

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX103019\
 Data File : VX013280.D
 Acq On : 30 Oct 2019 12:10
 Operator : JC/SP
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 4:05:25 PM

Quant Time: Oct 31 02:07:17 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	72258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	102467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	103418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	70224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	81151	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	5.49	113	62882	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	8.71	98	220067	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.13	95	86792	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	26312	18.046	ug/l	100
3) Chloromethane	1.32	50	20860	18.011	ug/l	96
4) Vinyl Chloride	1.40	62	22670	17.277	ug/l	97
5) Bromomethane	1.63	94	16499	23.723	ug/l	94
6) Chloroethane	1.72	64	20241	26.355	ug/l	97
7) Trichlorofluoromethane	1.92	101	52908	25.699	ug/l	98
8) Diethyl Ether	2.18	74	18131	25.532	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24788	19.331	ug/l	99
10) Methyl Iodide	2.50	142	24502	17.633	ug/l	99
11) Tert butyl alcohol	3.03	59	34506	104.626	ug/l	100
12) 1,1-Dichloroethene	2.37	96	22486	18.268	ug/l	95
13) Acrolein	2.28	56	14418	81.312	ug/l	99
14) Allyl chloride	2.72	41	34326	17.713	ug/l	96
15) Acrylonitrile	3.13	53	63033	94.622	ug/l	98
16) Acetone	2.44	43	68097	95.640	ug/l	99
17) Carbon Disulfide	2.56	76	54129	16.357	ug/l	99
18) Methyl Acetate	2.76	43	31878	21.076	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	84492	19.492	ug/l	100
20) Methylene Chloride	2.85	84	26324	19.945	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	24919	19.748	ug/l	90
22) Diisopropyl ether	3.85	45	71265	18.808	ug/l	97
23) Vinyl Acetate	3.81	43	304416	94.523	ug/l	97
24) 1,1-Dichloroethane	3.69	63	44569	19.123	ug/l	98
25) 2-Butanone	4.66	43	90060	94.316	ug/l	96
26) 2,2-Dichloropropane	4.58	77	41558	19.294	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	28796	19.102	ug/l	99
28) Bromochloromethane	5.01	49	12361	20.569	ug/l	98
29) Tetrahydrofuran	5.12	42	52615	91.414	ug/l	98
30) Chloroform	5.20	83	49462	19.933	ug/l	99
31) Cyclohexane	5.58	56	36371	18.609	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	46049	20.871	ug/l	99
36) 1,1-Dichloropropene	5.79	75	34917	20.311	ug/l	99
37) Ethyl Acetate	4.82	43	32981	19.315	ug/l	98
38) Carbon Tetrachloride	5.78	117	38778	20.474	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX103019\
 Data File : VX013280.D
 Acq On : 30 Oct 2019 12:10
 Operator : JC/SP
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 4:05:25 PM

Quant Time: Oct 31 02:07:17 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	7.46	83	39635	18.068	ug/l	97
40) Benzene	6.14	78	99058	19.247	ug/l	96
41) Methacrylonitrile	5.03	41	17626	19.254	ug/l	96
42) 1,2-Dichloroethane	6.18	62	41088	21.174	ug/l	99
43) Isopropyl Acetate	6.43	43	55065	19.423	ug/l	99
44) Trichloroethene	7.20	130	27145	18.583	ug/l	95
45) 1,2-Dichloropropane	7.51	63	24116	18.708	ug/l	100
46) Dibromomethane	7.65	93	18327	19.733	ug/l	98
47) Bromodichloromethane	7.89	83	36549	20.194	ug/l	99
48) Methyl methacrylate	7.76	41	27658	19.738	ug/l	98
49) 1,4-Dioxane	7.73	88	14245	399.434	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	169994	98.374	ug/l	100
52) Toluene	8.78	92	65330	19.153	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	39294	20.430	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	42086	20.002	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	26981	20.008	ug/l	95
56) Ethyl methacrylate	9.17	69	40248	19.830	ug/l	98
57) 1,3-Dichloropropane	9.37	76	44899	19.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	83137	104.977	ug/l	98
59) 2-Hexanone	9.48	43	130707	98.195	ug/l	97
60) Dibromochloromethane	9.57	129	30299	21.442	ug/l	99
61) 1,2-Dibromoethane	9.67	107	29348	20.500	ug/l	97
64) Tetrachloroethene	9.33	164	28245	21.018	ug/l	98
65) Chlorobenzene	10.14	112	70980	19.607	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	28307	21.166	ug/l	98
67) Ethyl Benzene	10.25	91	127613	19.690	ug/l	99
68) m/p-Xylenes	10.35	106	94057	38.402	ug/l	98
69) o-Xylene	10.70	106	46257	19.688	ug/l	98
70) Styrene	10.71	104	77676	19.199	ug/l	97
71) Bromoform	10.85	173	20138	20.608	ug/l #	99
73) Isopropylbenzene	11.01	105	128187	20.101	ug/l	99
74) N-amyl acetate	10.89	43	44823	19.151	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	36791	19.001	ug/l	92
76) 1,2,3-Trichloropropane	11.29	75	32783m	19.369	ug/l	
77) Bromobenzene	11.25	156	29862	19.538	ug/l	98
78) n-propylbenzene	11.35	91	136863	19.758	ug/l	100
79) 2-Chlorotoluene	11.42	91	87225	19.930	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	109404	20.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11826	19.200	ug/l	96
82) 4-Chlorotoluene	11.51	91	98898	19.943	ug/l	99
83) tert-Butylbenzene	11.76	119	101763	19.405	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	112748	21.088	ug/l	98
85) sec-Butylbenzene	11.94	105	118046	19.781	ug/l	100
86) p-Isopropyltoluene	12.06	119	111547	19.896	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	54379	19.694	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	52655	18.730	ug/l	99
89) n-Butylbenzene	12.38	91	84116	18.340	ug/l	99
90) Hexachloroethane	12.59	117	18397	19.594	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	51994	19.150	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9793	20.338	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103019\
Data File : VX013280.D
Acq On : 30 Oct 2019 12:10
Operator : JC/SP
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

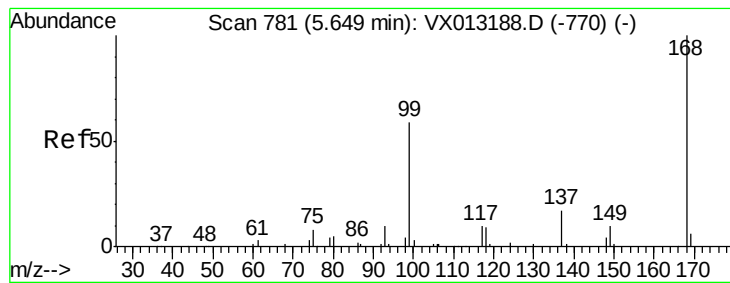
Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM

Quant Time: Oct 31 02:07:17 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)
93) 1,2,4-Trichlorobenzene	13.64	180	30680	17.945	ug/l	98
94) Hexachlorobutadiene	13.78	225	16554	18.718	ug/l	98
95) Naphthalene	13.83	128	100834	19.216	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	31551	18.675	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 168 Resp: 72258

Ion Ratio Lower Upper

168 100

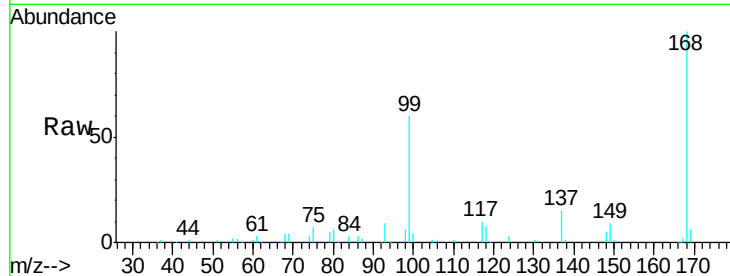
99 59.6 47.0 70.4

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

30000

25000

20000

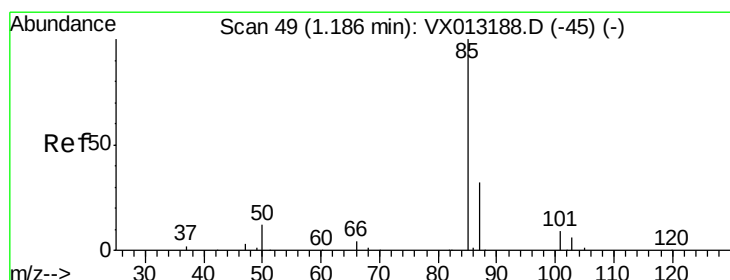
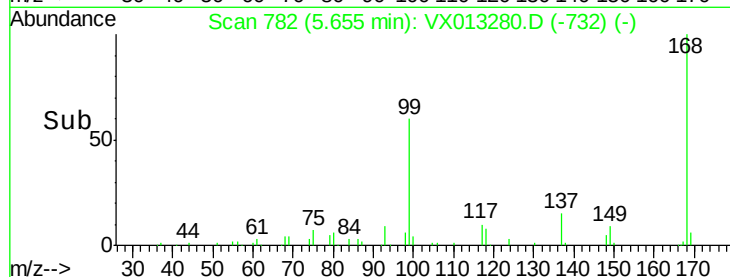
15000

10000

5000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.046 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013280.D

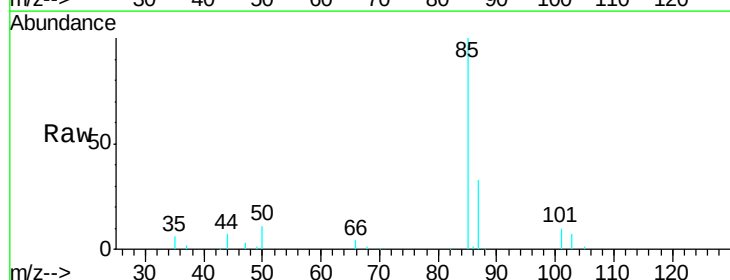
Acq: 30 Oct 2019 12:10

Tgt Ion: 85 Resp: 26312

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

25000

20000

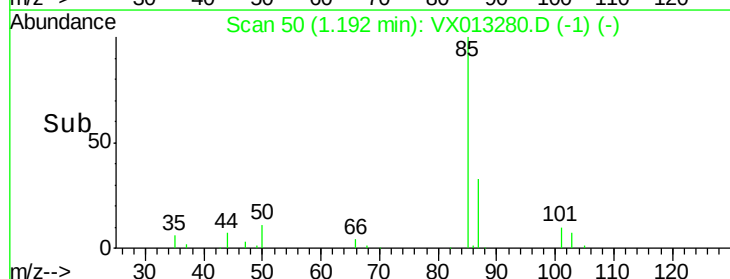
15000

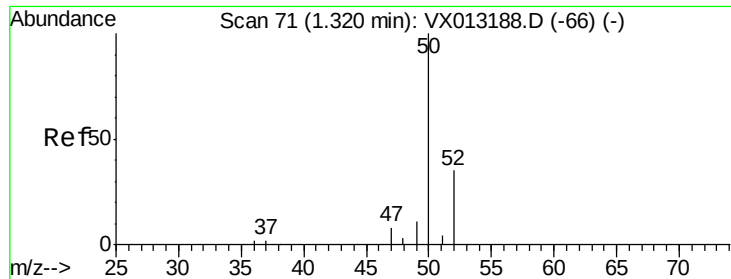
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.011 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 50 Resp: 20860

Ion Ratio Lower Upper

50 100

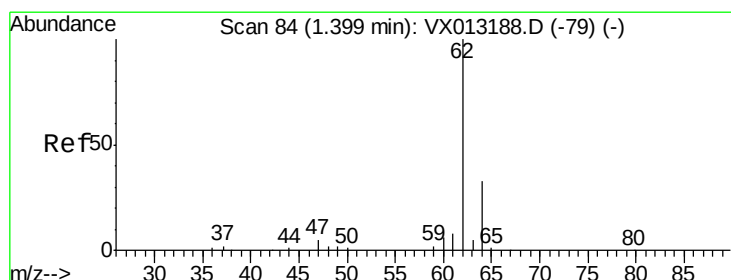
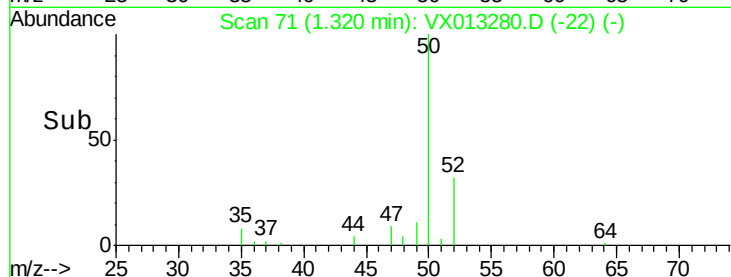
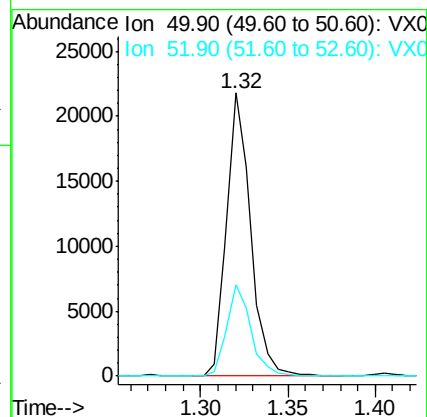
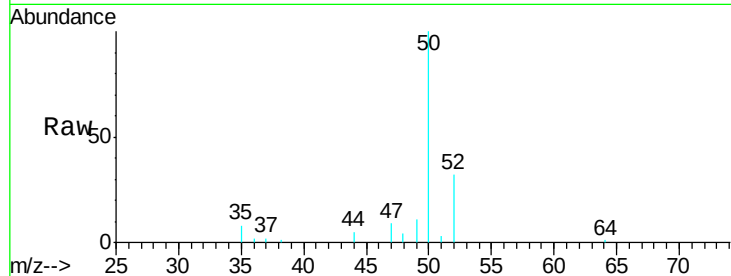
52 32.4 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#4

Vinyl Chloride

Concen: 17.277 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013280.D

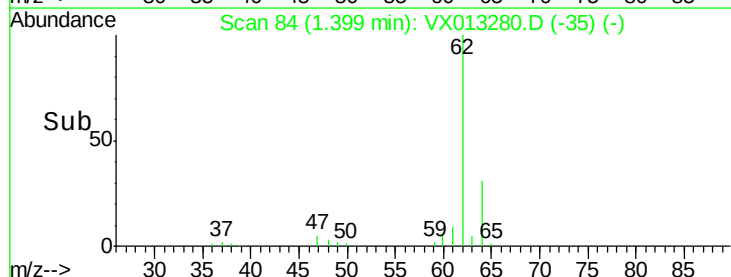
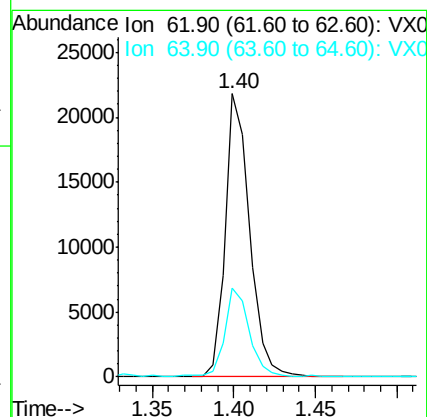
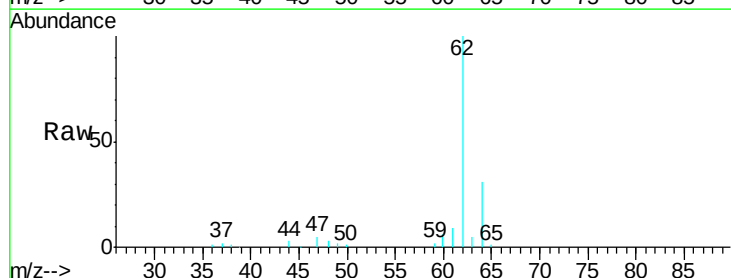
Acq: 30 Oct 2019 12:10

