

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013037.D
 Acq On : 14 Oct 2019 09:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 11:04:14 AM

Quant Time: Oct 15 01:40:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	200906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	323041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	141905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	118794	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
35) Dibromofluoromethane	5.48	113	96429	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	8.71	98	362288	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	141528	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	93249	45.534	ug/l	100
3) Chloromethane	1.31	50	94815	42.542	ug/l	96
4) Vinyl Chloride	1.40	62	97255	42.278	ug/l	98
5) Bromomethane	1.62	94	38650	40.419	ug/l	100
6) Chloroethane	1.71	64	61016	43.471	ug/l	97
7) Trichlorofluoromethane	1.92	101	148721	47.900	ug/l	100
8) Diethyl Ether	2.18	74	56094	44.759	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	97094	48.319	ug/l	99
10) Methyl Iodide	2.50	142	103306	45.849	ug/l	100
11) Tert butyl alcohol	3.03	59	120721	181.355	ug/l	100
12) 1,1-Dichloroethene	2.36	96	91837	45.234	ug/l	96
13) Acrolein	2.28	56	83775	177.093	ug/l	98
14) Allyl chloride	2.72	41	161827	44.758	ug/l	99
15) Acrylonitrile	3.13	53	273433	216.756	ug/l	99
16) Acetone	2.43	43	280082	211.609	ug/l	98
17) Carbon Disulfide	2.56	76	237504	41.026	ug/l	100
18) Methyl Acetate	2.76	43	129966	41.427	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	326427	46.558	ug/l	99
20) Methylene Chloride	2.84	84	107678	44.267	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	98498	45.264	ug/l	97
22) Diisopropyl ether	3.84	45	319582	46.128	ug/l #	89
23) Vinyl Acetate	3.80	43	1373508	229.649	ug/l	100
24) 1,1-Dichloroethane	3.69	63	181762	46.634	ug/l	99
25) 2-Butanone	4.65	43	399055	217.316	ug/l	100
26) 2,2-Dichloropropane	4.57	77	161946	49.411	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	114646	45.707	ug/l	99
28) Bromochloromethane	5.00	49	58330	50.077	ug/l	98
29) Tetrahydrofuran	5.11	42	232618	205.859	ug/l	98
30) Chloroform	5.20	83	182143	45.544	ug/l	98
31) Cyclohexane	5.56	56	164029	45.007	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	162331	47.905	ug/l	99
36) 1,1-Dichloropropene	5.79	75	138254	48.678	ug/l	99
37) Ethyl Acetate	4.81	43	139514	43.929	ug/l	100
38) Carbon Tetrachloride	5.77	117	139654	50.517	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013037.D
 Acq On : 14 Oct 2019 09:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 11:04:14 AM

Quant Time: Oct 15 01:40:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	174660	50.709	ug/l	99
40) Benzene	6.13	78	404483	48.218	ug/l	100
41) Methacrylonitrile	5.03	41	78666	45.078	ug/l	98
42) 1,2-Dichloroethane	6.18	62	146242	48.584	ug/l	100
43) Isopropyl Acetate	6.43	43	237685	46.629	ug/l	99
44) Trichloroethene	7.20	130	109399	47.030	ug/l	91
45) 1,2-Dichloropropane	7.50	63	103773	48.538	ug/l	99
46) Dibromomethane	7.65	93	70219	49.296	ug/l	99
47) Bromodichloromethane	7.89	83	142429	51.237	ug/l	98
48) Methyl methacrylate	7.76	41	115028	46.307	ug/l	100
49) 1,4-Dioxane	7.73	88	52868	800.359	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	720264	226.633	ug/l	99
52) Toluene	8.78	92	261272	48.685	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	160440	46.411	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	174305	50.983	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	104161	49.044	ug/l	99
56) Ethyl methacrylate	9.17	69	168267	44.456	ug/l	100
57) 1,3-Dichloropropane	9.37	76	174966	47.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	390243	250.124	ug/l	99
59) 2-Hexanone	9.48	43	607100	245.397	ug/l	100
60) Dibromochloromethane	9.57	129	110513	46.880	ug/l	99
61) 1,2-Dibromoethane	9.67	107	109139	48.850	ug/l	99
64) Tetrachloroethene	9.33	164	107298	53.293	ug/l	98
65) Chlorobenzene	10.14	112	278268	48.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	102806	51.437	ug/l	98
67) Ethyl Benzene	10.25	91	504158	49.237	ug/l	99
68) m/p-Xylenes	10.35	106	384438	100.501	ug/l	100
69) o-Xylene	10.70	106	186582	50.018	ug/l	97
70) Styrene	10.71	104	324714	51.205	ug/l	100
71) Bromoform	10.85	173	77641	45.876	ug/l	100
73) Isopropylbenzene	11.01	105	505729	48.473	ug/l	100
74) N-amyl acetate	10.89	43	213465	47.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	155687	44.866	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	132331m	42.044	ug/l	
77) Bromobenzene	11.25	156	115556	47.002	ug/l	97
78) n-propylbenzene	11.35	91	562499	48.997	ug/l	99
79) 2-Chlorotoluene	11.42	91	339667	47.078	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	431049	49.479	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	55377	45.632	ug/l	95
82) 4-Chlorotoluene	11.51	91	394986	47.762	ug/l	99
83) tert-Butylbenzene	11.76	119	406082	47.785	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	432091	48.973	ug/l	99
85) sec-Butylbenzene	11.94	105	495030	50.280	ug/l	98
86) p-Isopropyltoluene	12.06	119	456240	49.965	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	219260	48.025	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	219882	47.554	ug/l	100
89) n-Butylbenzene	12.39	91	402181	52.406	ug/l	99
90) Hexachloroethane	12.59	117	81270	48.137	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	215876	48.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38048	46.781	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
Data File : VX013037.D
Acq On : 14 Oct 2019 09:19
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

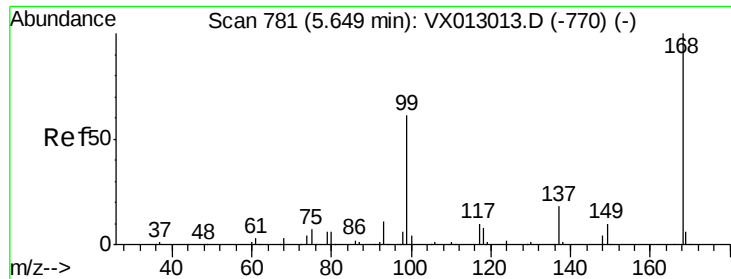
Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM

Quant Time: Oct 15 01:40:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	146102	52.109	ug/l	99
94) Hexachlorobutadiene	13.78	225	65392	50.537	ug/l	98
95) Naphthalene	13.83	128	469561	48.312	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	139889	48.281	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 200906

Ion Ratio Lower Upper

168 100

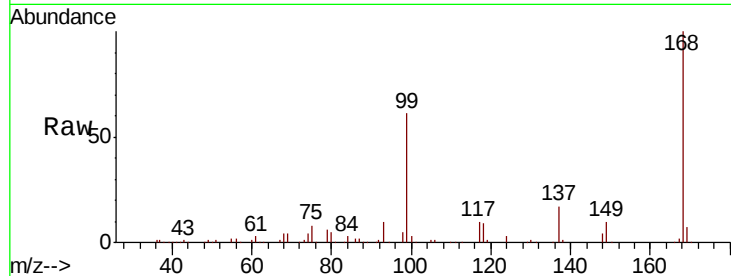
99 61.2 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

10/15/2019 11:04:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

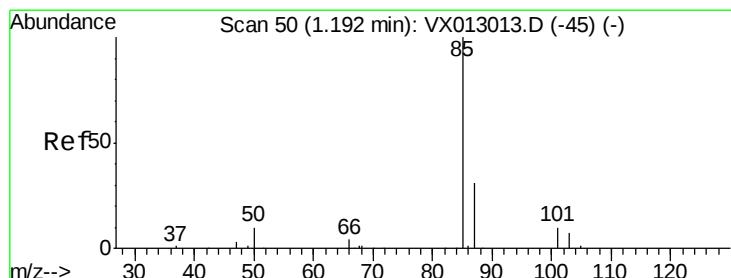
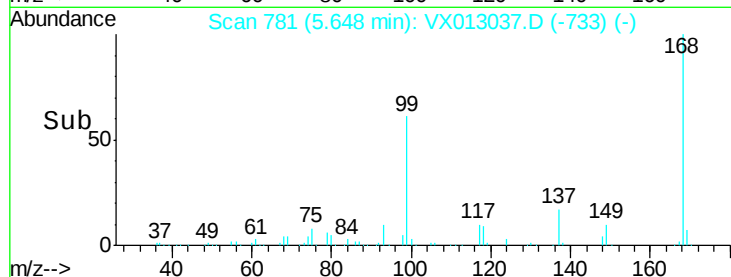
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.534 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013037.D

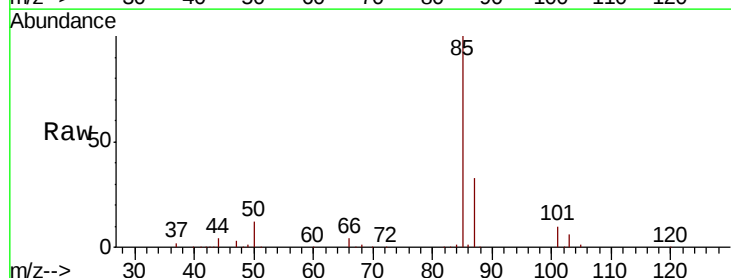
Acq: 14 Oct 2019 09:19

Tgt Ion: 85 Resp: 93249

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

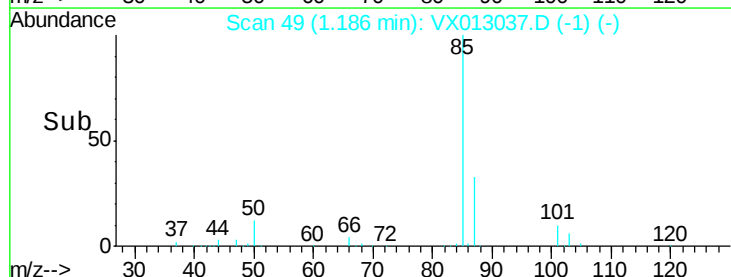
60000

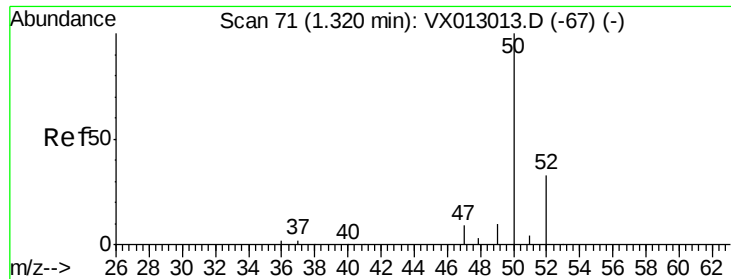
40000

20000

0

Time-->





#3

Chloromethane

Concen: 42.542 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94815

Ion Ratio Lower Upper

50 100

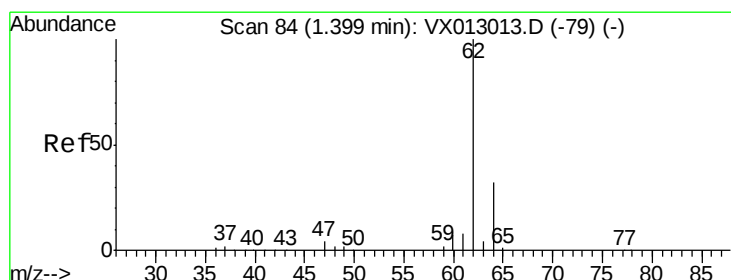
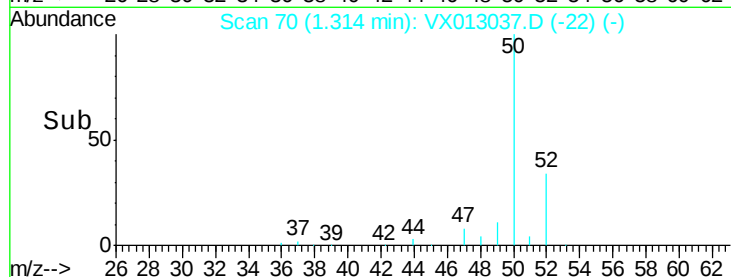
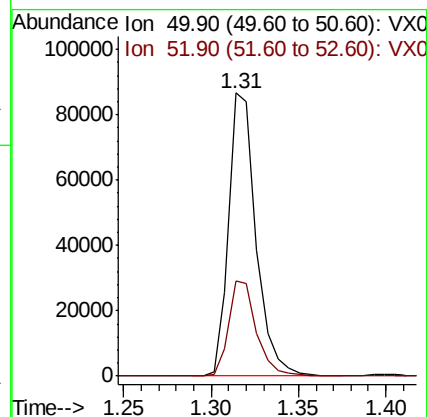
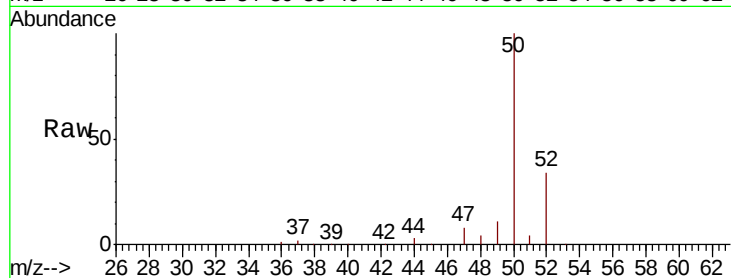
52 33.6 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/15/2019 11:04:14 AM



#4

Vinyl Chloride

Concen: 42.278 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013037.D

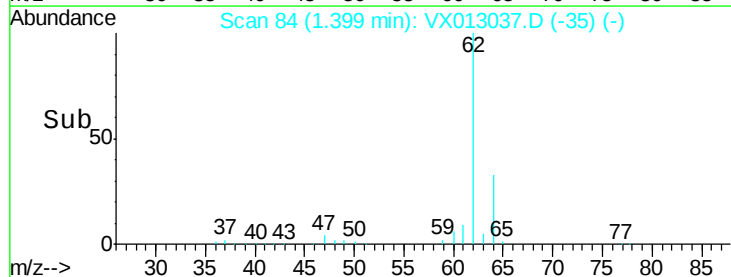
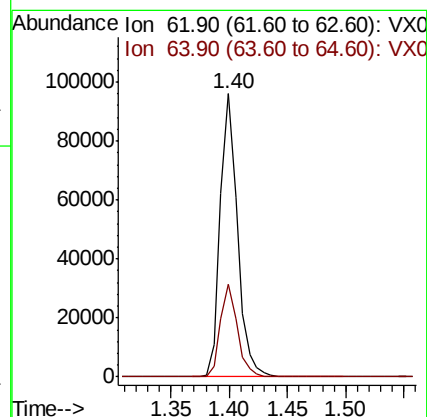
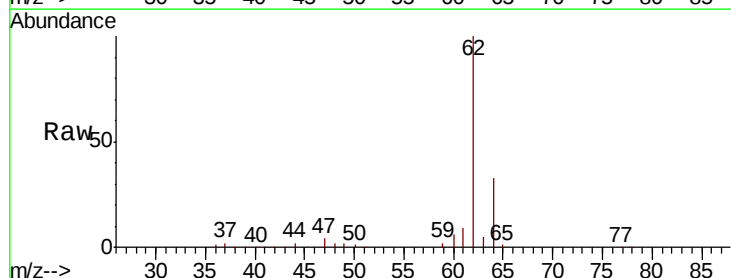
Acq: 14 Oct 2019 09:19

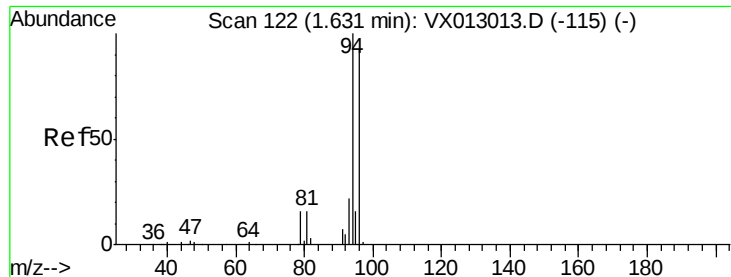
Tgt Ion: 62 Resp: 97255

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 40.419 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 38650

Ion Ratio Lower Upper

94 100

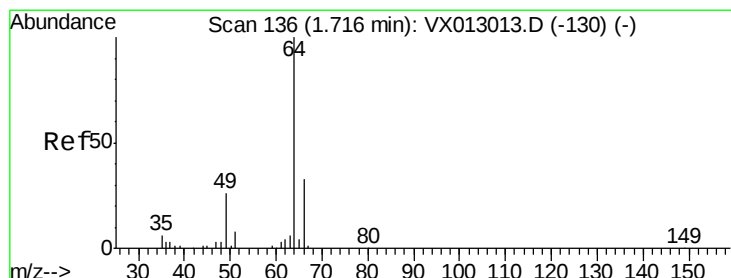
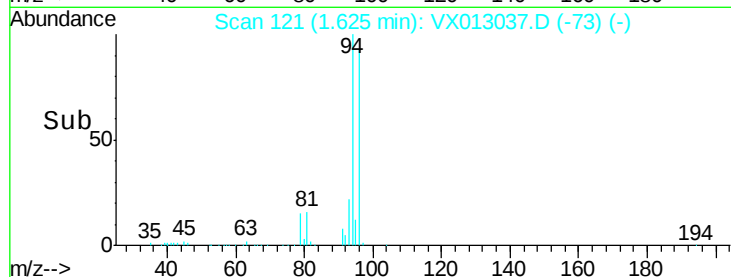
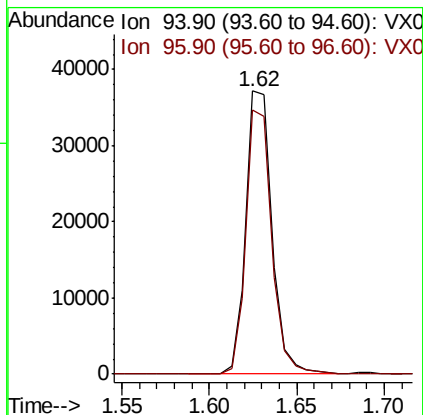
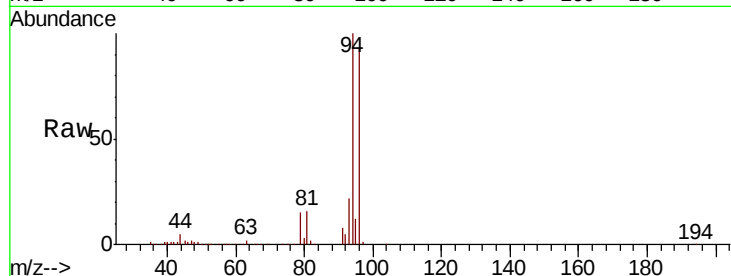
96 93.3 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

10/15/2019 11:04:14 AM



#6

Chloroethane

Concen: 43.471 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013037.D

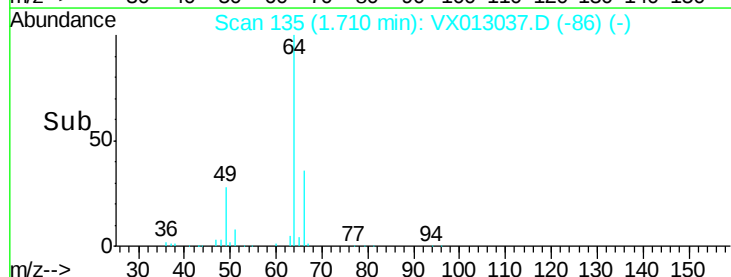
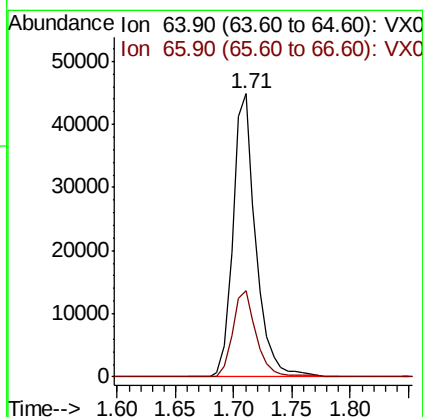
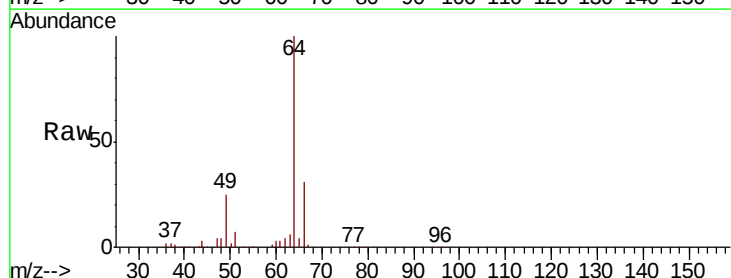
Acq: 14 Oct 2019 09:19

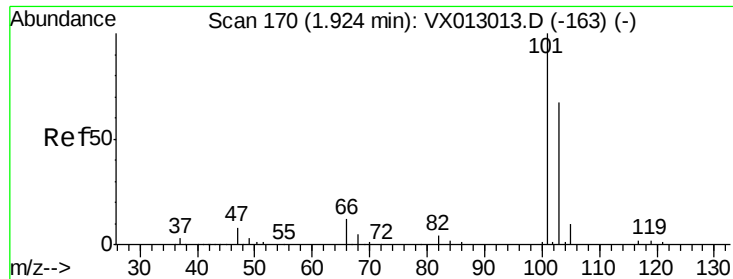
Tgt Ion: 64 Resp: 61016

Ion Ratio Lower Upper

64 100

66 30.5 25.6 38.4





#7

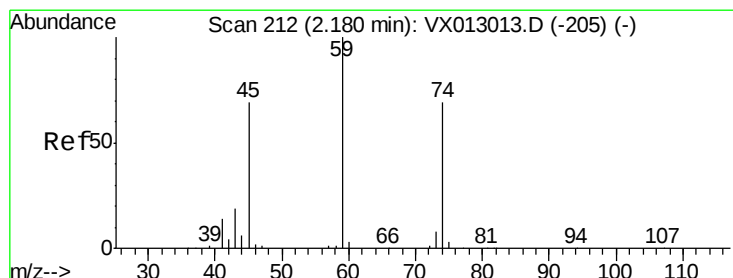
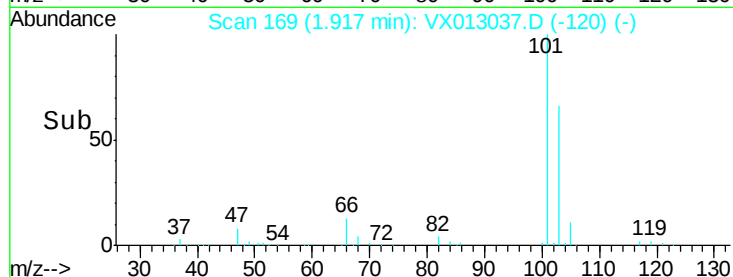
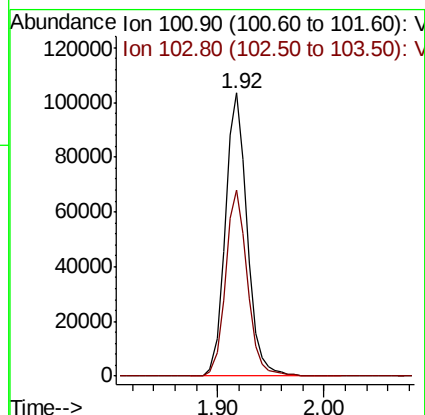
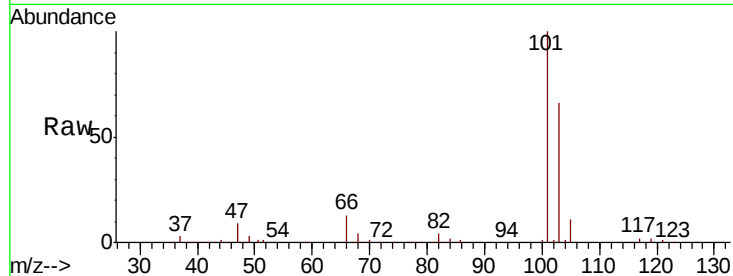
Trichlorofluoromethane
 Concen: 47.900 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

Manual Integrations
 APPROVED

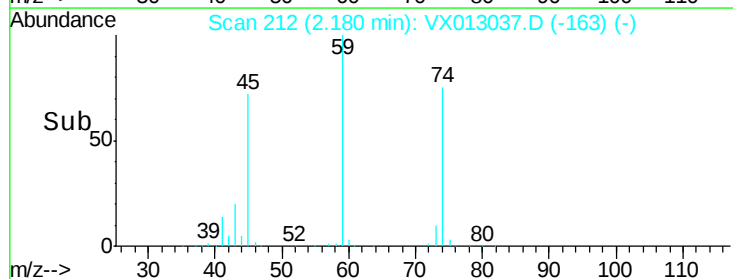
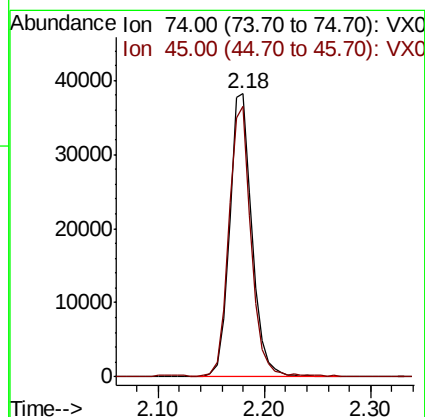
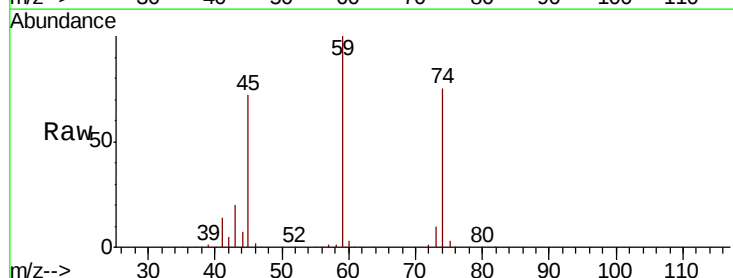
MMDadoda
 10/15/2019 11:04:14 AM

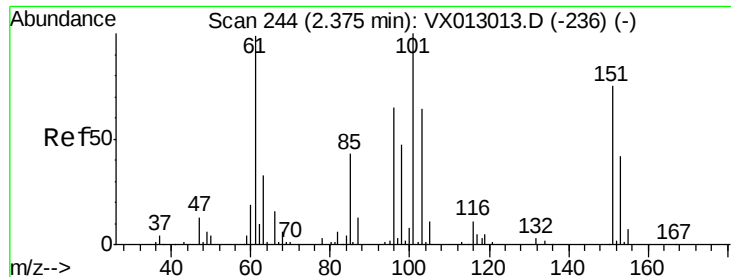


#8

Diethyl Ether
 Concen: 44.759 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.319 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

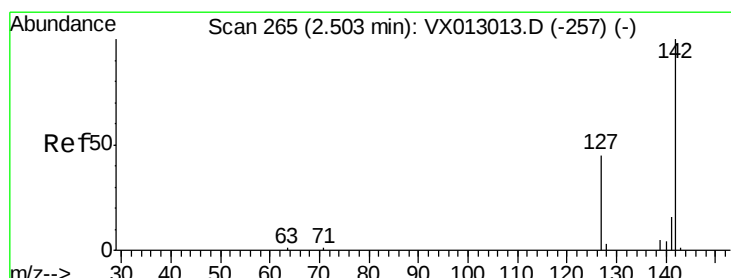
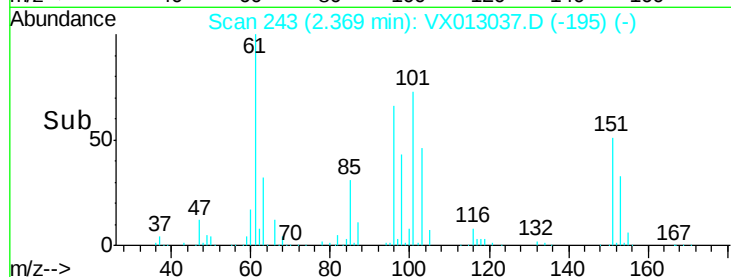
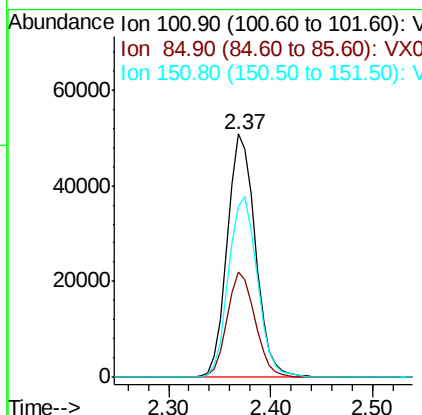
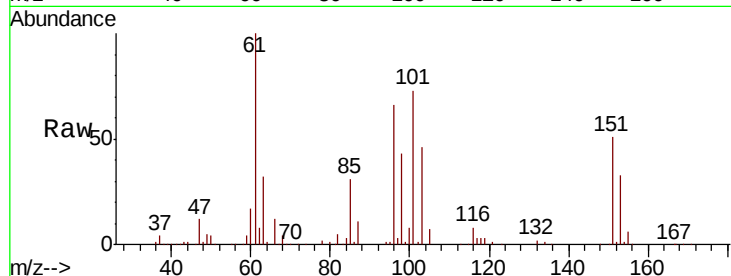
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	97094
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.2	52.8
151	75.9	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#10

Methyl Iodide

Concen: 45.849 ug/l

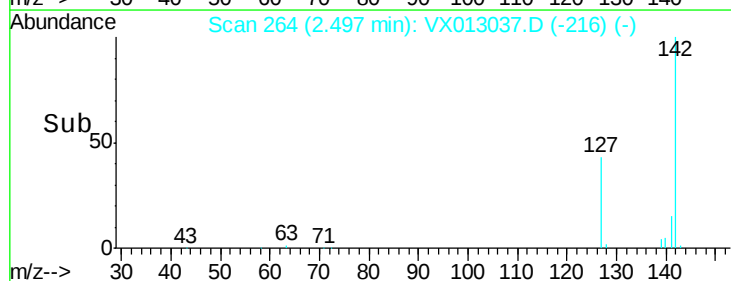
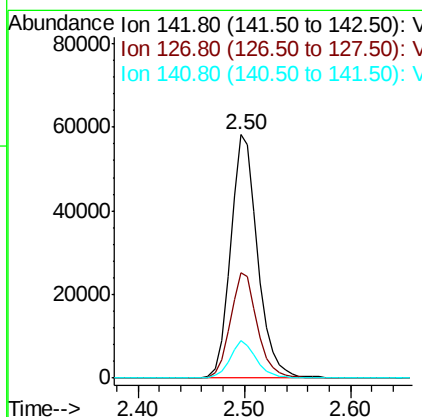
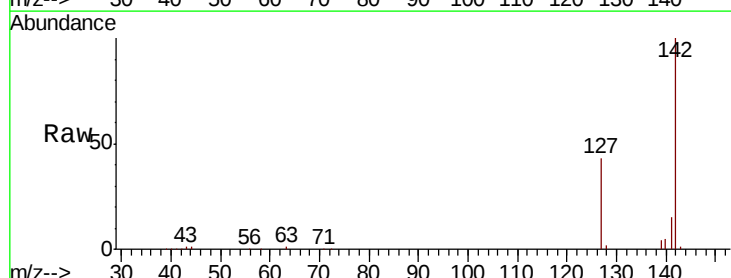
RT: 2.50 min Scan# 264

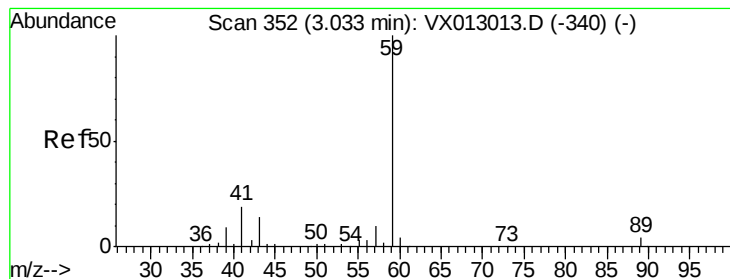
Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion:	142	Resp:	103306
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.9	52.3
141	14.8	11.6	17.4





