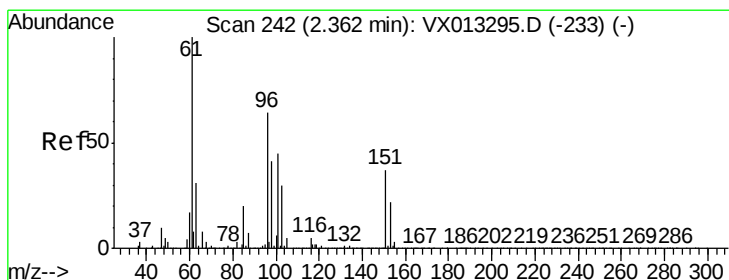
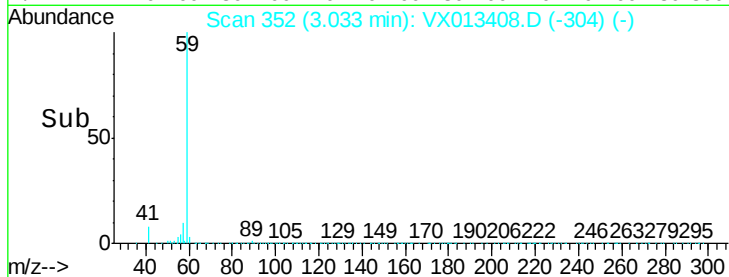
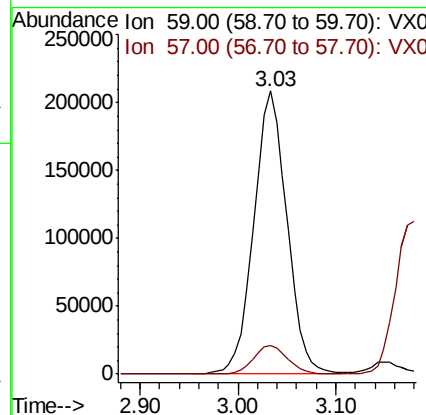
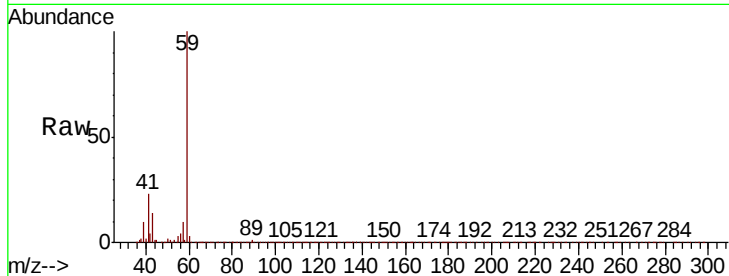
#11
Tert butyl alcohol
Concen: 213.120 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.0	12.0

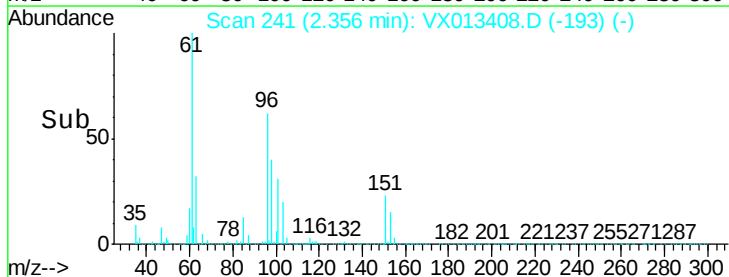
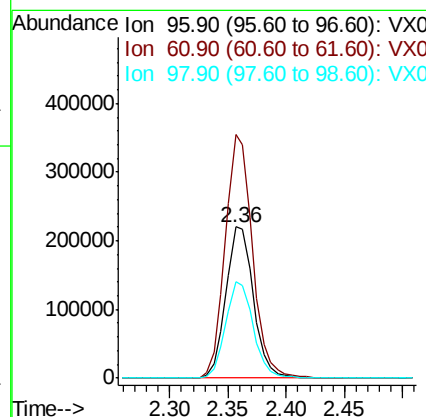
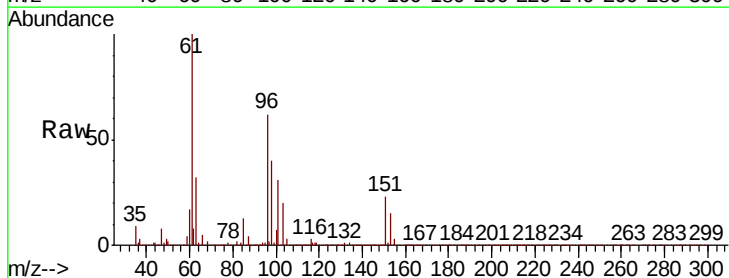
Manual Integrations
APPROVED

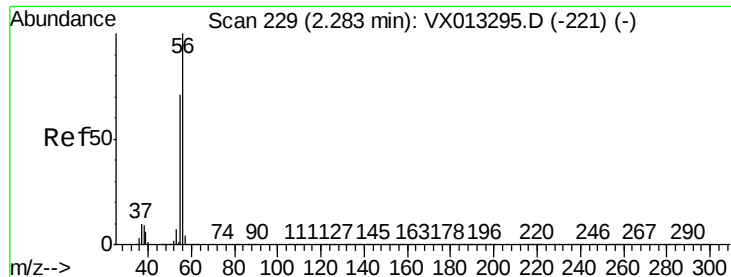
MMDadoda
11/14/2019 9:37:22 AM



#12
1,1-Dichloroethene
Concen: 53.254 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	125.0	187.6
98	64.0	50.7	76.1





#13

Acrolein

Concen: 293.120 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 364942

Ion Ratio Lower Upper

56 100

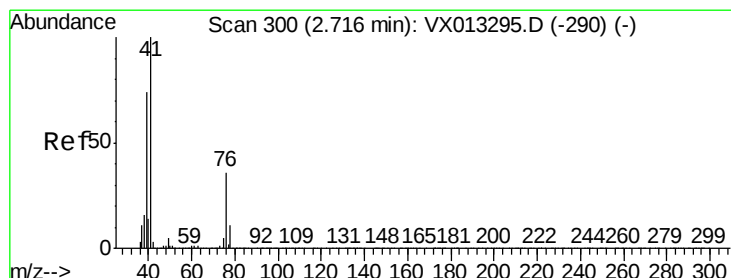
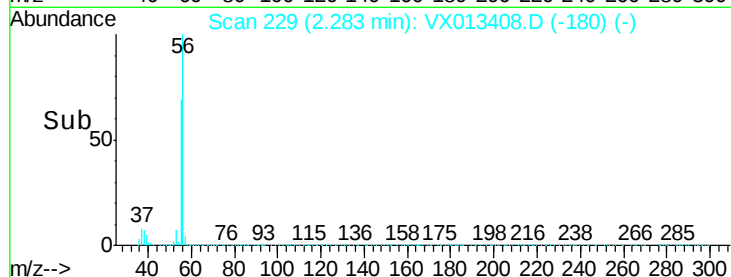
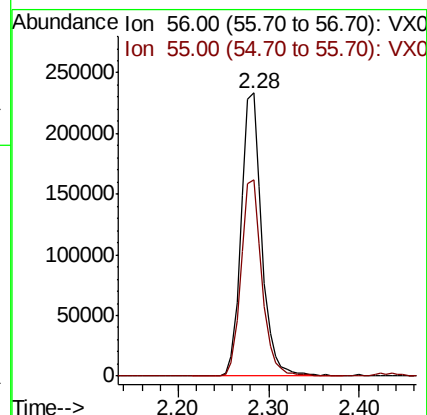
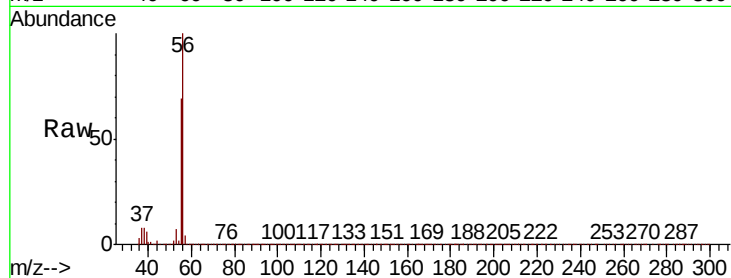
55 70.0 57.4 86.0

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#14

Allyl chloride

Concen: 52.234 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

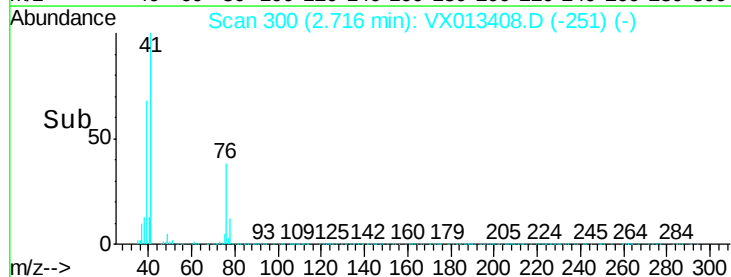
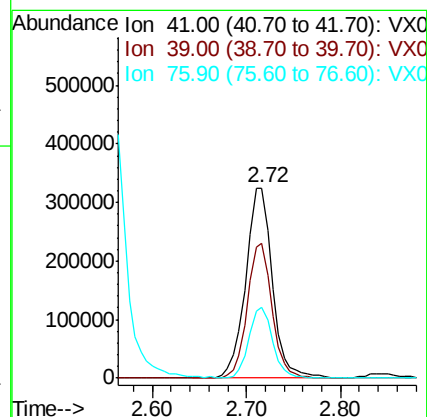
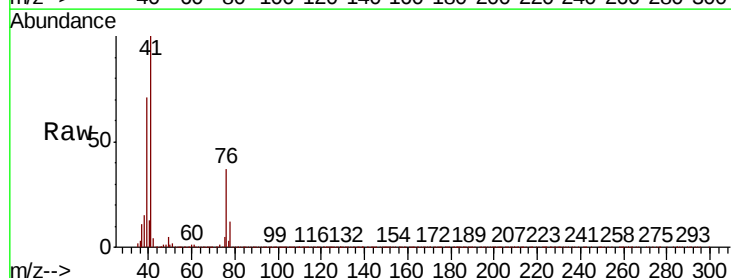
Tgt Ion: 41 Resp: 640471

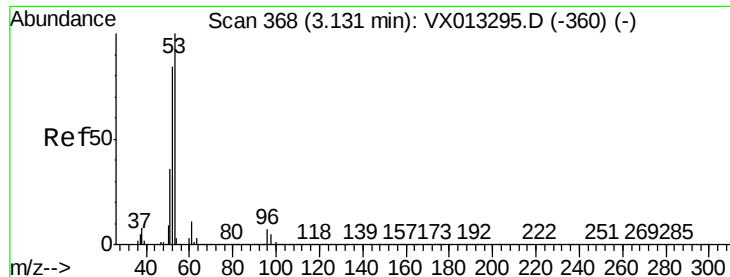
Ion Ratio Lower Upper

41 100

39 65.7 55.8 83.8

76 33.3 26.4 39.6





#15

Acrylonitrile

Concen: 254.249 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1091009

Ion Ratio Lower Upper

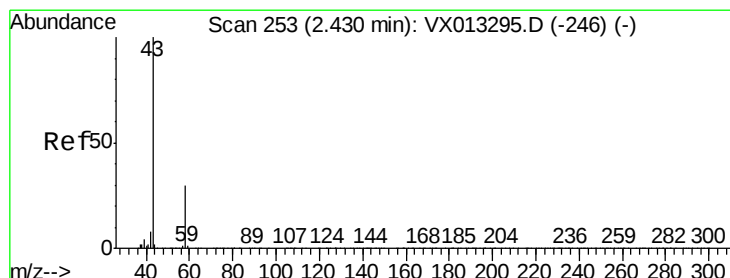
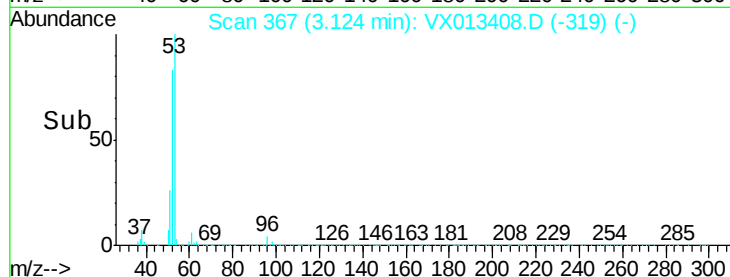
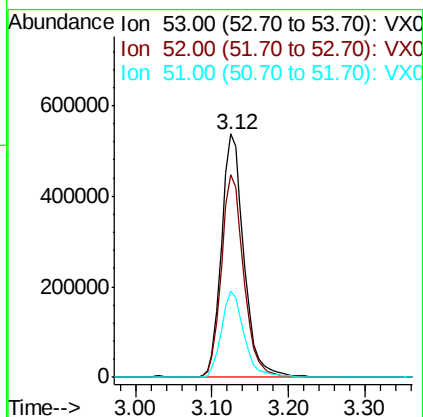
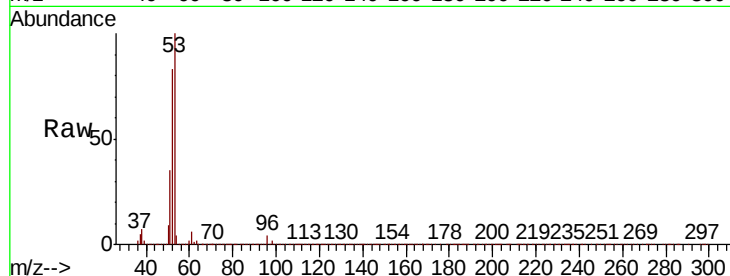
53 100

52 82.6 67.4 101.0

51 35.8 29.4 44.2

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#16

Acetone

Concen: 218.069 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013408.D

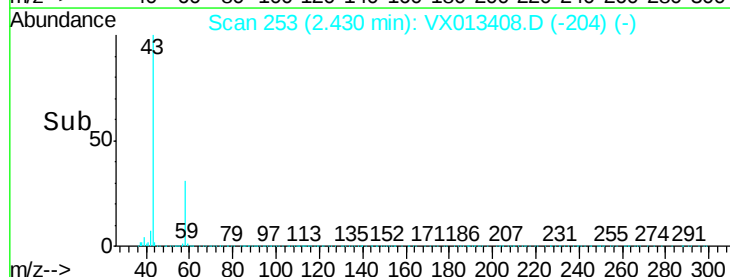
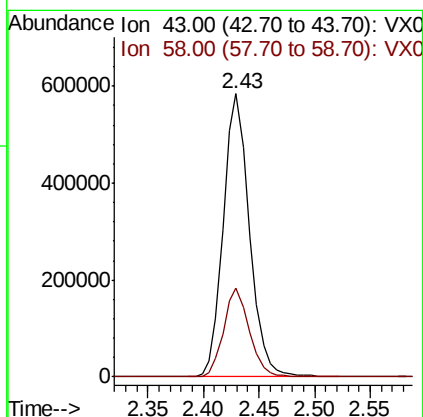
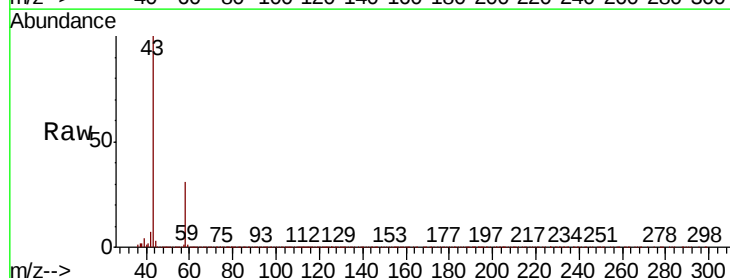
Acq: 13 Nov 2019 16:13

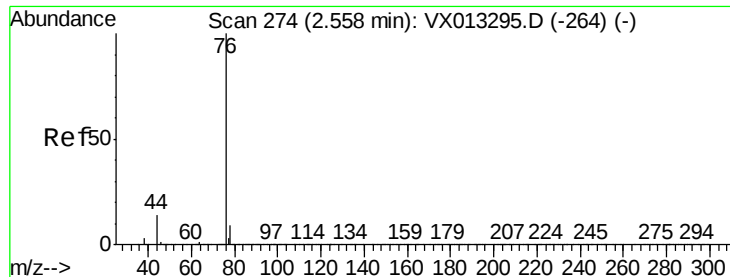
Tgt Ion: 43 Resp: 948013

Ion Ratio Lower Upper

43 100

58 31.4 24.3 36.5





#17

Carbon Disulfide

Concen: 50.312 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 908746

Ion Ratio Lower Upper

76 100

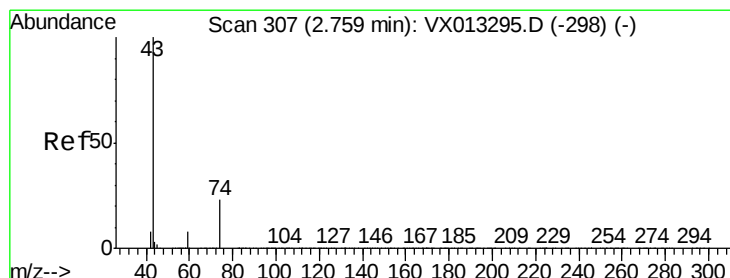
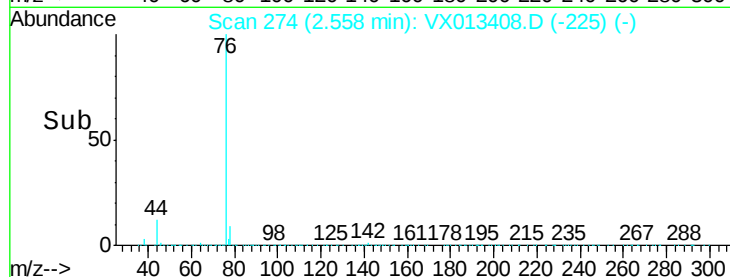
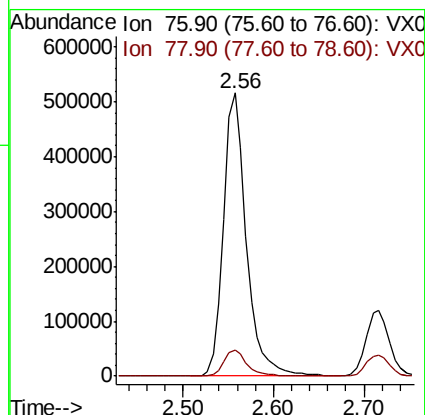
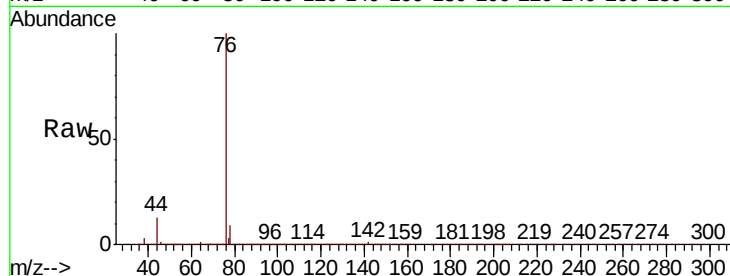
78 9.0 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#18

Methyl Acetate

Concen: 53.026 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013408.D

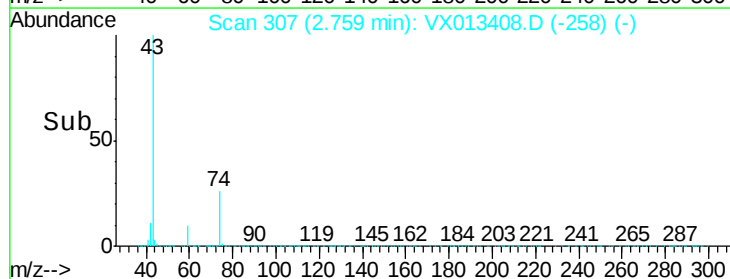
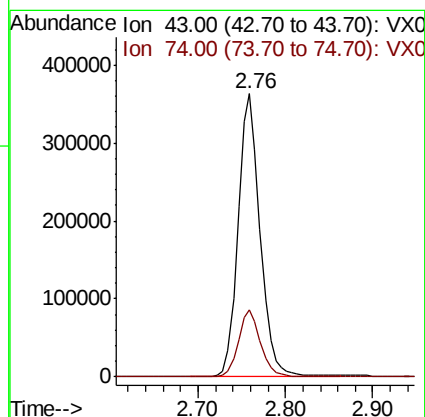
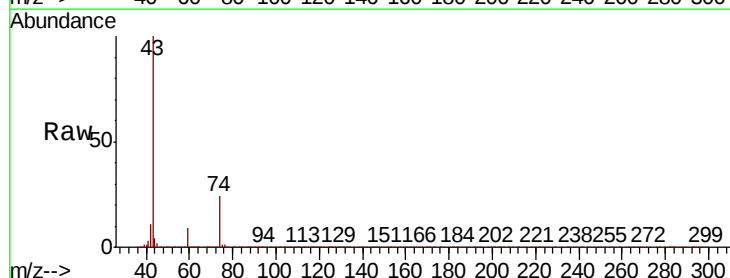
Acq: 13 Nov 2019 16:13

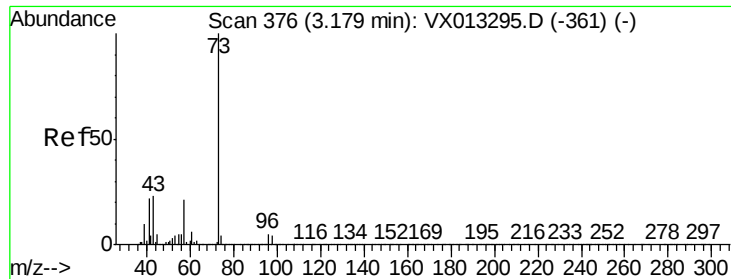
Tgt Ion: 43 Resp: 636417

Ion Ratio Lower Upper

43 100

74 23.8 19.0 28.6





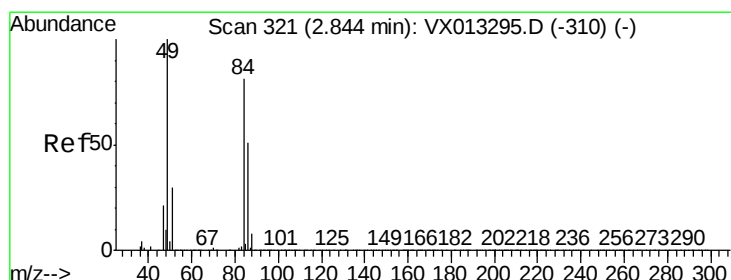
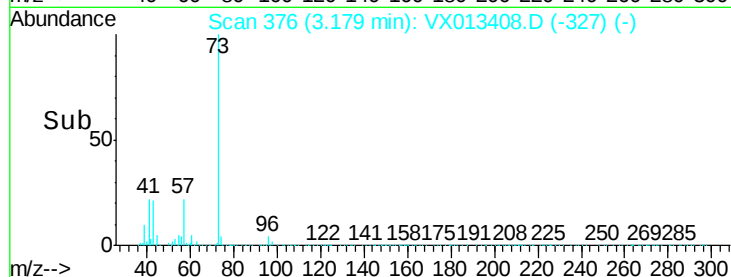
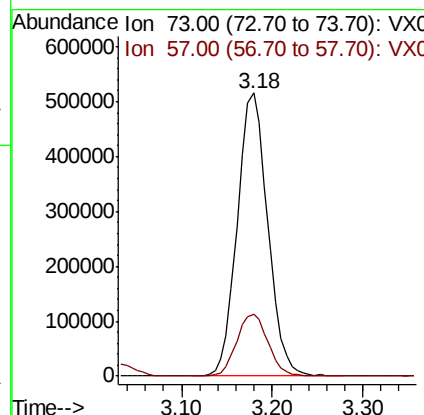
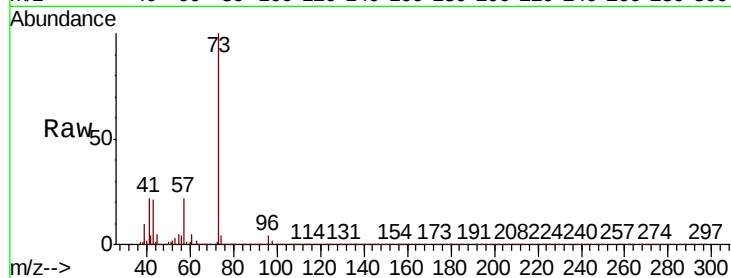
#19
Methvl tert-butvl Ether
Concen: 53.485 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1203838
Ion Ratio Lower Upper
73 100
57 21.7 17.1 25.7

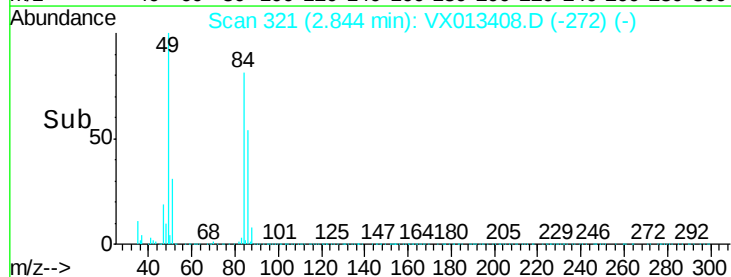
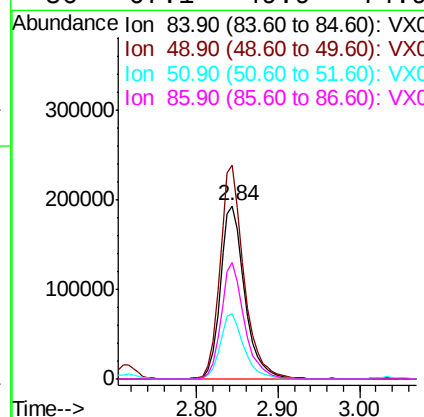
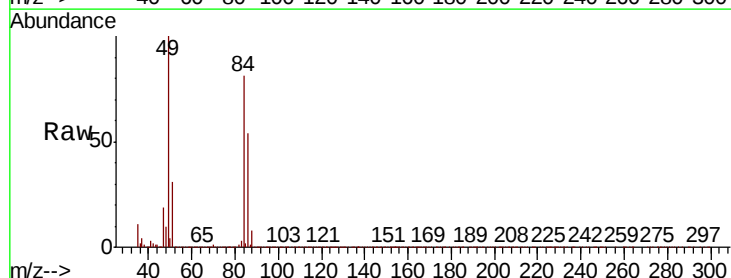
Manual Integrations
APPROVED

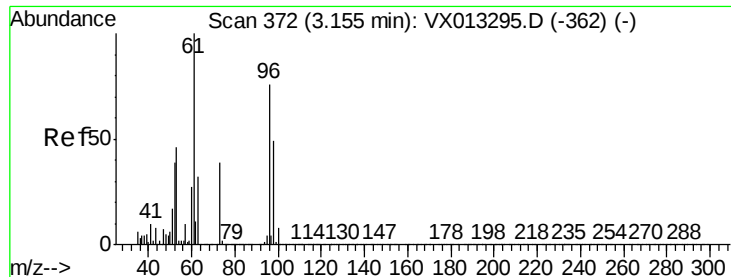
MMDadoda
11/14/2019 9:37:22 AM



#20
Methylene Chloride
Concen: 49.756 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion: 84 Resp: 399653
Ion Ratio Lower Upper
84 100
49 123.4 98.2 147.4
51 37.7 29.9 44.9
86 67.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 51.872 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

