

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013219.D
 Acq On : 25 Oct 2019 10:19
 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
 10/28/2019 12:53:14 PM

Quant Time: Oct 25 23:11:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	84118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	118175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	121066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	87057	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	5.49	113	67801	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	8.71	98	244540	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	98923	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	81203	47.842	ug/l	100
3) Chloromethane	1.32	50	64468	46.197	ug/l	94
4) Vinyl Chloride	1.40	62	69531	45.519	ug/l	98
5) Bromomethane	1.63	94	34310	42.377	ug/l	98
6) Chloroethane	1.71	64	44646	52.347	ug/l	99
7) Trichlorofluoromethane	1.92	101	123597	51.269	ug/l	96
8) Diethyl Ether	2.18	74	39374	47.628	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74132	49.661	ug/l	98
10) Methyl Iodide	2.50	142	83699	44.894	ug/l	100
11) Tert butyl alcohol	3.03	59	84445	221.123	ug/l	100
12) 1,1-Dichloroethene	2.36	96	68484	47.792	ug/l	99
13) Acrolein	2.28	56	47163	228.480	ug/l	98
14) Allyl chloride	2.72	41	102923	45.623	ug/l	97
15) Acrylonitrile	3.13	53	176607	227.736	ug/l	100
16) Acetone	2.44	43	209472	252.718	ug/l	97
17) Carbon Disulfide	2.56	76	174292	45.242	ug/l	99
18) Methyl Acetate	2.76	43	85376	47.227	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	244321	48.418	ug/l	99
20) Methylene Chloride	2.85	84	76972	49.660	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	73413	49.246	ug/l	92
22) Diisopropyl ether	3.84	45	208222	47.205	ug/l	97
23) Vinyl Acetate	3.80	43	904091	241.146	ug/l	99
24) 1,1-Dichloroethane	3.69	63	130190	47.985	ug/l	99
25) 2-Butanone	4.65	43	257969	232.069	ug/l	98
26) 2,2-Dichloropropane	4.57	77	123239	49.149	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	81735	46.575	ug/l	99
28) Bromochloromethane	5.00	49	36859	52.686	ug/l	100
29) Tetrahydrofuran	5.11	42	148303	221.336	ug/l	100
30) Chloroform	5.20	83	139501	48.292	ug/l	97
31) Cyclohexane	5.57	56	110360	48.503	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	129544	50.437	ug/l	98
36) 1,1-Dichloropropene	5.79	75	102906	52.024	ug/l	99
37) Ethyl Acetate	4.82	43	93108	47.280	ug/l	99
38) Carbon Tetrachloride	5.77	117	113347	51.891	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102519\
 Data File : VX013219.D
 Acq On : 25 Oct 2019 10:19
 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
 10/28/2019 12:53:14 PM

Quant Time: Oct 25 23:11:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	123813	48.940	ug/l	99
40) Benzene	6.13	78	294599	49.631	ug/l	96
41) Methacrylonitrile	5.03	41	52361	49.593	ug/l	100
42) 1,2-Dichloroethane	6.18	62	115601	51.654	ug/l	100
43) Isopropyl Acetate	6.43	43	159356	48.738	ug/l	100
44) Trichloroethene	7.20	130	83535	49.586	ug/l	95
45) 1,2-Dichloropropane	7.51	63	72519	48.779	ug/l	98
46) Dibromomethane	7.65	93	53364	49.821	ug/l	98
47) Bromodichloromethane	7.89	83	108258	51.863	ug/l	99
48) Methyl methacrylate	7.76	41	77574	48.003	ug/l	99
49) 1,4-Dioxane	7.73	88	36186	879.796	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	473142	237.408	ug/l	100
52) Toluene	8.78	92	193114	49.092	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	119618	53.925	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	128258	52.855	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	76796	49.378	ug/l	97
56) Ethyl methacrylate	9.17	69	119459	51.034	ug/l	100
57) 1,3-Dichloropropane	9.37	76	129925	49.511	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	237789	260.345	ug/l	99
59) 2-Hexanone	9.48	43	373720	243.441	ug/l	98
60) Dibromochloromethane	9.57	129	85964	52.749	ug/l	98
61) 1,2-Dibromoethane	9.67	107	83607	50.638	ug/l	99
64) Tetrachloroethene	9.33	164	83994	56.478	ug/l	99
65) Chlorobenzene	10.14	112	208033	49.088	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	80274	51.274	ug/l	99
67) Ethyl Benzene	10.25	91	379448	50.013	ug/l	98
68) m/p-Xylenes	10.35	106	288080	100.473	ug/l	98
69) o-Xylene	10.70	106	138414	50.323	ug/l	98
70) Styrene	10.71	104	237399	50.125	ug/l	99
71) Bromoform	10.85	173	61568	53.821	ug/l #	100
73) Isopropylbenzene	11.01	105	378546	48.120	ug/l	98
74) N-amyl acetate	10.89	43	136326	47.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	114280	47.844	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	92546m	44.325	ug/l	
77) Bromobenzene	11.25	156	90205	47.843	ug/l	97
78) n-propylbenzene	11.35	91	424924	49.727	ug/l	100
79) 2-Chlorotoluene	11.42	91	252085	46.691	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	300167	45.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	38323	50.438	ug/l	99
82) 4-Chlorotoluene	11.51	91	280012	45.773	ug/l	98
83) tert-Butylbenzene	11.76	119	296514	45.835	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	321885	48.805	ug/l	98
85) sec-Butylbenzene	11.94	105	349316	47.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	353283	51.081	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	164210	48.210	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	160443	46.265	ug/l	100
89) n-Butylbenzene	12.39	91	277268	49.007	ug/l	98
90) Hexachloroethane	12.59	117	58109	50.170	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	156063	46.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	27991	47.124	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\
Data File : VX013219.D
Acq On : 25 Oct 2019 10:19
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

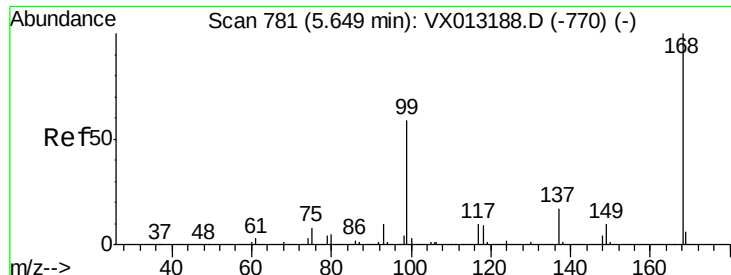
Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM

Quant Time: Oct 25 23:11:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	106244	50.374	ug/l	99
94) Hexachlorobutadiene	13.78	225	51776	47.457	ug/l	98
95) Naphthalene	13.83	128	317428	49.038	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	104012	49.907	ug/l	98

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



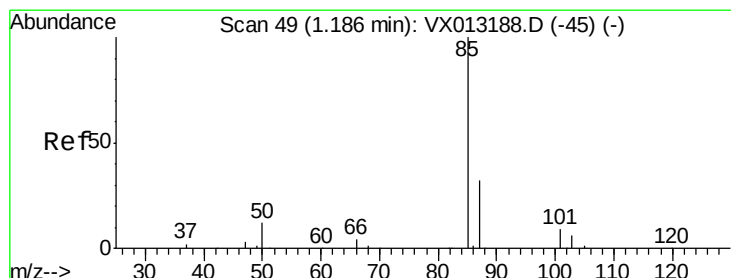
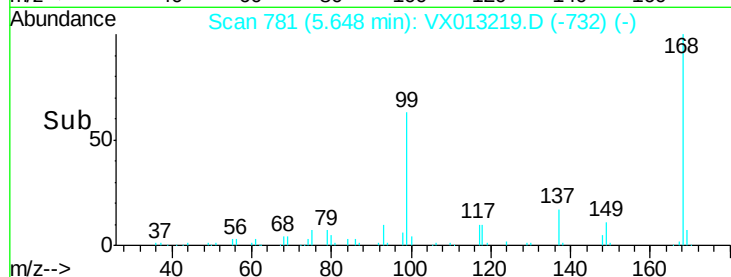
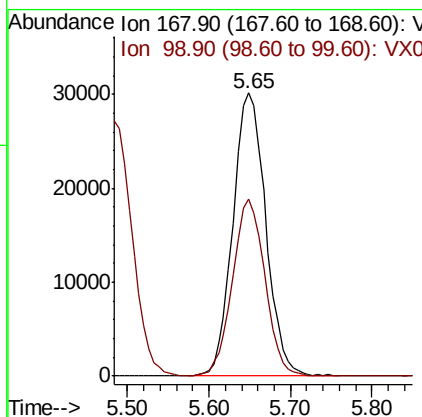
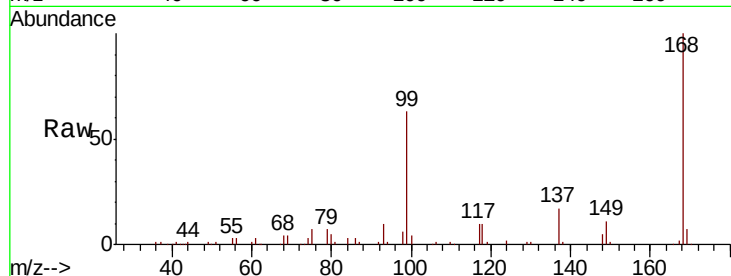
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	62.3	47.0	70.4

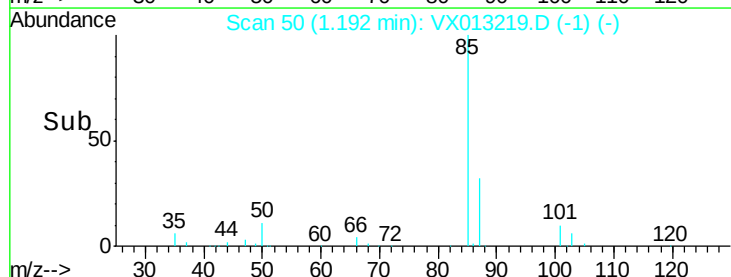
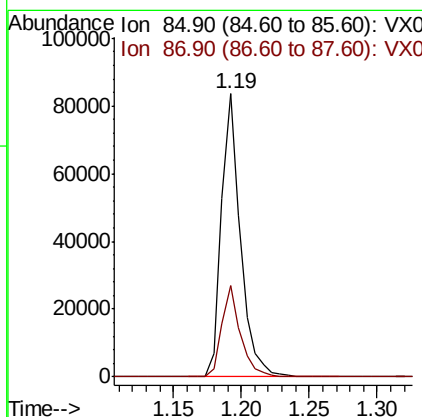
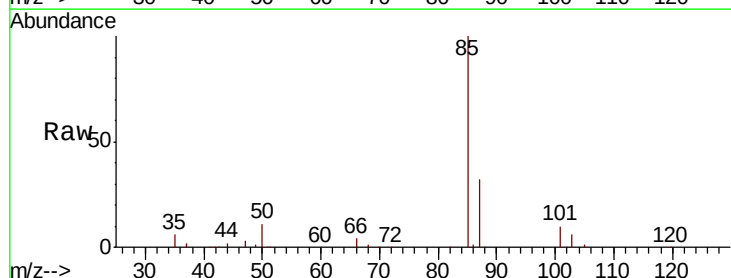
Manual Integrations
APPROVED

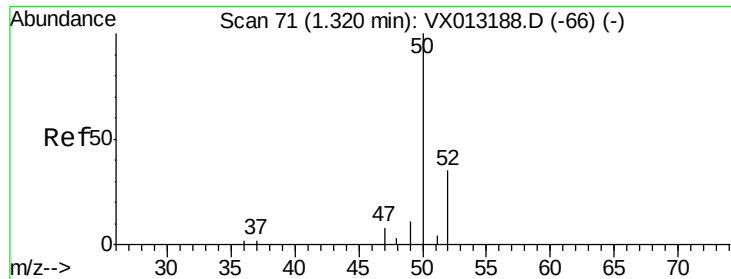
MMDadoda
10/28/2019 12:53:14 PM



#2
Dichlorodifluoromethane
Concen: 47.842 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.6





#3

Chloromethane

Concen: 46.197 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 64468

Ion Ratio Lower Upper

50 100

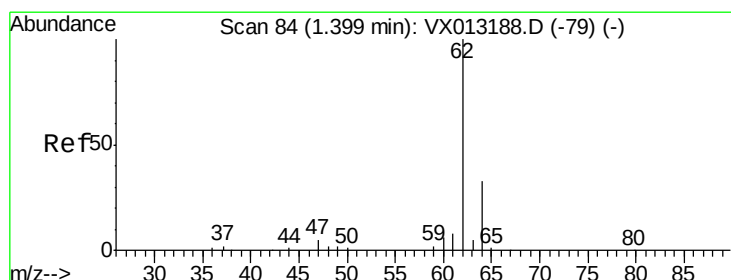
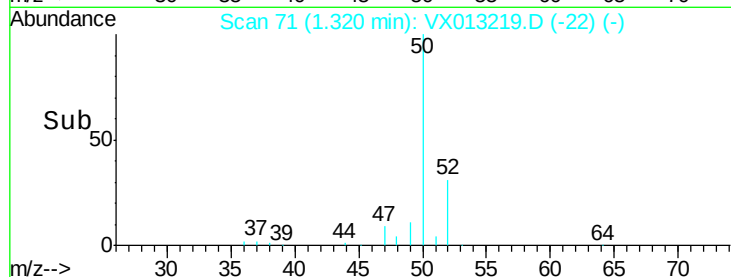
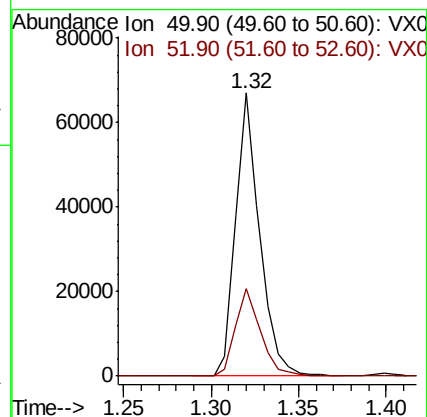
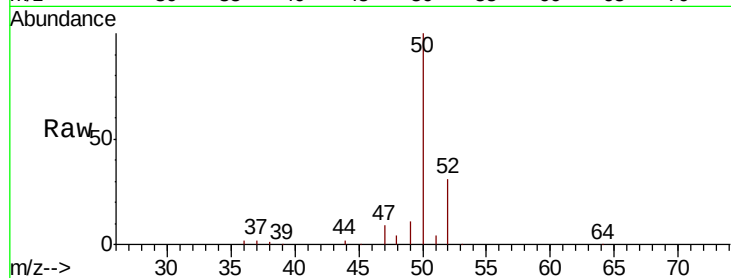
52 31.1 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



#4

Vinyl Chloride

Concen: 45.519 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013219.D

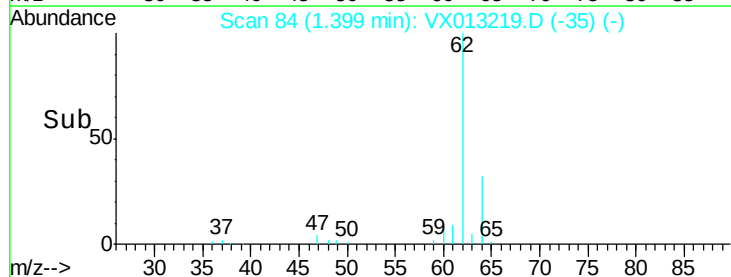
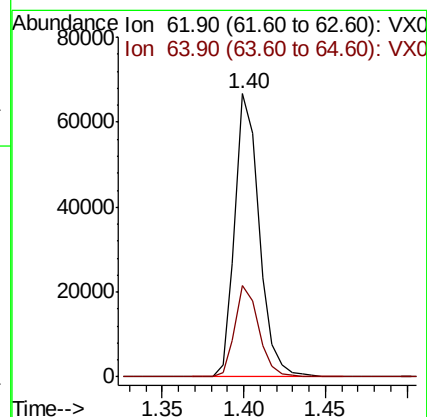
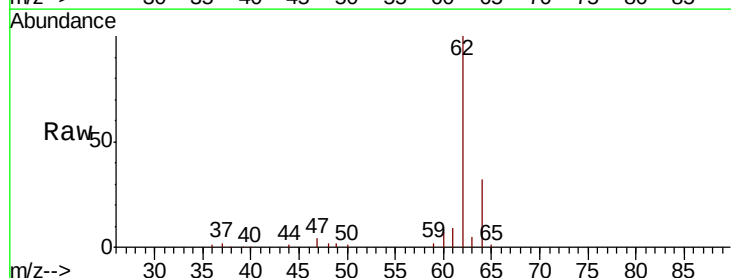
Acq: 25 Oct 2019 10:19

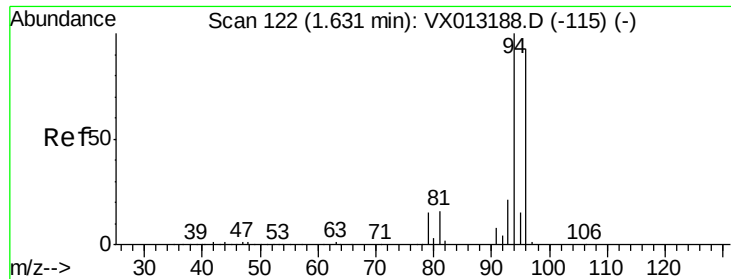
Tgt Ion: 62 Resp: 69531

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6





#5

Bromomethane

Concen: 42.377 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 34310

Ion Ratio Lower Upper

94 100

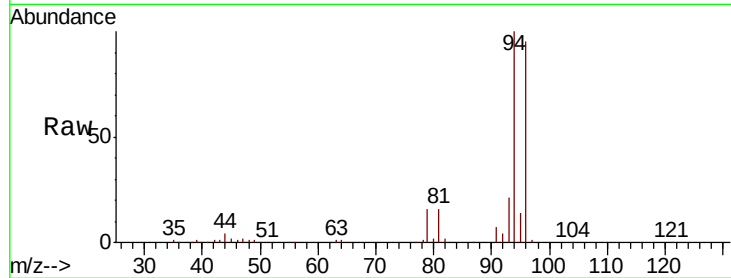
96 95.1 74.2 111.2

Manual Integrations

APPROVED

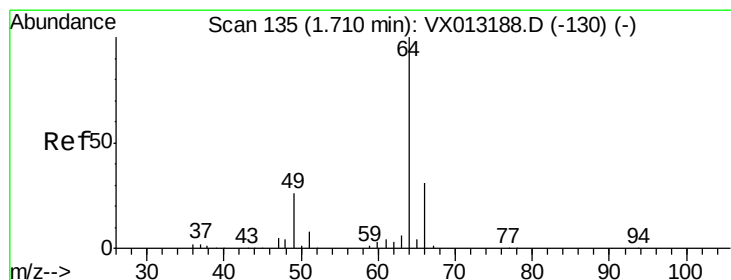
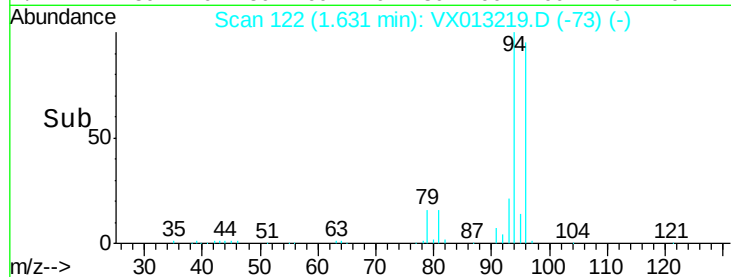
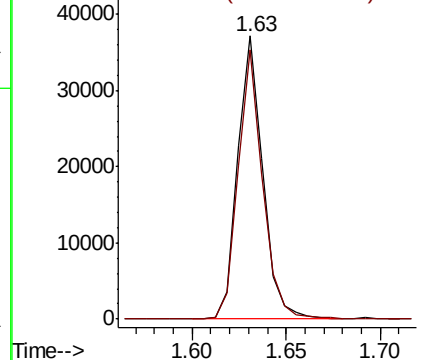
MMDadoda

10/28/2019 12:53:14 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.347 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013219.D

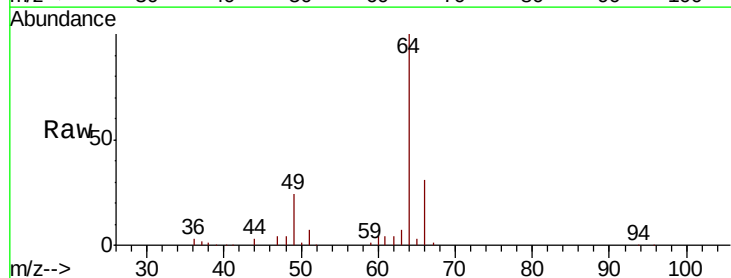
Acq: 25 Oct 2019 10:19

Tgt Ion: 64 Resp: 44646

Ion Ratio Lower Upper

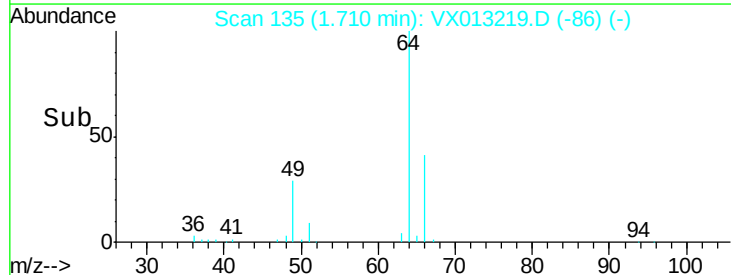
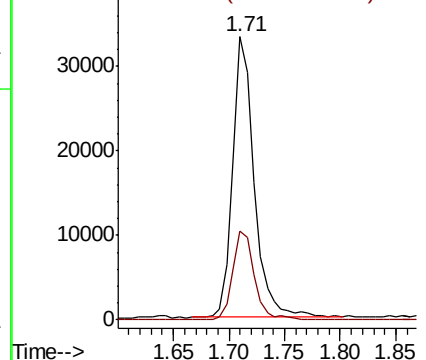
64 100

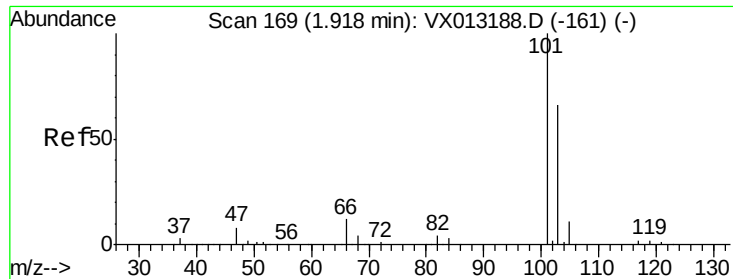
66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

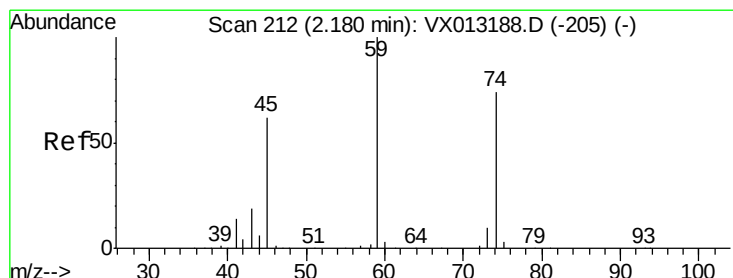
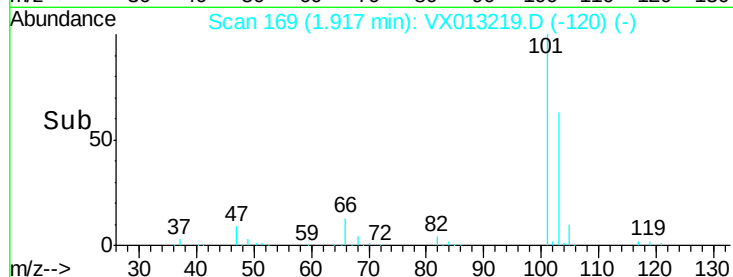
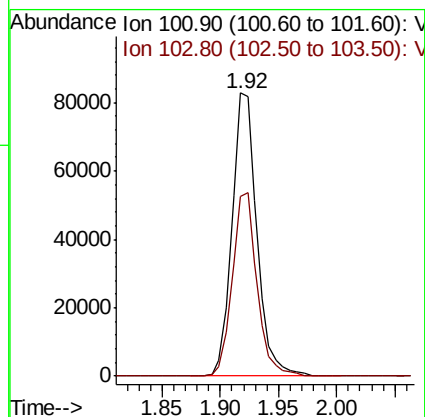
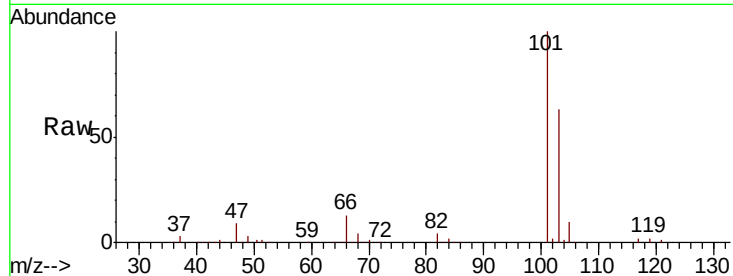
Trichlorofluoromethane
Concen: 51.269 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 123597
Ion Ratio Lower Upper
101 100
103 63.4 53.0 79.6

Manual Integrations
APPROVED

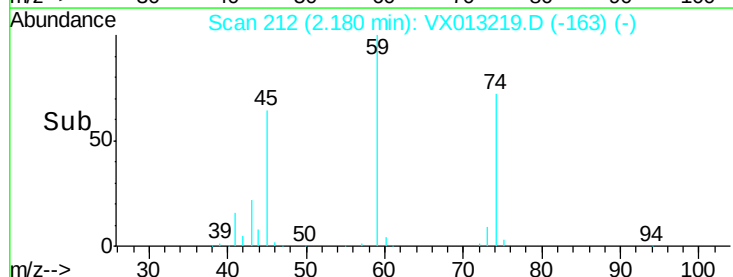
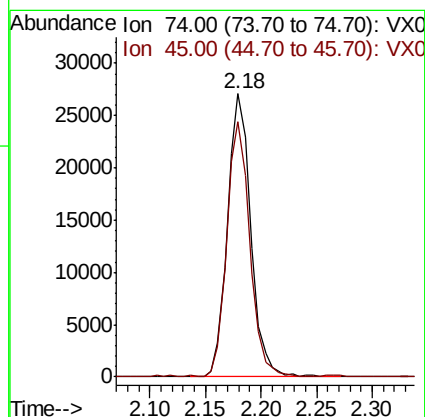
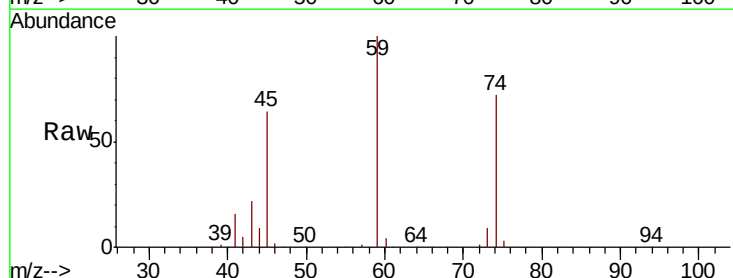
MMDadoda
10/28/2019 12:53:14 PM

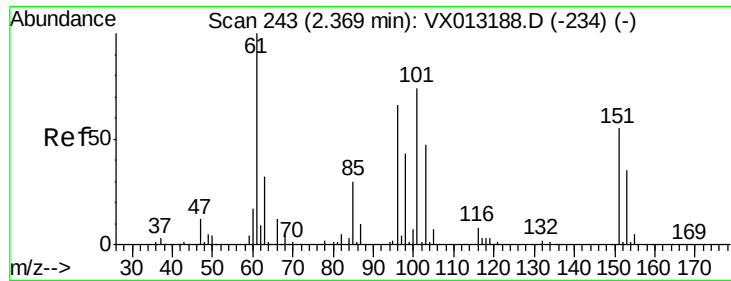


#8

Diethyl Ether
Concen: 47.628 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion: 74 Resp: 39374
Ion Ratio Lower Upper
74 100
45 88.8 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.661 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

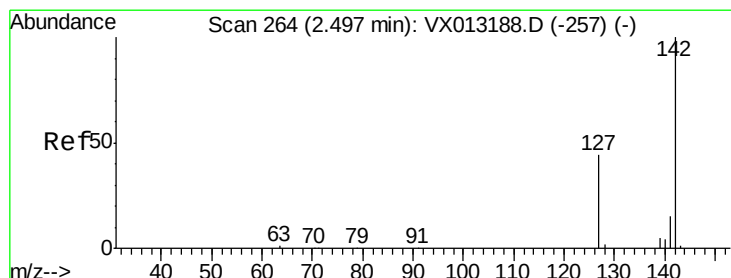
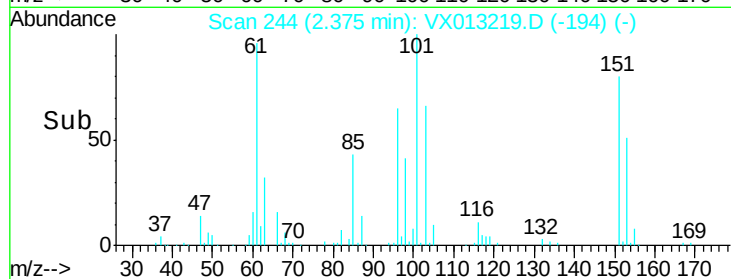
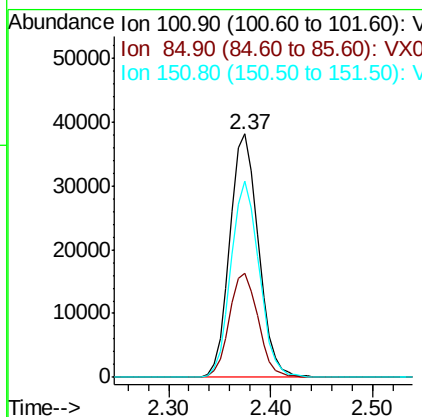
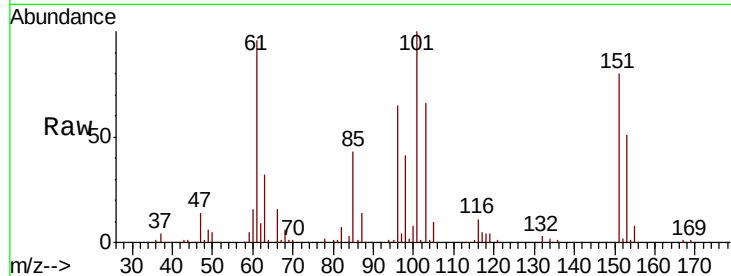
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	74132
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.0	51.0
151	79.5	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#10

Methyl Iodide

Concen: 44.894 ug/l

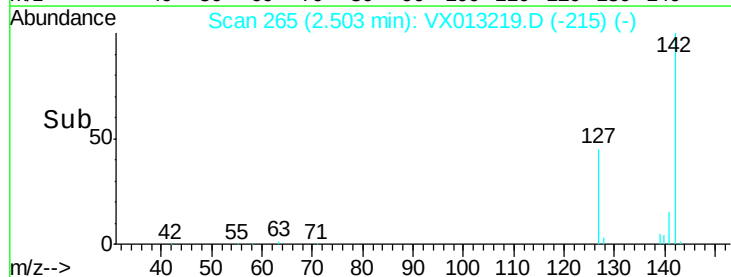
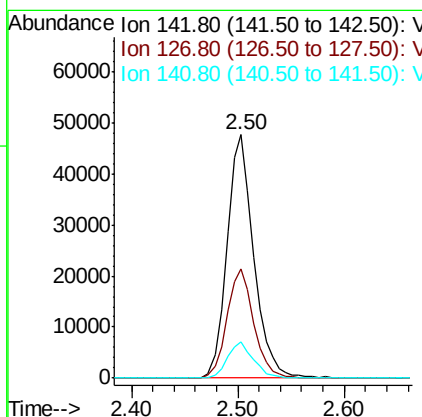
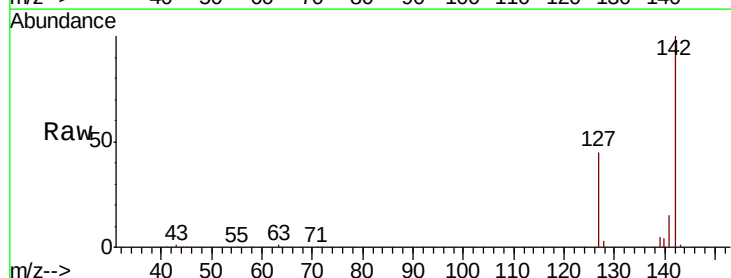
RT: 2.50 min Scan# 265