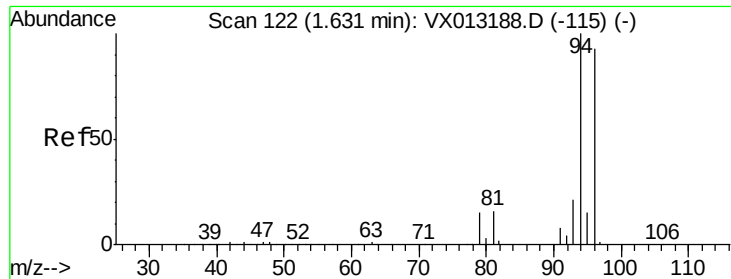
Tgt Ion: 62 Resp: 22670

Ion Ratio Lower Upper

62 100

64 31.4 26.4 39.6





#5

Bromomethane

Concen: 23.723 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 94 Resp: 16499

Ion Ratio Lower Upper

94 100

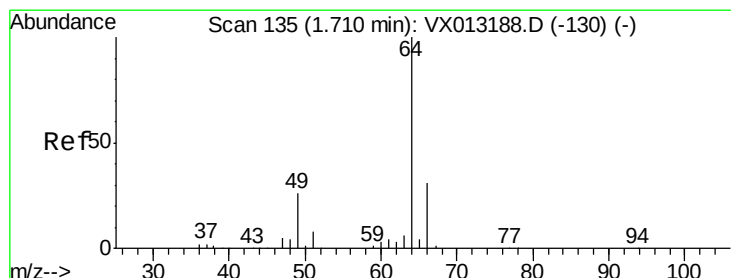
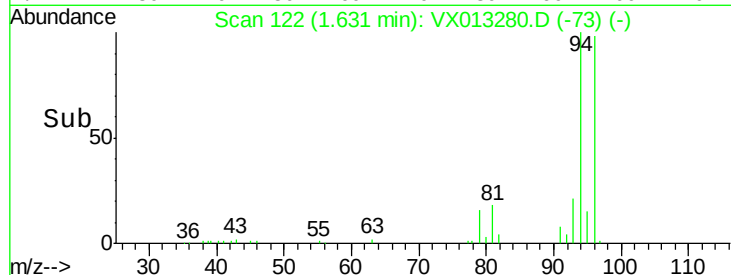
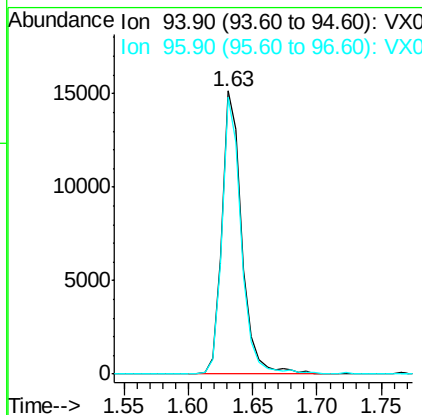
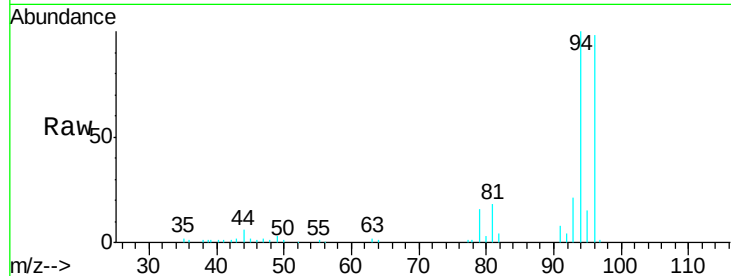
96 98.1 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#6

Chloroethane

Concen: 26.355 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013280.D

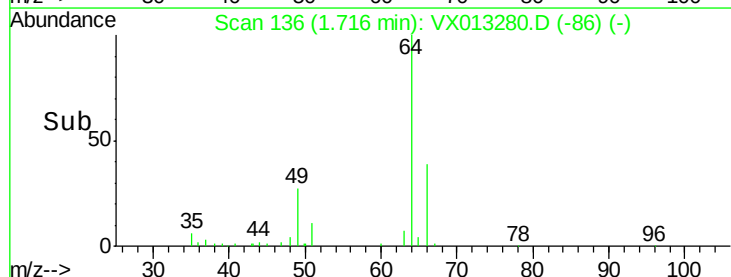
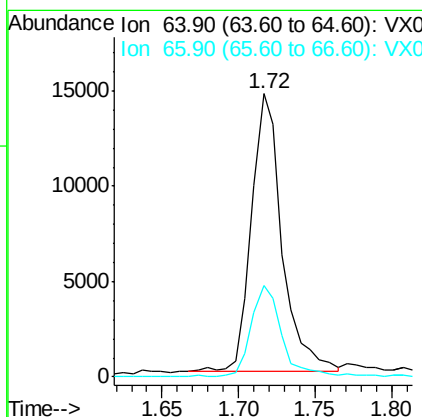
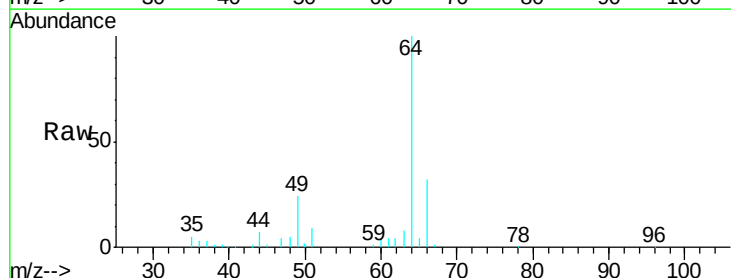
Acq: 30 Oct 2019 12:10

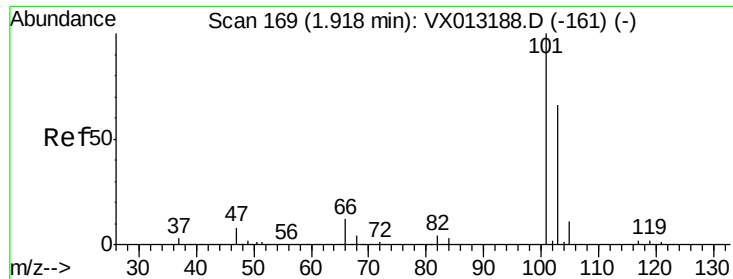
Tgt Ion: 64 Resp: 20241

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.6





#7

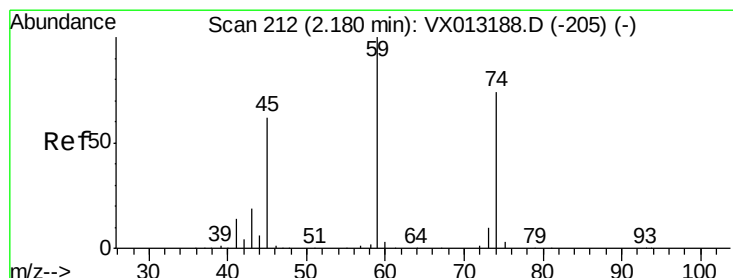
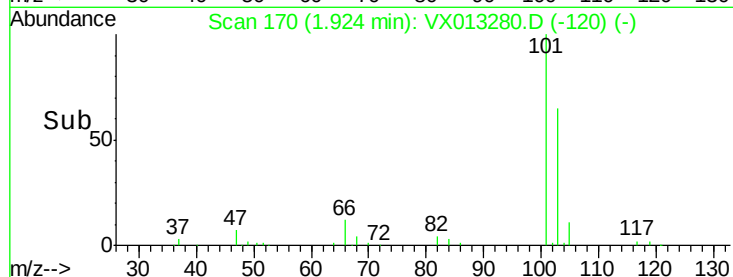
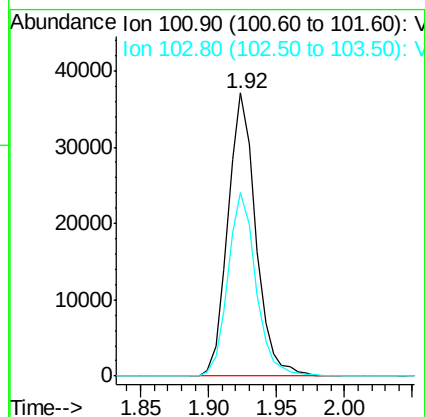
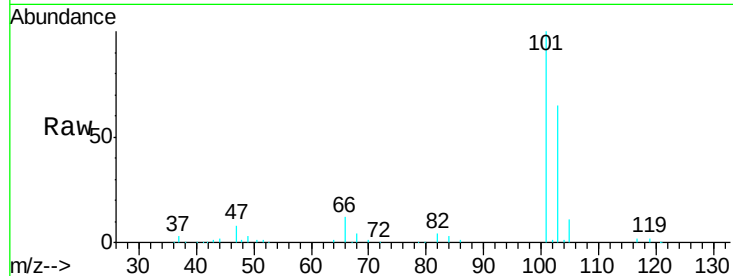
Trichlorofluoromethane
Concen: 25.699 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 101 Resp: 52908
Ion Ratio Lower Upper
101 100
103 64.6 53.0 79.6

Manual Integrations
APPROVED

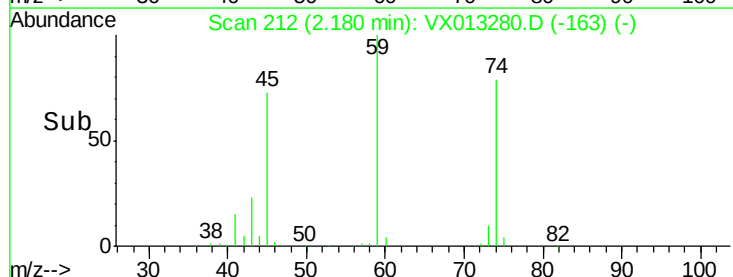
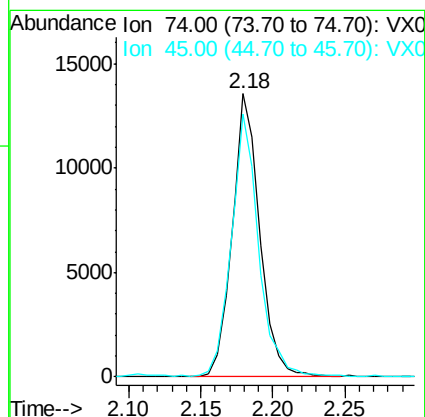
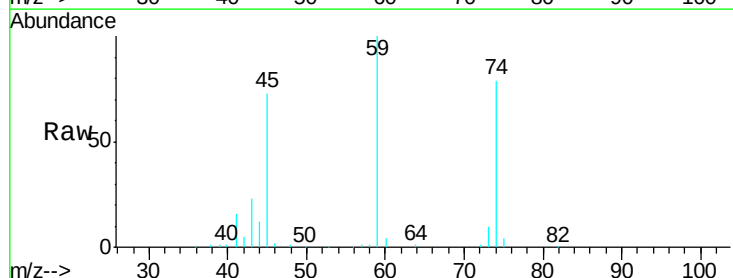
MMDadoda
10/31/2019 4:05:25 PM

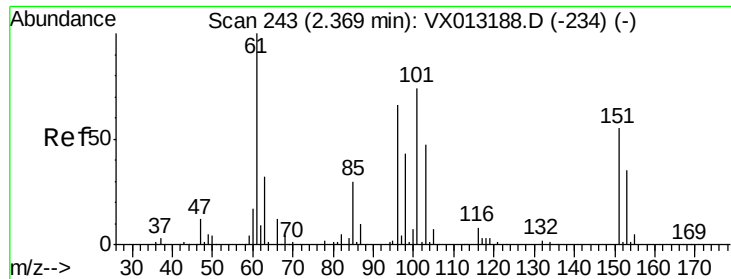


#8

Diethyl Ether
Concen: 25.532 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 74 Resp: 18131
Ion Ratio Lower Upper
74 100
45 93.3 44.8 134.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.331 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

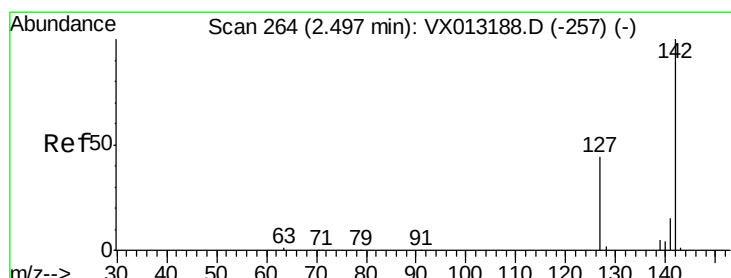
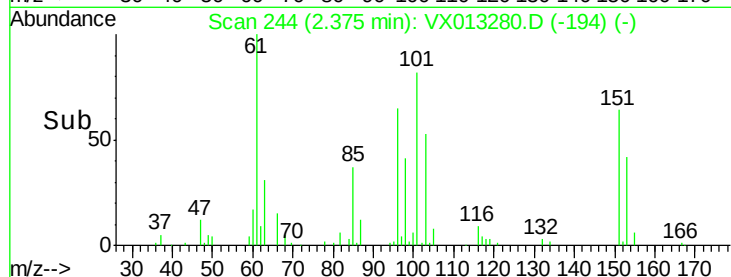
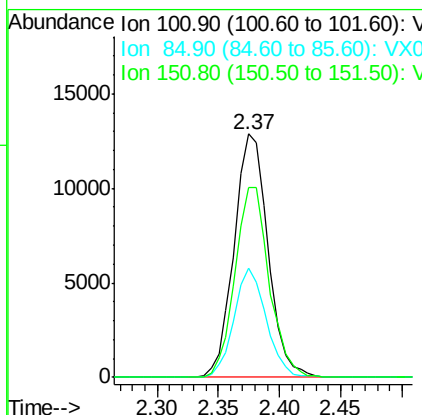
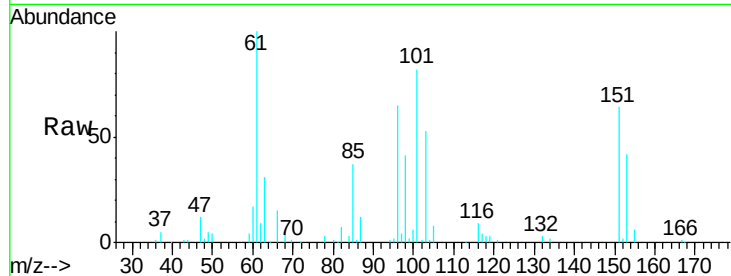
ClientSampleId :

VX1030WBS01

Tgt Ion:	101	Resp:	24788
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.0	51.0
151	78.2	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#10