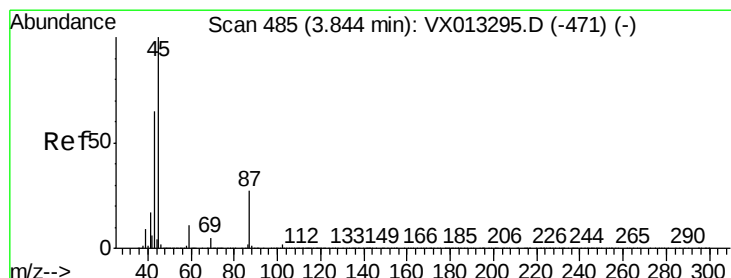
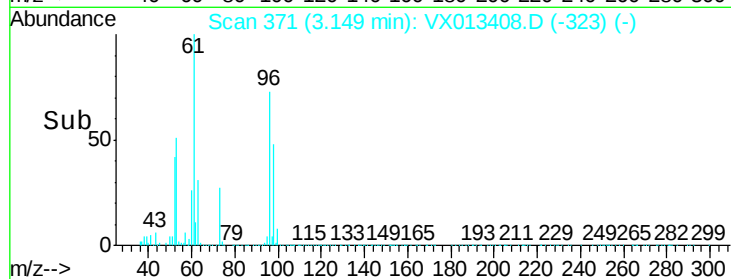
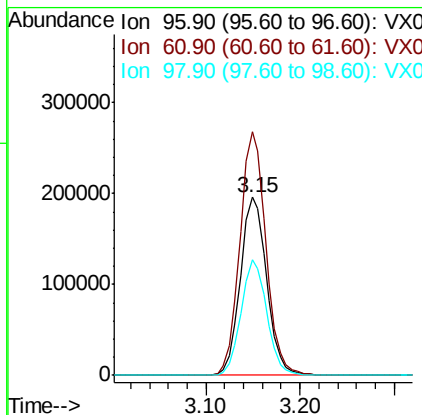
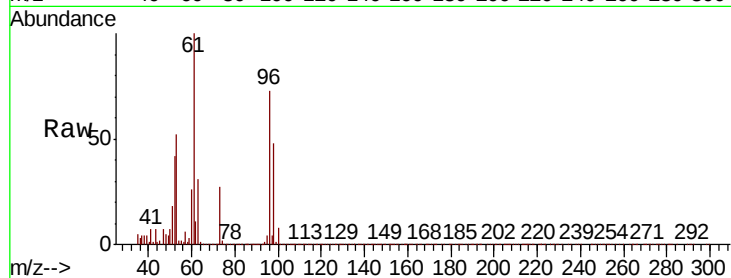
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	381140
Ion	Ratio	Lower	Upper
96	100		
61	136.8	105.8	158.6
98	65.1	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#22

Diisopropyl ether

Concen: 54.118 ug/l

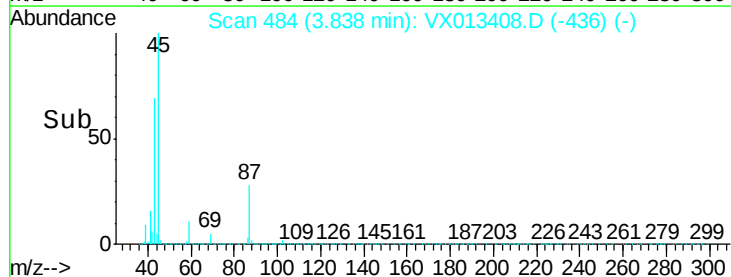
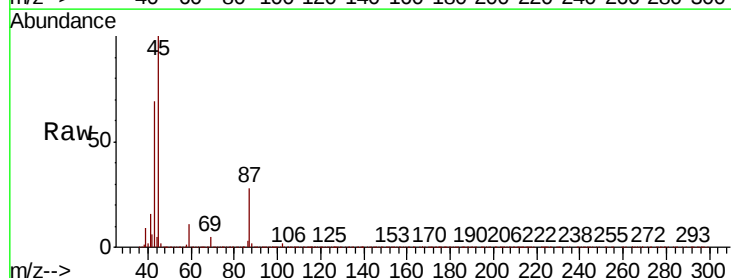
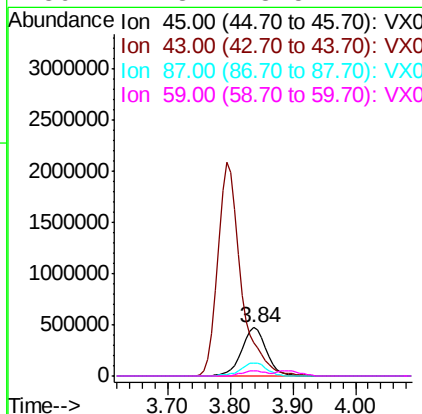
RT: 3.84 min Scan# 484

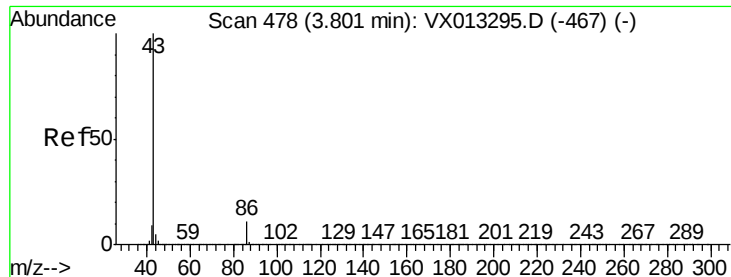
Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	45	Resp:	1281098
Ion	Ratio	Lower	Upper
45	100		
43	69.2	54.2	81.2
87	27.6	21.8	32.8
59	11.3	8.5	12.7





#23

Vinyl Acetate

Concen: 263.433 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5336172

Ion Ratio Lower Upper

43 100

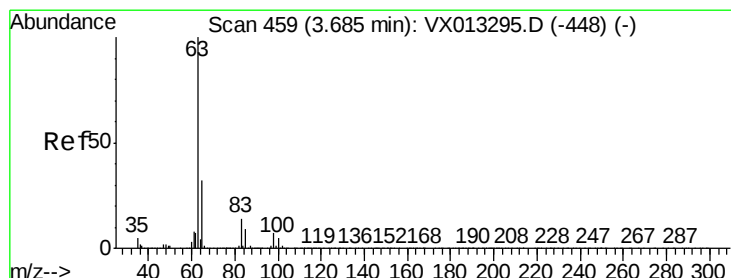
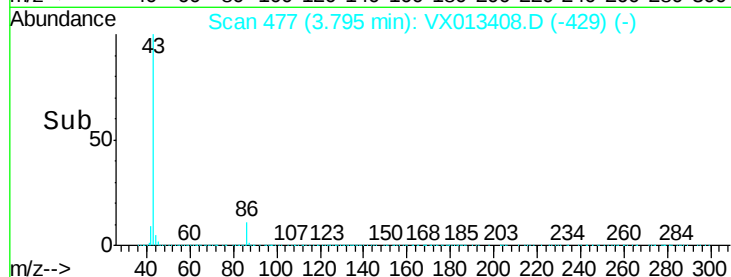
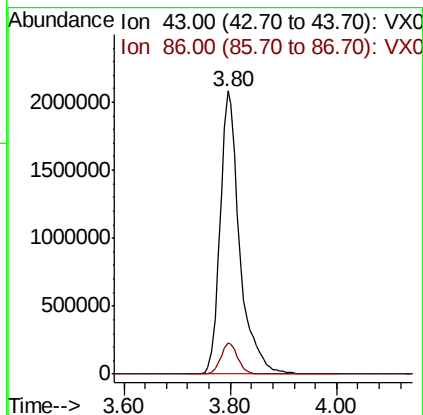
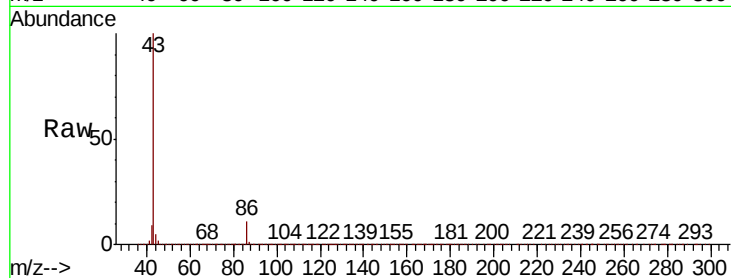
86 11.2 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#24

1,1-Dichloroethane

Concen: 52.022 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

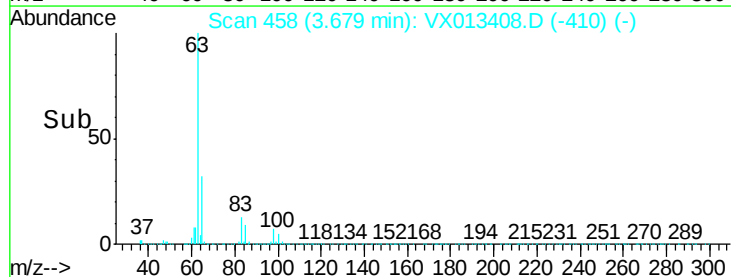
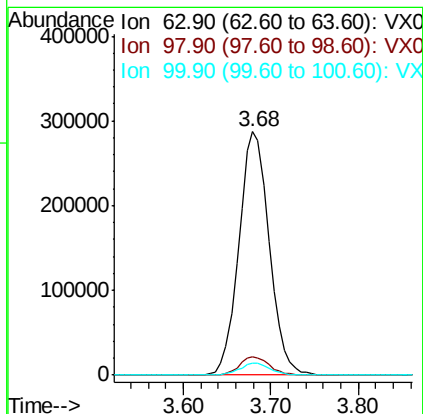
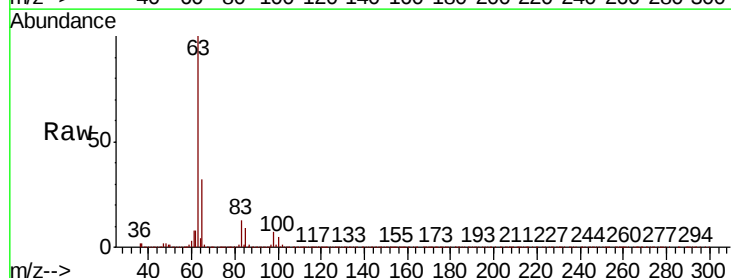
Tgt Ion: 63 Resp: 688896

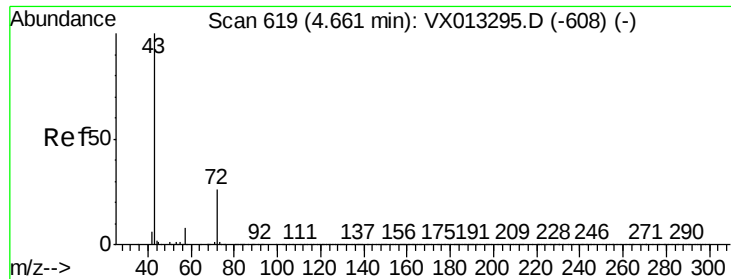
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 245.454 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1565398

Ion Ratio Lower Upper

43 100

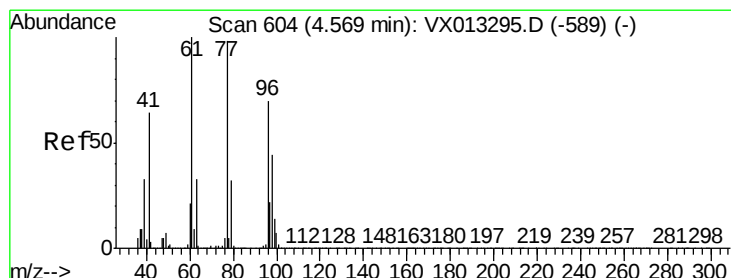
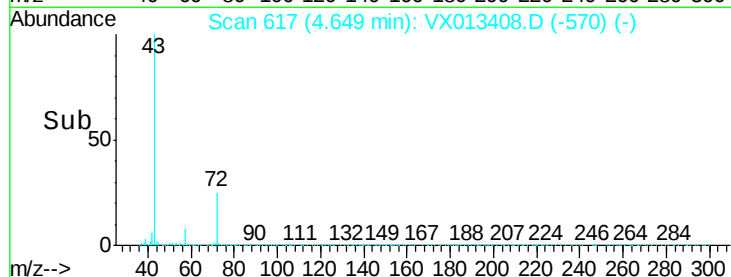
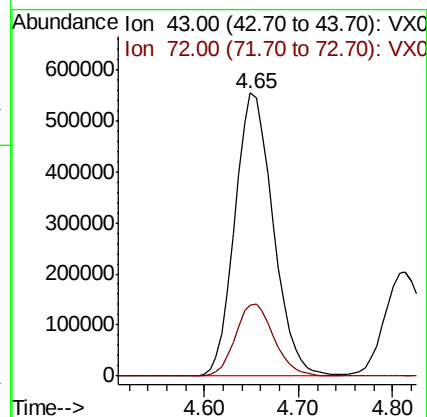
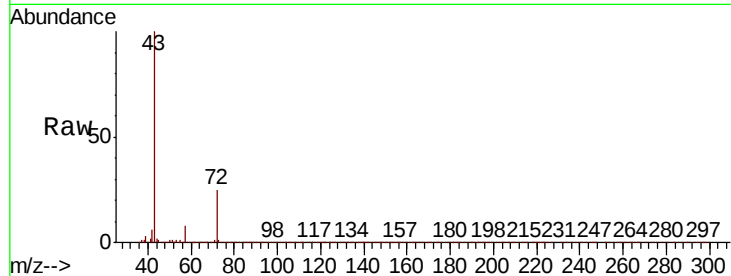
72 25.2 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#26

2,2-Dichloropropane

Concen: 51.354 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013408.D

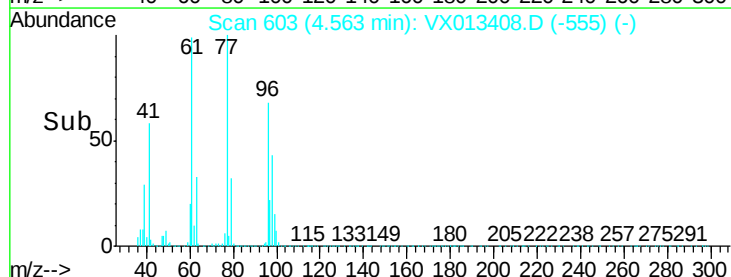
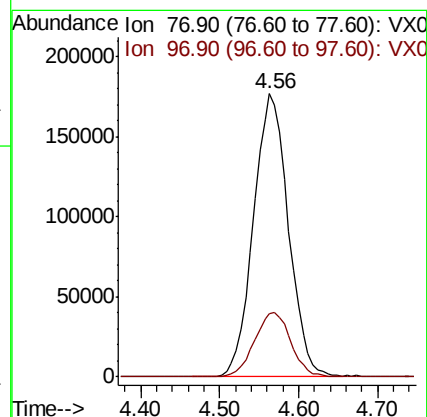
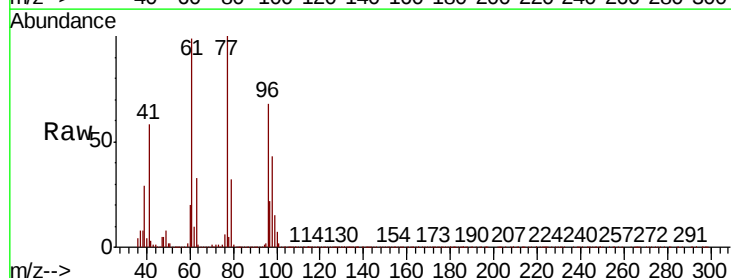
Acq: 13 Nov 2019 16:13

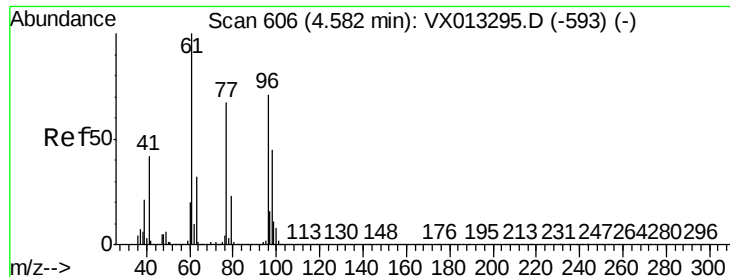
Tgt Ion: 77 Resp: 540995

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.8





#27

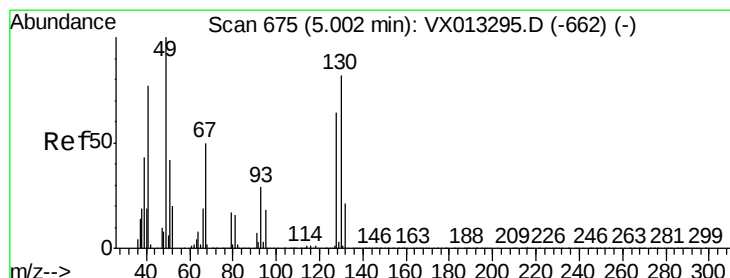
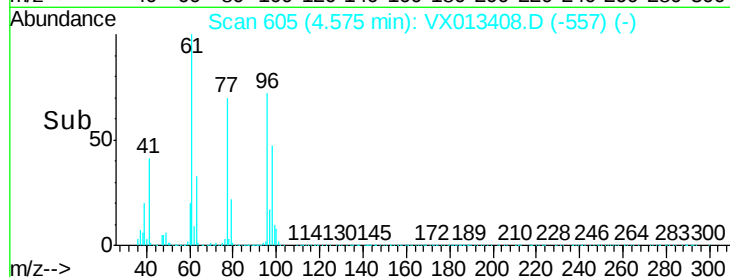
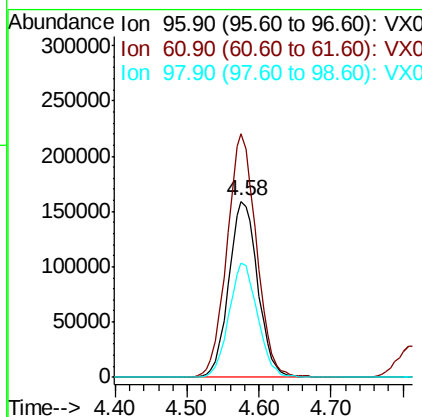
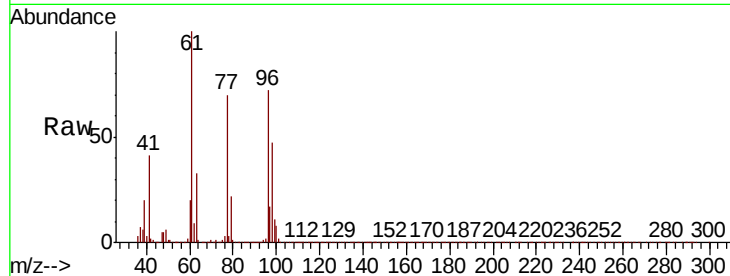
cis-1,2-Dichloroethene
Concen: 54.093 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	445242		
61	140.3	0.0	288.0	
98	64.5	0.0	129.6	

Manual Integrations
APPROVED

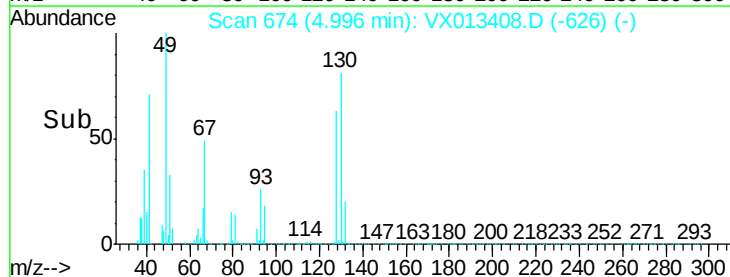
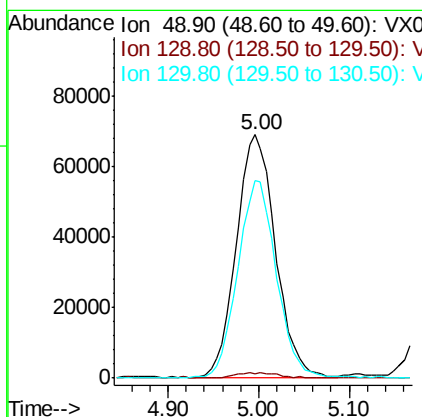
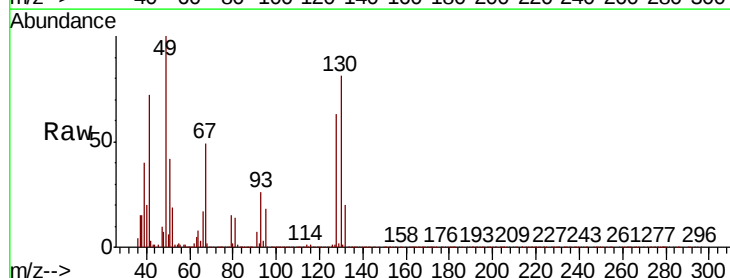
MMDadoda
11/14/2019 9:37:22 AM

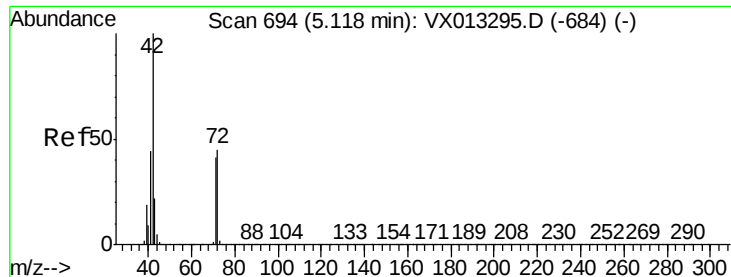


#28

Bromochloromethane
Concen: 54.631 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	205410		
129	2.5	0.0	5.2	
130	80.0	63.8	95.6	





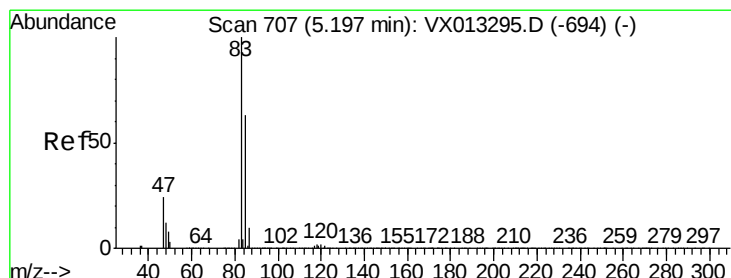
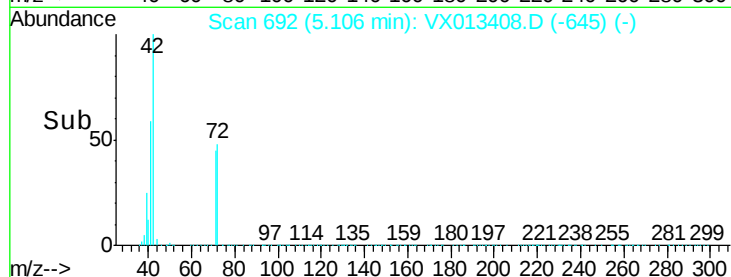
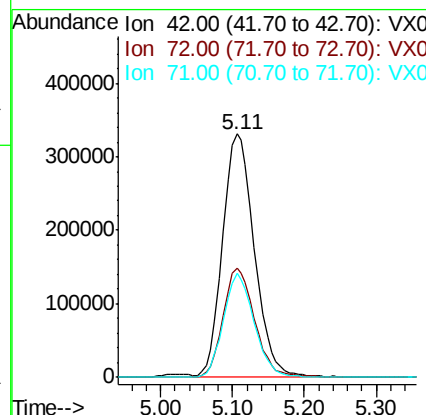
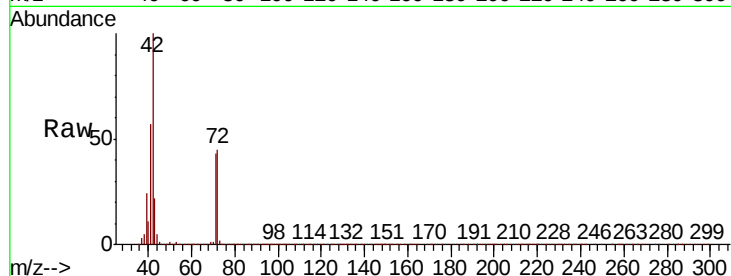
#29
Tetrahydrofuran
Concen: 256.417 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.8	53.8
71	41.4	33.4	50.0

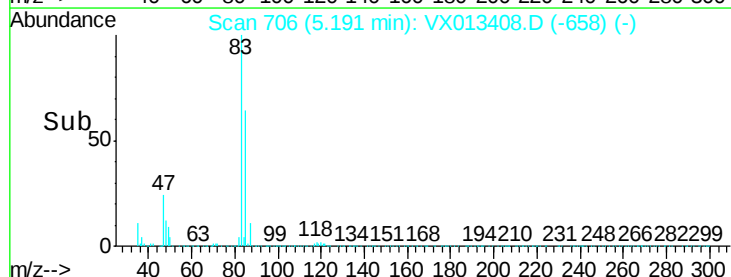
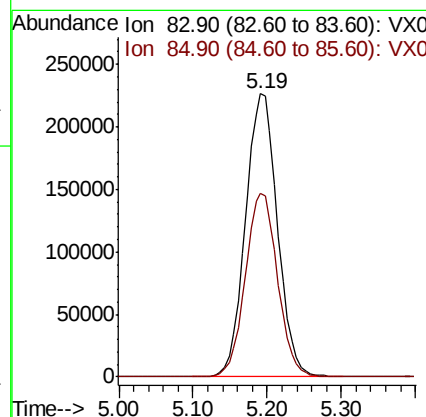
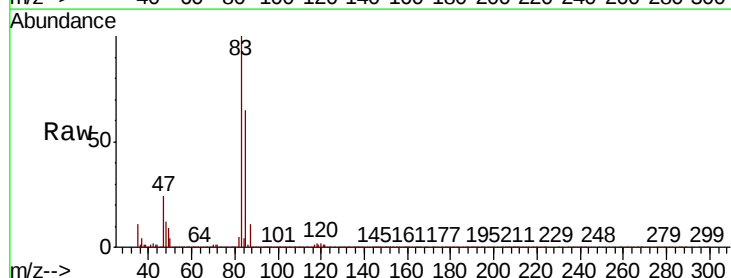
Manual Integrations
APPROVED

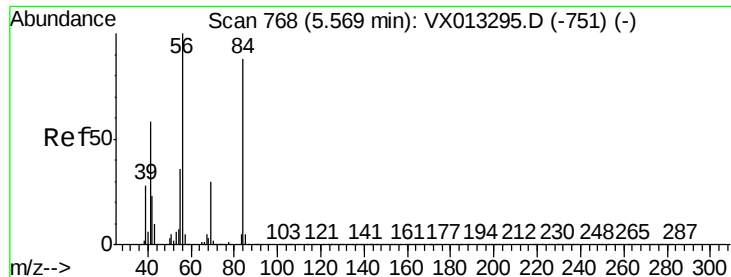
MMDadoda
11/14/2019 9:37:22 AM



#30
Chloroform
Concen: 52.123 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.4





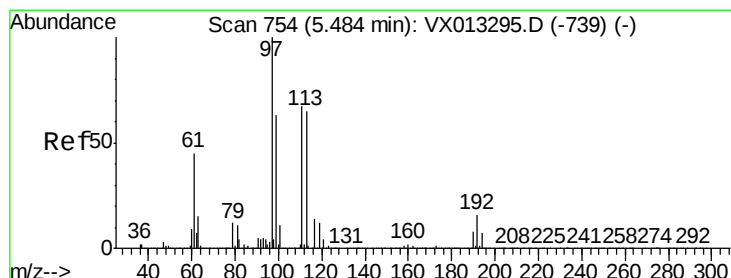
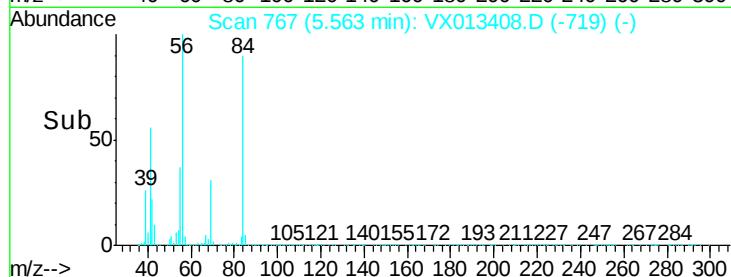
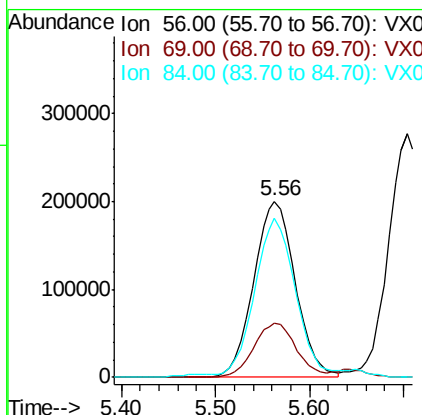
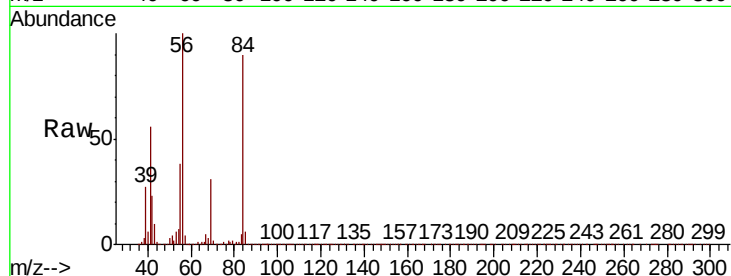
#31
Cyclohexane
Concen: 51.822 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.7	35.5
84	88.9	70.6	105.8