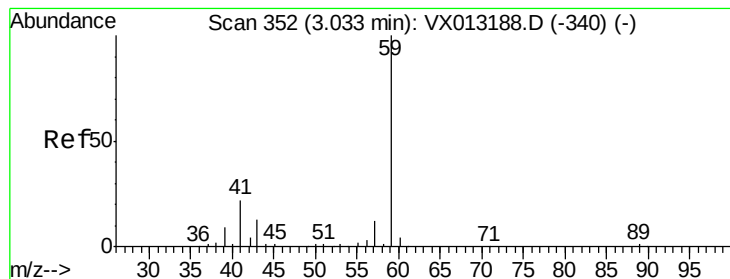
Delta R.T. 0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	142	Resp:	83699
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.6	53.4
141	14.6	11.6	17.4





#11

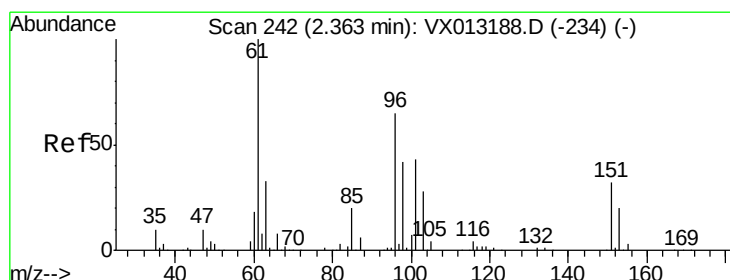
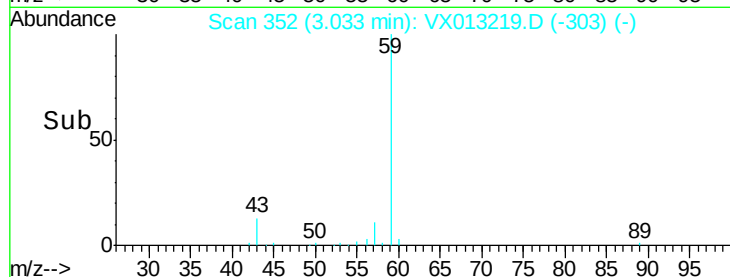
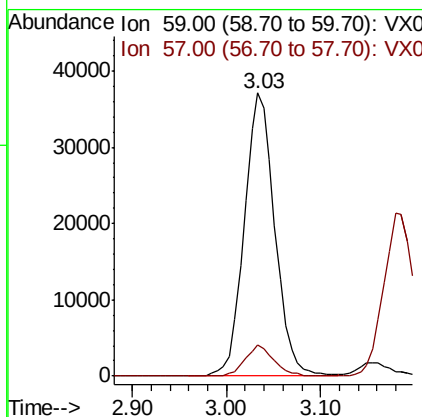
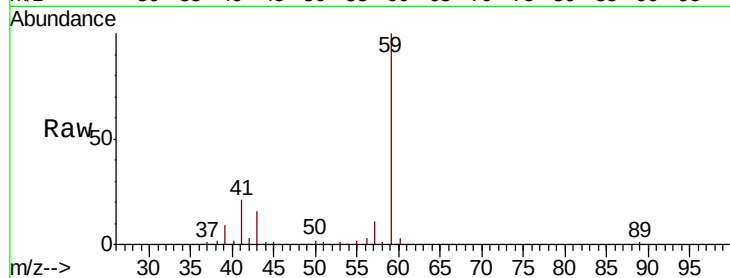
Tert butyl alcohol
Concen: 221.123 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
APPROVED

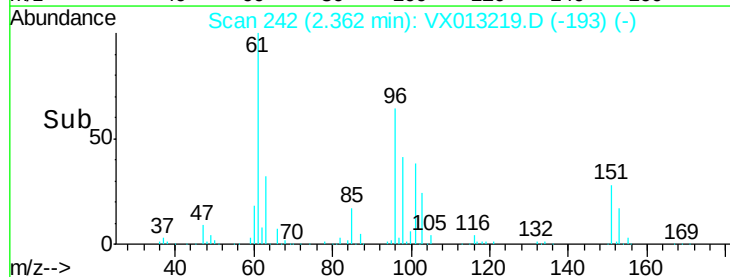
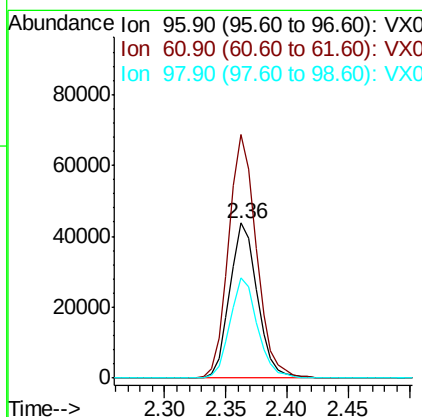
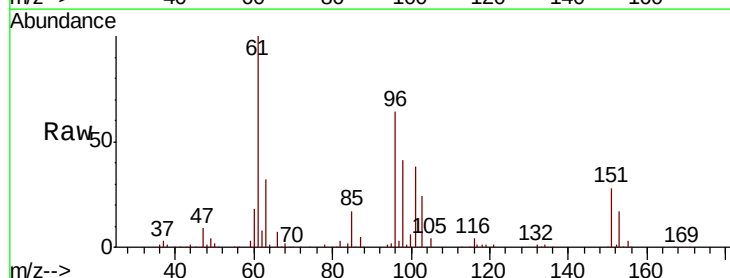
MMDadoda
10/28/2019 12:53:14 PM

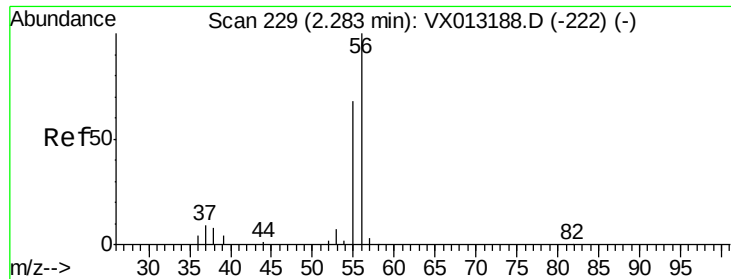


#12

1,1-Dichloroethene
Concen: 47.792 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.4	123.8	185.8
98	64.6	51.6	77.4





#13

Acrolein

Concen: 228.480 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47163

Ion Ratio Lower Upper

56 100

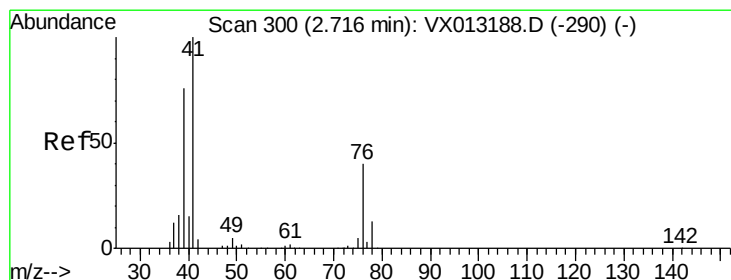
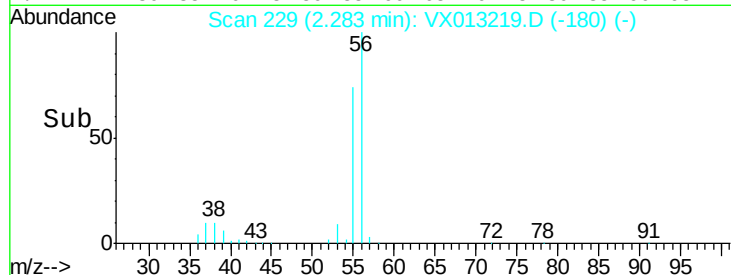
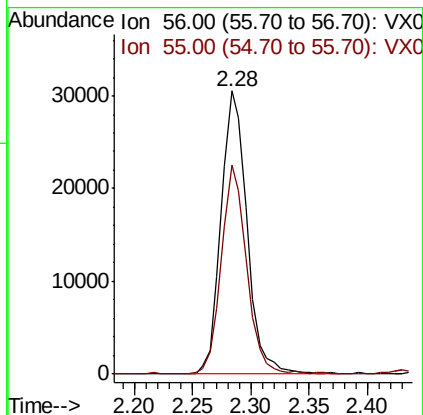
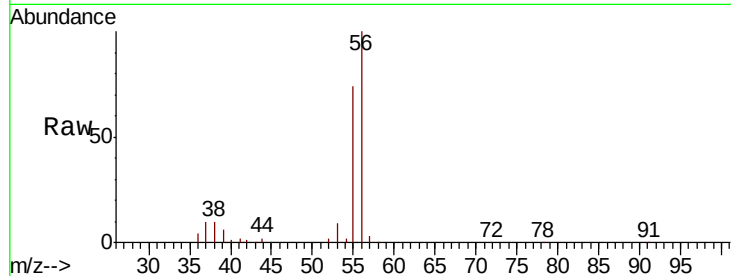
55 72.1 58.9 88.3

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



#14

Allyl chloride

Concen: 45.623 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

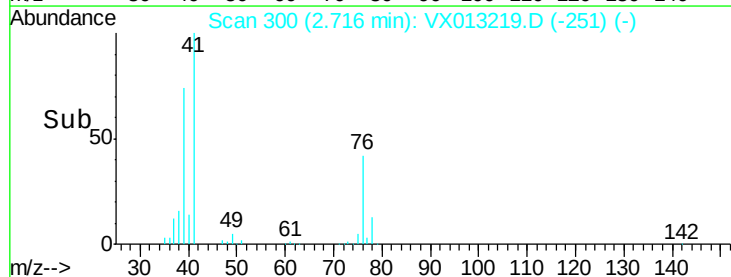
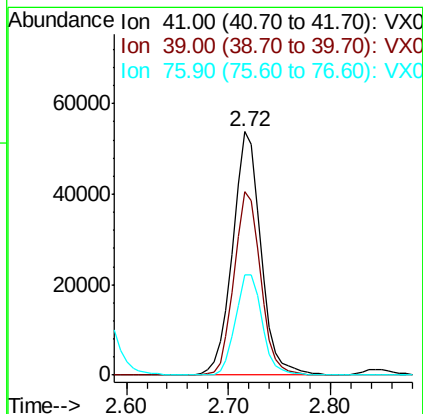
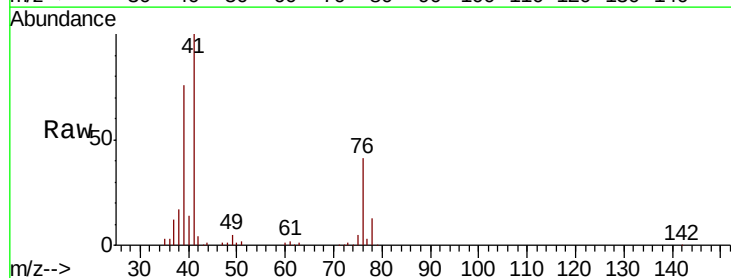
Tgt Ion: 41 Resp: 102923

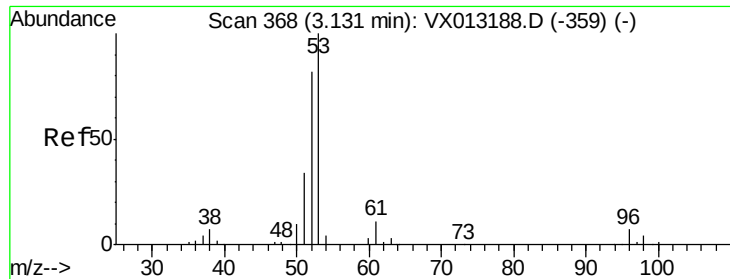
Ion Ratio Lower Upper

41 100

39 71.1 54.6 81.8

76 39.0 29.8 44.6





#15

Acrylonitrile

Concen: 227.736 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

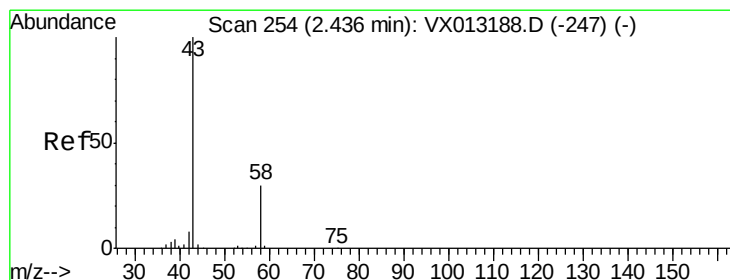
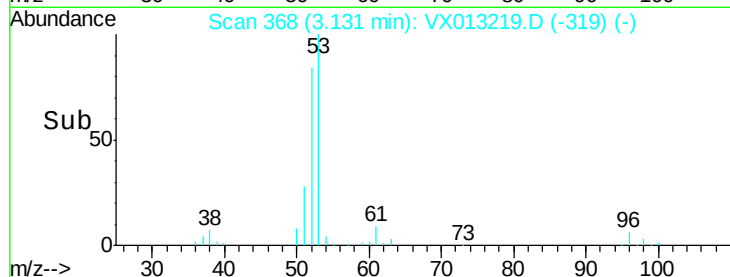
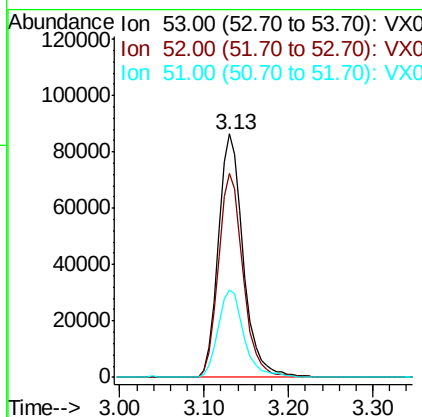
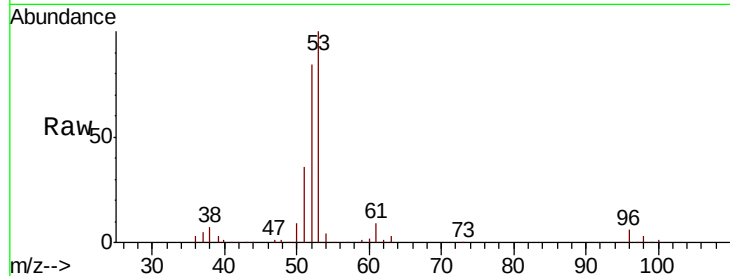
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	176607
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.4	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#16

Acetone

Concen: 252.718 ug/l

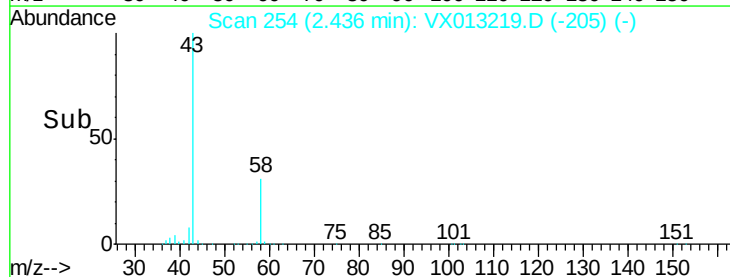
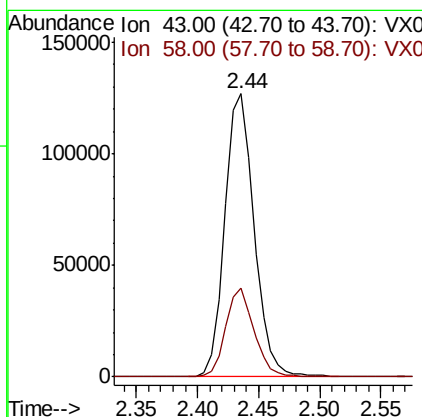
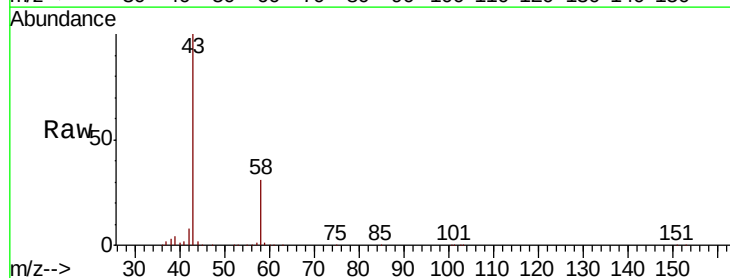
RT: 2.44 min Scan# 254

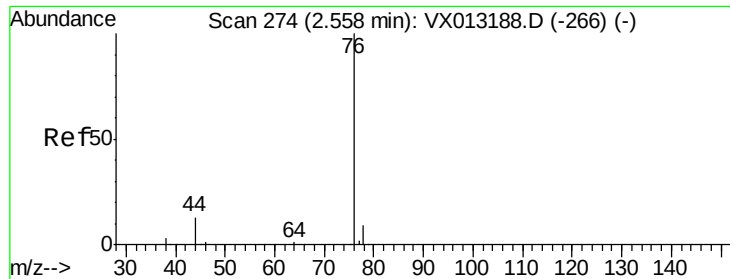
Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	43	Resp:	209472
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.8	35.6





#17

Carbon Disulfide

Concen: 45.242 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 174292

Ion Ratio Lower Upper

76 100

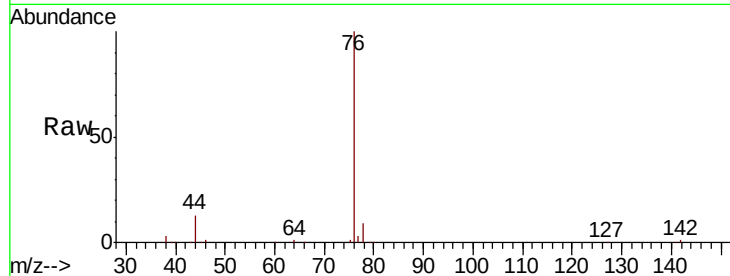
78 9.1 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

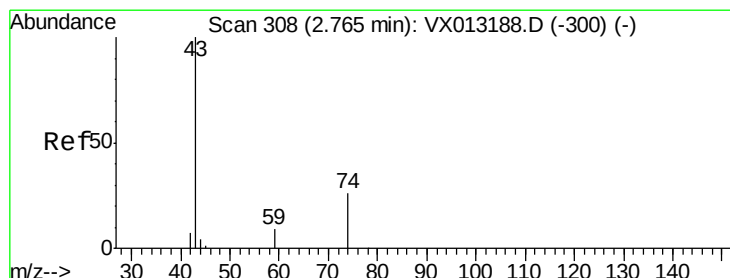
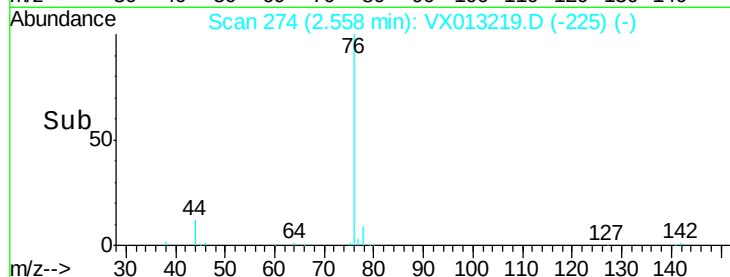
40000

20000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 47.227 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013219.D

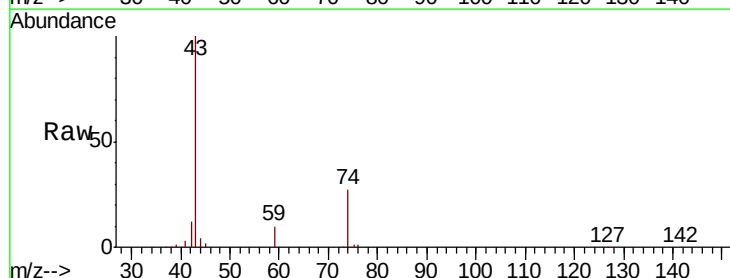
Acq: 25 Oct 2019 10:19

Tgt Ion: 43 Resp: 85376

Ion Ratio Lower Upper

43 100

74 26.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

50000

40000

30000

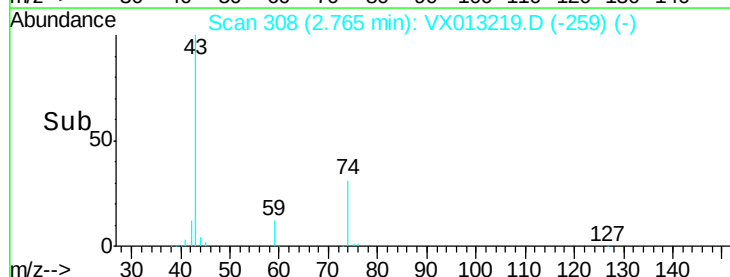
20000

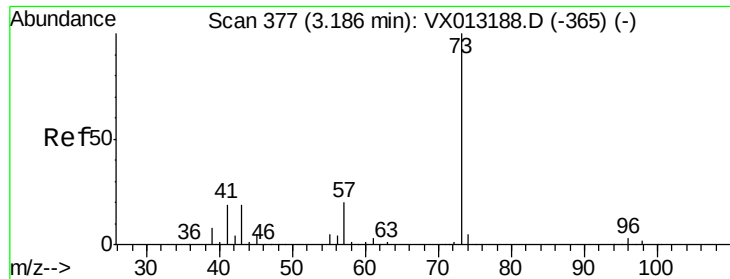
10000

0

2.65 2.70 2.75 2.80 2.85

Time-->





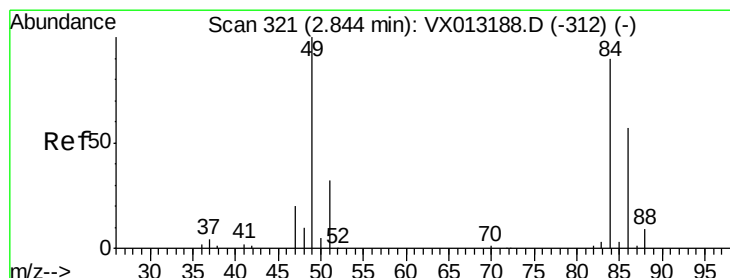
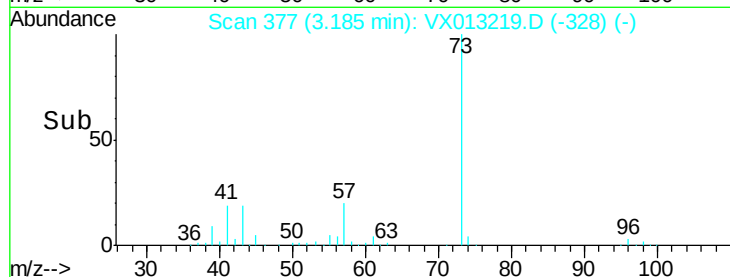
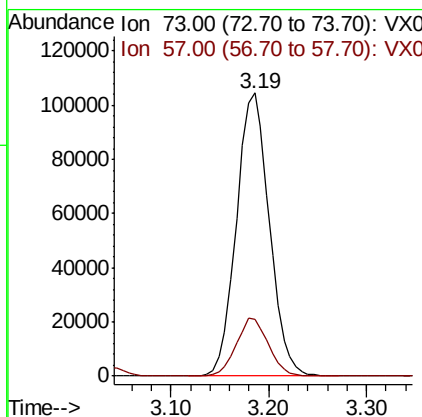
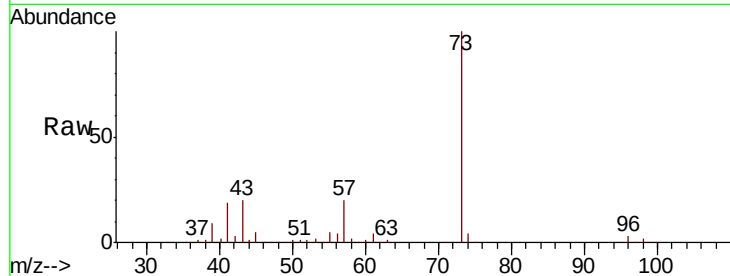
#19
Methyl tert-butyl Ether
Concen: 48.418 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	15.8	23.8

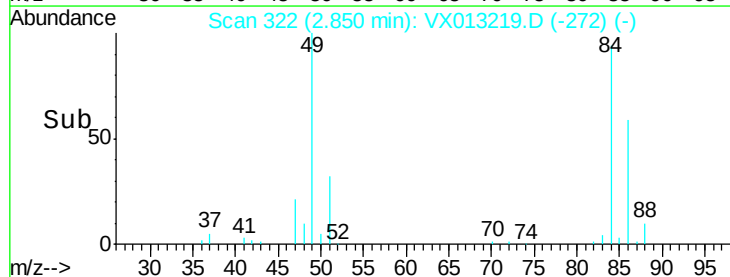
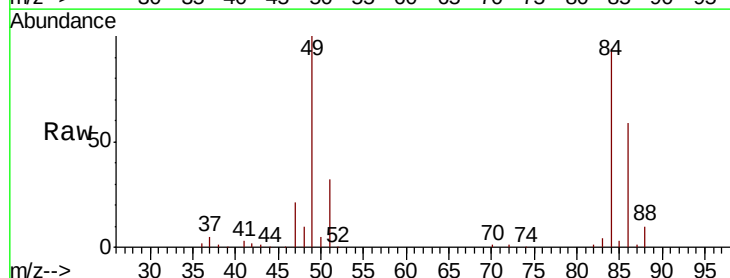
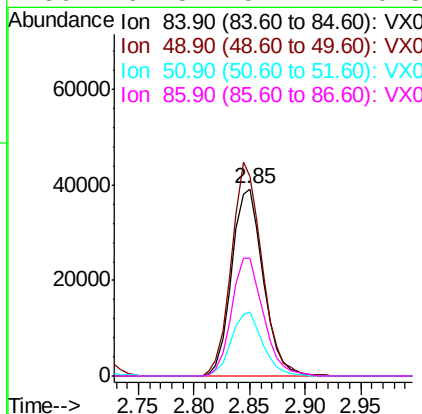
Manual Integrations
APPROVED

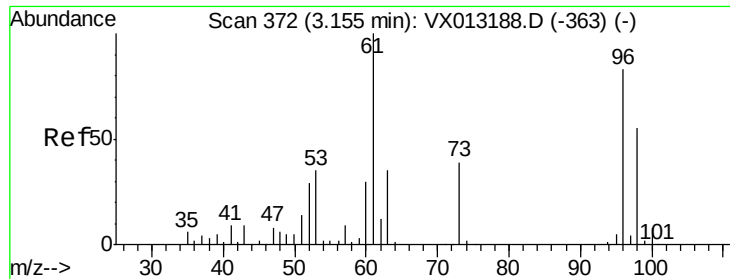
MMDadoda
10/28/2019 12:53:14 PM



#20
Methylene Chloride
Concen: 49.660 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.6	89.2	133.8
51	34.0	28.8	43.2
86	62.8	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 49.246 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

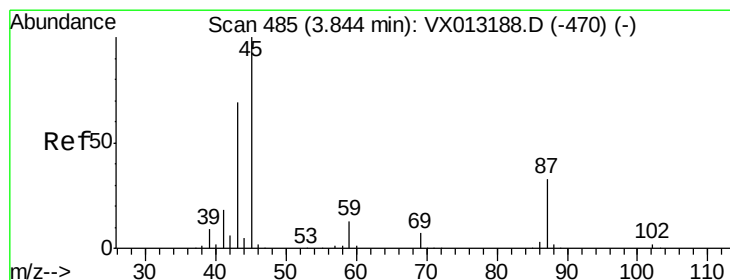
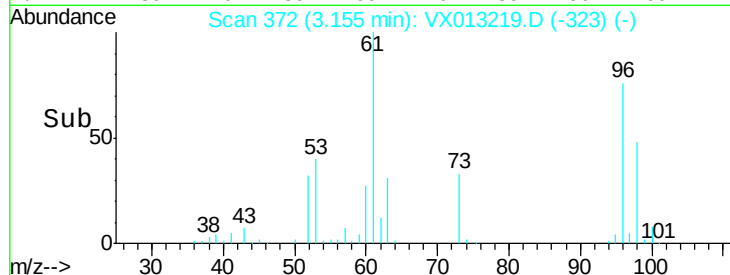
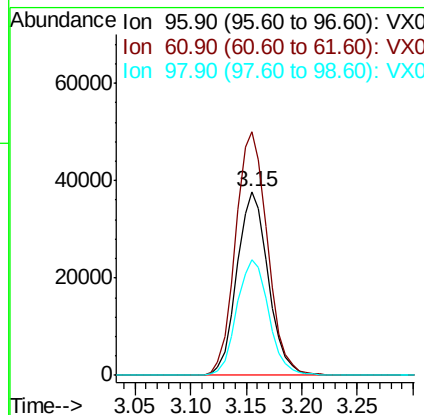
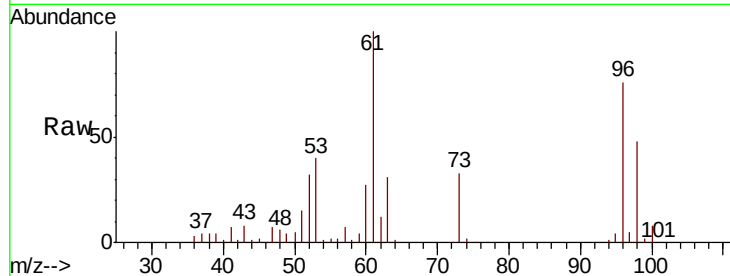
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	73413
Ion	Ratio	Lower	Upper
96	100		
61	132.4	96.9	145.3
98	63.2	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#22

Diisopropyl ether

Concen: 47.205 ug/l

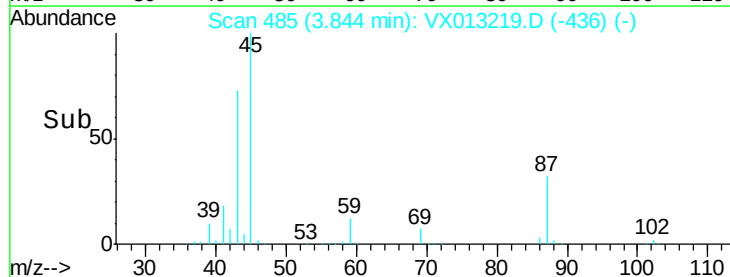
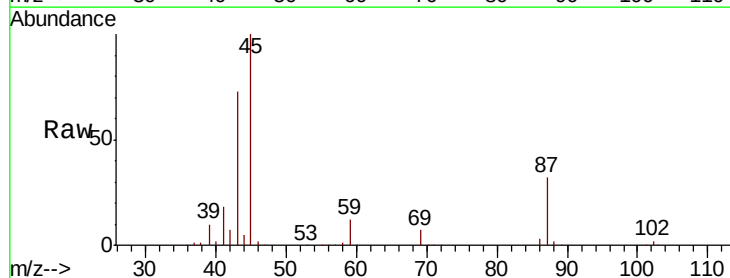
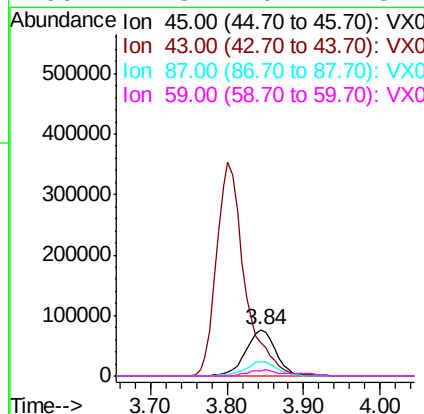
RT: 3.84 min Scan# 485

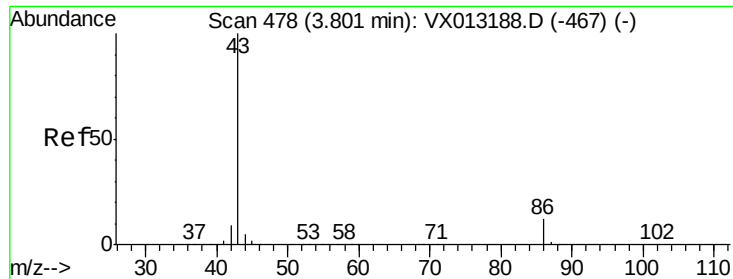
Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	45	Resp:	208222
Ion	Ratio	Lower	Upper
45	100		
43	72.6	55.5	83.3
87	31.6	26.7	40.1
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 241.146 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 904091