#11

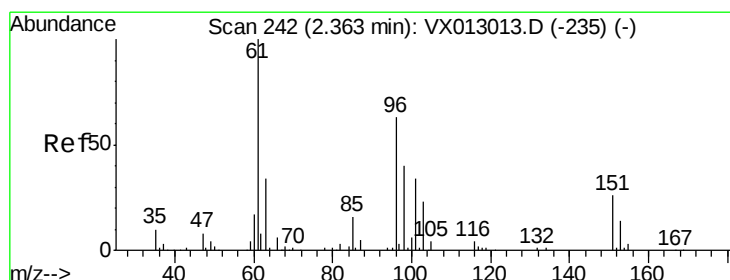
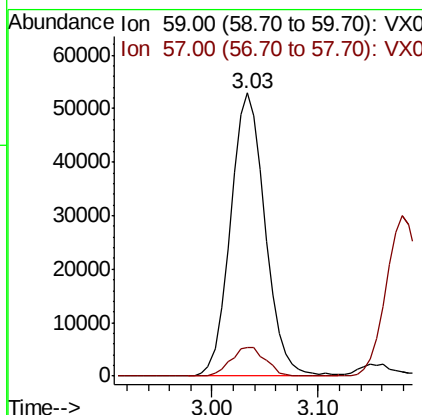
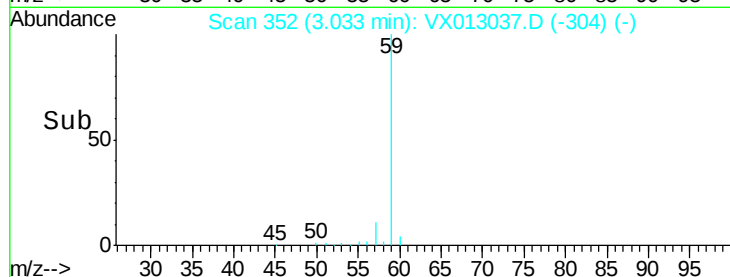
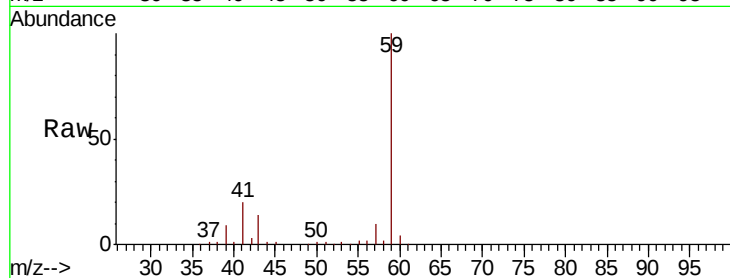
Tert butyl alcohol
Concen: 181.355 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
APPROVED

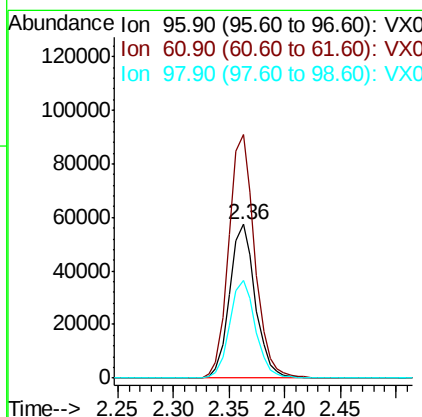
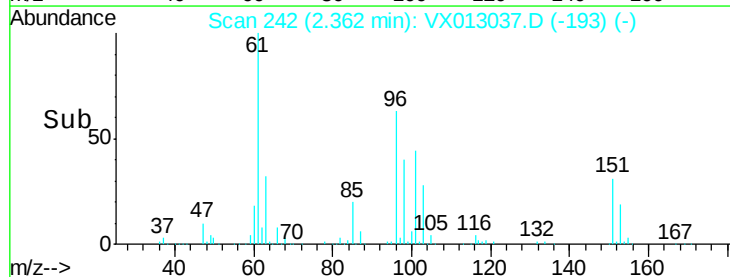
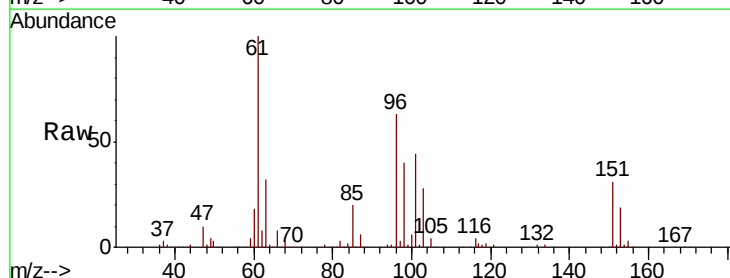
MMDadoda
10/15/2019 11:04:14 AM

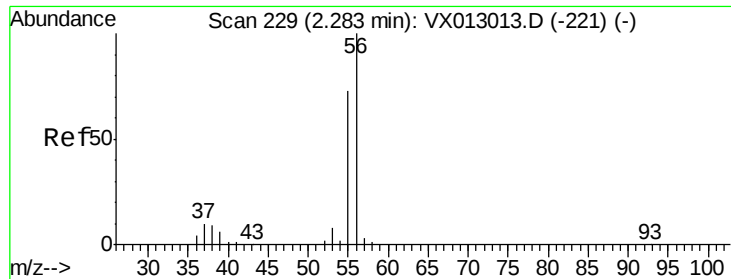


#12

1,1-Dichloroethene
Concen: 45.234 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	132.2	198.4
98	63.5	50.5	75.7





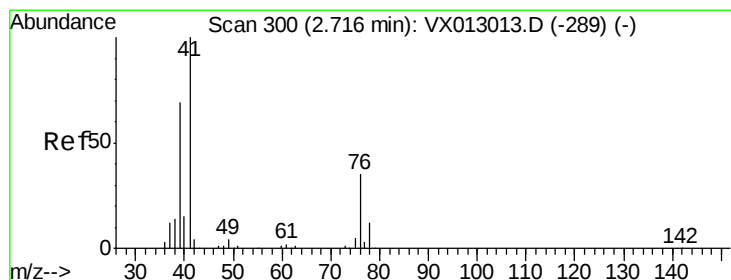
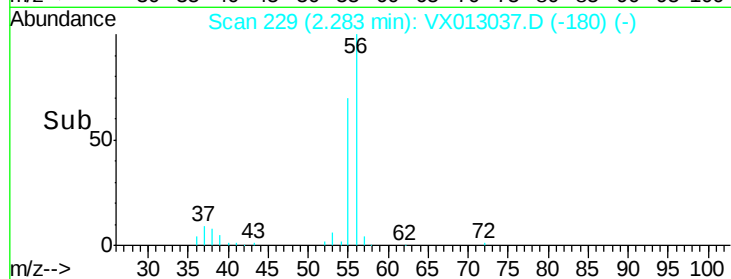
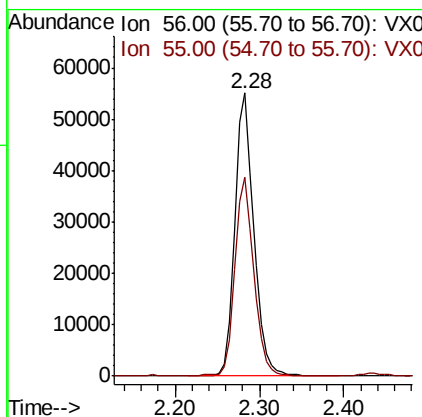
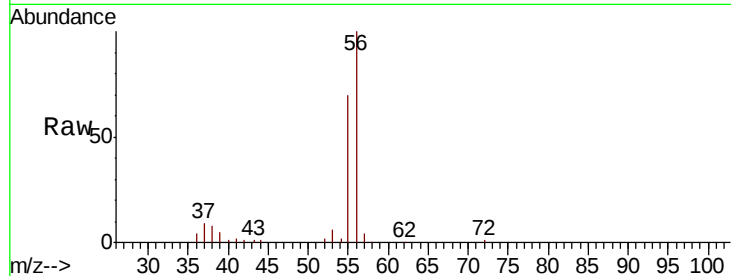
#13
Acrolein
Concen: 177.093 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	83775
Ion Ratio	100	Lower	Upper
56	100		
55	69.3	56.6	85.0

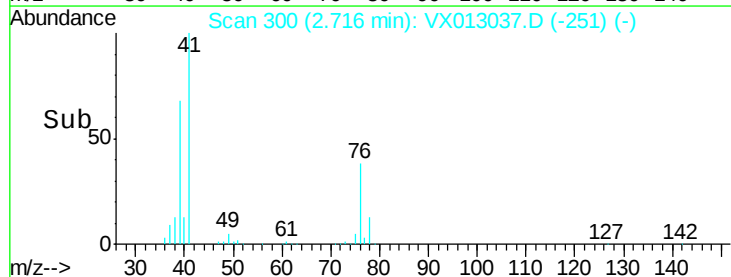
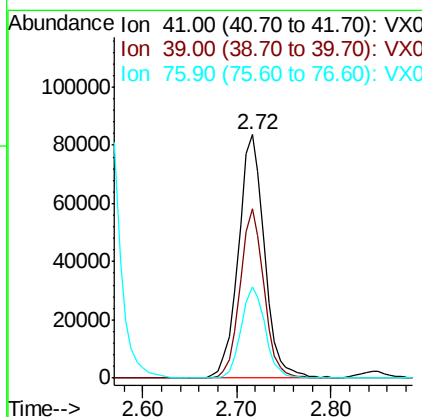
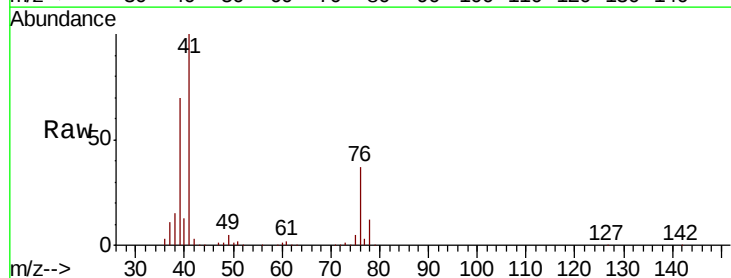
Manual Integrations
APPROVED

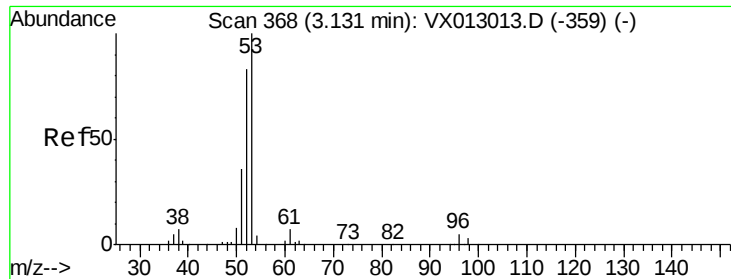
MMDadoda
10/15/2019 11:04:14 AM



#14
Allyl chloride
Concen: 44.758 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	41	Resp	161827
Ion Ratio	100	Lower	Upper
41	100		
39	63.9	51.0	76.6
76	34.7	26.2	39.4





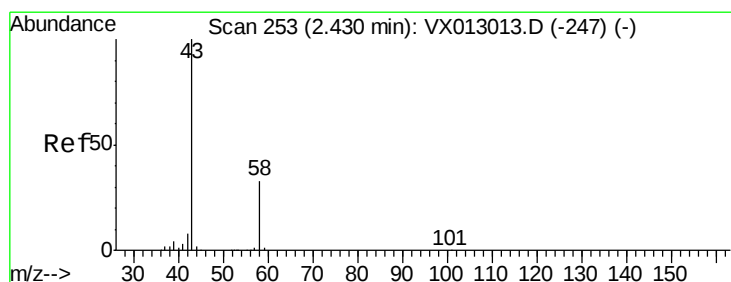
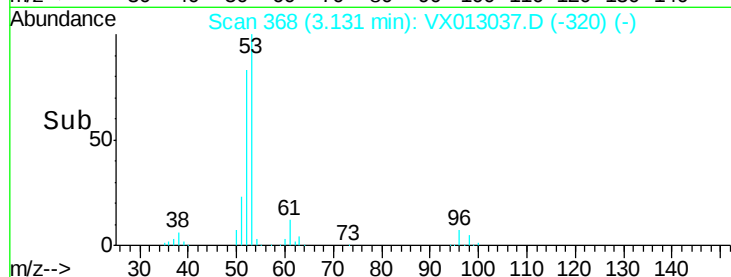
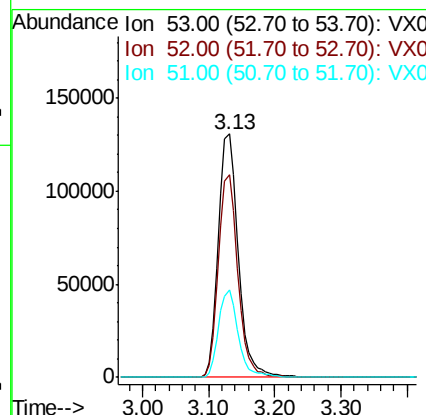
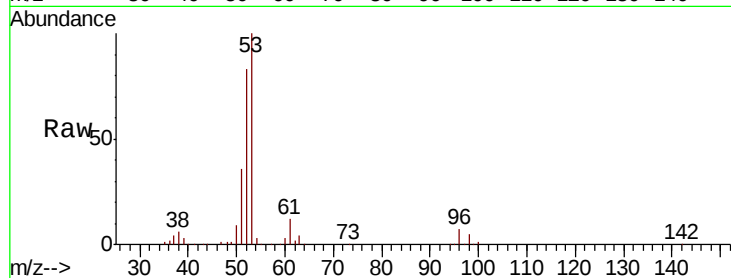
#15
 Acrylonitrile
 Concen: 216.756 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.2	99.2
51	35.6	28.2	42.4

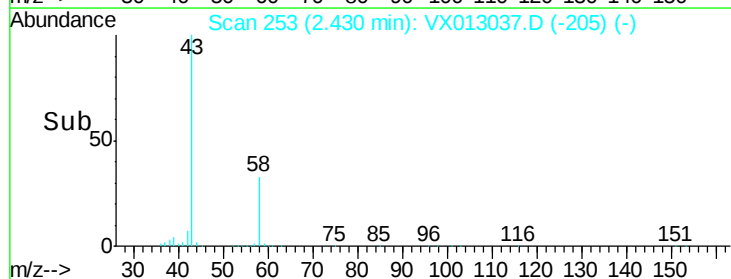
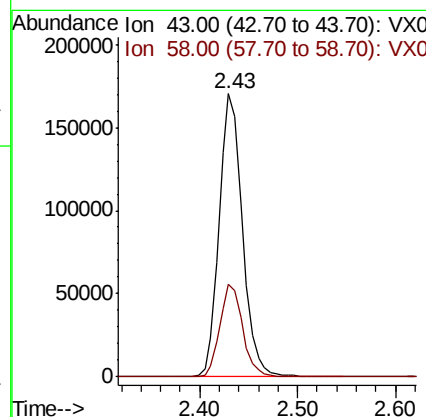
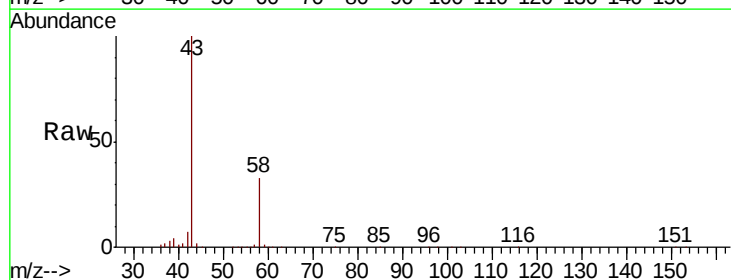
Manual Integrations
 APPROVED

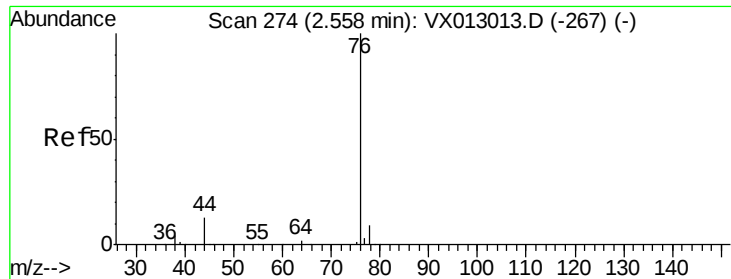
MMDadoda
 10/15/2019 11:04:14 AM



#16
 Acetone
 Concen: 211.609 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.4	38.2





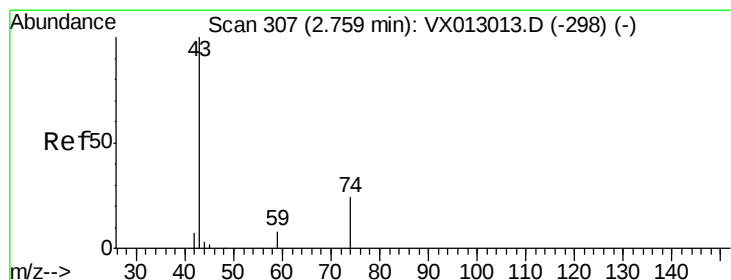
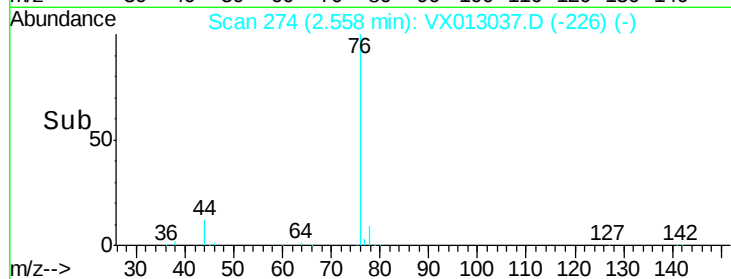
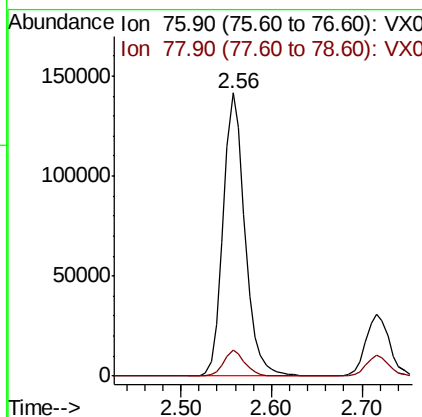
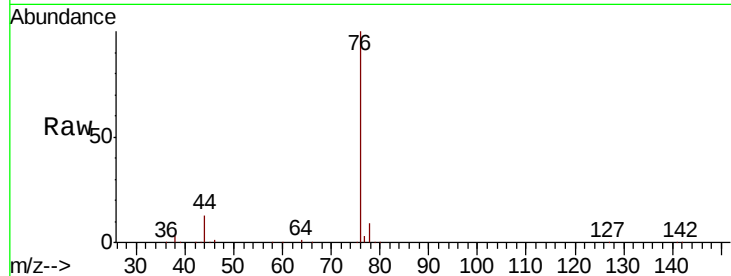
#17
Carbon Disulfide
Concen: 41.026 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

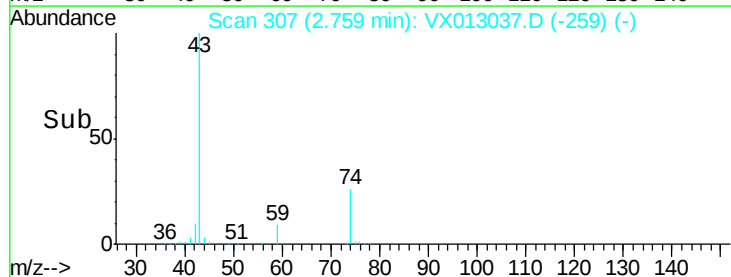
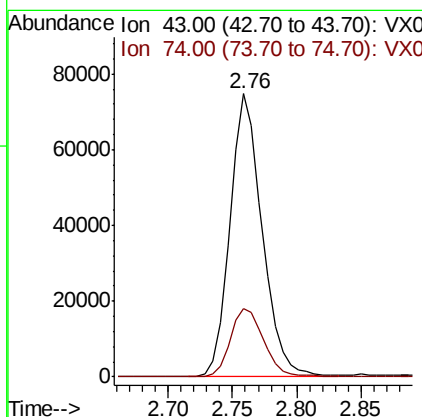
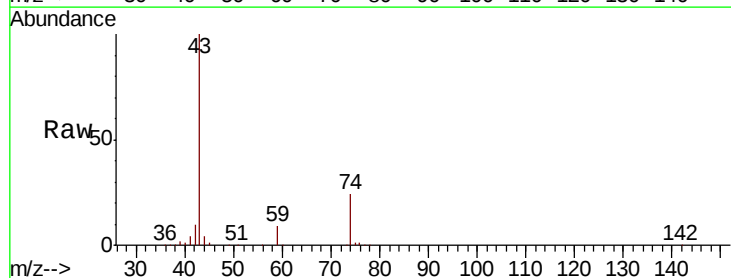
Manual Integrations
APPROVED

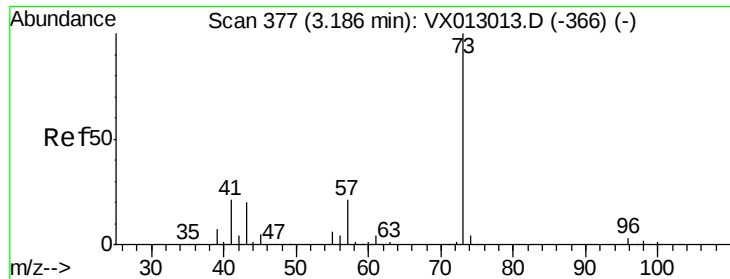
MMDadoda
10/15/2019 11:04:14 AM



#18
Methyl Acetate
Concen: 41.427 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.2	28.8





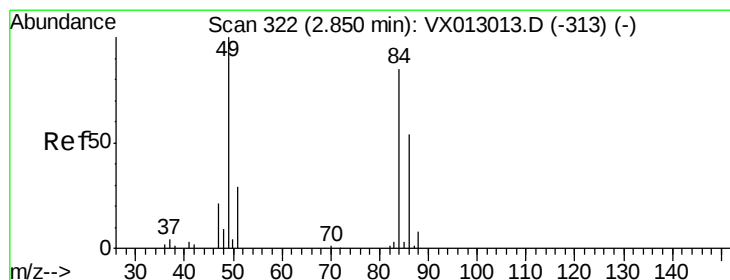
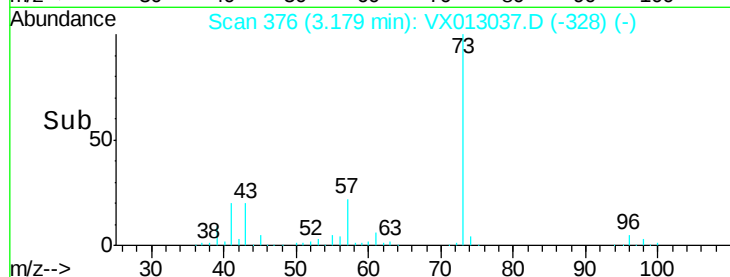
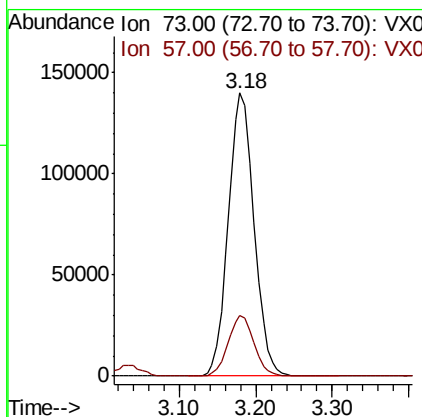
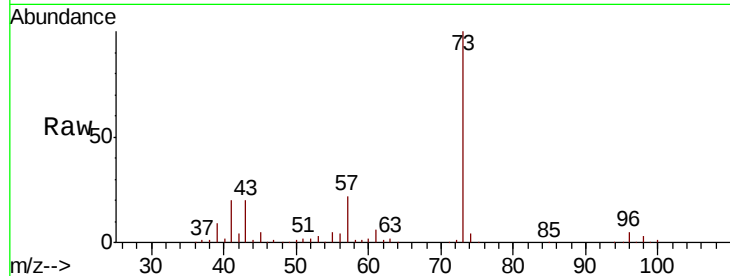
#19
Methvl tert-butvl Ether
Concen: 46.558 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 326427
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.6

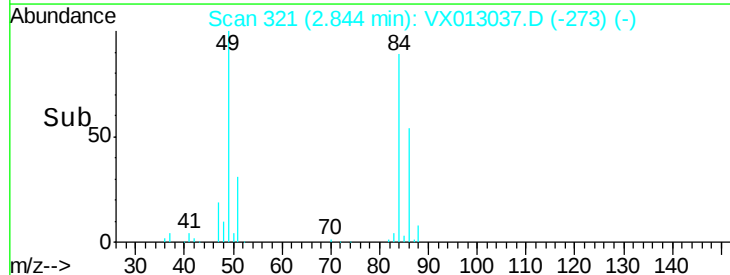
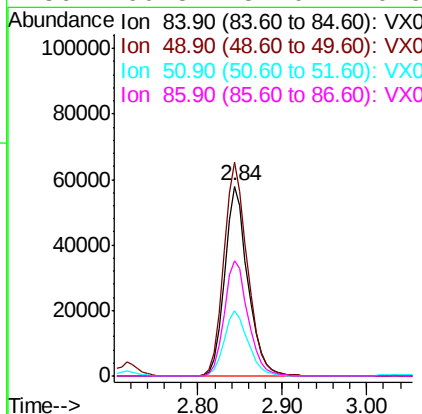
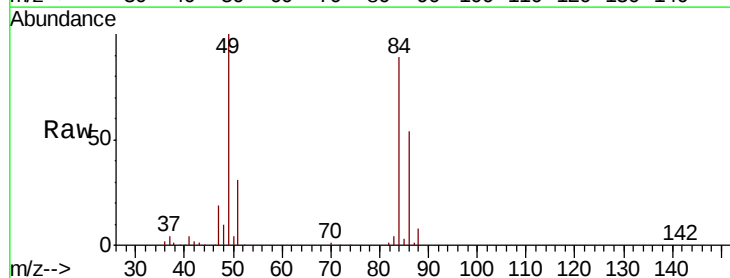
Manual Integrations
APPROVED

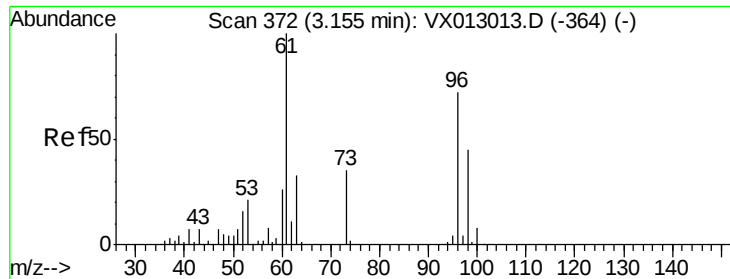
MMDadoda
10/15/2019 11:04:14 AM



#20
Methylene Chloride
Concen: 44.267 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion: 84 Resp: 107678
Ion Ratio Lower Upper
84 100
49 112.7 96.6 144.8
51 34.7 30.7 46.1
86 60.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.264 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 98498

Ion Ratio Lower Upper

96 100

61 134.2 110.4 165.6

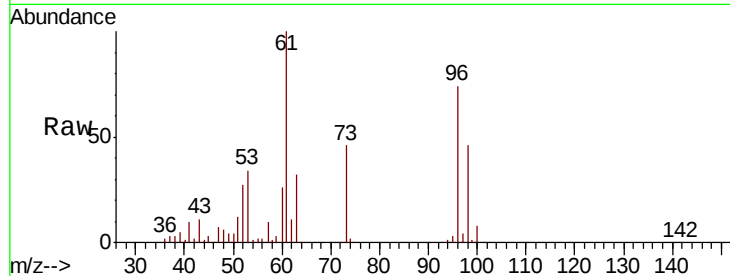
98 62.2 51.5 77.3

Manual Integrations

APPROVED

MMDadoda

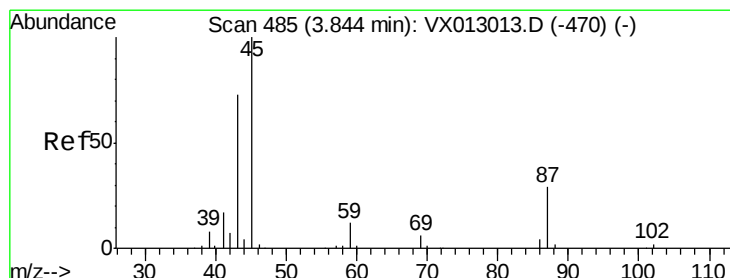
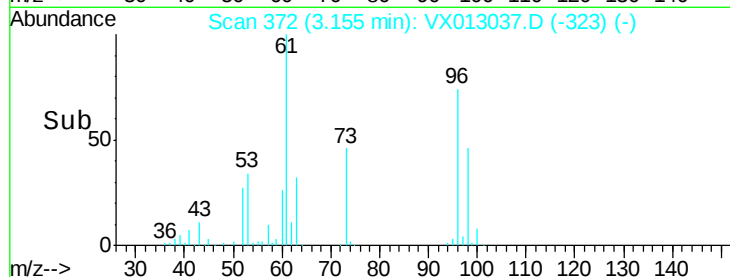
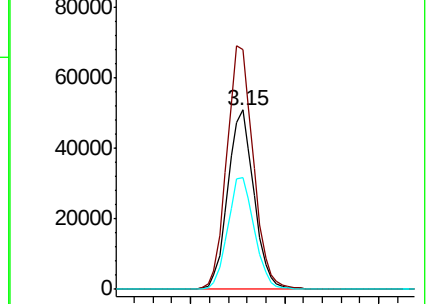
10/15/2019 11:04:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.128 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion: 45 Resp: 319582

Ion Ratio Lower Upper

45 100

43 77.8 51.4 77.0#

87 29.3 22.5 33.7

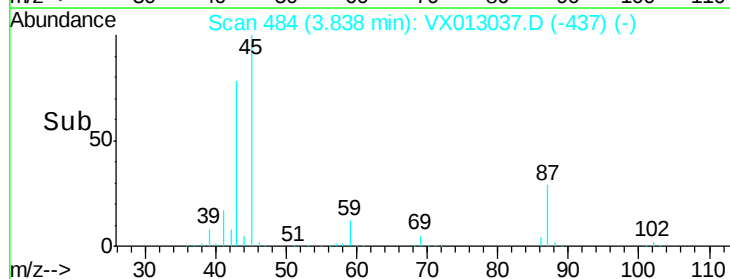
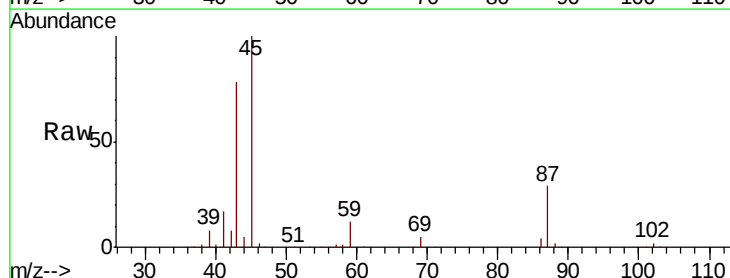
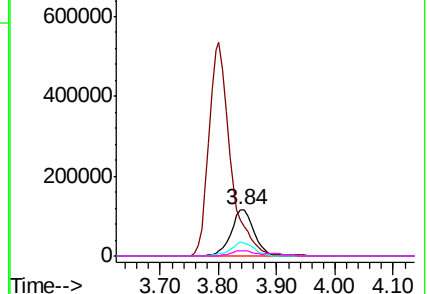
59 11.6 9.7 14.5