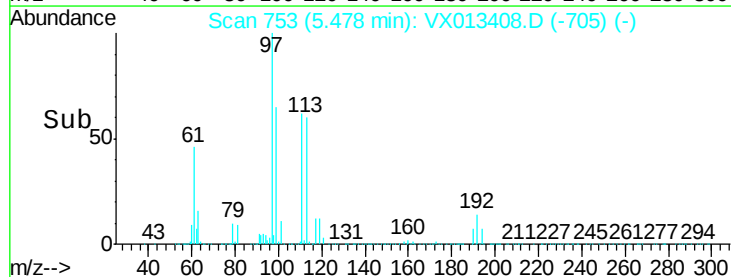
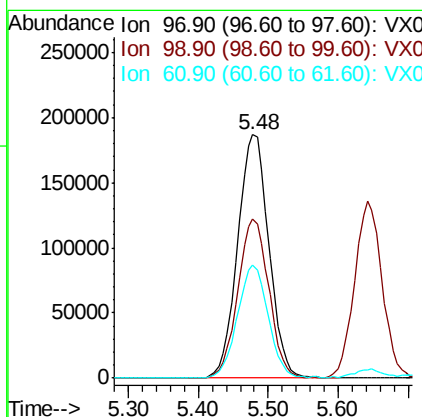
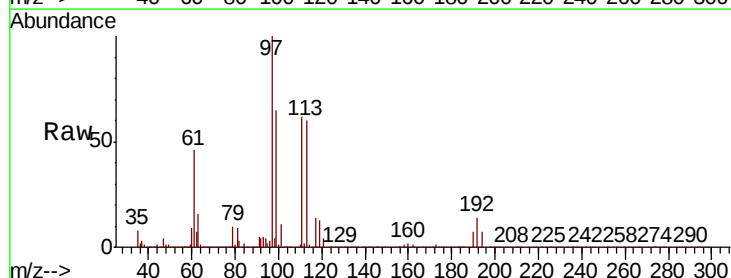
Manual Integrations
APPROVED

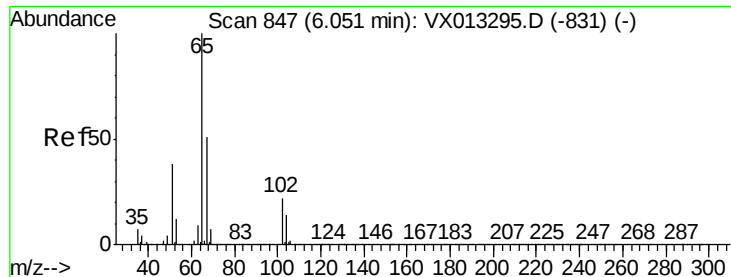
MMDadoda
11/14/2019 9:37:22 AM



#32
1,1,1-Trichloroethane
Concen: 51.403 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	45.5	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 43.880 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 382448

Ion Ratio Lower Upper

65 100

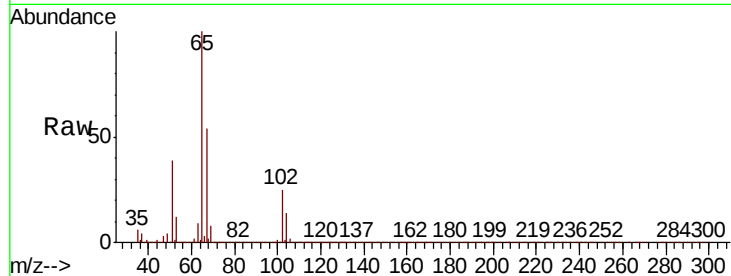
67 53.1 0.0 104.2

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

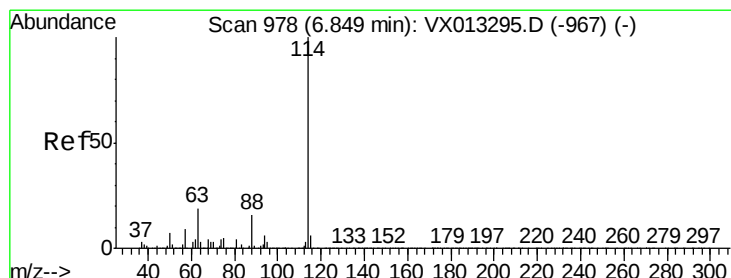
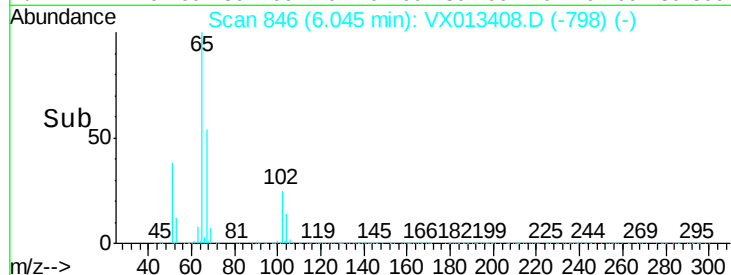
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

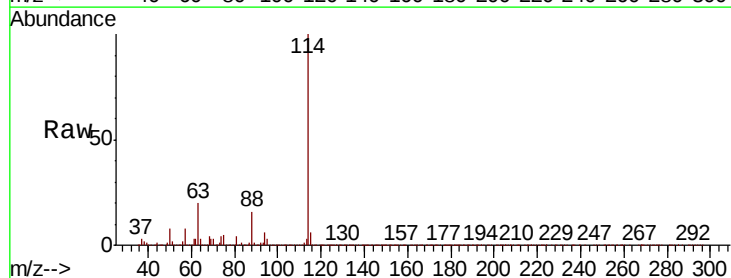
Tgt Ion: 114 Resp: 1113508

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.9 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

6.84

600000

500000

400000

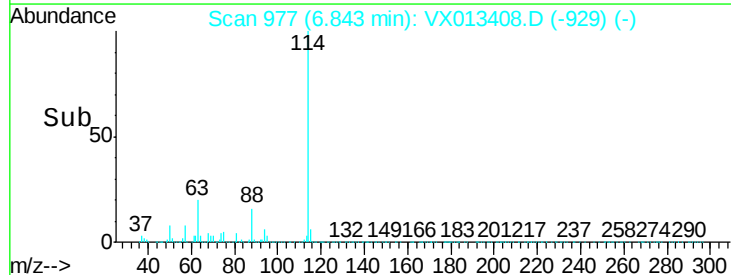
300000

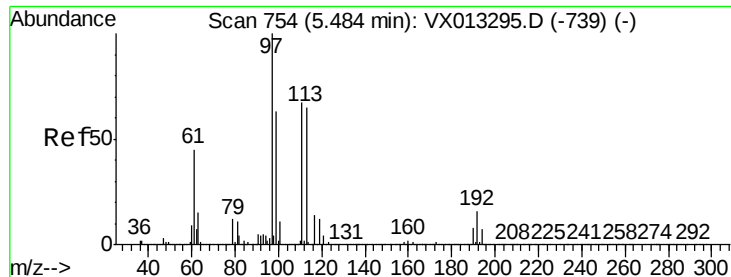
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





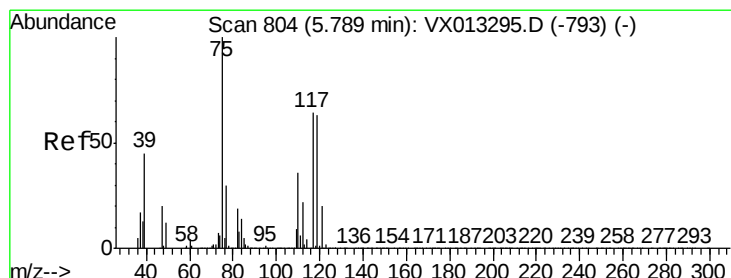
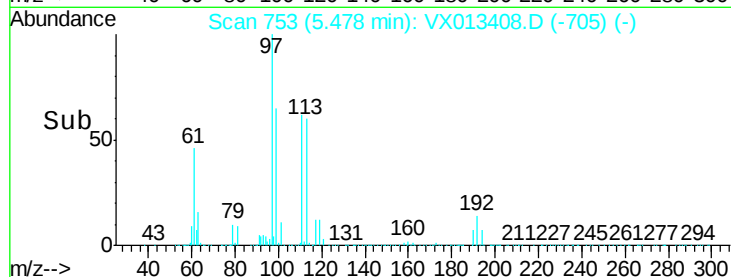
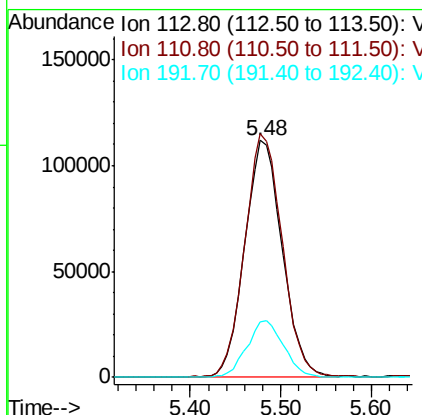
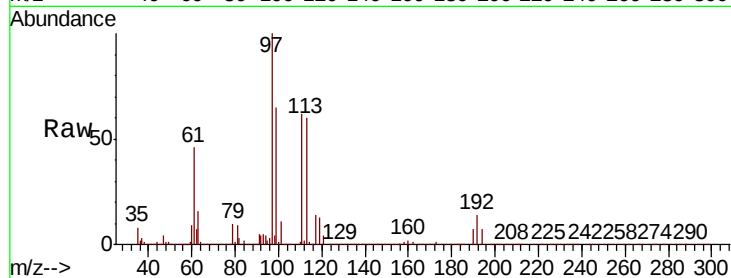
#35
 Dibromofluoromethane
 Concen: 45.807 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX013408.D
 Acq: 13 Nov 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	23.5	19.1	28.7

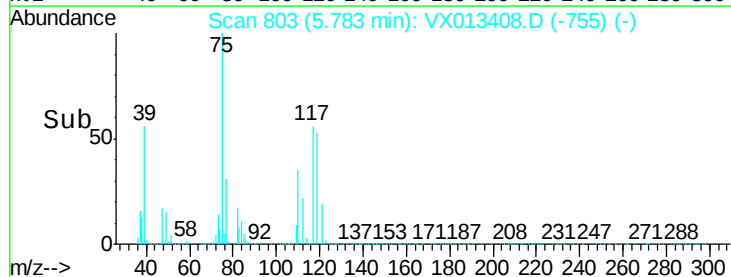
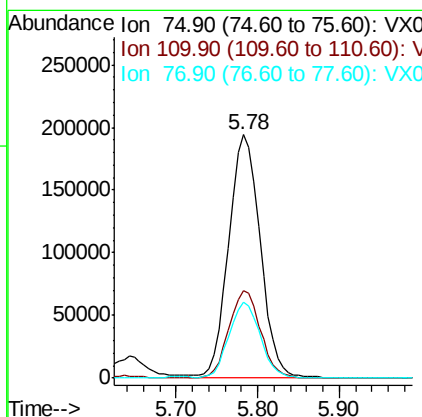
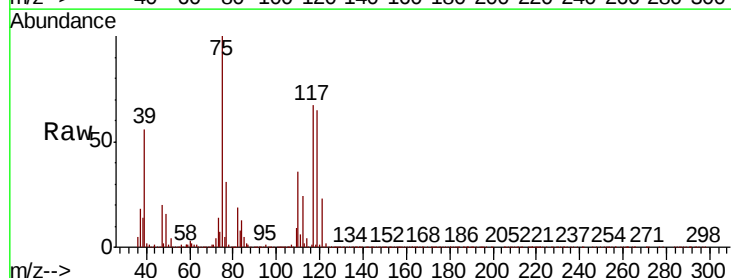
Manual Integrations
 APPROVED

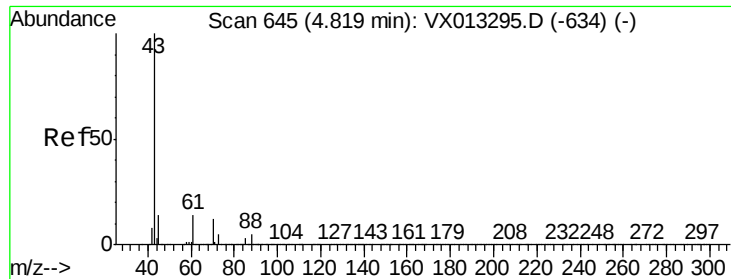
MMDadoda
 11/14/2019 9:37:22 AM



#36
 1,1-Dichloropropene
 Concen: 53.951 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX013408.D
 Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.1
77	30.8	25.0	37.4





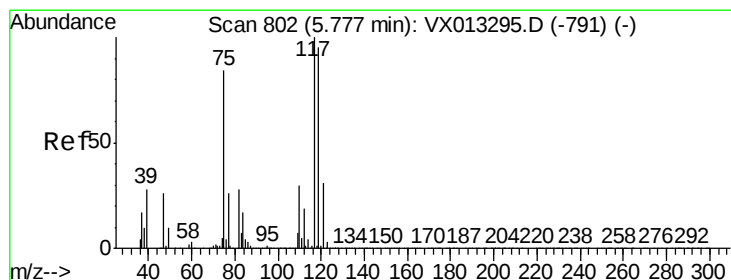
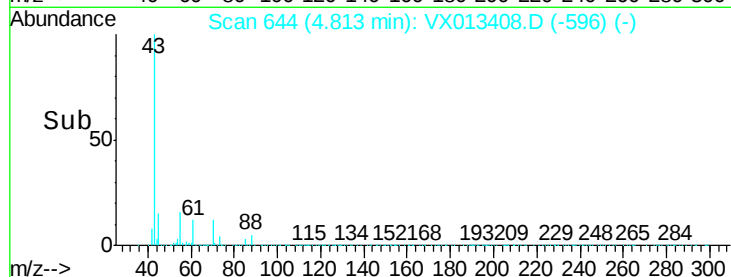
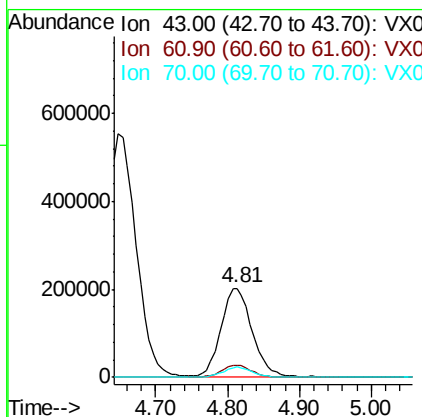
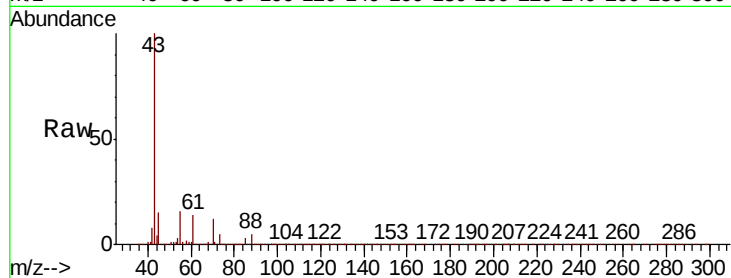
#37
Ethyl Acetate
Concen: 51.023 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	11.4	8.7	13.1

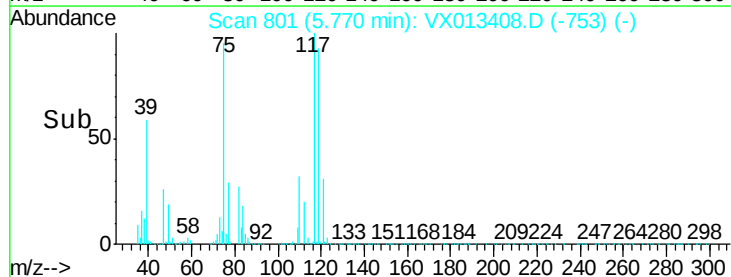
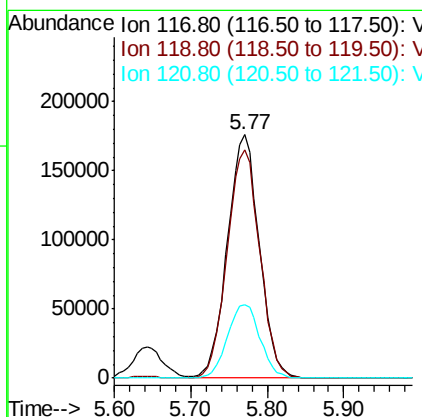
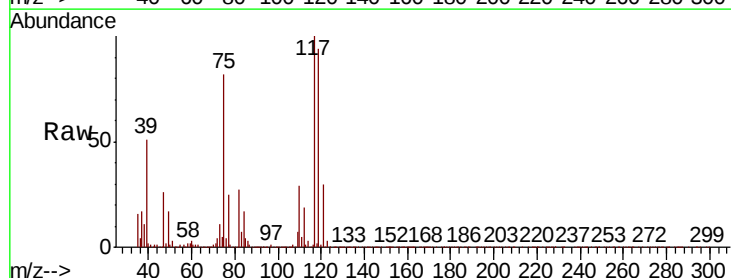
Manual Integrations
APPROVED

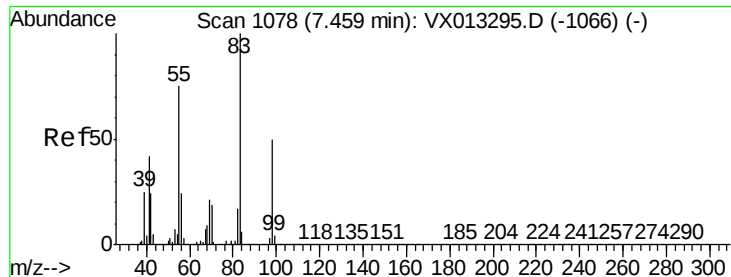
MMDadoda
11/14/2019 9:37:22 AM



#38
Carbon Tetrachloride
Concen: 54.078 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.1	114.1
121	30.0	24.6	37.0





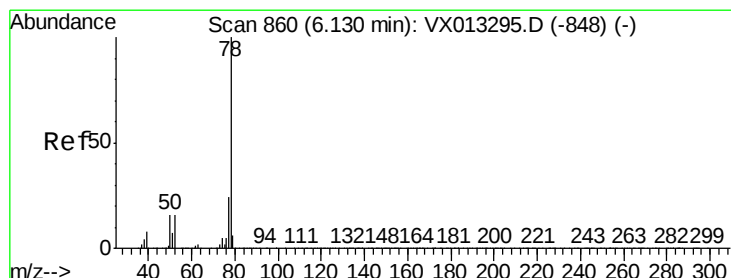
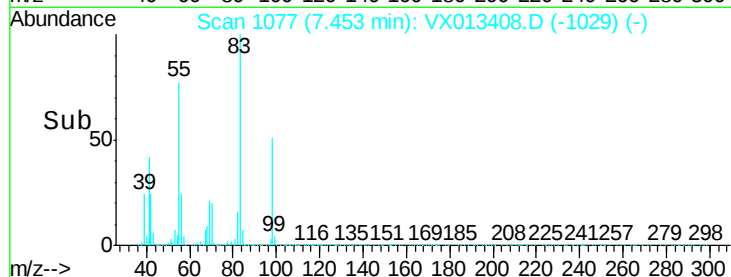
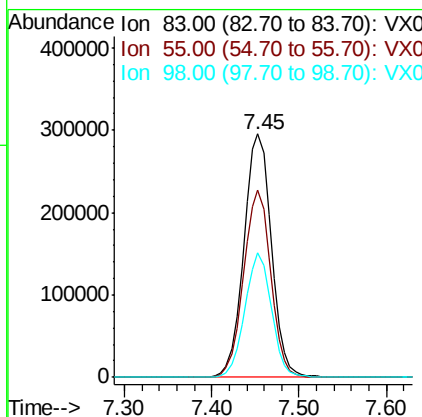
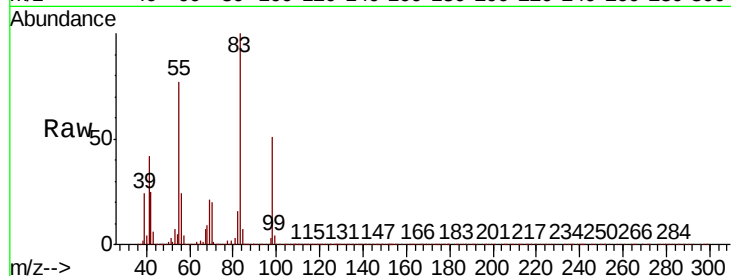
#39
Methvlcvclohexane
Concen: 54.149 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.3	90.5
98	50.9	40.3	60.5

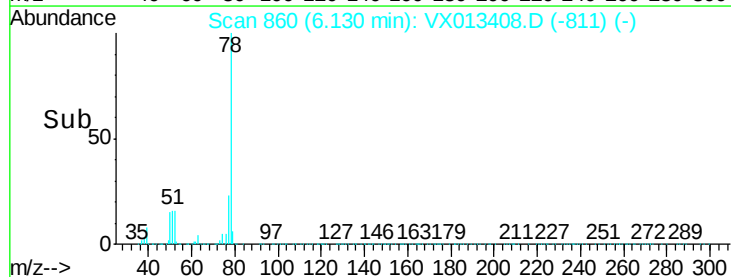
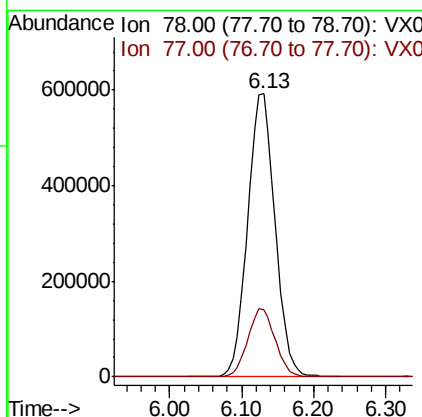
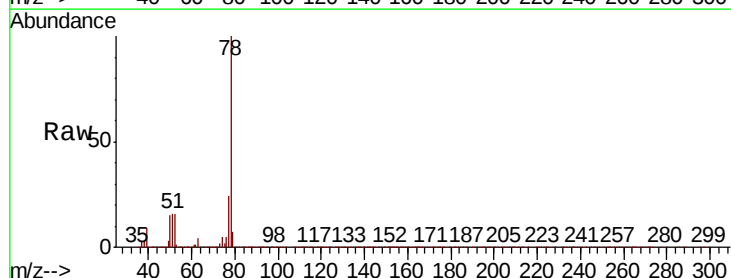
Manual Integrations
APPROVED

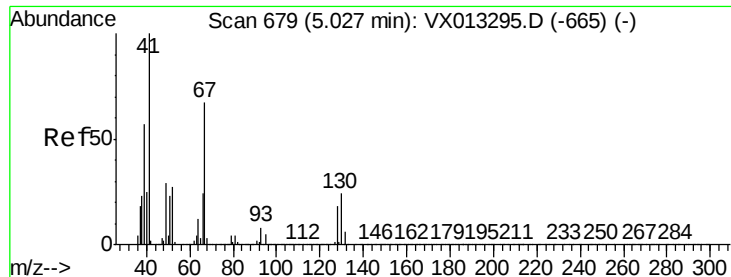
MMDadoda
11/14/2019 9:37:22 AM



#40
Benzene
Concen: 52.664 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.5	29.3





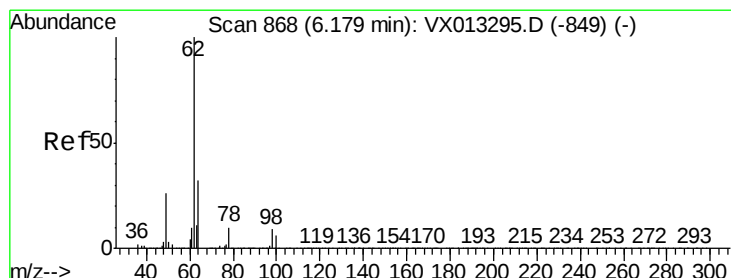
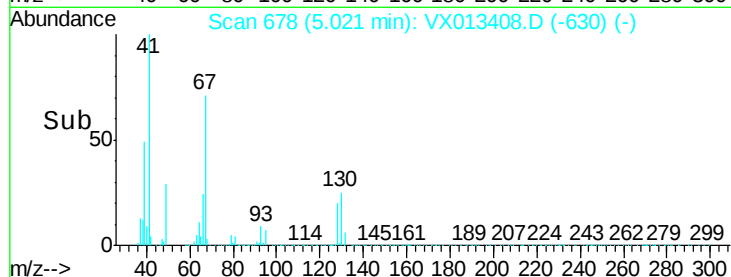
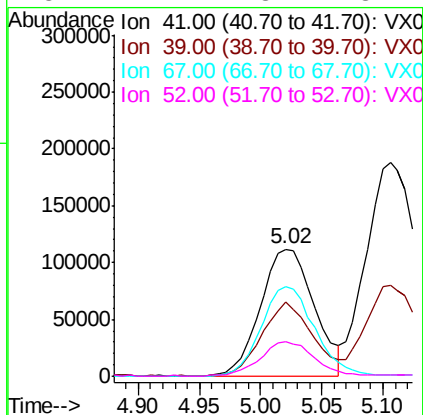
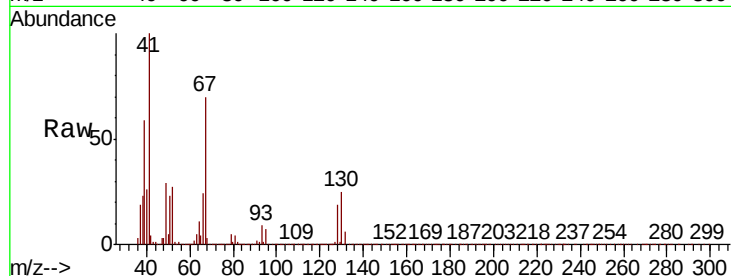
#41
Methacrylonitrile
Concen: 51.601 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.0	67.6
67	71.5	55.4	83.2
52	27.4	23.1	34.7

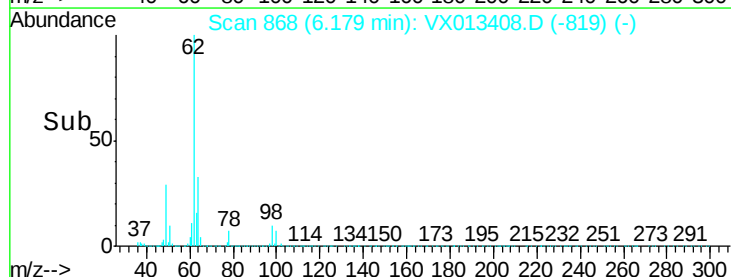
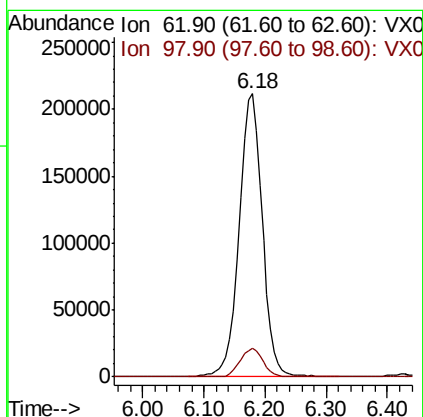
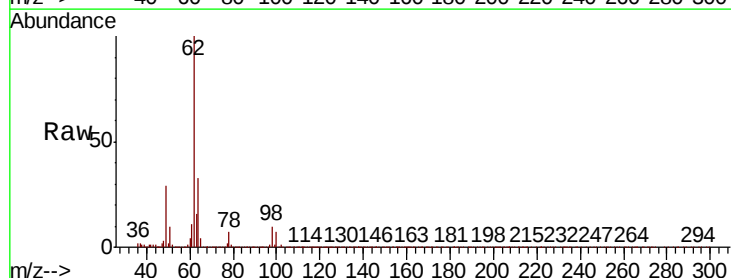
Manual Integrations
APPROVED