Ion Ratio Lower Upper

43 100

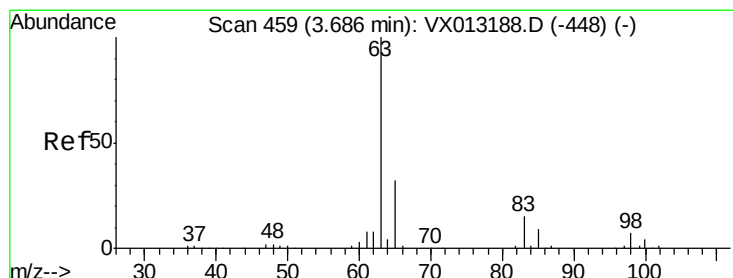
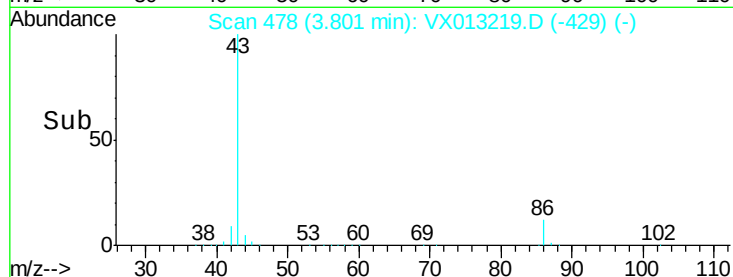
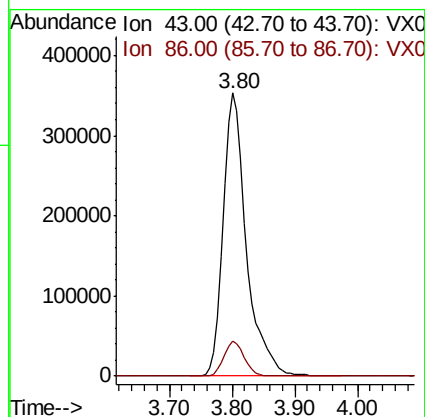
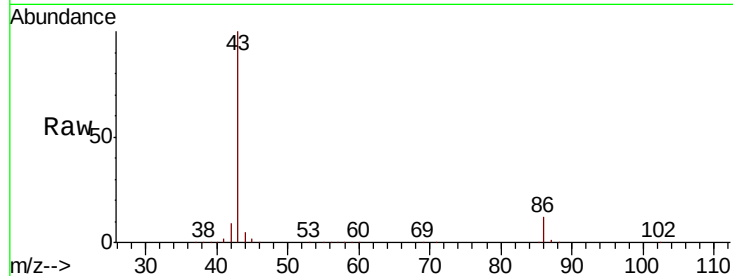
86 12.4 9.7 14.5

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



#24

1,1-Dichloroethane

Concen: 47.985 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

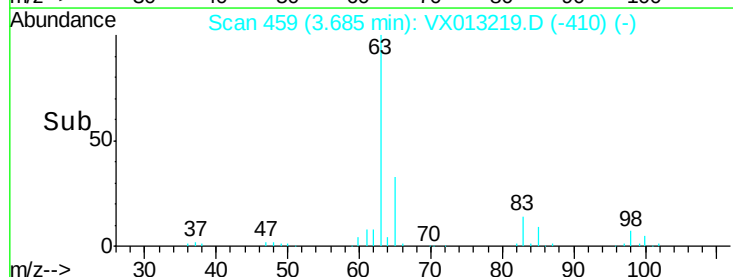
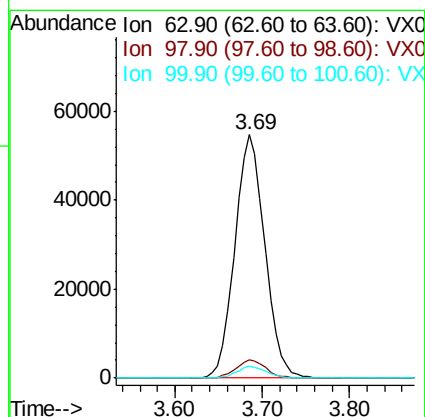
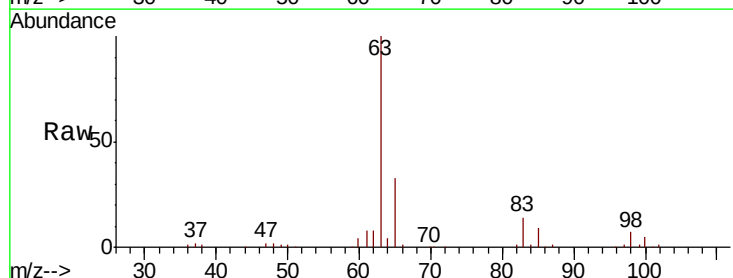
Tgt Ion: 63 Resp: 130190

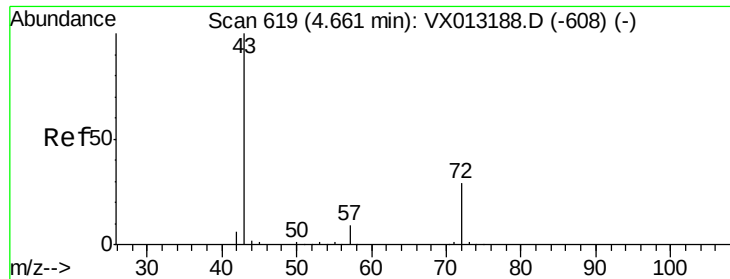
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 5.1 2.2 6.6





#25

2-Butanone

Concen: 232.069 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 257969

Ion Ratio Lower Upper

43 100

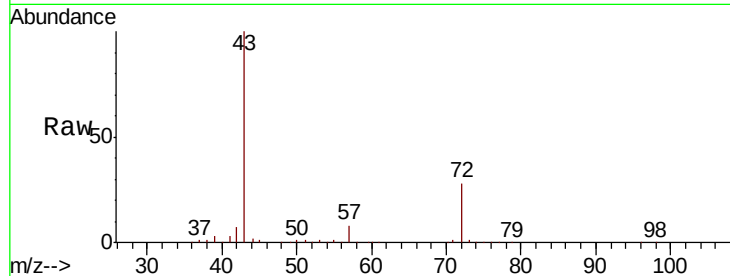
72 28.0 23.4 35.2

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

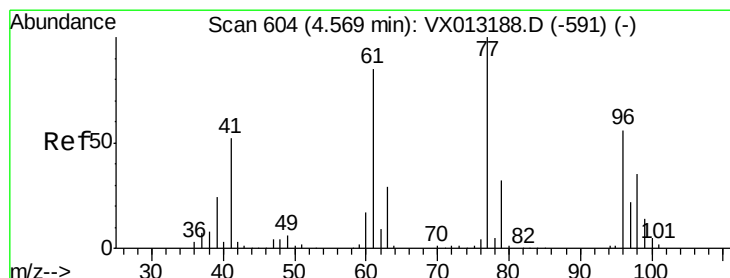
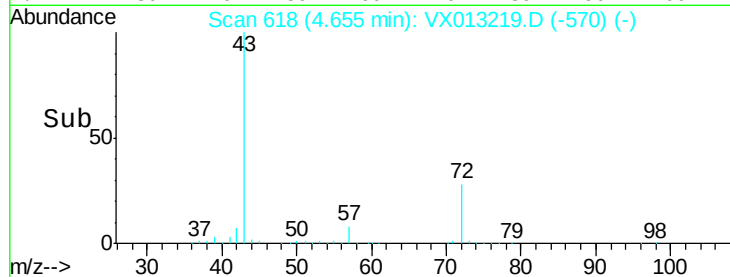
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.149 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013219.D

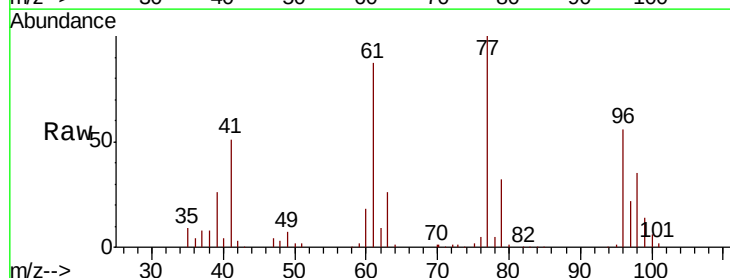
Acq: 25 Oct 2019 10:19

Tgt Ion: 77 Resp: 123239

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

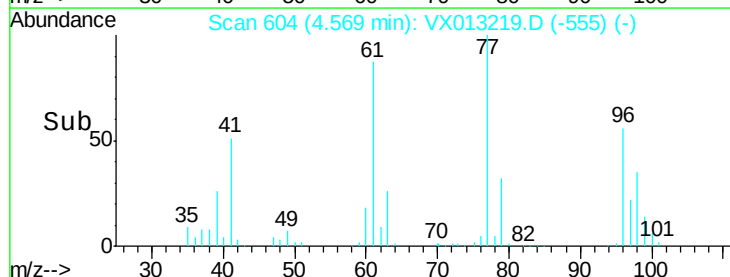
20000

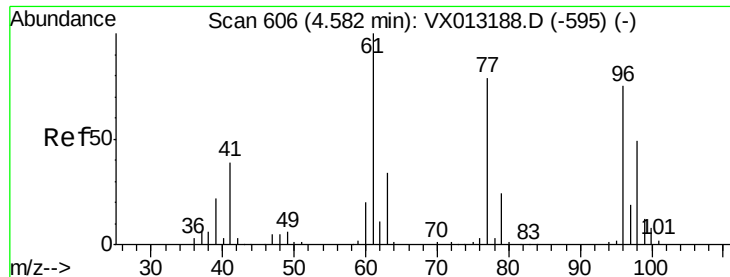
10000

0

4.50 4.60 4.70

Time-->





#27

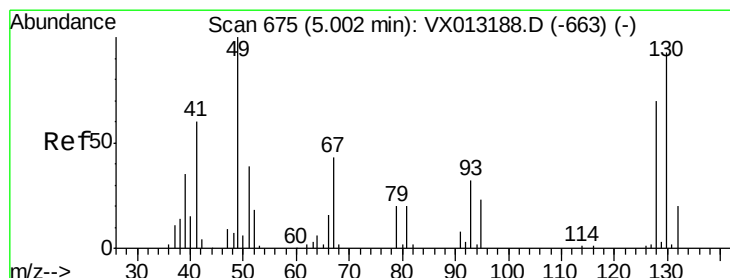
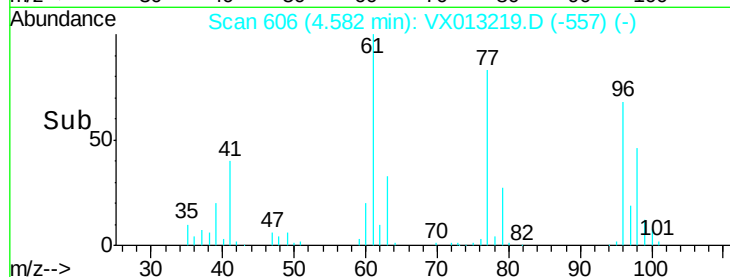
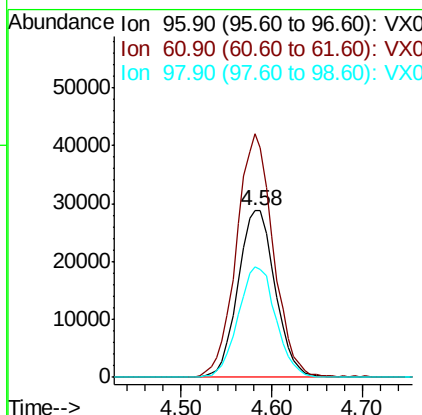
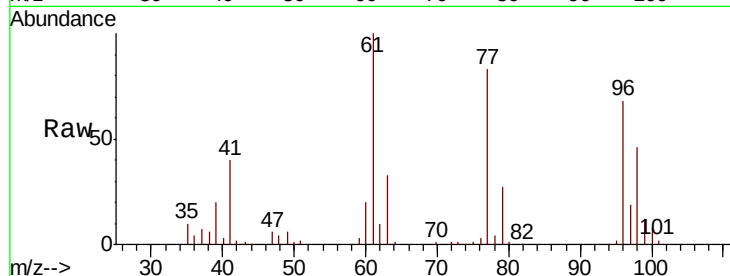
cis-1,2-Dichloroethene
Concen: 46.575 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	81735		
61	145.0		0.0	290.4
98	67.2		0.0	130.4

Manual Integrations
APPROVED

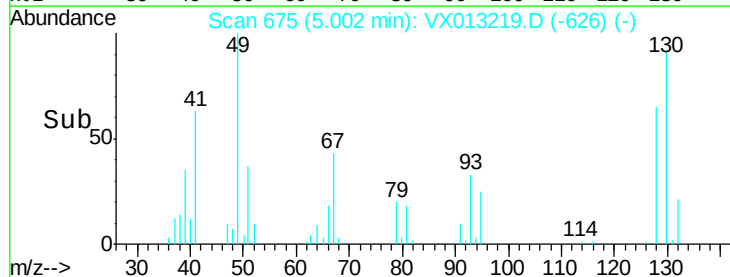
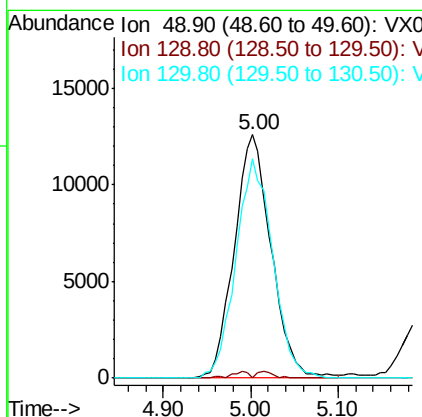
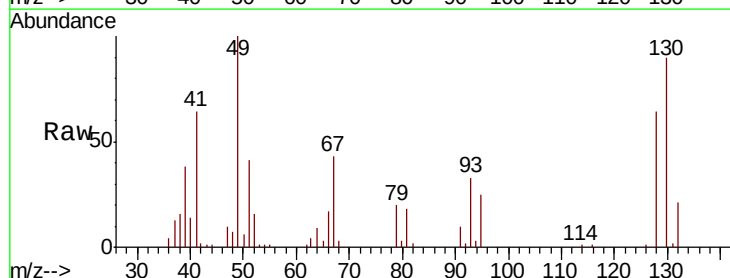
MMDadoda
10/28/2019 12:53:14 PM

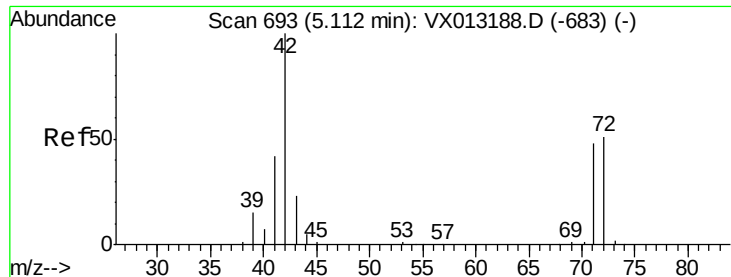


#28

Bromochloromethane
Concen: 52.686 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36859		
129	1.3		0.0	4.8
130	90.1		71.8	107.8





#29

Tetrahydrofuran

Concen: 221.336 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

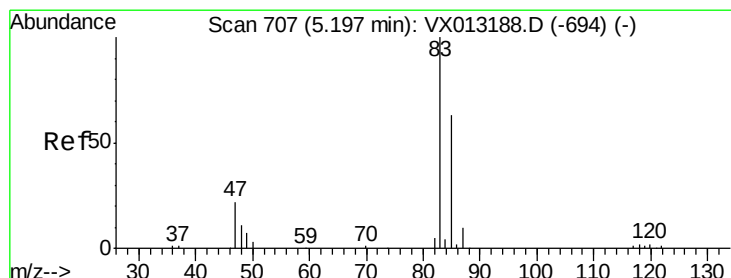
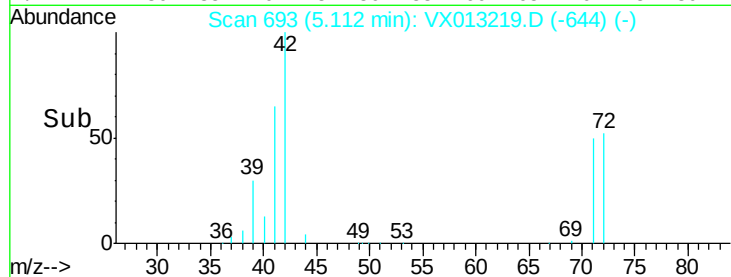
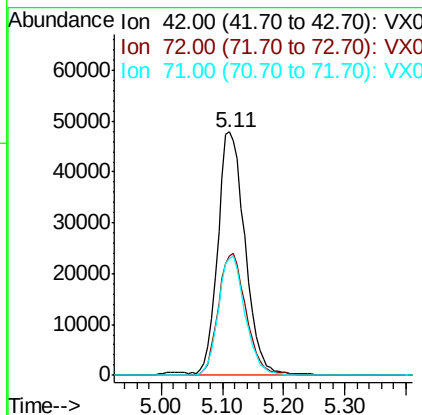
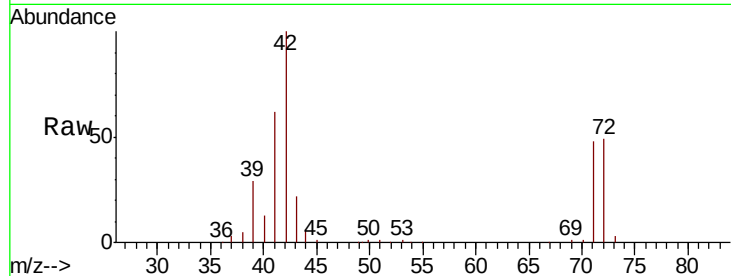
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	148303
Ion	Ratio	Lower	Upper
42	100		
72	51.1	40.9	61.3
71	47.9	38.6	57.8

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#30

Chloroform

Concen: 48.292 ug/l

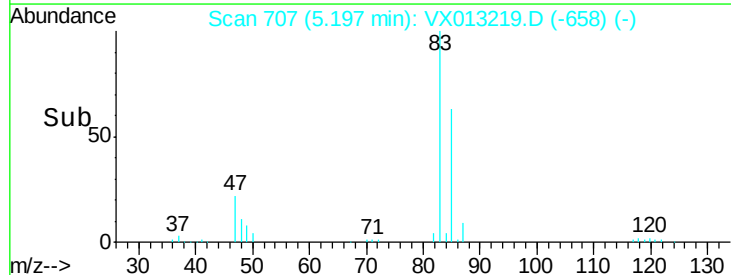
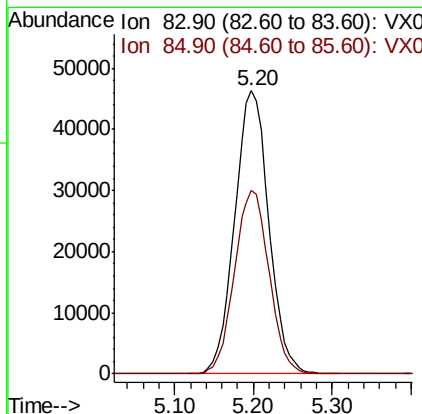
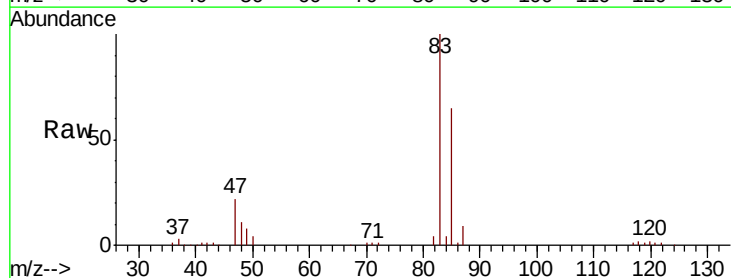
RT: 5.20 min Scan# 707

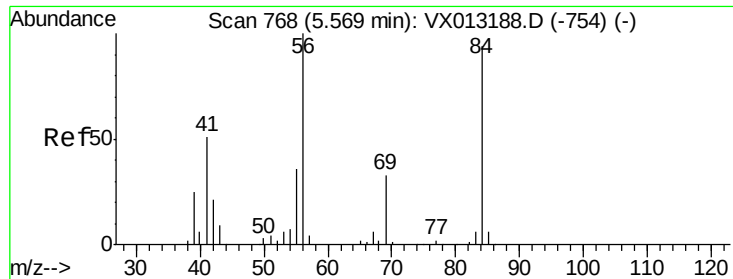
Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	83	Resp:	139501
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.1	75.1





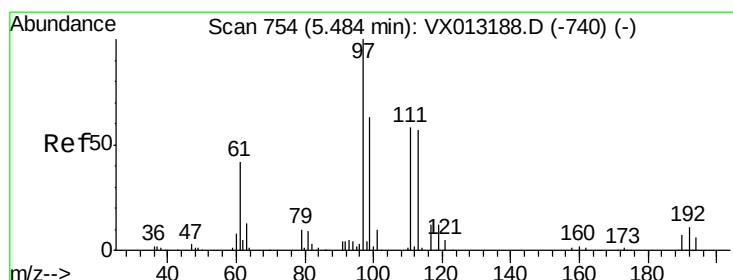
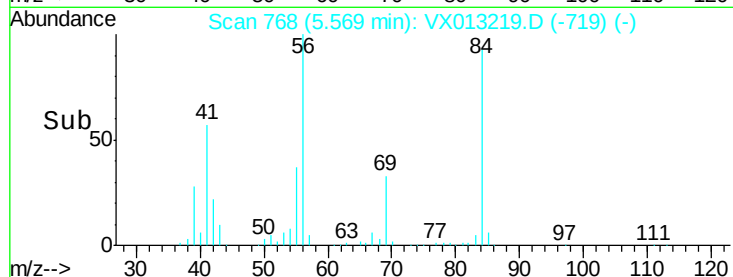
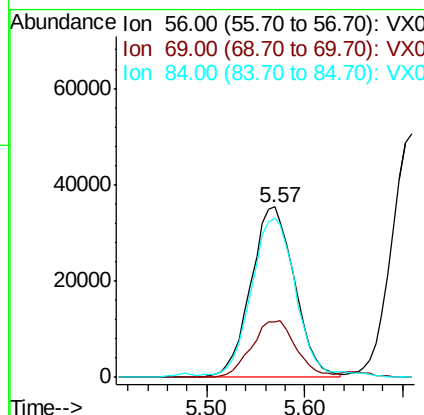
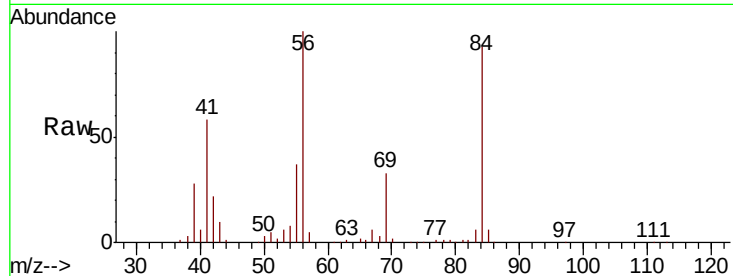
#31
Cyclohexane
Concen: 48.503 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.7	26.3	39.5	
84	91.4	73.8	110.6	

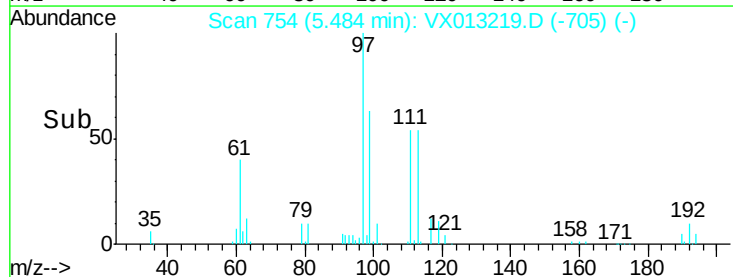
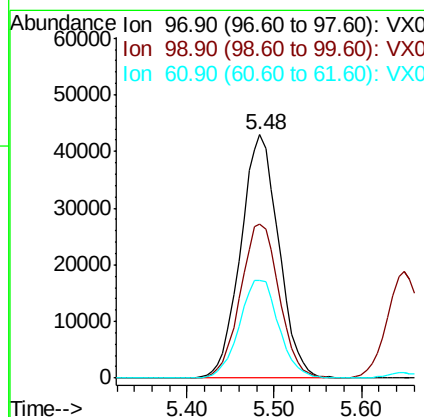
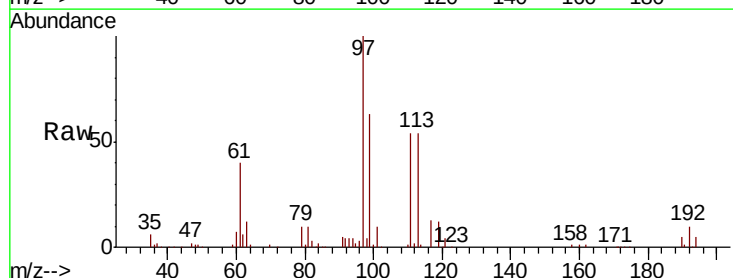
Manual Integrations
APPROVED

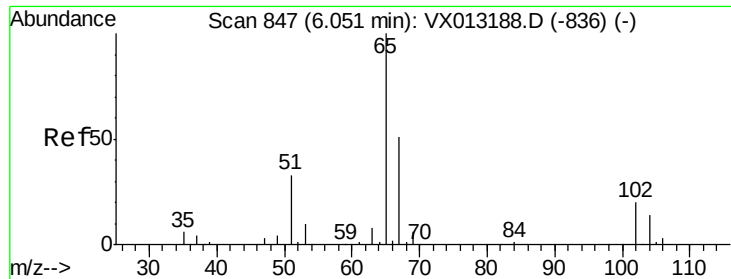
MMDadoda
10/28/2019 12:53:14 PM



#32
1,1,1-Trichloroethane
Concen: 50.437 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	50.8	76.2	
61	41.8	32.8	49.2	





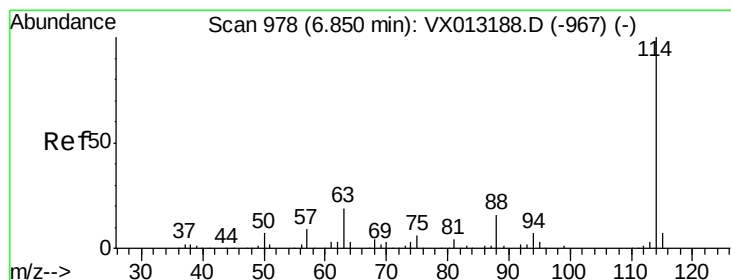
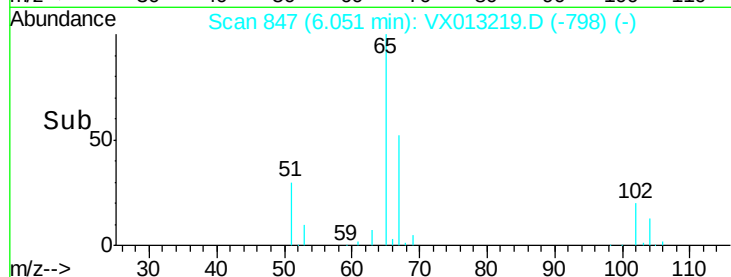
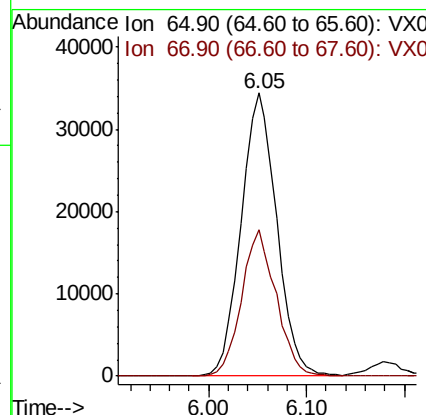
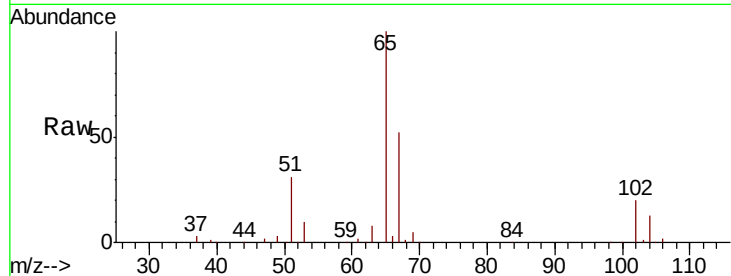
#33
 1,2-Dichloroethane-d4
 Concen: 49.482 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	102.6

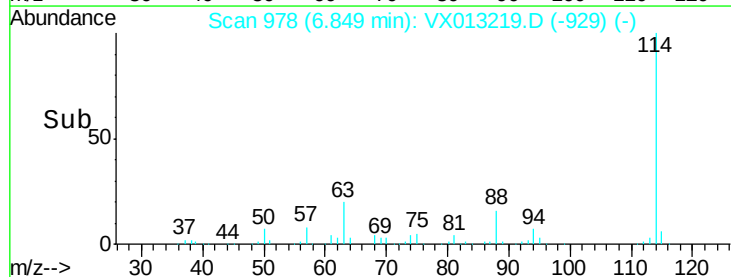
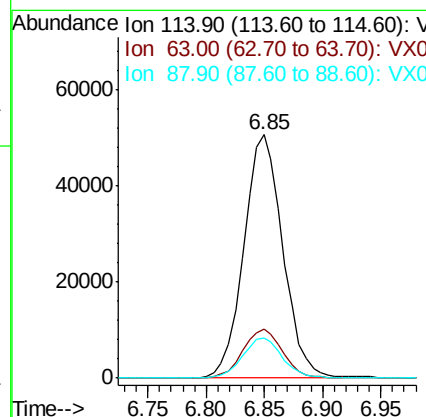
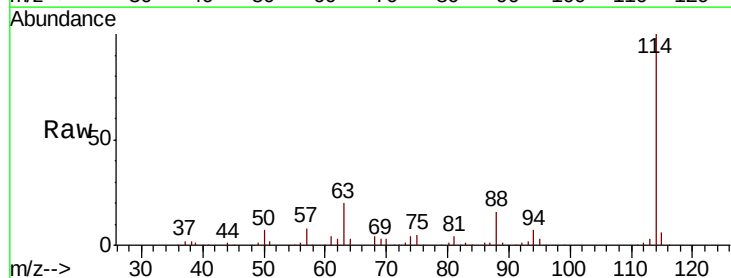
Manual Integrations
 APPROVED

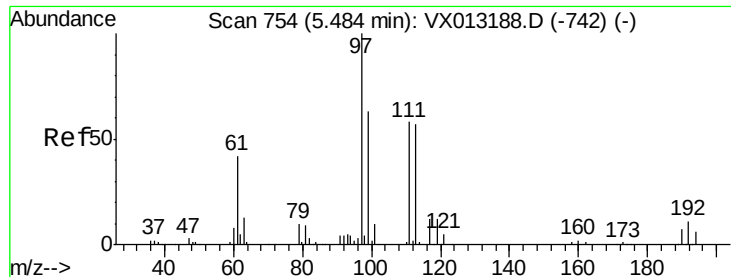
MMDadoda
 10/28/2019 12:53:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.0
88	16.4	0.0	32.0





#35

Dibromofluoromethane

Concen: 51.449 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

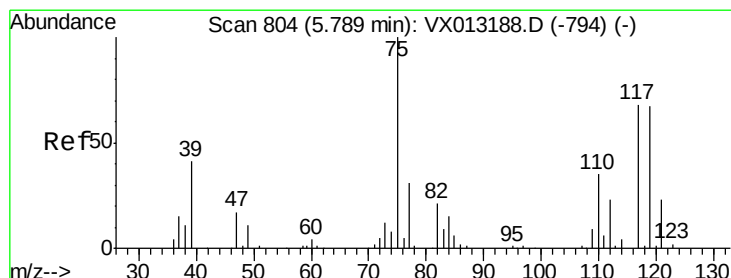
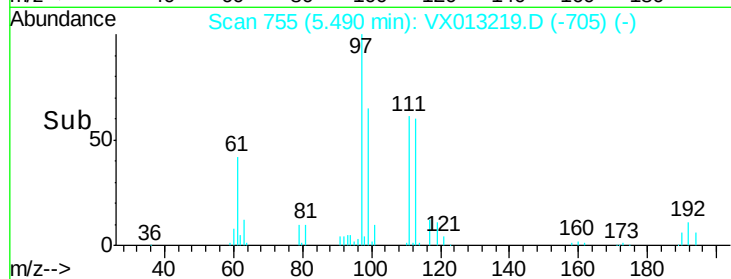
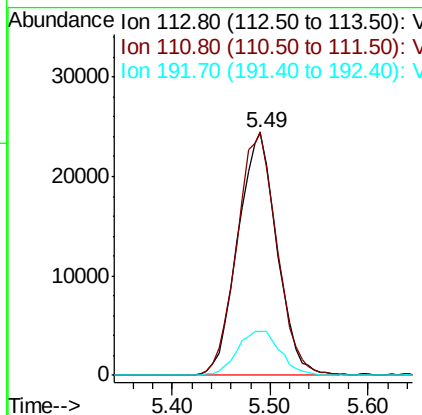
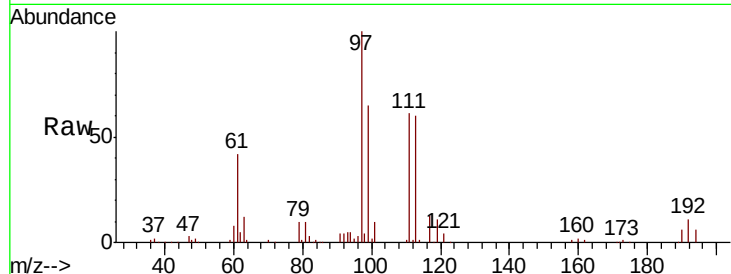
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	67801
Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.3	120.5
192	20.2	15.9	23.9