Methyl Iodide

Concen: 17.633 ug/l

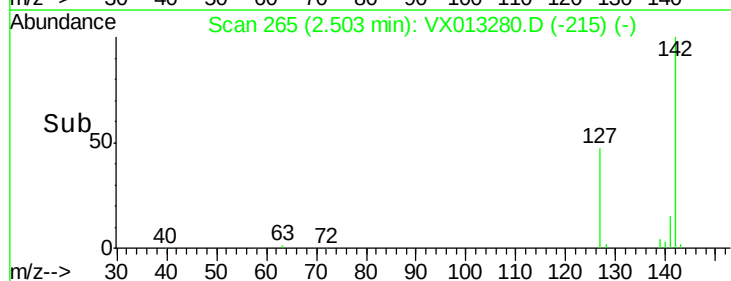
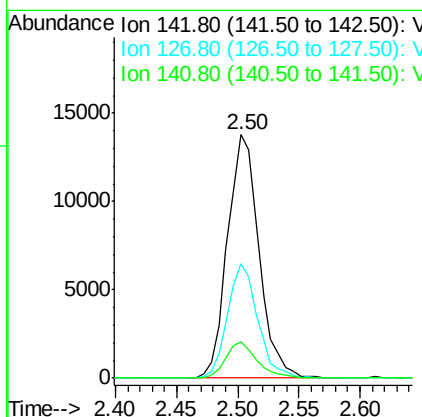
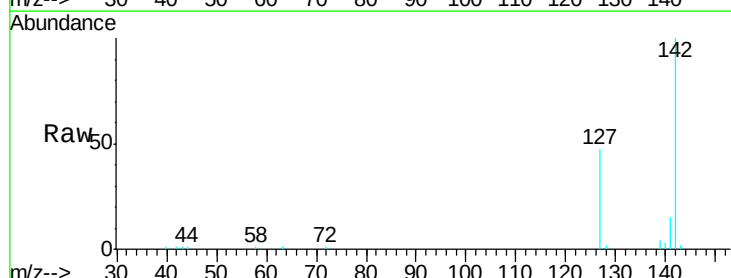
RT: 2.50 min Scan# 265

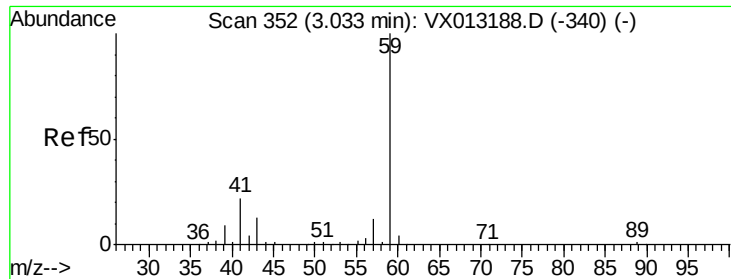
Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	142	Resp:	24502
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.6	53.4
141	14.8	11.6	17.4





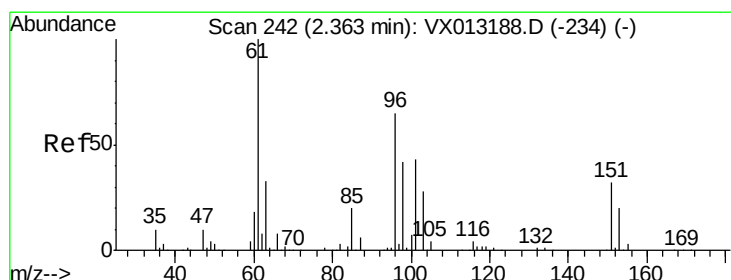
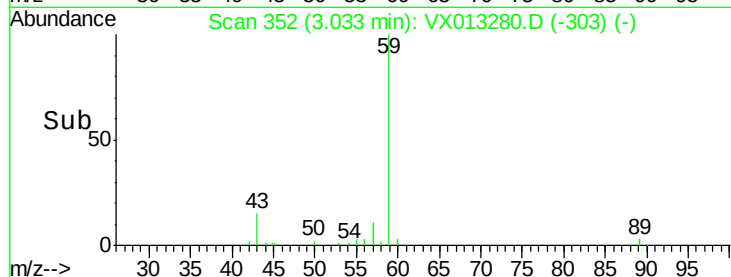
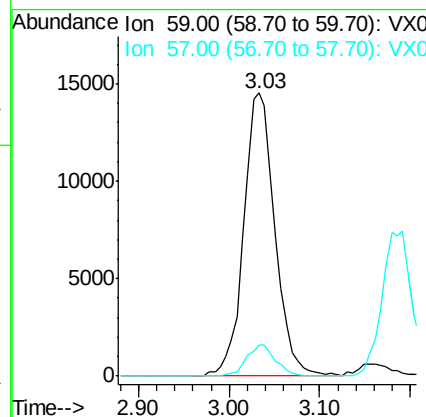
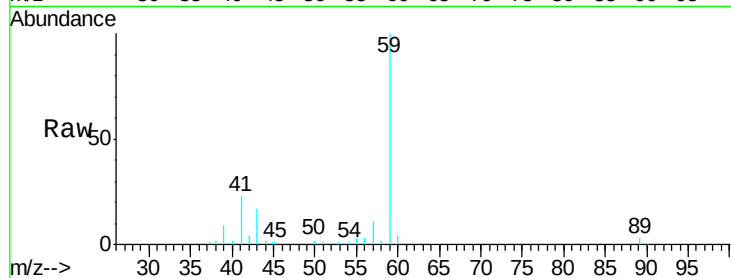
#11
Tert butyl alcohol
Concen: 104.626 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 59 Resp: 34506
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

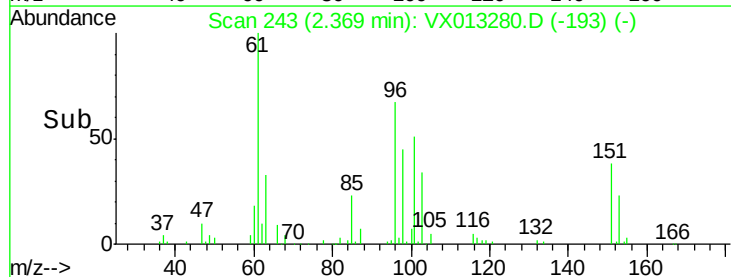
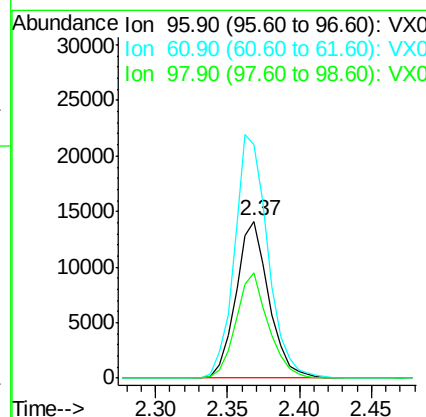
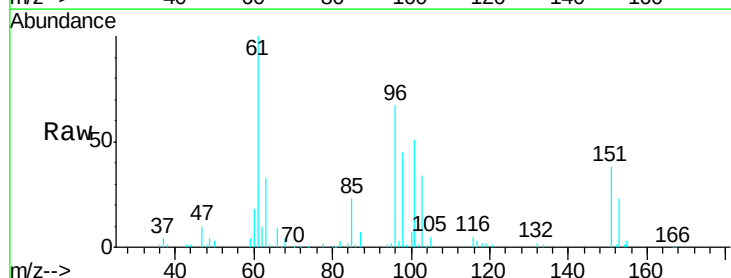
Manual Integrations
APPROVED

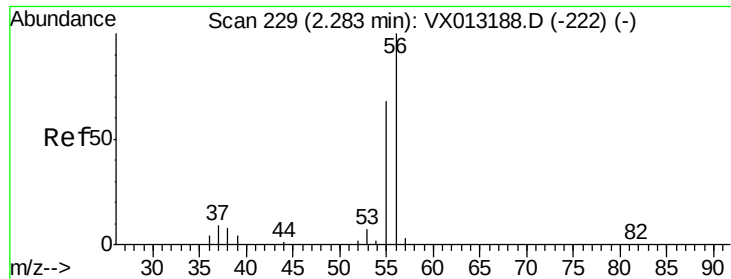
MMDadoda
10/31/2019 4:05:25 PM



#12
1,1-Dichloroethene
Concen: 18.268 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 96 Resp: 22486
Ion Ratio Lower Upper
96 100
61 148.2 123.8 185.8
98 67.1 51.6 77.4





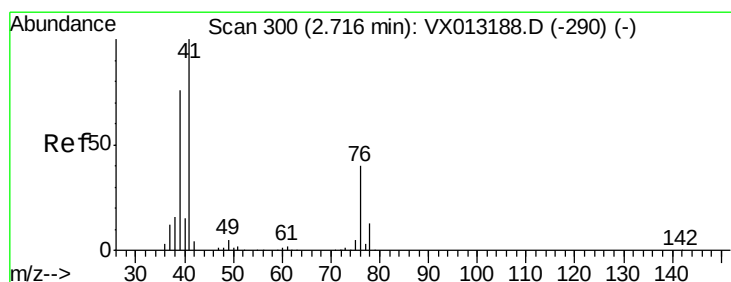
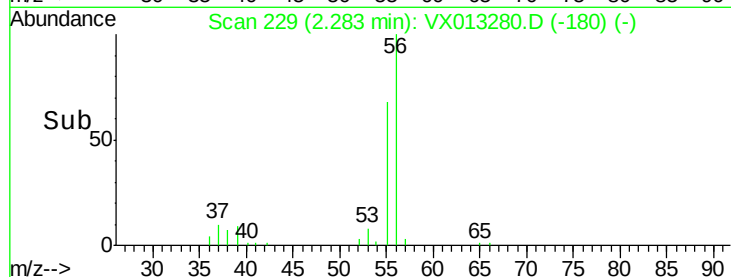
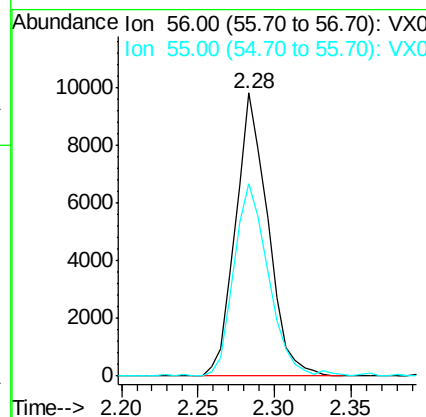
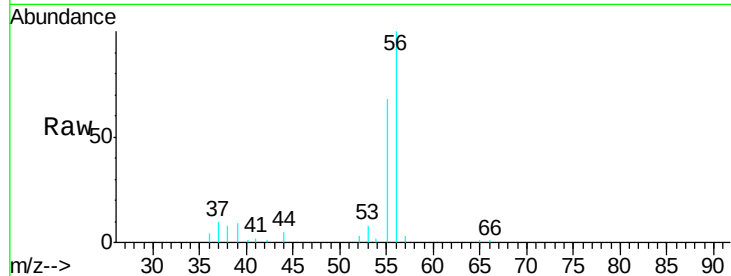
#13
Acrolein
Concen: 81.312 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 56 Resp: 14418
Ion Ratio Lower Upper
56 100
55 72.5 58.9 88.3

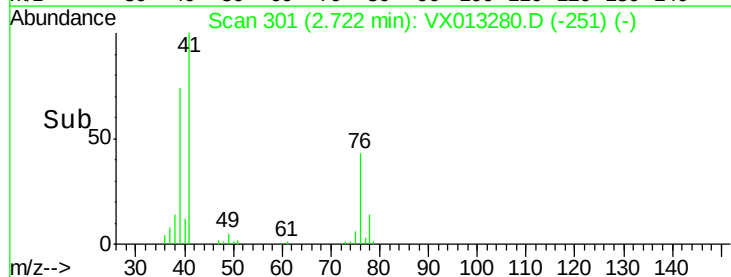
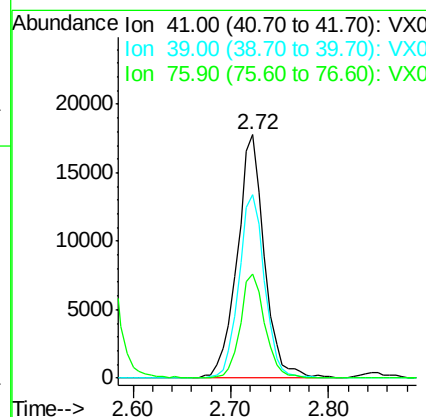
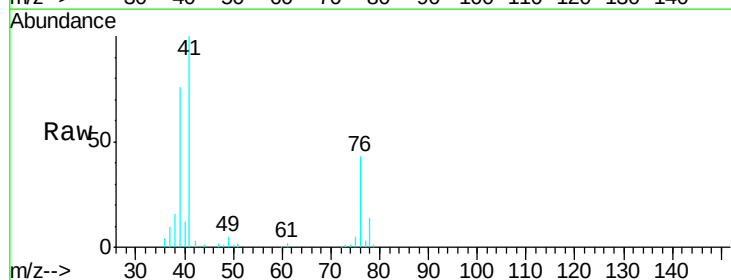
Manual Integrations
APPROVED

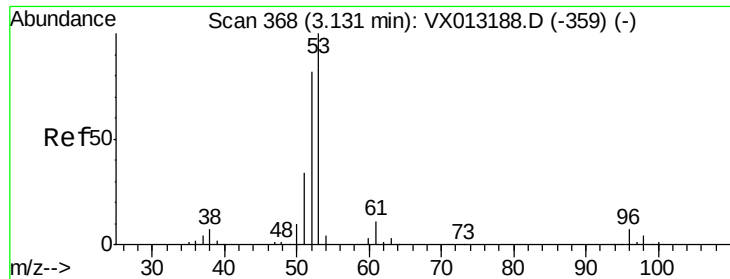
MMDadoda
10/31/2019 4:05:25 PM



#14
Allyl chloride
Concen: 17.713 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 41 Resp: 34326
Ion Ratio Lower Upper
41 100
39 71.7 54.6 81.8
76 38.6 29.8 44.6





#15

Acrylonitrile

Concen: 94.622 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

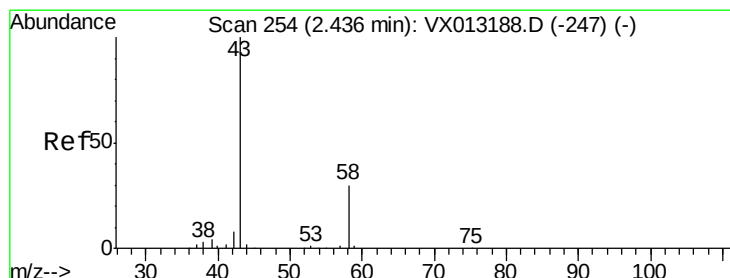
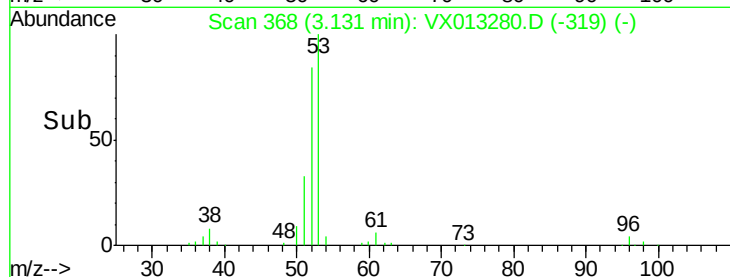
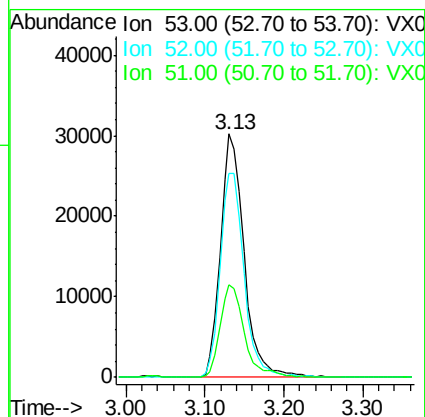
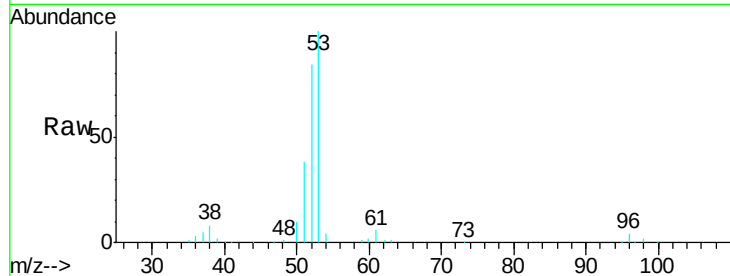
ClientSampleId :