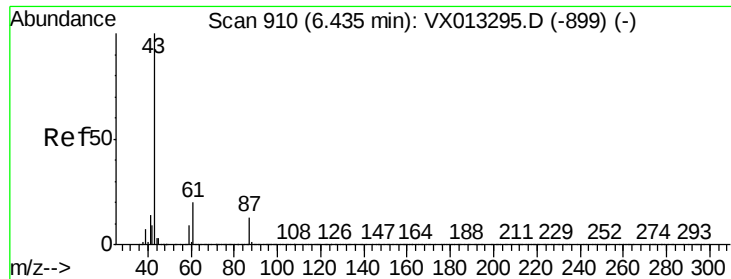
MMDadoda
11/14/2019 9:37:22 AM



#42
1,2-Dichloroethane
Concen: 51.046 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





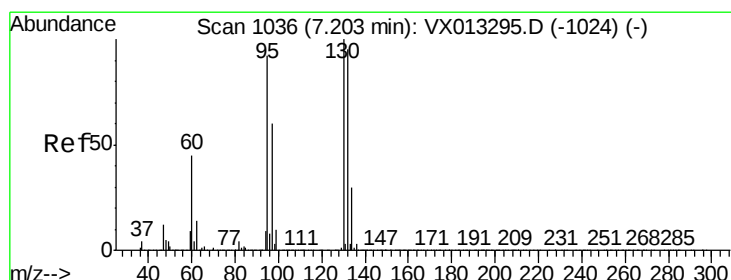
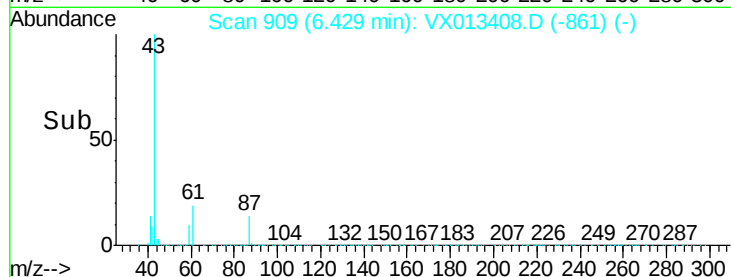
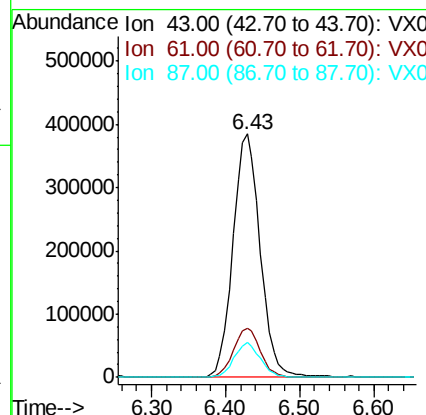
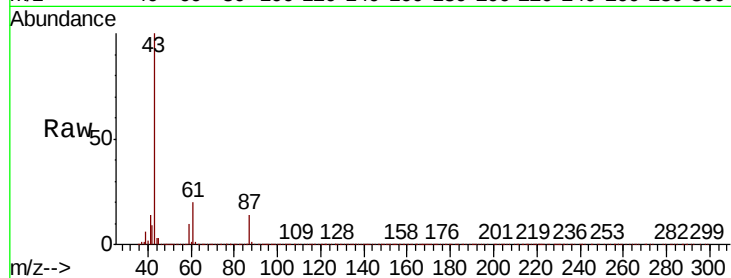
#43
Isopropyl Acetate
Concen: 53.301 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	13.7	10.4	15.6

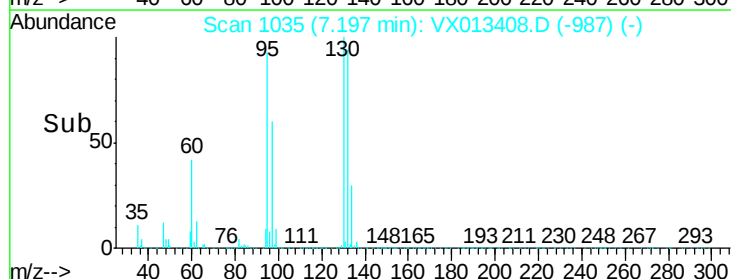
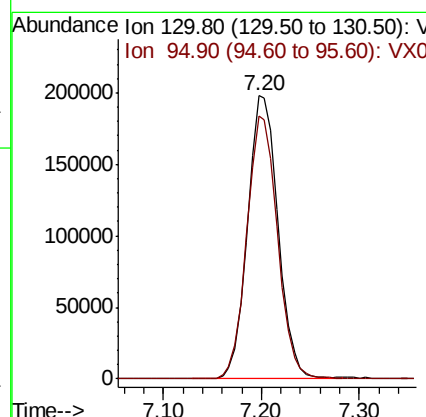
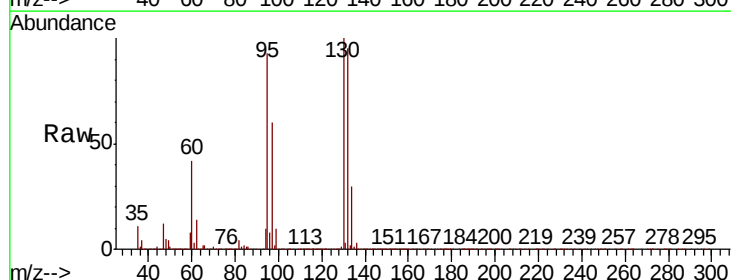
Manual Integrations
APPROVED

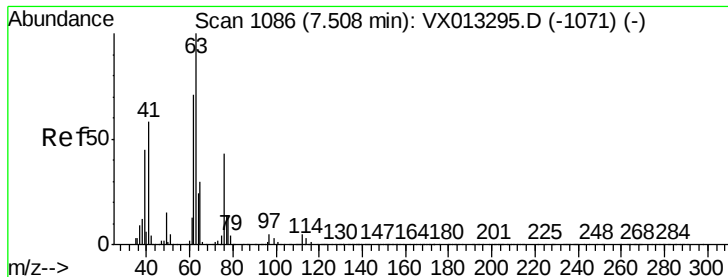
MMDadoda
11/14/2019 9:37:22 AM



#44
Trichloroethene
Concen: 52.094 ug/l
RT: 7.20 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	184.8





#45

1,2-Dichloropropane

Concen: 53.617 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 406502

Ion Ratio Lower Upper

63 100

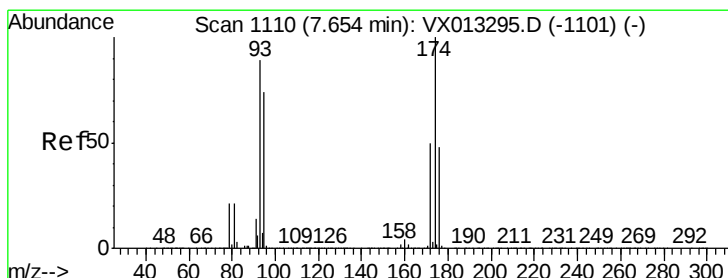
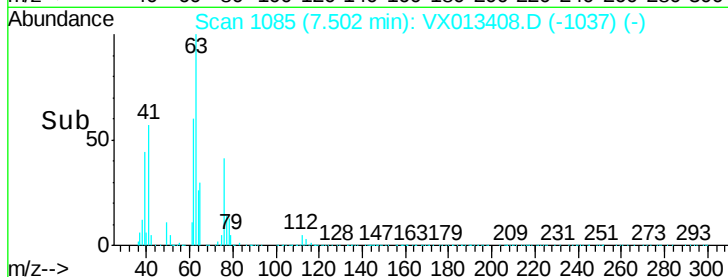
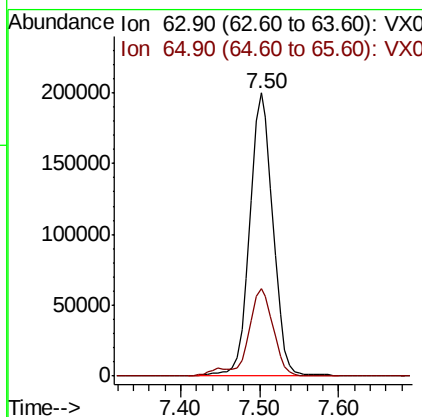
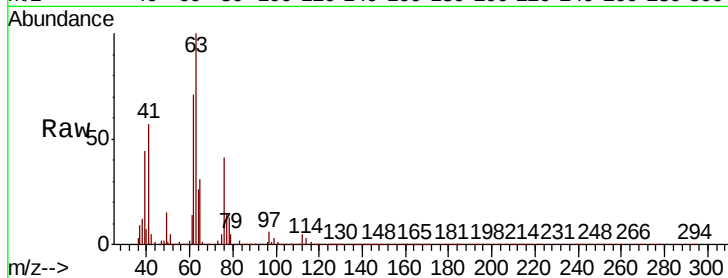
65 31.1 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#46

Dibromomethane

Concen: 51.127 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

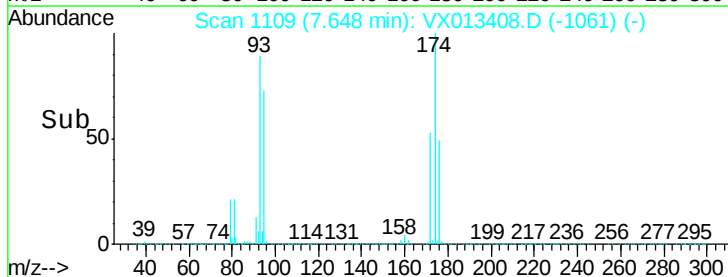
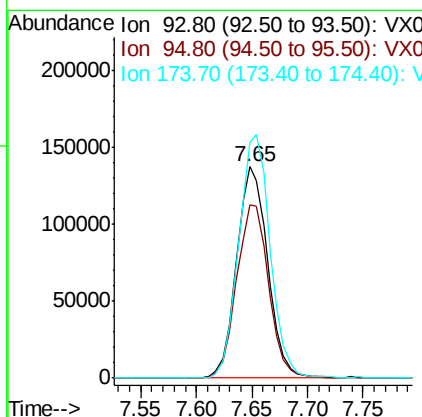
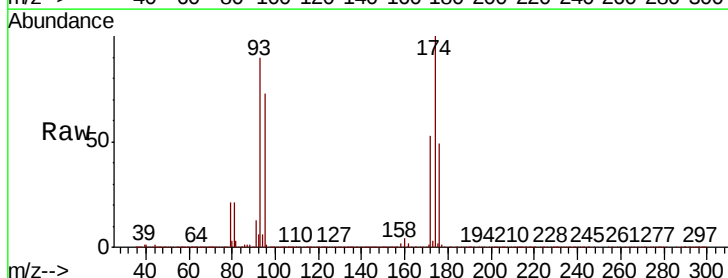
Tgt Ion: 93 Resp: 264663

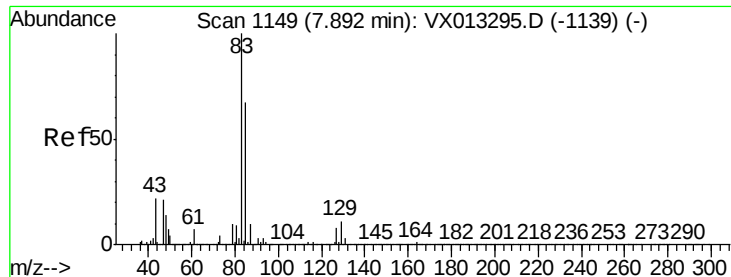
Ion Ratio Lower Upper

93 100

95 84.2 65.8 98.6

174 117.1 90.4 135.6





#47

Bromodichloromethane

Concen: 55.156 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

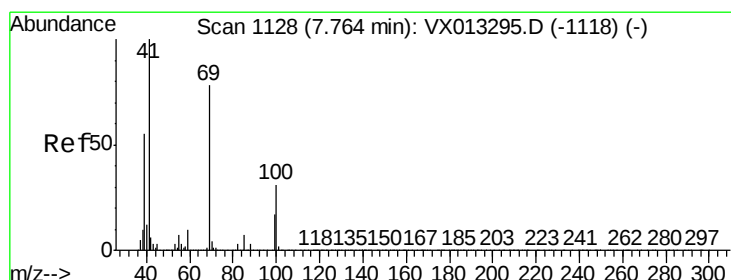
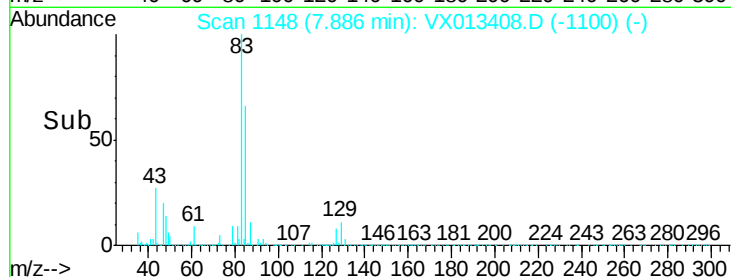
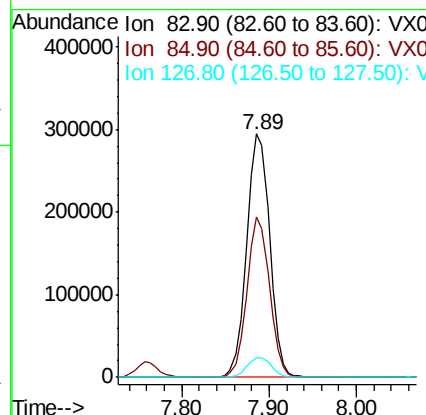
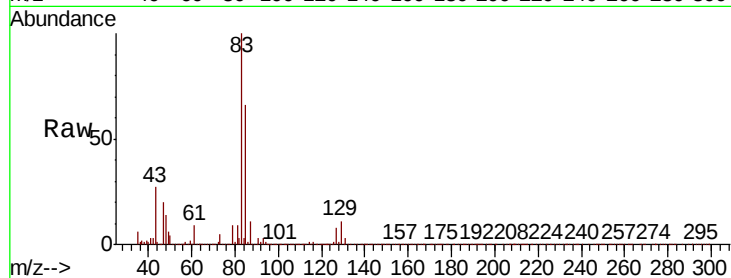
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	538399
Ion Ratio	Lower	Upper	
83	100		
85	65.6	53.7	80.5
127	7.9	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#48

Methyl methacrylate

Concen: 53.860 ug/l

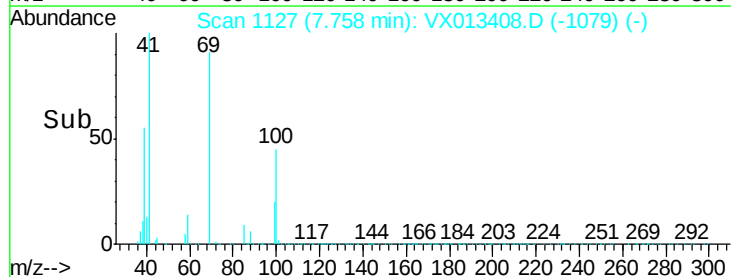
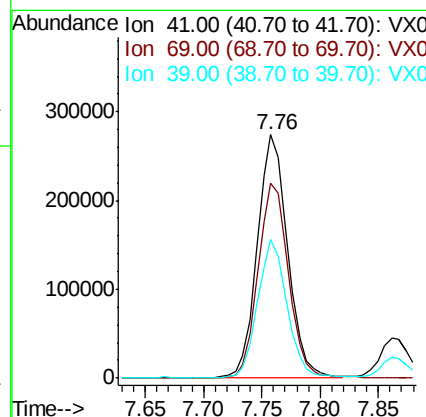
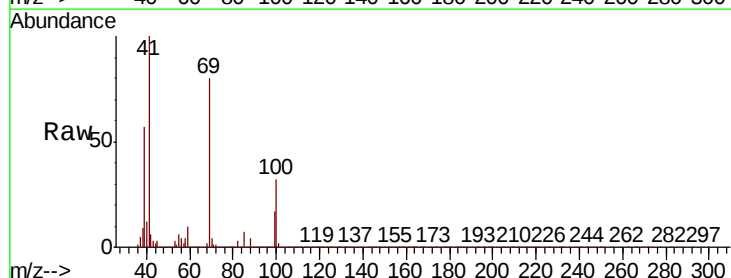
RT: 7.76 min Scan# 1127

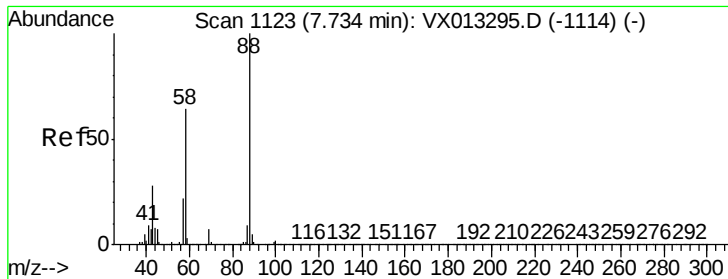
Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	41	Resp:	494172
Ion Ratio	Lower	Upper	
41	100		
69	81.0	63.0	94.6
39	55.8	45.9	68.9





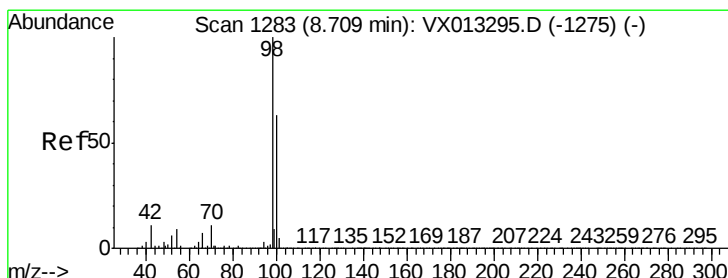
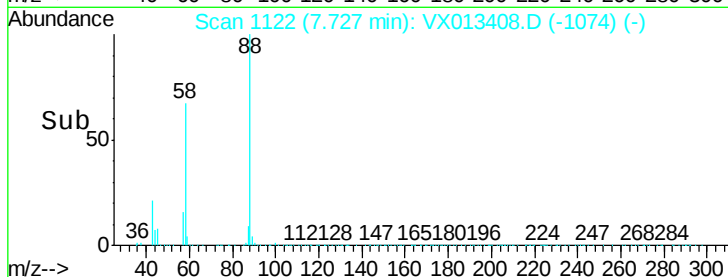
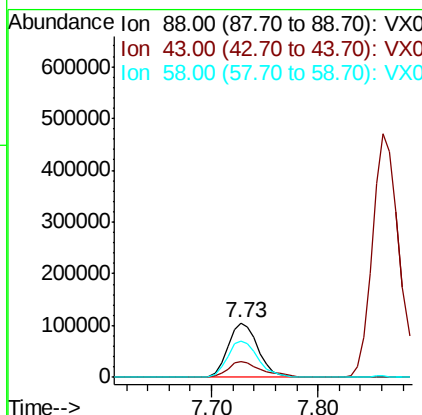
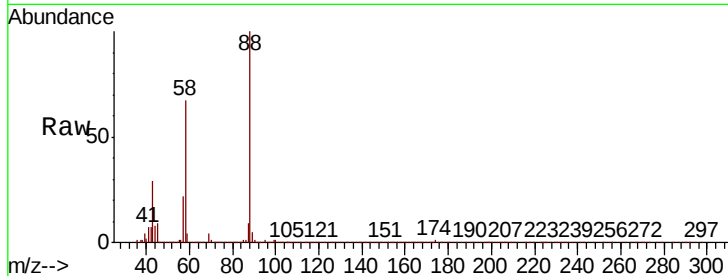
#49
1,4-Dioxane
Concen: 977.064 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.6	39.8
58	69.5	55.0	82.6

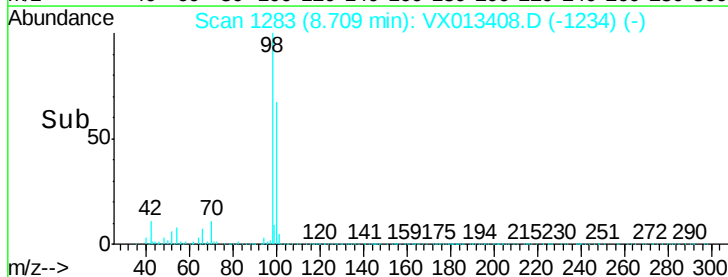
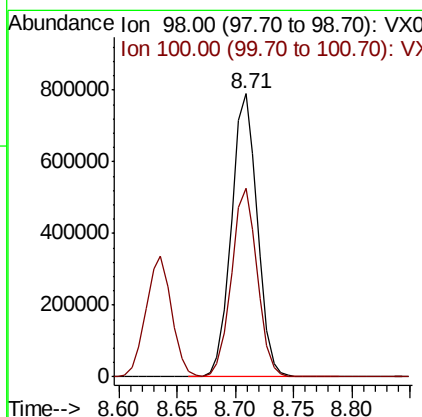
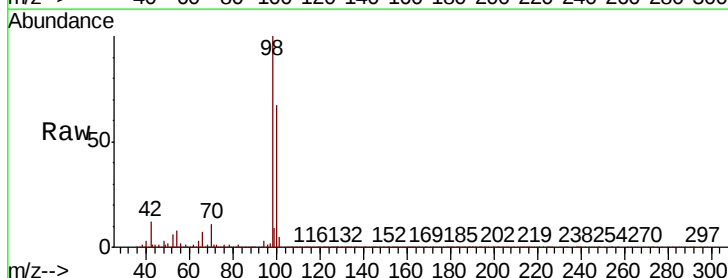
Manual Integrations
APPROVED

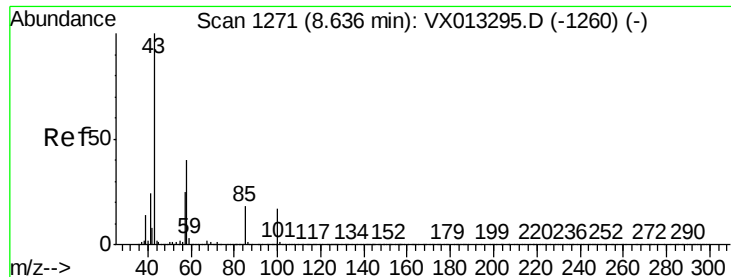
MMDadoda
11/14/2019 9:37:22 AM



#50
Toluene-d8
Concen: 46.482 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 258.612 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tot Ion: 43 Resp: 3118651

Ion Ratio Lower Upper

43 100

58 40.0 31.4 47.0

Instrument :

MSVOA_X

ClientSampleId :

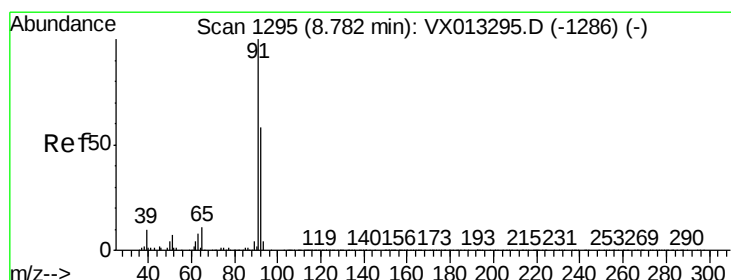
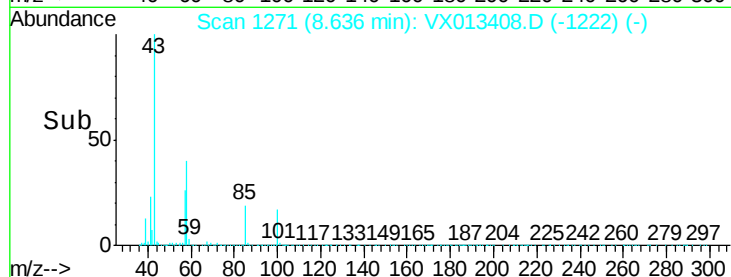
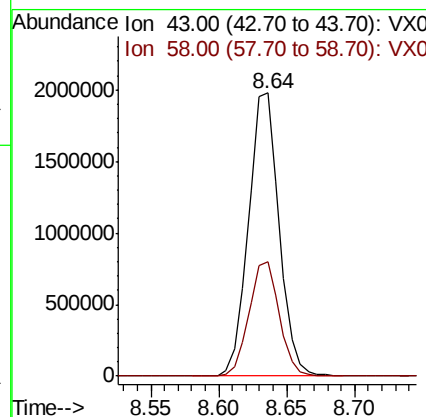
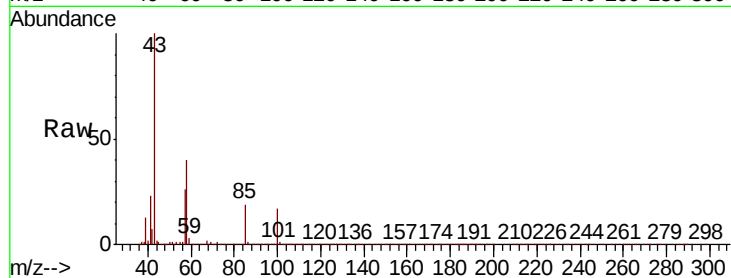
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#52

Toluene

Concen: 54.354 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013408.D

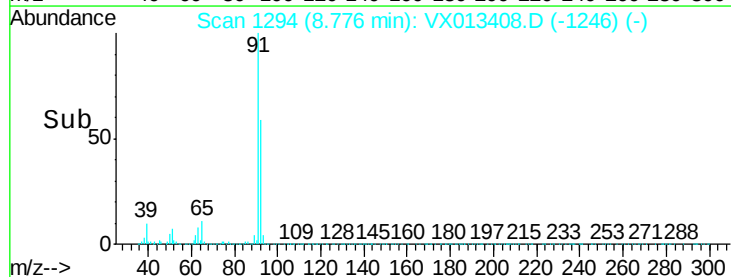
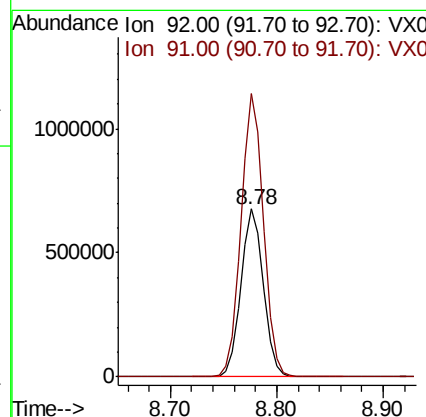
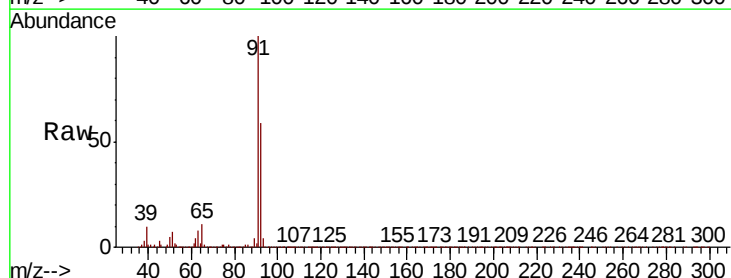
Acq: 13 Nov 2019 16:13

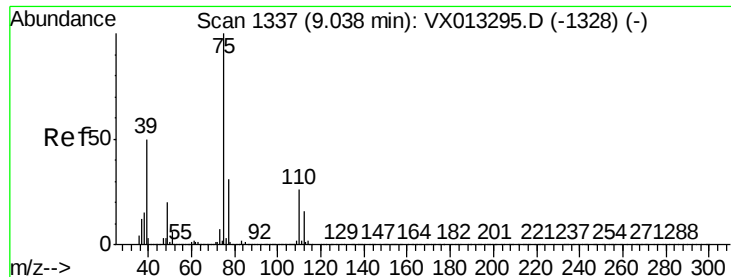
Tgt Ion: 92 Resp: 1002423

Ion Ratio Lower Upper

92 100

91 169.0 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 56.007 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 597827