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#36

1,1-Dichloropropene

Concen: 52.024 ug/l

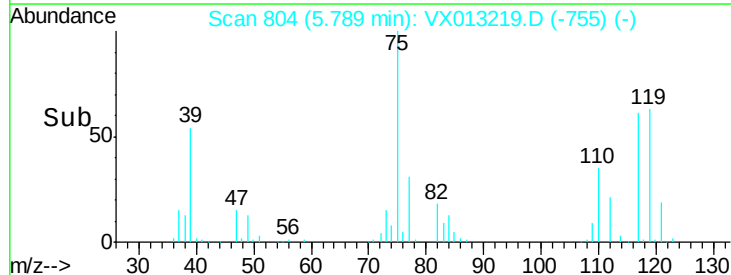
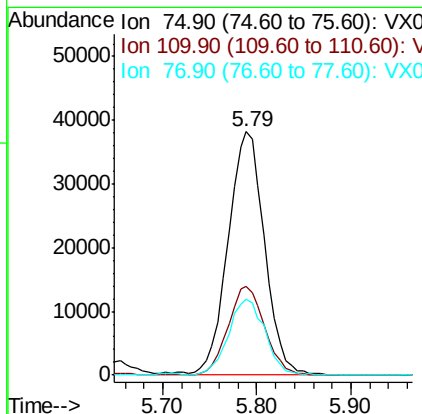
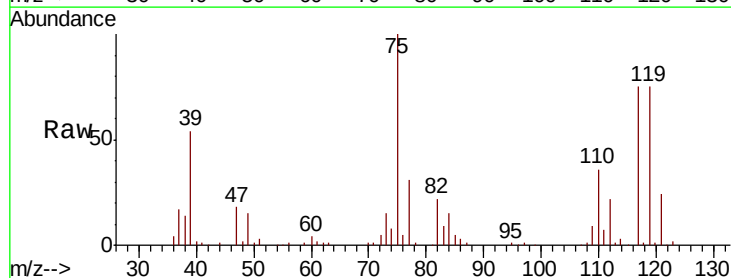
RT: 5.79 min Scan# 804

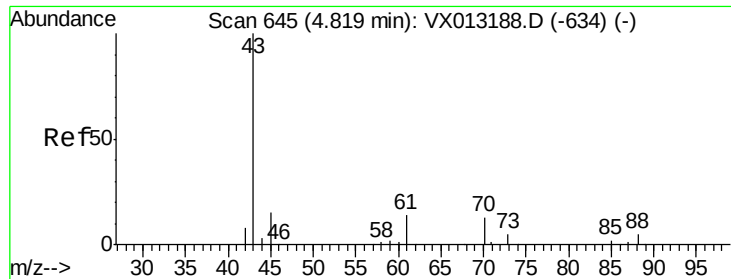
Delta R.T. 0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	75	Resp:	102906
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.6	52.9
77	31.1	24.7	37.1





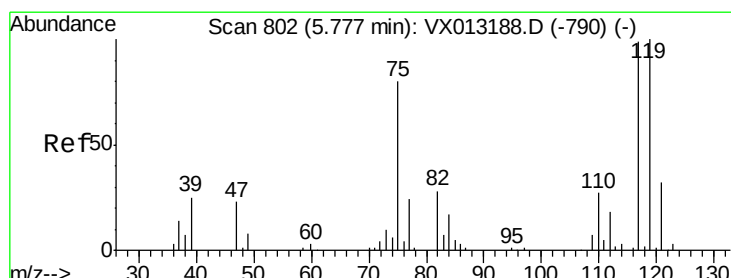
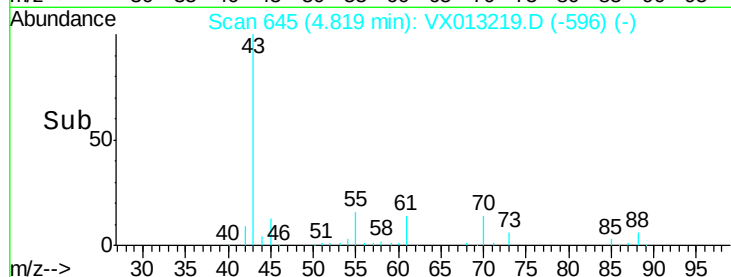
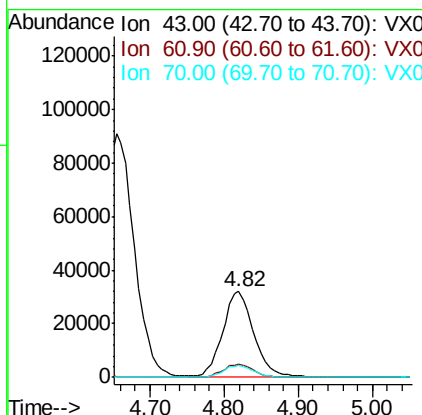
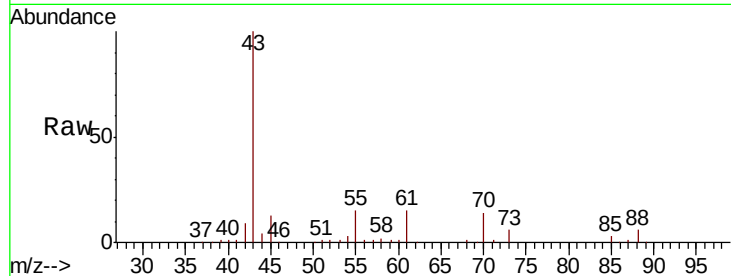
#37
Ethyl Acetate
Concen: 47.280 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	93108
Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	13.3	10.4	15.6

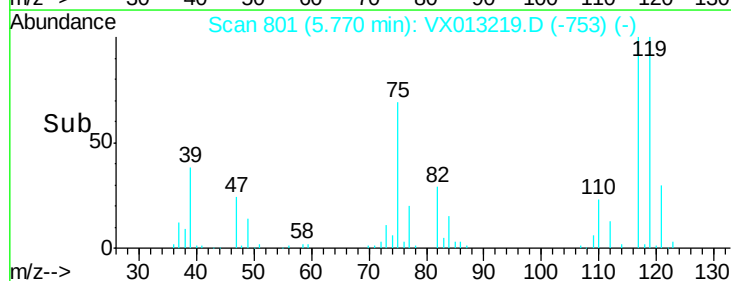
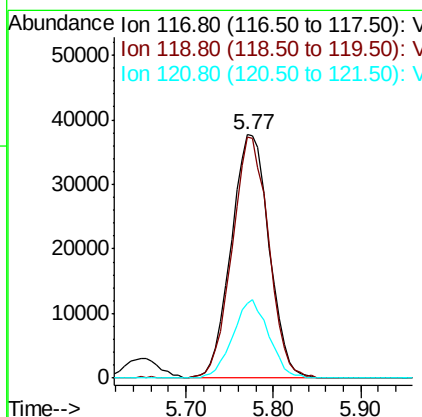
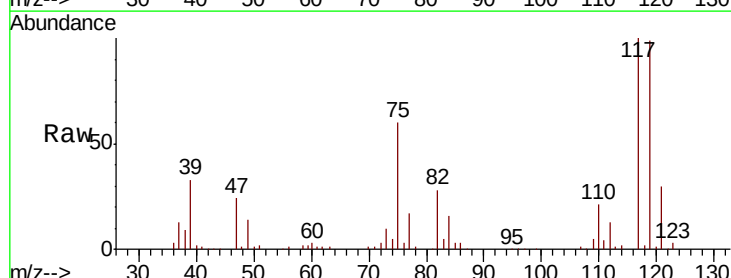
Manual Integrations
APPROVED

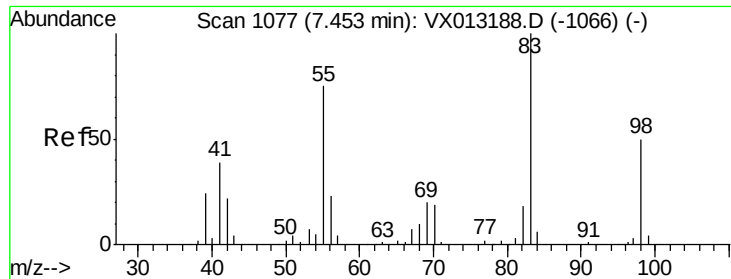
MMDadoda
10/28/2019 12:53:14 PM



#38
Carbon Tetrachloride
Concen: 51.891 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion:	117	Resp:	113347
Ion	Ratio	Lower	Upper
117	100		
119	98.9	80.1	120.1
121	30.4	25.5	38.3





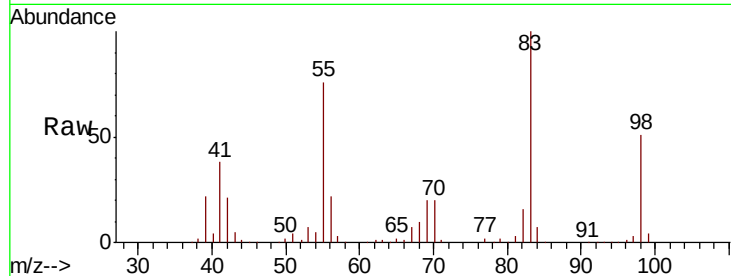
#39
Methylvlcyclohexane
Concen: 48.940 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	60.1	90.1	
98	50.6	39.8	59.8	

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM

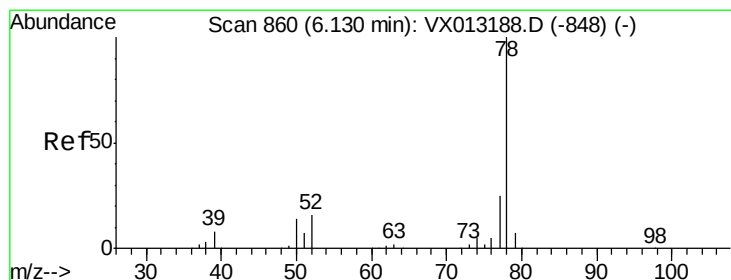
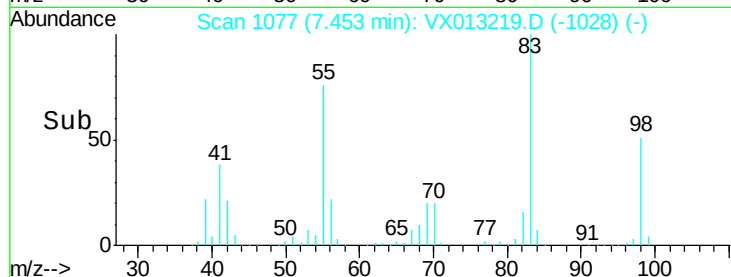
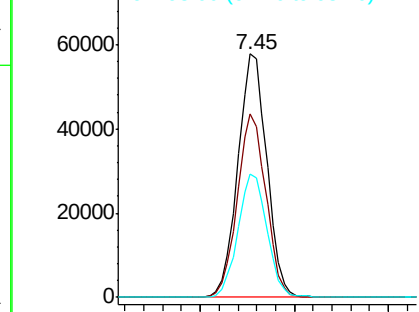


Abundance

Ion 83.00 (82.70 to 83.70): VX0

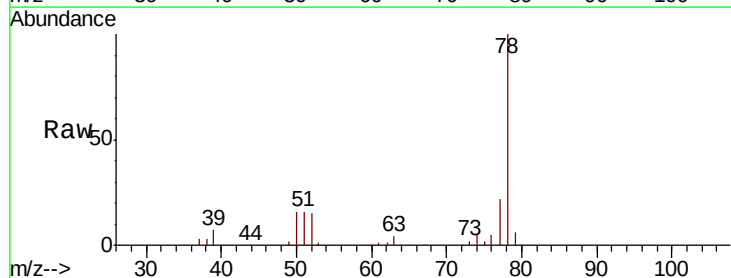
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 49.631 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

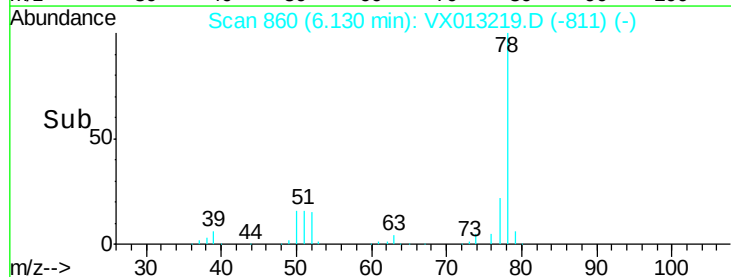
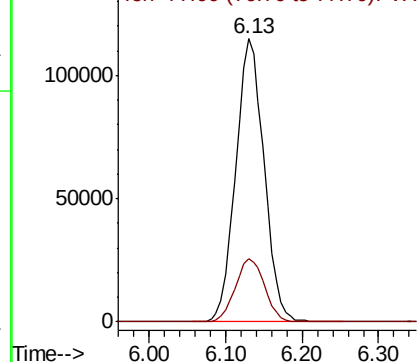
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.4	19.6	29.4	

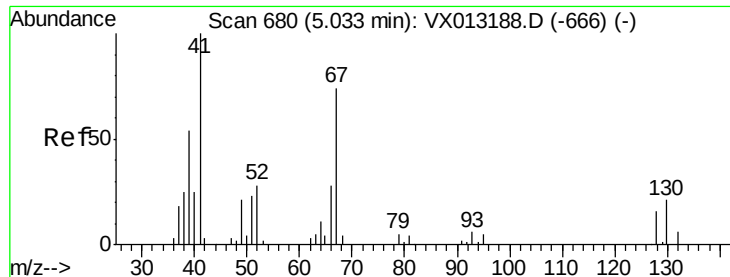


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 49.593 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

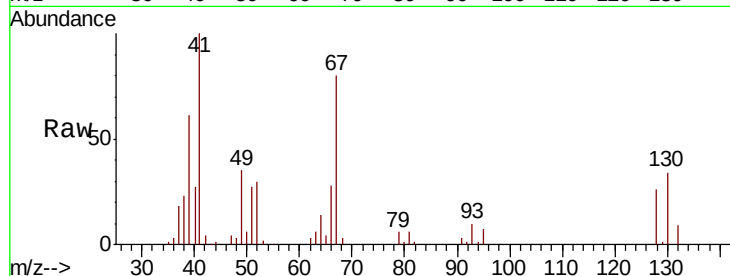
ClientSampleId :

VSTDCCC050

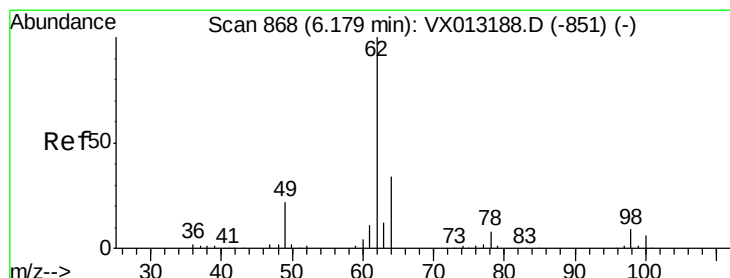
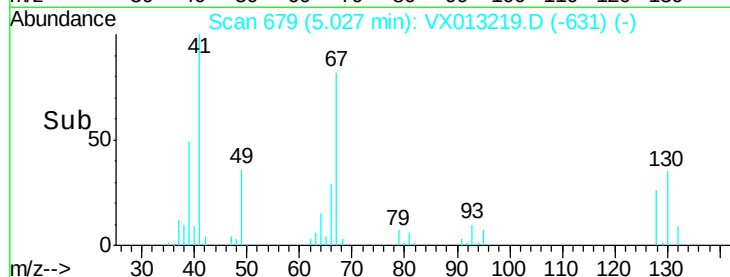
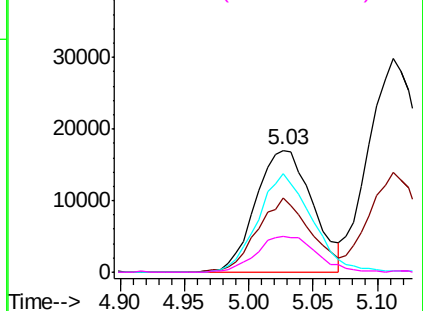
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	45.2	67.8	
67	76.2	61.3	91.9	
52	31.2	25.1	37.7	

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.654 ug/l

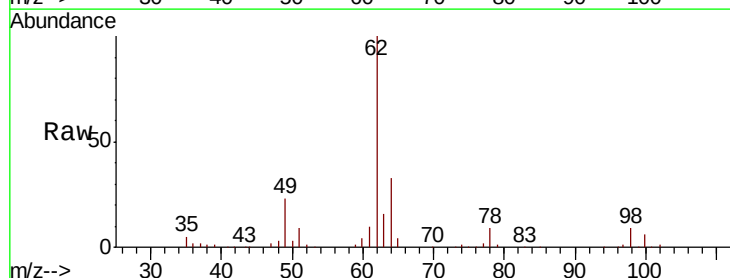
RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

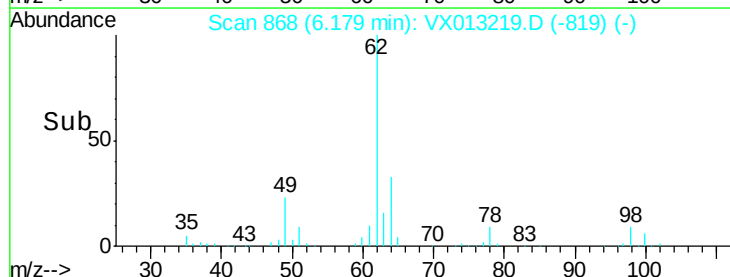
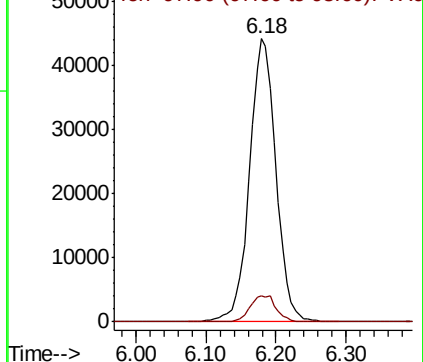
Lab File: VX013219.D

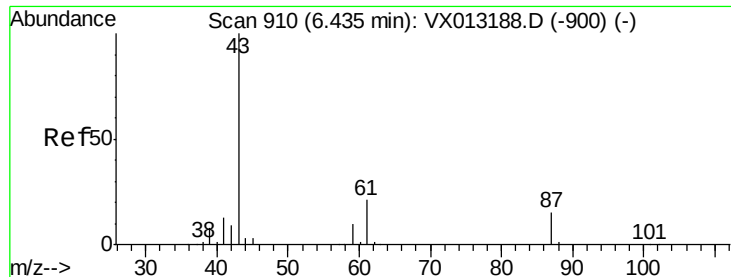
Acq: 25 Oct 2019 10:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.4	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 48.738 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

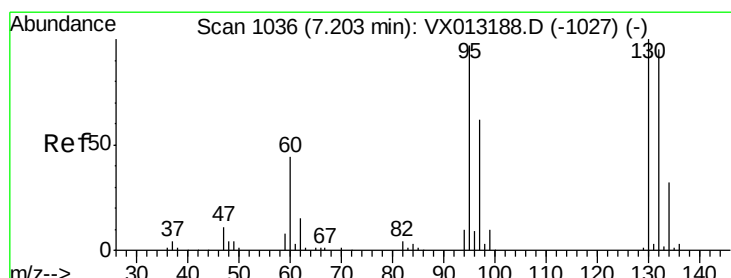
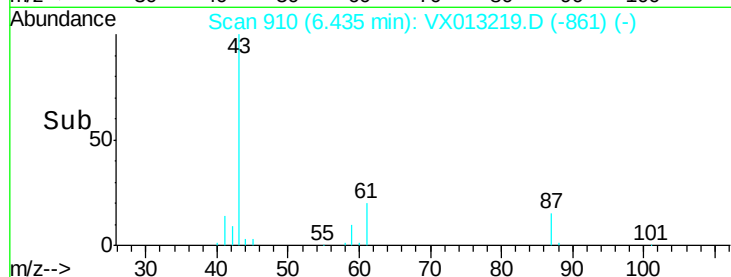
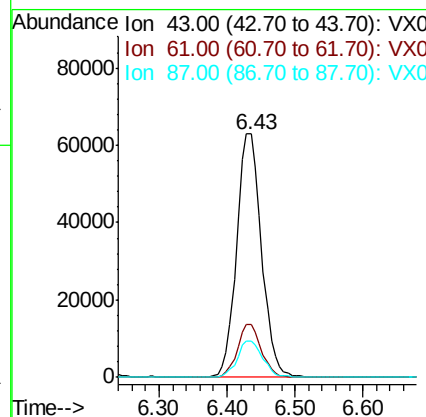
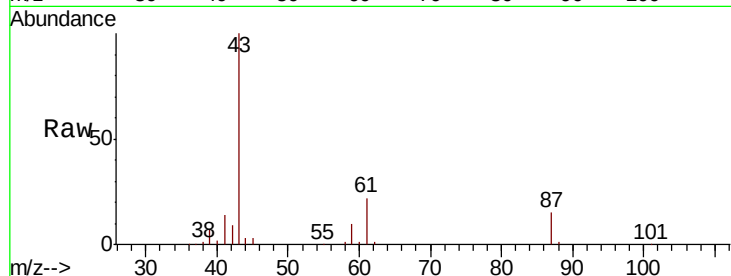
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	159356
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	15.4	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#44

Trichloroethene

Concen: 49.586 ug/l

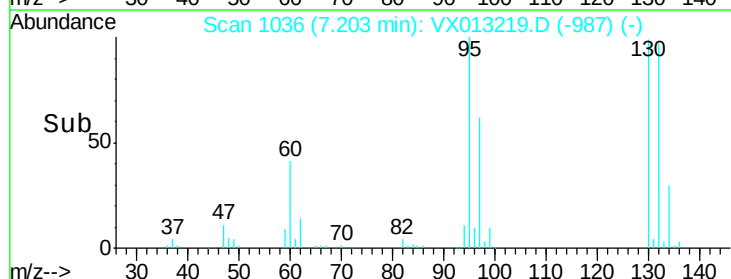
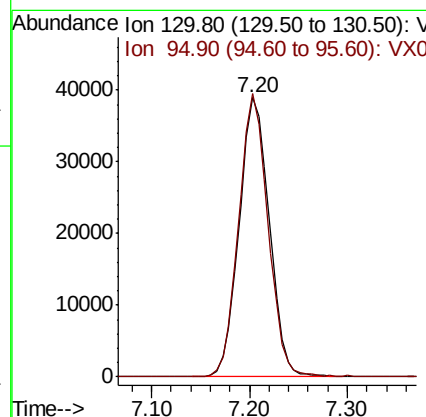
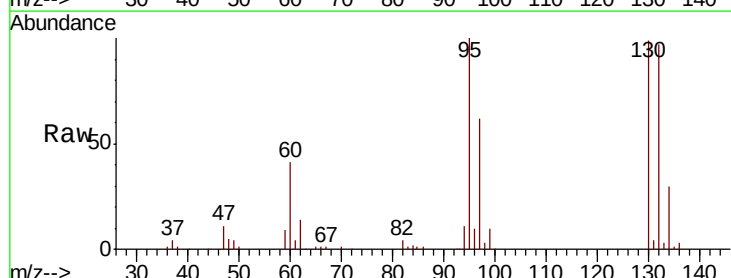
RT: 7.20 min Scan# 1036

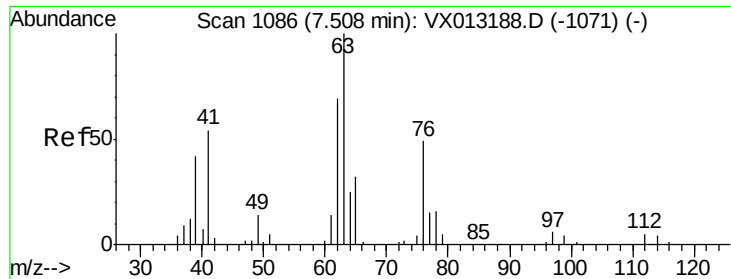
Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	130	Resp:	83535
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	193.6





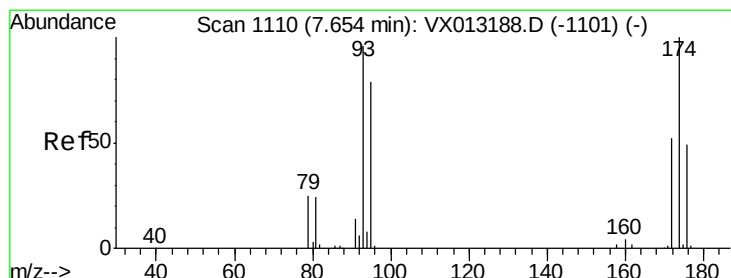
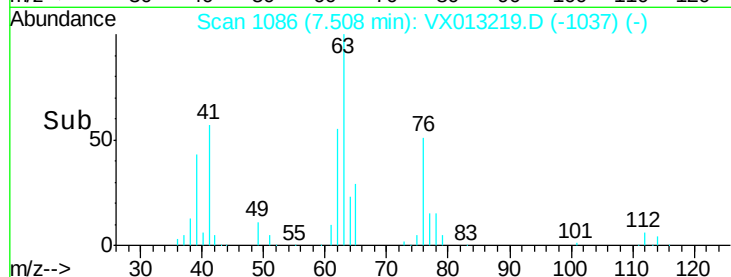
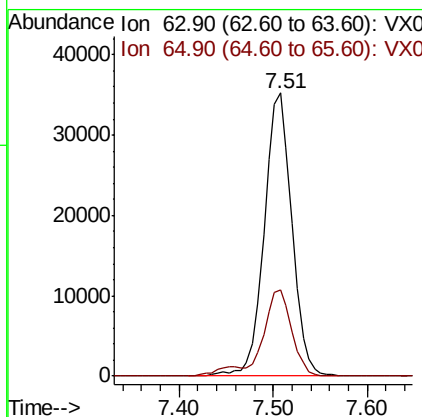
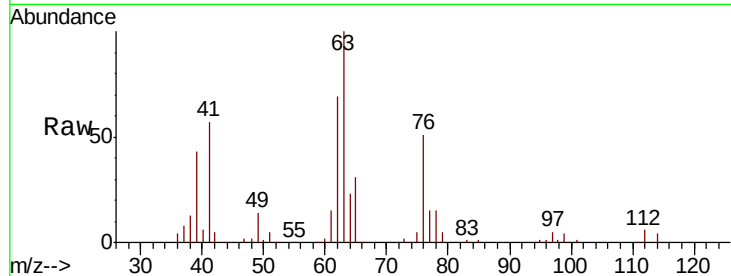
#45
 1,2-Dichloropropane
 Concen: 48.779 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 72519
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.3 37.9

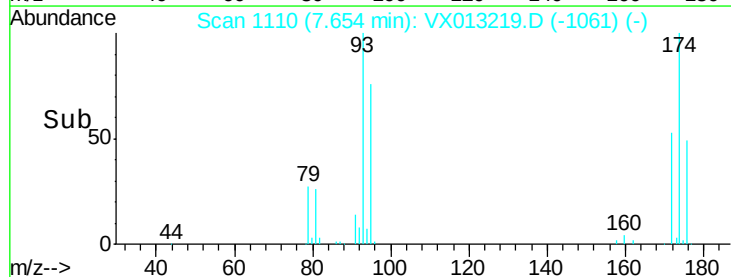
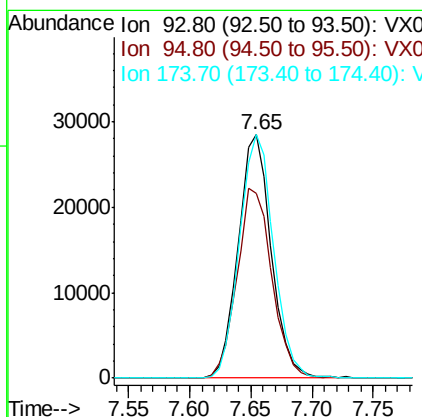
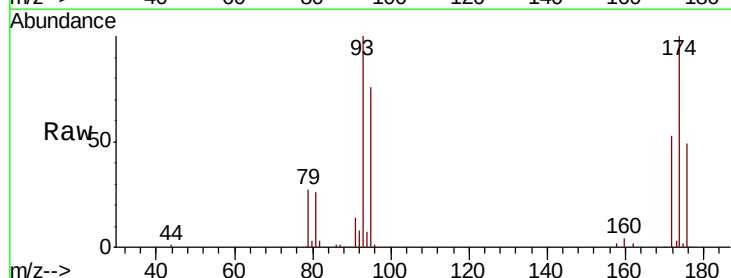
Manual Integrations
 APPROVED

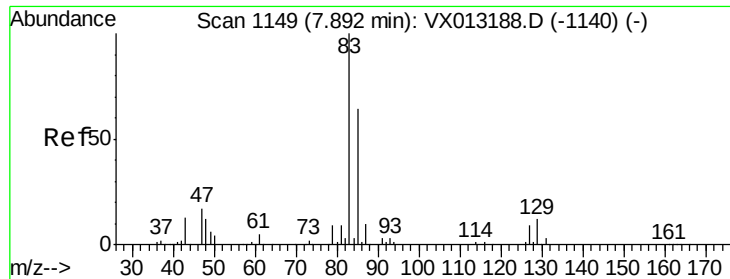
MMDadoda
 10/28/2019 12:53:14 PM



#46
 Dibromomethane
 Concen: 49.821 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion: 93 Resp: 53364
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 103.1 85.2 127.8





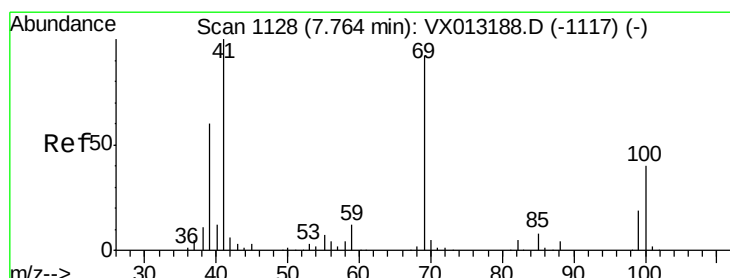
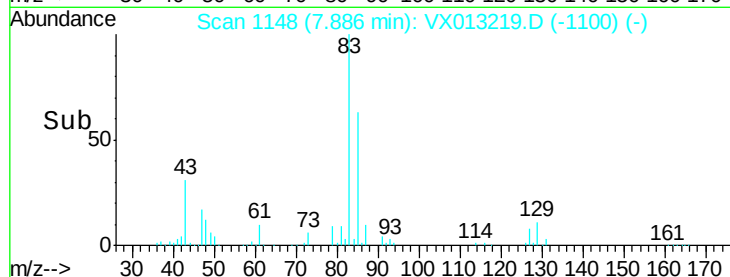
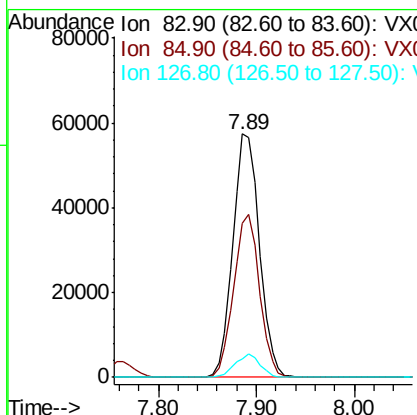
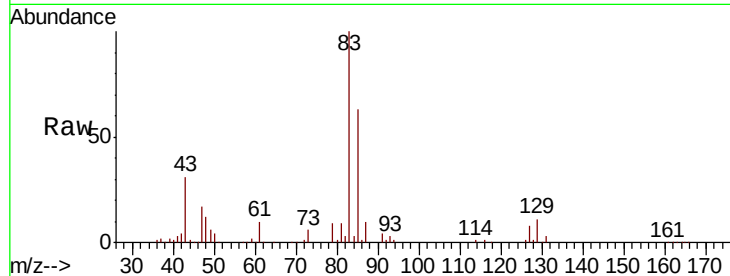
#47
Bromodichloromethane
Concen: 51.863 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.6
127	7.7	7.2	10.8