VX1030WBS01

Tgt Ion:	53	Resp:	63033
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.4	99.6
51	38.9	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#16

Acetone

Concen: 95.640 ug/l

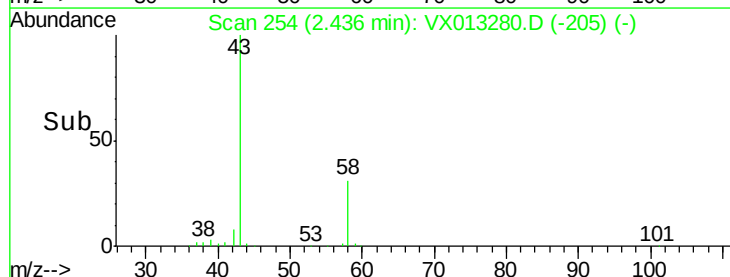
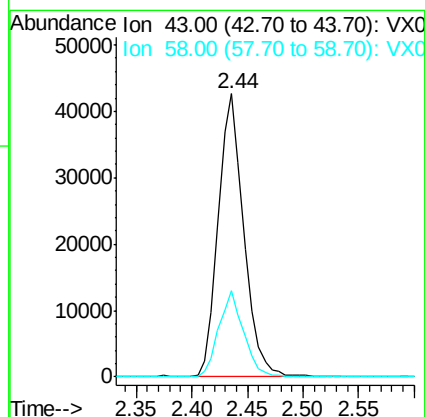
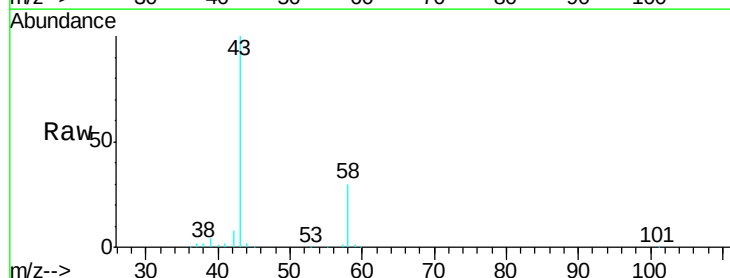
RT: 2.44 min Scan# 254

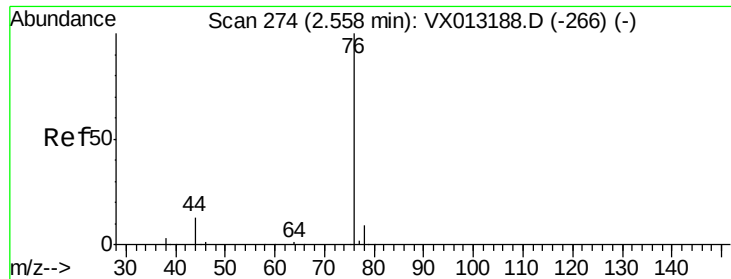
Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	43	Resp:	68097
Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.8	35.6





#17

Carbon Disulfide

Concen: 16.357 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 76 Resp: 54129

Ion Ratio Lower Upper

76 100

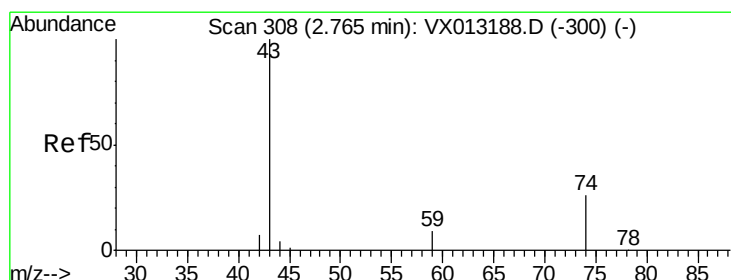
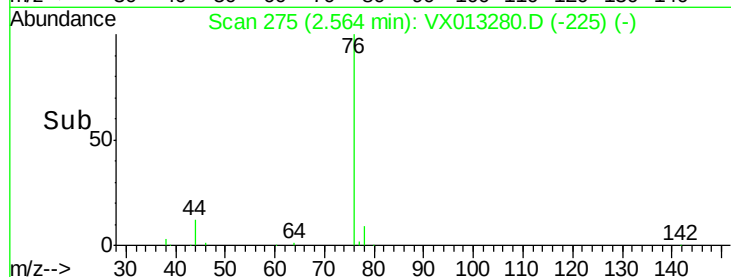
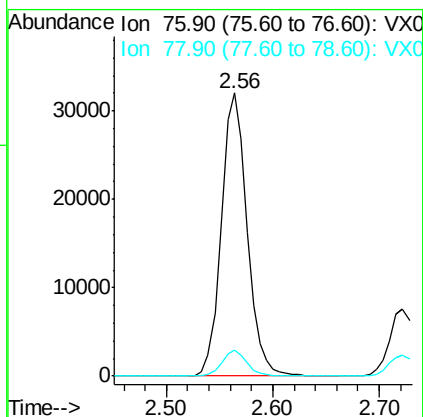
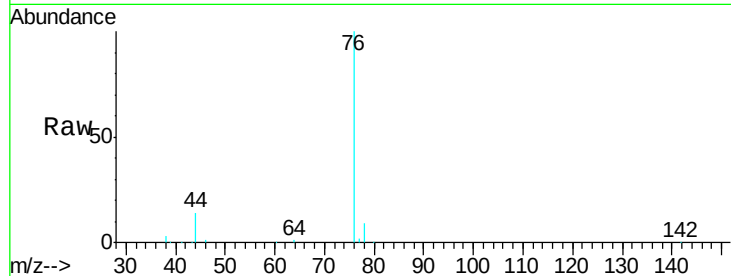
78 9.0 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#18

Methyl Acetate

Concen: 21.076 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX013280.D

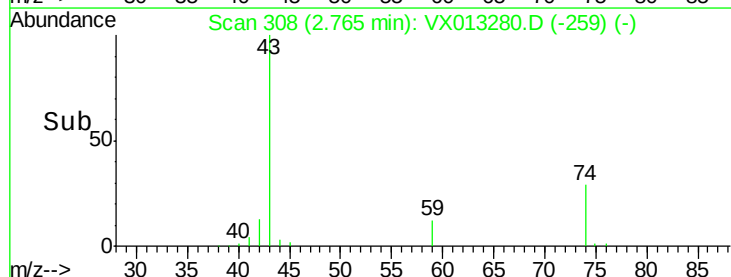
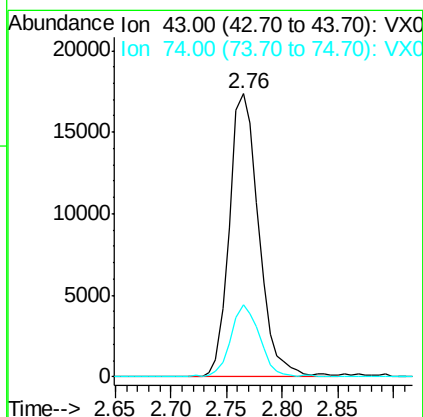
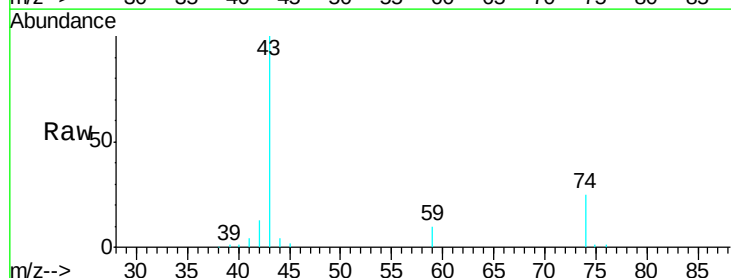
Acq: 30 Oct 2019 12:10

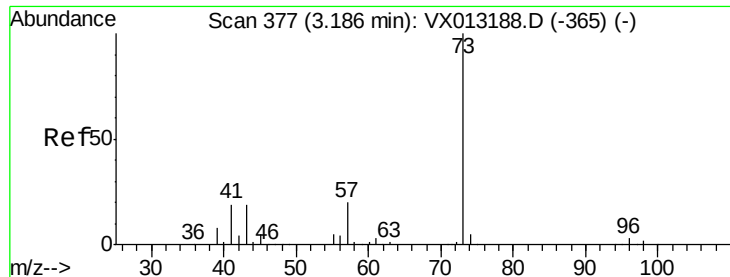
Tgt Ion: 43 Resp: 31878

Ion Ratio Lower Upper

43 100

74 24.9 20.9 31.3





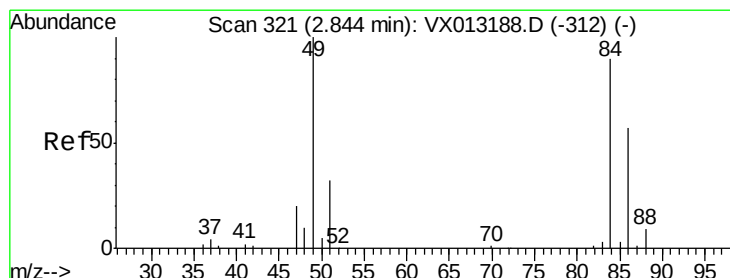
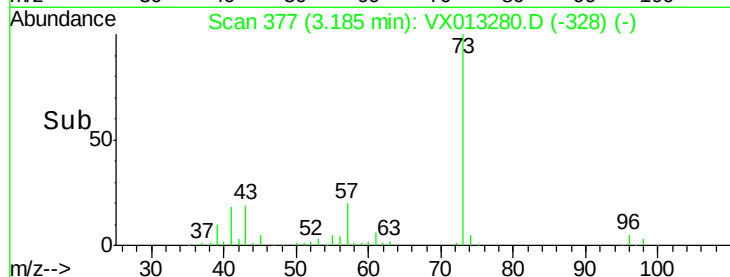
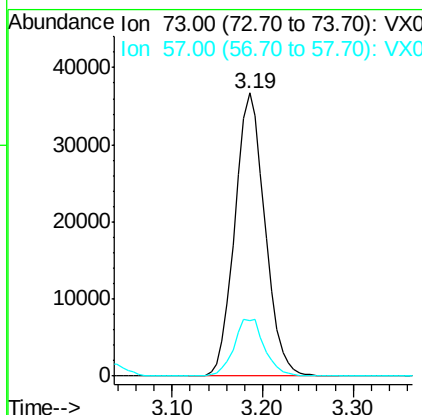
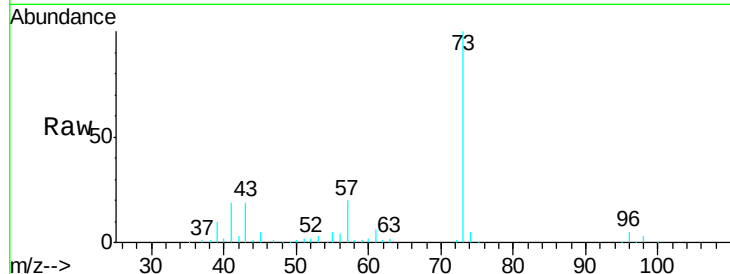
#19
Methyl tert-butyl Ether
Concen: 19.492 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 73 Resp: 84492
Ion Ratio Lower Upper
73 100
57 19.6 15.8 23.8

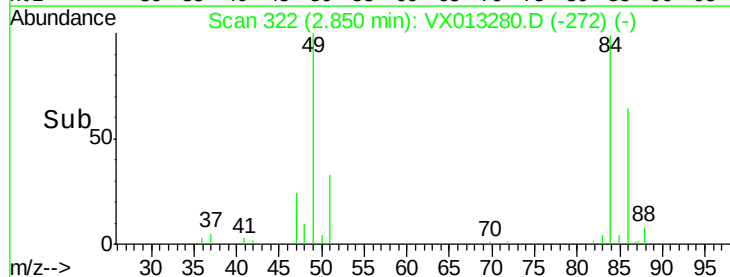
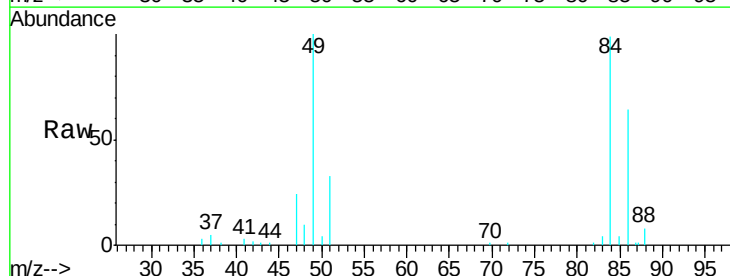
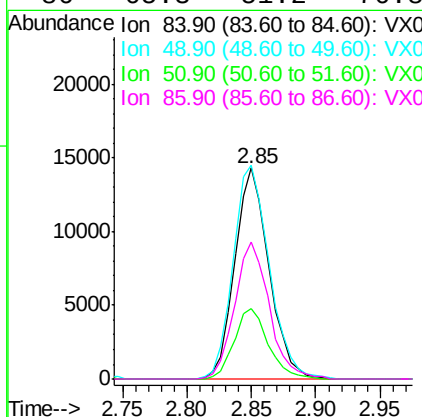
Manual Integrations
APPROVED

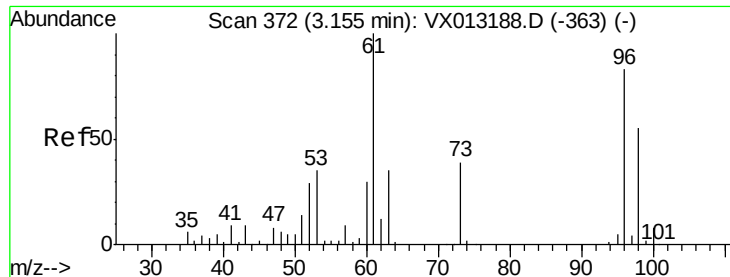
MMDadoda
10/31/2019 4:05:25 PM



#20
Methylene Chloride
Concen: 19.945 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 84 Resp: 26324
Ion Ratio Lower Upper
84 100
49 101.4 89.2 133.8
51 33.5 28.8 43.2
86 65.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

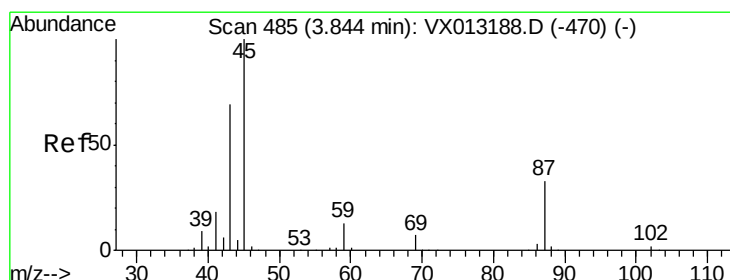
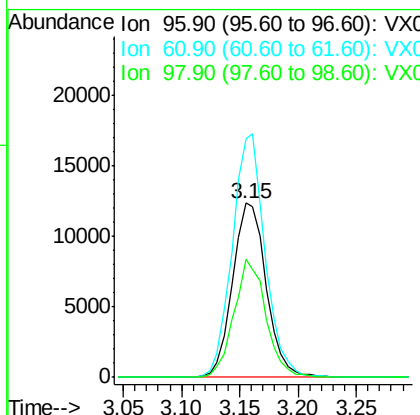
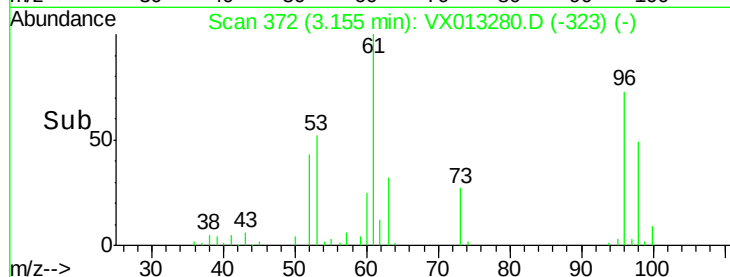
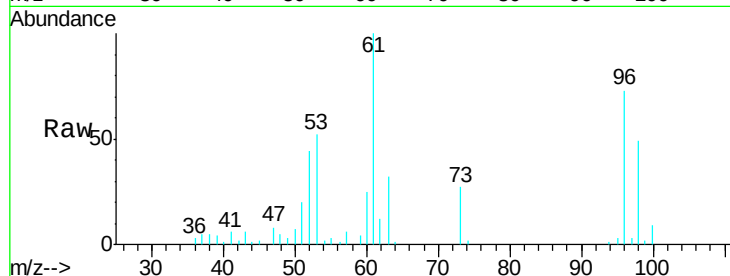
ClientSampleId :