Ion Ratio Lower Upper

75 100

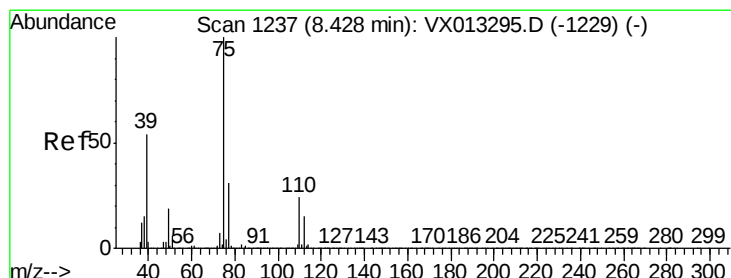
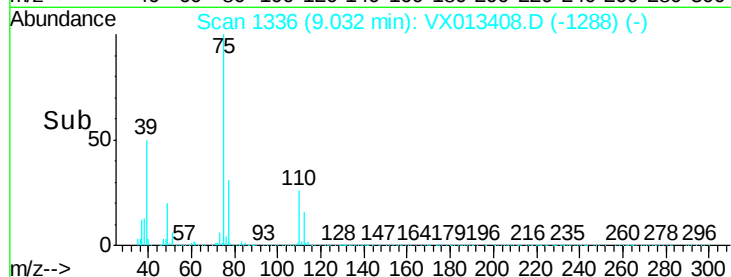
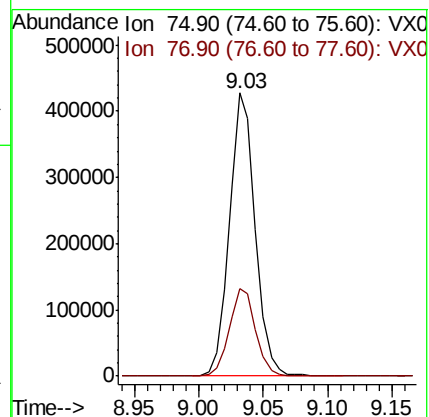
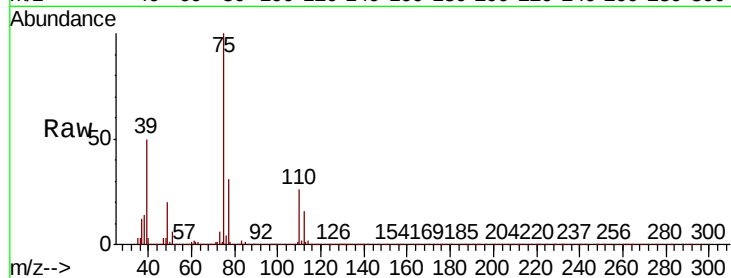
77 30.8 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#54

cis-1,3-Dichloropropene

Concen: 55.462 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

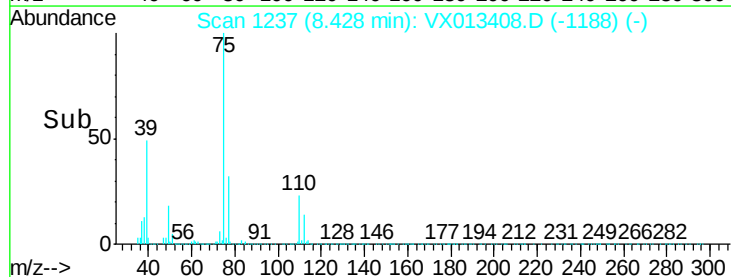
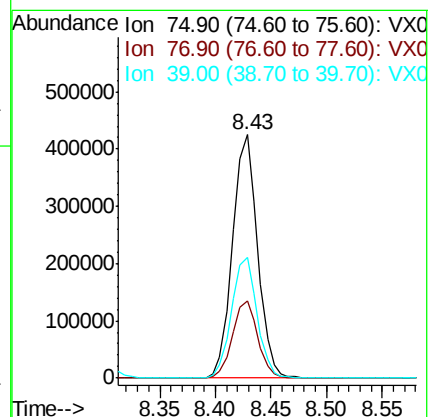
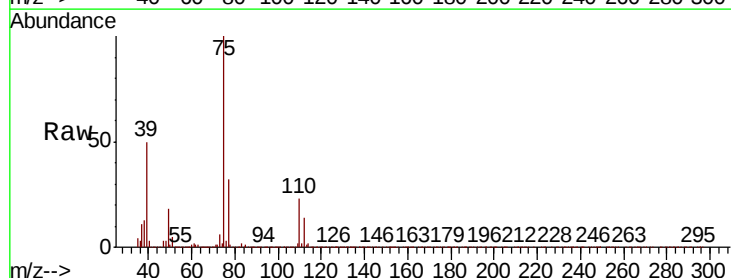
Tgt Ion: 75 Resp: 662223

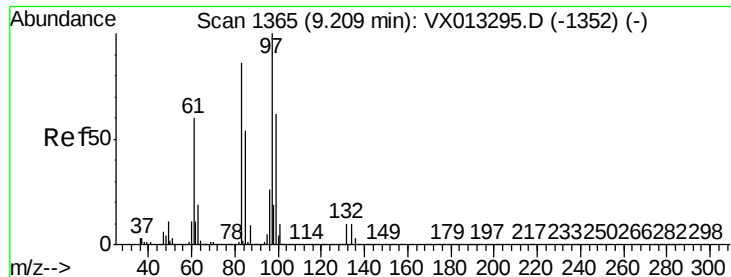
Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1

39 49.4 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 53.671 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

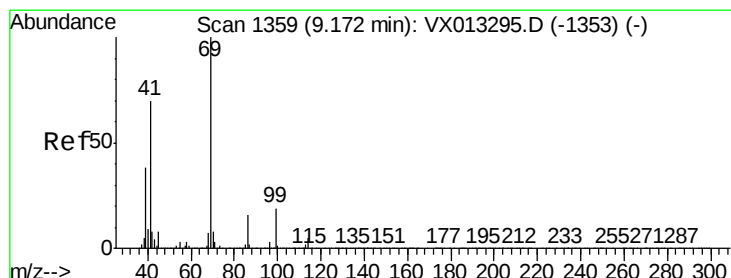
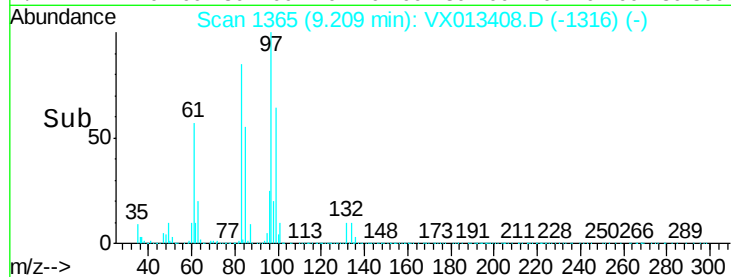
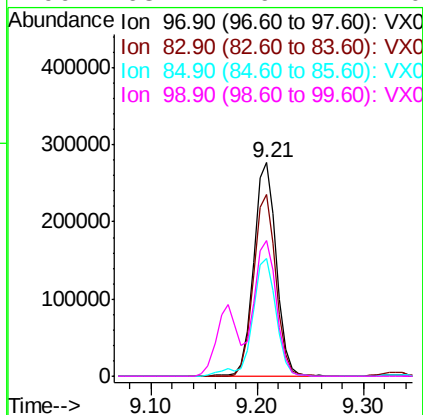
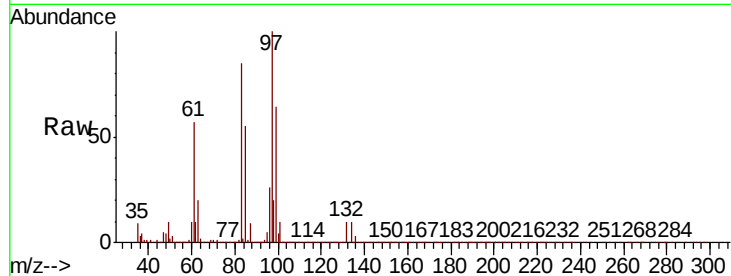
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	410271
Ion Ratio	Lower	Upper	
97	100		
83	84.8	68.6	103.0
85	55.2	43.1	64.7
99	63.7	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#56

Ethyl methacrylate

Concen: 51.180 ug/l

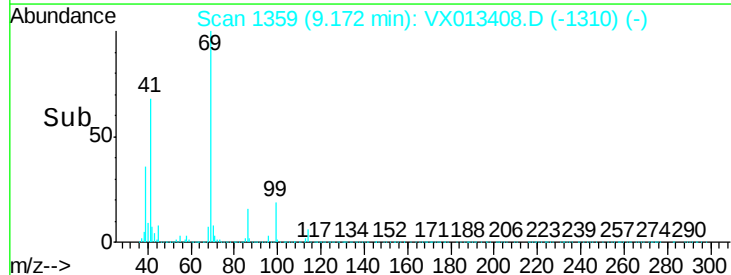
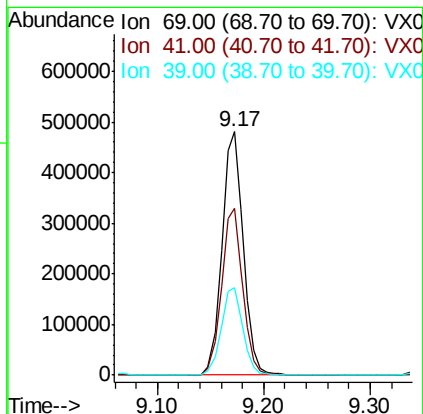
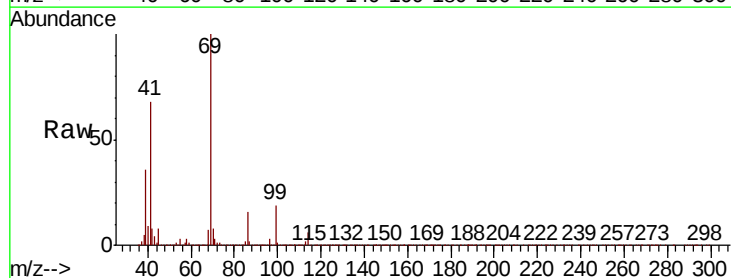
RT: 9.17 min Scan# 1359

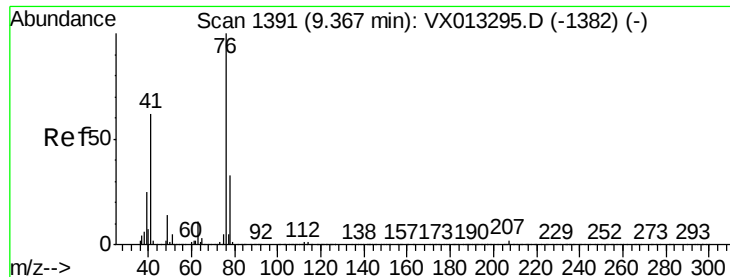
Delta R.T. 0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	69	Resp:	668404
Ion Ratio	Lower	Upper	
69	100		
41	68.2	56.2	84.2
39	36.5	31.1	46.7





#57

1,3-Dichloropropane

Concen: 53.171 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 689967

Ion Ratio Lower Upper

76 100

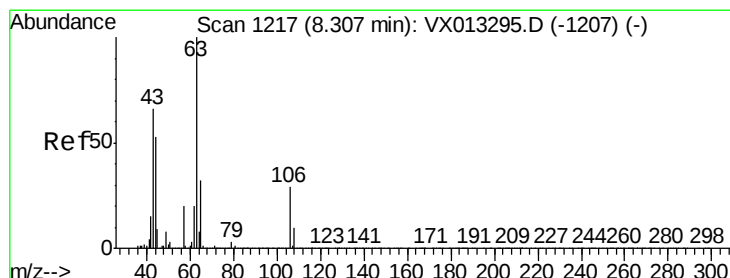
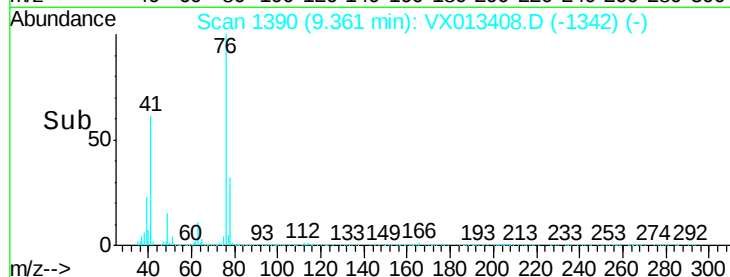
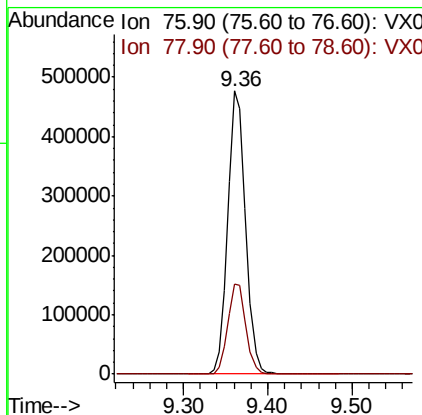
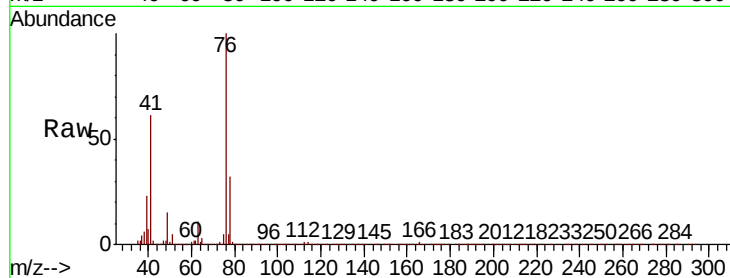
78 32.1 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#58

2-Chloroethyl Vinyl ether

Concen: 282.017 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013408.D

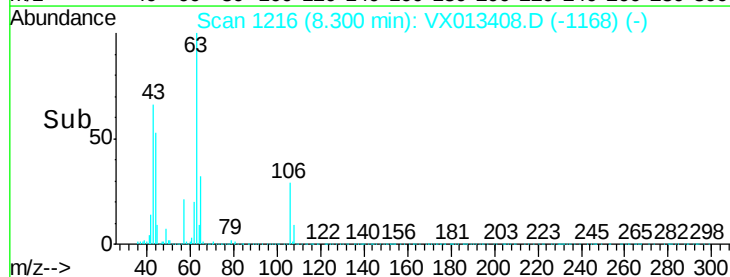
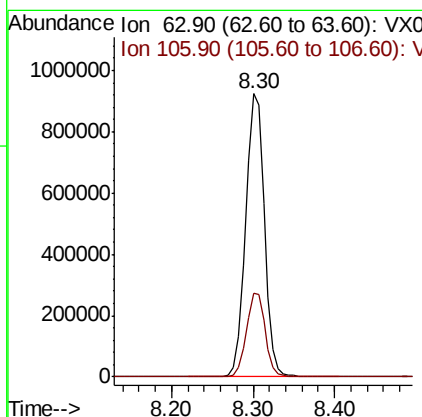
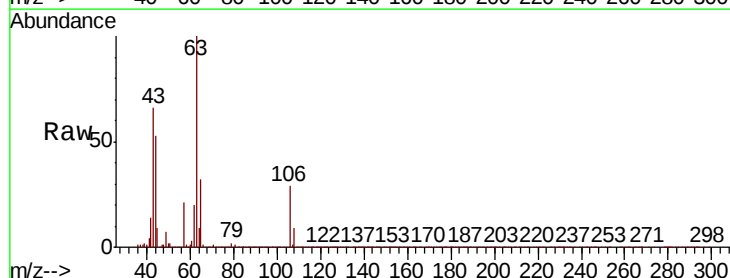
Acq: 13 Nov 2019 16:13

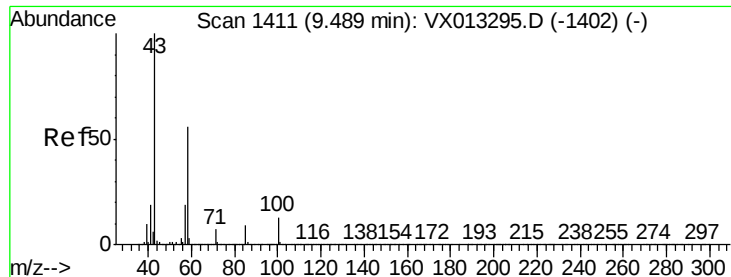
Tgt Ion: 63 Resp: 1474023

Ion Ratio Lower Upper

63 100

106 29.7 23.4 35.2





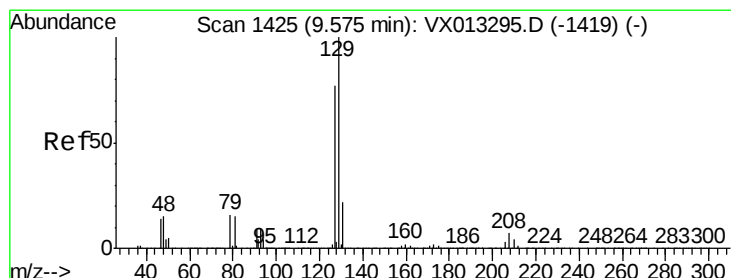
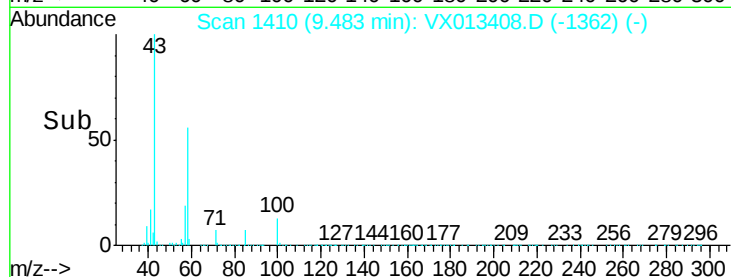
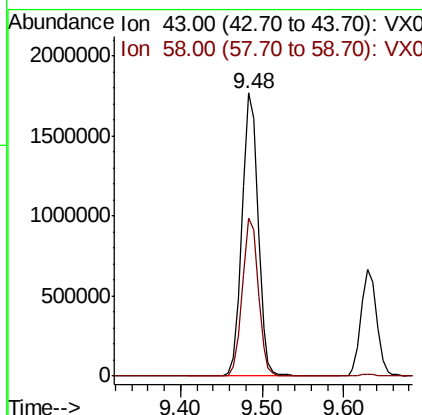
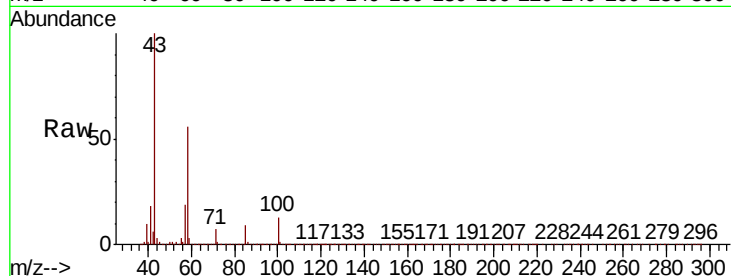
#59
2-Hexanone
Concen: 255.776 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2383597
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.8

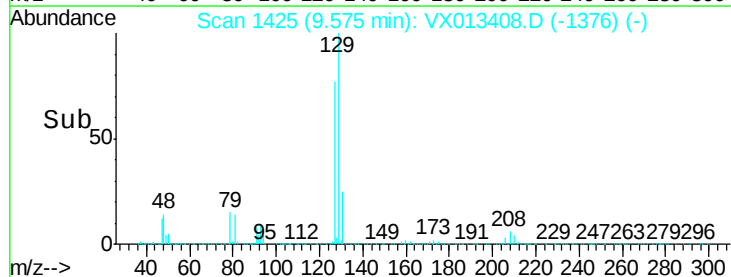
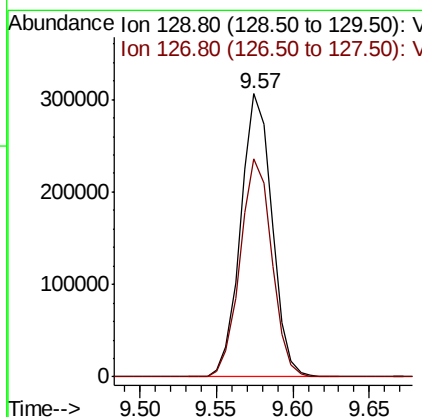
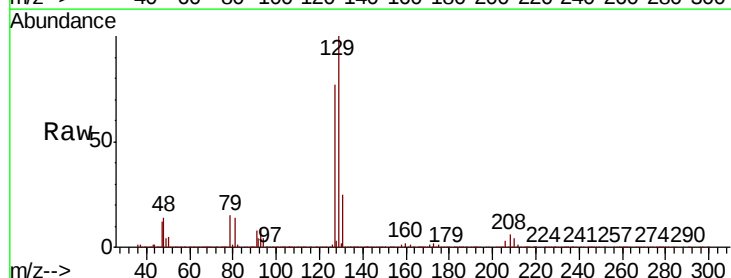
Manual Integrations
APPROVED

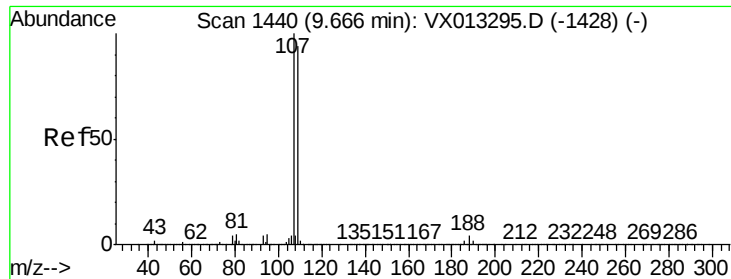
MMDadoda
11/14/2019 9:37:22 AM



#60
Dibromochloromethane
Concen: 55.549 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion: 129 Resp: 434280
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.914 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 429513

Ion Ratio Lower Upper

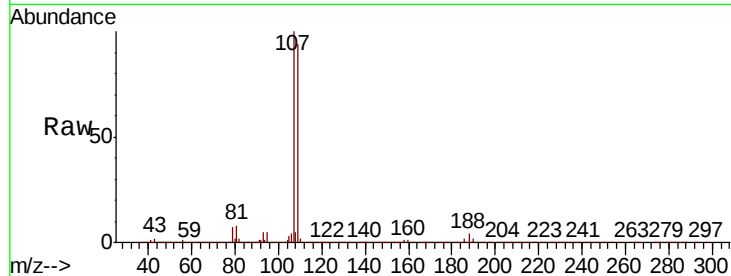
107 100

109 95.0 75.1 112.7

Manual Integrations
APPROVED

MMDadoda

11/14/2019 9:37:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

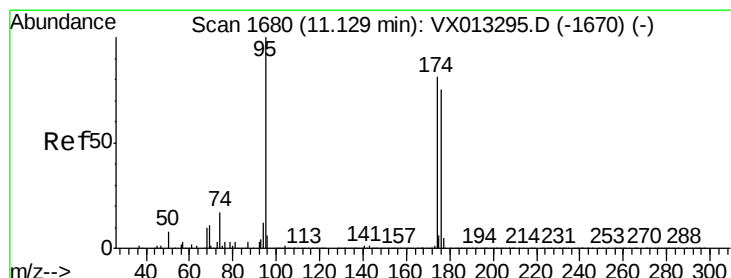
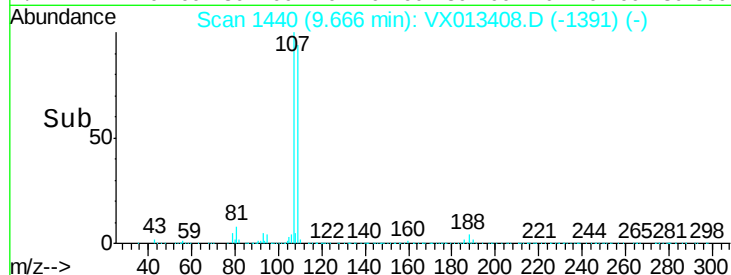
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.862 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

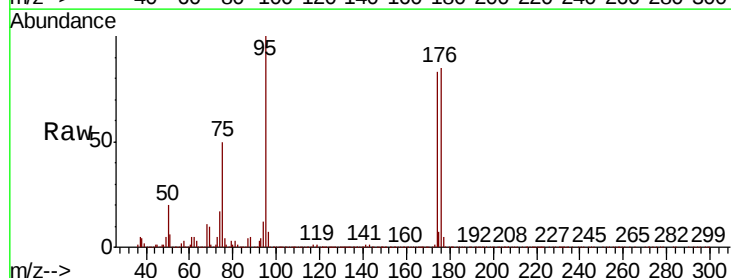
Tgt Ion: 95 Resp: 445296

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.8

176 88.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

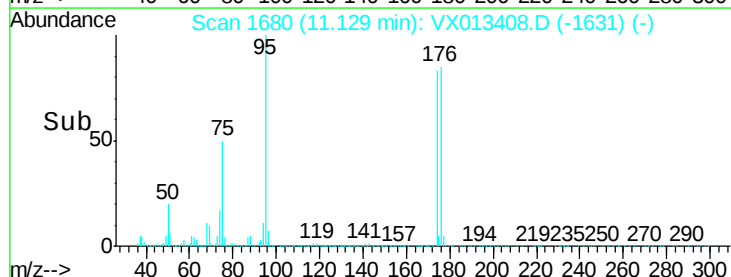
300000

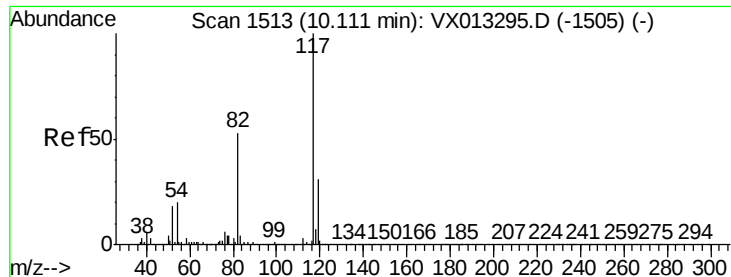
200000

100000

0

Time-->





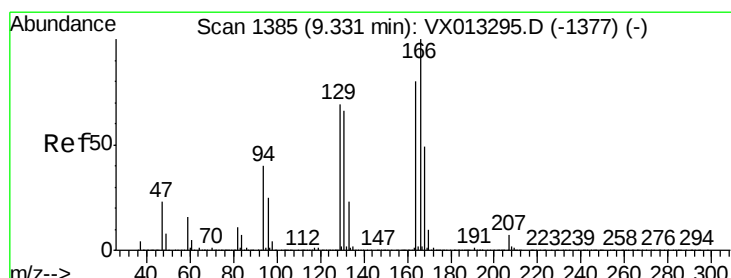
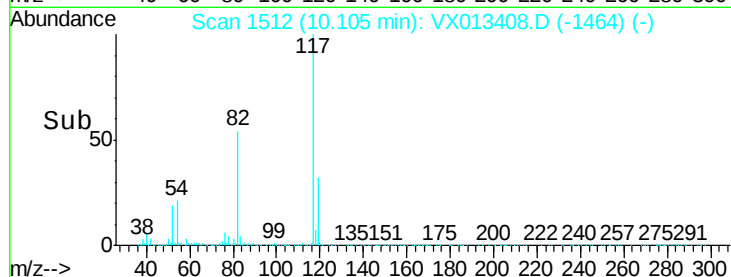
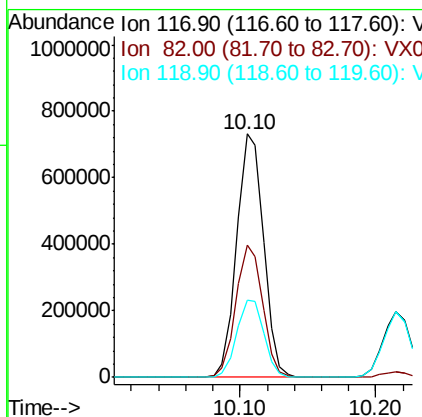
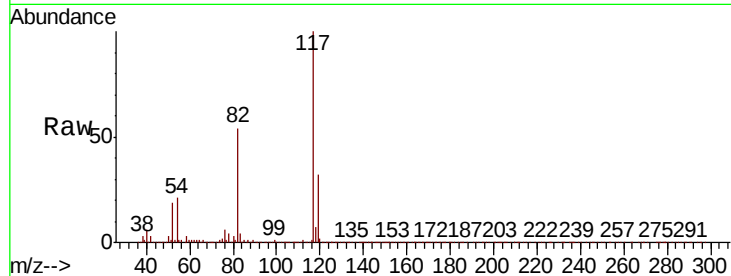
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	64.0
119	31.8	24.8	37.2