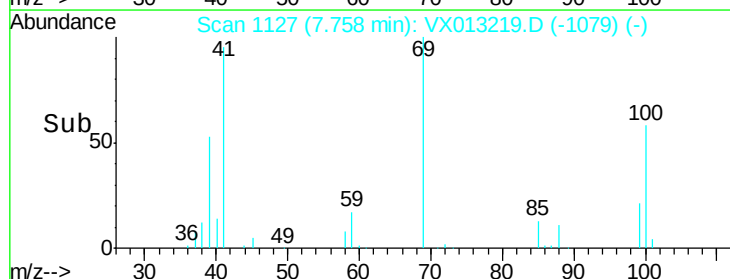
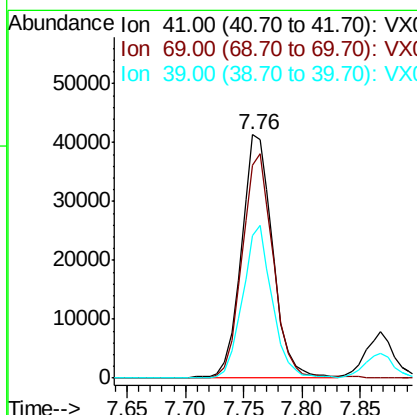
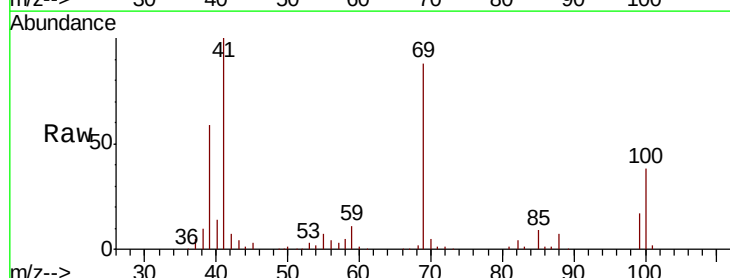
Manual Integrations
APPROVED

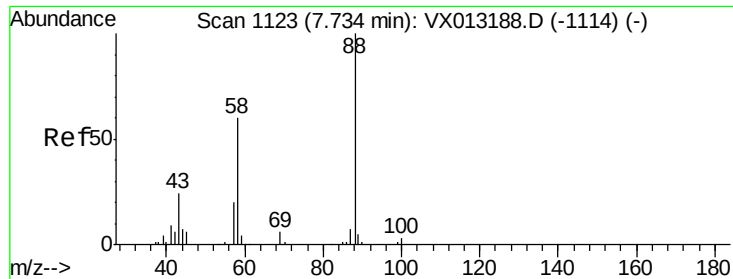
MMDadoda
10/28/2019 12:53:14 PM



#48
Methyl methacrylate
Concen: 48.003 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.2	72.0	108.0
39	58.9	47.4	71.0





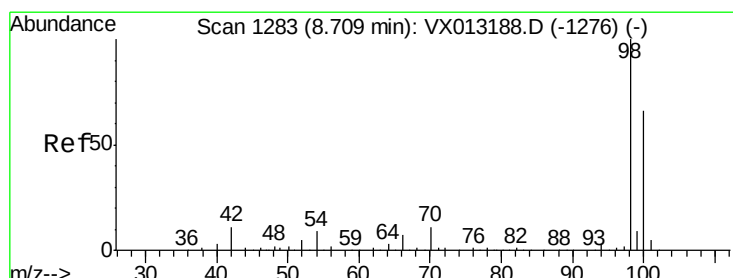
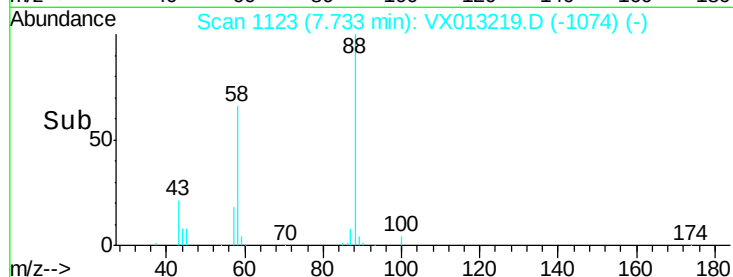
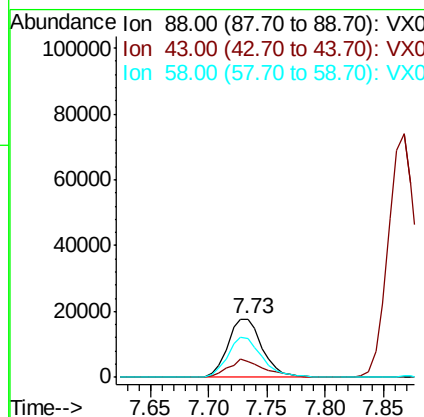
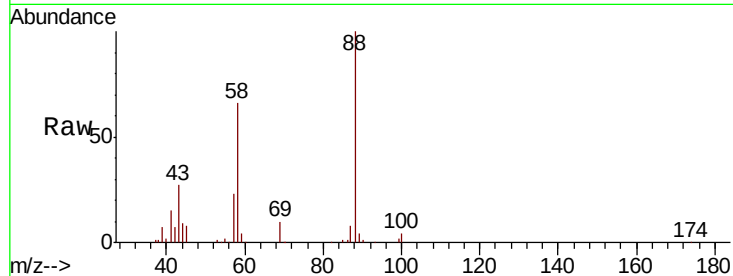
#49
1,4-Dioxane
Concen: 879.796 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.5	36.7
58	68.4	54.1	81.1

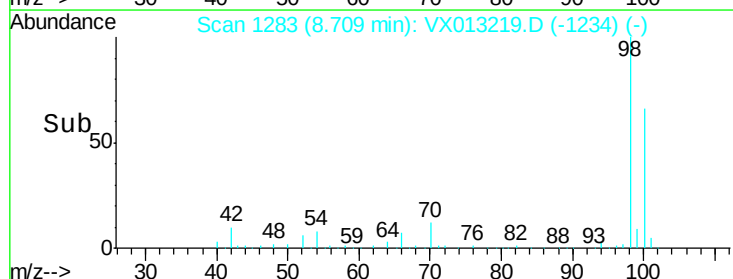
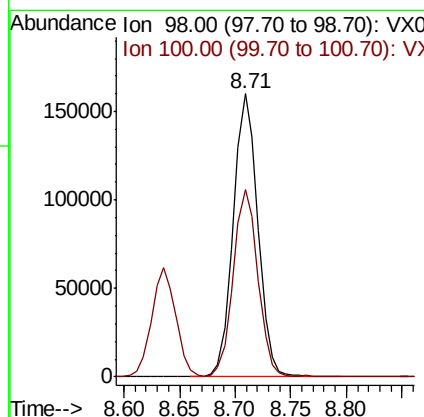
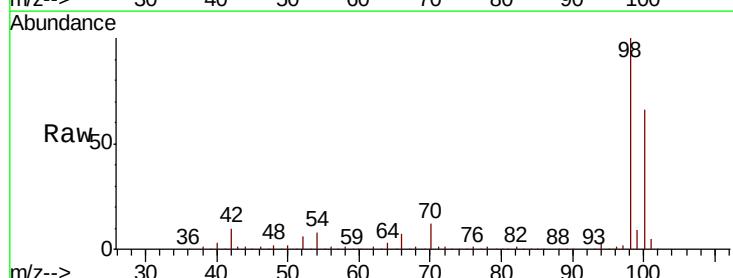
Manual Integrations
APPROVED

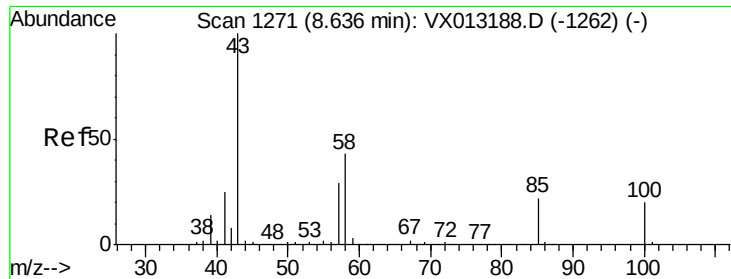
MMDadoda
10/28/2019 12:53:14 PM



#50
Toluene-d8
Concen: 50.073 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 237.408 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 473142

Ion Ratio Lower Upper

43 100

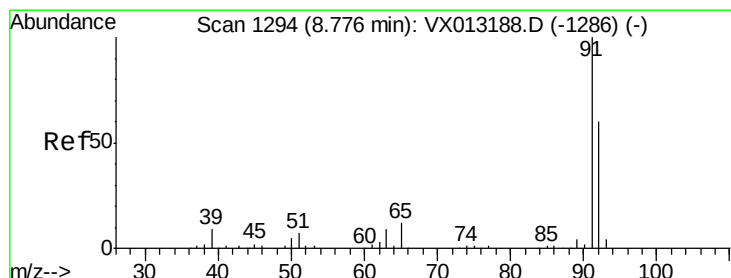
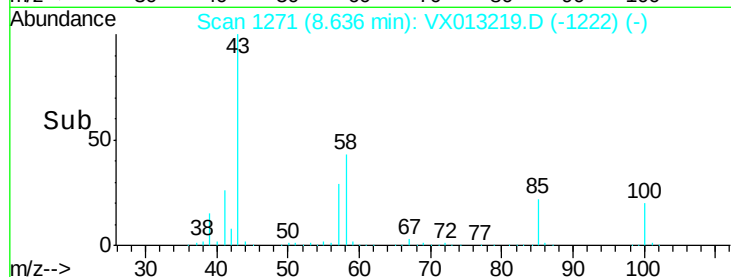
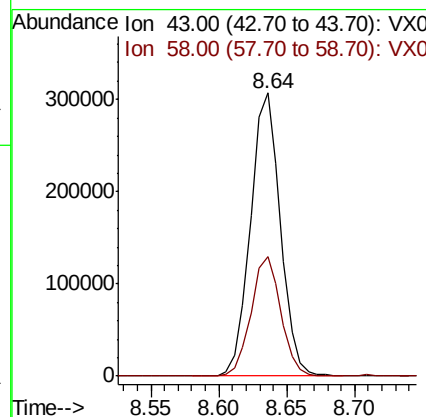
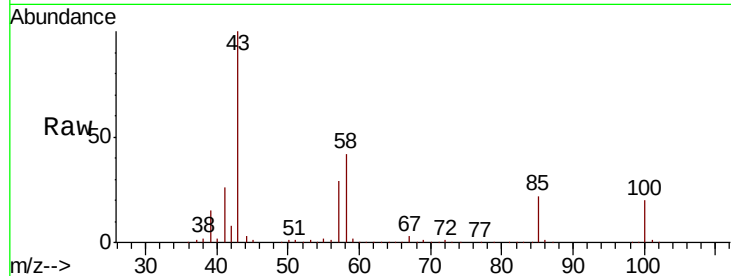
58 42.1 33.9 50.9

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



#52

Toluene

Concen: 49.092 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013219.D

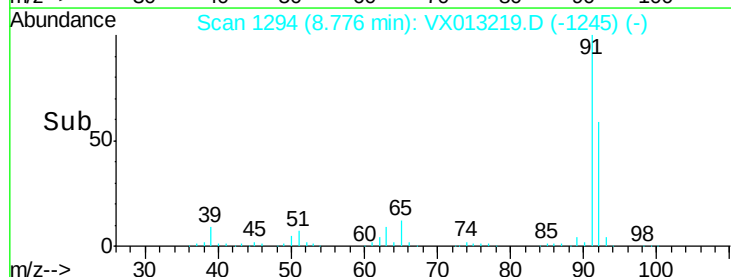
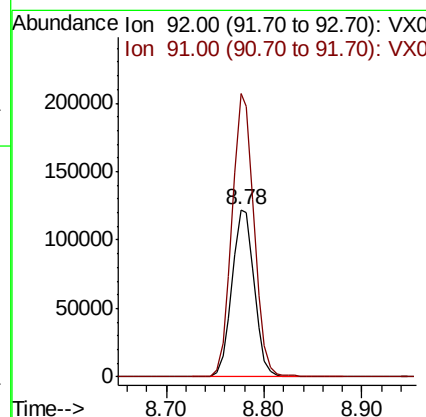
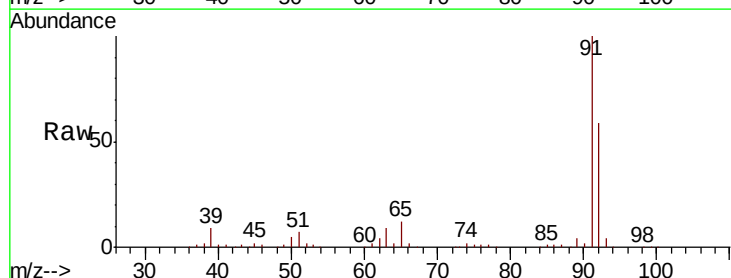
Acq: 25 Oct 2019 10:19

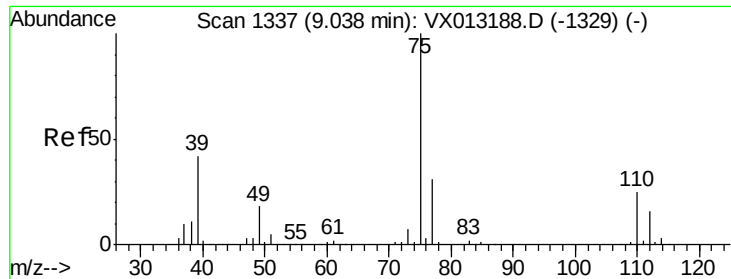
Tgt Ion: 92 Resp: 193114

Ion Ratio Lower Upper

92 100

91 167.7 133.9 200.9





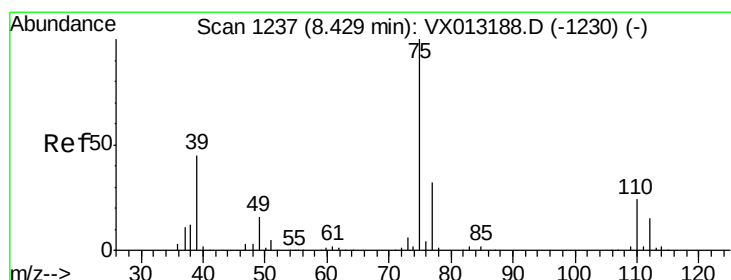
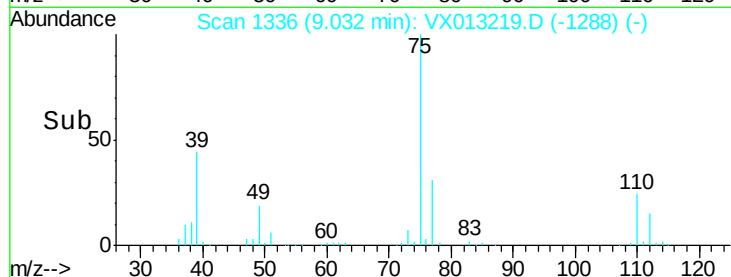
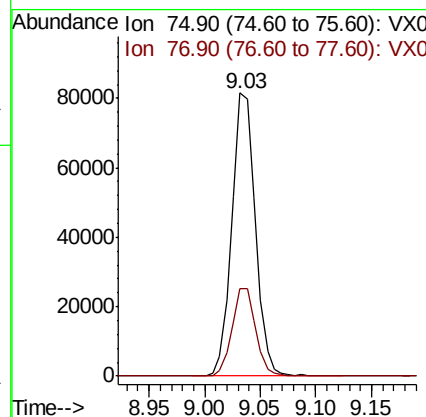
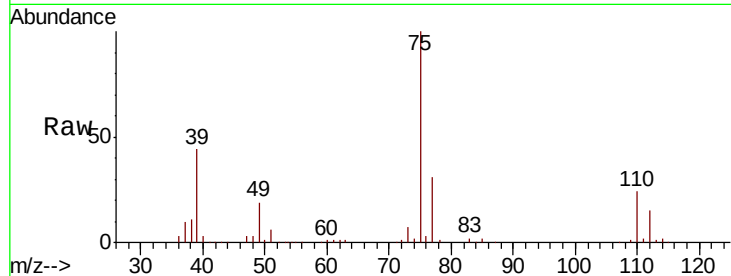
#53
t-1,3-Dichloropropene
Concen: 53.925 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 119618
Ion Ratio Lower Upper
75 100
77 31.1 24.7 37.1

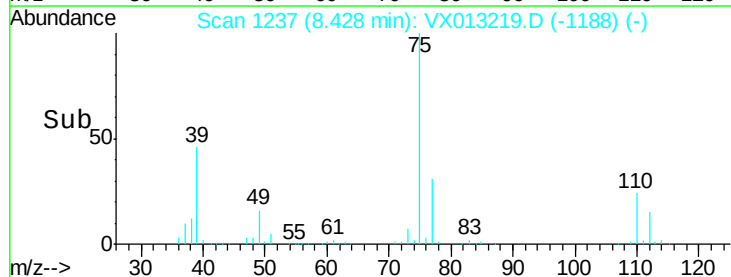
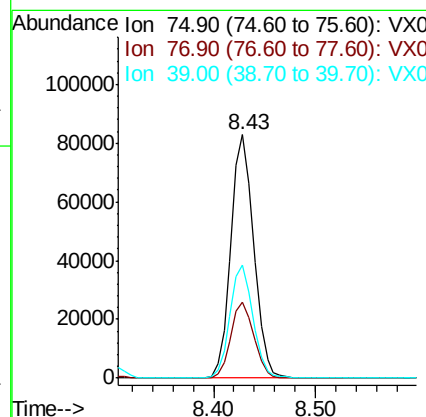
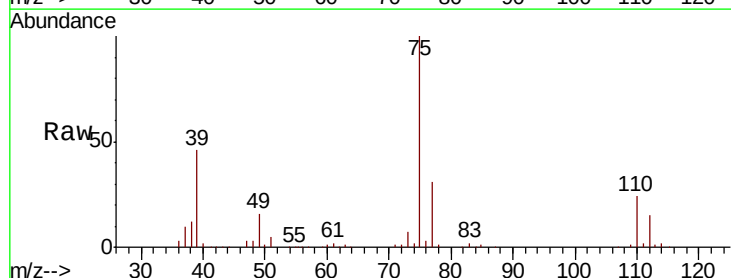
Manual Integrations
APPROVED

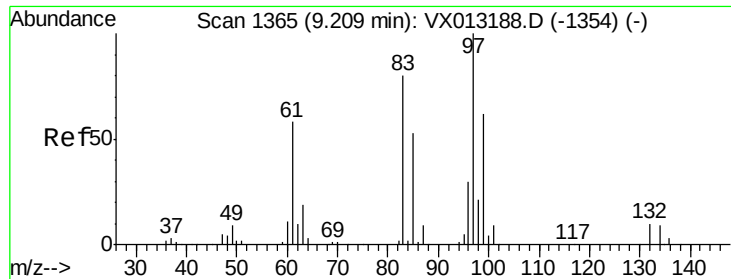
MMDadoda
10/28/2019 12:53:14 PM



#54
cis-1,3-Dichloropropene
Concen: 52.855 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion: 75 Resp: 128258
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 46.5 36.2 54.4





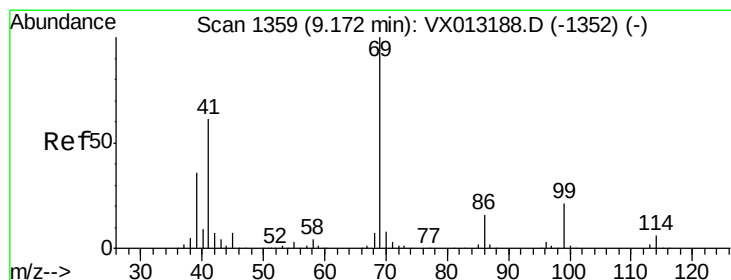
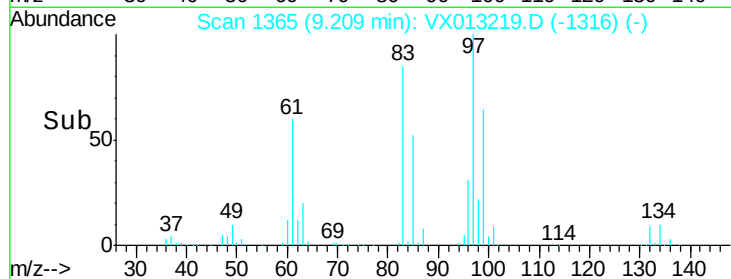
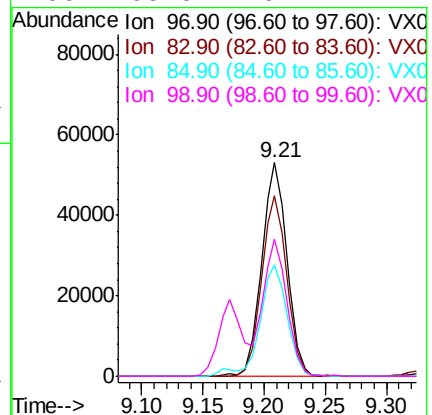
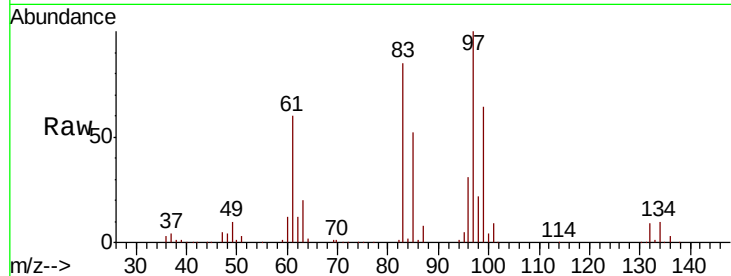
#55
 1,1,2-Trichloroethane
 Concen: 49.378 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	76796
Ion	Ratio	Lower	Upper
97	100		
83	84.6	64.1	96.1
85	52.4	42.1	63.1
99	63.8	49.4	74.2

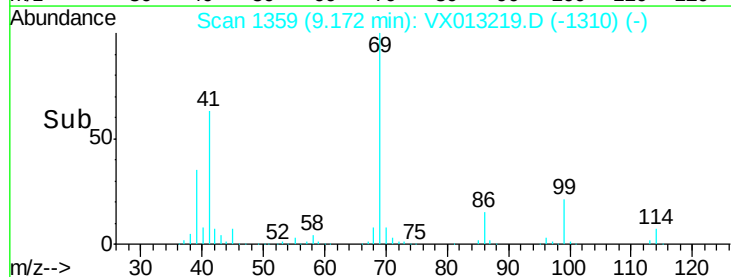
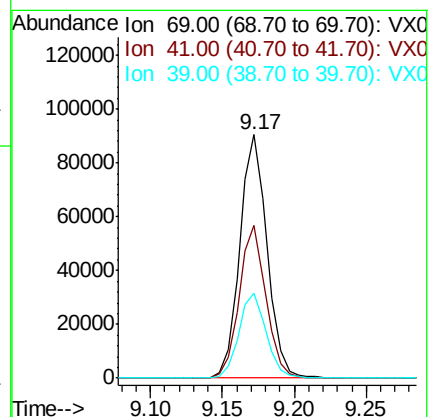
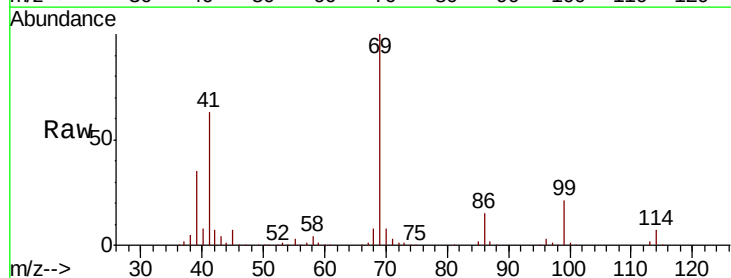
Manual Integrations
 APPROVED

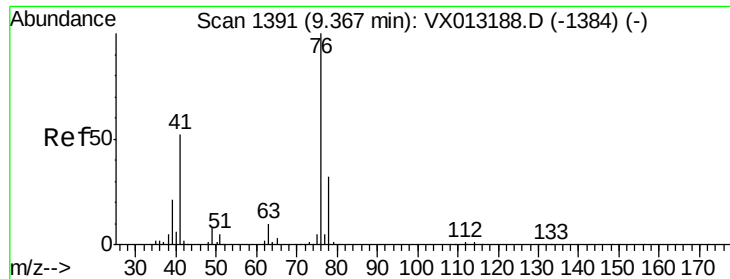
MMDadoda
 10/28/2019 12:53:14 PM



#56
 Ethyl methacrylate
 Concen: 51.034 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion	69	Resp	119459
Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.5	74.3
39	35.1	28.3	42.5





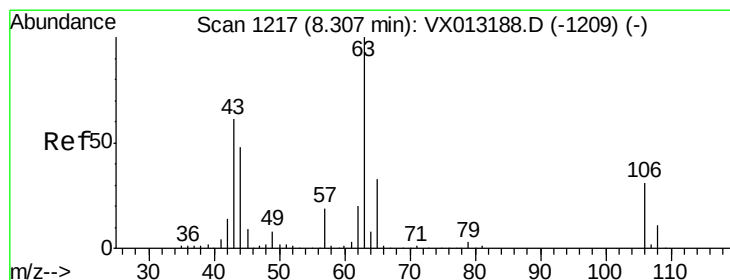
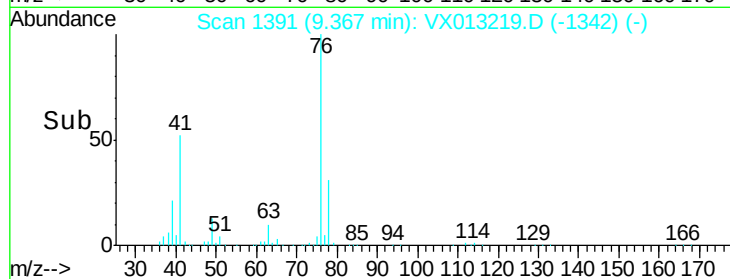
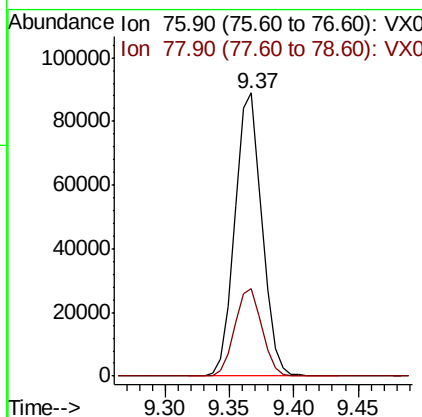
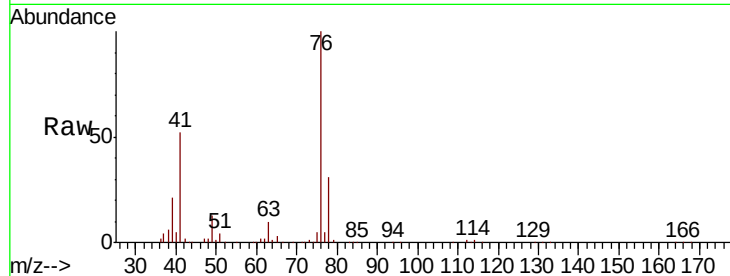
#57
 1,3-Dichloropropane
 Concen: 49.511 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 129925
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.1 39.1

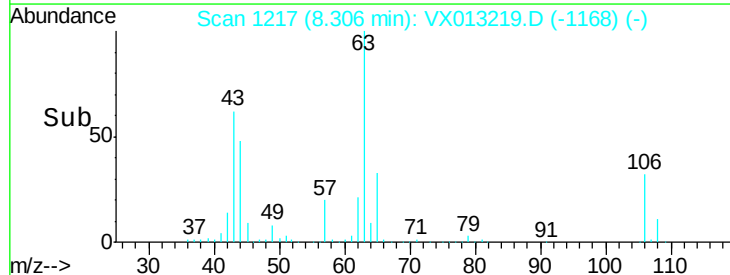
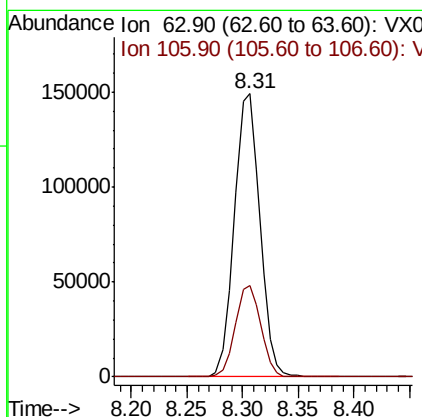
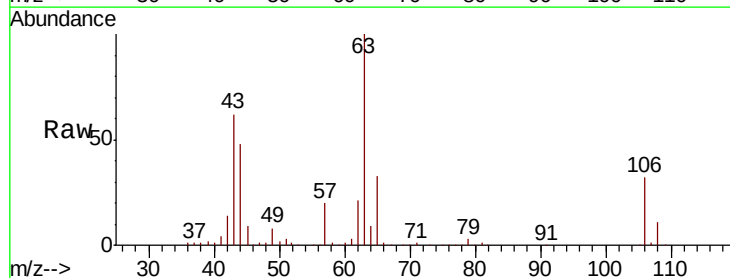
Manual Integrations
 APPROVED

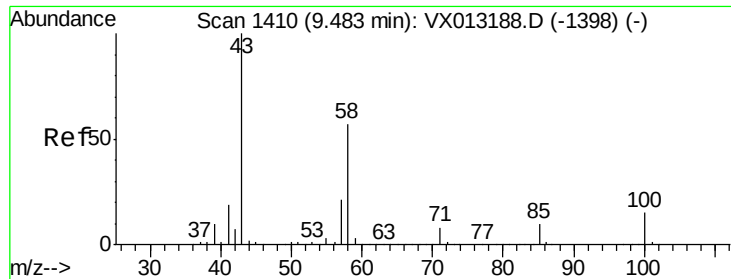
MMDadoda
 10/28/2019 12:53:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.345 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion: 63 Resp: 237789
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.4 38.0





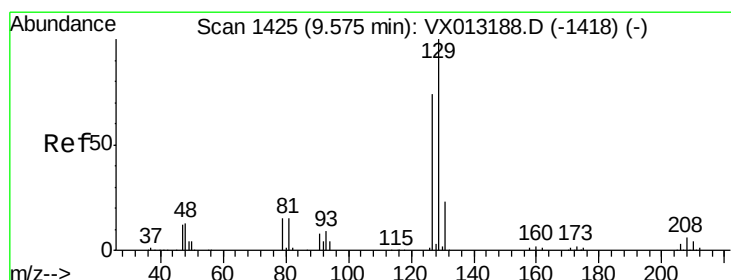
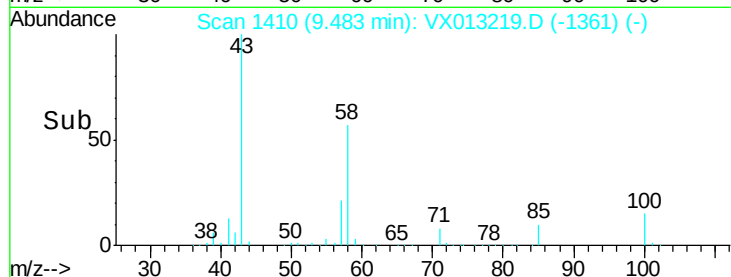
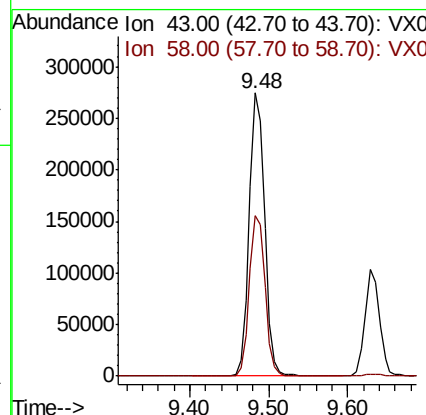
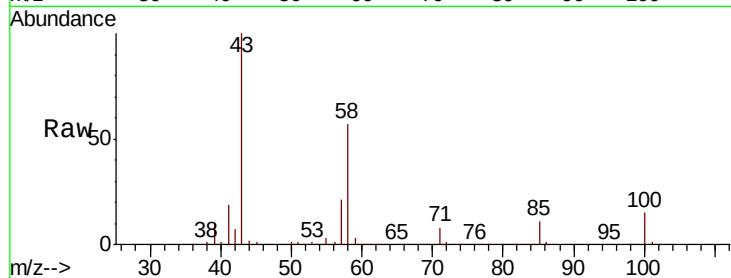
#59
2-Hexanone
Concen: 243.441 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 373720
Ion Ratio Lower Upper
43 100
58 58.1 28.2 84.7