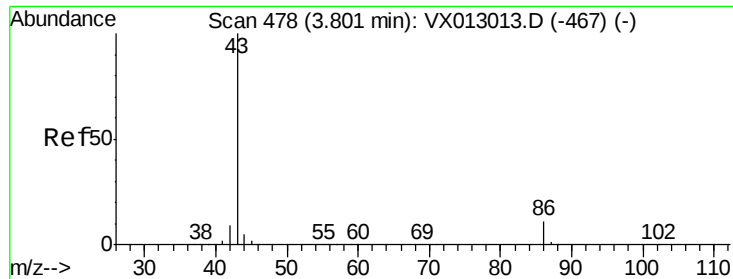
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 229.649 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1373508

Ion Ratio Lower Upper

43 100

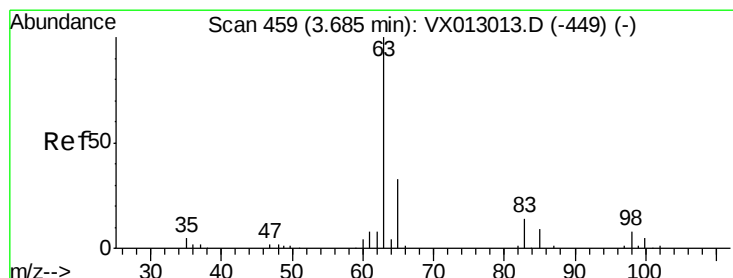
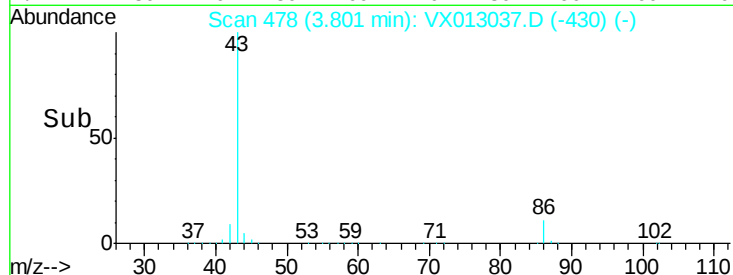
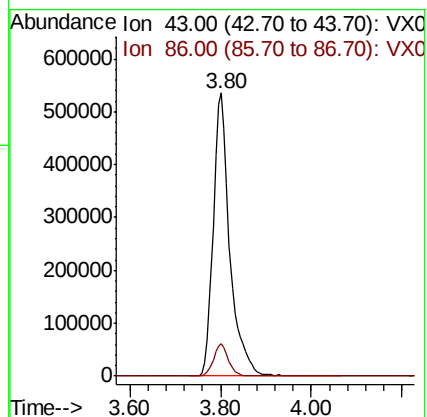
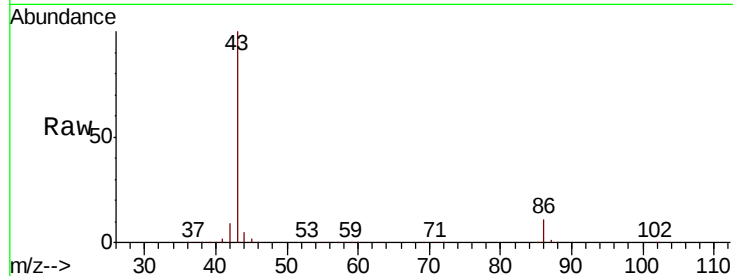
86 11.3 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

10/15/2019 11:04:14 AM



#24

1,1-Dichloroethane

Concen: 46.634 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

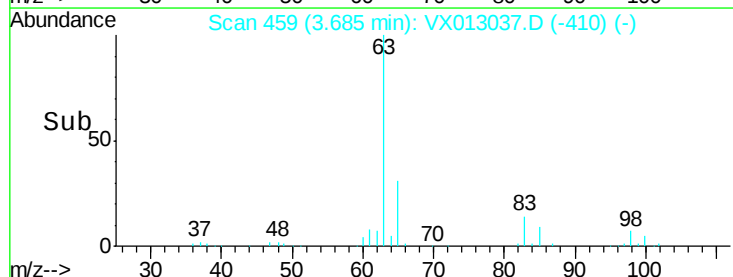
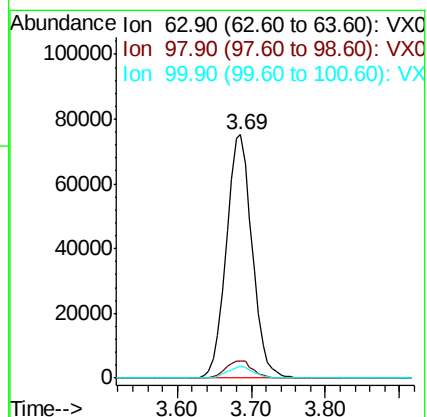
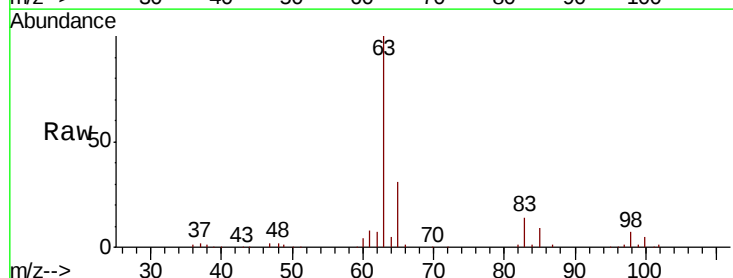
Tgt Ion: 63 Resp: 181762

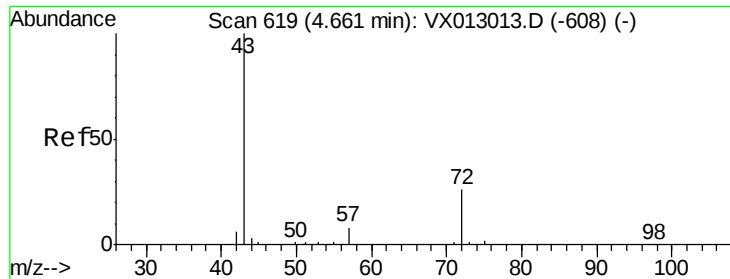
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 217.316 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 399055

Ion Ratio Lower Upper

43 100

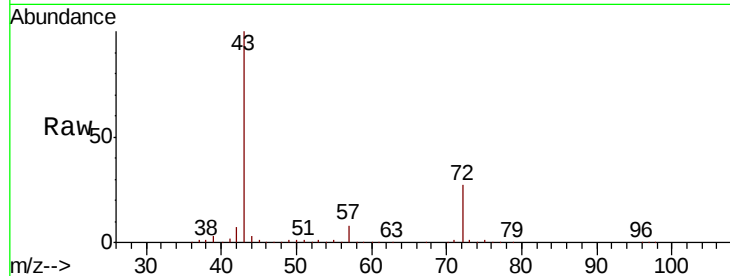
72 26.5 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

10/15/2019 11:04:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

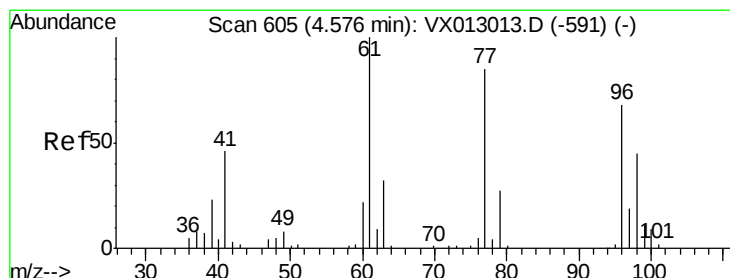
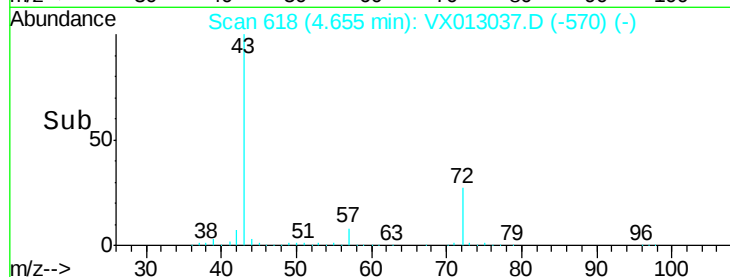
100000

50000

0

4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 49.411 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013037.D

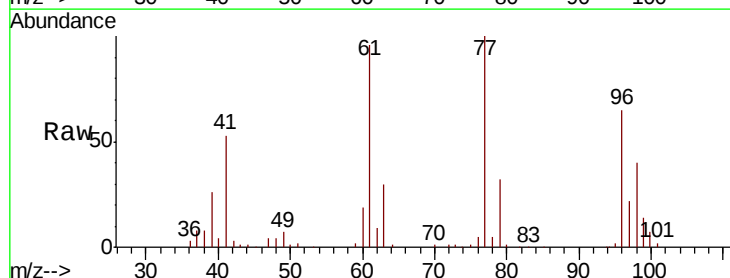
Acq: 14 Oct 2019 09:19

Tgt Ion: 77 Resp: 161946

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

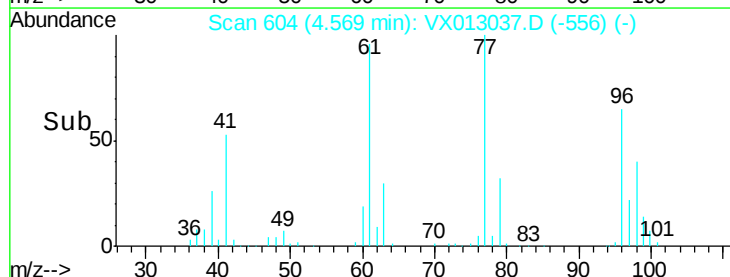
20000

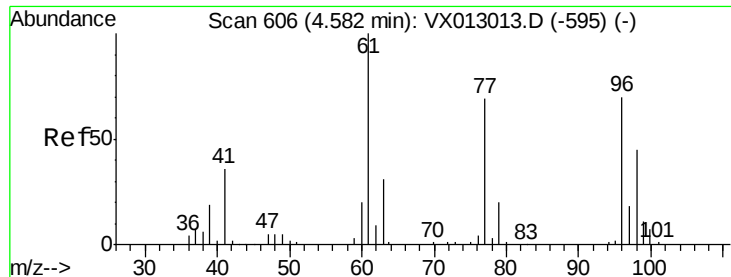
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

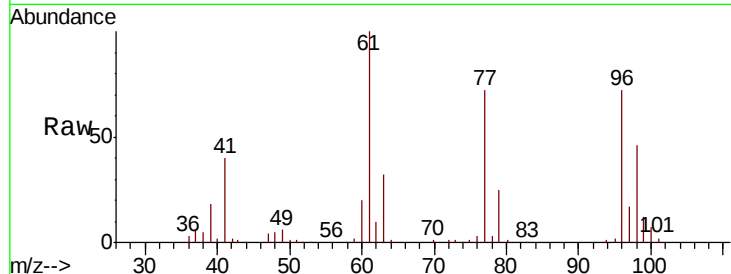
cis-1,2-Dichloroethene
Concen: 45.707 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	114646		
61	143.5	0.0	290.6	
98	63.4	0.0	128.8	

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM

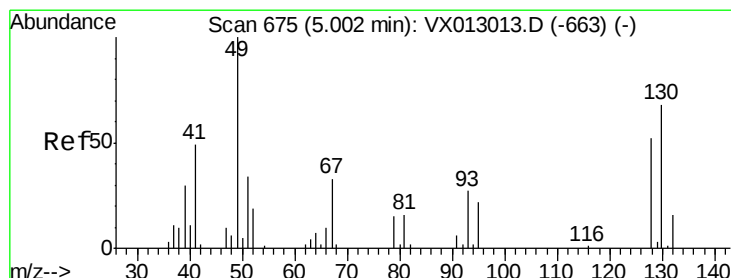
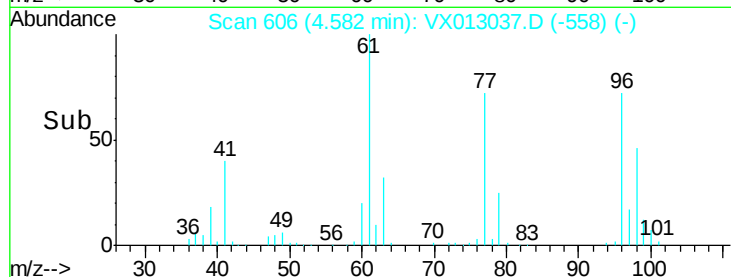
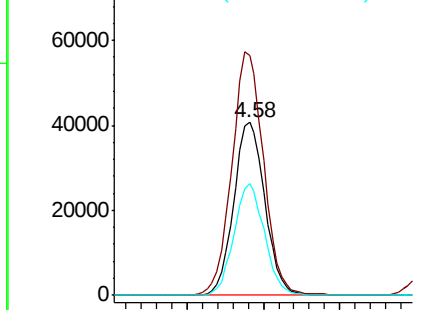


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

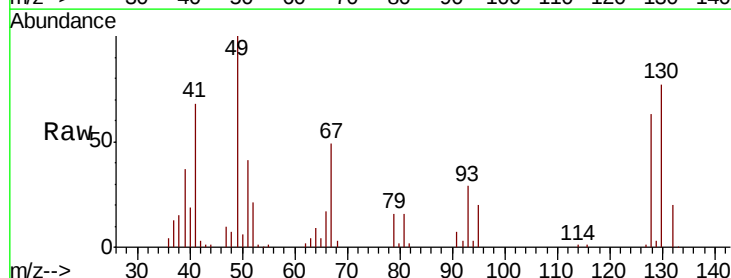
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 50.077 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	58330		
129	1.6	0.0	4.2	
130	79.2	62.1	93.1	

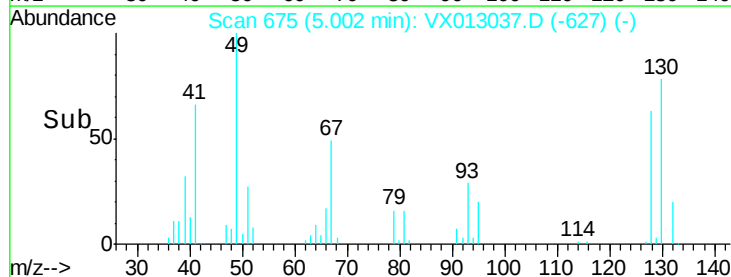
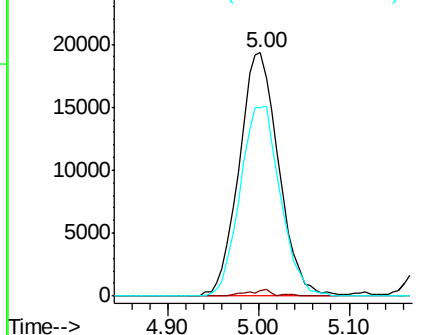


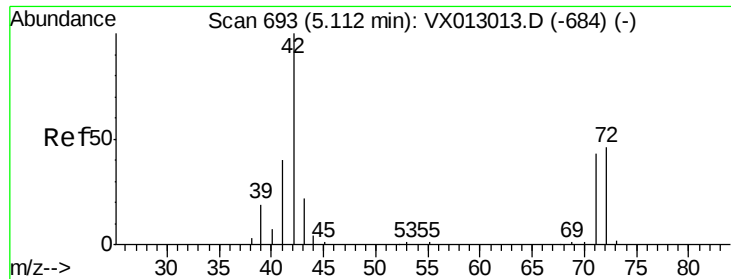
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





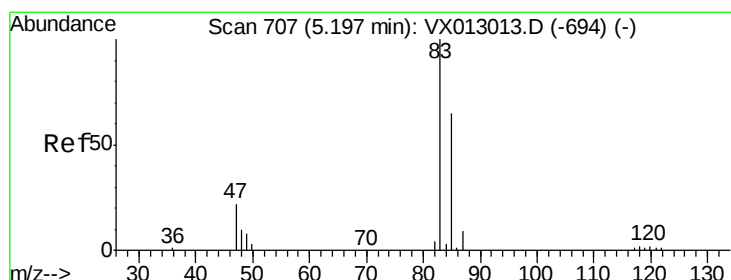
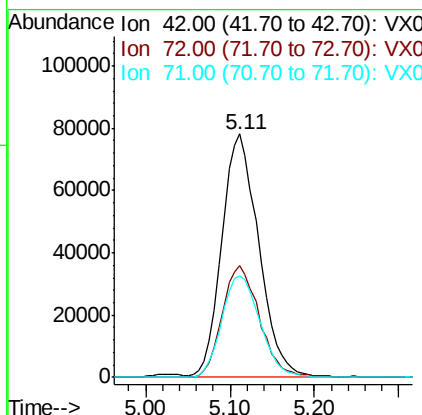
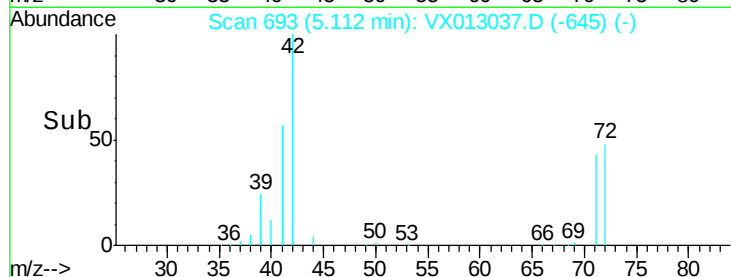
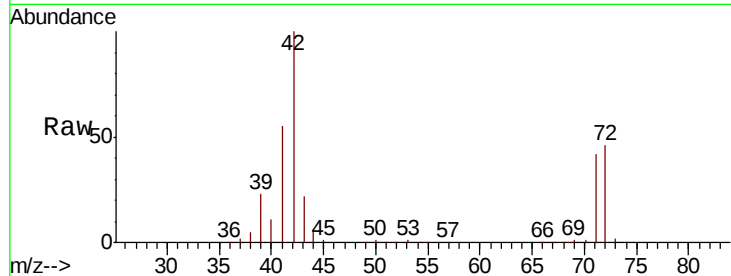
#29
Tetrahydrofuran
Concen: 205.859 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	36.9	55.3
71	43.6	33.5	50.3

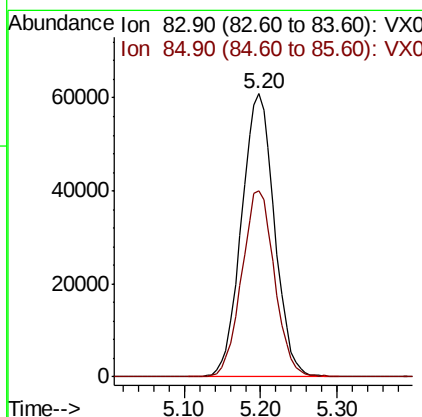
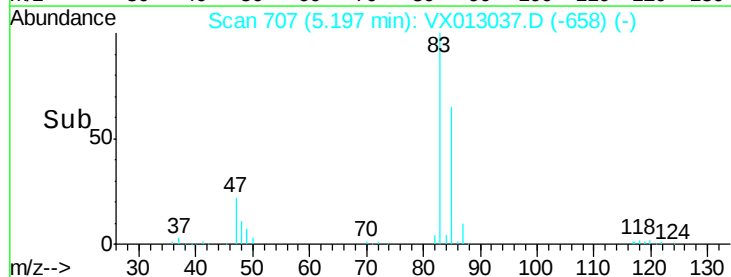
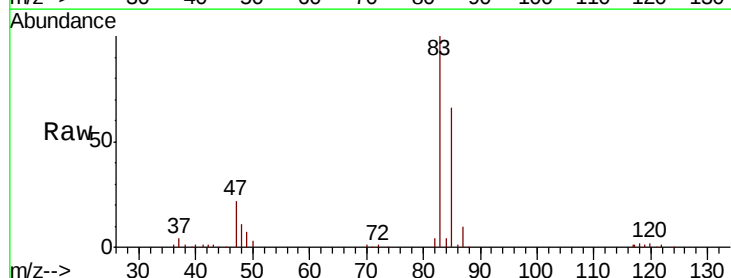
Manual Integrations
APPROVED

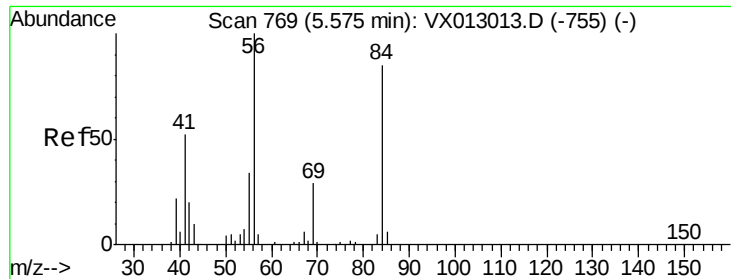
MMDadoda
10/15/2019 11:04:14 AM



#30
Chloroform
Concen: 45.544 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3





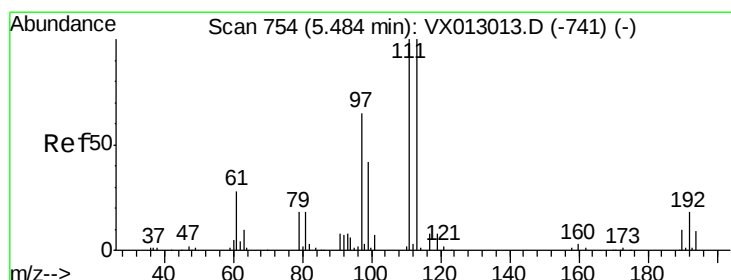
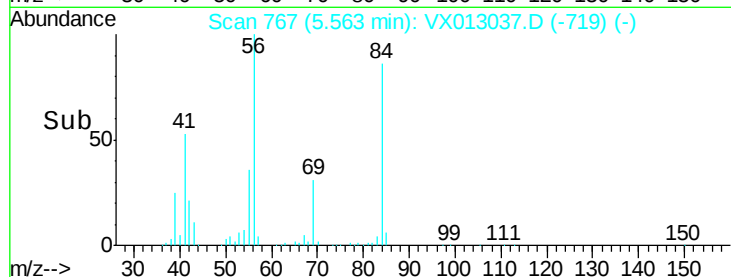
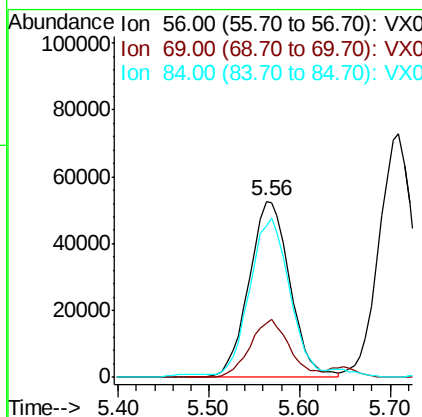
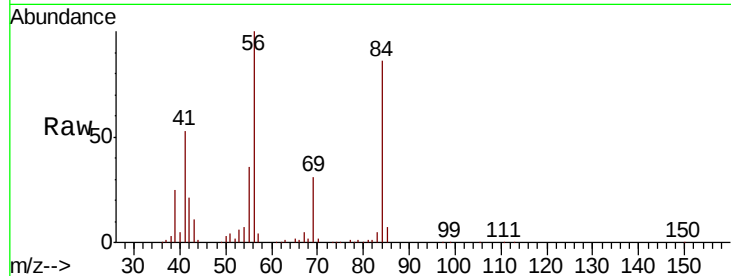
#31
Cyclohexane
Concen: 45.007 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.2	37.8
84	84.3	71.3	106.9

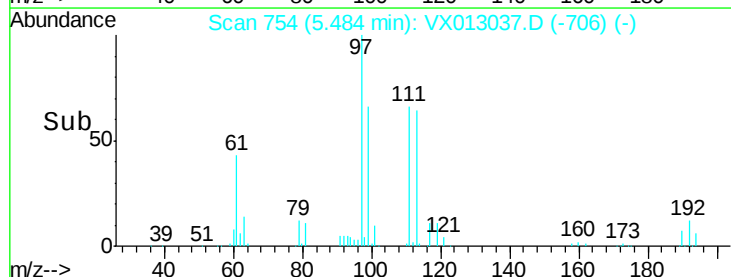
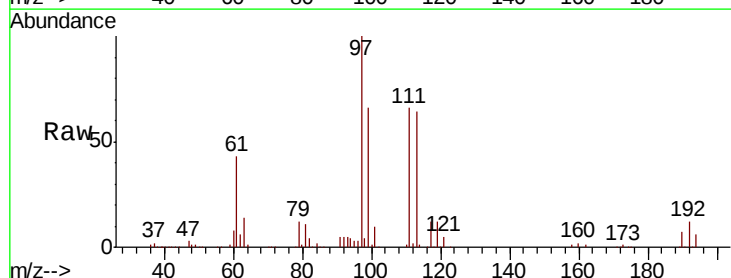
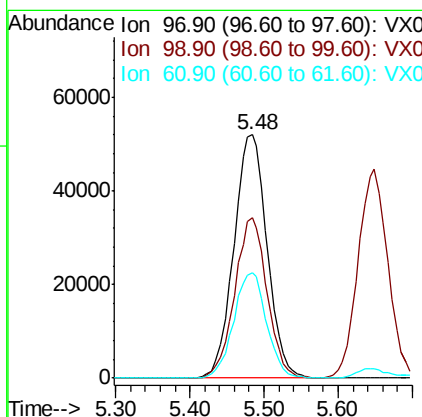
Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#32
1,1,1-Trichloroethane
Concen: 47.905 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	43.1	35.0	52.4





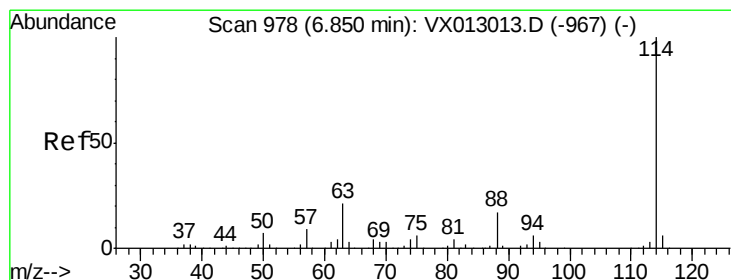
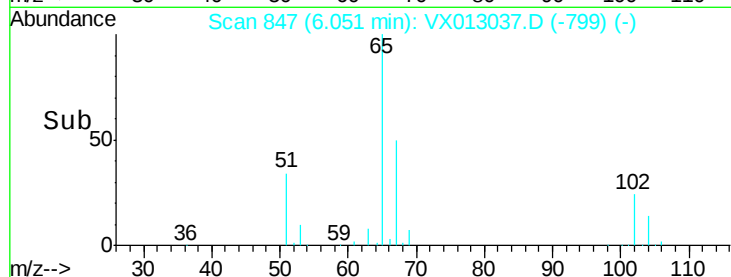
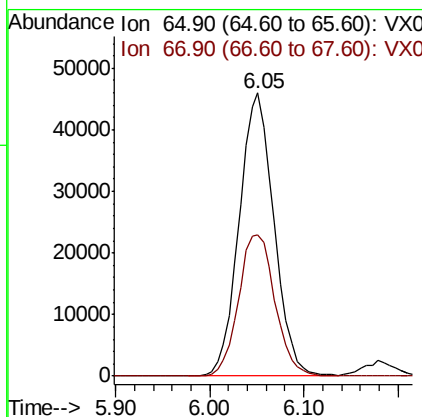
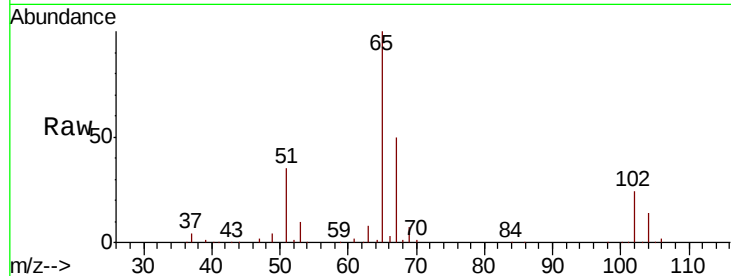
#33
 1,2-Dichloroethane-d4
 Concen: 47.308 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.4

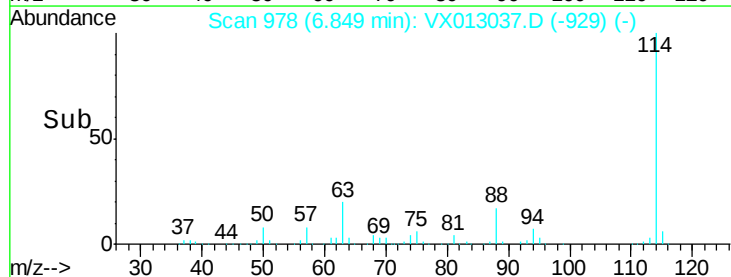
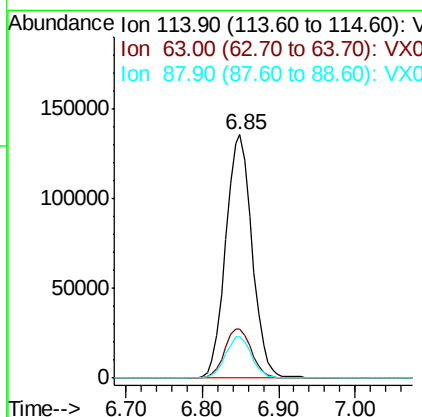
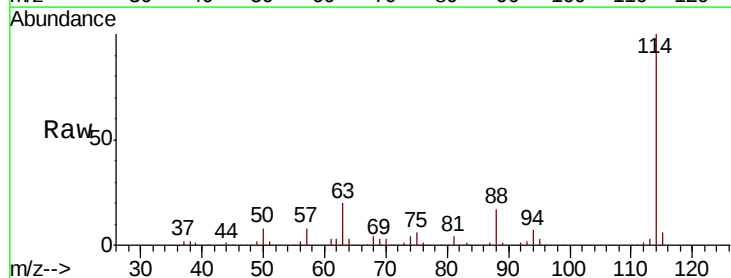
Manual Integrations
 APPROVED

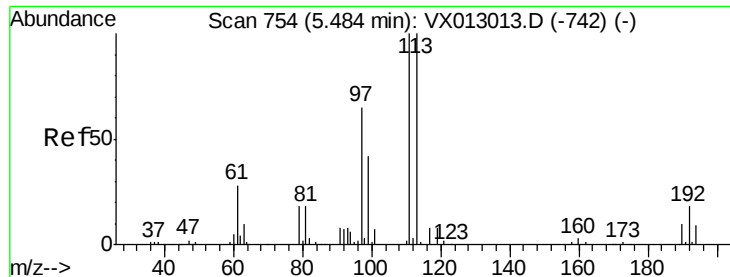
MMDadoda
 10/15/2019 11:04:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	17.0	0.0	33.8





#35

Dibromofluoromethane

Concen: 52.009 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

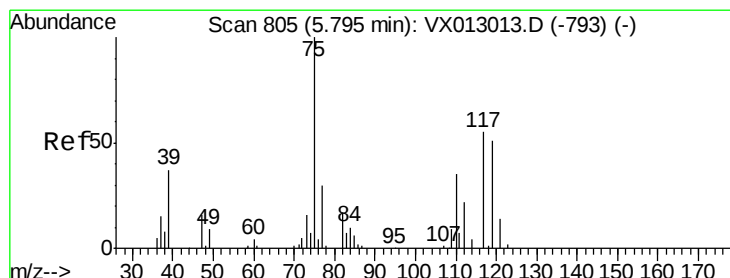
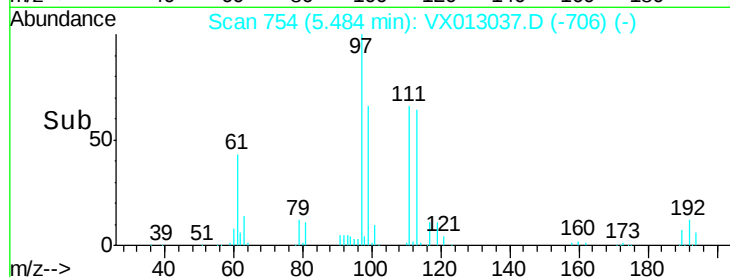
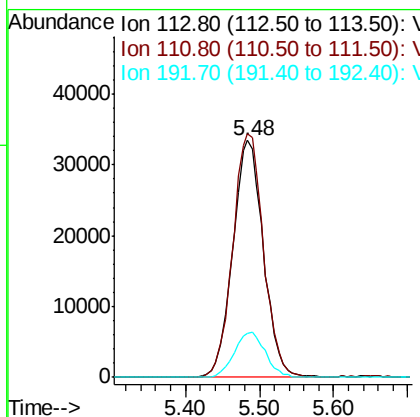
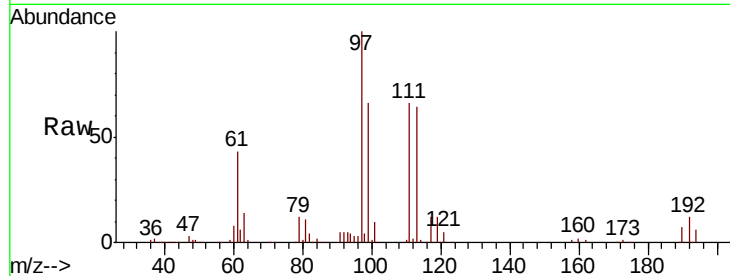
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	96429
Ion Ratio	Lower	Upper	
113	100		
111	102.9	83.2	124.8
192	19.2	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#36