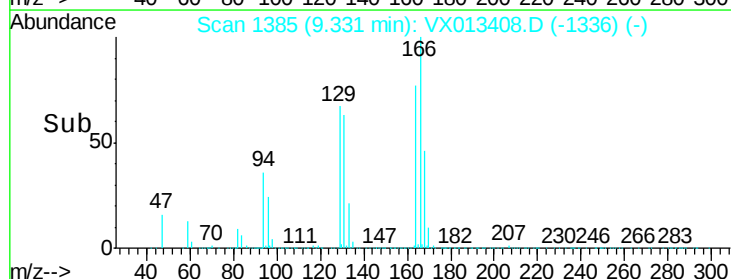
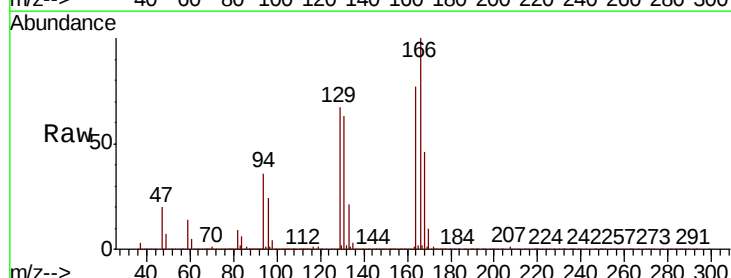
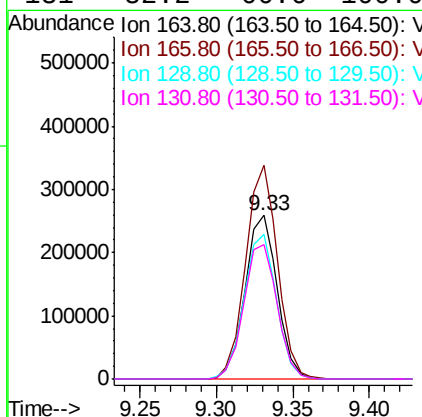
Manual Integrations
APPROVED

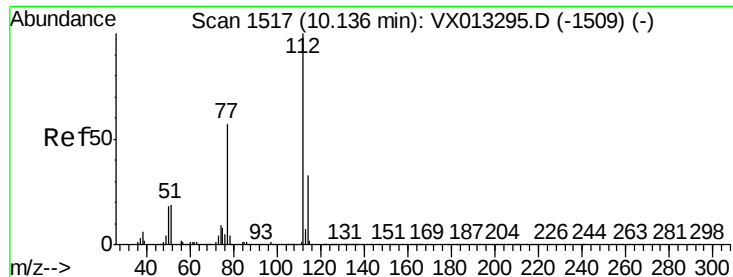
MMDadoda
11/14/2019 9:37:22 AM



#64
Tetrachloroethene
Concen: 52.557 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	100.4	150.6
129	87.9	69.4	104.2
131	82.2	66.6	100.0





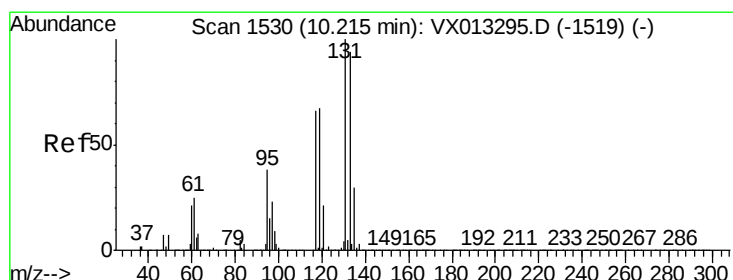
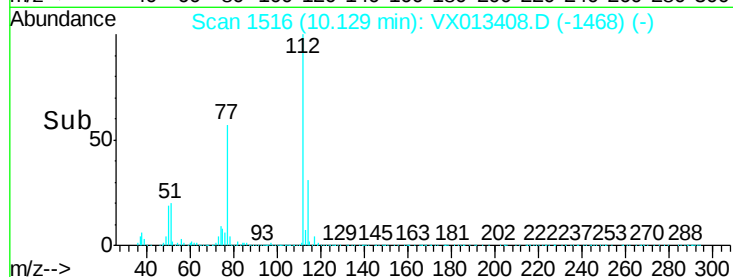
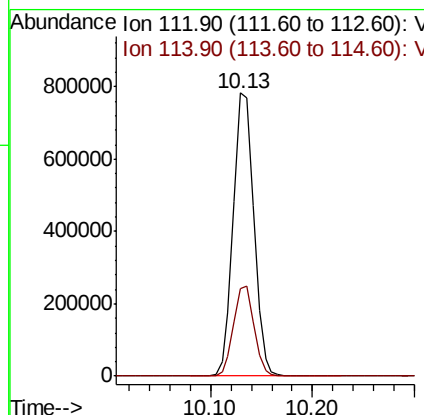
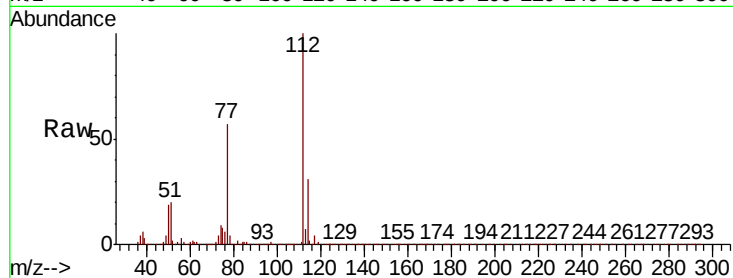
#65
Chlorobenzene
Concen: 53.473 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1089123
Ion Ratio Lower Upper
112 100
114 31.1 26.4 39.6

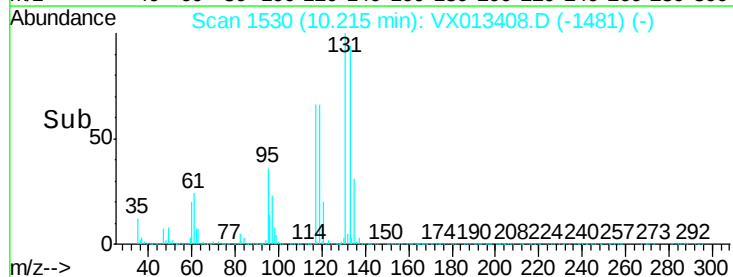
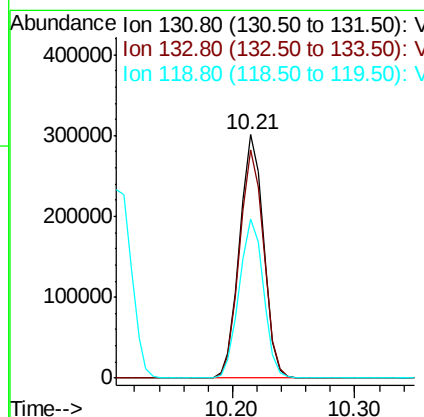
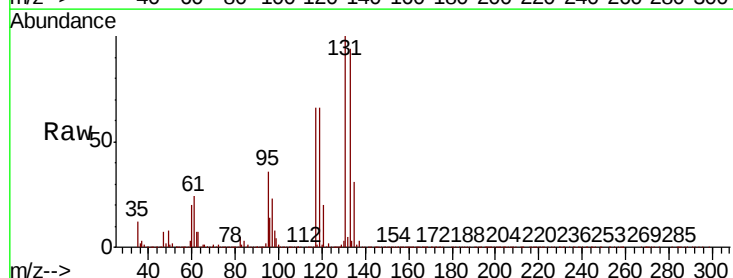
Manual Integrations
APPROVED

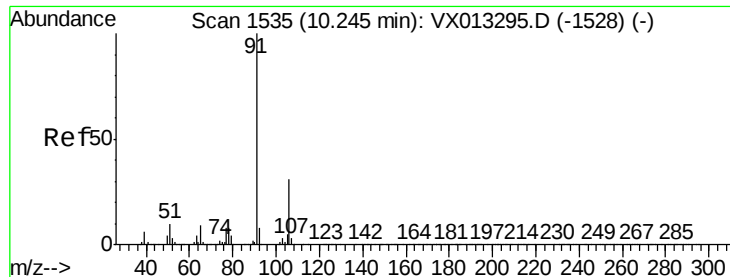
MMDadoda
11/14/2019 9:37:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.422 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion:131 Resp: 406995
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 65.9 33.0 99.0





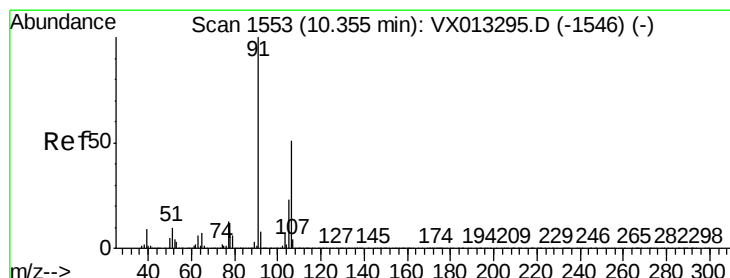
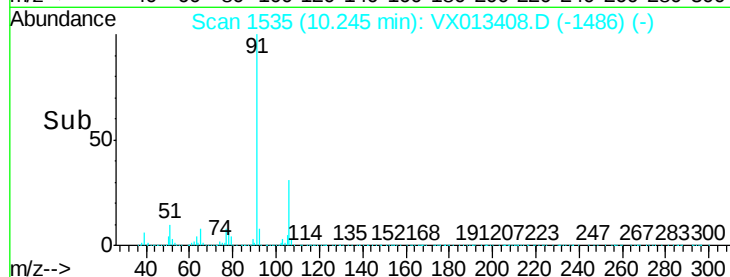
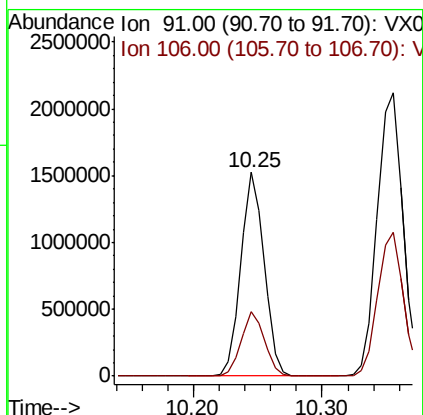
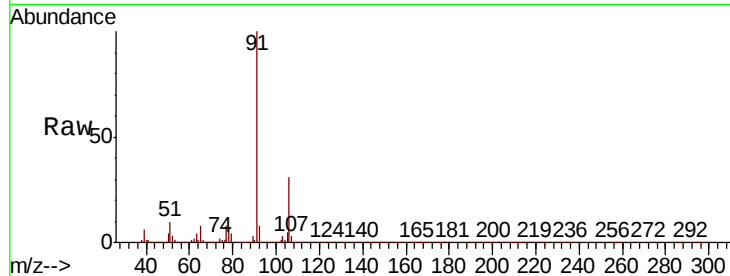
#67
Ethyl Benzene
Concen: 54.363 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1911010
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

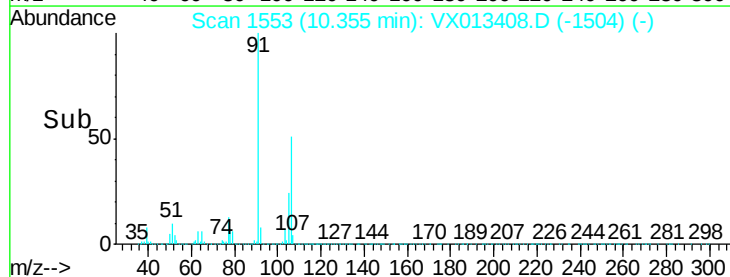
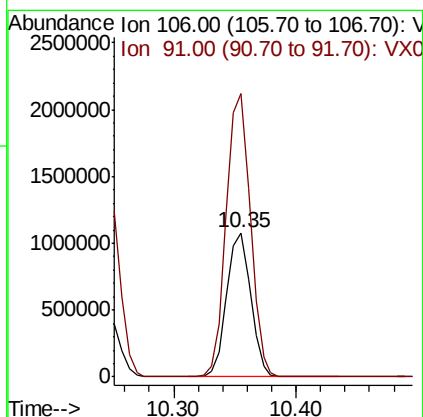
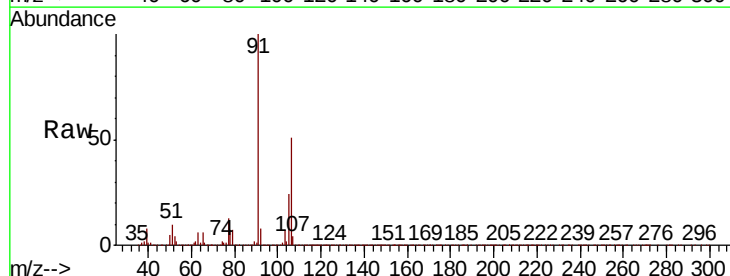
Manual Integrations
APPROVED

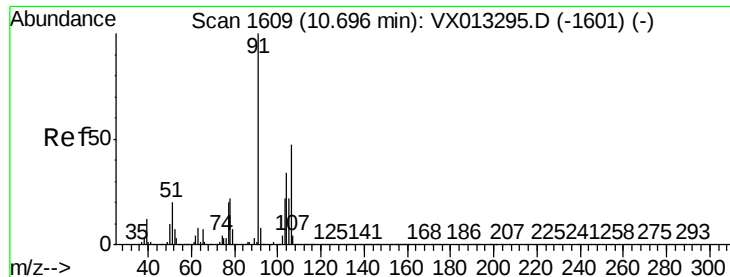
MMDadoda
11/14/2019 9:37:22 AM



#68
m/p-Xylenes
Concen: 109.814 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion: 106 Resp: 1459904
Ion Ratio Lower Upper
106 100
91 199.0 159.3 238.9





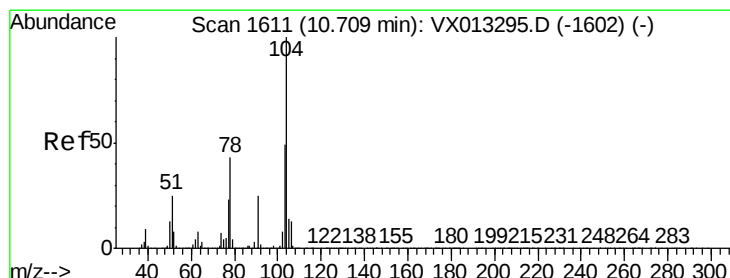
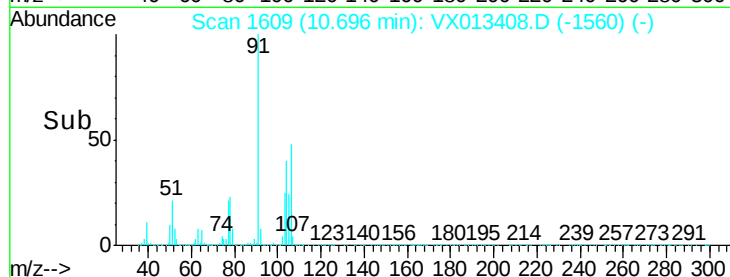
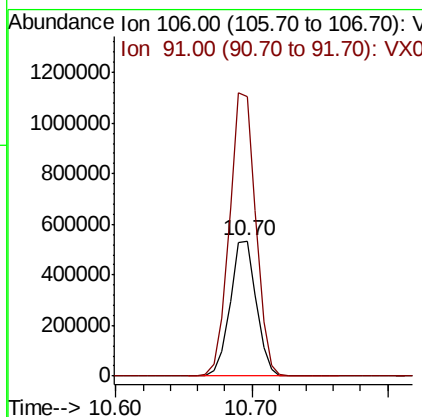
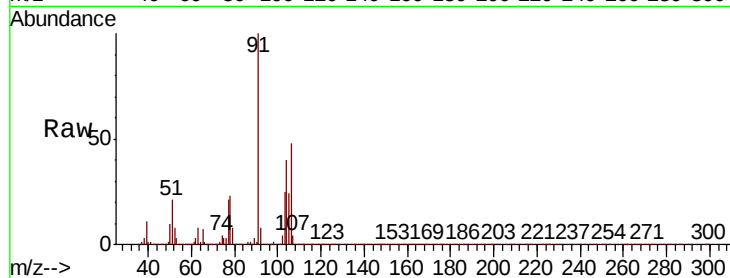
#69
o-Xylene
Concen: 54.684 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 711750
Ion Ratio Lower Upper
106 100
91 210.4 105.7 317.0

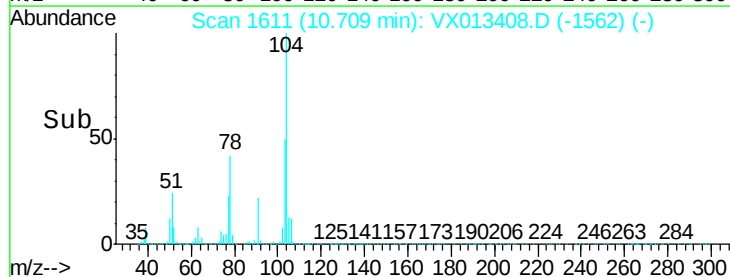
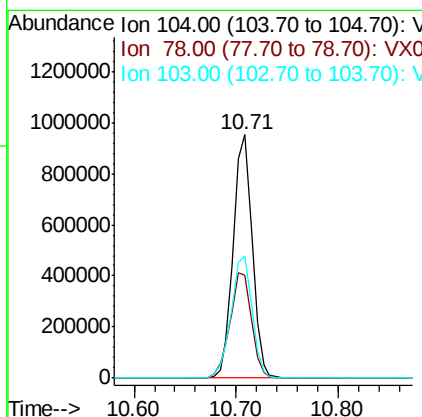
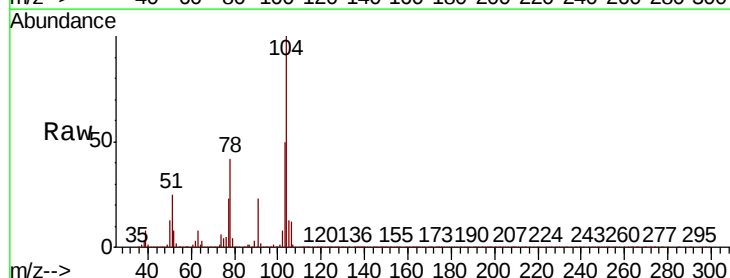
Manual Integrations
APPROVED

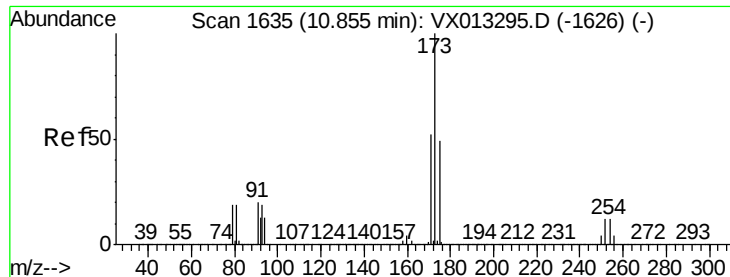
MMDadoda
11/14/2019 9:37:22 AM



#70
Styrene
Concen: 55.957 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion:104 Resp: 1217461
Ion Ratio Lower Upper
104 100
78 48.9 40.0 60.0
103 55.5 44.1 66.1





#71

Bromoform

Concen: 49.840 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 345519

Ion Ratio Lower Upper

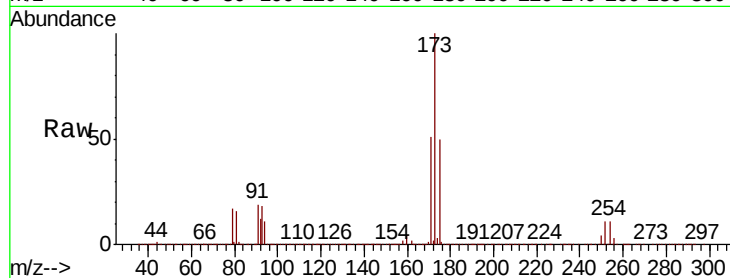
173 100

175 49.1 24.8 74.4

254 0.2 0.2 0.2

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



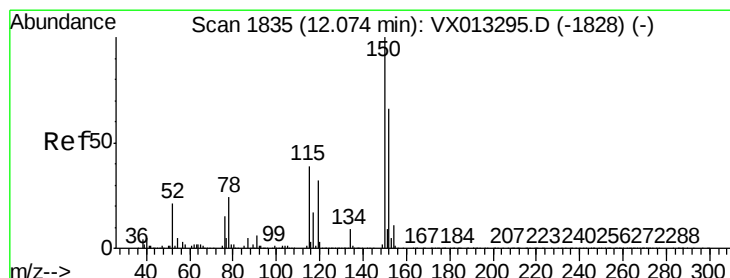
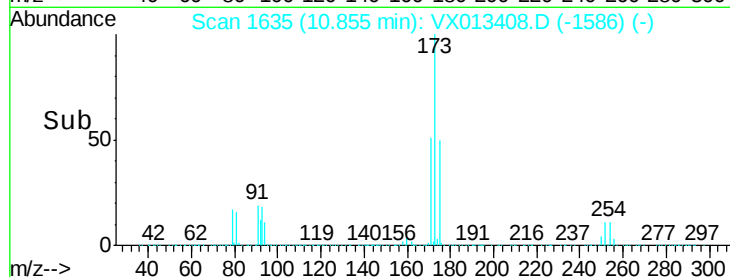
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

10.85

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

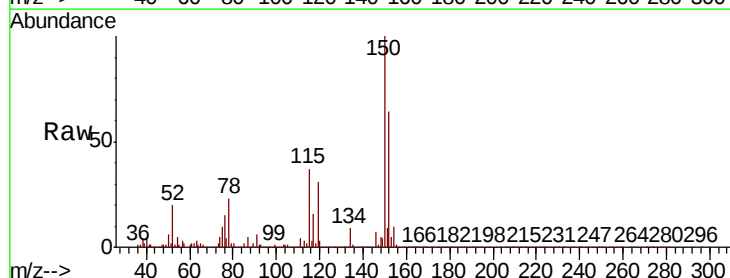
Tgt Ion:152 Resp: 515440

Ion Ratio Lower Upper

152 100

115 80.0 39.5 118.3

150 172.3 0.0 344.4



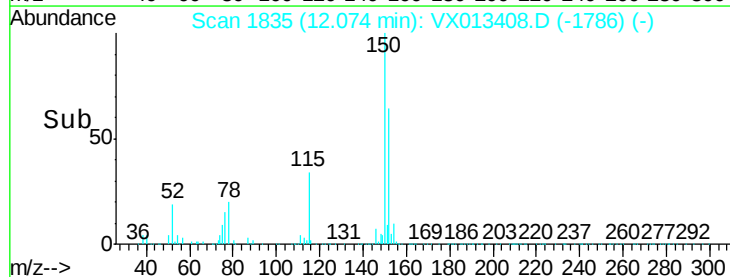
Abundance Ion 151.90 (151.60 to 152.60): V

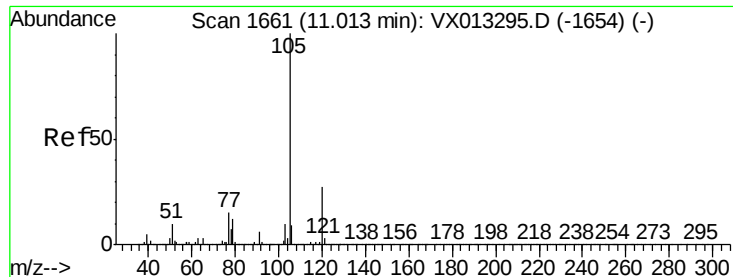
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.07

Time-->





#73

Isopropylbenzene

Concen: 54.968 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1878489

Ion Ratio Lower Upper

105 100

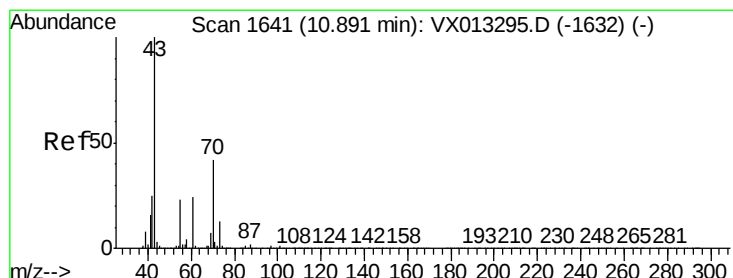
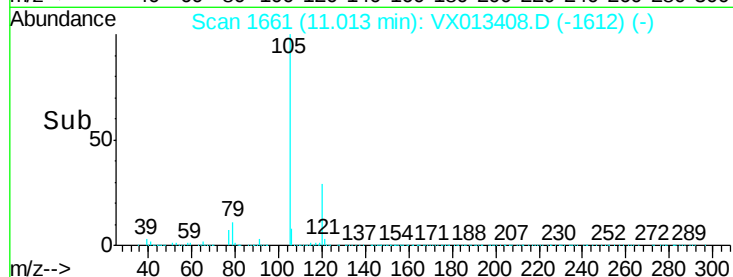
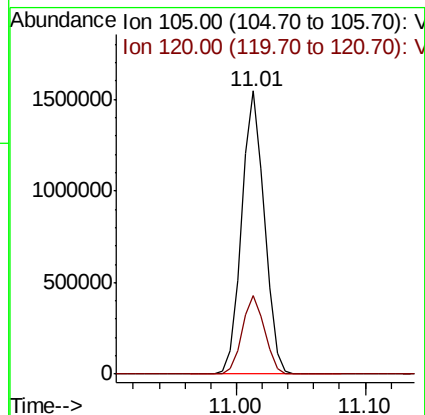
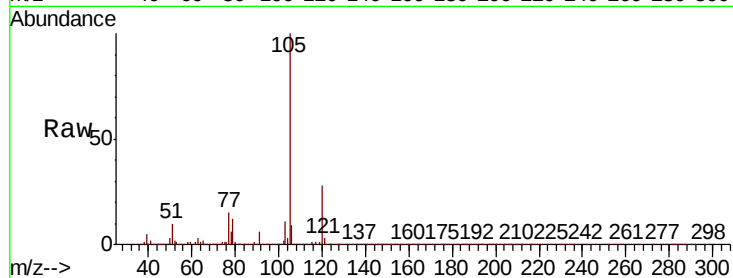
120 27.5

13.5 40.5

Manual Integrations
APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#74

N-ethyl acetate

Concen: 55.891 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion: 43 Resp: 885724

Ion Ratio Lower Upper

43 100

70 43.5

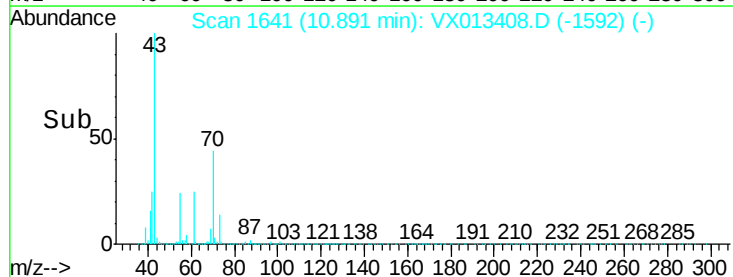
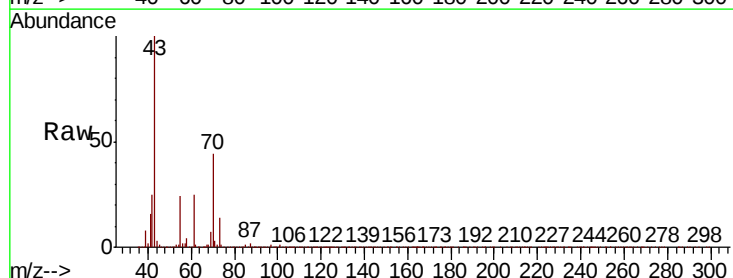
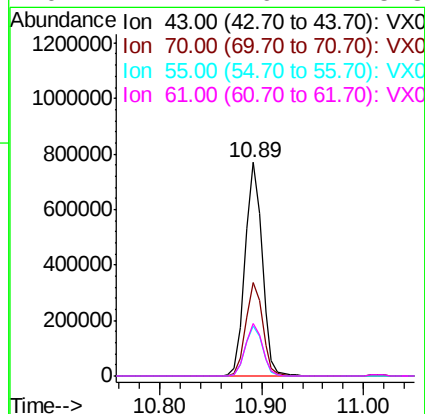
34.1 51.1

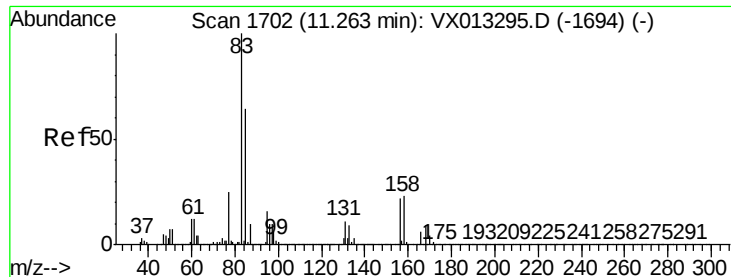
55 23.9

18.9 28.3

61 24.7

19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.536 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