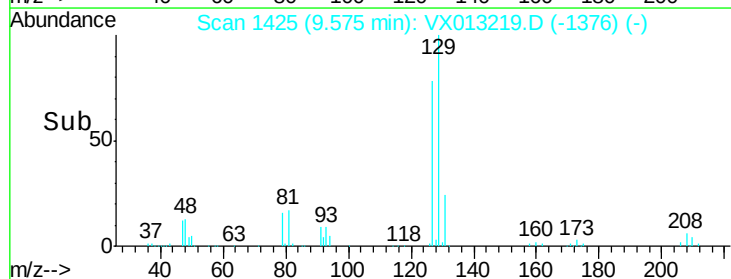
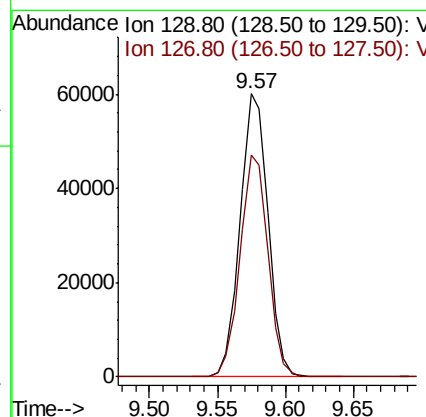
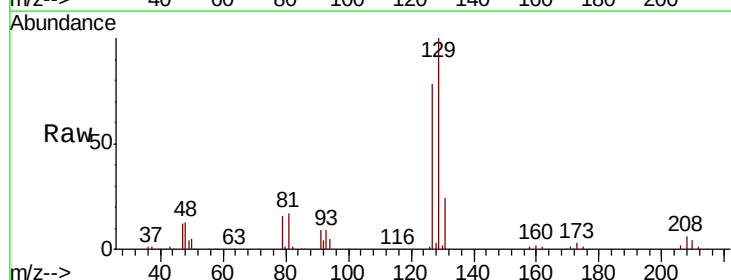
Manual Integrations
APPROVED

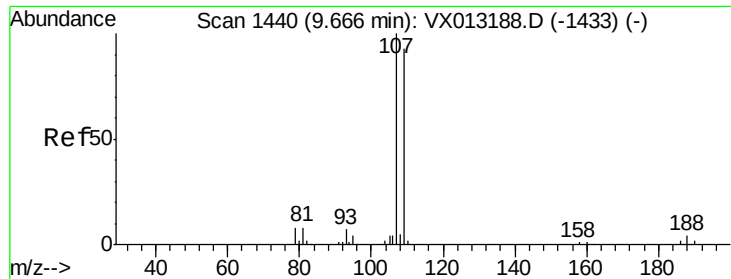
MMDadoda
10/28/2019 12:53:14 PM



#60
Dibromochloromethane
Concen: 52.749 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion: 129 Resp: 85964
Ion Ratio Lower Upper
129 100
127 78.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 50.638 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 83607

Ion Ratio Lower Upper

107 100

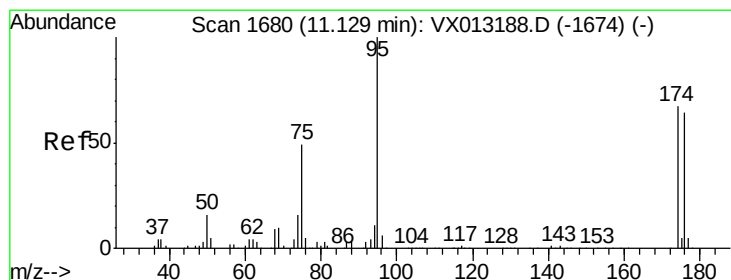
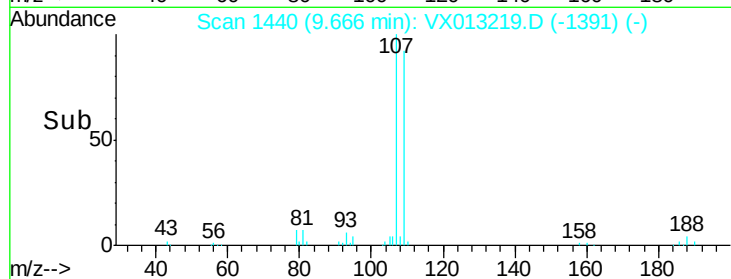
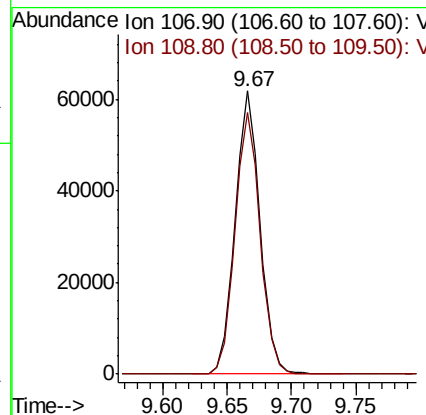
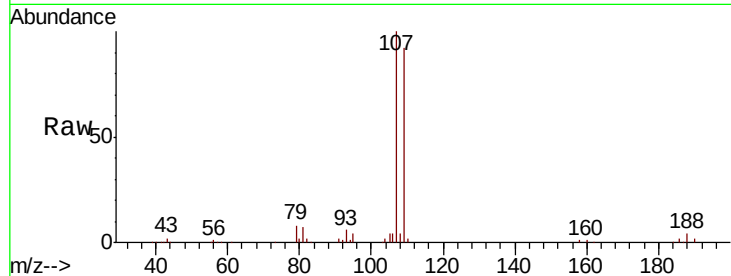
109 93.4 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



#62

4-Bromofluorobenzene

Concen: 51.176 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

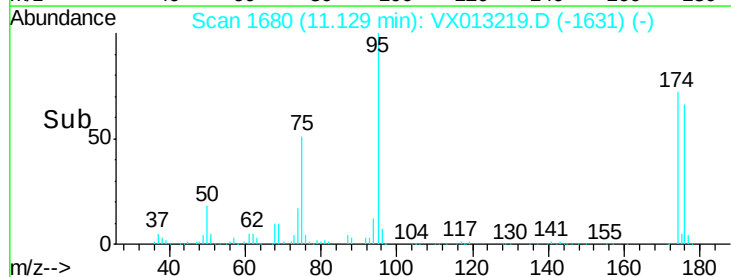
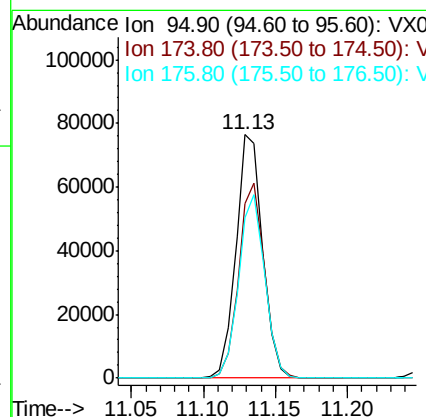
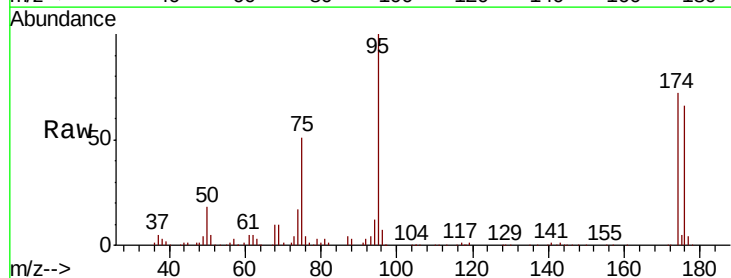
Tgt Ion: 95 Resp: 98923

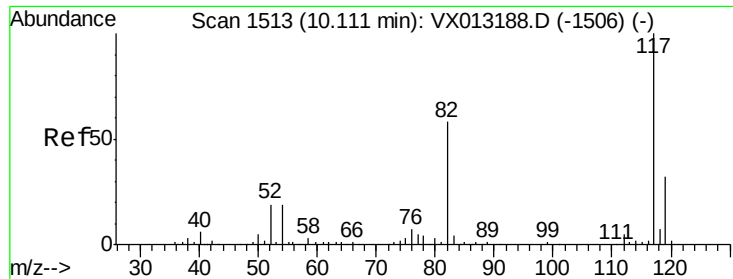
Ion Ratio Lower Upper

95 100

174 78.1 0.0 152.4

176 73.9 0.0 146.0





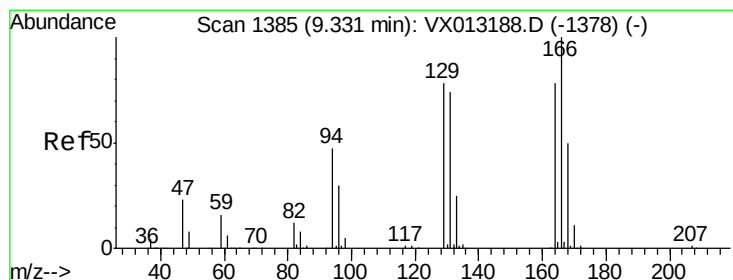
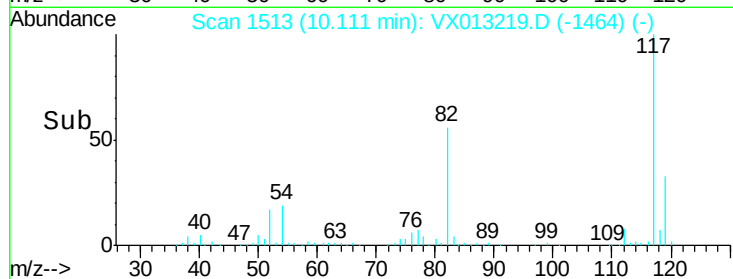
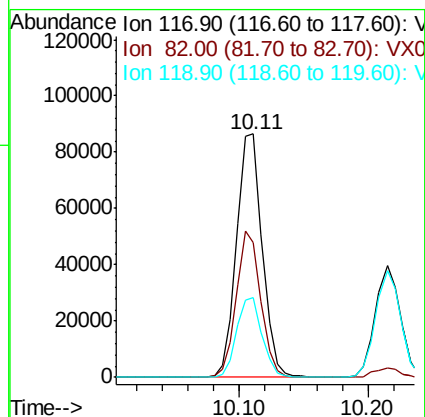
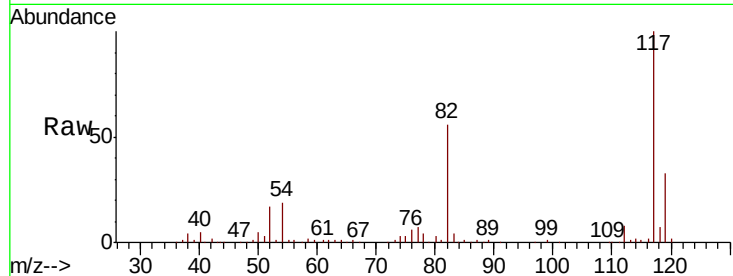
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.5	69.7
119	32.8	25.2	37.8

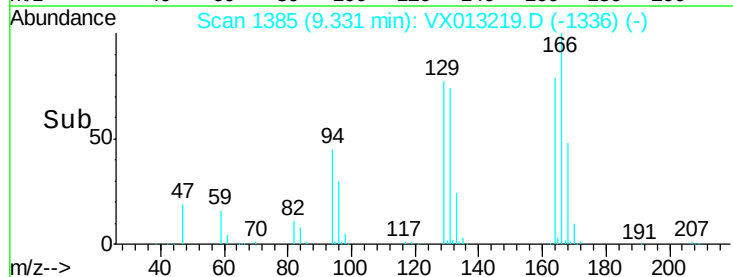
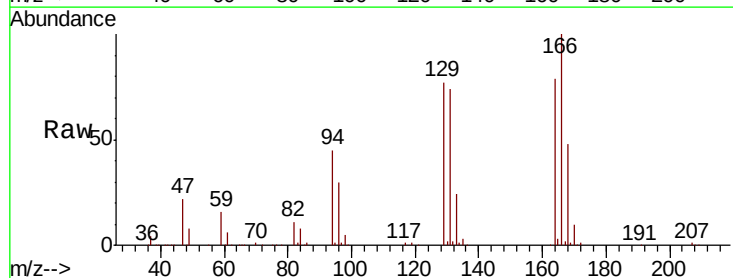
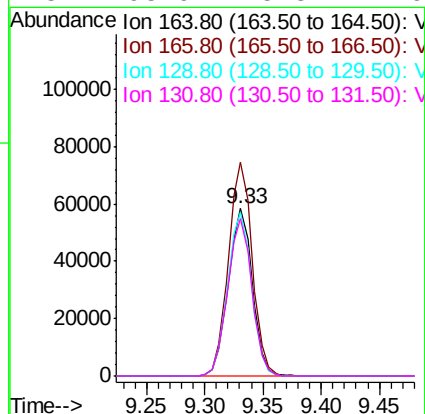
Manual Integrations
APPROVED

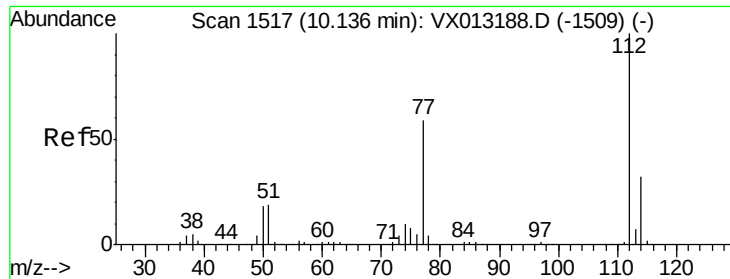
MMDadoda
10/28/2019 12:53:14 PM



#64
Tetrachloroethene
Concen: 56.478 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.2	153.4
129	97.5	79.8	119.8
131	93.9	75.3	112.9





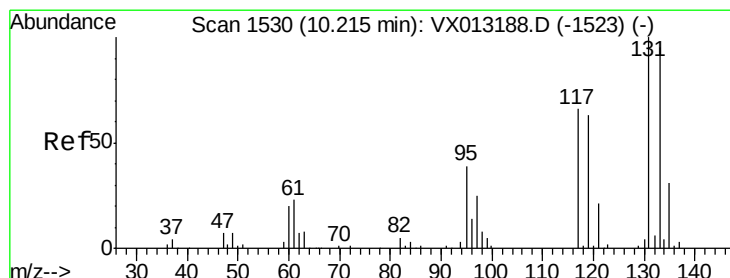
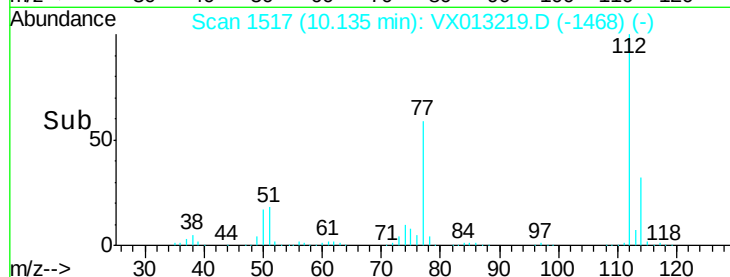
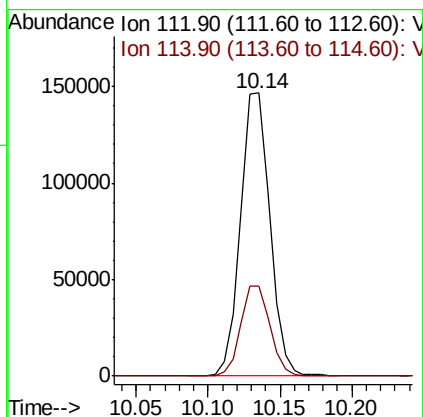
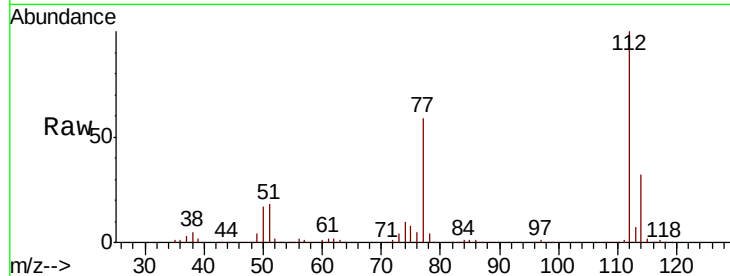
#65
Chlorobenzene
Concen: 49.088 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 208033
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

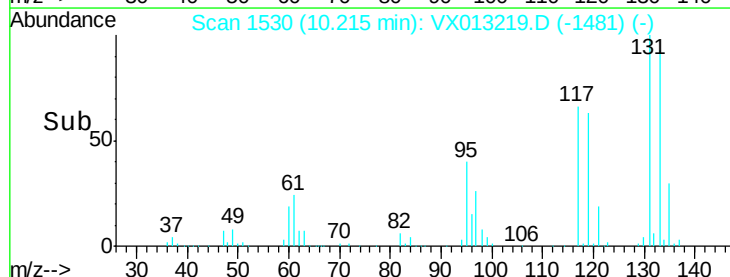
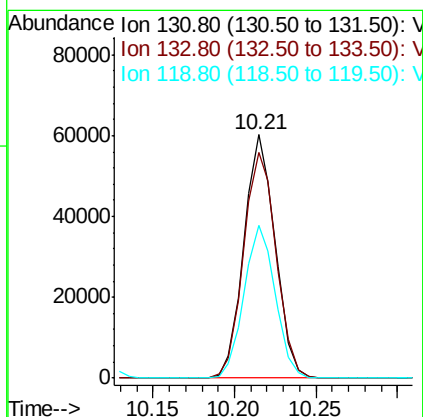
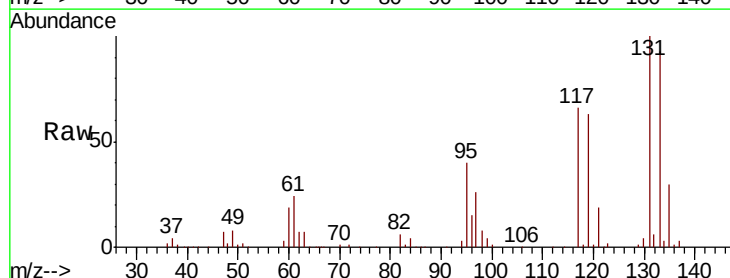
Manual Integrations
APPROVED

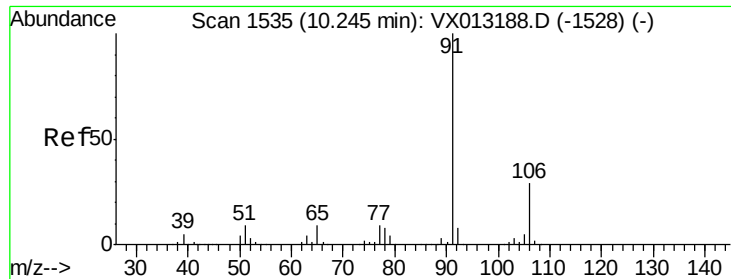
MMDadoda
10/28/2019 12:53:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.274 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion:131 Resp: 80274
Ion Ratio Lower Upper
131 100
133 96.6 48.4 145.2
119 63.2 32.4 97.0





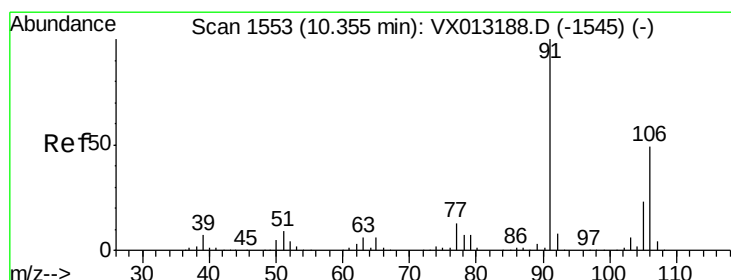
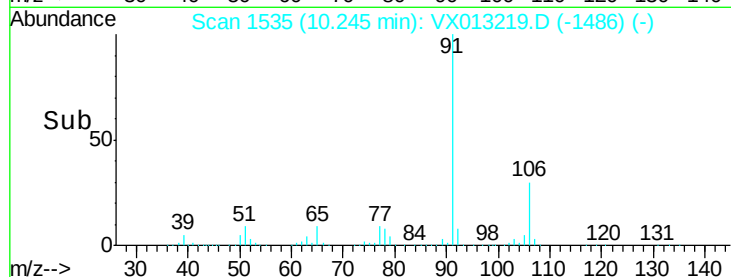
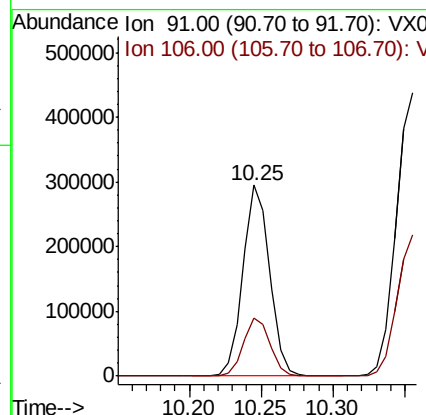
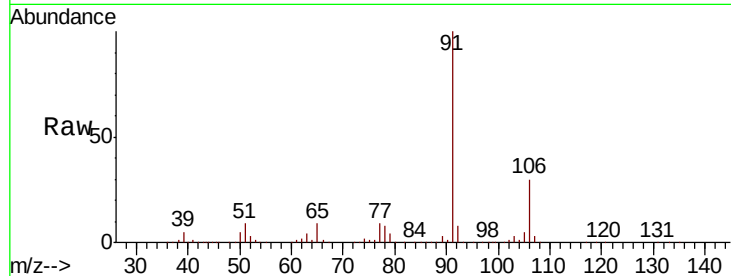
#67
Ethyl Benzene
Concen: 50.013 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 379448
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3

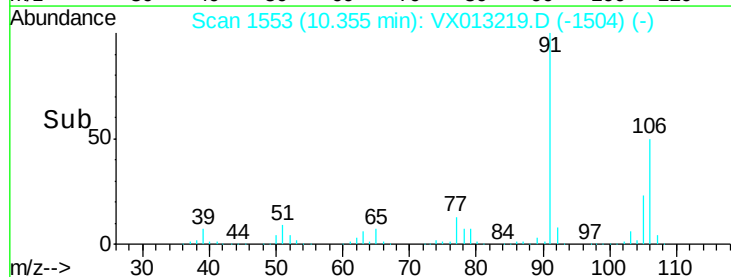
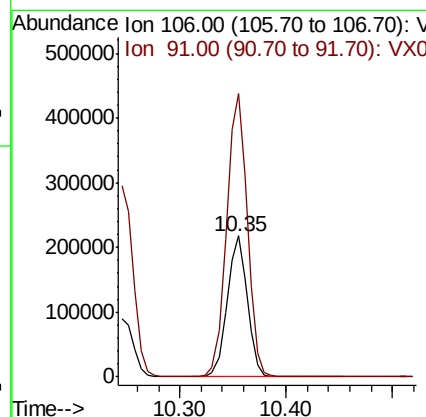
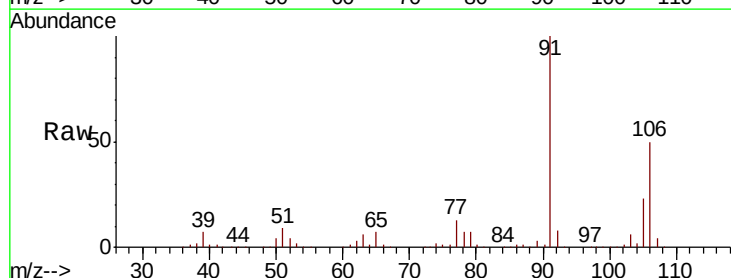
Manual Integrations
APPROVED

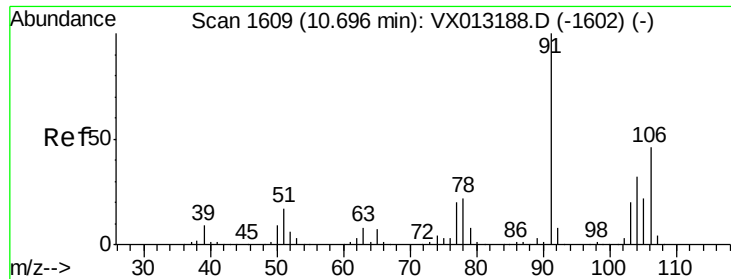
MMDadoda
10/28/2019 12:53:14 PM



#68
m/p-Xylenes
Concen: 100.473 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion: 106 Resp: 288080
Ion Ratio Lower Upper
106 100
91 206.0 166.8 250.2





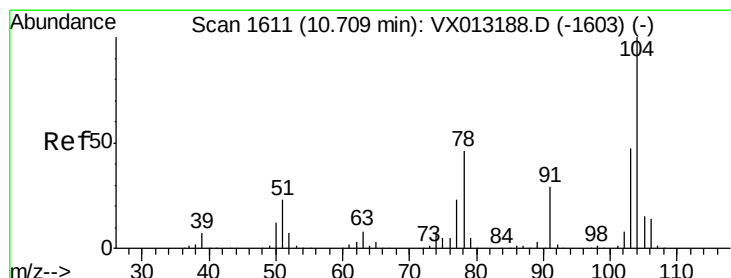
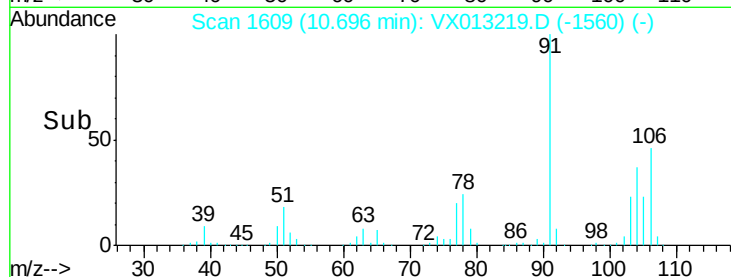
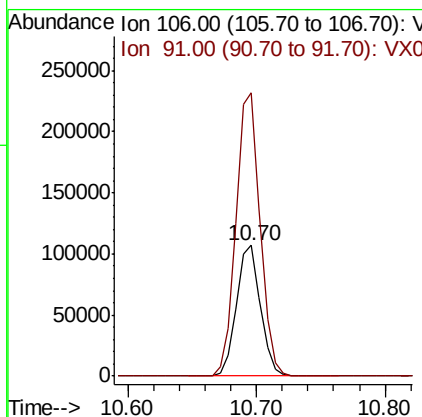
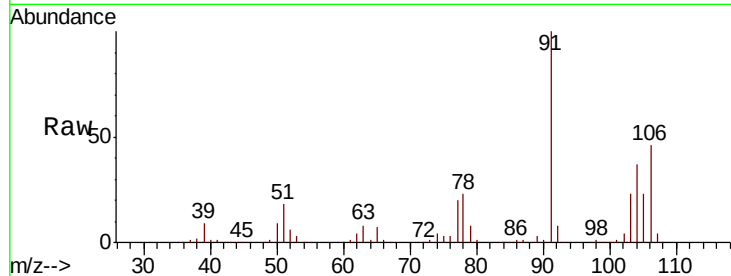
#69
o-Xylene
Concen: 50.323 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 138414
Ion Ratio Lower Upper
106 100
91 218.3 110.7 331.9

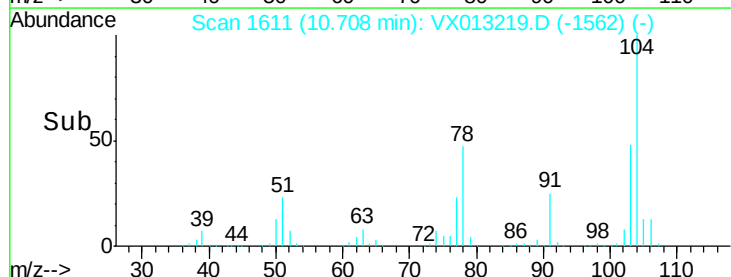
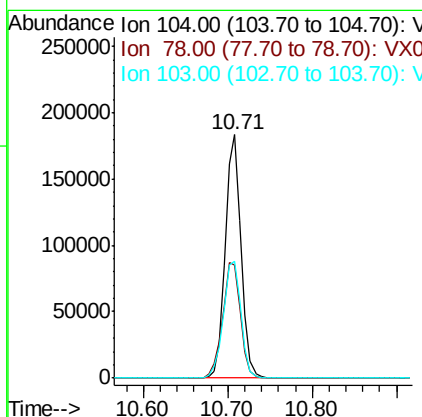
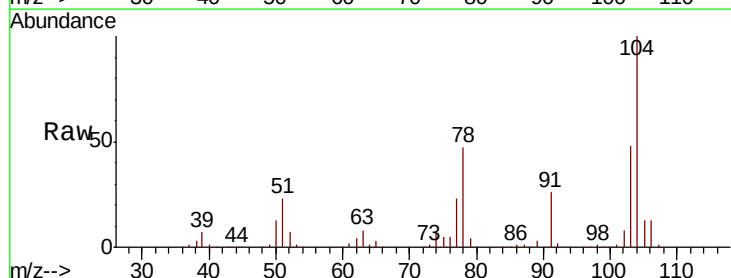
Manual Integrations
APPROVED

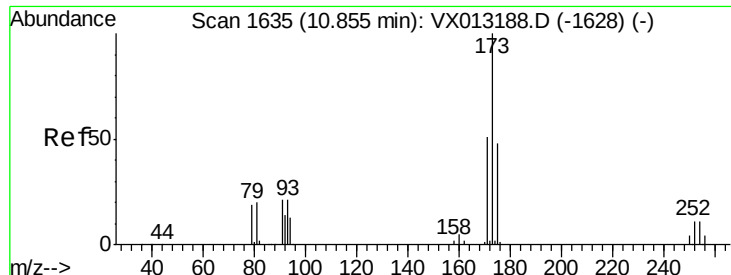
MMDadoda
10/28/2019 12:53:14 PM



#70
Styrene
Concen: 50.125 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion:104 Resp: 237399
Ion Ratio Lower Upper
104 100
78 54.0 42.2 63.4
103 54.2 42.8 64.2





#71

Bromoform

Concen: 53.821 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61568

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

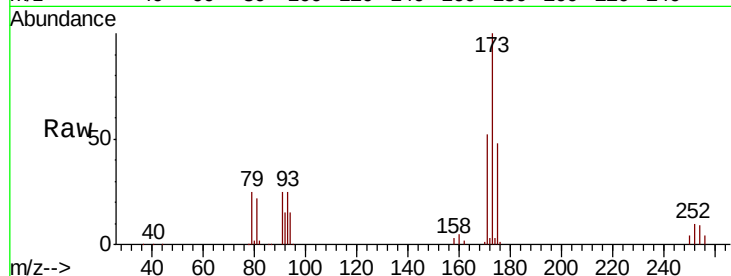
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

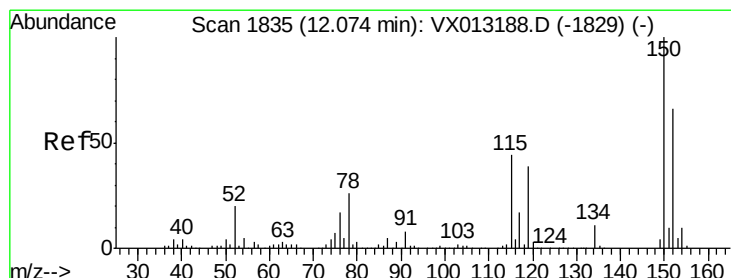
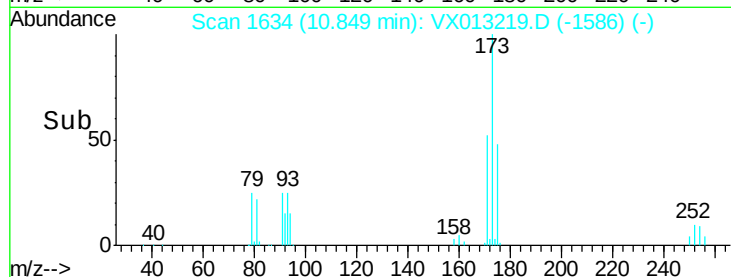
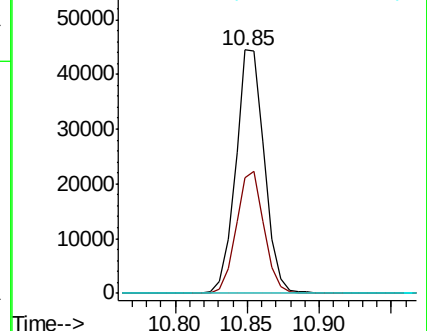
10/28/2019 12:53:14 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