VX1030WBS01

Tgt Ion:	96	Resp:	24919
Ion	Ratio	Lower	Upper
96	100		
61	136.7	96.9	145.3
98	67.6	53.0	79.4

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#22

Diisopropyl ether

Concen: 18.808 ug/l

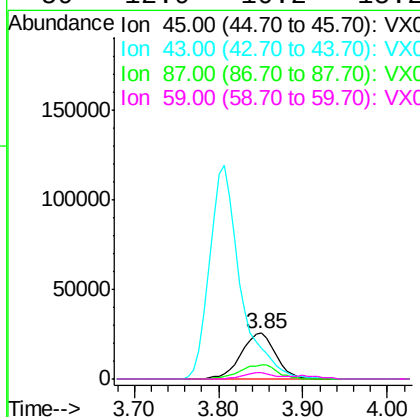
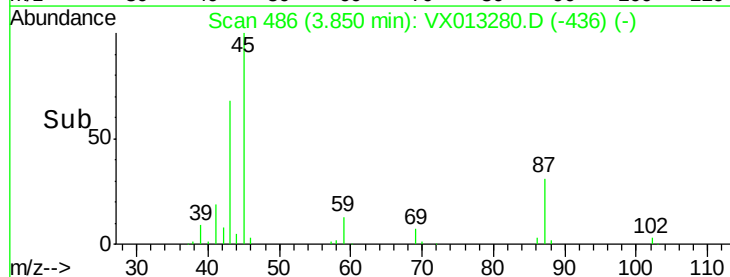
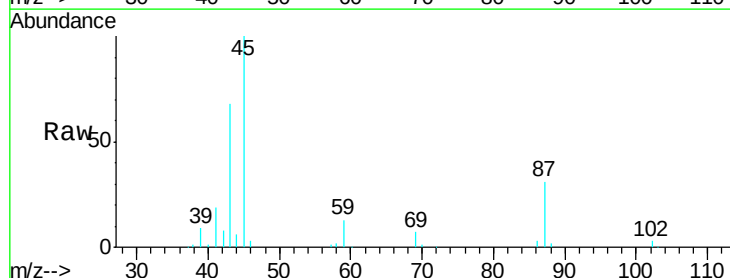
RT: 3.85 min Scan# 486

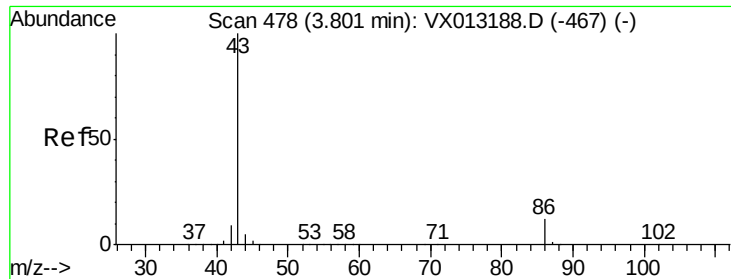
Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	45	Resp:	71265
Ion	Ratio	Lower	Upper
45	100		
43	67.0	55.5	83.3
87	31.3	26.7	40.1
59	12.9	10.2	15.2





#23

Vinyl Acetate

Concen: 94.523 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

Tgt Ion: 43 Resp: 304416

Ion Ratio Lower Upper

43 100

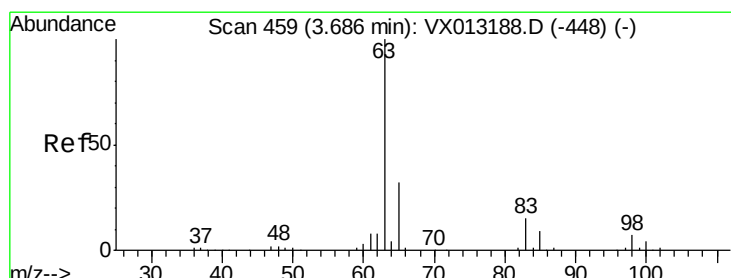
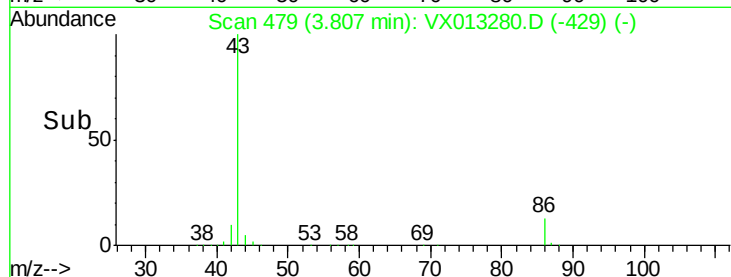
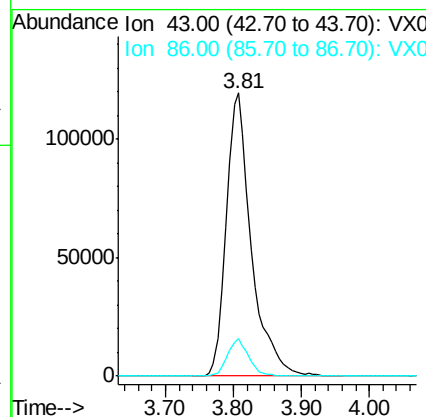
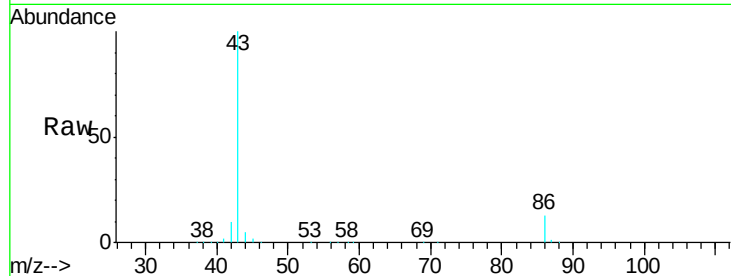
86 13.3 9.7 14.5

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#24

1,1-Dichloroethane

Concen: 19.123 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

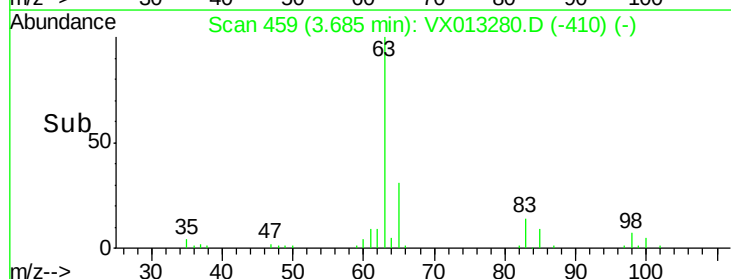
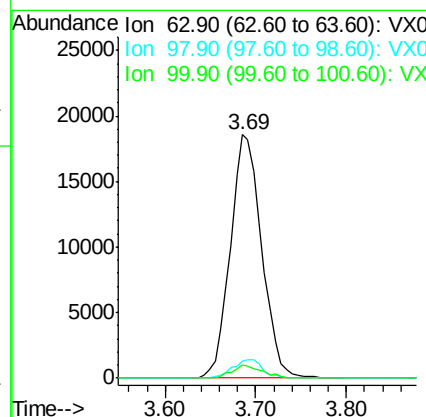
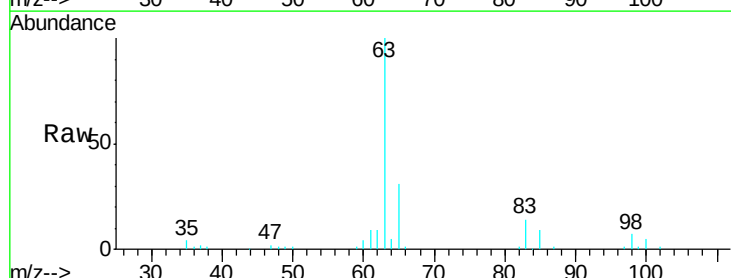
Tgt Ion: 63 Resp: 44569

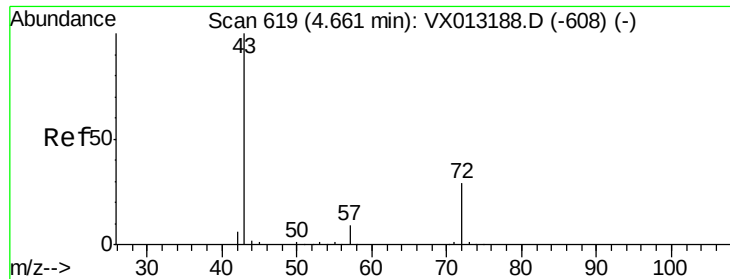
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 5.5 2.2 6.6





#25

2-Butanone

Concen: 94.316 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion: 43 Resp: 90060

Ion Ratio Lower Upper

43 100

72 27.2 23.4 35.2

Instrument :

MSVOA_X

ClientSampled :

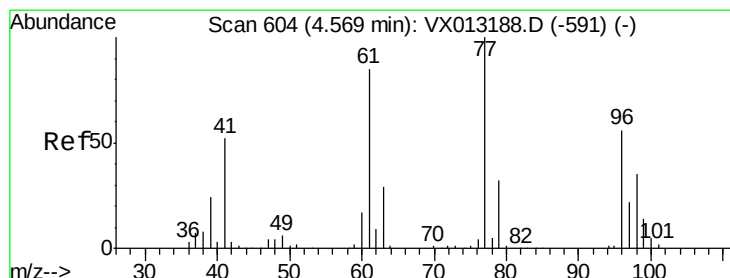
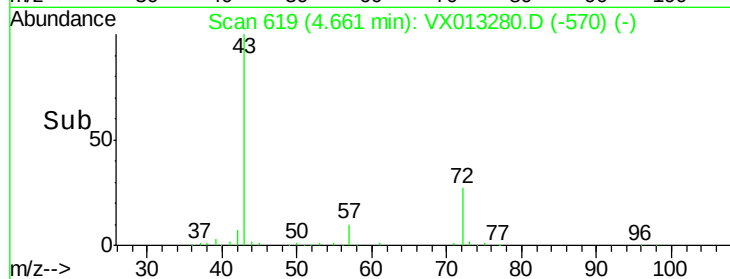
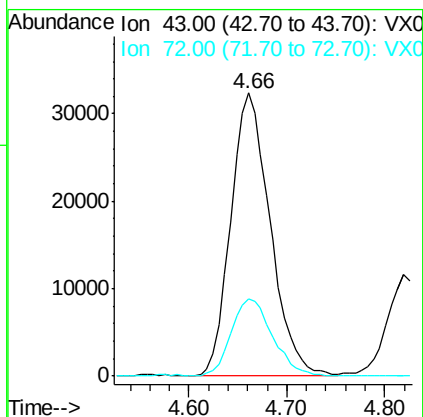
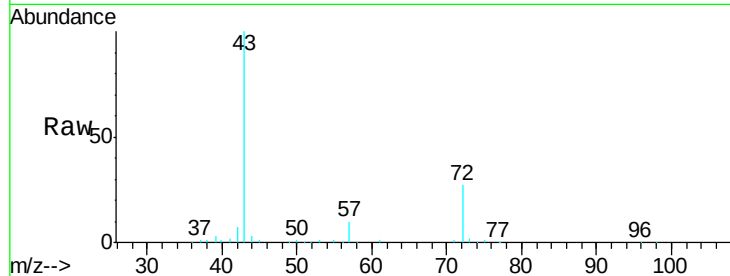
VX1030WBS01

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#26

2,2-Dichloropropane

Concen: 19.294 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013280.D

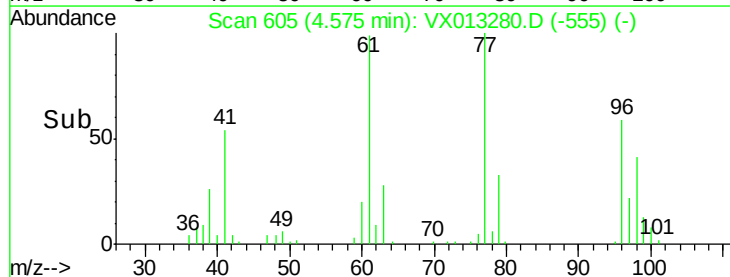
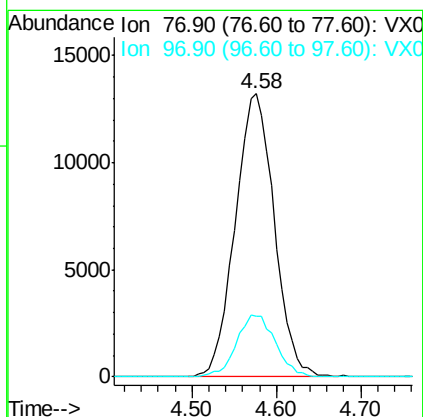
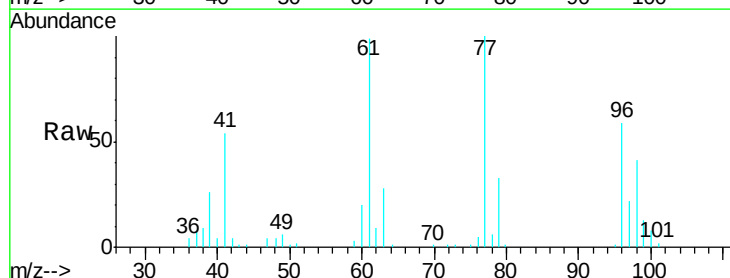
Acq: 30 Oct 2019 12:10