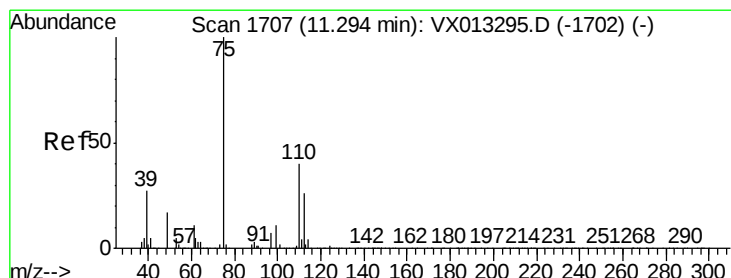
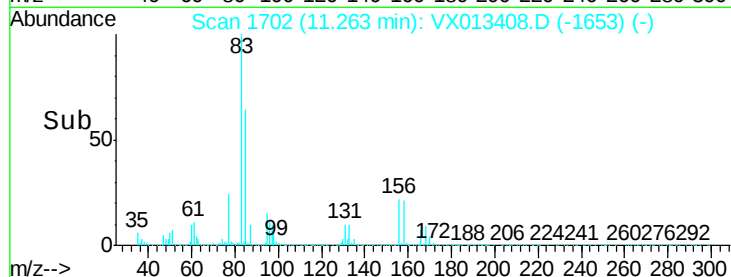
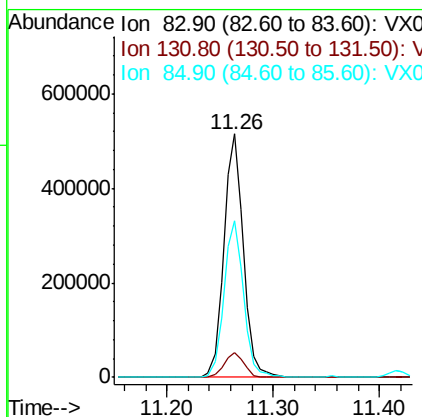
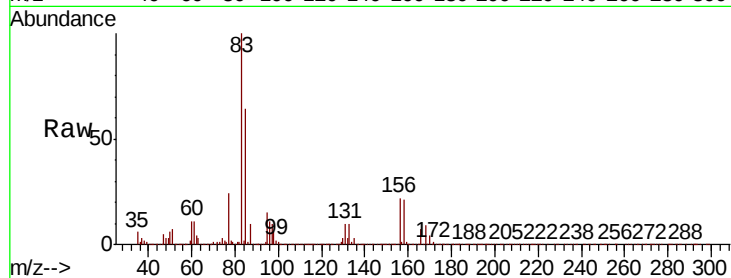
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	654981
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	65.0	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#76

1,2,3-Trichloropropane

Concen: 50.156 ug/l m

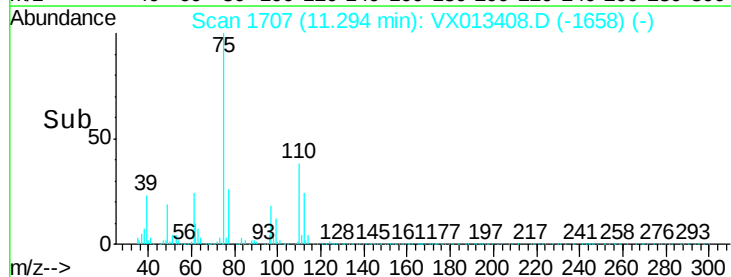
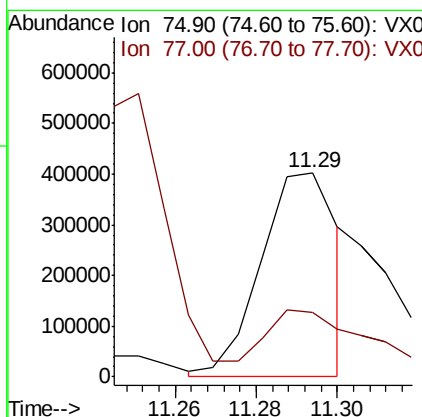
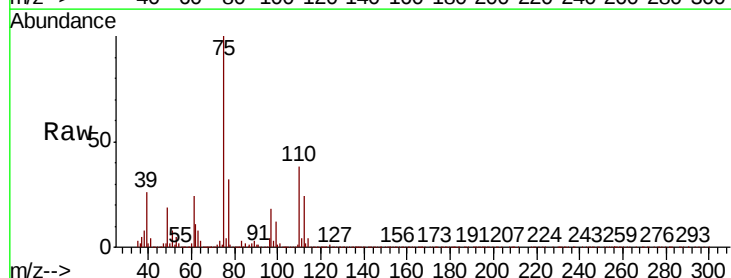
RT: 11.29 min Scan# 1707

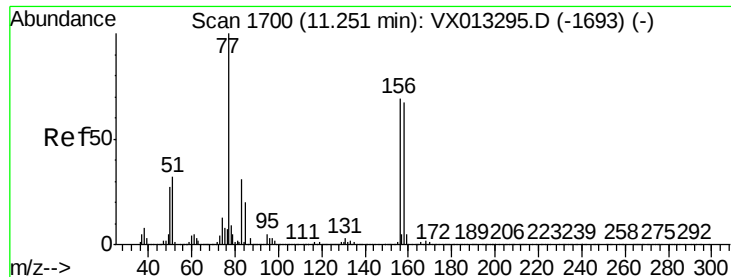
Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	75	Resp:	525097
Ion Ratio	Lower	Upper	
75	100		
77	44.3	22.3	66.8





#77

Bromobenzene

Concen: 54.361 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

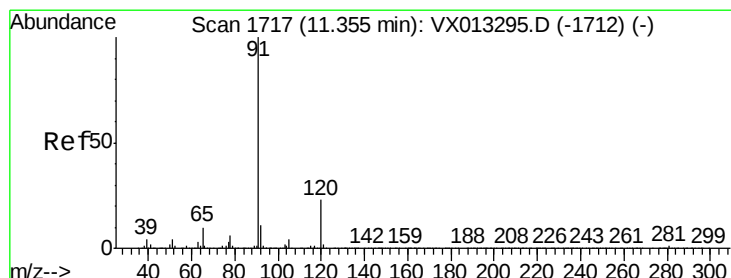
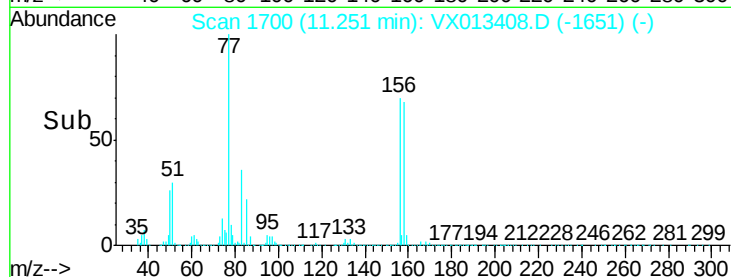
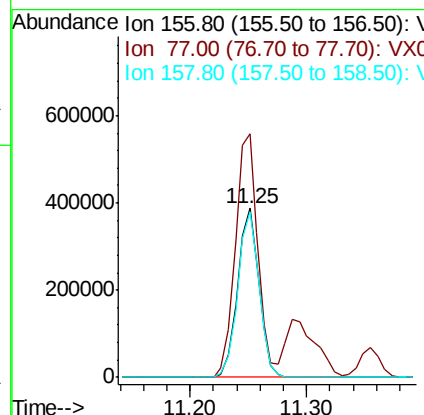
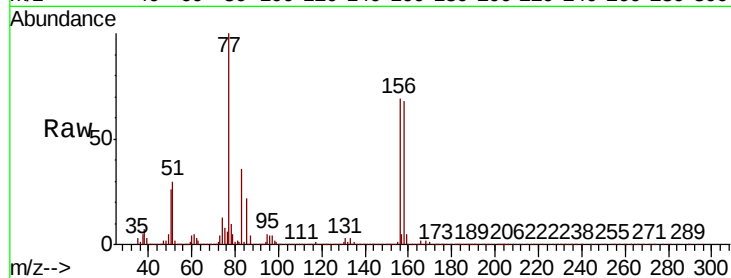
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	495254
Ion Ratio	Lower	Upper	
156	100		
77	151.6	75.8	227.4
158	97.9	47.6	142.8

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#78

n-propylbenzene

Concen: 57.493 ug/l

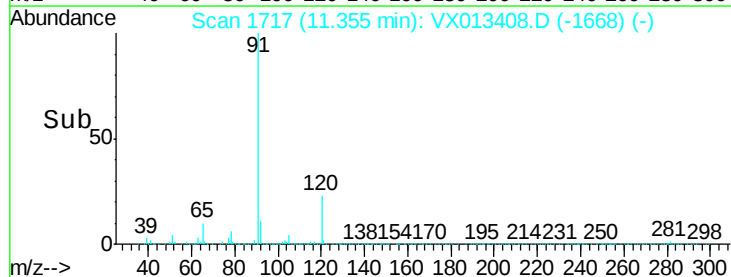
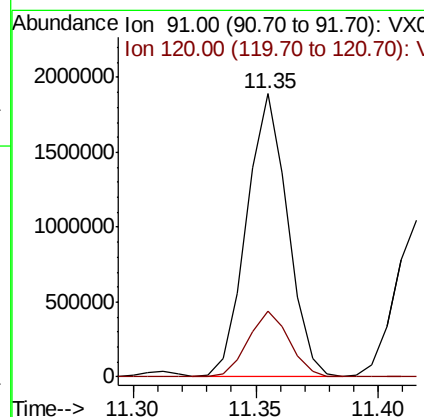
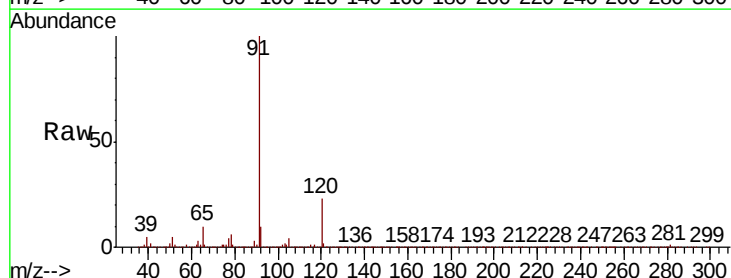
RT: 11.35 min Scan# 1717

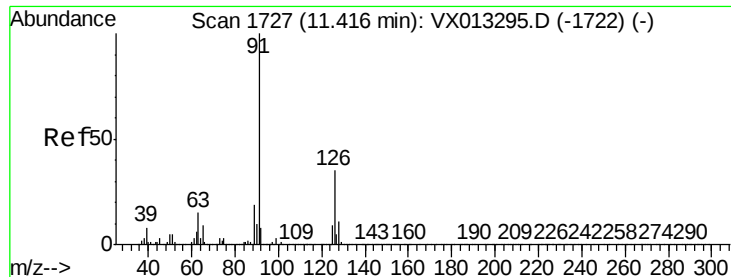
Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	91	Resp:	2188659
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.6	34.8





#79

2-Chlorotoluene

Concen: 55.180 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1265619

Ion Ratio Lower Upper

91 100

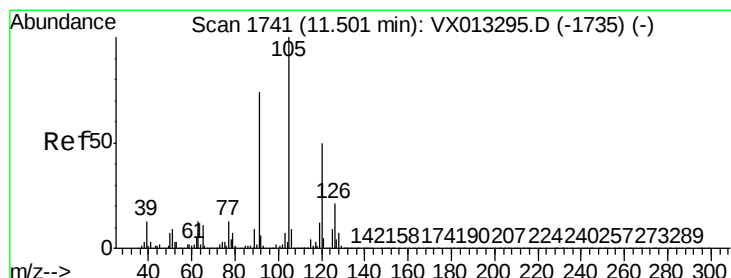
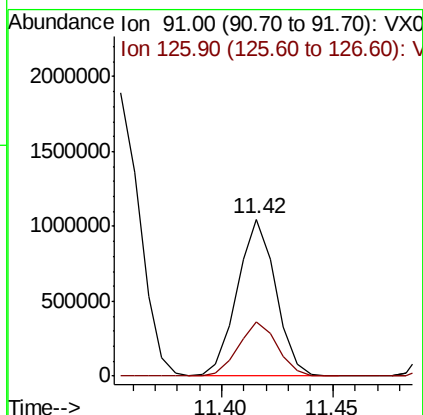
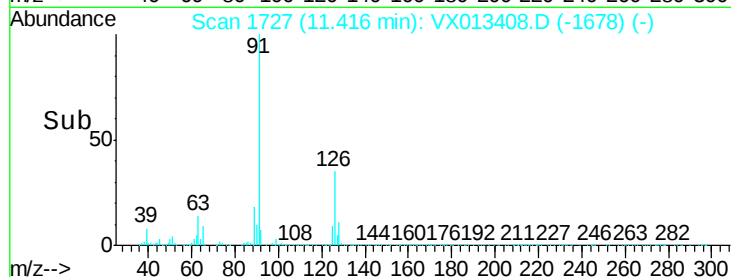
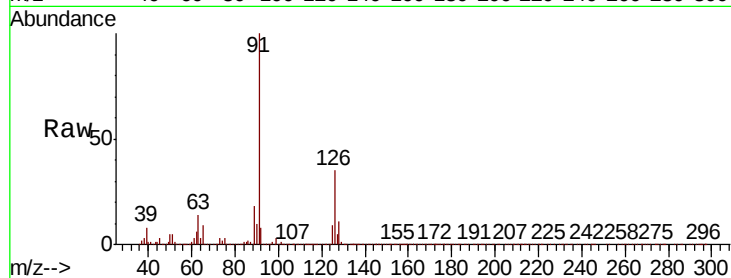
126 34.8 17.3 52.0

Manual Integrations

APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#80

1,3,5-Trimethylbenzene

Concen: 56.494 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013408.D

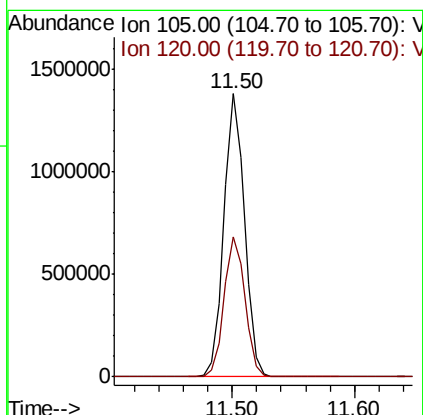
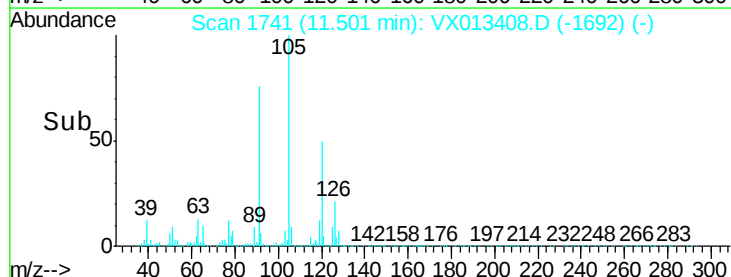
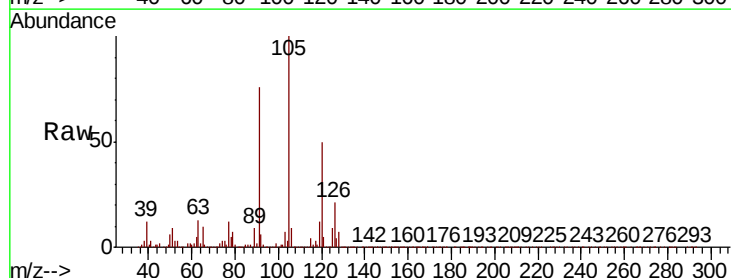
Acq: 13 Nov 2019 16:13

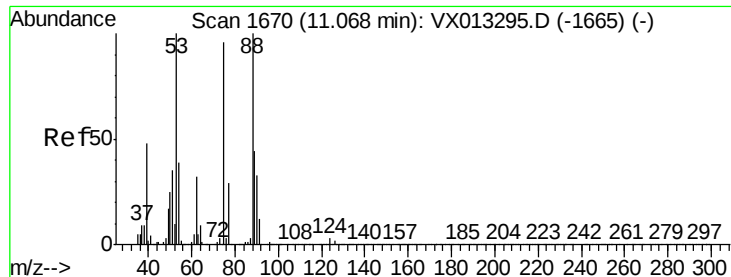
Tgt Ion: 105 Resp: 1608143

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.8





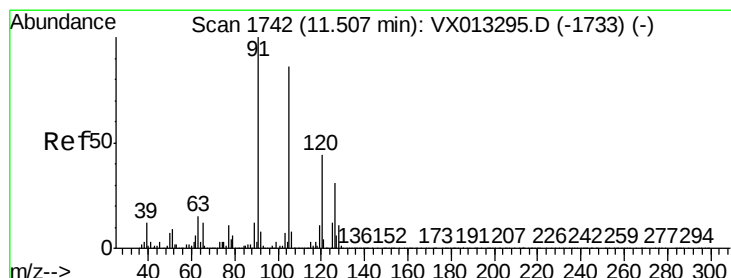
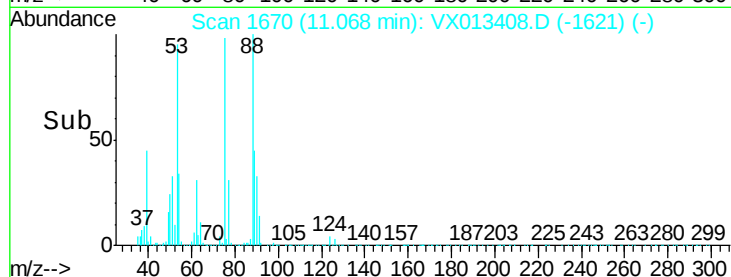
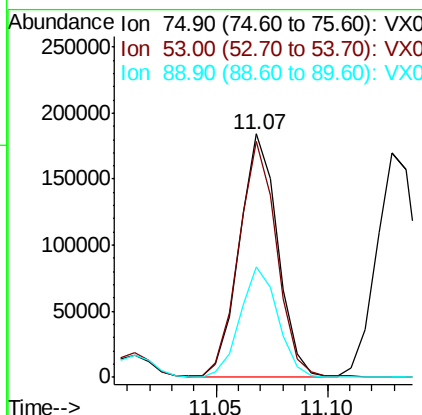
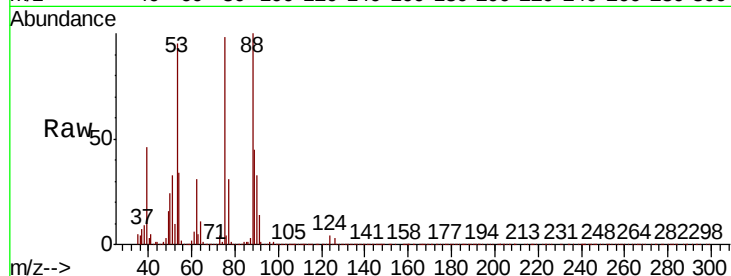
#81
trans-1,4-Dichloro-2-butene
Concen: 54.099 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	81.0	121.6
89	45.3	36.0	54.0

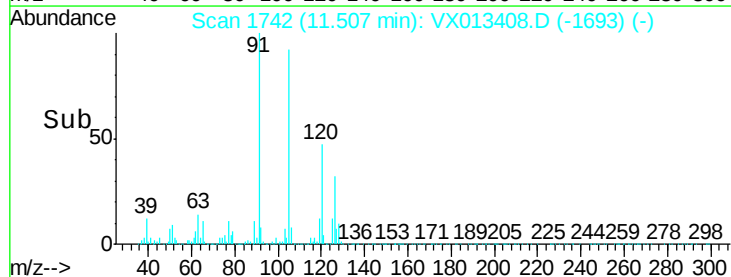
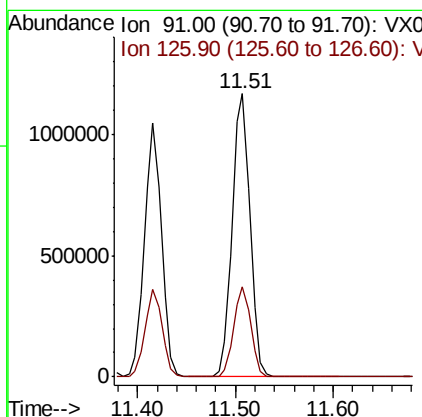
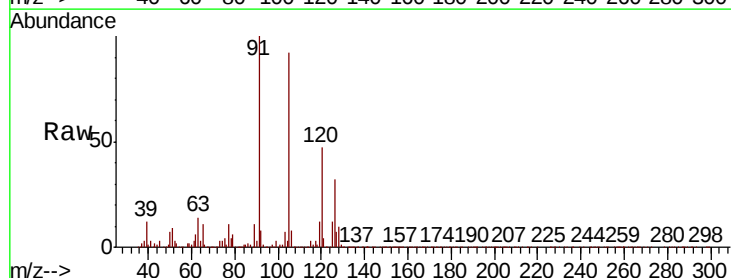
Manual Integrations
APPROVED

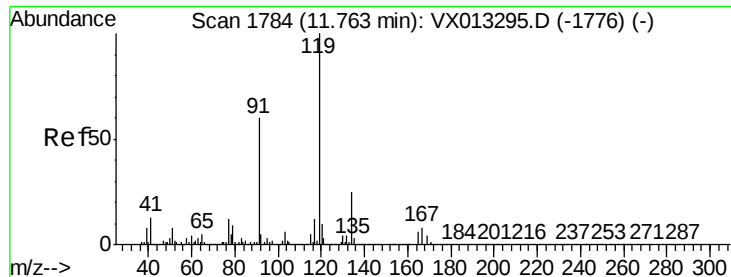
MMDadoda
11/14/2019 9:37:22 AM



#82
4-Chlorotoluene
Concen: 55.048 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.8





#83

tert-Butylbenzene

Concen: 57.002 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1633369

Ion Ratio Lower Upper

119 100

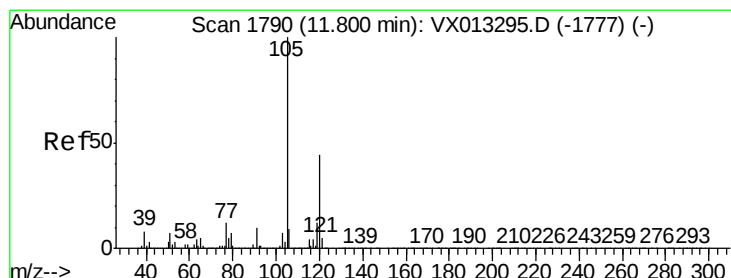
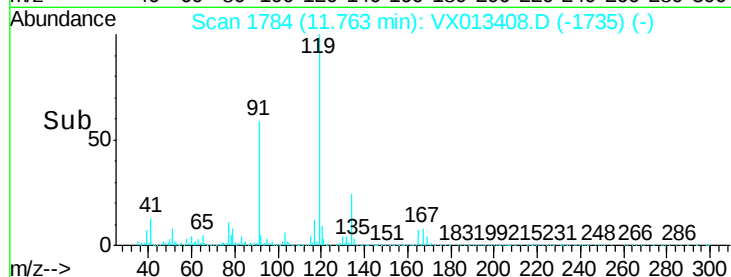
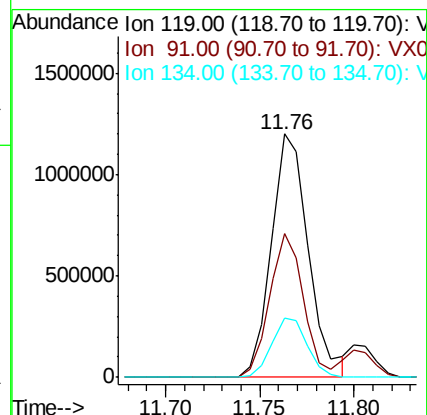
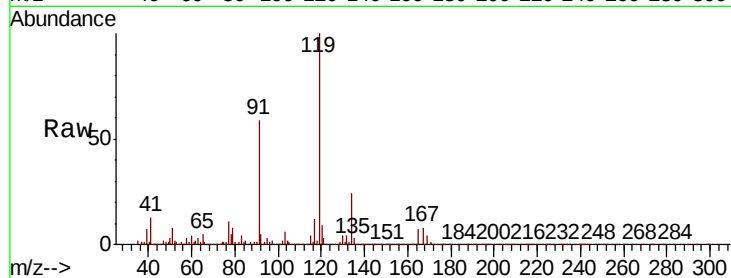
91 53.8 26.9 80.7

134 23.4 11.7 35.1

Manual Integrations
APPROVED

MMDadoda

11/14/2019 9:37:22 AM



#84

1,2,4-Trimethylbenzene

Concen: 56.662 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013408.D

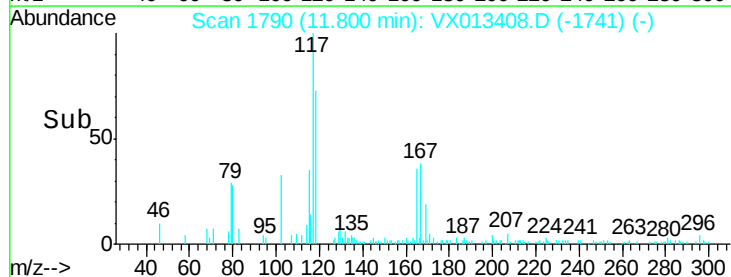
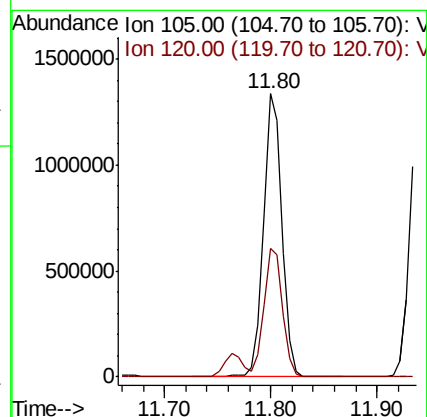
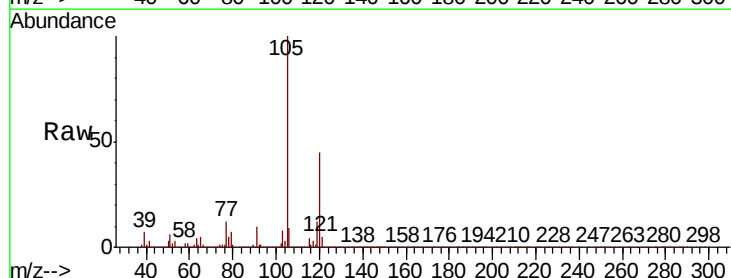
Acq: 13 Nov 2019 16:13

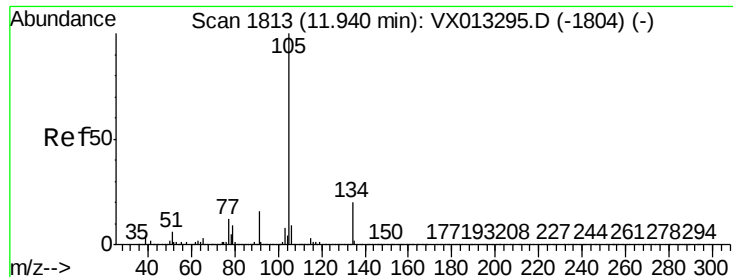
Tgt Ion:105 Resp: 1617983

Ion Ratio Lower Upper

105 100

120 45.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 57.116 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1880971