1,1-Dichloropropene

Concen: 48.678 ug/l

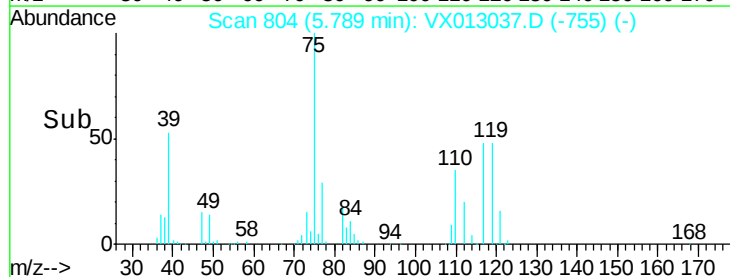
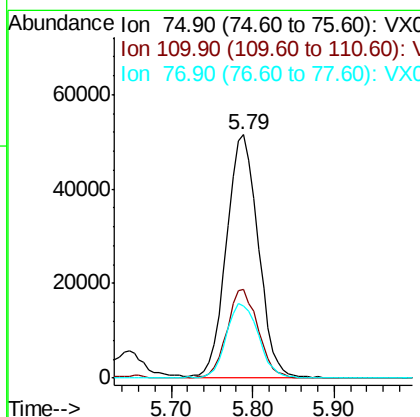
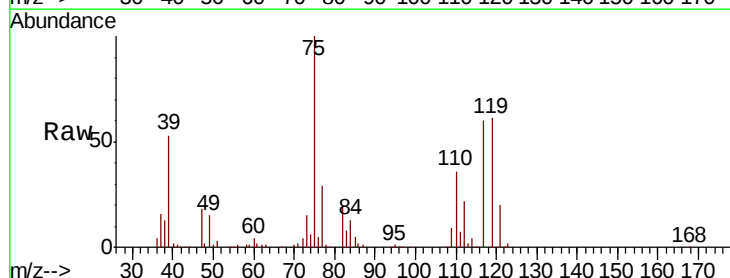
RT: 5.79 min Scan# 804

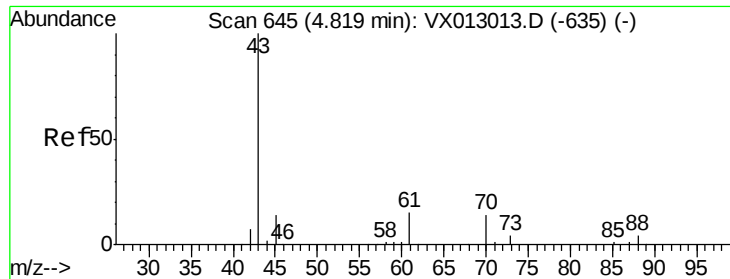
Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion:	75	Resp:	138254
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.6	52.9
77	31.4	24.4	36.6





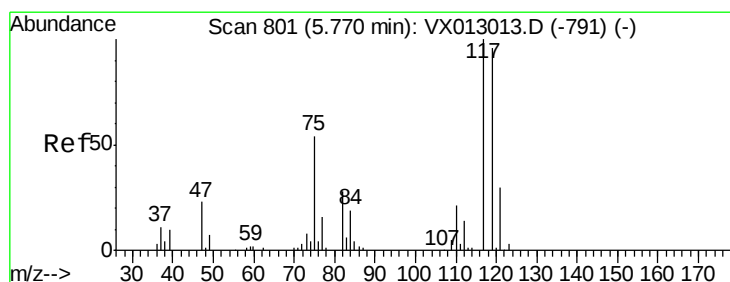
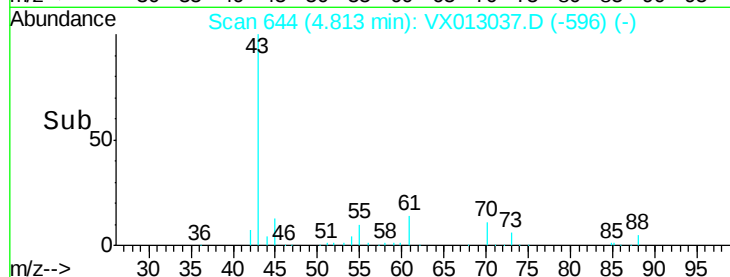
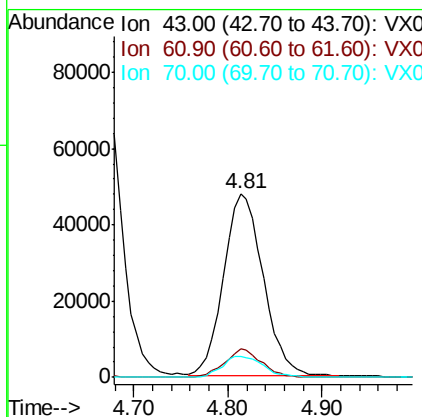
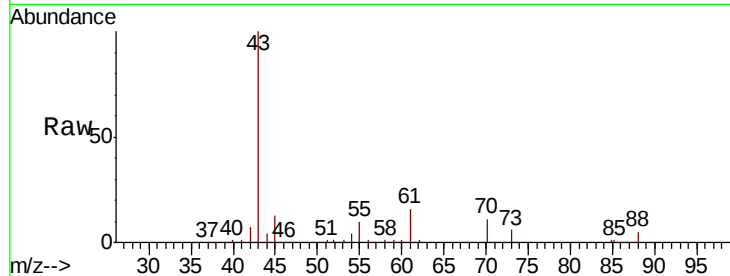
#37
Ethyl Acetate
Concen: 43.929 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	12.3	9.8	14.6

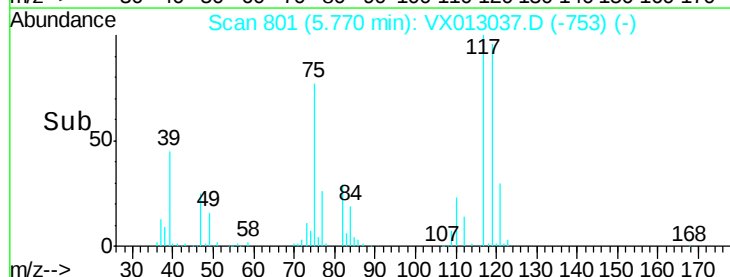
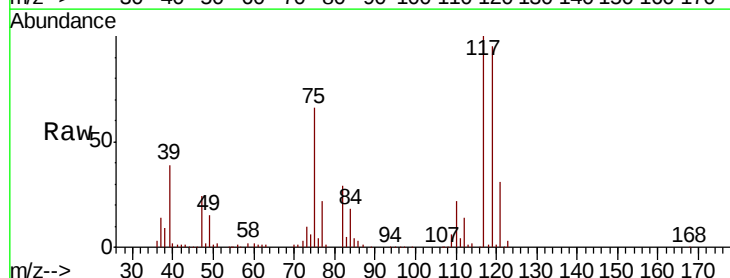
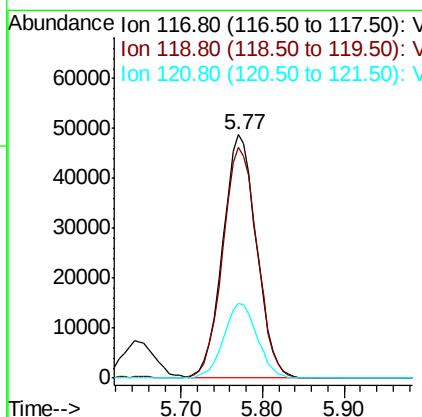
Manual Integrations
APPROVED

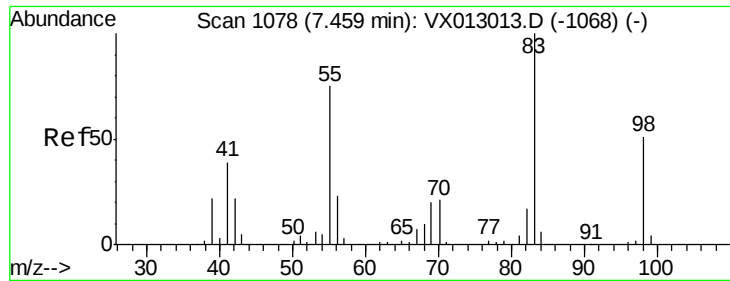
MMDadoda
10/15/2019 11:04:14 AM



#38
Carbon Tetrachloride
Concen: 50.517 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.5	111.7
121	30.7	24.2	36.4





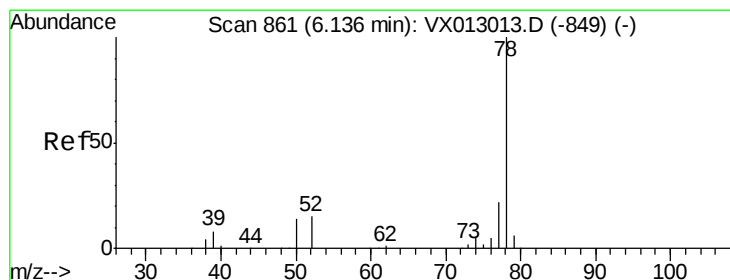
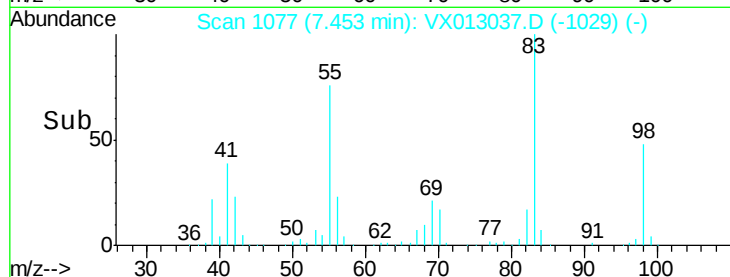
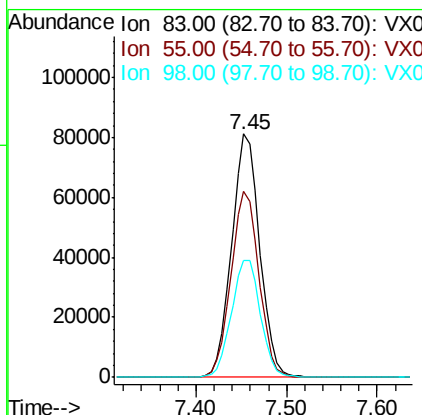
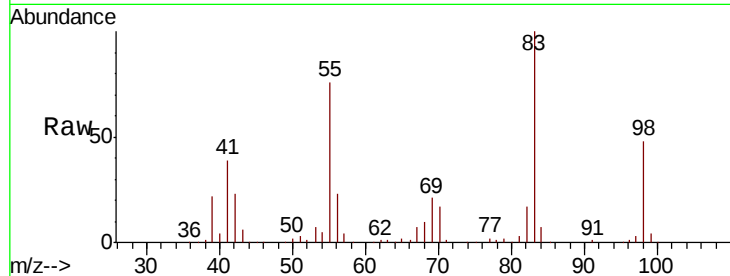
#39
Methvlcvclohexane
Concen: 50.709 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.5	60.2	90.4	
98	48.1	38.5	57.7	

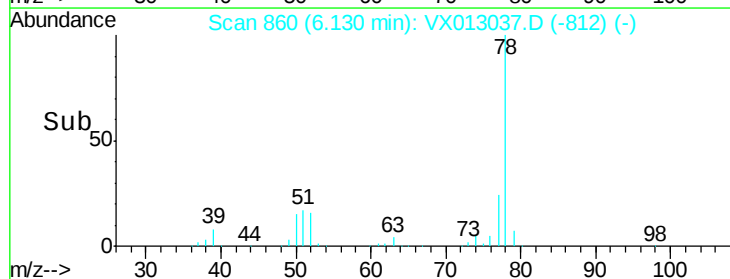
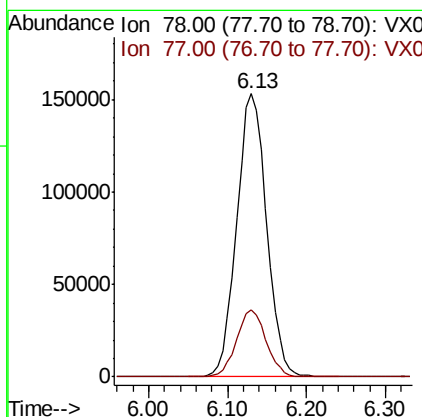
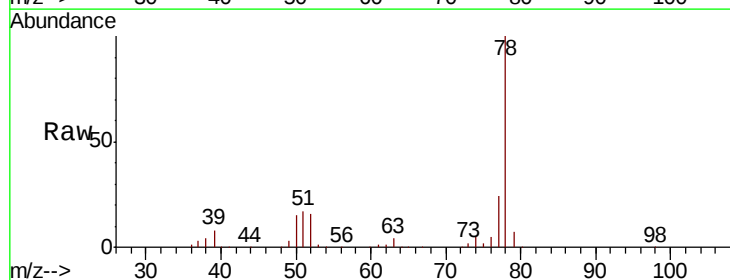
Manual Integrations
APPROVED

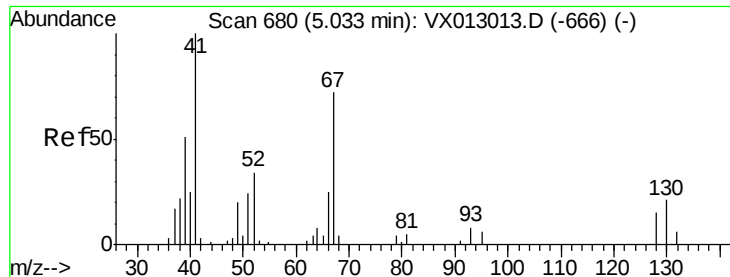
MMDadoda
10/15/2019 11:04:14 AM



#40
Benzene
Concen: 48.218 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





#41

Methacrylonitrile

Concen: 45.078 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

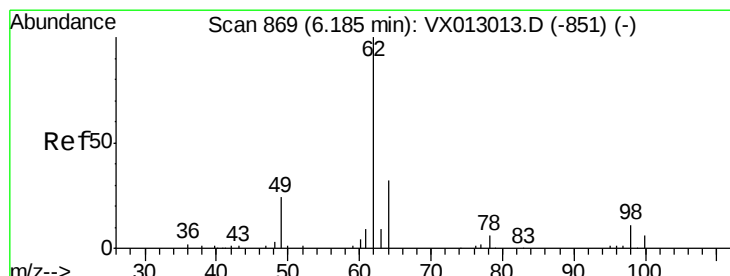
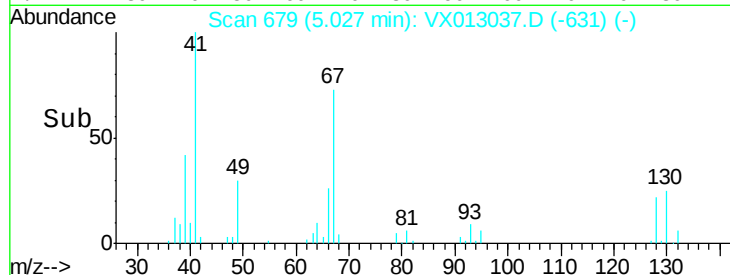
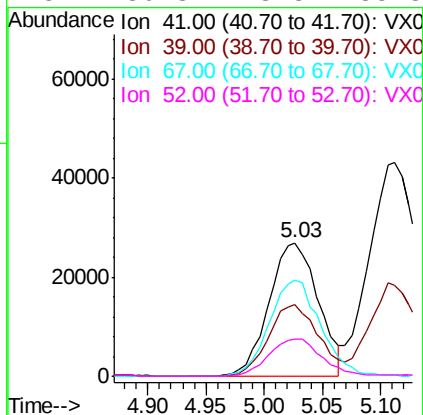
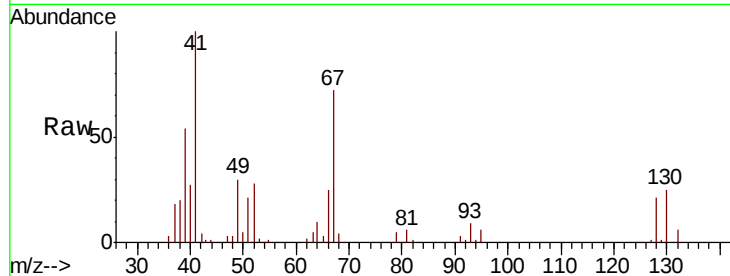
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	44.0	66.0	
67	75.2	58.5	87.7	
52	30.3	23.8	35.8	

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#42

1,2-Dichloroethane

Concen: 48.584 ug/l

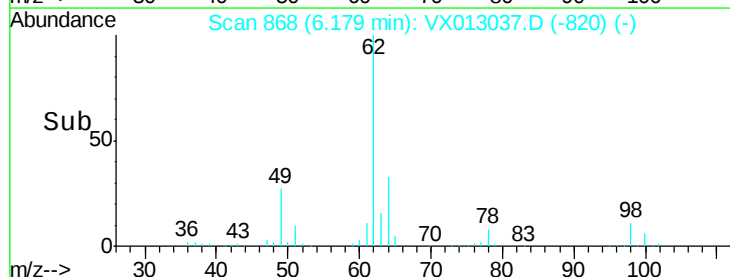
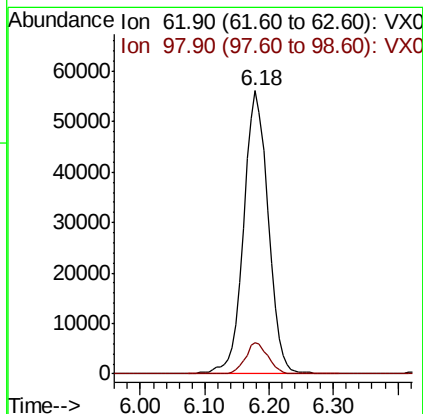
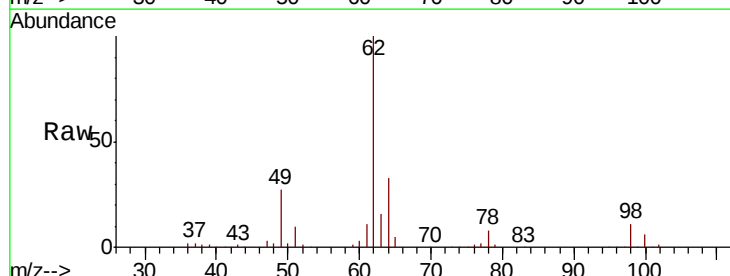
RT: 6.18 min Scan# 868

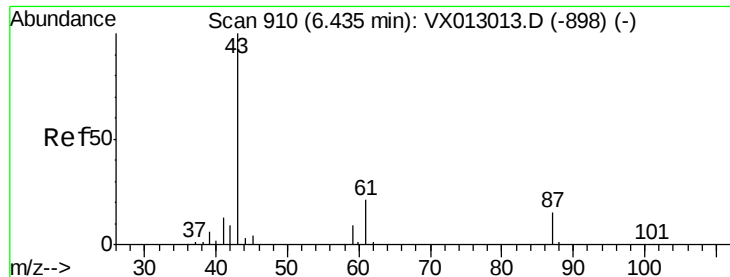
Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

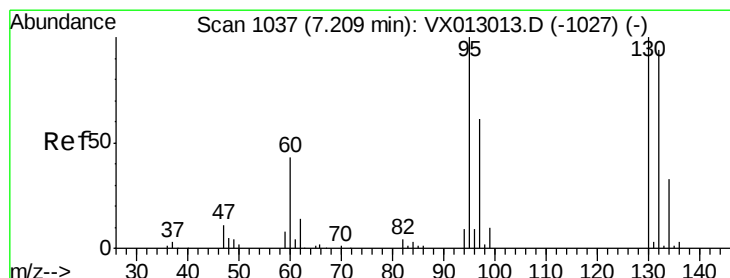
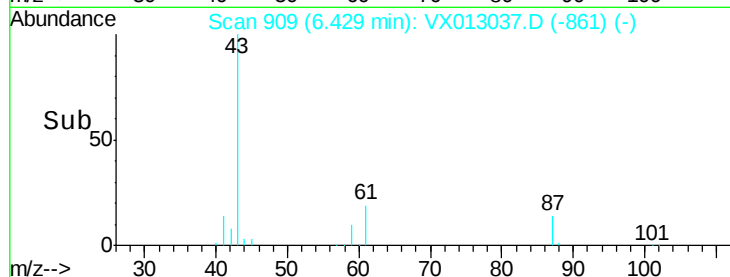
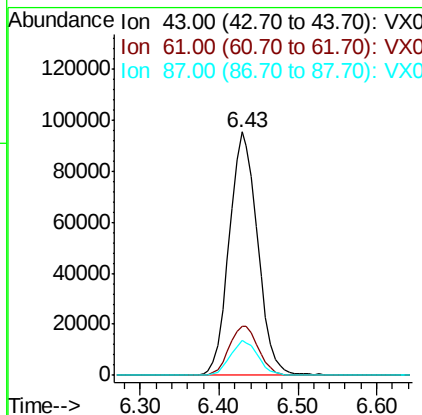
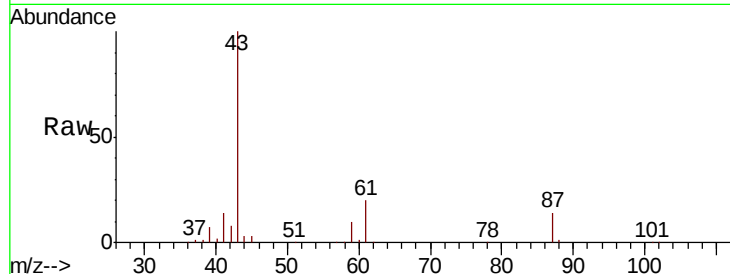
Isopropyl Acetate
 Concen: 46.629 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.0	11.0	16.6

Manual Integrations
 APPROVED

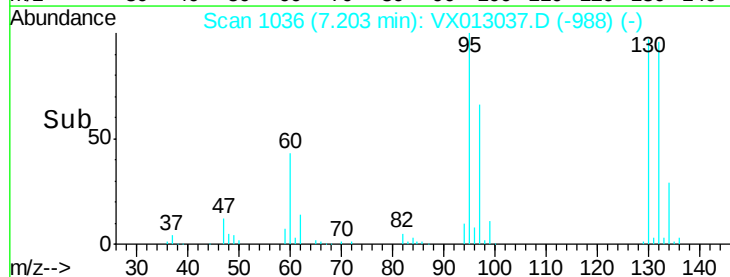
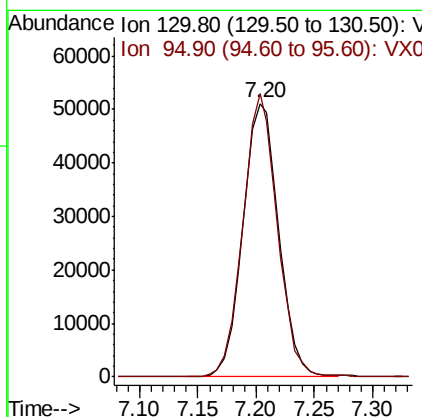
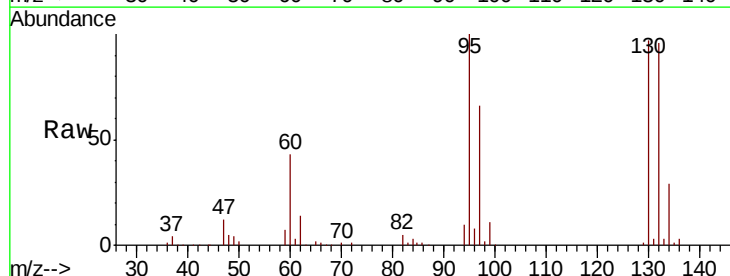
MMDadoda
 10/15/2019 11:04:14 AM

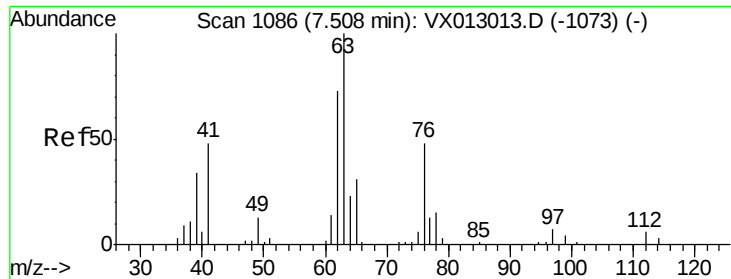


#44

Trichloroethene
 Concen: 47.030 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	189.2





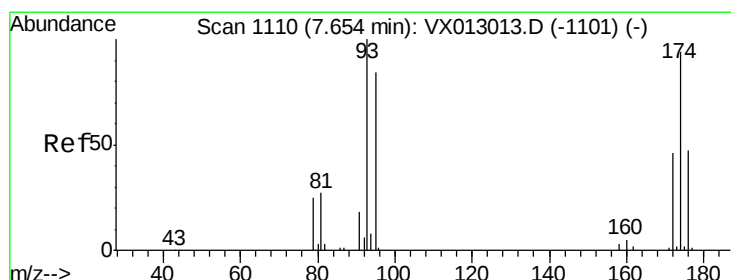
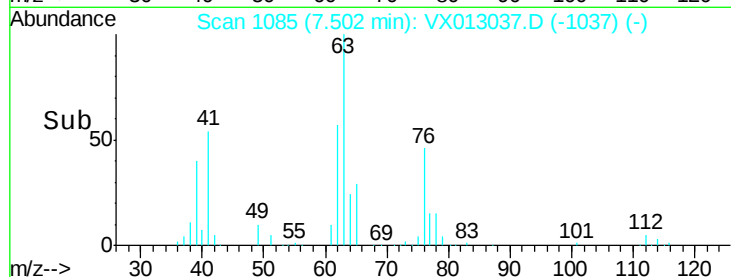
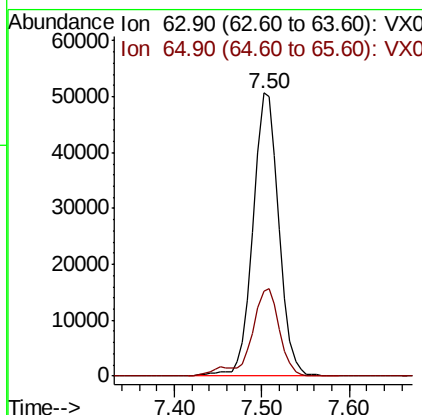
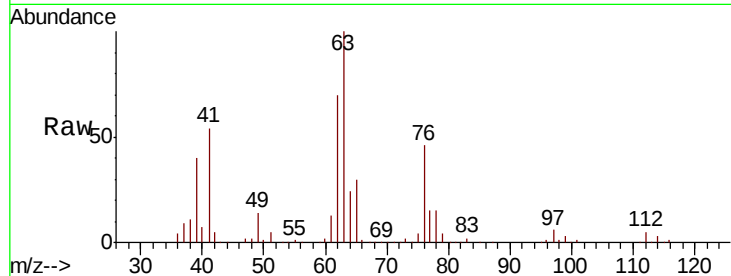
#45
 1,2-Dichloropropane
 Concen: 48.538 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 103773
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

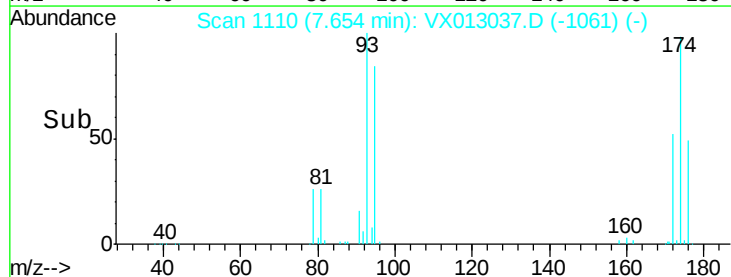
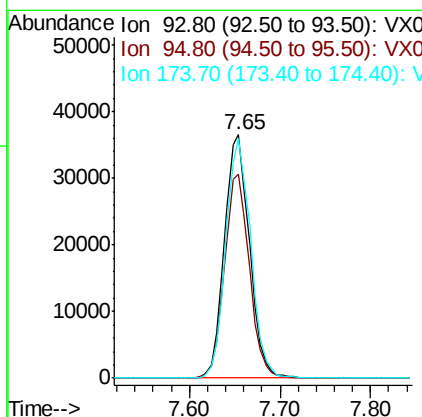
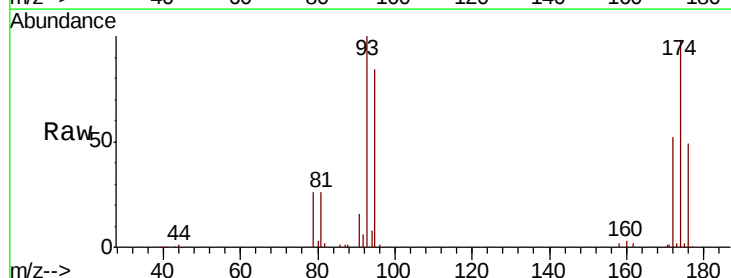
Manual Integrations
 APPROVED

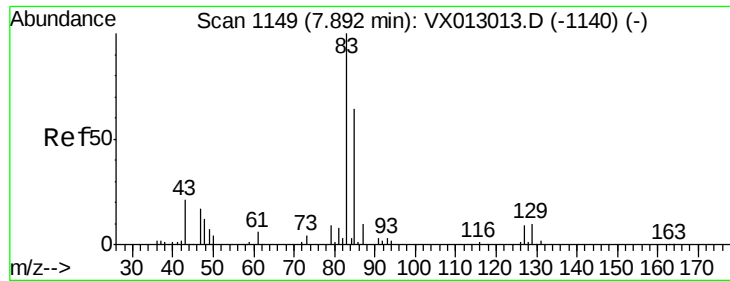
MMDadoda
 10/15/2019 11:04:14 AM



#46
 Dibromomethane
 Concen: 49.296 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion: 93 Resp: 70219
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.3 99.5
 174 98.3 77.8 116.6





#47

Bromodichloromethane

Concen: 51.237 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

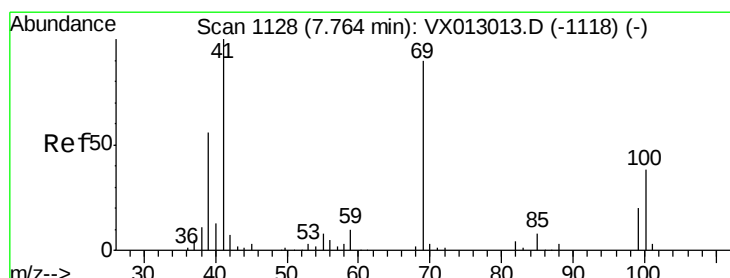
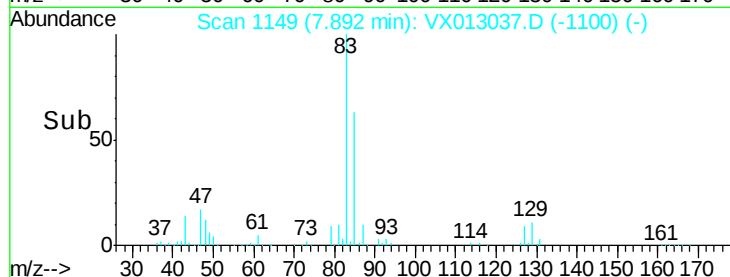
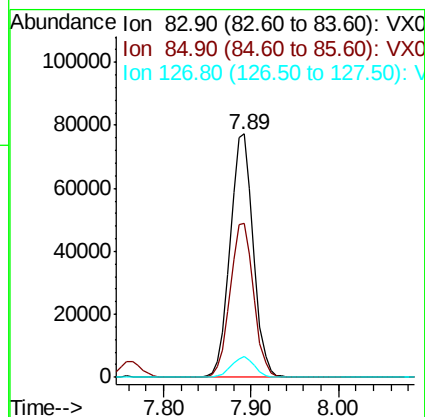
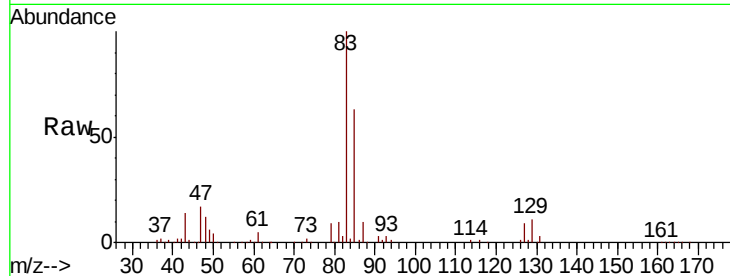
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142429
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6
127	8.7	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#48