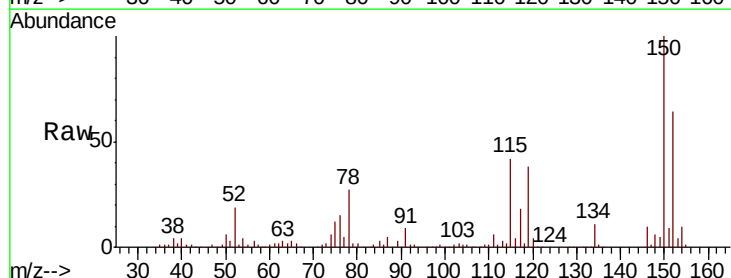
Tgt Ion:152 Resp: 86628

Ion Ratio Lower Upper

152 100

115 91.4 46.6 139.8

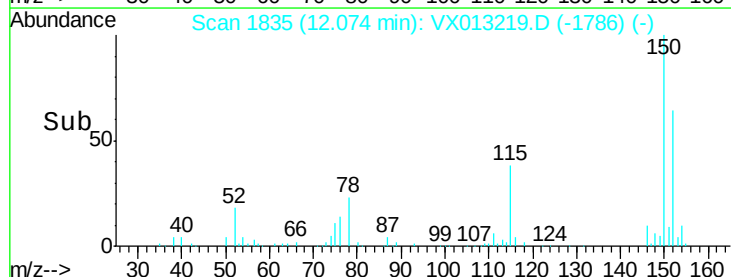
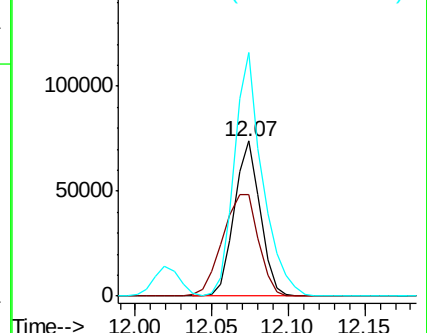
150 172.2 0.0 354.0

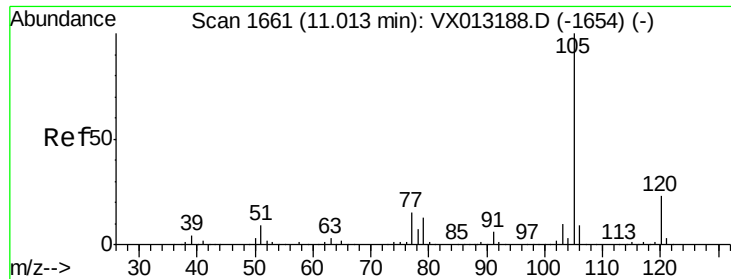


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.120 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 378546

Ion Ratio Lower Upper

105 100

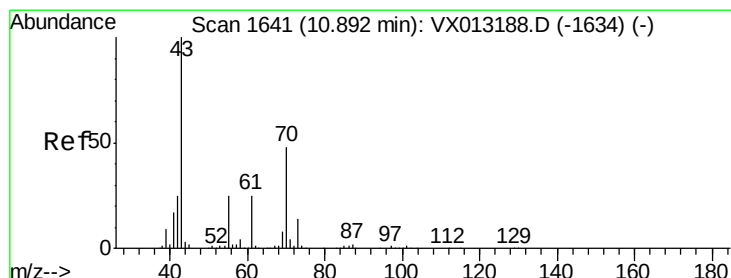
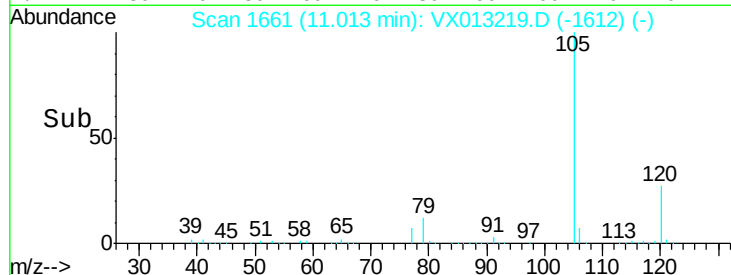
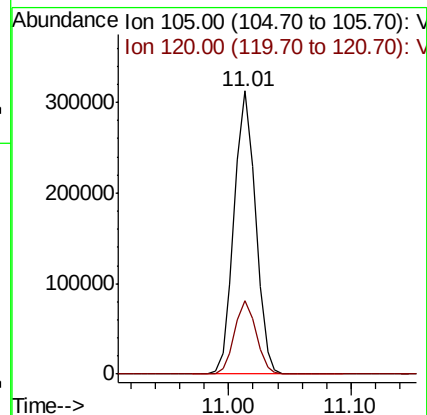
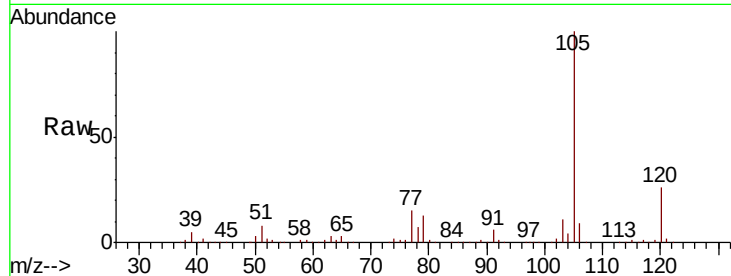
120 26.0 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/28/2019 12:53:14 PM



#74

N-ethyl acetate

Concen: 47.216 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion: 43 Resp: 136326

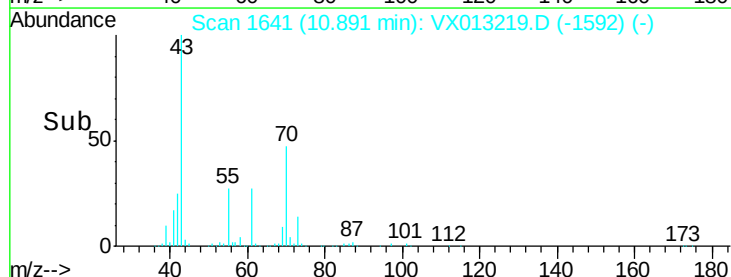
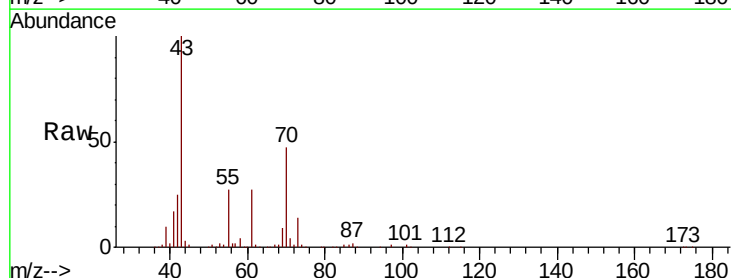
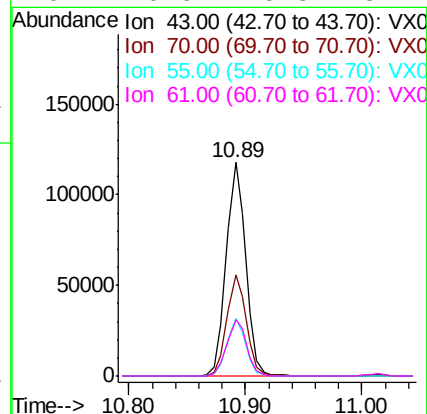
Ion Ratio Lower Upper

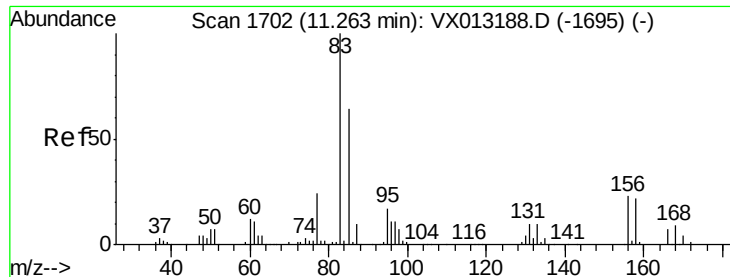
43 100

70 47.2 38.5 57.7

55 26.3 20.7 31.1

61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.844 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

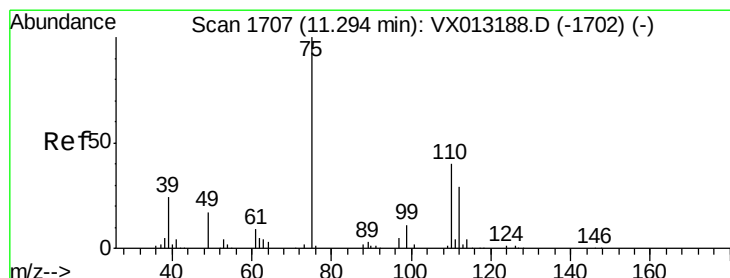
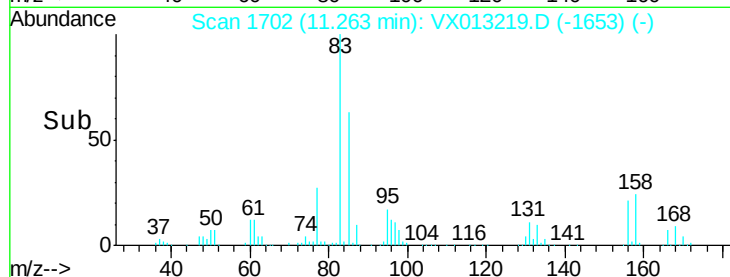
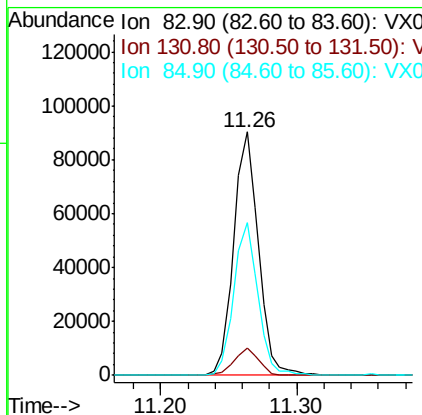
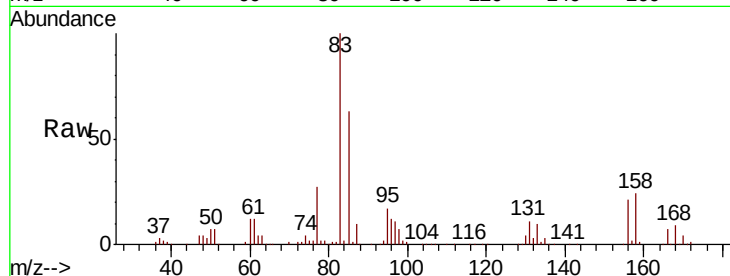
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114280
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	61.5	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#76

1,2,3-Trichloropropane

Concen: 44.325 ug/l m

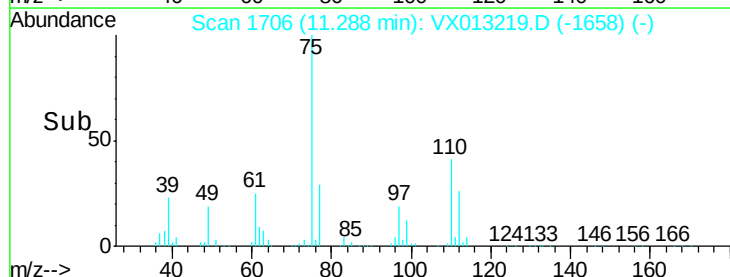
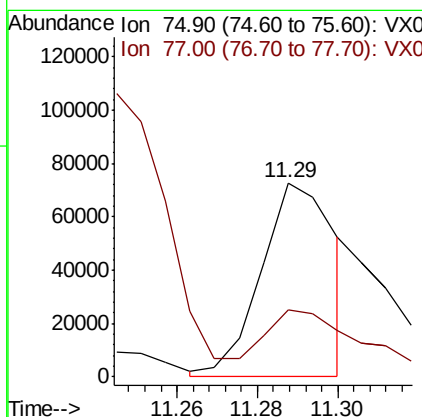
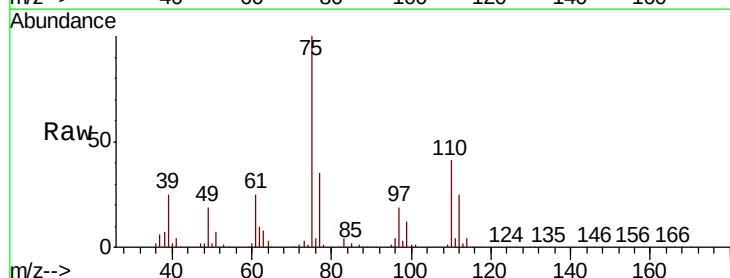
RT: 11.29 min Scan# 1706

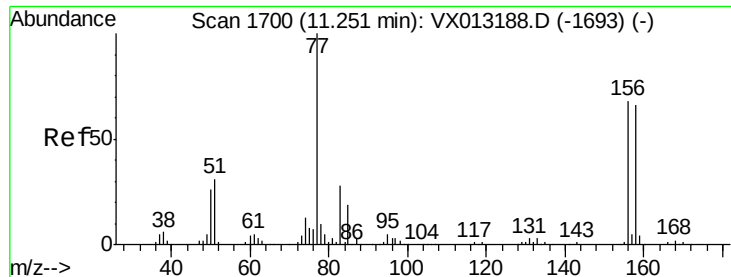
Delta R.T. -0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	75	Resp:	92546
Ion Ratio	Lower	Upper	
75	100		
77	45.4	19.1	57.5





#77

Bromobenzene

Concen: 47.843 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 90205

Ion Ratio Lower Upper

156 100

77 159.0 81.7 245.1

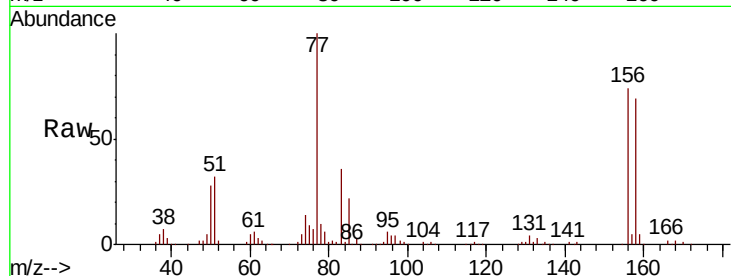
158 97.0 49.6 148.8

Manual Integrations

APPROVED

MMDadoda

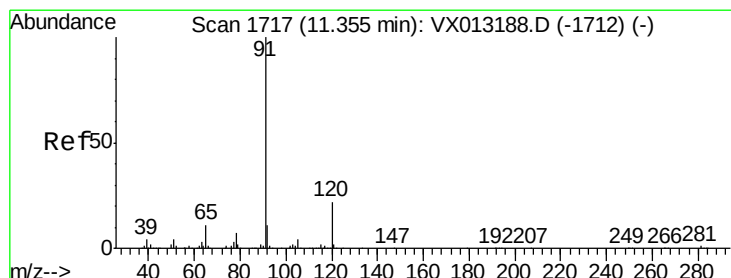
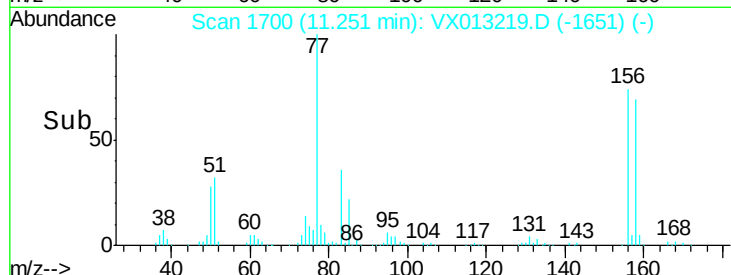
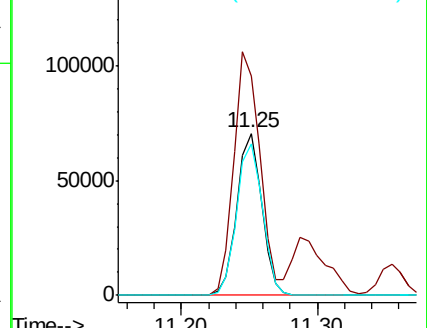
10/28/2019 12:53:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.727 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013219.D

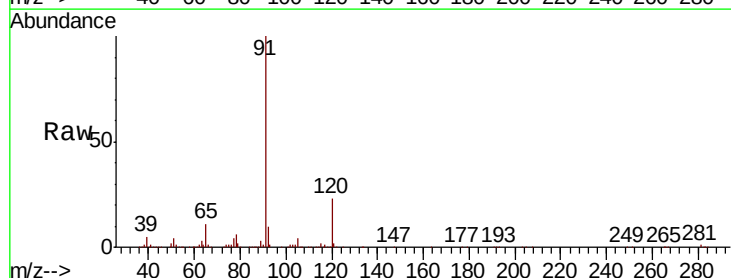
Acq: 25 Oct 2019 10:19

Tgt Ion: 91 Resp: 424924

Ion Ratio Lower Upper

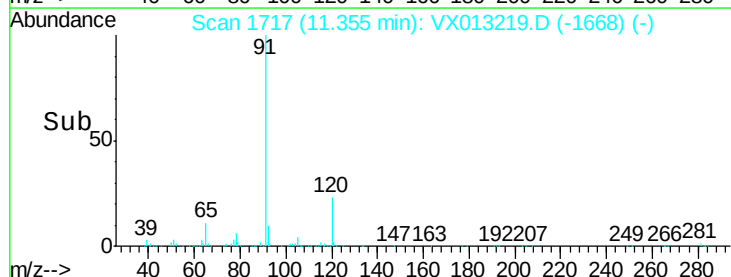
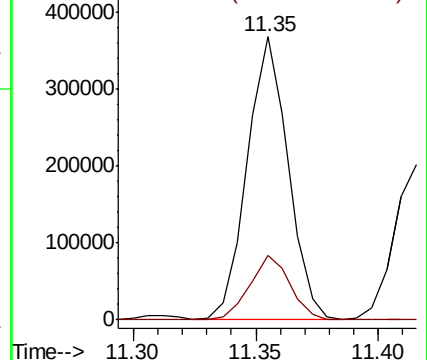
91 100

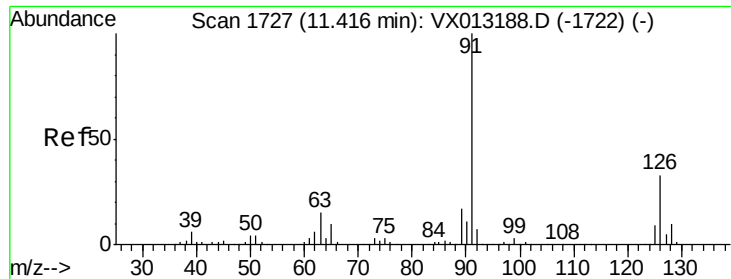
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





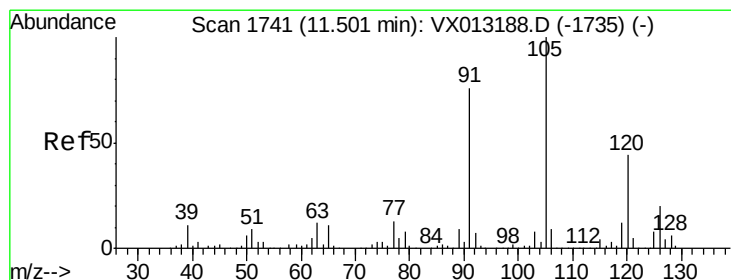
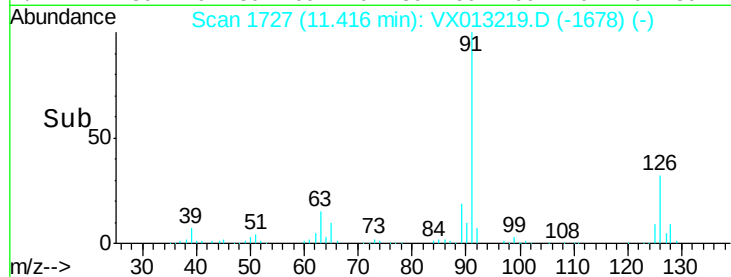
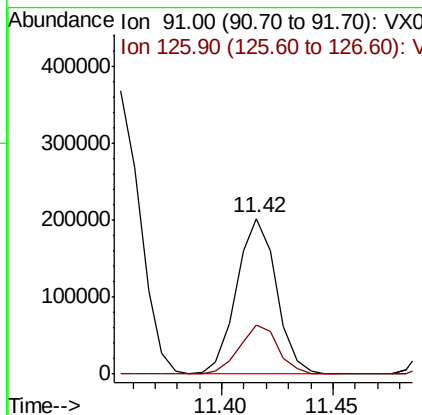
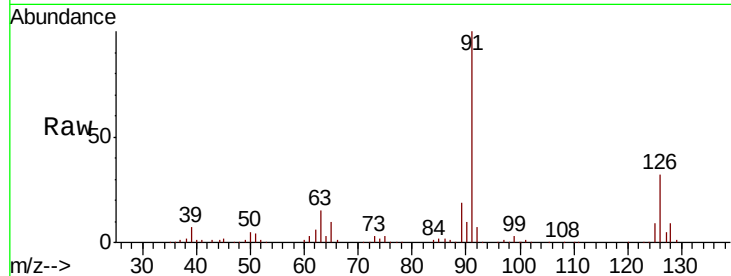
#79
 2-Chlorotoluene
 Concen: 46.691 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 252085
 Ion Ratio Lower Upper
 91 100
 126 31.3 16.3 48.8

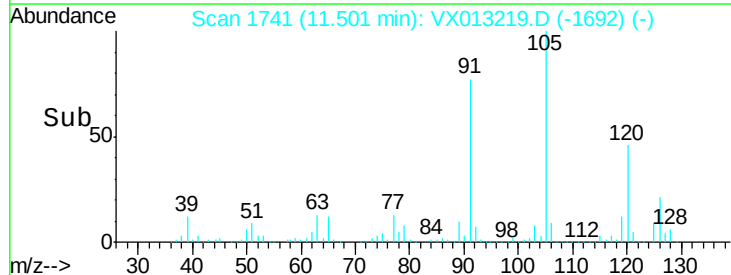
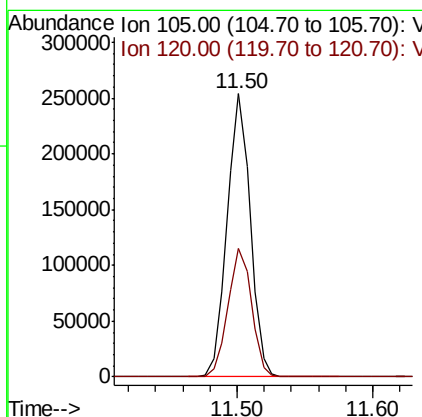
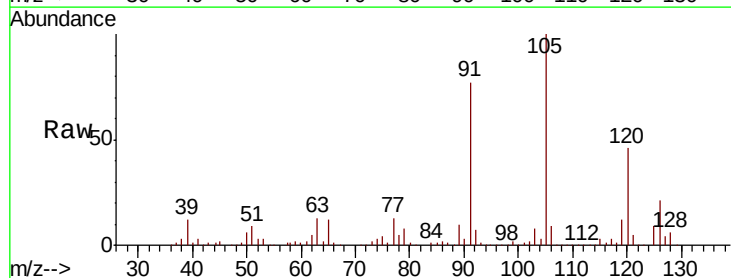
Manual Integrations
 APPROVED

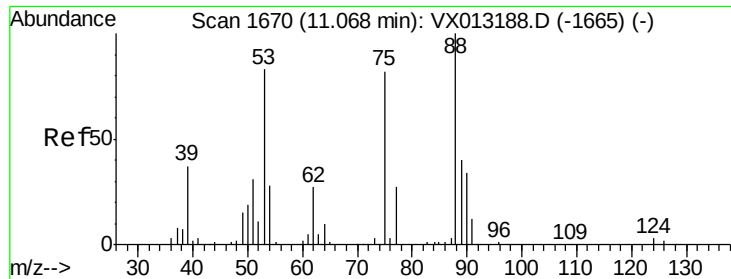
MMDadoda
 10/28/2019 12:53:14 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.907 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion: 105 Resp: 300167
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.0





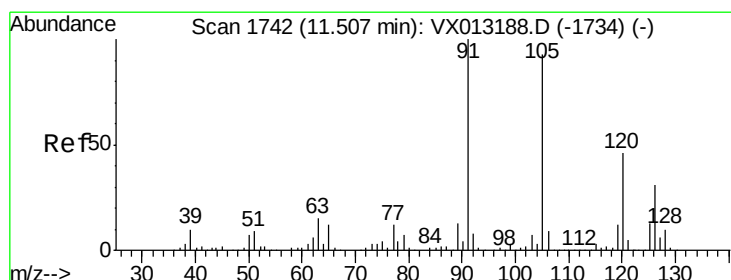
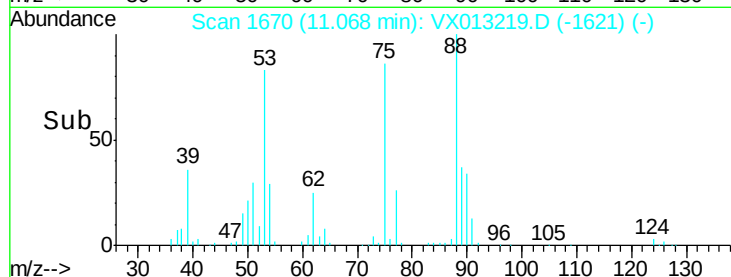
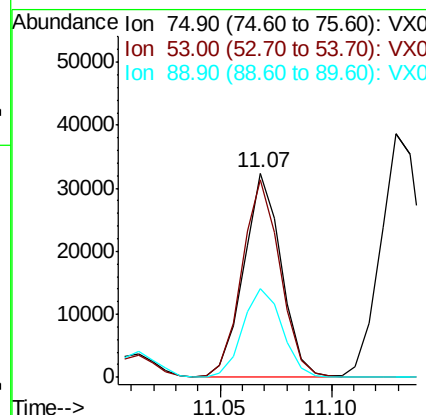
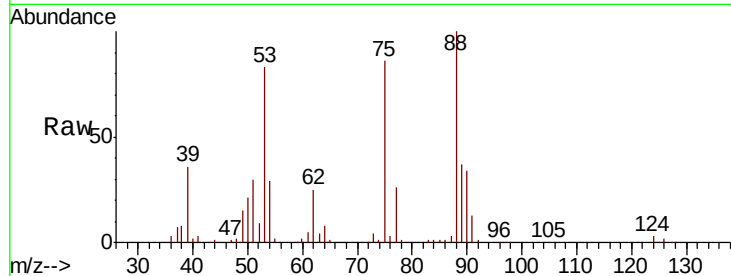
#81
trans-1,4-Dichloro-2-butene
Concen: 50.438 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	77.9	116.9
89	45.8	37.3	55.9

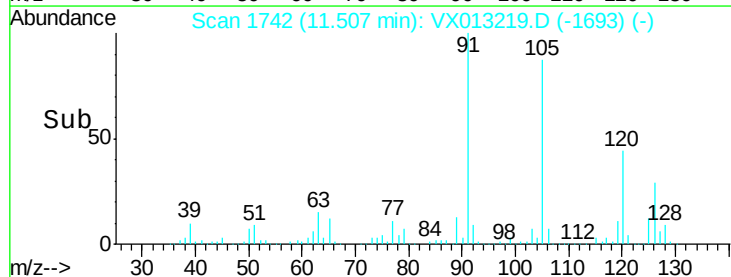
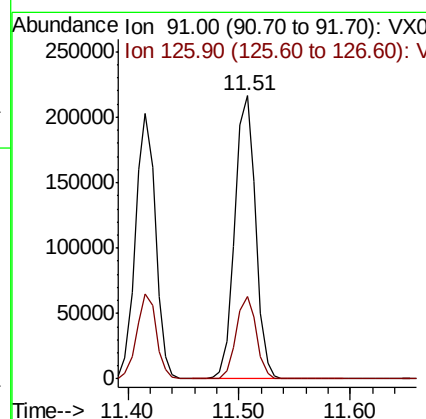
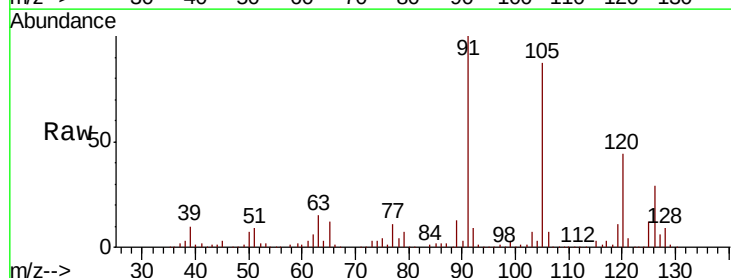
Manual Integrations
APPROVED

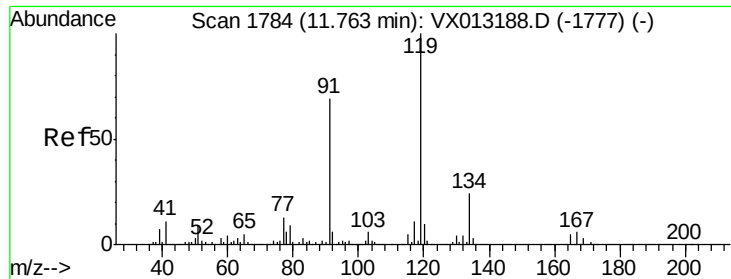
MMDadoda
10/28/2019 12:53:14 PM



#82
4-Chlorotoluene
Concen: 45.773 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.6	44.0





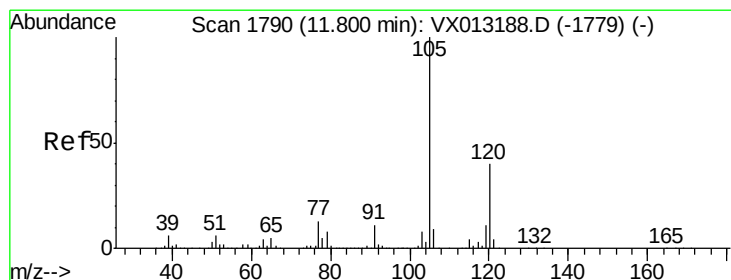
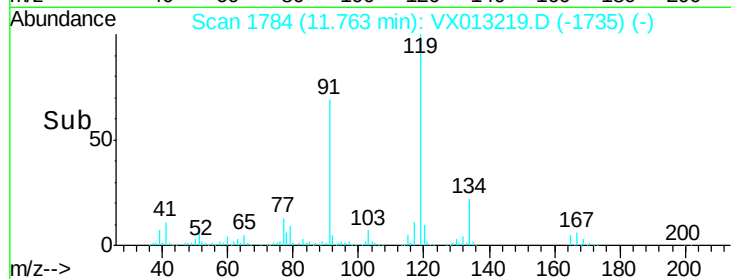
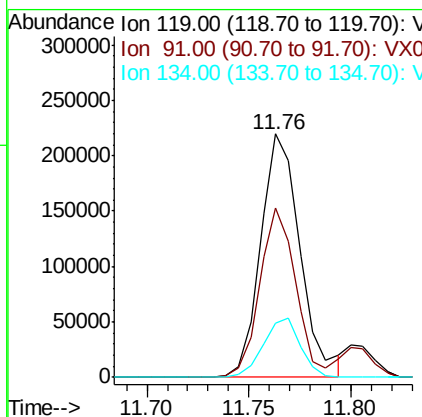
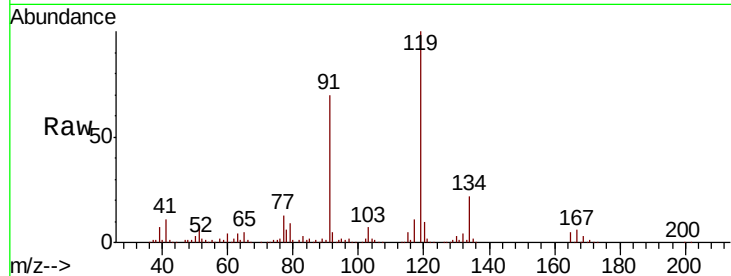
#83
 tert-Butylbenzene
 Concen: 45.835 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.8	92.4
134	22.7	11.5	34.5