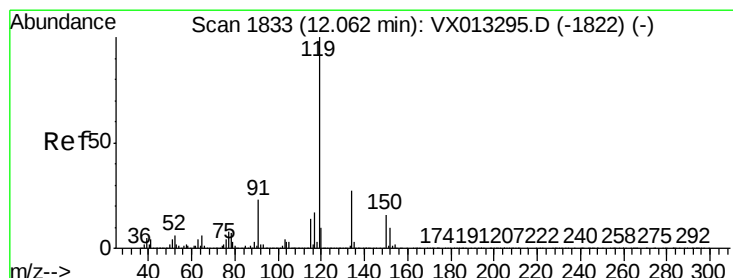
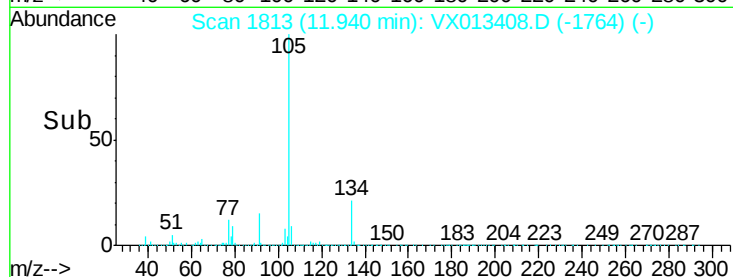
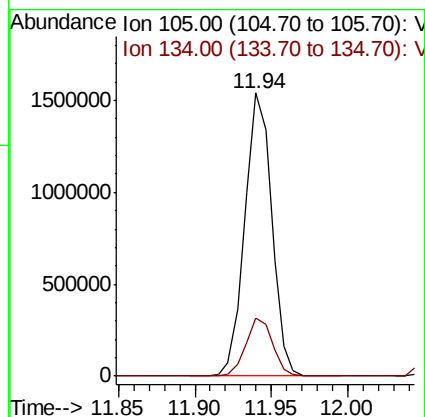
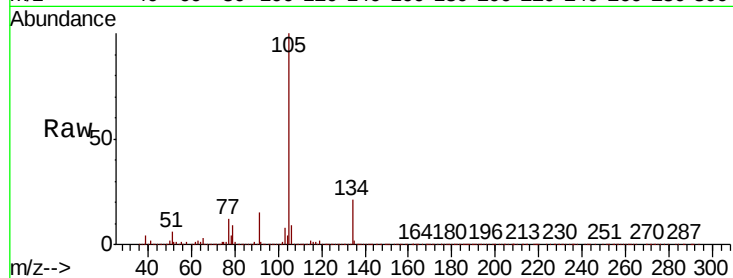
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#86

p-Isopropyltoluene

Concen: 57.183 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

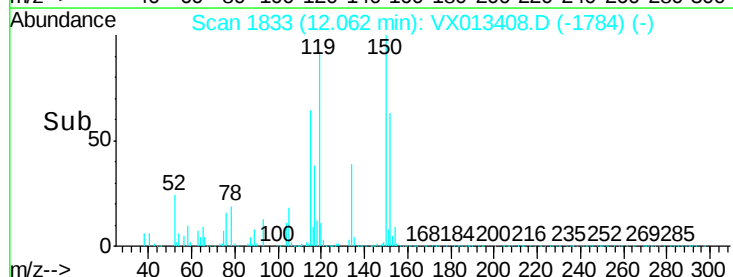
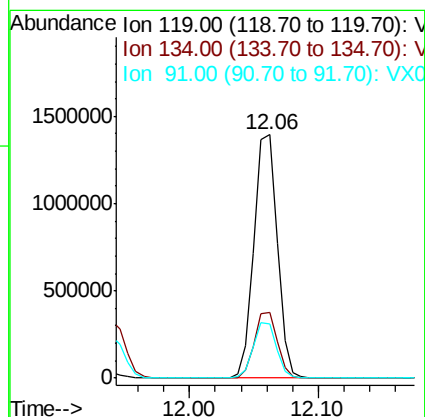
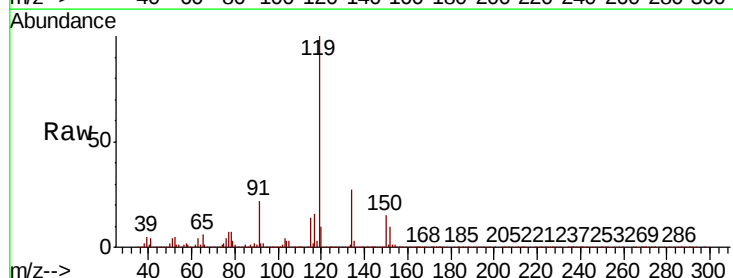
Tgt Ion:119 Resp: 1734073

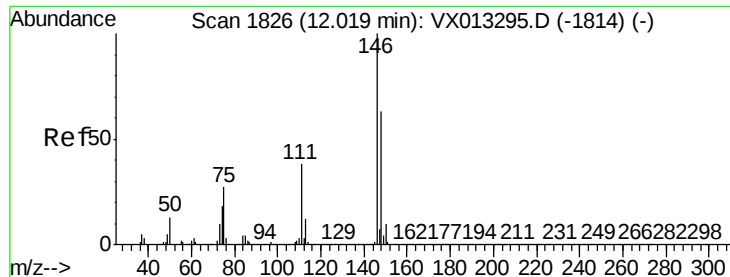
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.7 11.5 34.4





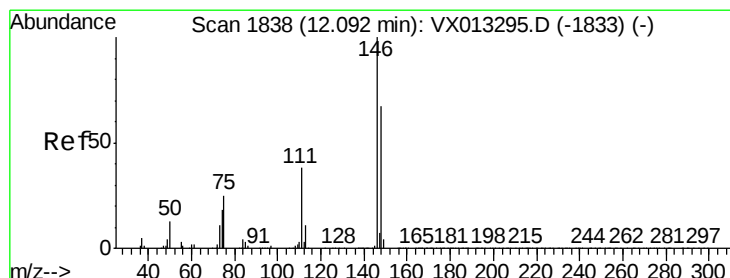
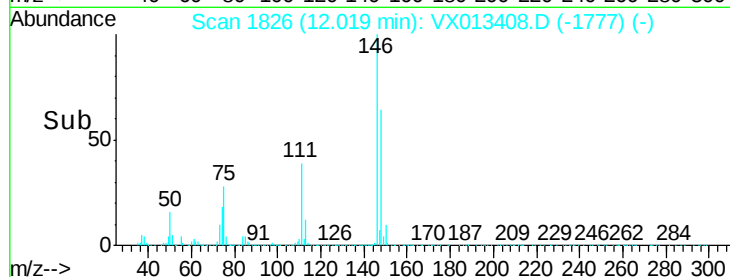
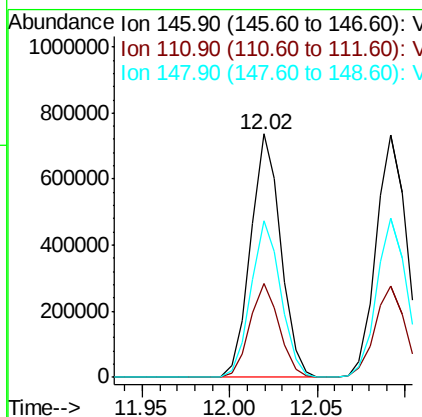
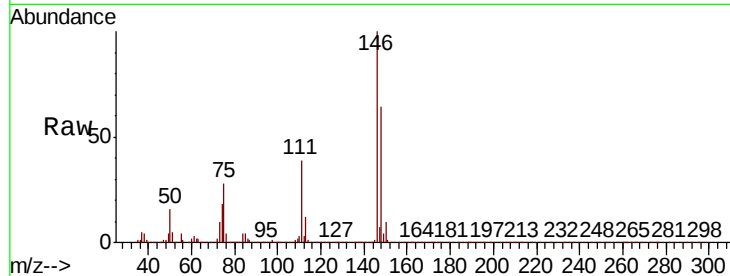
#87
 1,3-Dichlorobenzene
 Concen: 54.334 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013408.D
 Acq: 13 Nov 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.1	31.9	95.7

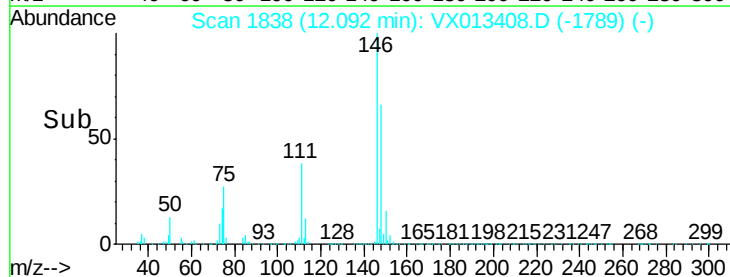
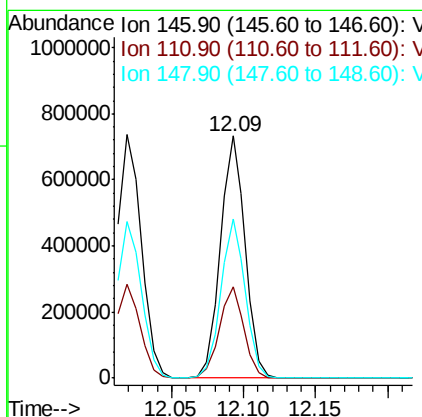
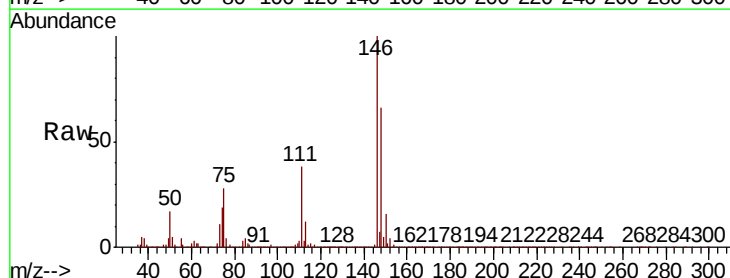
Manual Integrations
 APPROVED

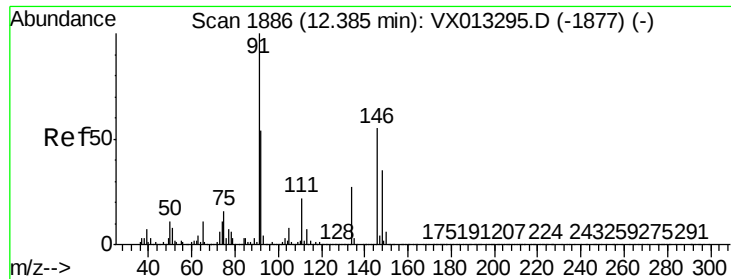
MMDadoda
 11/14/2019 9:37:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.358 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013408.D
 Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.7	32.4	97.0





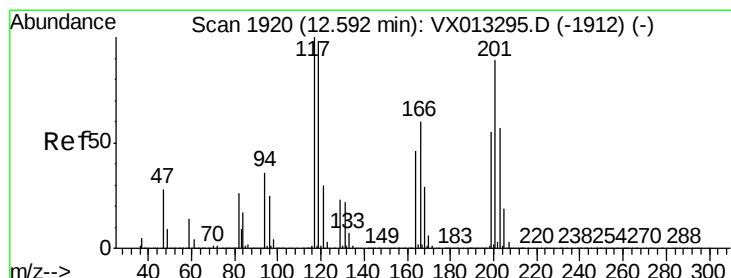
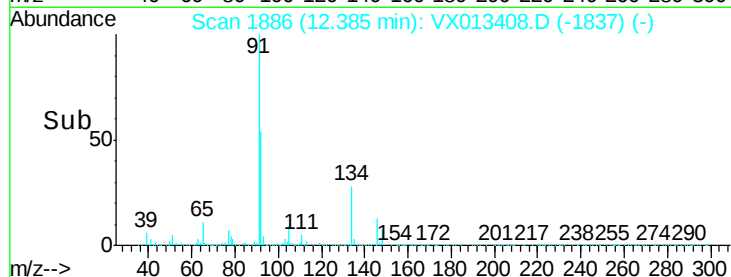
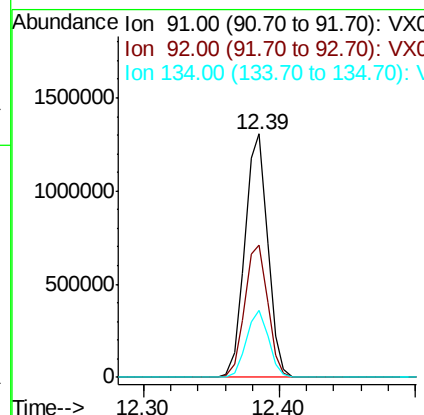
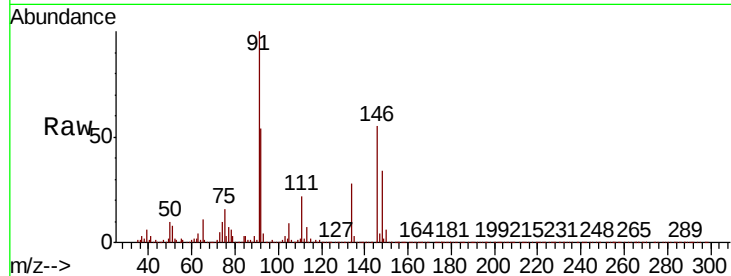
#89
n-Butylbenzene
Concen: 57.758 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.3	81.8
134	27.1	13.5	40.5

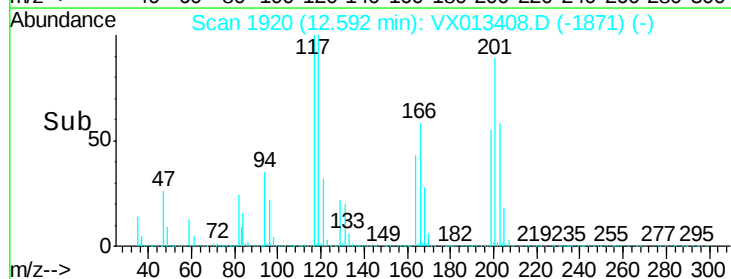
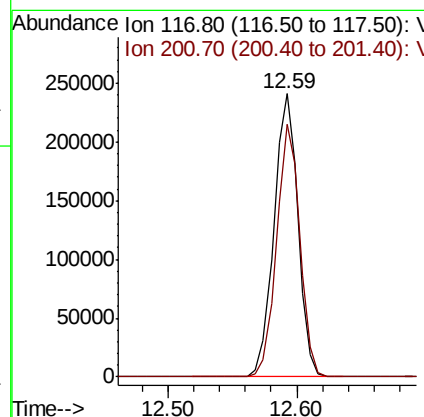
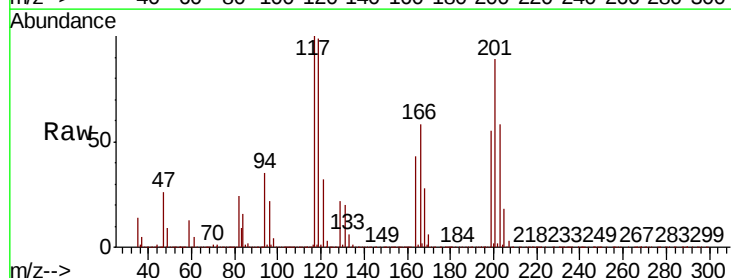
Manual Integrations
APPROVED

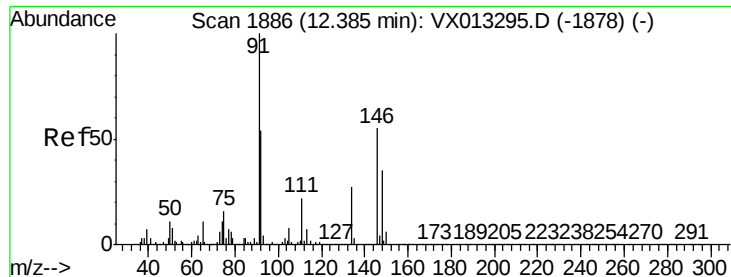
MMDadoda
11/14/2019 9:37:22 AM



#90
Hexachloroethane
Concen: 57.721 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	43.9	131.7





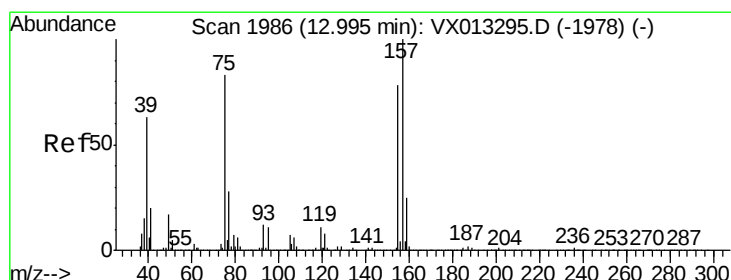
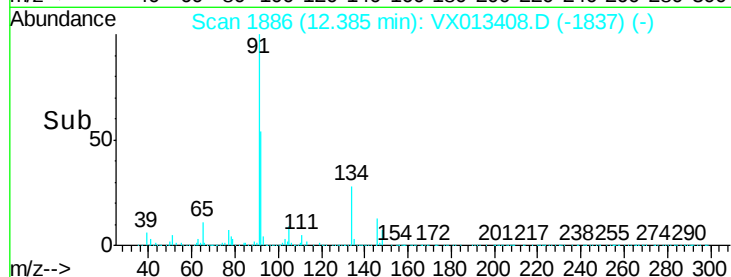
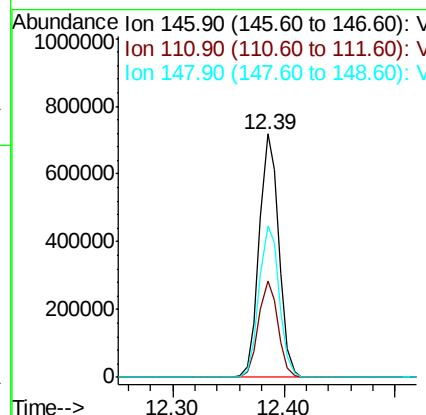
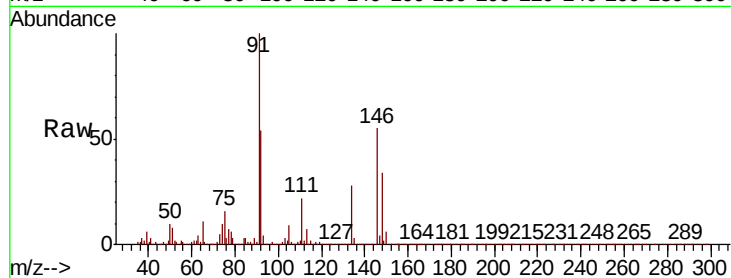
#91
1,2-Dichlorobenzene
Concen: 54.435 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	883649		
111	39.5	20.1	60.2	
148	64.3	32.0	96.0	

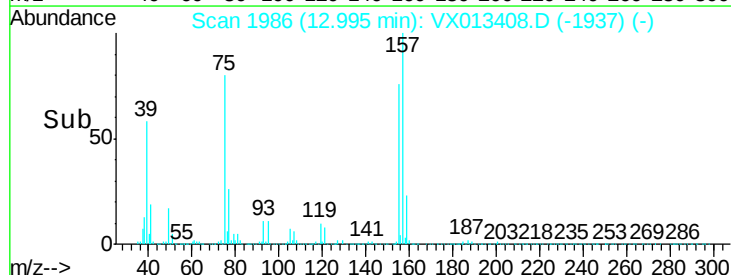
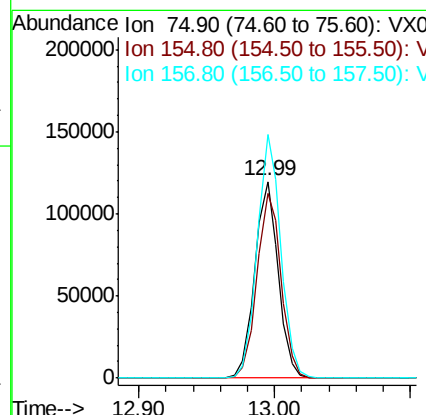
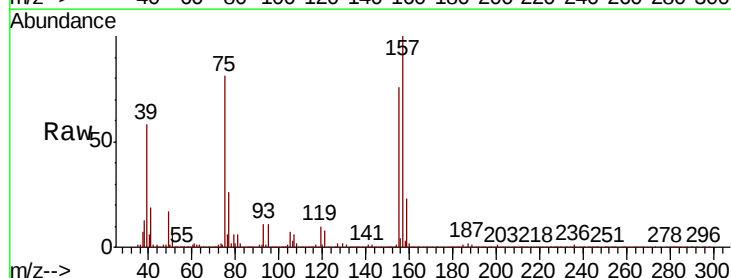
Manual Integrations
APPROVED

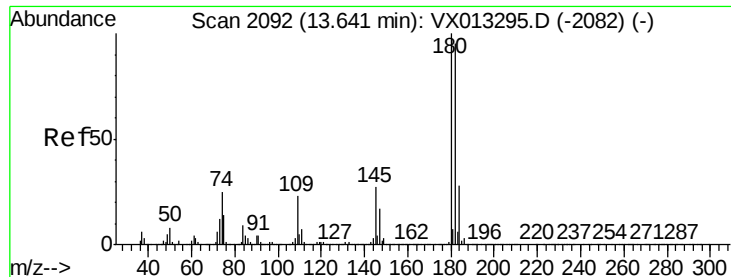
MMDadoda
11/14/2019 9:37:22 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.754 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VX013408.D
Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145049		
155	97.2	47.1	141.4	
157	124.2	61.3	183.8	





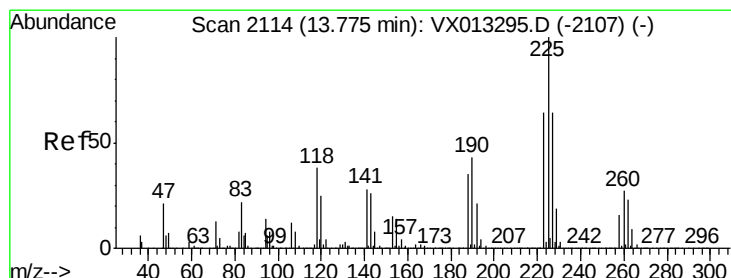
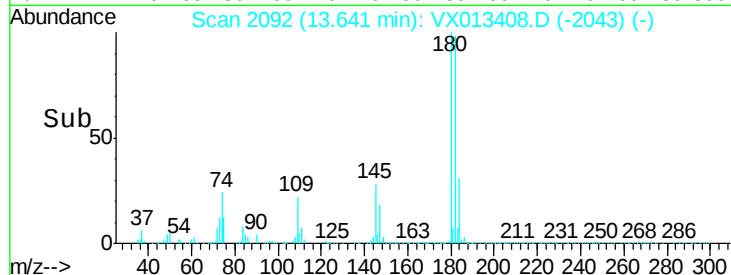
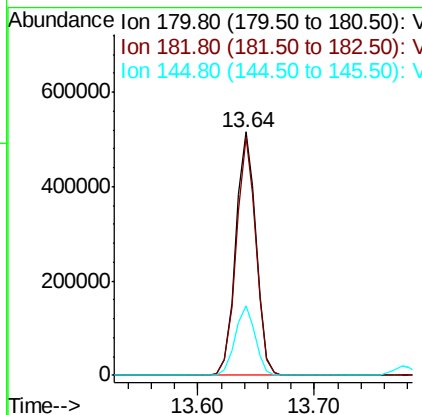
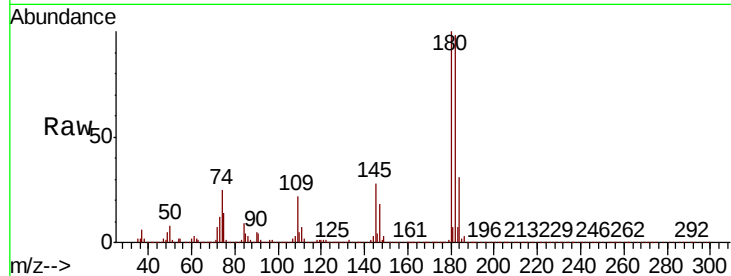
#93
 1,2,4-Trichlorobenzene
 Concen: 55.156 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013408.D
 Acq: 13 Nov 2019 16:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.4	145.0
145	28.3	14.1	42.4

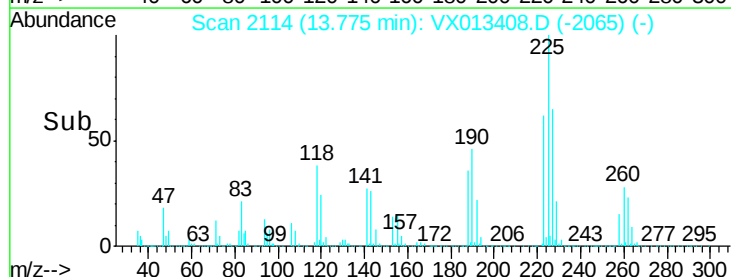
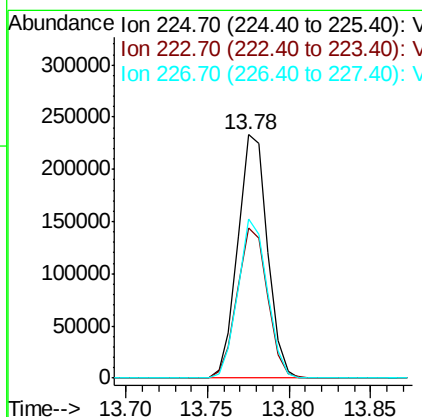
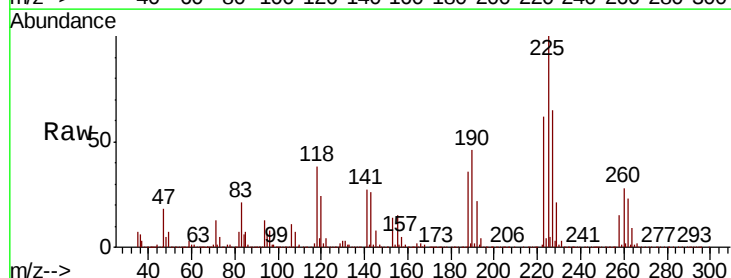
Manual Integrations
 APPROVED

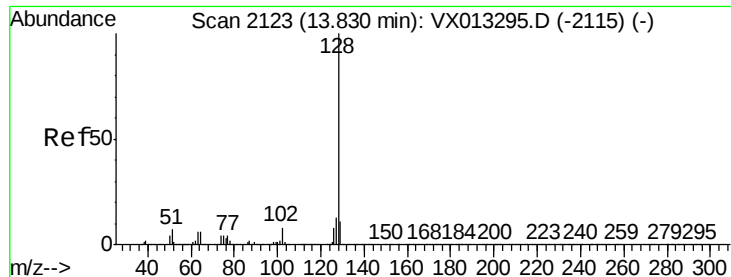
MMDadoda
 11/14/2019 9:37:22 AM



#94
 Hexachlorobutadiene
 Concen: 53.532 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013408.D
 Acq: 13 Nov 2019 16:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	64.6	31.9	95.9





#95

Naphthalene

Concen: 54.575 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Instrument :

MSVOA_X

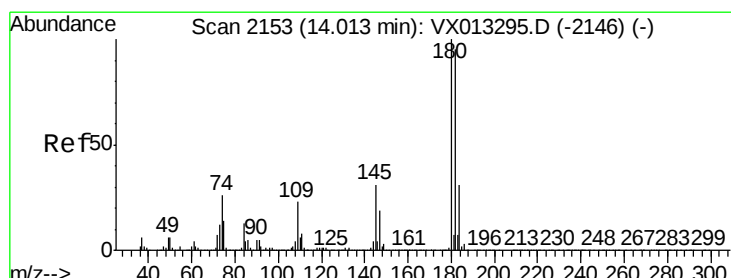
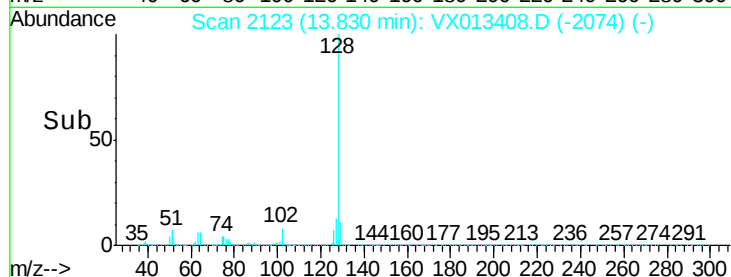
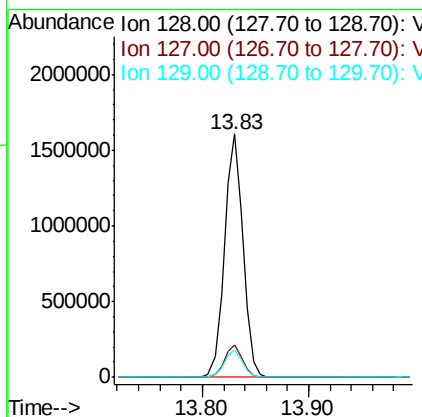
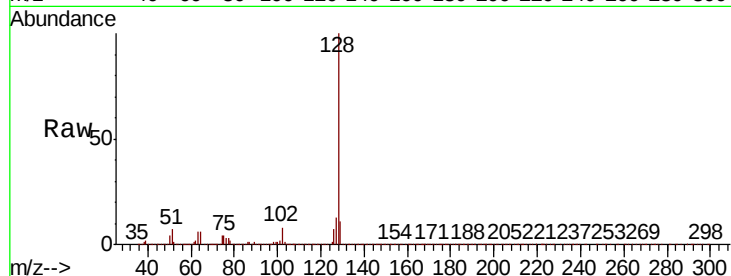
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1938853
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.234 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013408.D

Acq: 13 Nov 2019 16:13

Tgt Ion:	180	Resp:	627230
Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	29.5	15.4	46.4