Methyl methacrylate

Concen: 46.307 ug/l

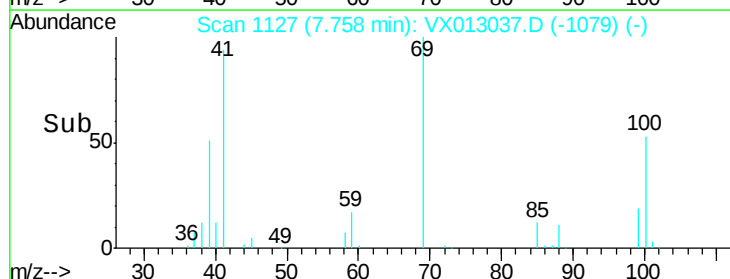
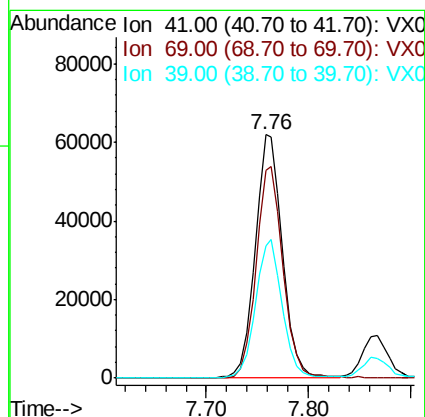
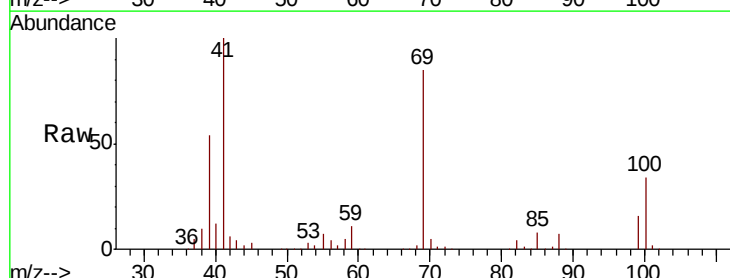
RT: 7.76 min Scan# 1127

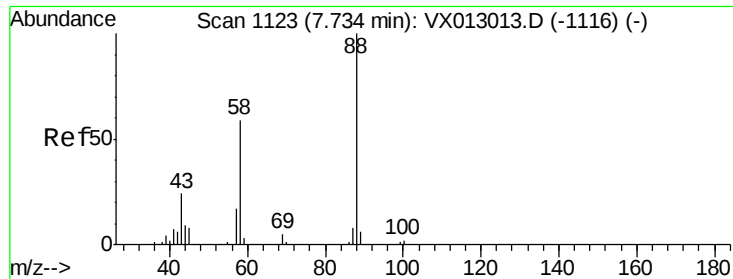
Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion:	41	Resp:	115028
Ion	Ratio	Lower	Upper
41	100		
69	86.1	68.7	103.1
39	56.0	44.3	66.5





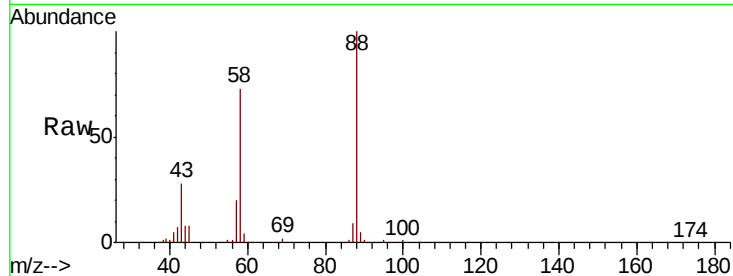
#49
1,4-Dioxane
Concen: 800.359 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

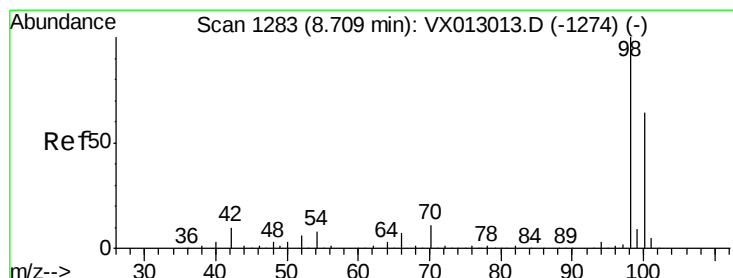
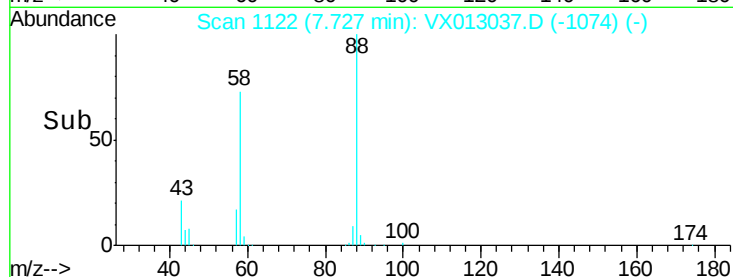
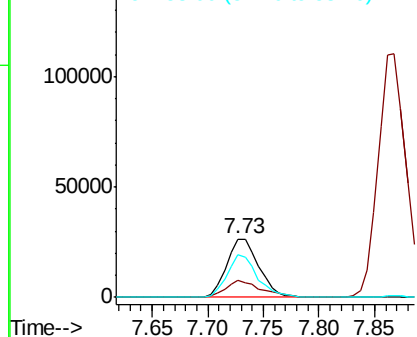
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.6
58	69.6	55.4	83.2

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM

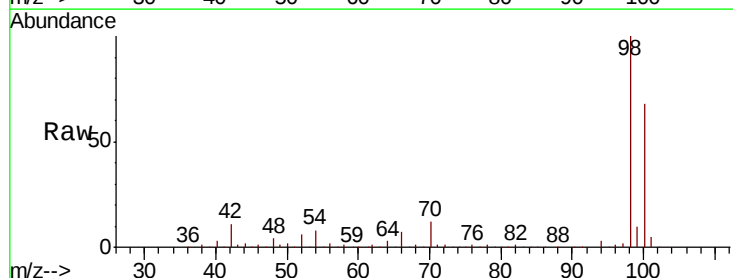


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

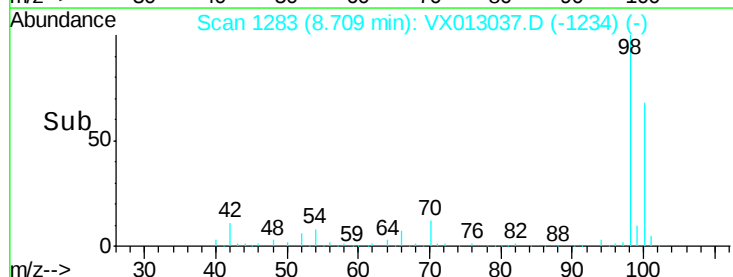
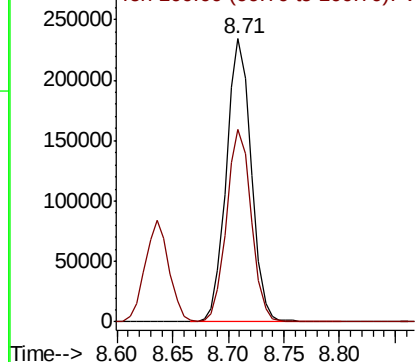


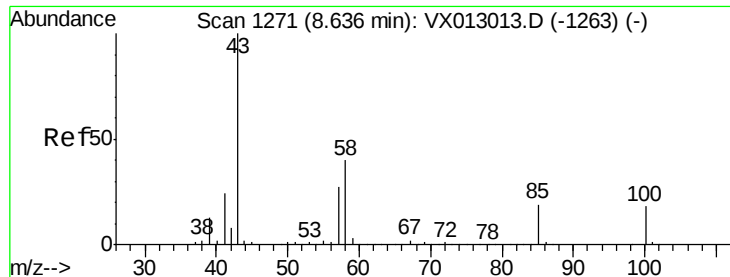
#50
Toluene-d8
Concen: 50.099 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 226.633 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 720264

Ion Ratio Lower Upper

43 100

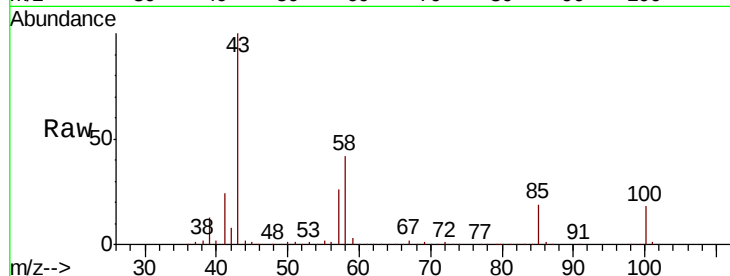
58 41.0 32.4 48.6

Manual Integrations

APPROVED

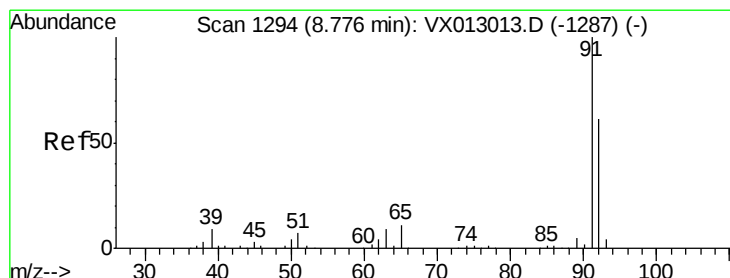
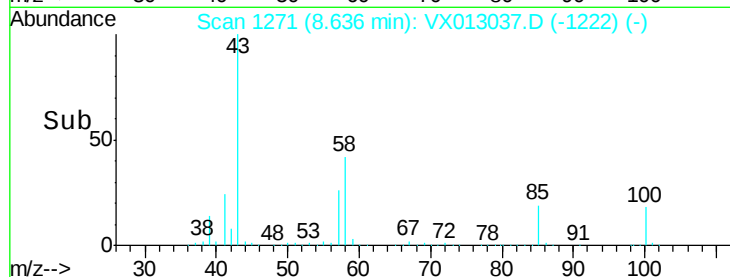
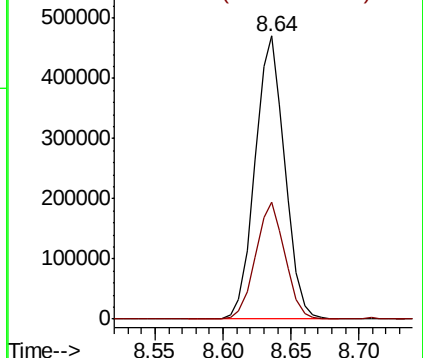
MMDadoda

10/15/2019 11:04:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.685 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013037.D

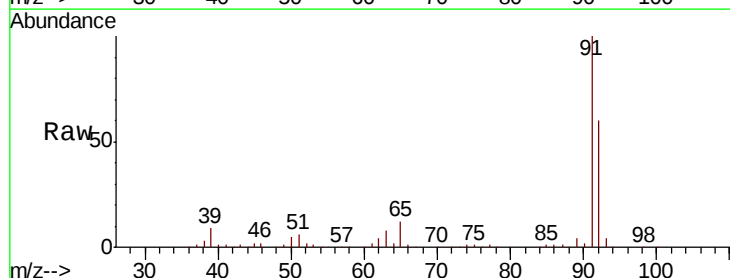
Acq: 14 Oct 2019 09:19

Tgt Ion: 92 Resp: 261272

Ion Ratio Lower Upper

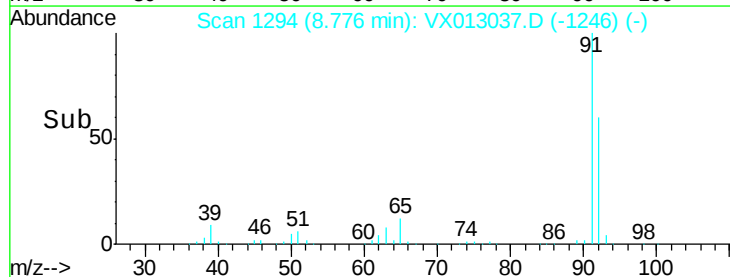
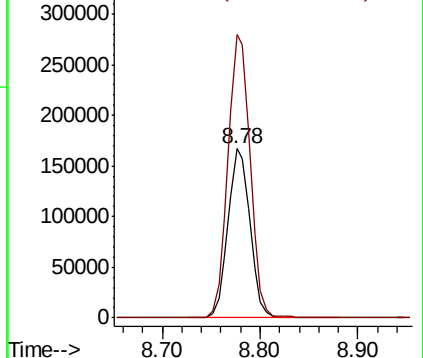
92 100

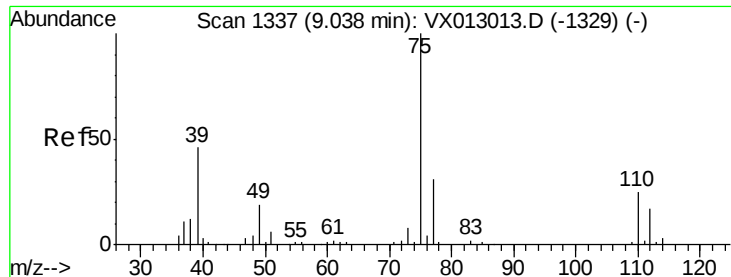
91 169.0 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





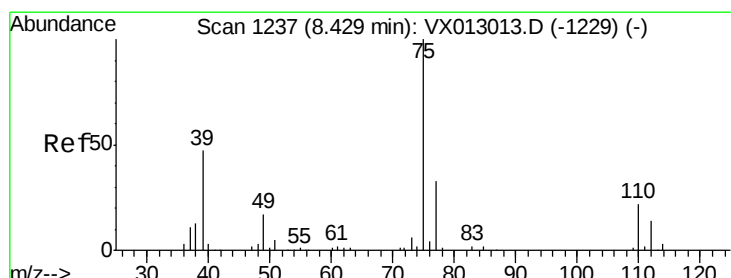
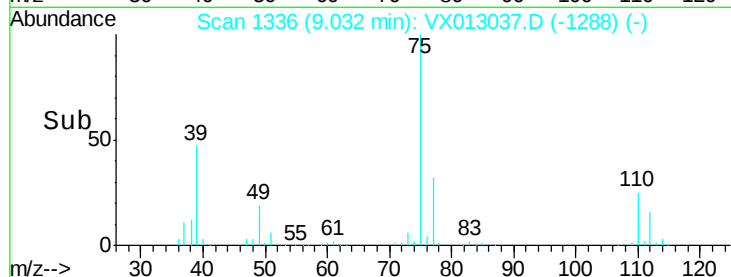
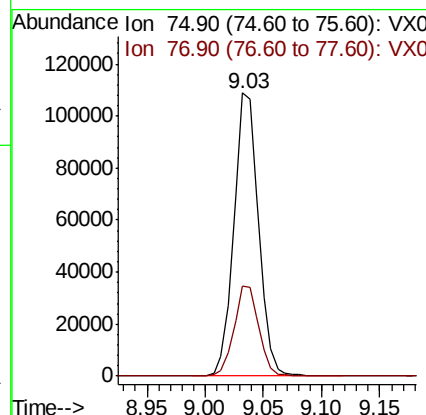
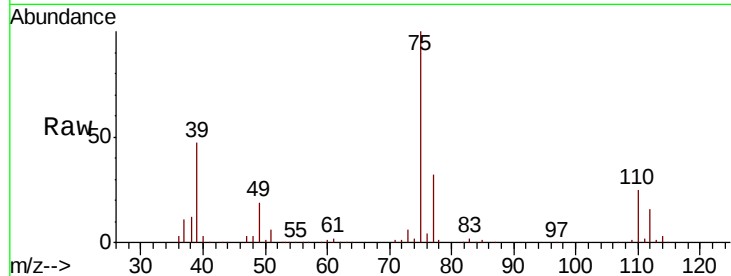
#53
t-1,3-Dichloropropene
Concen: 46.411 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 160440
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

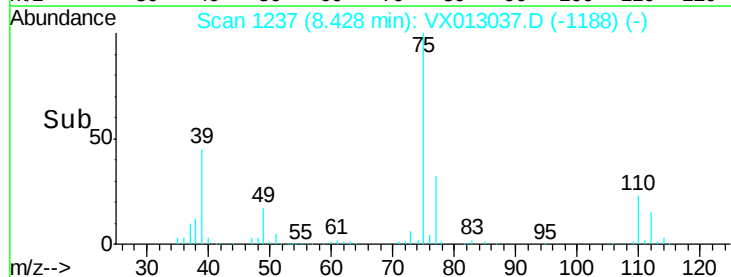
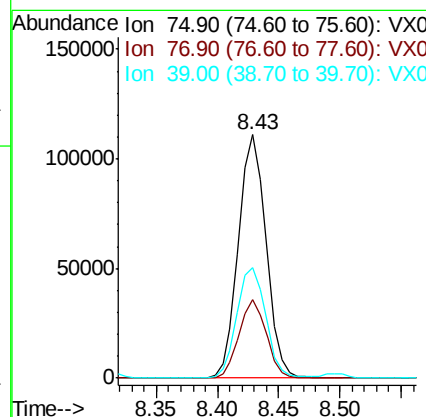
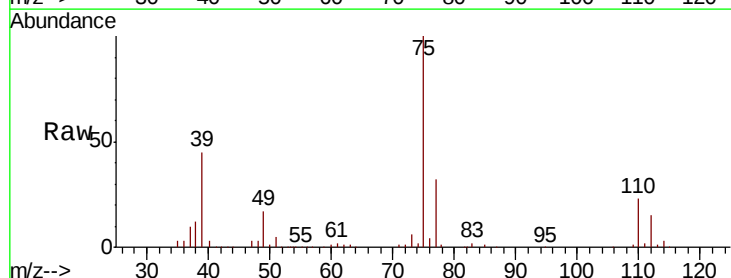
Manual Integrations
APPROVED

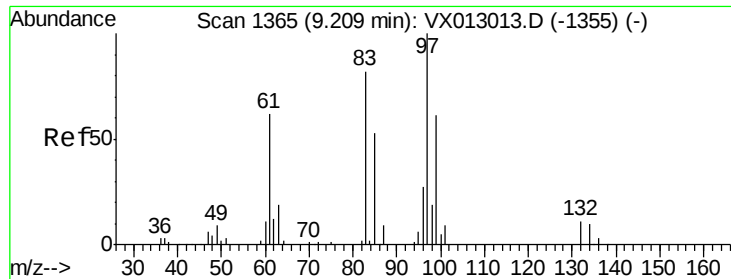
MMDadoda
10/15/2019 11:04:14 AM



#54
cis-1,3-Dichloropropene
Concen: 50.983 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion: 75 Resp: 174305
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
39 45.2 38.2 57.2





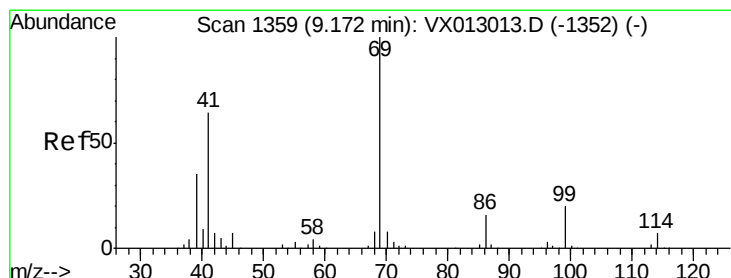
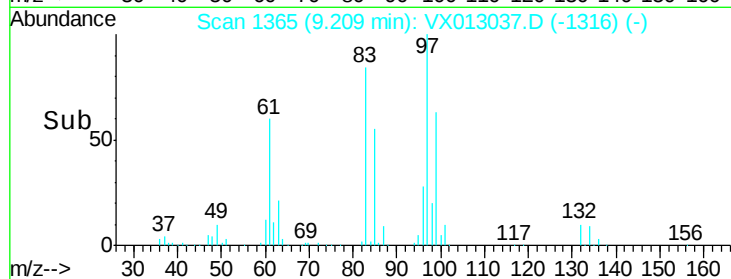
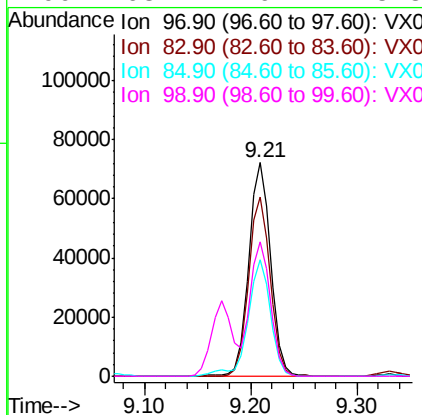
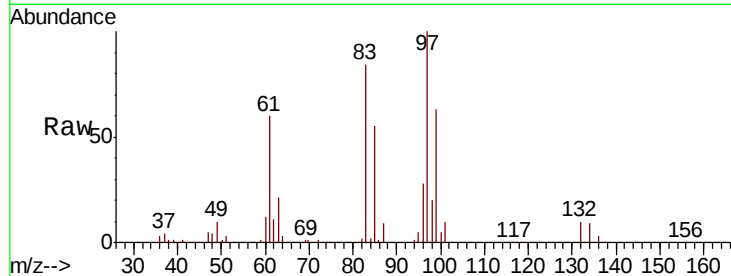
#55
 1,1,2-Trichloroethane
 Concen: 49.044 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104161
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.5	99.7
85	54.7	43.1	64.7
99	63.1	49.2	73.8

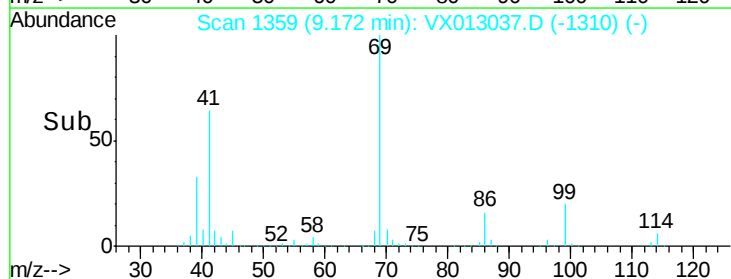
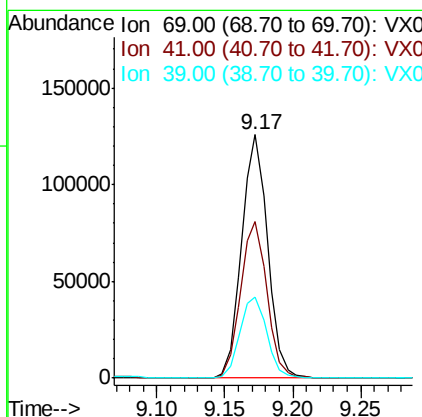
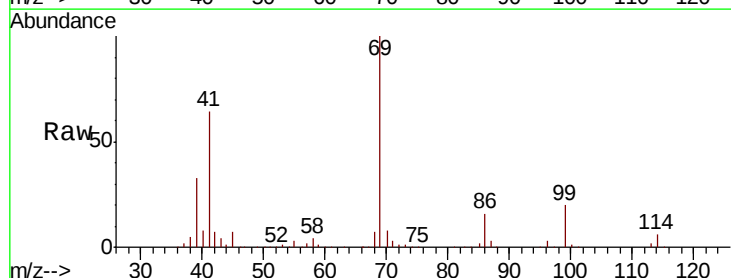
Manual Integrations
 APPROVED

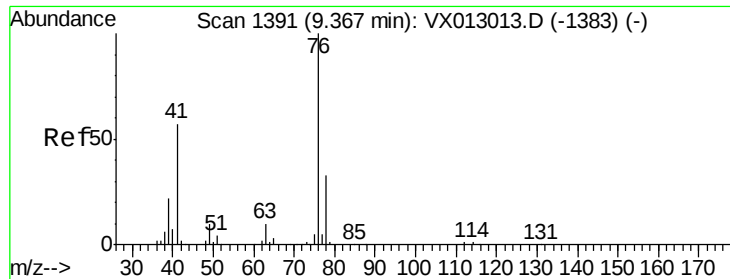
MMDadoda
 10/15/2019 11:04:14 AM



#56
 Ethyl methacrylate
 Concen: 44.456 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion:	69	Resp:	168267
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.1	78.1
39	34.7	27.8	41.8





#57

1,3-Dichloropropane

Concen: 47.625 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 174966

Ion Ratio Lower Upper

76 100

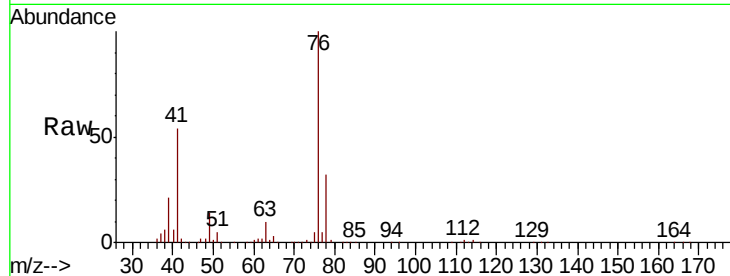
78 33.0 26.1 39.1

Manual Integrations

APPROVED

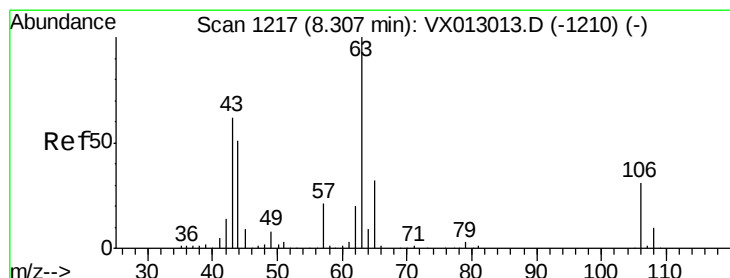
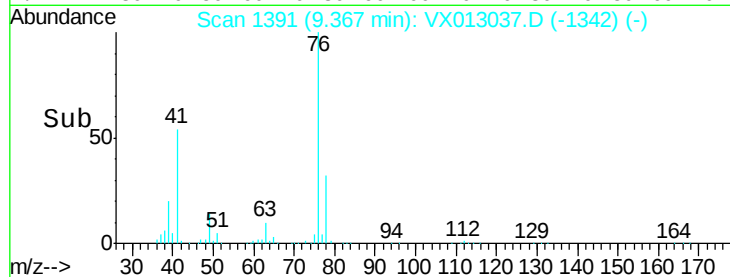
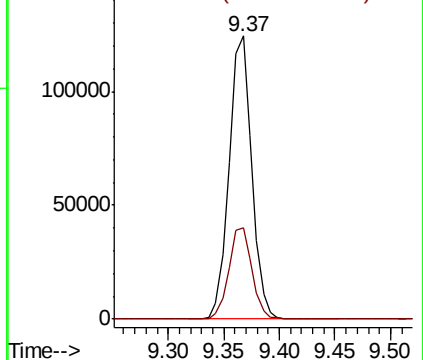
MMDadoda

10/15/2019 11:04:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 250.124 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013037.D

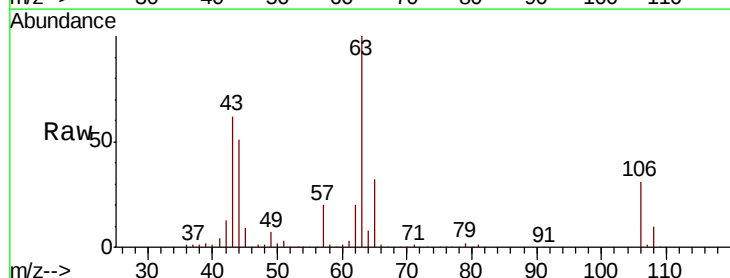
Acq: 14 Oct 2019 09:19

Tgt Ion: 63 Resp: 390243

Ion Ratio Lower Upper

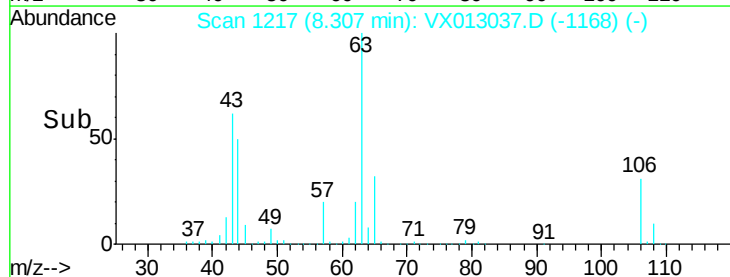
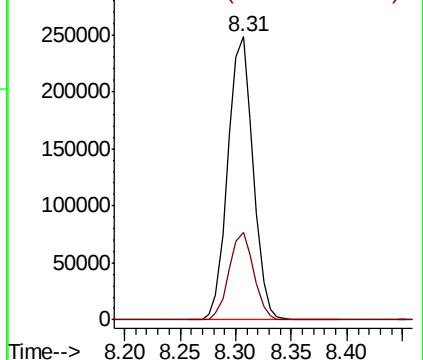
63 100

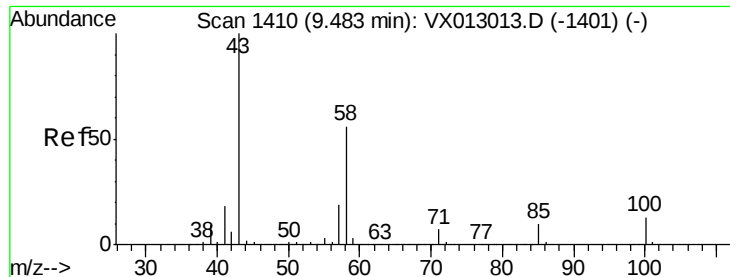
106 30.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





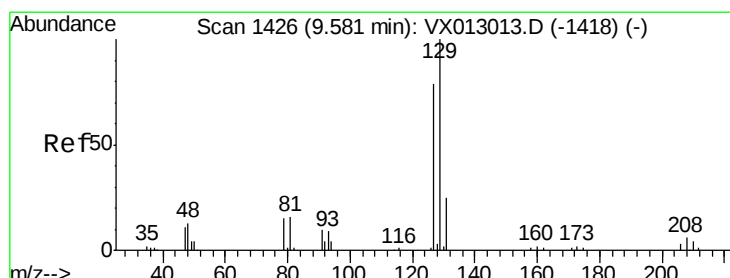
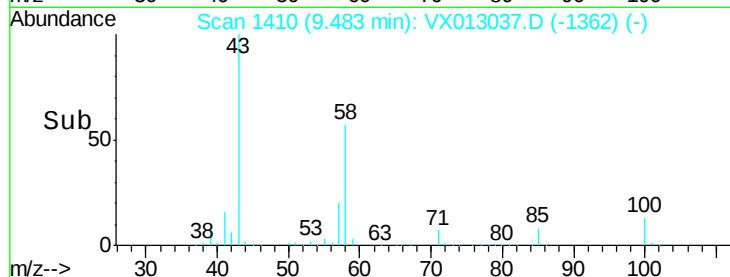
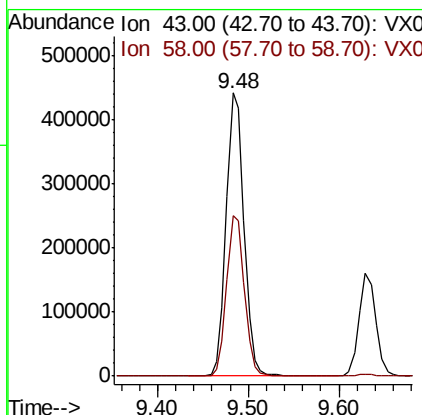
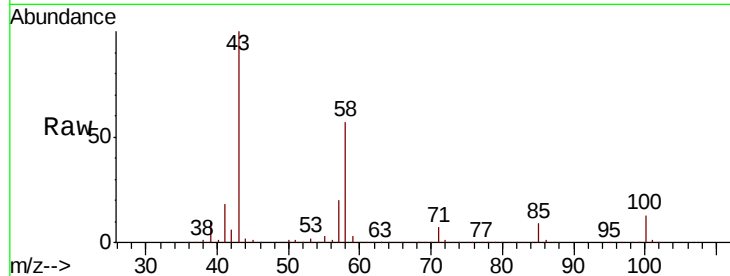
#59
2-Hexanone
Concen: 245.397 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 607100
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3