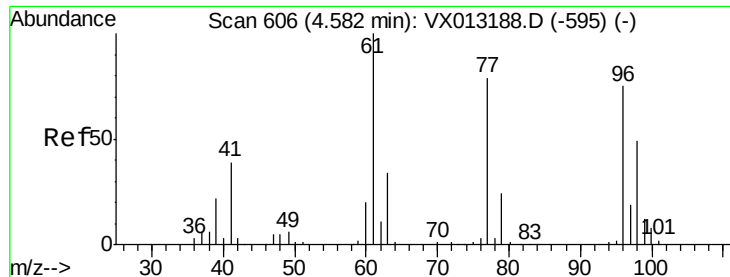
Tgt Ion: 77 Resp: 41558

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.6





#27

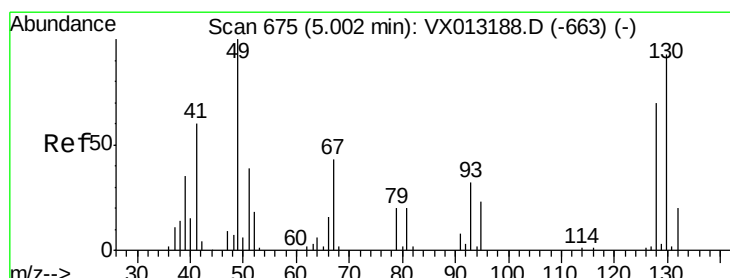
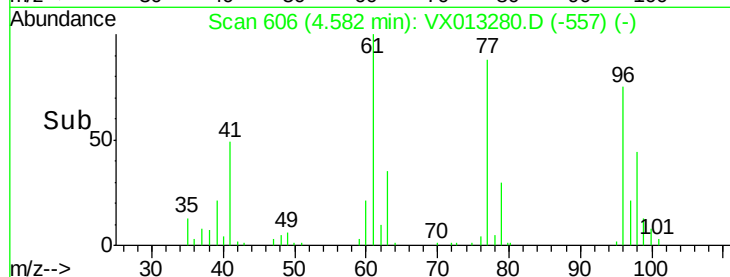
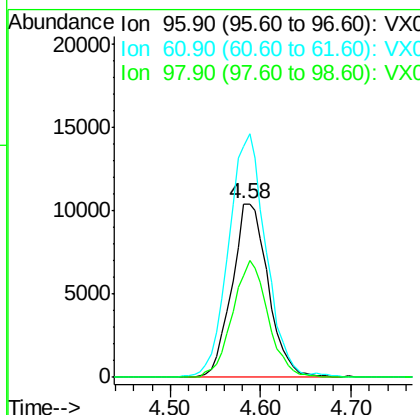
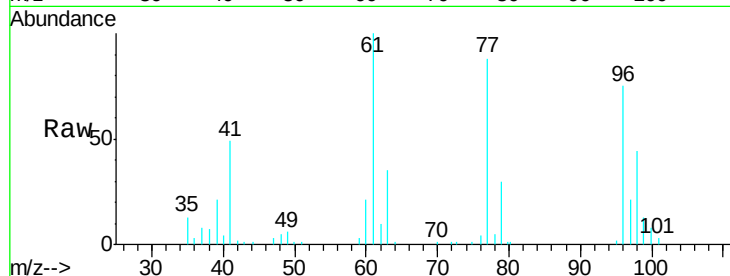
cis-1,2-Dichloroethene
Concen: 19.102 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	28796		
61	144.8	0.0	290.4	
98	66.0	0.0	130.4	

Manual Integrations
APPROVED

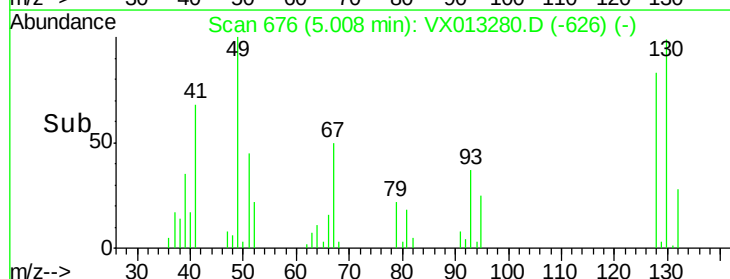
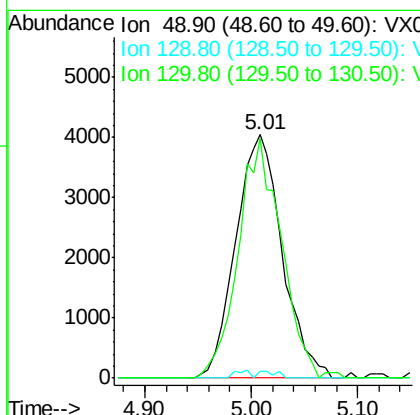
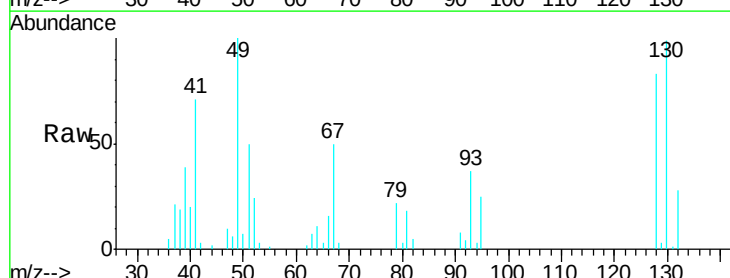
MMDadoda
10/31/2019 4:05:25 PM

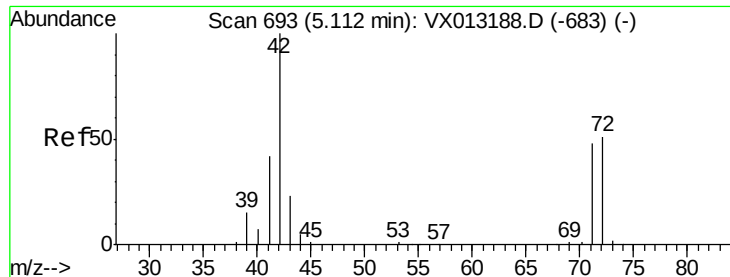


#28

Bromochloromethane
Concen: 20.569 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	12361		
129	1.1	0.0	4.8	
130	91.3	71.8	107.8	





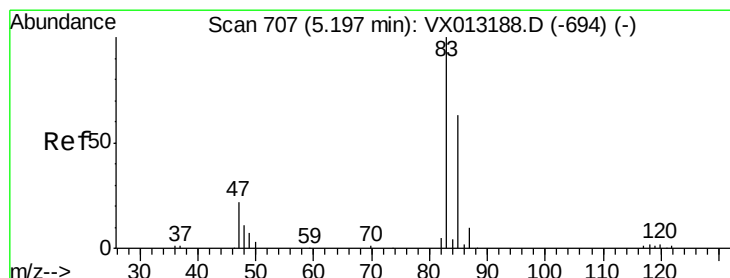
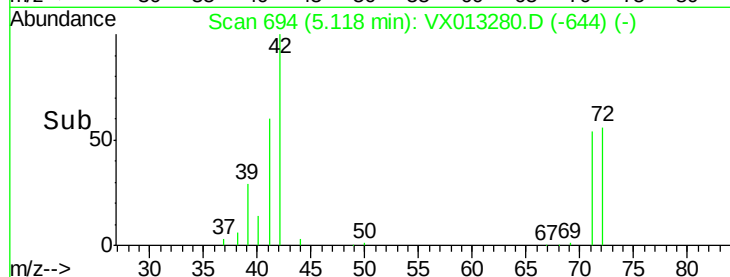
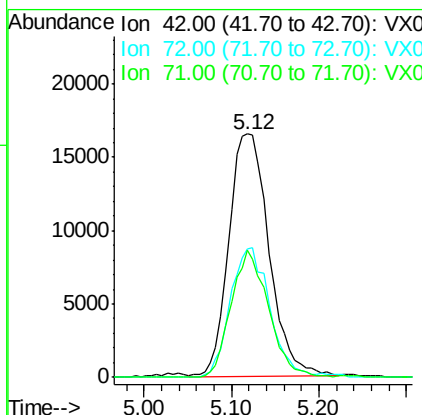
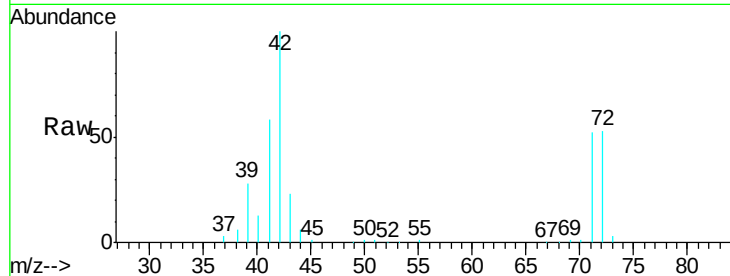
#29
Tetrahydrofuran
Concen: 91.414 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	52.7	40.9	61.3
71	49.2	38.6	57.8

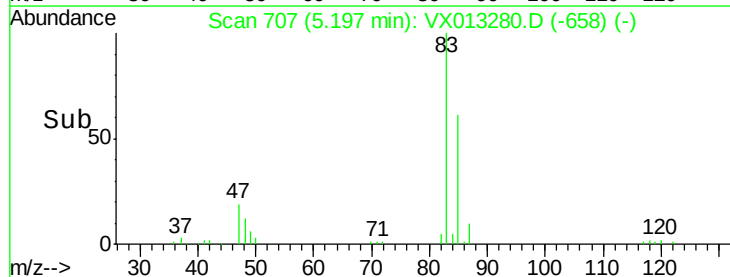
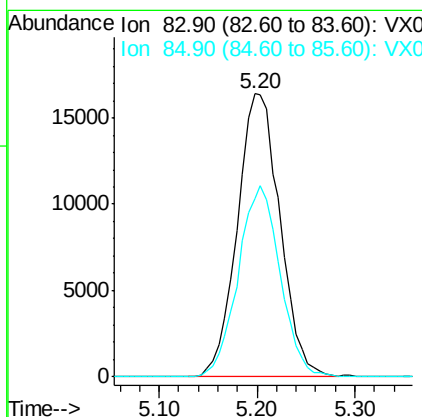
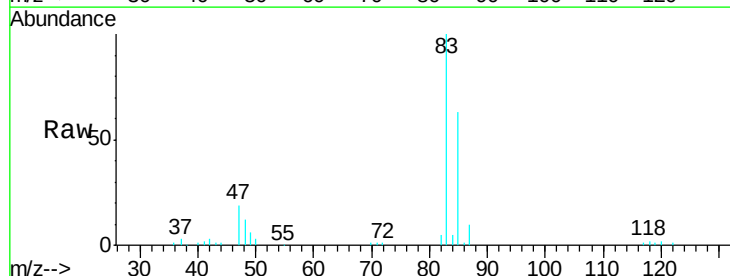
Manual Integrations
APPROVED

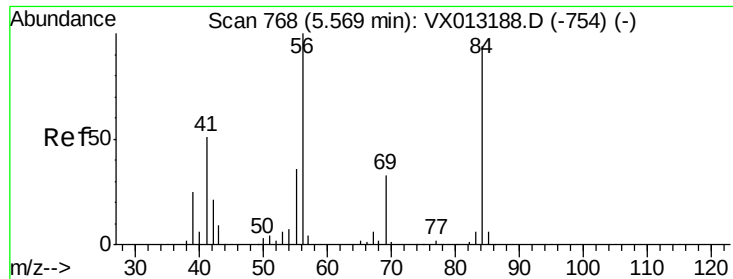
MMDadoda
10/31/2019 4:05:25 PM



#30
Chloroform
Concen: 19.933 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.1	75.1





#31

Cyclohexane

Concen: 18.609 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 56 Resp: 36371
Ion Ratio Lower Upper

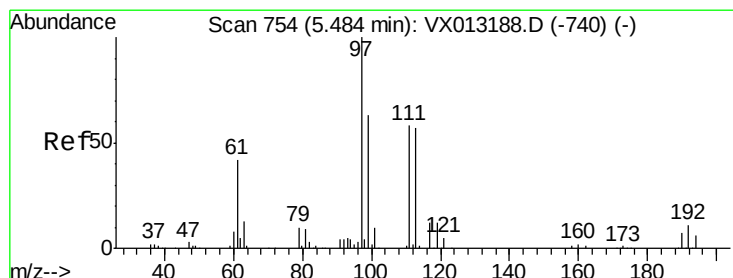
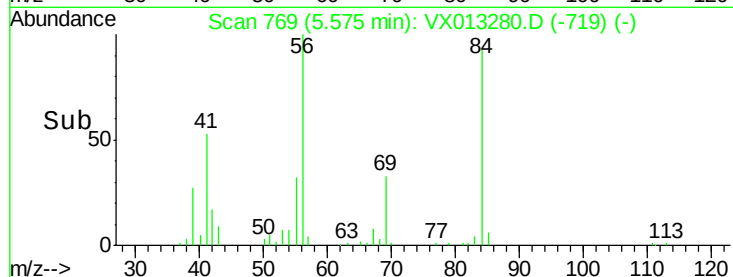
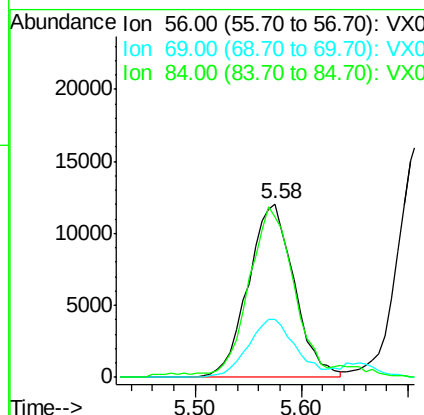
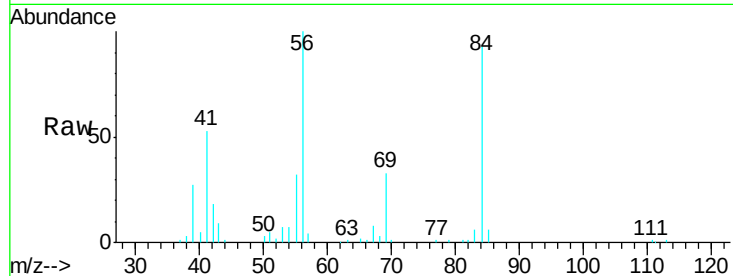
56 100

69 33.5 26.3 39.5

84 90.7 73.8 110.6

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#32

1,1,1-Trichloroethane

Concen: 20.871 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013280.D

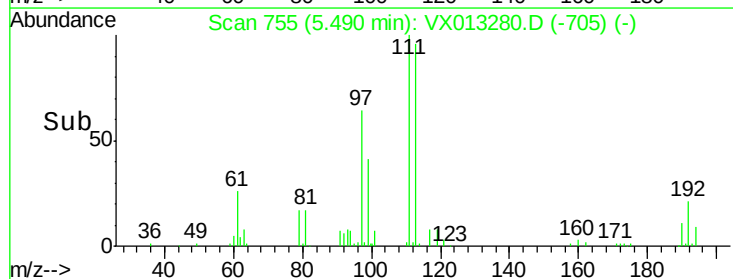
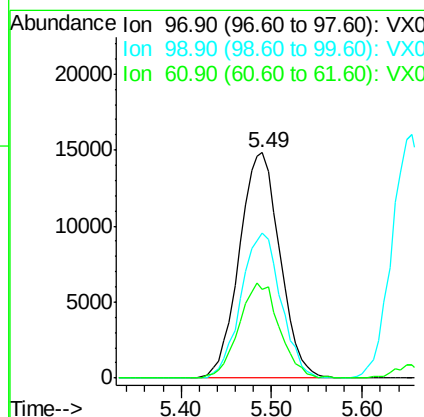
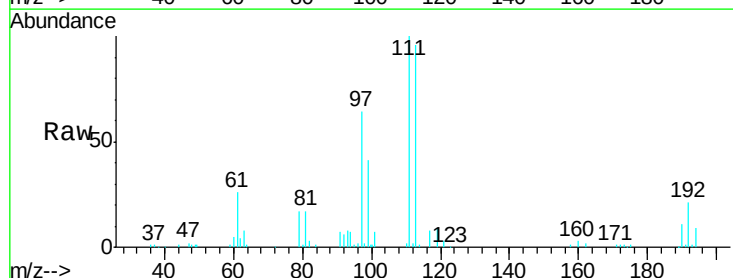
Acq: 30 Oct 2019 12:10

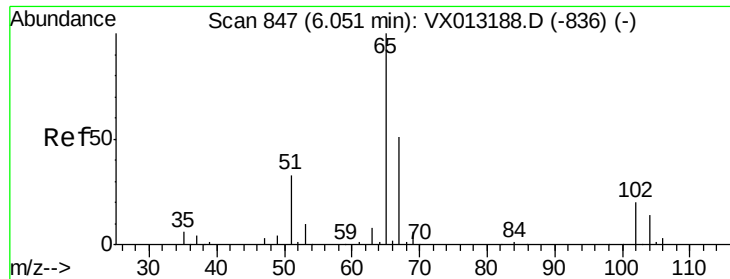
Tgt Ion: 97 Resp: 46049
Ion Ratio Lower Upper