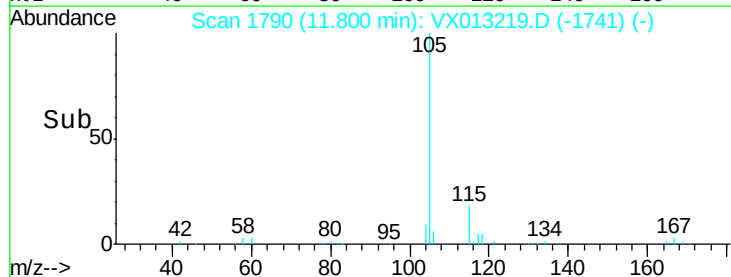
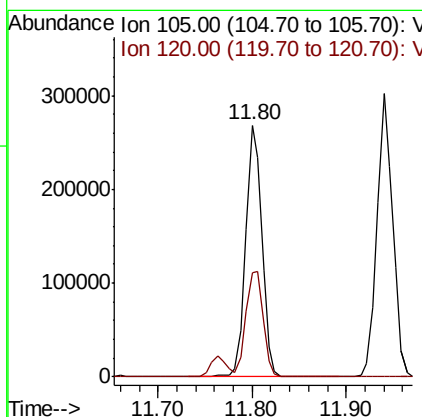
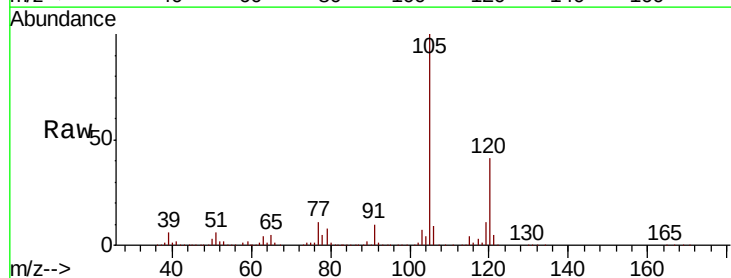
Manual Integrations
 APPROVED

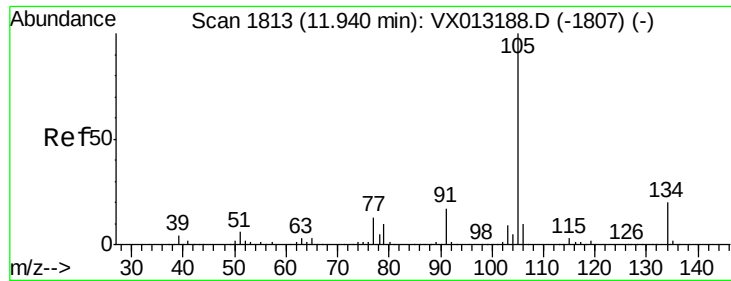
MMDadoda
 10/28/2019 12:53:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.805 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.4	64.3





#85

sec-Butylbenzene

Concen: 47.450 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 349316

Ion Ratio Lower Upper

105 100

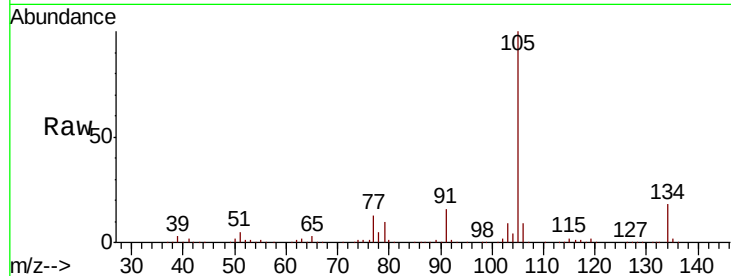
134 19.8 9.9 29.7

Manual Integrations

APPROVED

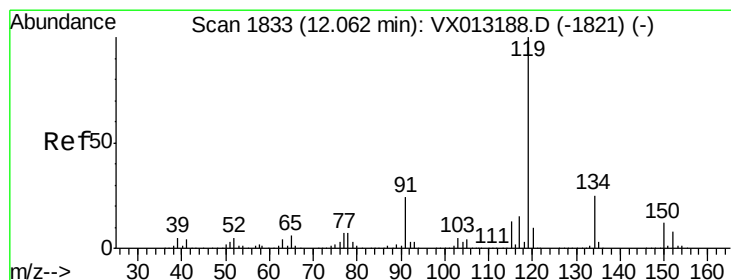
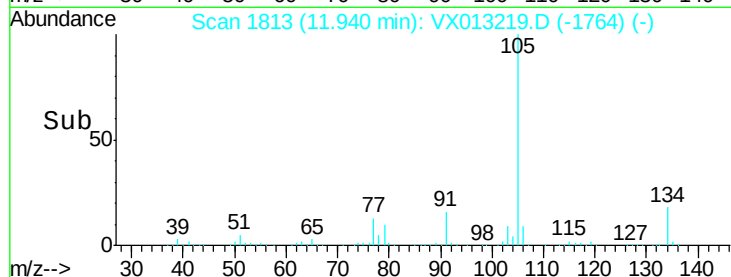
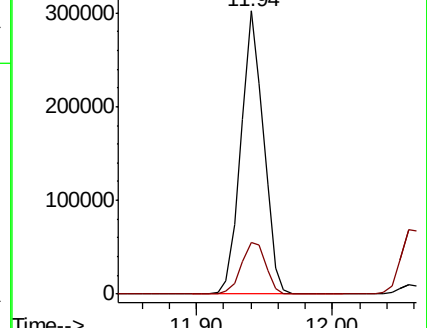
MMDadoda

10/28/2019 12:53:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.081 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

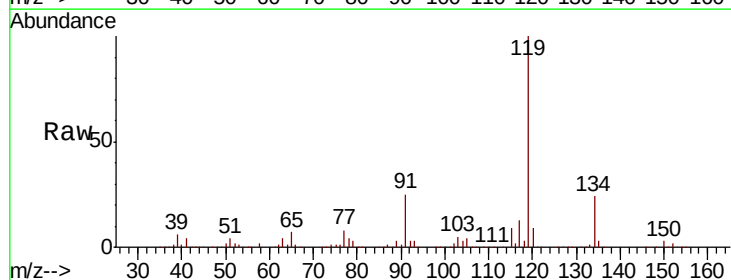
Tgt Ion:119 Resp: 353283

Ion Ratio Lower Upper

119 100

134 24.1 12.5 37.5

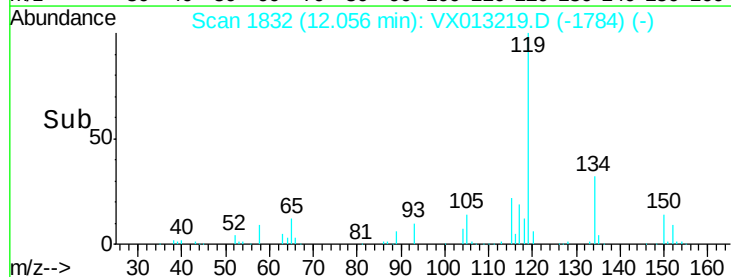
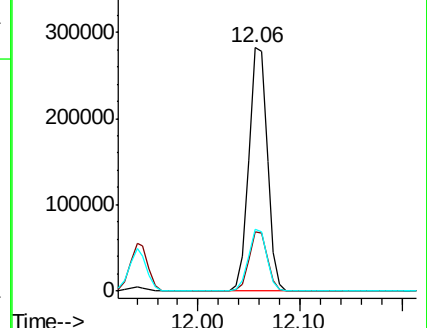
91 25.2 12.4 37.2

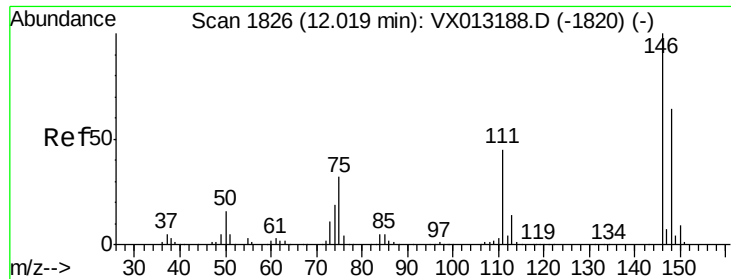


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





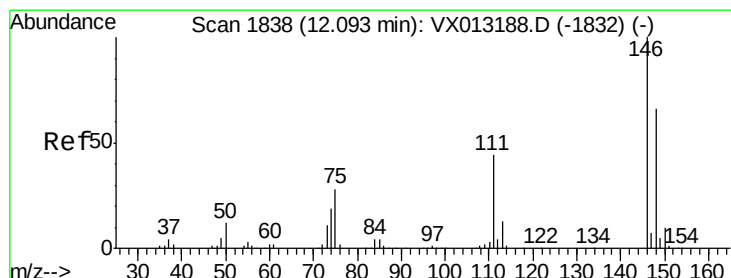
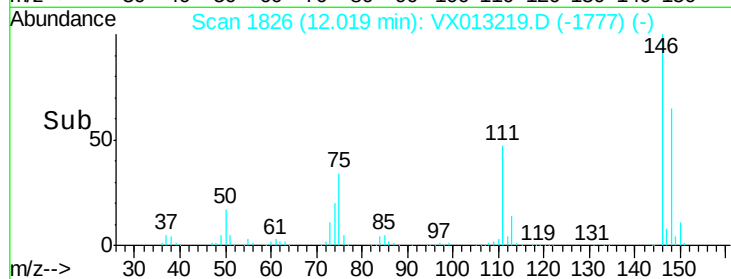
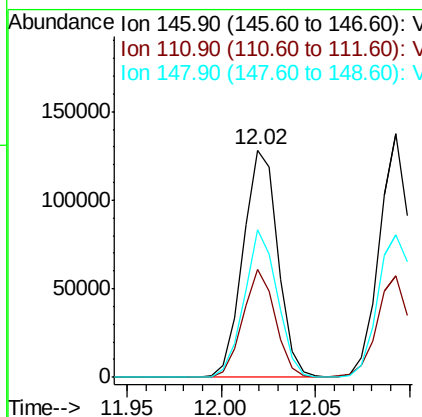
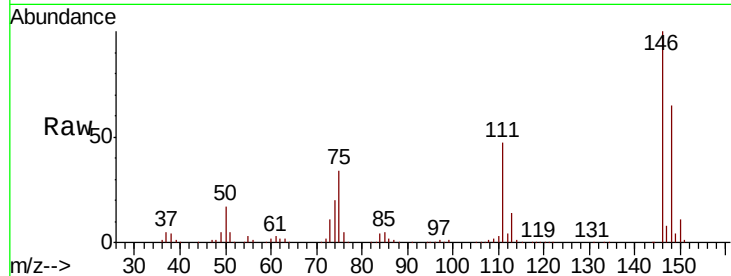
#87
 1,3-Dichlorobenzene
 Concen: 48.210 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.3	63.9
148	61.9	31.6	94.8

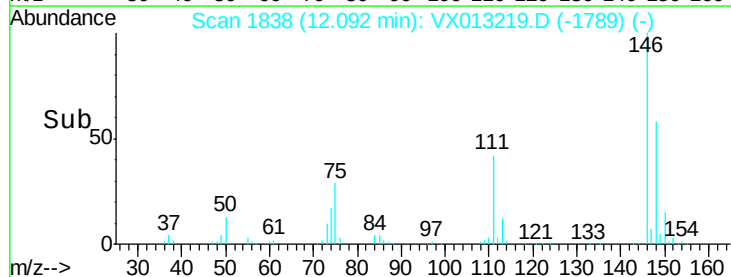
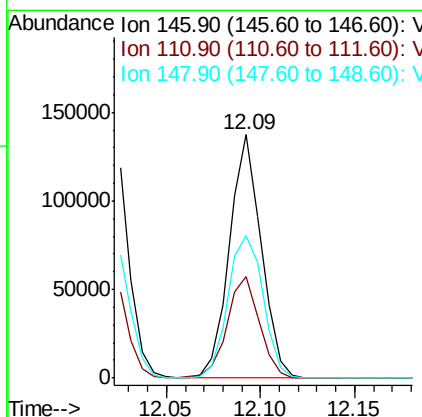
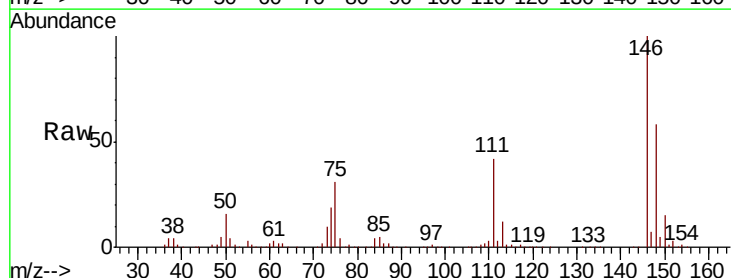
Manual Integrations
 APPROVED

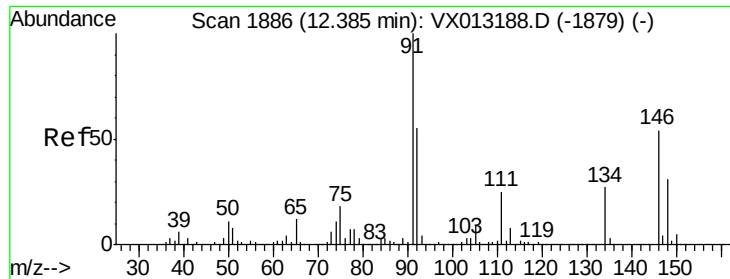
MMDadoda
 10/28/2019 12:53:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.265 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	65.2	32.5	97.5





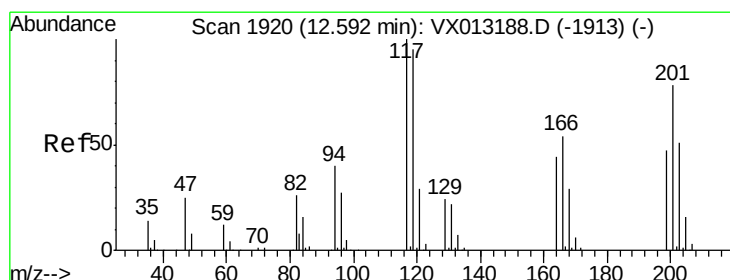
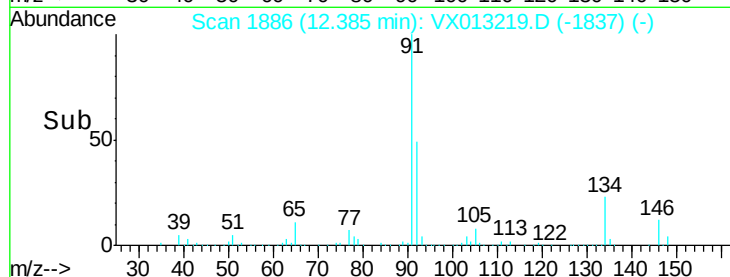
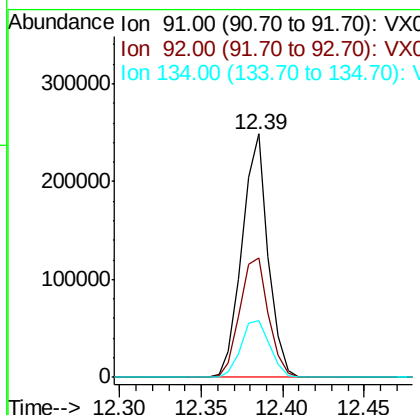
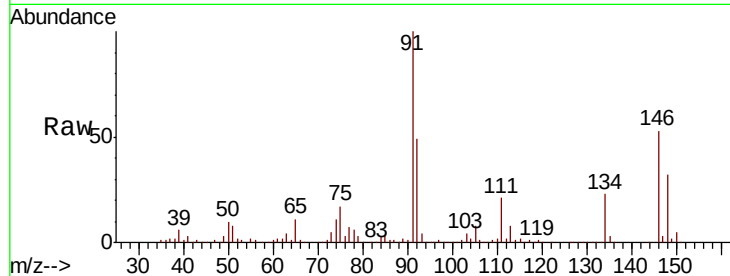
#89
n-Butylbenzene
Concen: 49.007 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.7	83.1
134	26.1	13.2	39.6

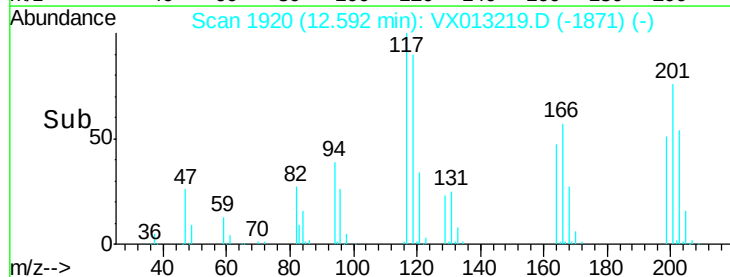
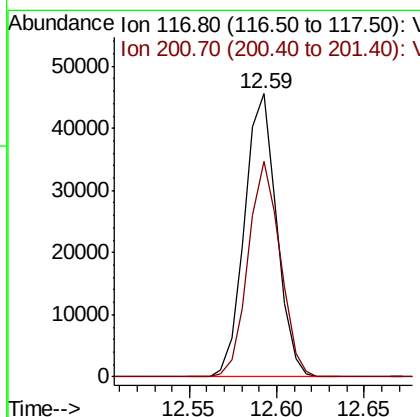
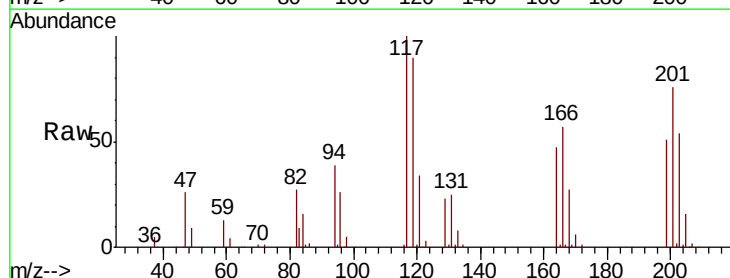
Manual Integrations
APPROVED

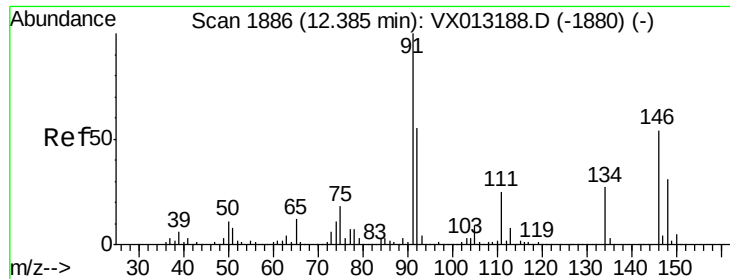
MMDadoda
10/28/2019 12:53:14 PM



#90
Hexachloroethane
Concen: 50.170 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013219.D
Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	39.0	116.9





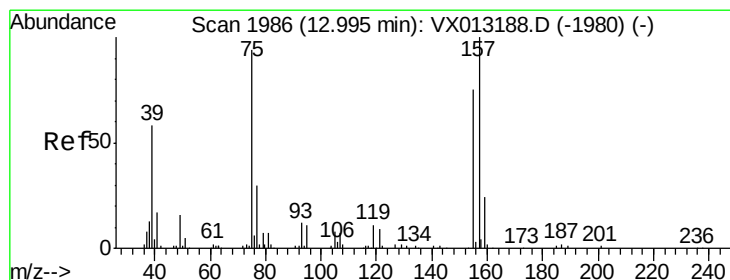
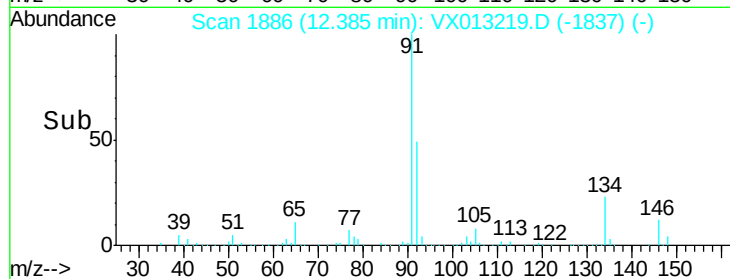
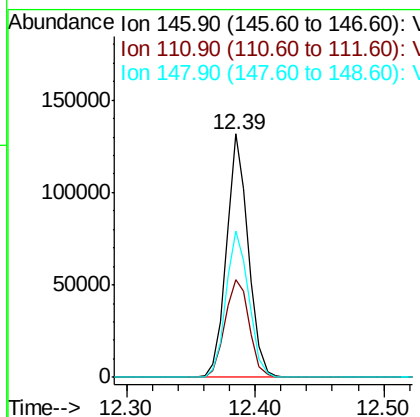
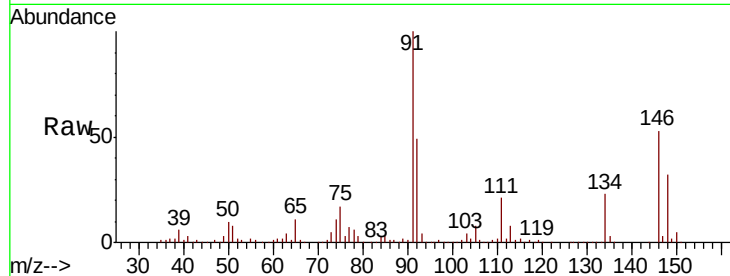
#91
 1,2-Dichlorobenzene
 Concen: 46.594 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156063		
111	44.8	22.9	68.8	
148	63.1	31.8	95.3	

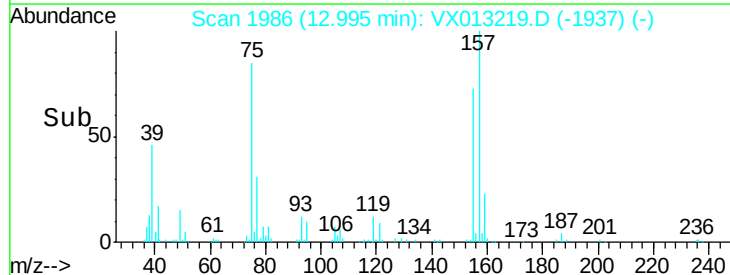
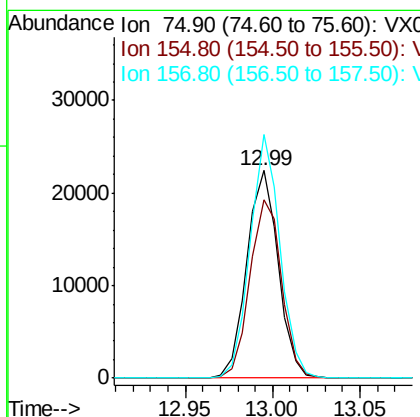
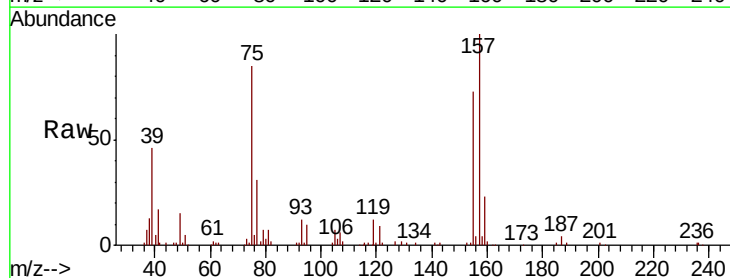
Manual Integrations
 APPROVED

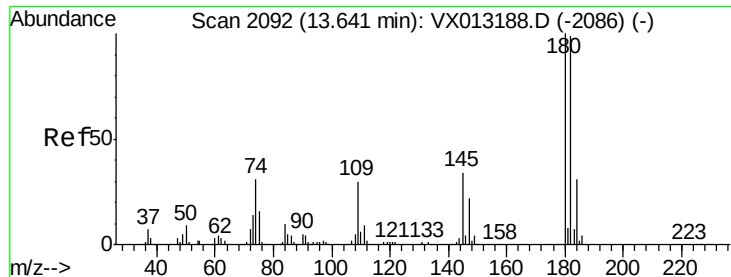
MMDadoda
 10/28/2019 12:53:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.124 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27991		
155	86.5	42.8	128.4	
157	111.1	54.3	162.8	





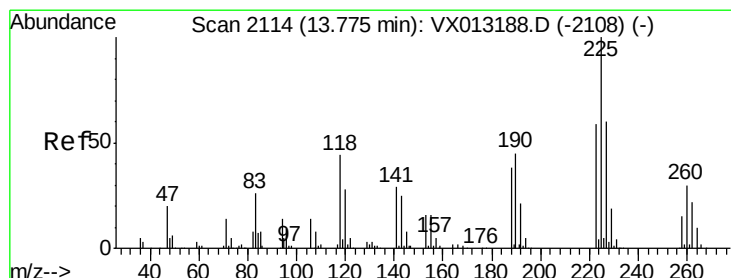
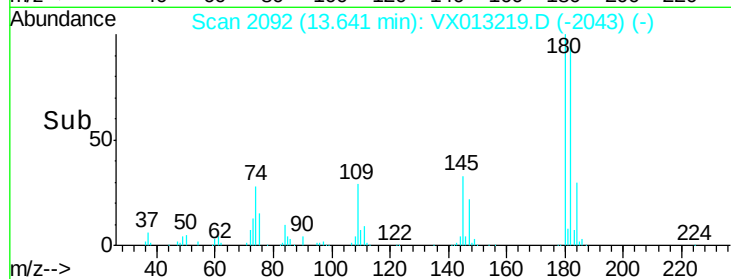
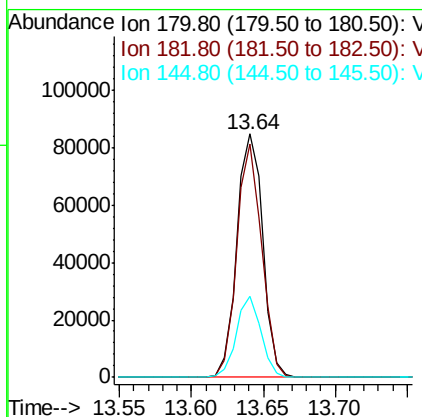
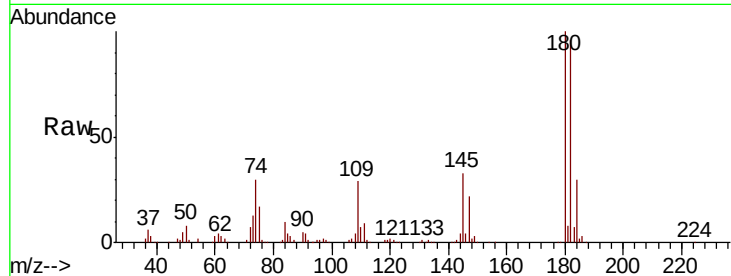
#93
 1,2,4-Trichlorobenzene
 Concen: 50.374 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	45.9	137.6
145	32.0	15.9	47.6

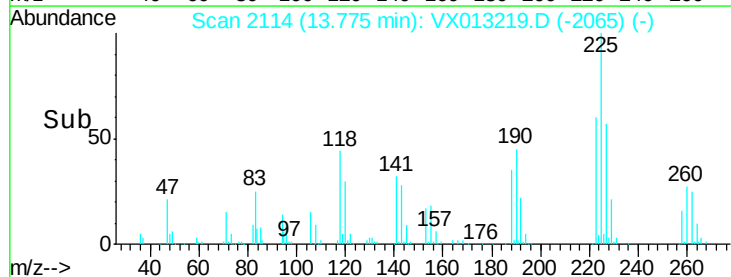
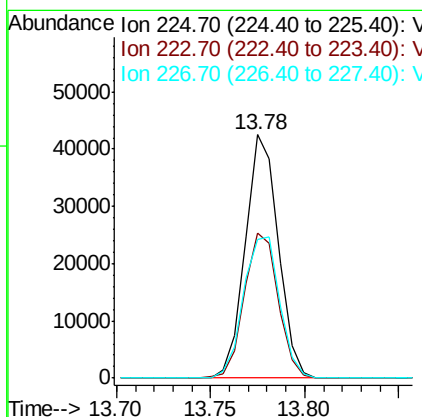
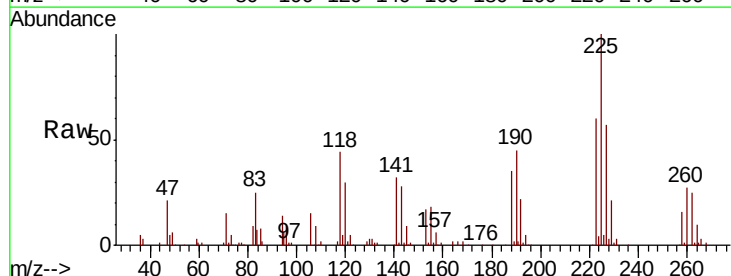
Manual Integrations
 APPROVED

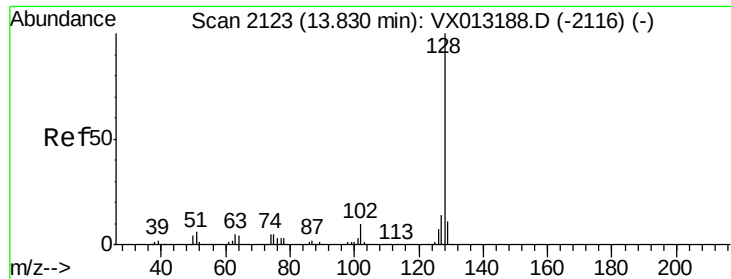
MMDadoda
 10/28/2019 12:53:14 PM



#94
 Hexachlorobutadiene
 Concen: 47.457 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013219.D
 Acq: 25 Oct 2019 10:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.9	92.5
227	63.5	30.3	90.9





#95

Naphthalene

Concen: 49.038 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Instrument :

MSVOA_X

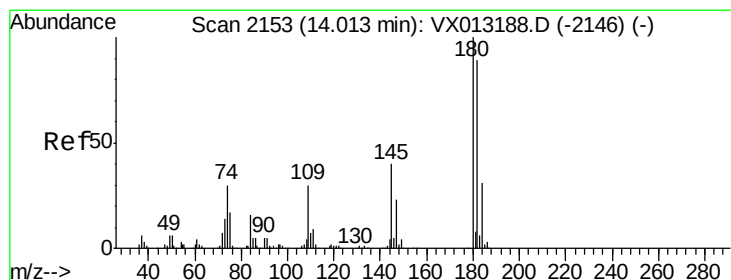
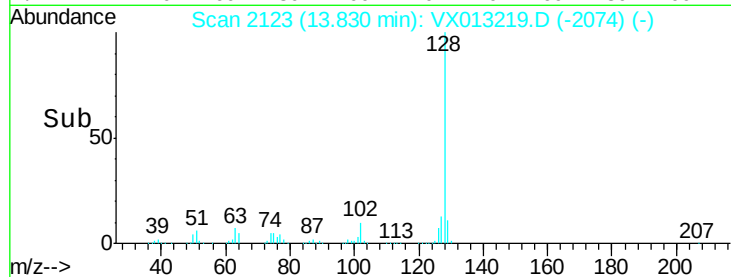
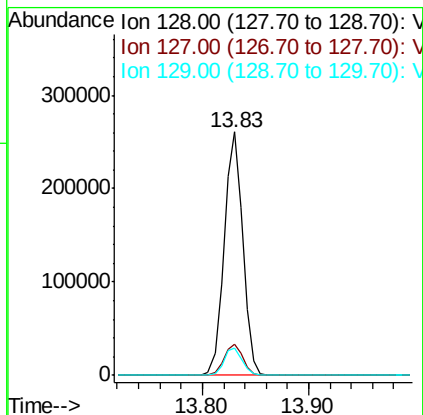
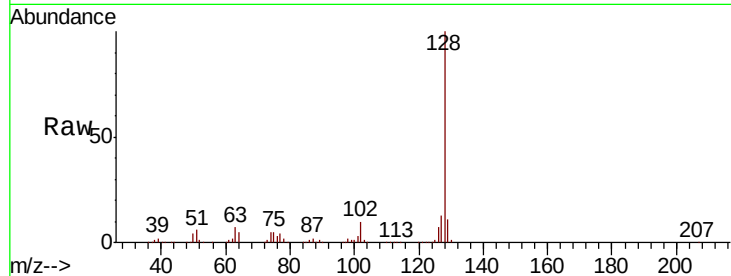
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	317428
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.7	16.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/28/2019 12:53:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.907 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013219.D

Acq: 25 Oct 2019 10:19

Tgt Ion:	180	Resp:	104012
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.3	144.9
145	35.1	18.6	55.6