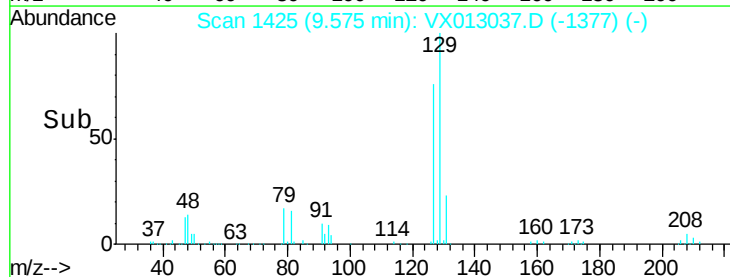
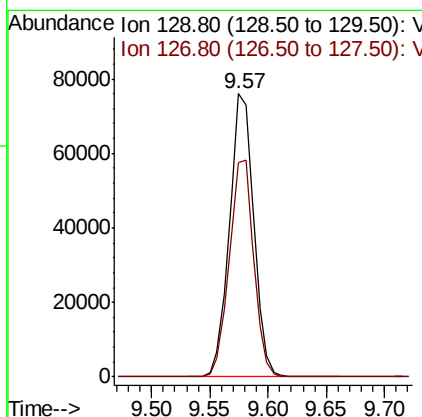
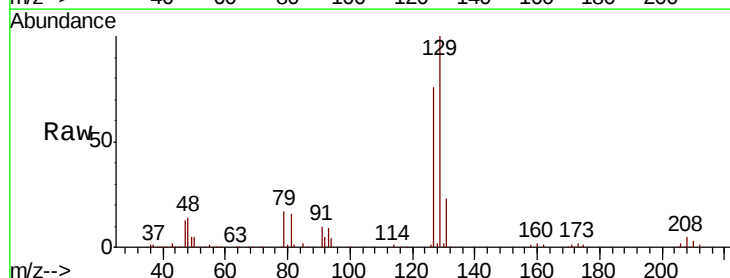
Manual Integrations
APPROVED

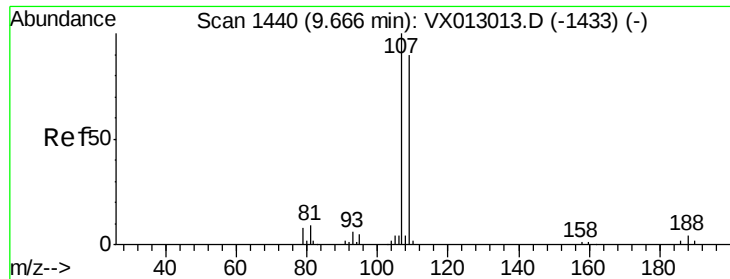
MMDadoda
10/15/2019 11:04:14 AM



#60
Dibromochloromethane
Concen: 46.880 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion: 129 Resp: 110513
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 48.850 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 109139

Ion Ratio Lower Upper

107 100

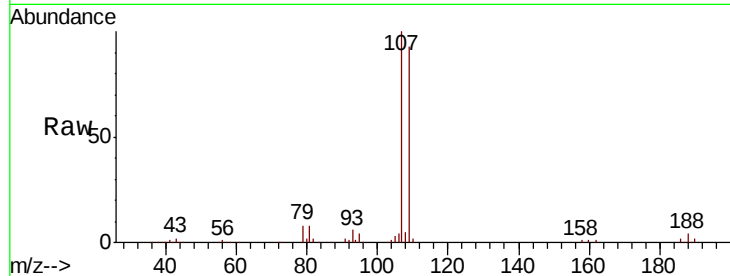
109 93.4 75.8 113.6

Manual Integrations

APPROVED

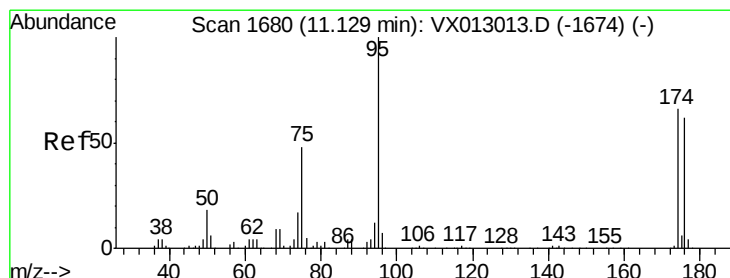
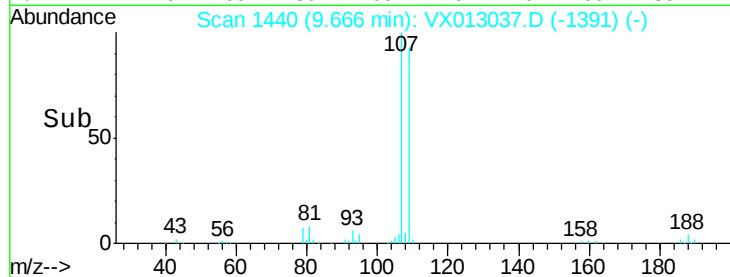
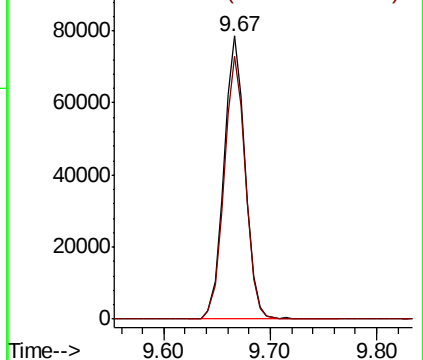
MMDadoda

10/15/2019 11:04:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.369 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

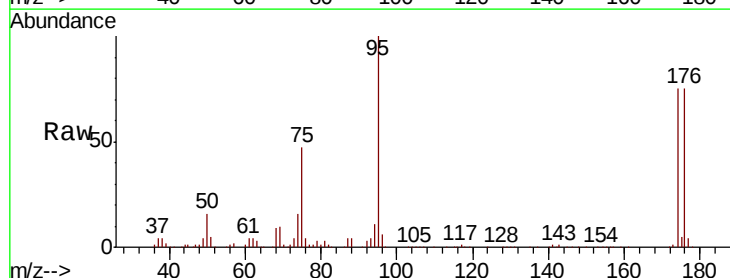
Tgt Ion: 95 Resp: 141528

Ion Ratio Lower Upper

95 100

174 74.5 0.0 143.4

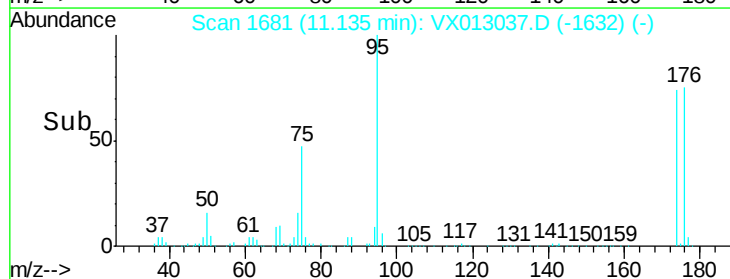
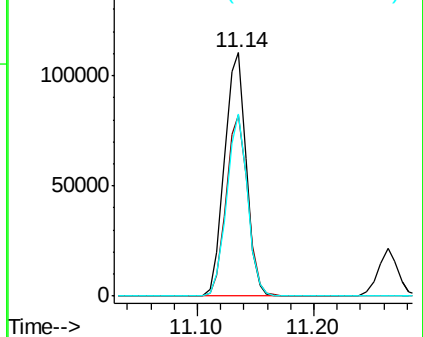
176 72.2 0.0 136.0

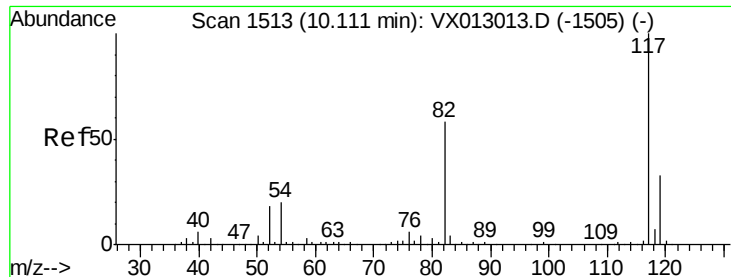


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





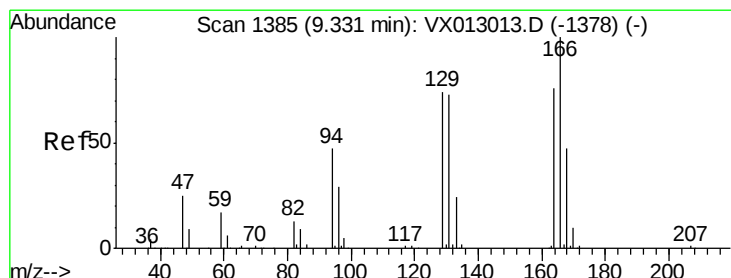
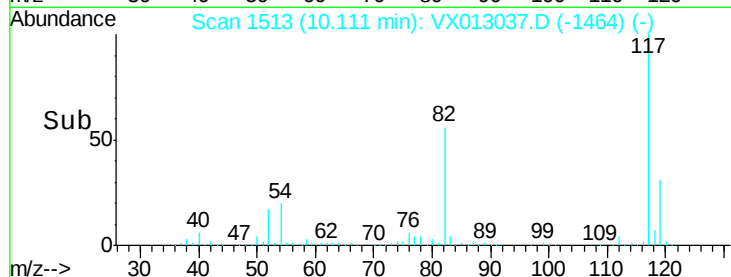
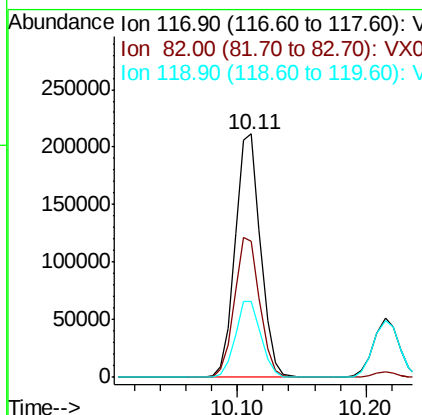
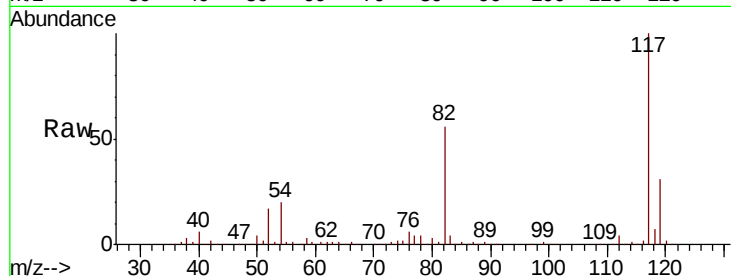
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.1	66.1
119	31.3	25.8	38.8

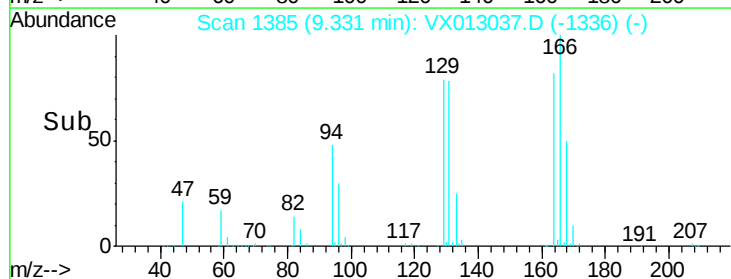
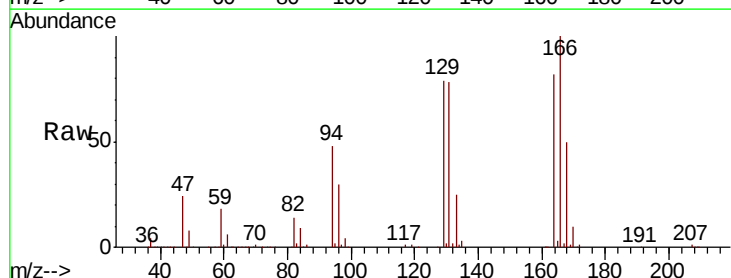
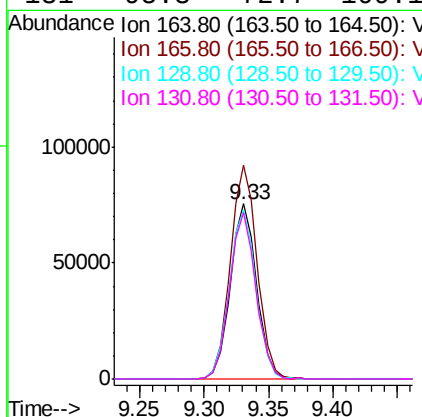
Manual Integrations
APPROVED

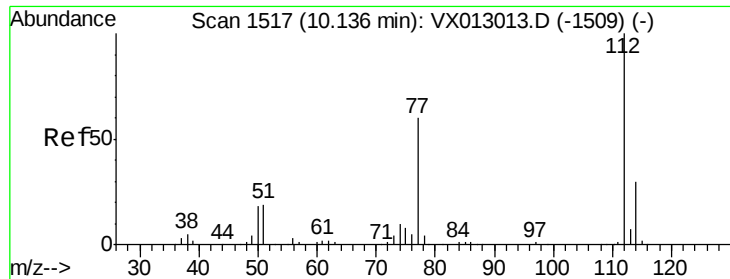
MMDadoda
10/15/2019 11:04:14 AM



#64
Tetrachloroethene
Concen: 53.293 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	96.9	145.3
129	96.7	77.9	116.9
131	95.3	72.7	109.1





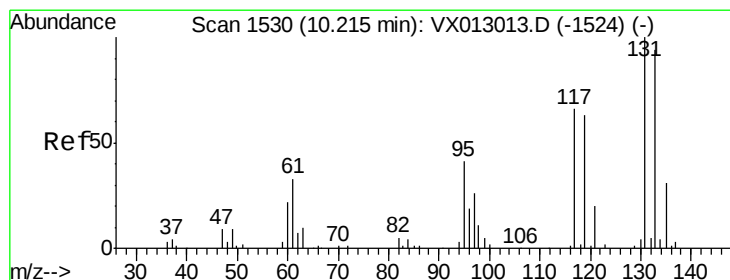
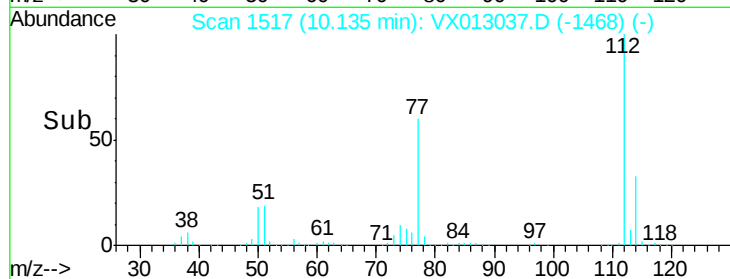
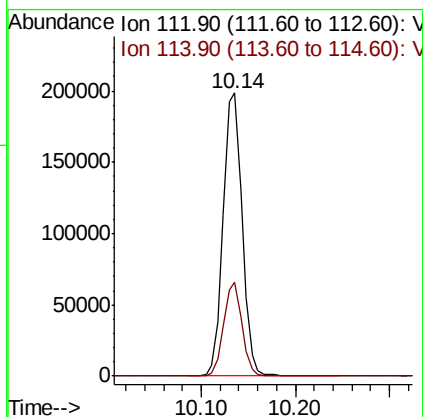
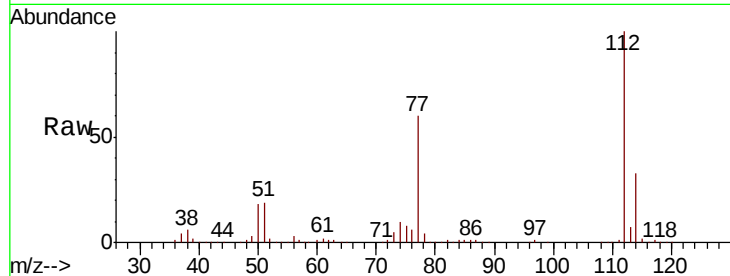
#65
Chlorobenzene
Concen: 48.273 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 278268
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5

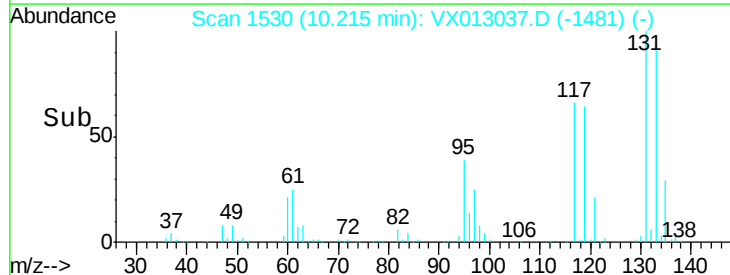
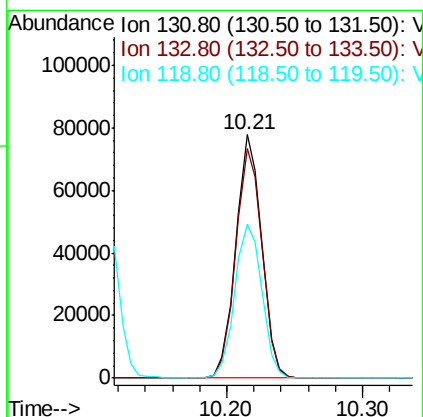
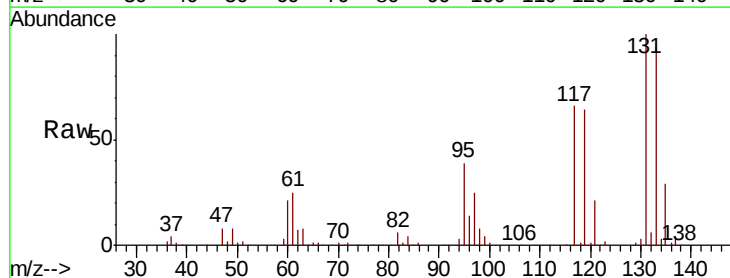
Manual Integrations
APPROVED

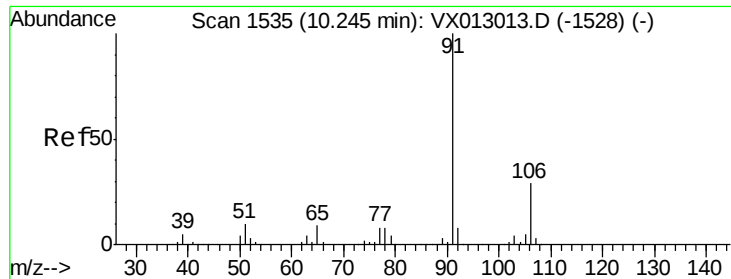
MMDadoda
10/15/2019 11:04:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.437 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion:131 Resp: 102806
Ion Ratio Lower Upper
131 100
133 96.1 47.2 141.6
119 66.4 32.6 98.0





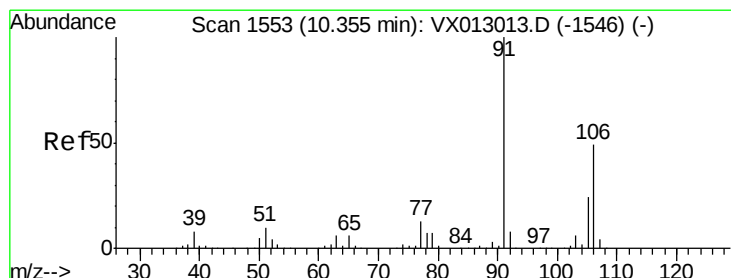
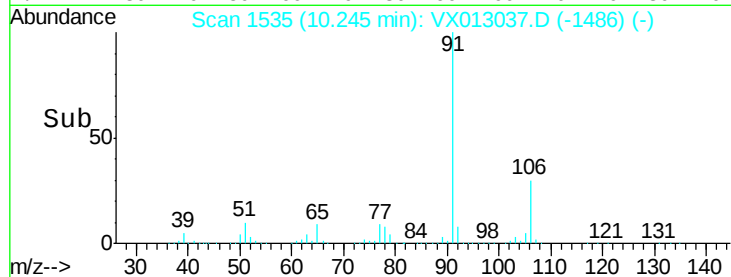
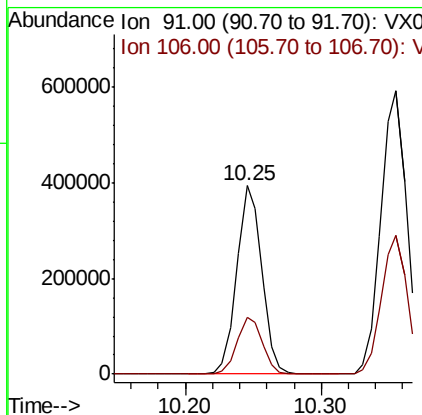
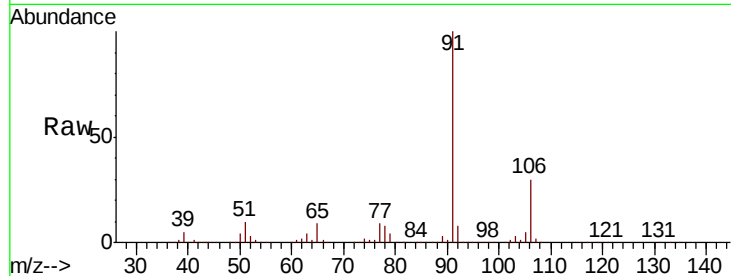
#67
Ethyl Benzene
Concen: 49.237 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 504158
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9

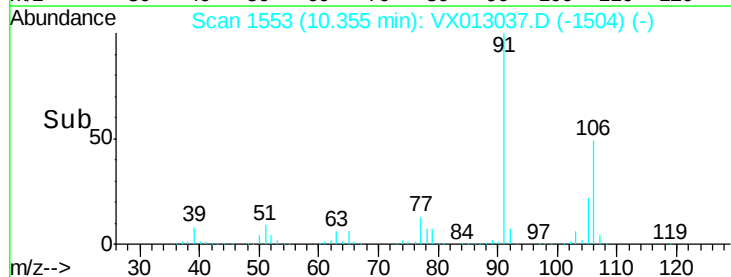
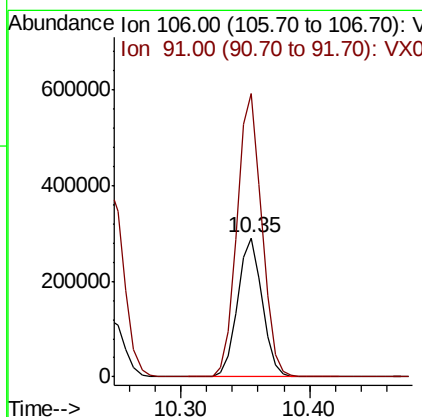
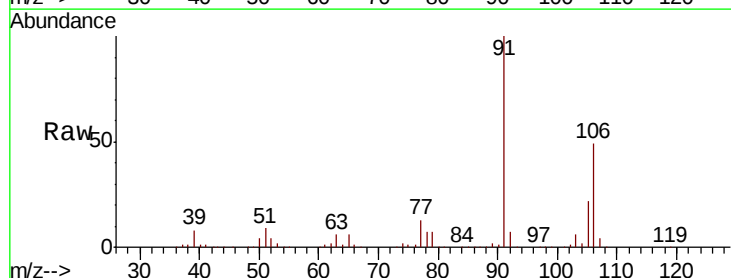
Manual Integrations
APPROVED

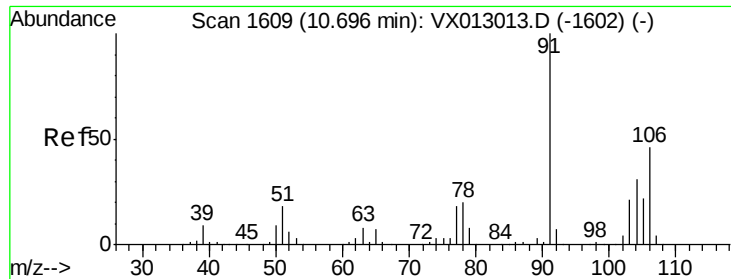
MMDadoda
10/15/2019 11:04:14 AM



#68
m/p-Xylenes
Concen: 100.501 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion: 106 Resp: 384438
Ion Ratio Lower Upper
106 100
91 205.9 165.3 247.9





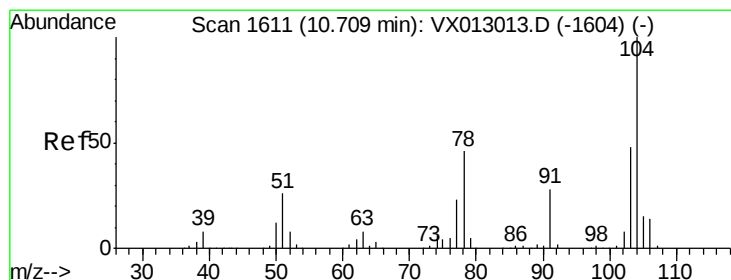
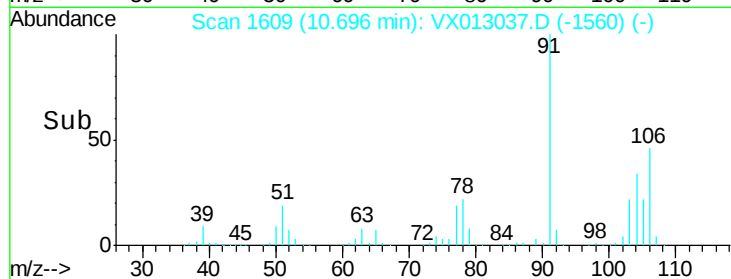
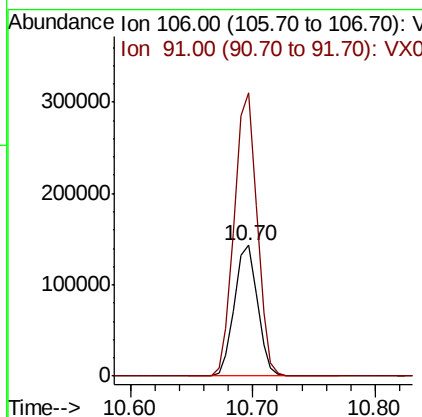
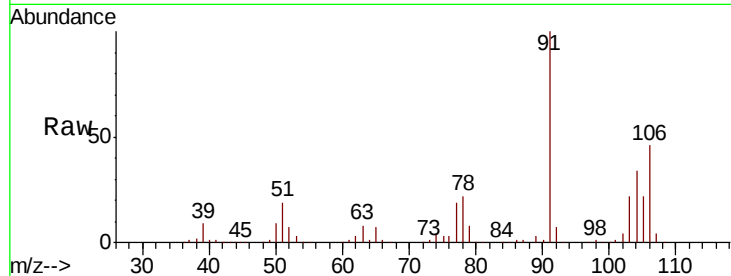
#69
o-Xylene
Concen: 50.018 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	109.1	327.3

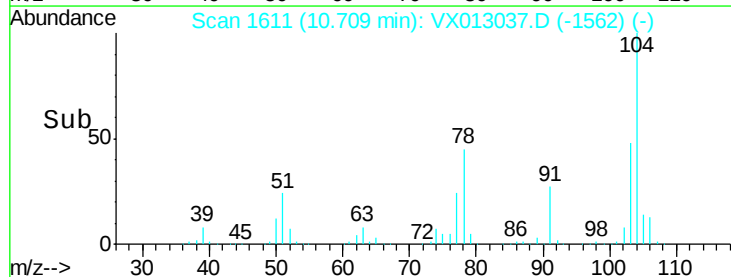
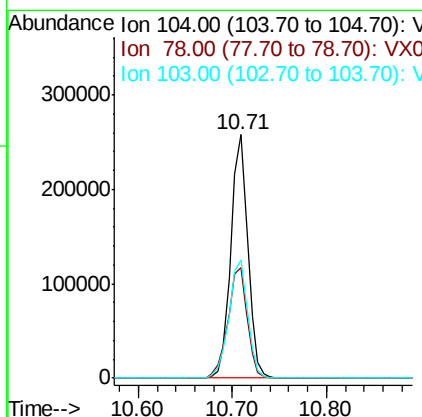
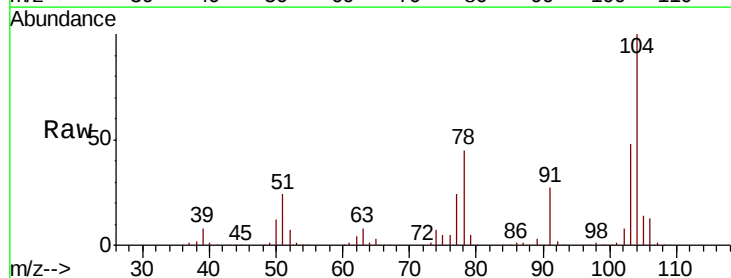
Manual Integrations
APPROVED

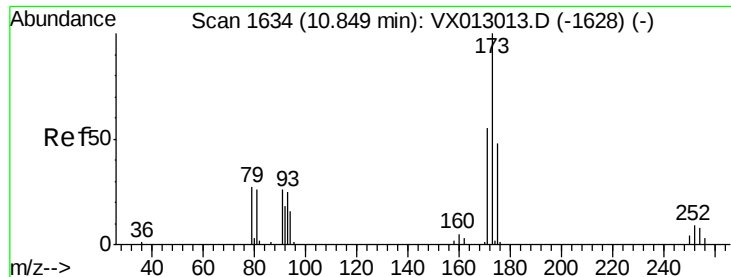
MMDadoda
10/15/2019 11:04:14 AM



#70
Styrene
Concen: 51.205 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.2	61.8
103	53.7	43.0	64.4





#71

Bromoform

Concen: 45.876 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

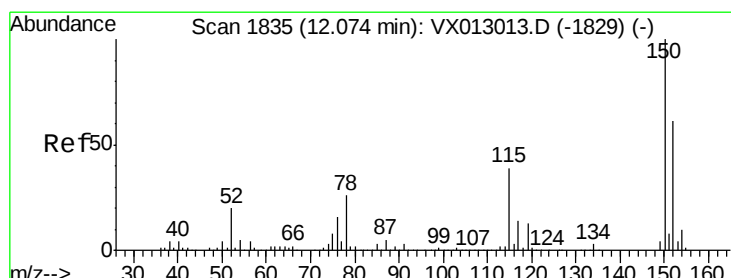
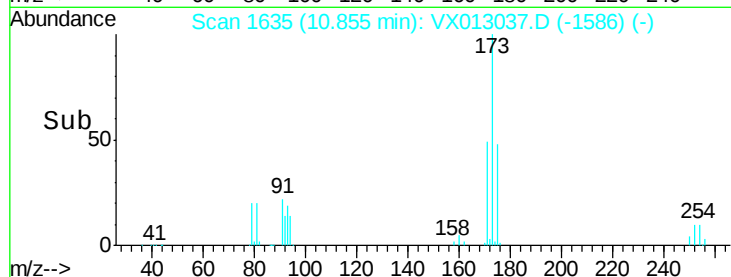
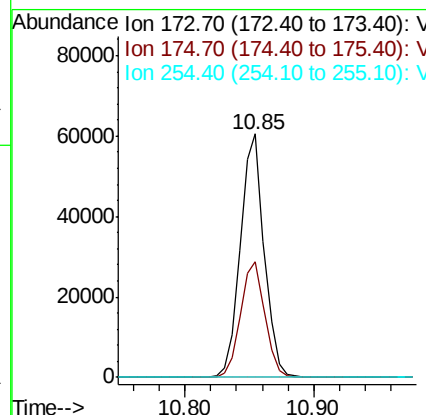
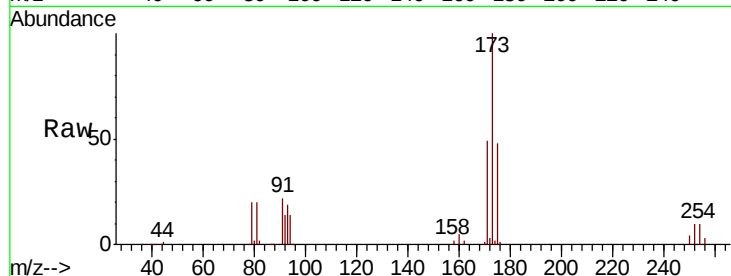
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