97 100

99 63.2 50.8 76.2

61 41.9 32.8 49.2





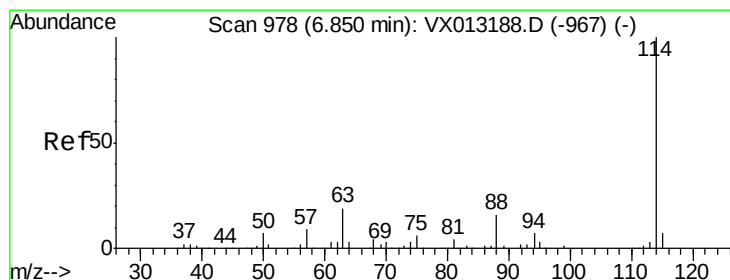
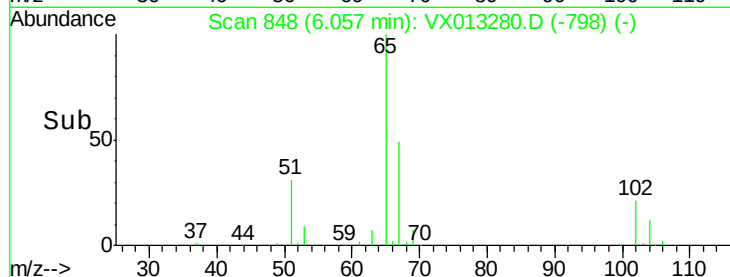
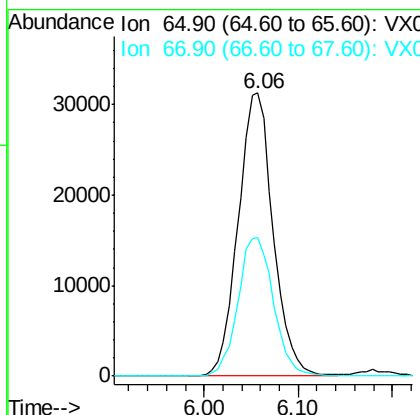
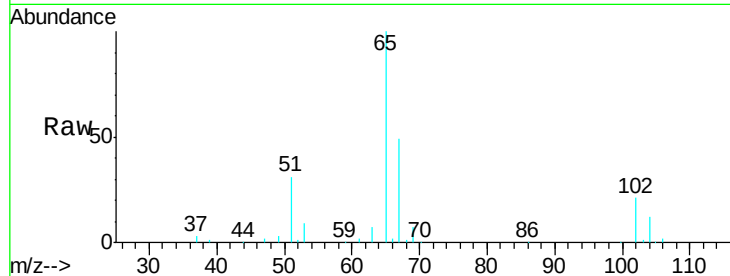
#33
 1,2-Dichloroethane-d4
 Concen: 53.696 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion: 65 Resp: 81151
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.6

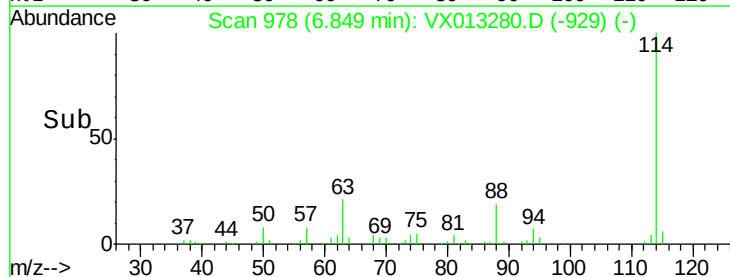
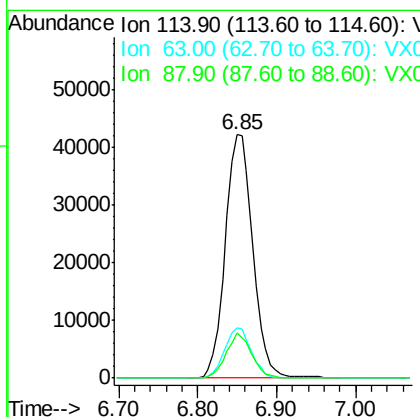
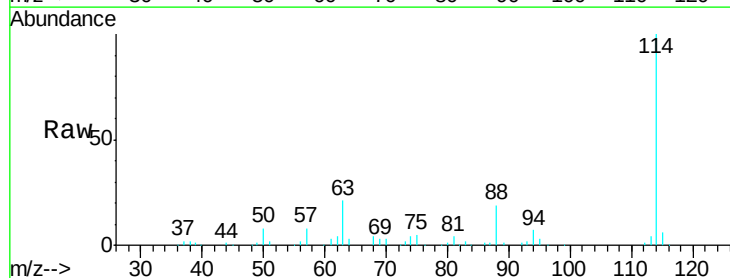
Manual Integrations
 APPROVED

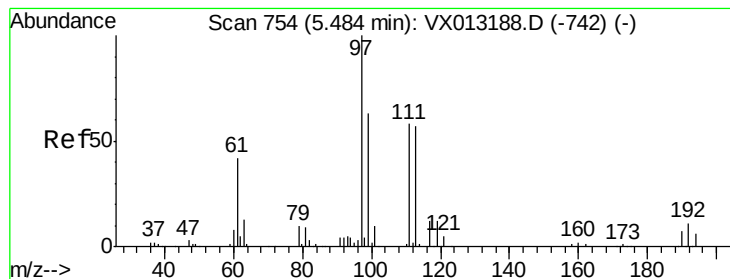
MMDadoda
 10/31/2019 4:05:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 114 Resp: 102467
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 18.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.032 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

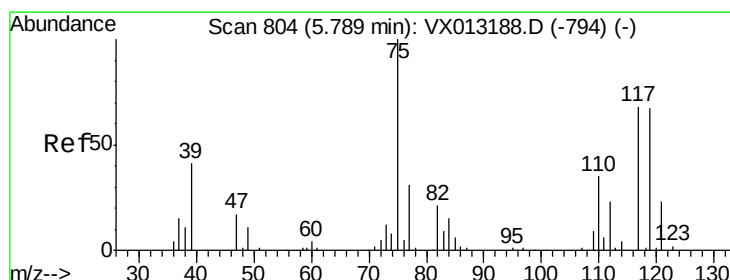
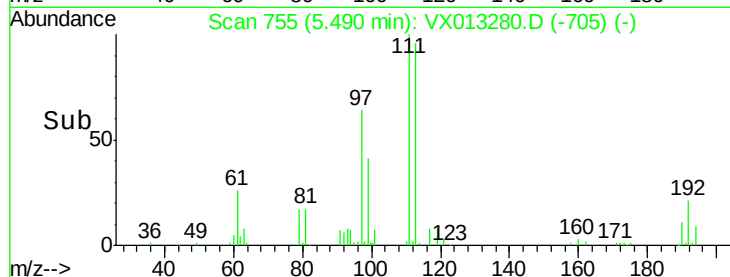
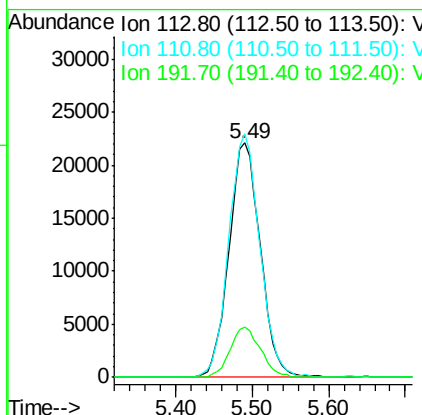
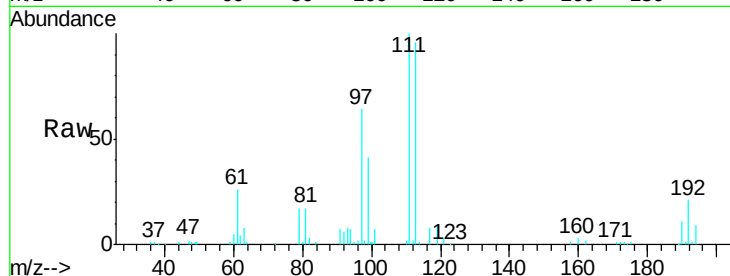
ClientSampleId :

VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	62882		
111	102.7	80.3	120.5	
192	21.0	15.9	23.9	

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#36

1,1-Dichloropropene

Concen: 20.311 ug/l

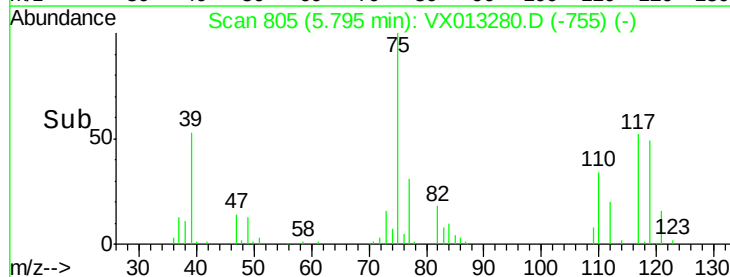
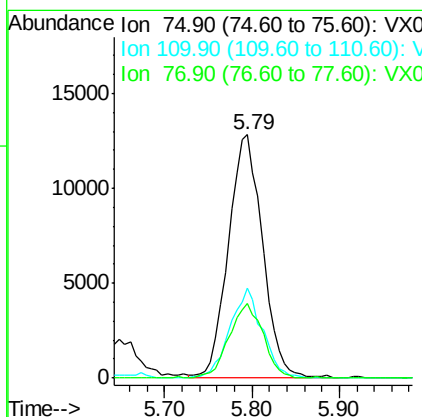
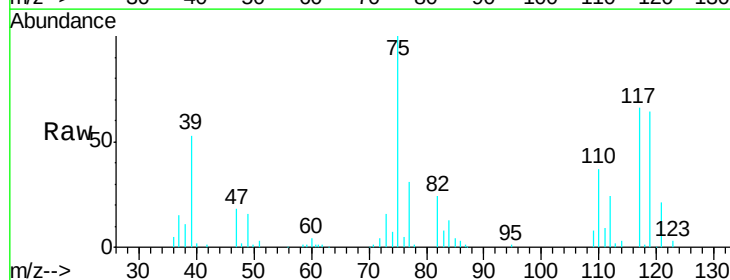
RT: 5.79 min Scan# 805

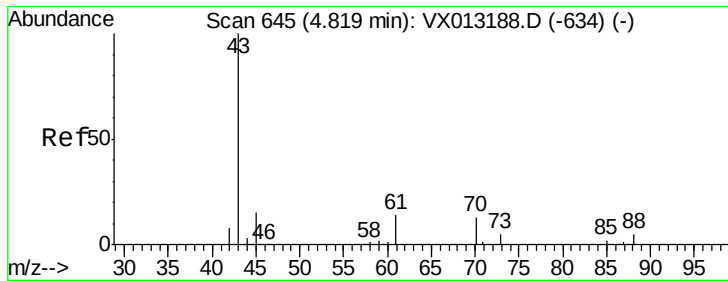
Delta R.T. 0.01 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34917		
110	35.1	17.6	52.9	
77	30.3	24.7	37.1	





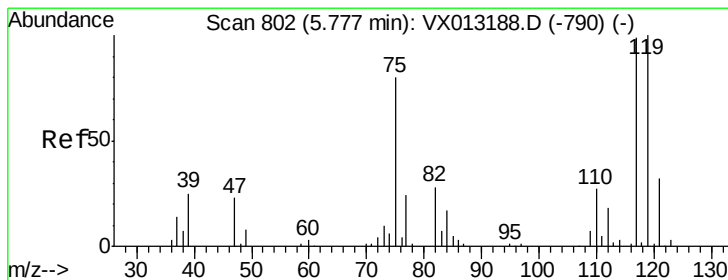
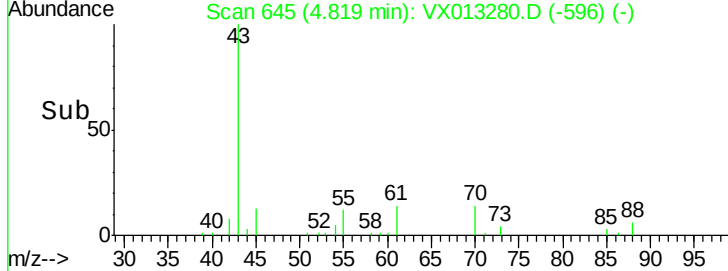
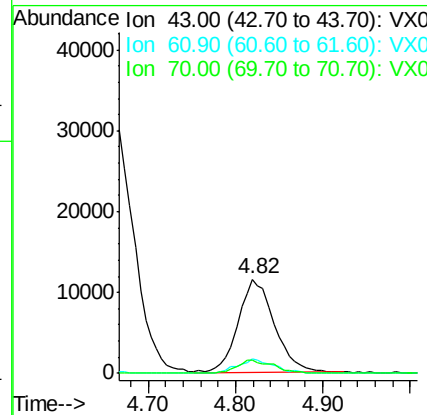
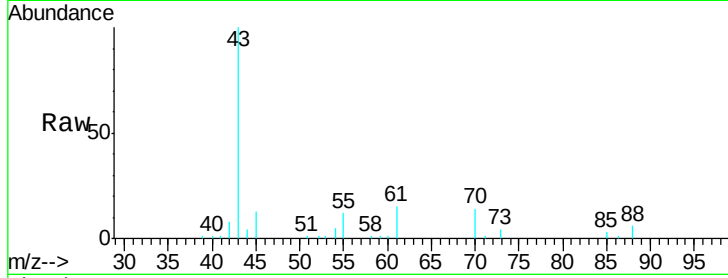
#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	14.1	10.4	15.6

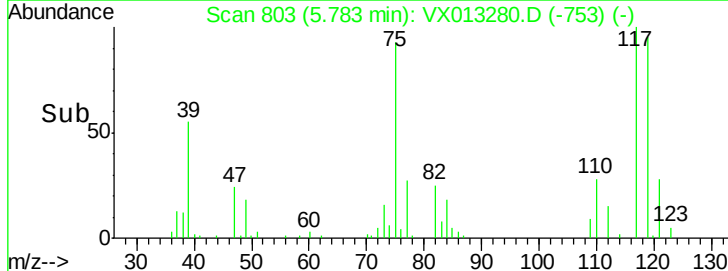
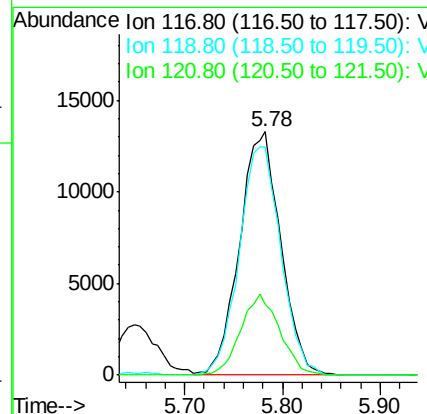
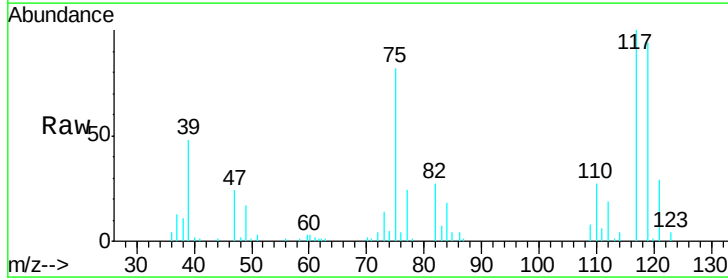
Manual Integrations
APPROVED