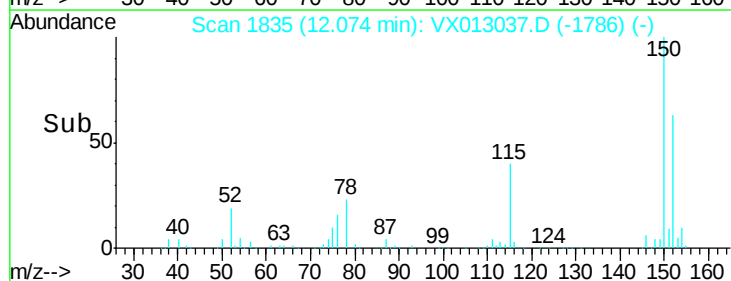
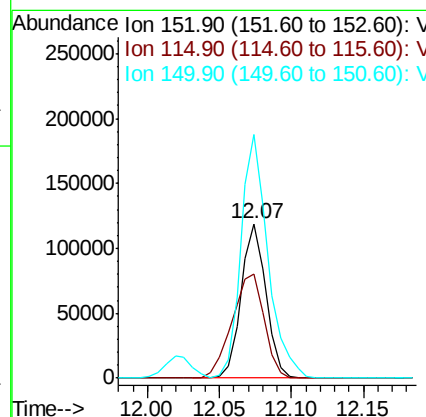
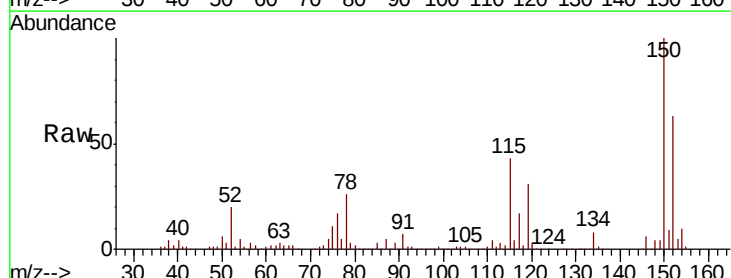
RT: 12.07 min Scan# 1835

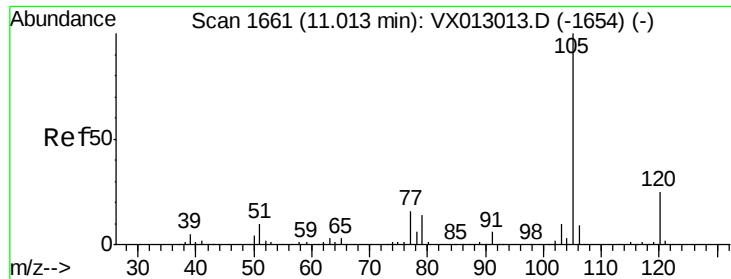
Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.5	133.5
150	172.4	0.0	353.4





#73

Isopropylbenzene

Concen: 48.473 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 505729

Ion Ratio Lower Upper

105 100

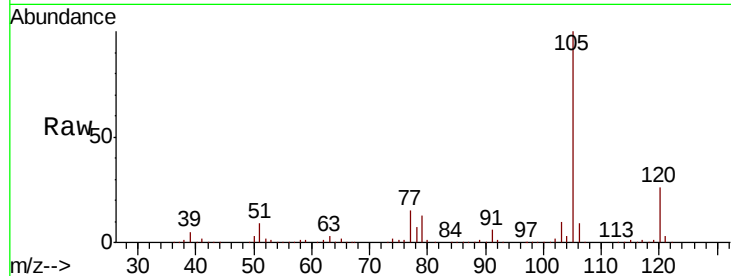
120 25.9 13.0 39.0

Manual Integrations

APPROVED

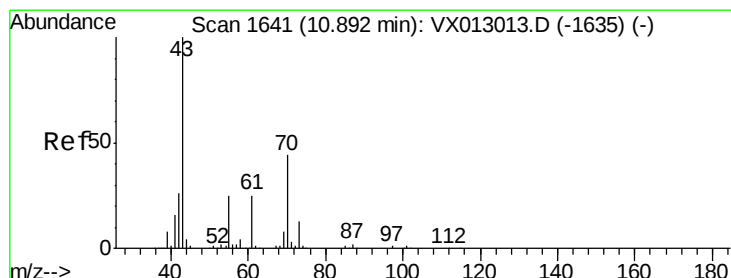
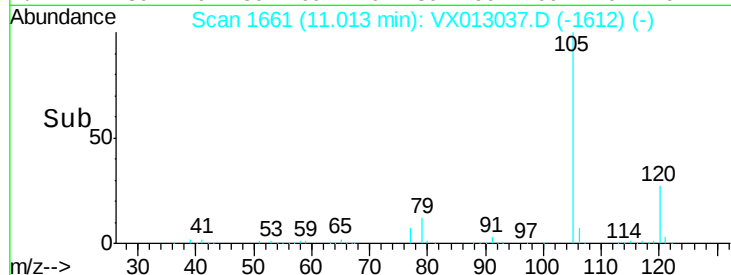
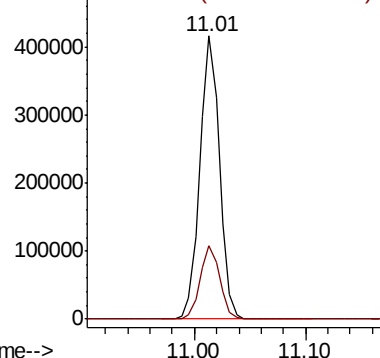
MMDadoda

10/15/2019 11:04:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.507 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion: 43 Resp: 213465

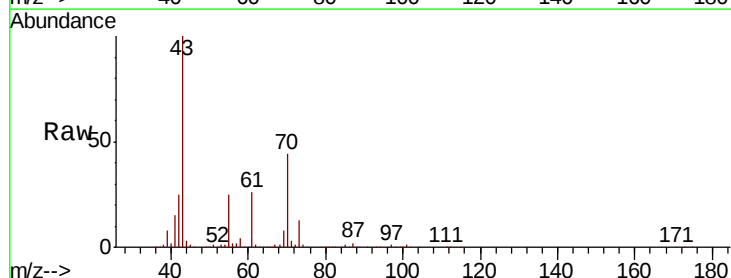
Ion Ratio Lower Upper

43 100

70 44.8 36.4 54.6

55 24.8 20.2 30.2

61 25.3 20.5 30.7

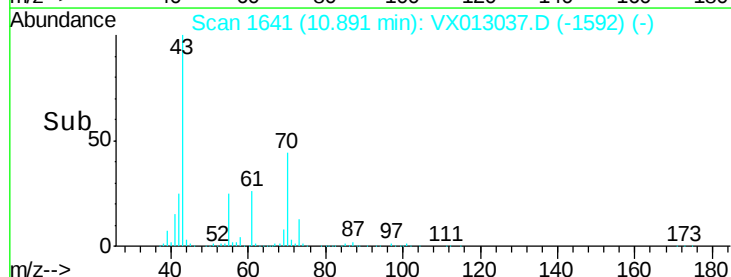
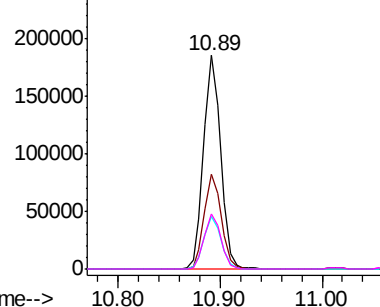


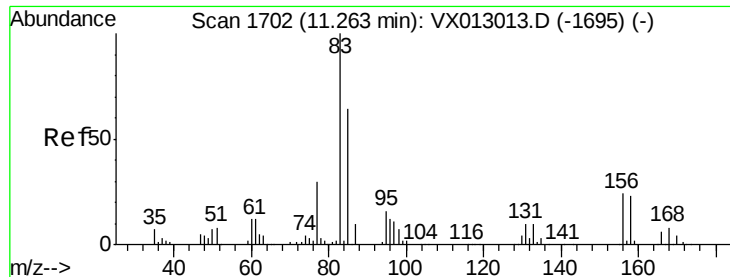
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.866 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

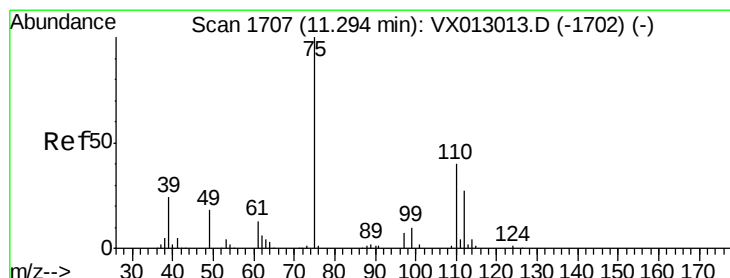
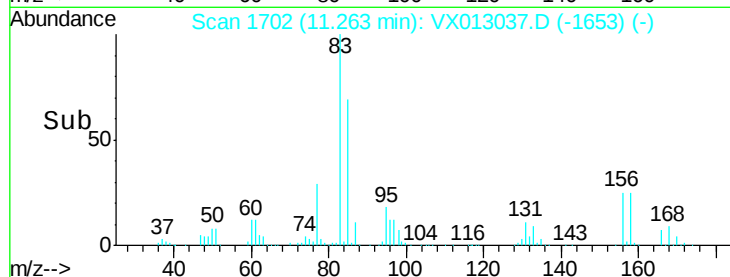
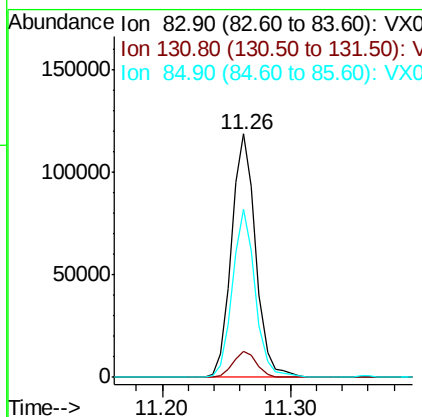
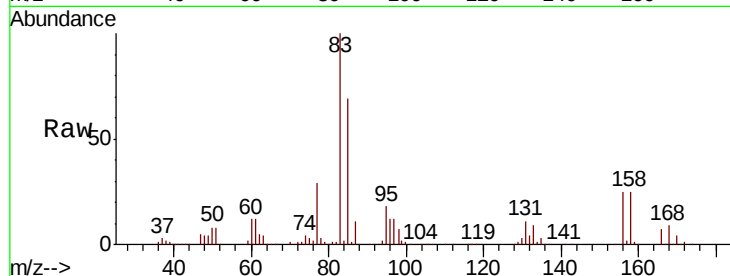
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	155687
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	65.5	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#76

1,2,3-Trichloropropane

Concen: 42.044 ug/l m

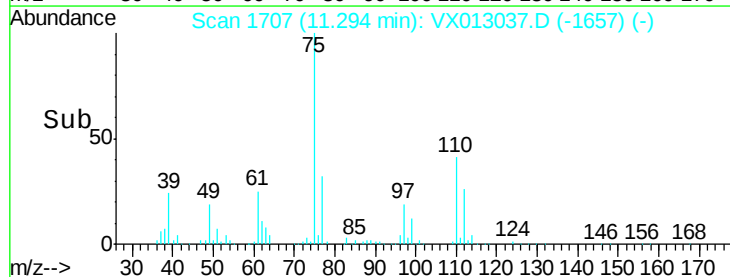
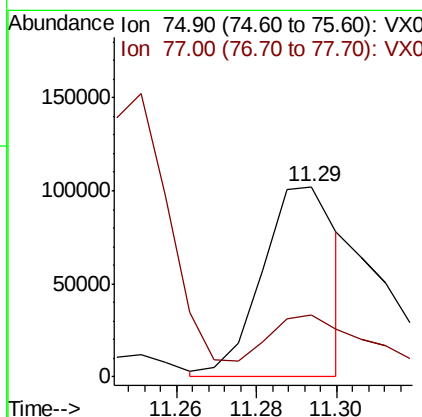
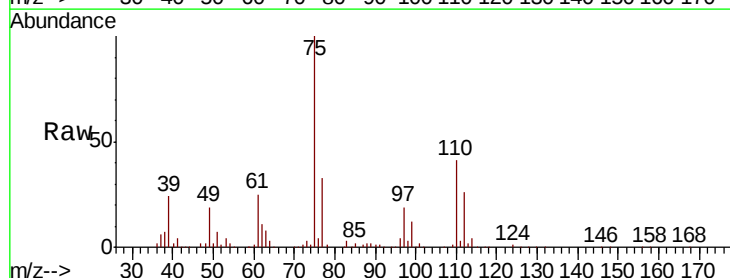
RT: 11.29 min Scan# 1707

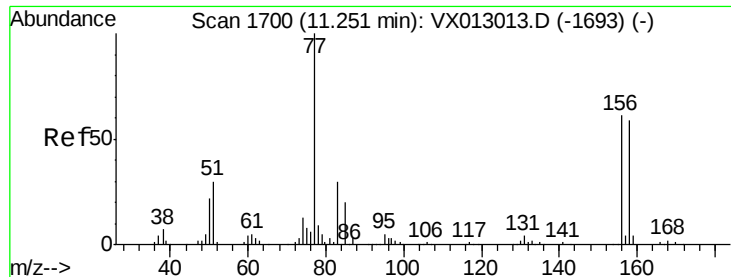
Delta R.T. 0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion:	75	Resp:	132331
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.9	68.8





#77

Bromobenzene

Concen: 47.002 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

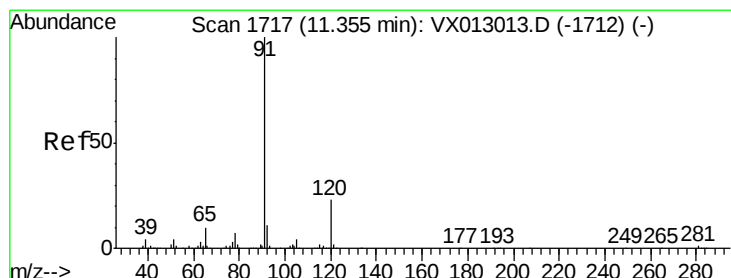
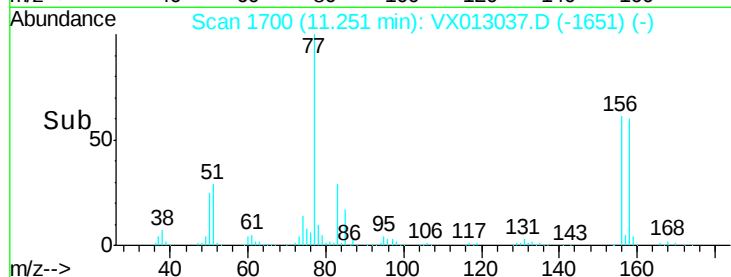
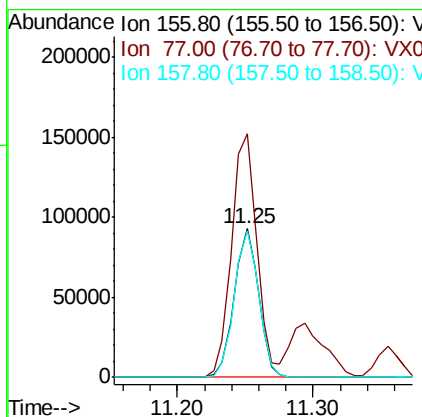
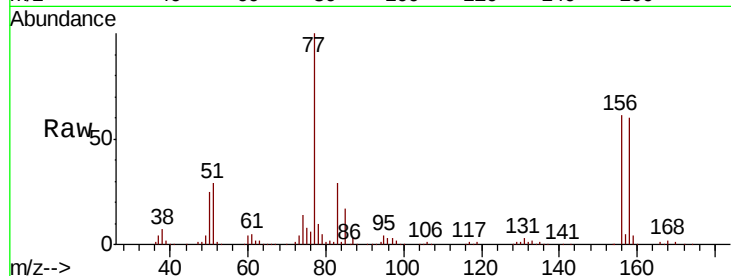
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	115556
Ion Ratio	Lower	Upper	
156	100		
77	171.6	83.7	251.0
158	99.8	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#78

n-propylbenzene

Concen: 48.997 ug/l

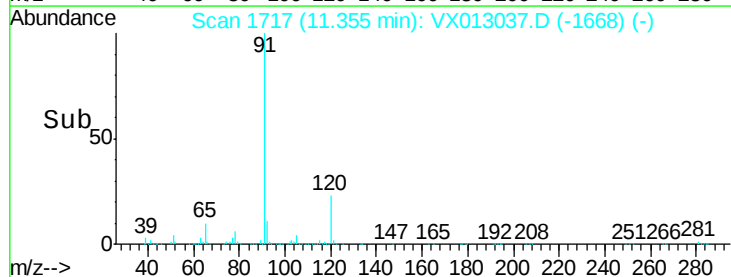
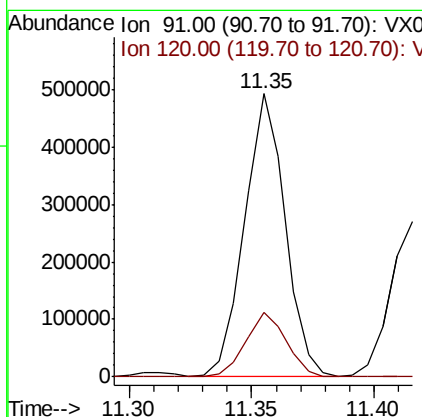
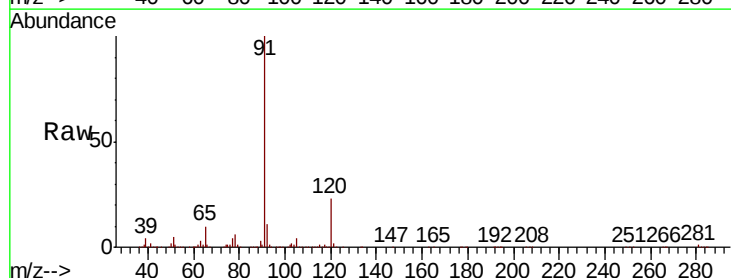
RT: 11.35 min Scan# 1717

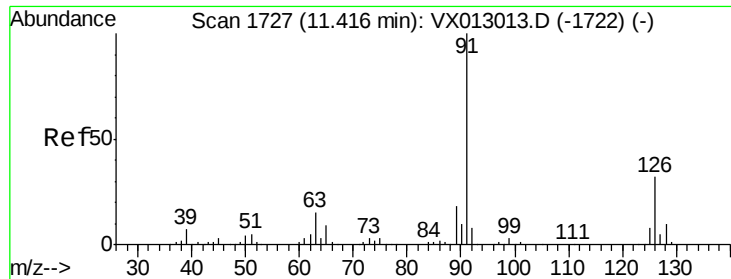
Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion:	91	Resp:	562499
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1





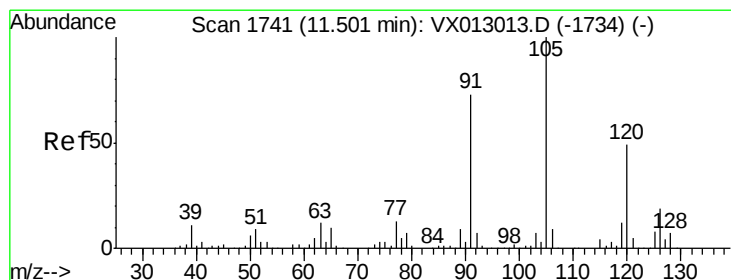
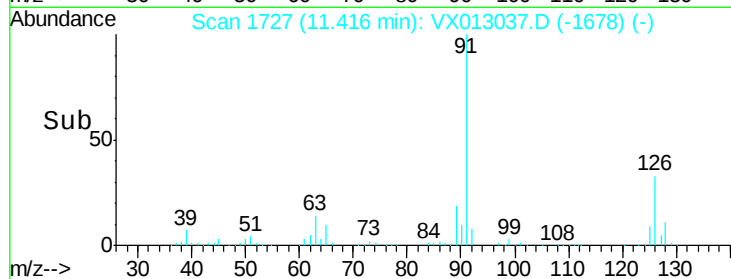
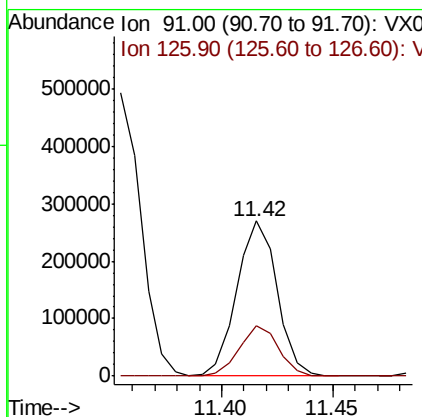
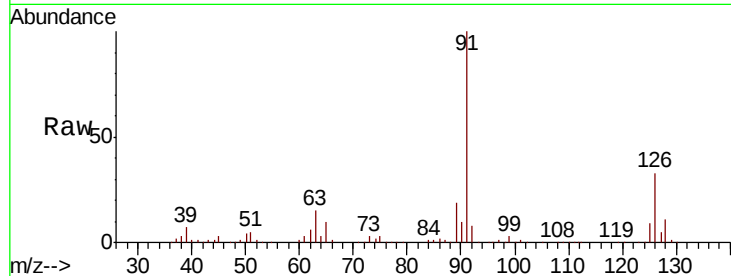
#79
 2-Chlorotoluene
 Concen: 47.078 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 339667
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.3 48.8

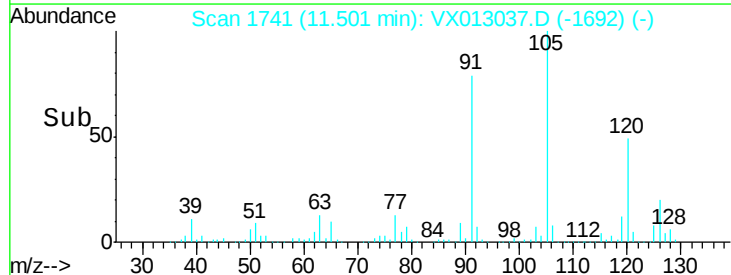
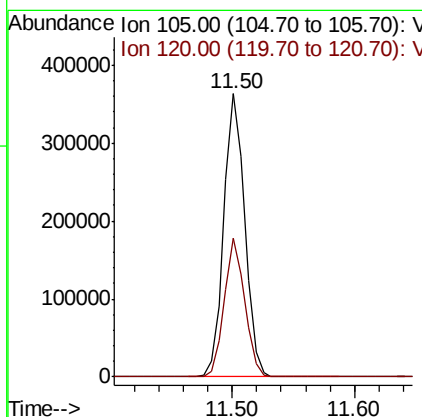
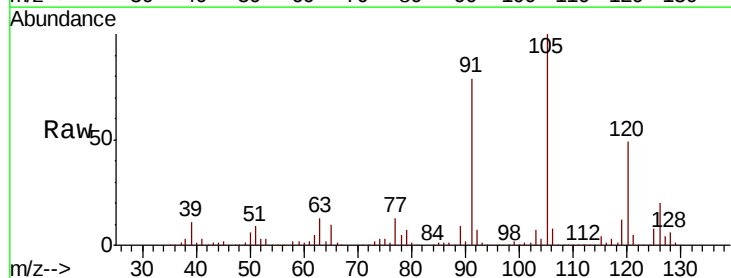
Manual Integrations
 APPROVED

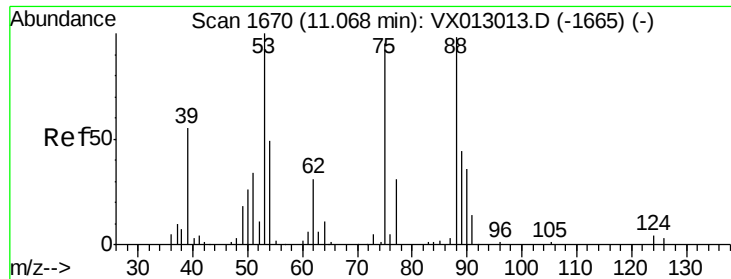
MMDadoda
 10/15/2019 11:04:14 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.479 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion: 105 Resp: 431049
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.8 74.3





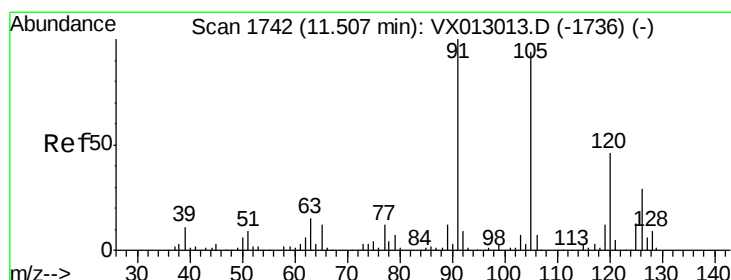
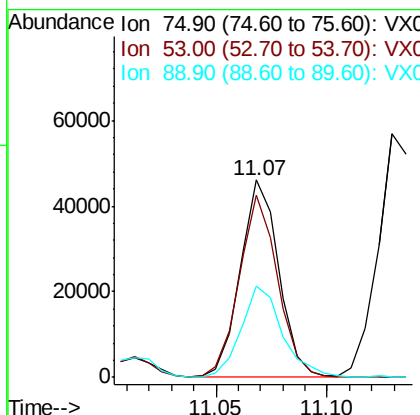
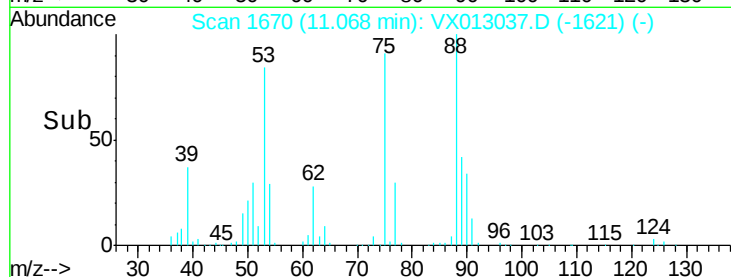
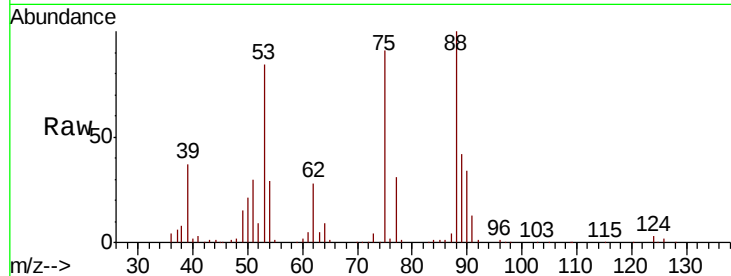
#81
trans-1,4-Dichloro-2-butene
Concen: 45.632 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	78.5	117.7
89	49.9	37.4	56.2

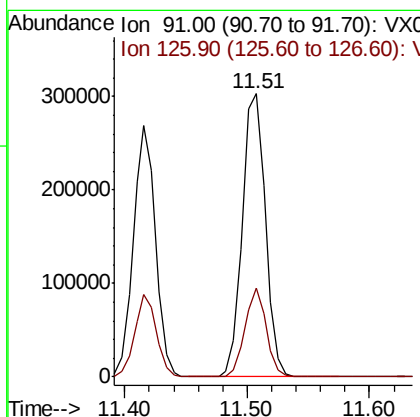
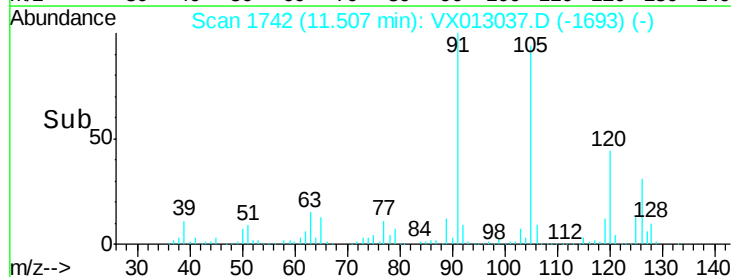
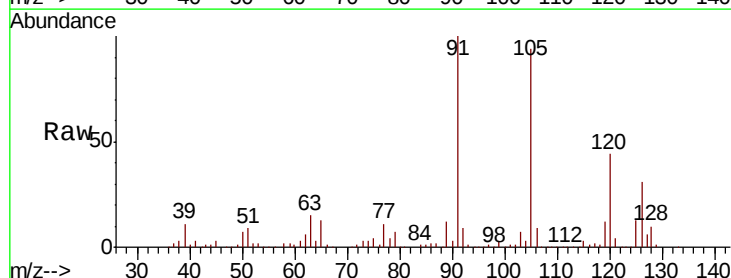
Manual Integrations
APPROVED

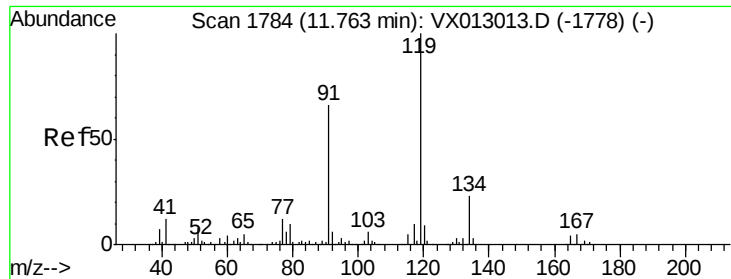
MMDadoda
10/15/2019 11:04:14 AM



#82
4-Chlorotoluene
Concen: 47.762 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.2	42.6





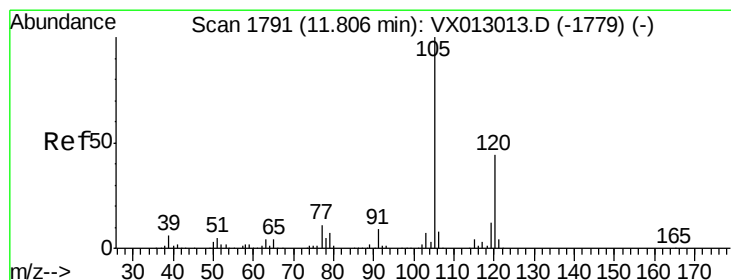
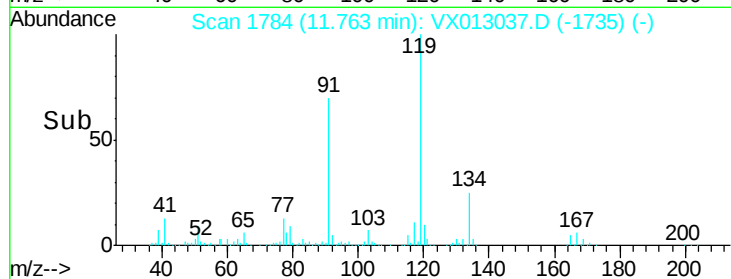
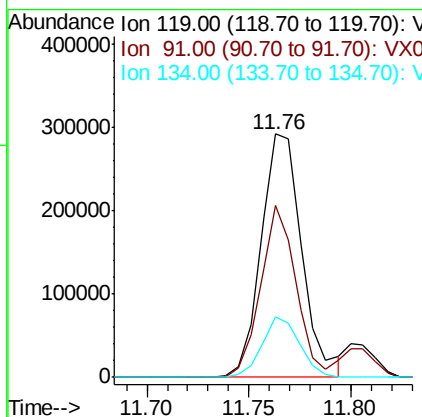
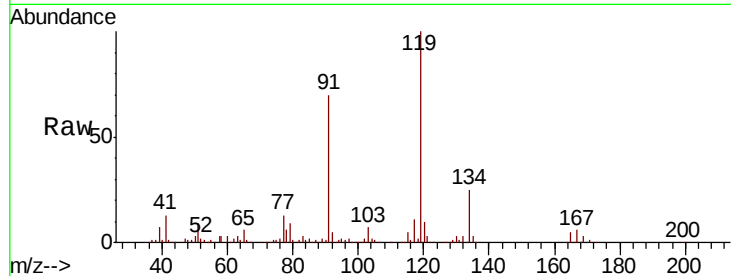
#83
 tert-Butylbenzene
 Concen: 47.785 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	29.3	87.9
134	22.9	11.5	34.4

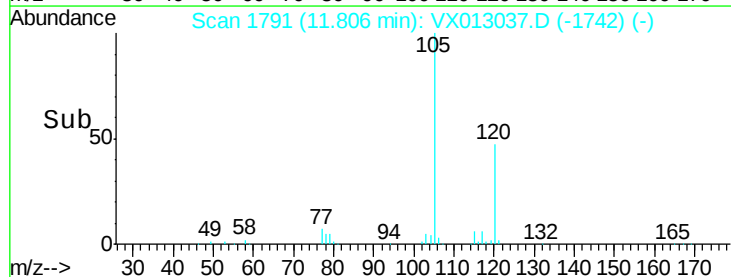
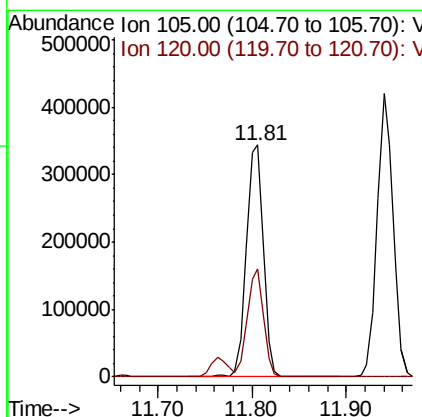
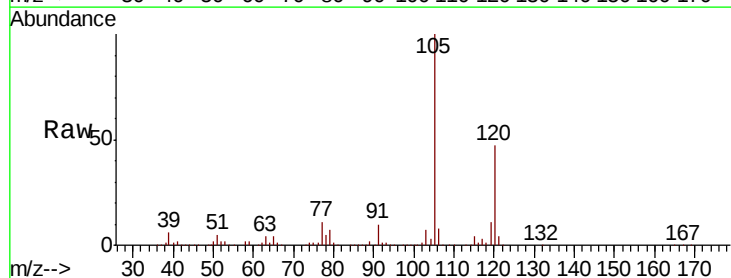
Manual Integrations
 APPROVED

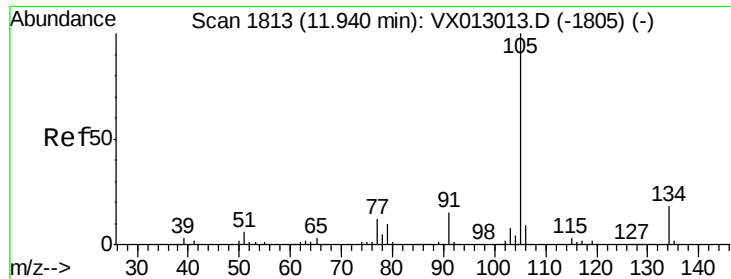
MMDadoda
 10/15/2019 11:04:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.973 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.8	65.3





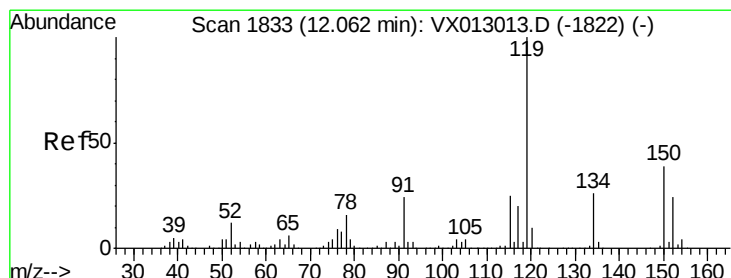
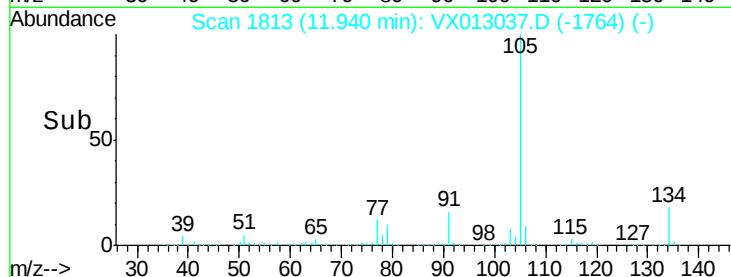
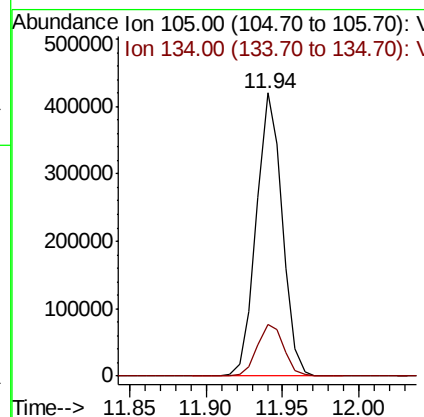
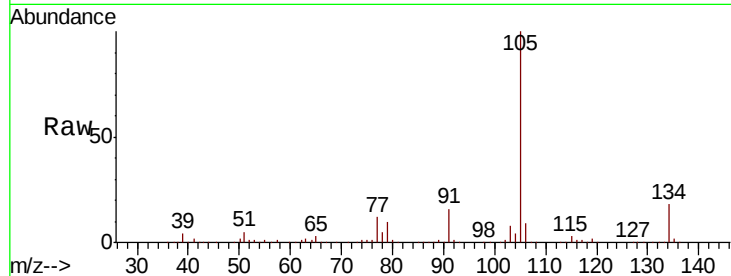
#85
 sec-Butylbenzene
 Concen: 50.280 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 495030
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.0 30.0

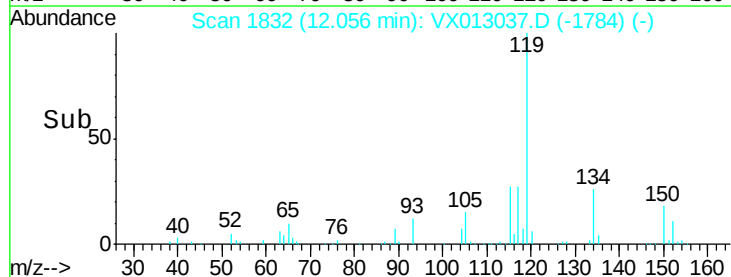
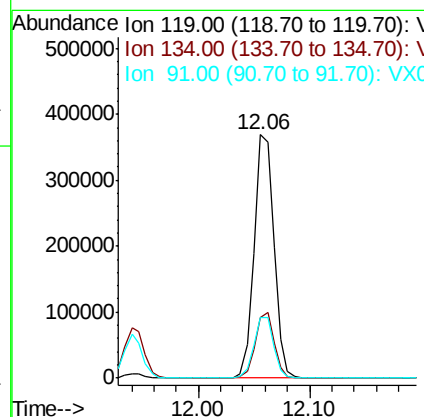
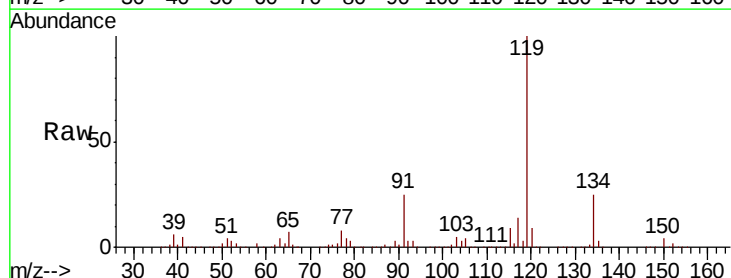
Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 11:04:14 AM



#86
 p-Isopropyltoluene
 Concen: 49.965 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion:119 Resp: 456240
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.6 37.8
 91 25.0 12.4 37.4





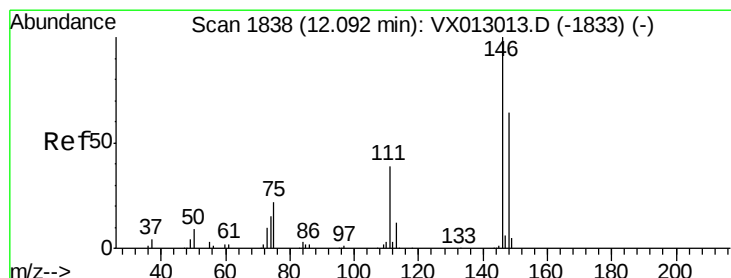
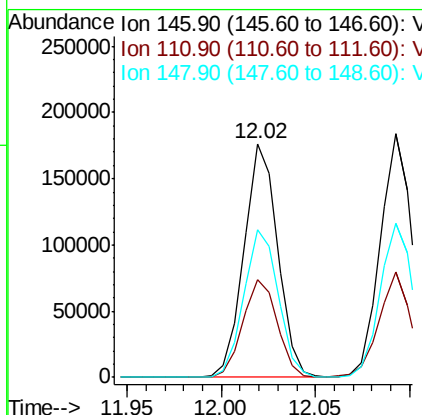
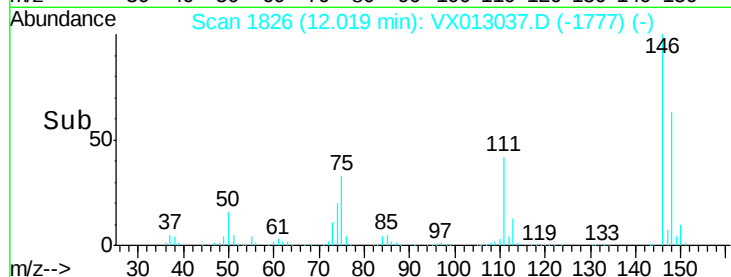
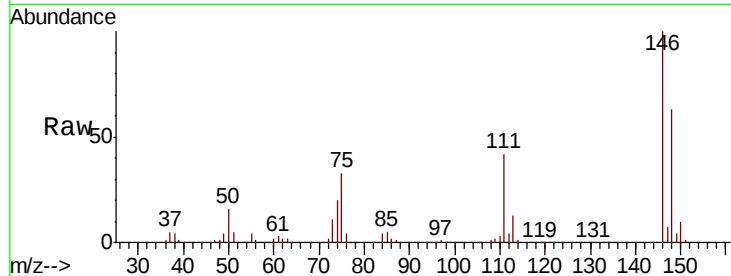
#87
 1,3-Dichlorobenzene
 Concen: 48.025 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	64.3	31.6	95.0

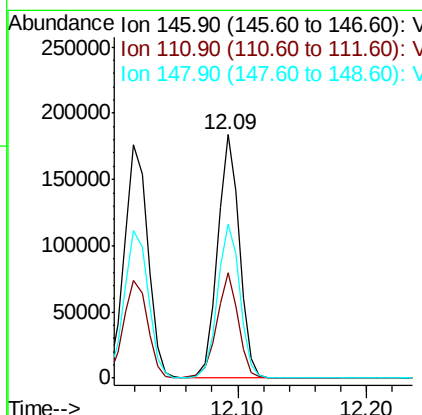
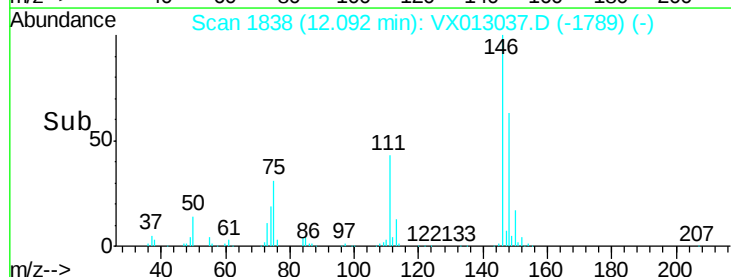
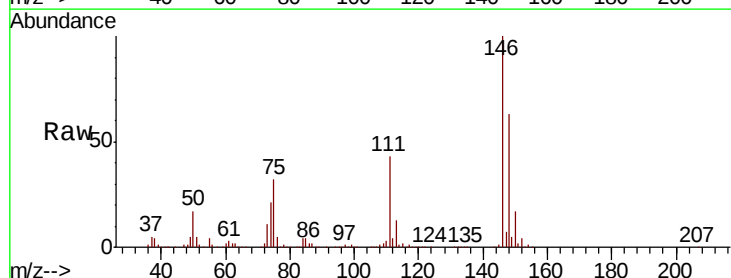
Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 11:04:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.554 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013037.D
 Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	64.5	32.1	96.5





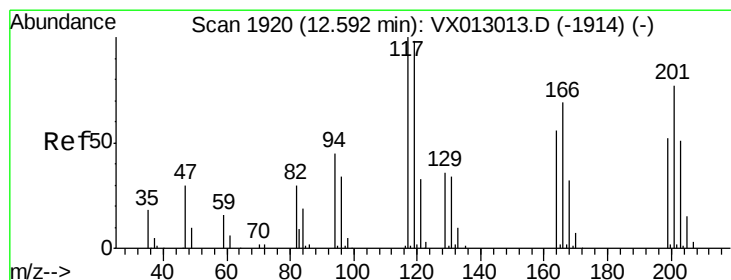
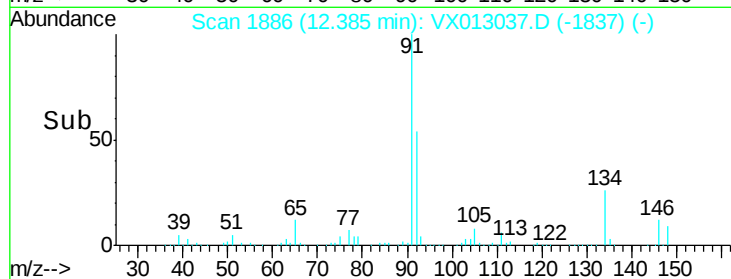
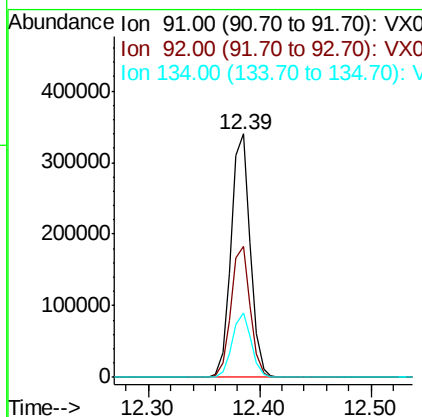
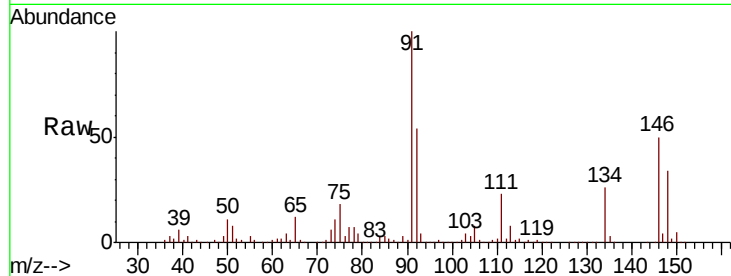
#89
n-Butylbenzene
Concen: 52.406 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.5
134	26.2	12.9	38.7

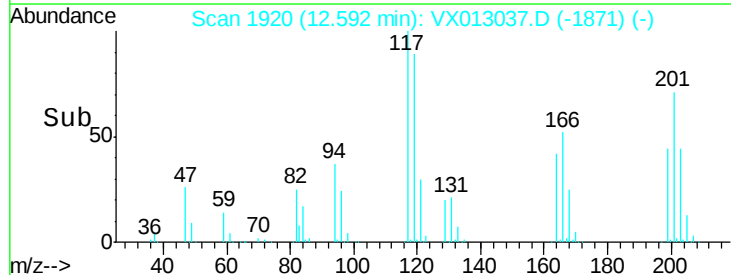
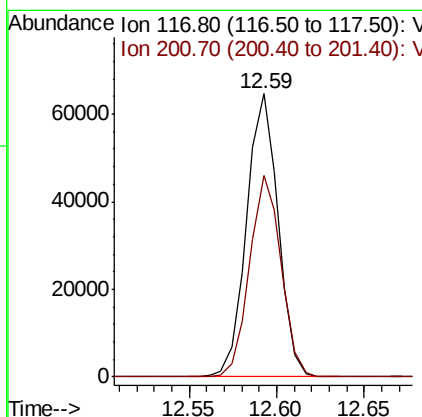
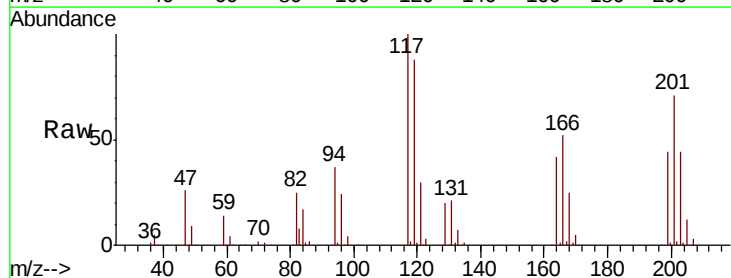
Manual Integrations
APPROVED

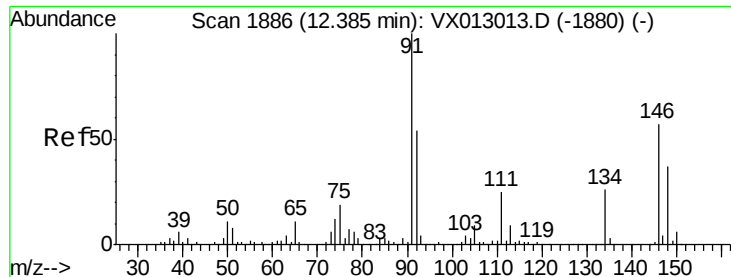
MMDadoda
10/15/2019 11:04:14 AM



#90
Hexachloroethane
Concen: 48.137 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	36.9	110.7





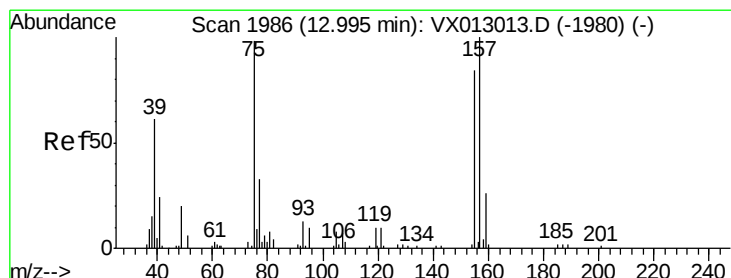
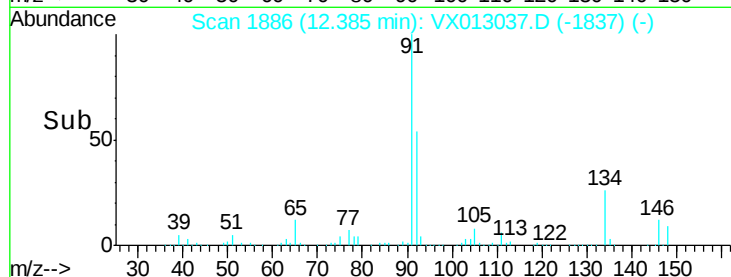
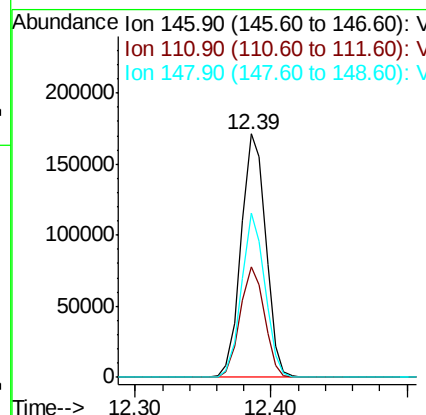
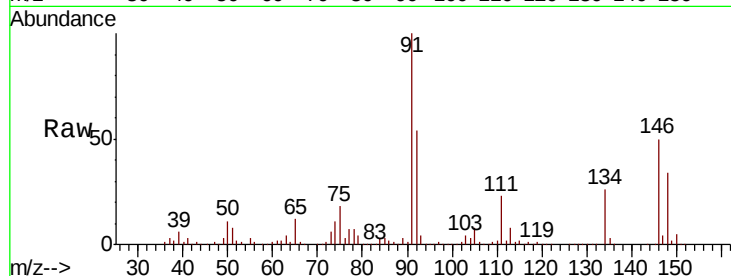
#91
1,2-Dichlorobenzene
Concen: 48.231 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.7	68.0
148	64.2	31.6	94.7

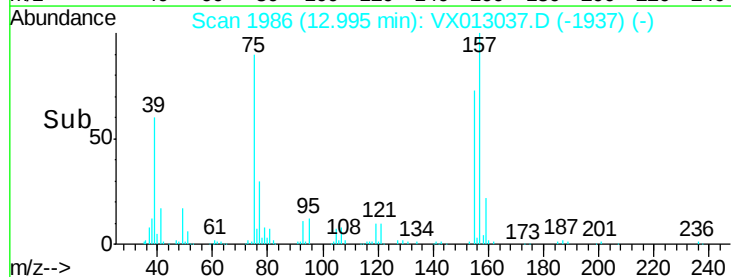
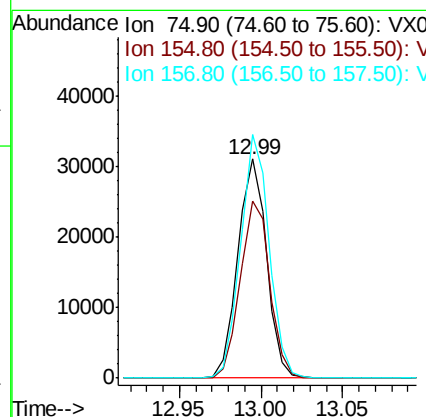
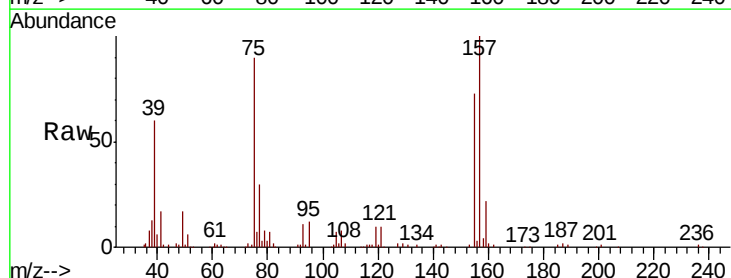
Manual Integrations
APPROVED

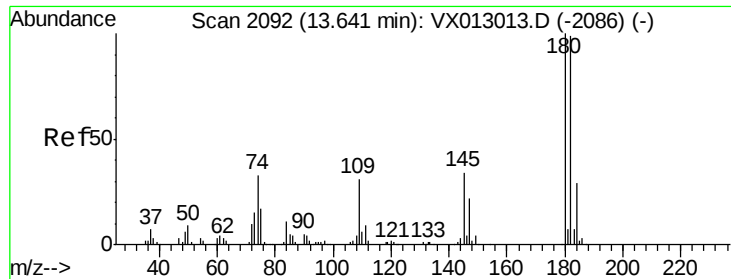
MMDadoda
10/15/2019 11:04:14 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.781 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	43.0	128.8
157	110.3	54.1	162.3





#93

1,2,4-Trichlorobenzene

Concen: 52.109 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Instrument :

MSVOA_X

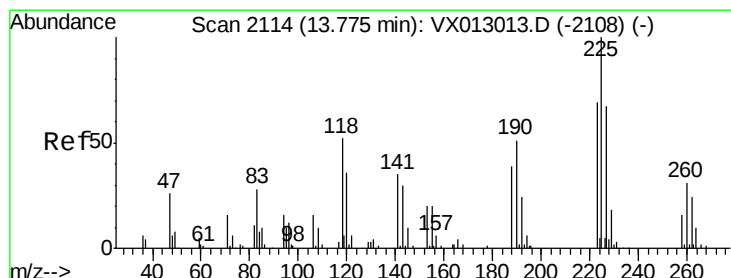
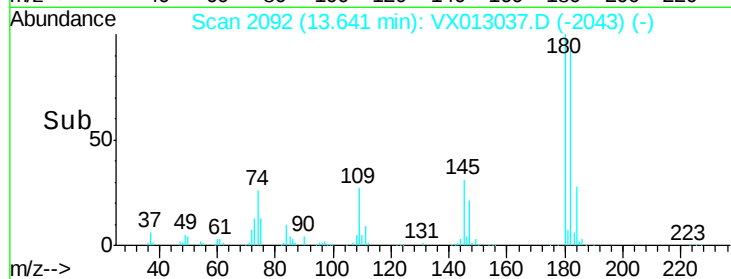
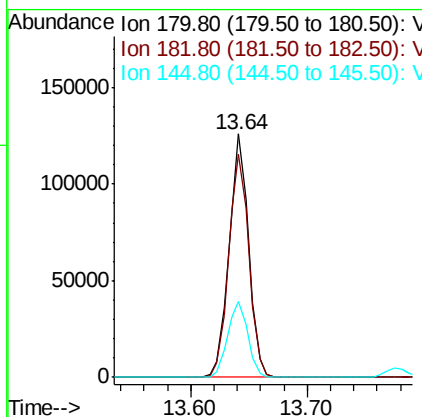
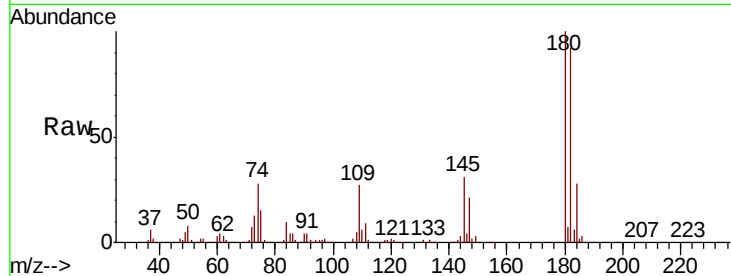
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	146102
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.8	140.4
145	32.1	16.2	48.6

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#94

Hexachlorobutadiene

Concen: 50.537 ug/l

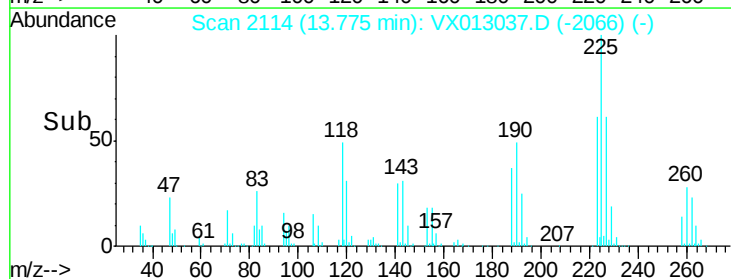
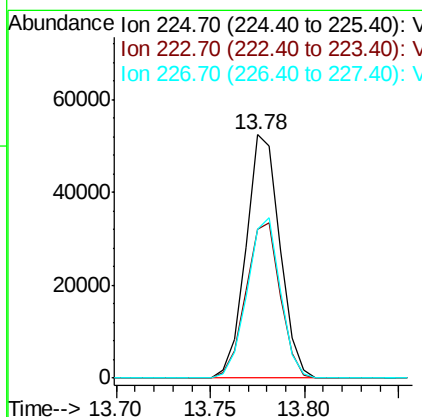
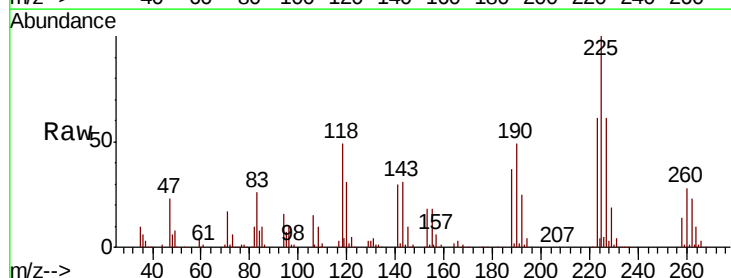
RT: 13.78 min Scan# 2114

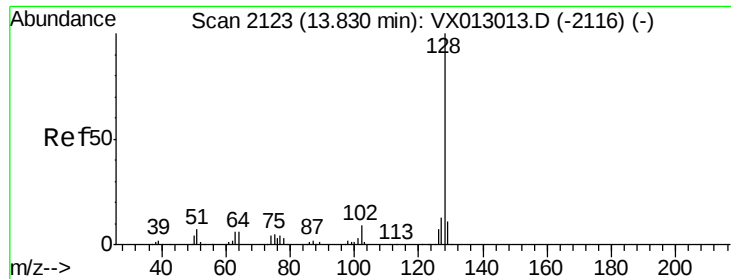
Delta R.T. -0.01 min

Lab File: VX013037.D

Acq: 14 Oct 2019 09:19

Tgt Ion:	225	Resp:	65392
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.1	93.2
227	64.3	32.3	96.9





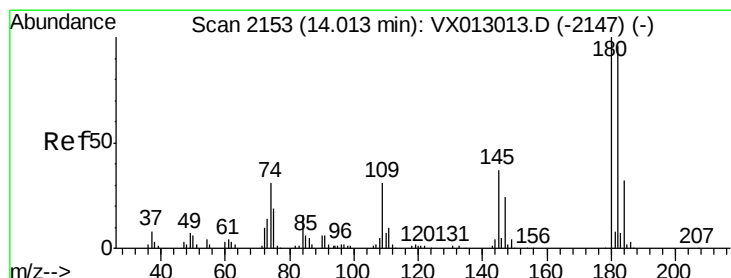
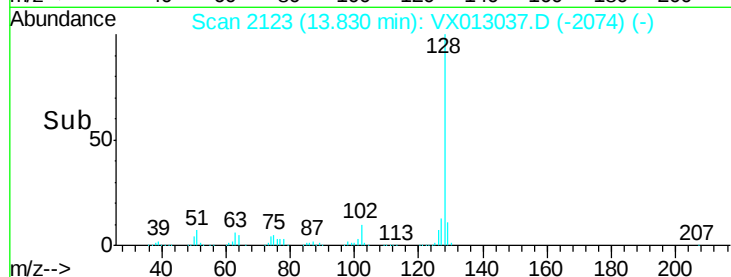
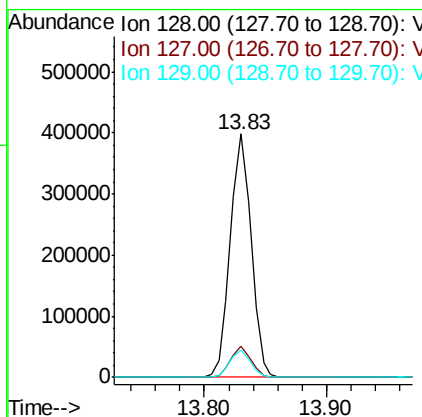
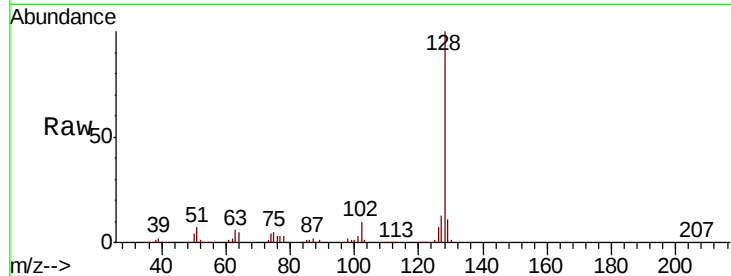
#95
Naphthalene
Concen: 48.312 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/15/2019 11:04:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.281 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013037.D
Acq: 14 Oct 2019 09:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.5
145	36.3	17.4	52.3