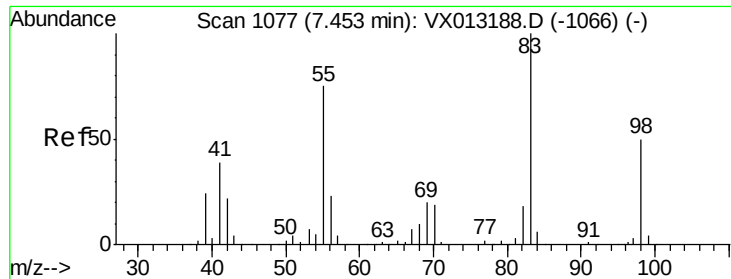
MMDadoda
10/31/2019 4:05:25 PM



#38
Carbon Tetrachloride
Concen: 20.474 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	80.1	120.1
121	29.1	25.5	38.3





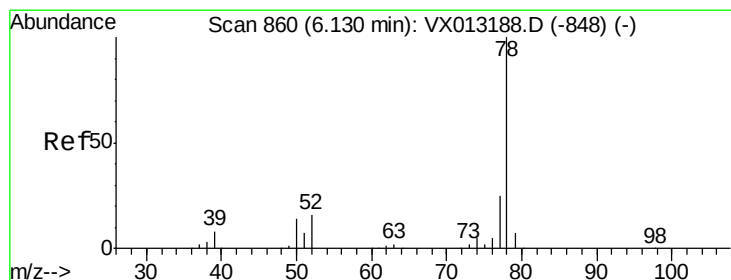
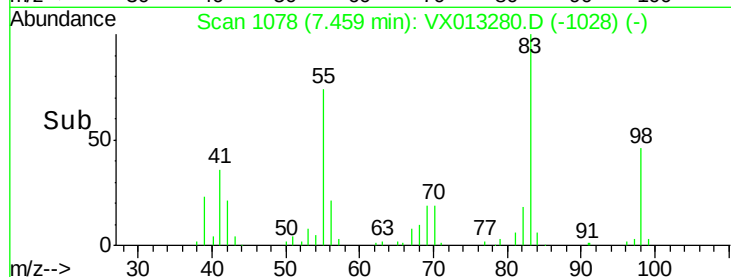
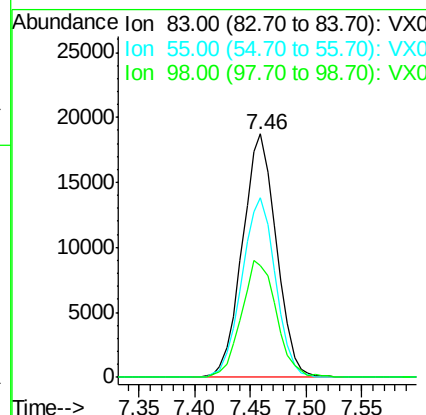
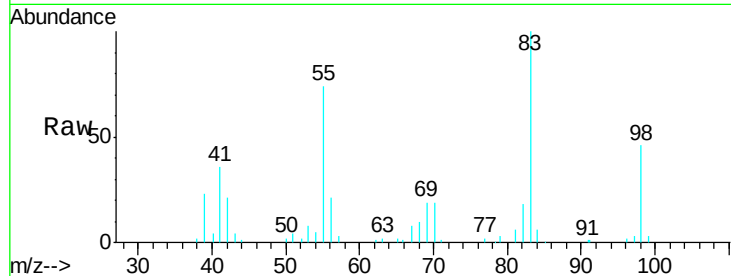
#39
Methylcyclohexane
Concen: 18.068 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	39635		
55	73.8	60.1	90.1	
98	46.0	39.8	59.8	

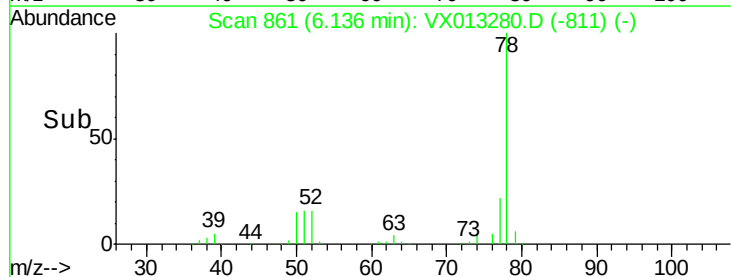
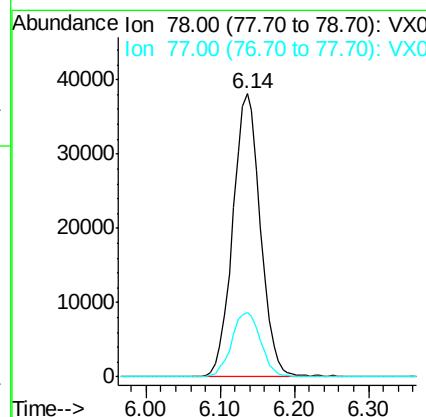
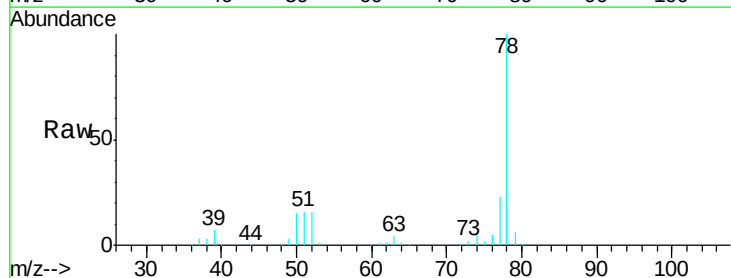
Manual Integrations
APPROVED

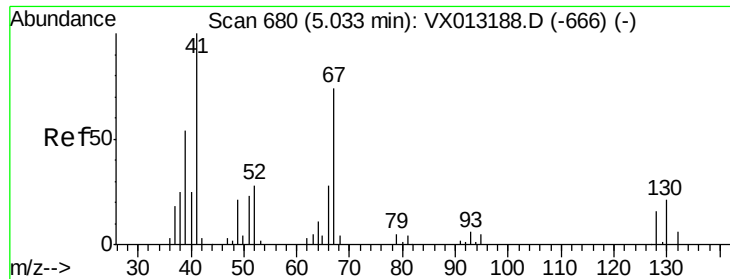
MMDadoda
10/31/2019 4:05:25 PM



#40
Benzene
Concen: 19.247 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	99058		
77	22.7	19.6	29.4	





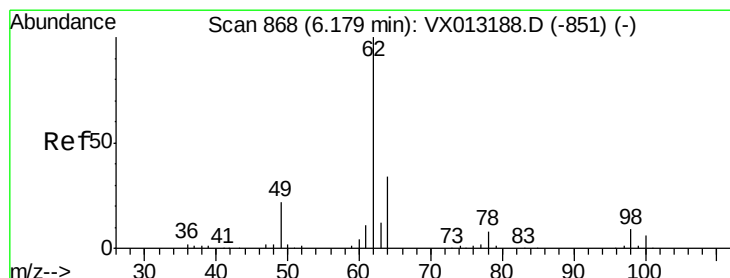
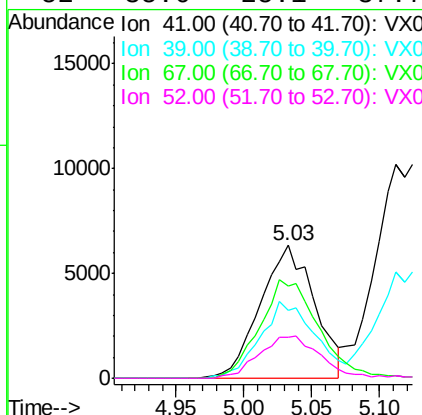
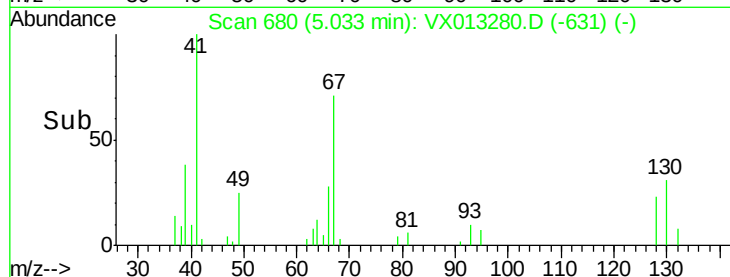
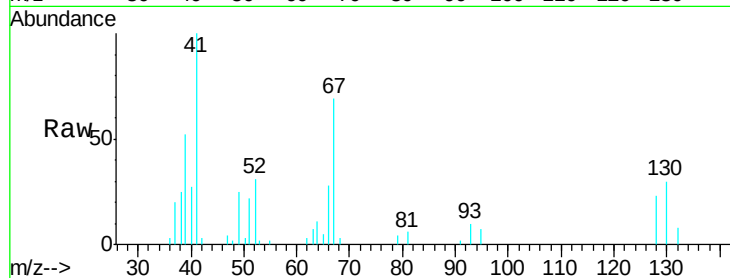
#41
Methacrylonitrile
Concen: 19.254 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.7	45.2	67.8	
67	79.9	61.3	91.9	
52	35.6	25.1	37.7	

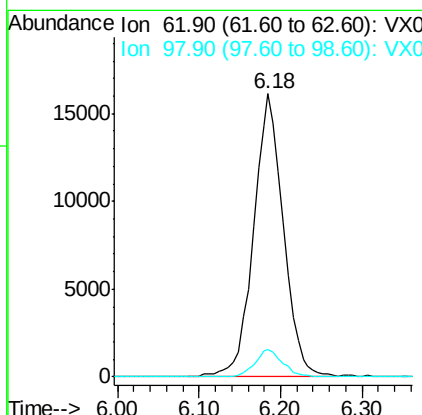
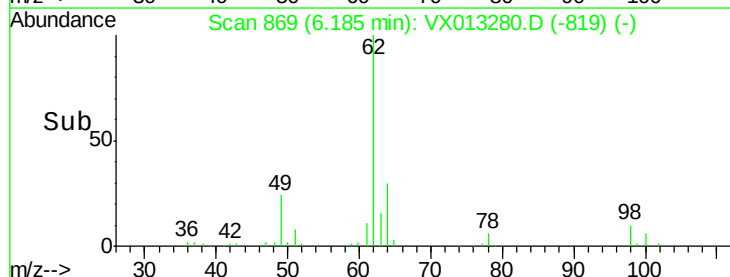
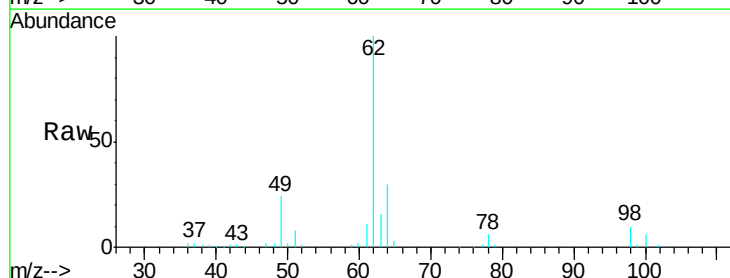
Manual Integrations
APPROVED

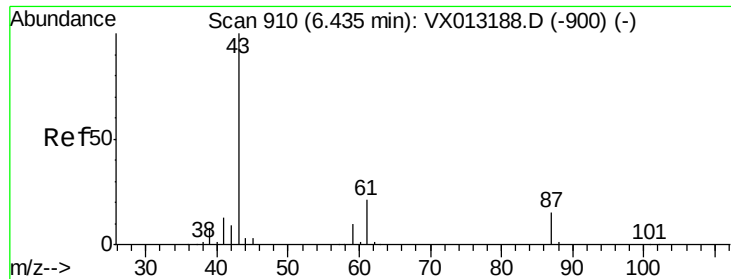
MMDadoda
10/31/2019 4:05:25 PM



#42
1,2-Dichloroethane
Concen: 21.174 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

Isopropyl Acetate

Concen: 19.423 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

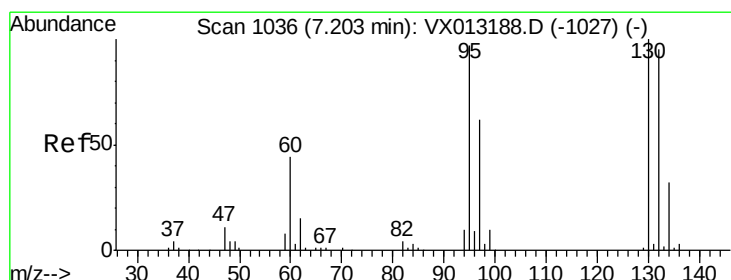
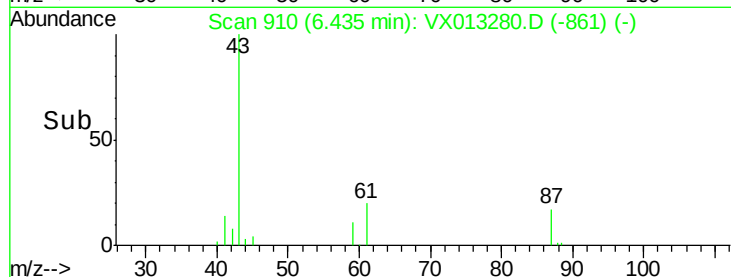
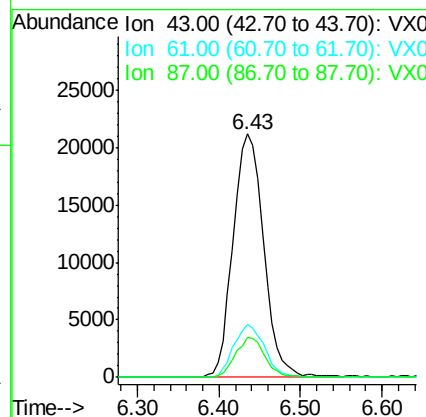
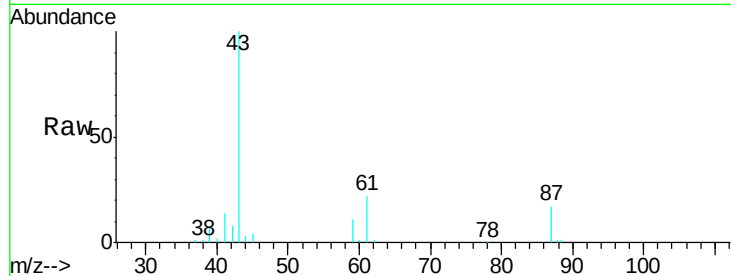
ClientSampleId :

VX1030WBS01

Tgt Ion:	43	Resp:	55065
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	15.7	12.1	18.1

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#44

Trichloroethene

Concen: 18.583 ug/l

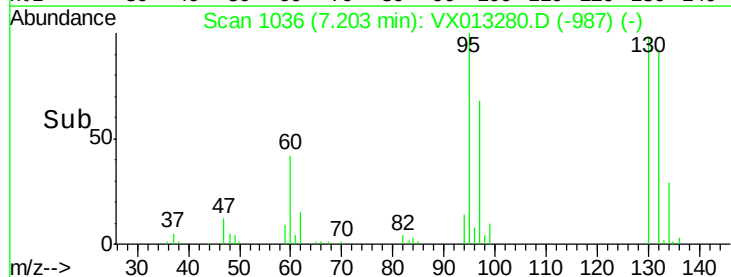
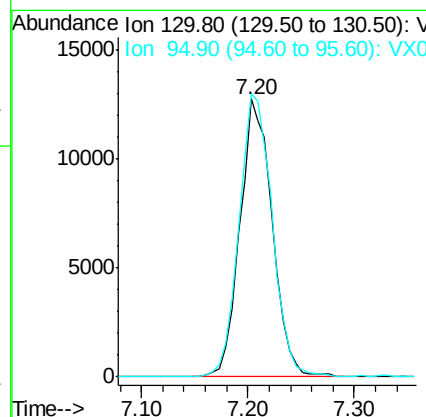
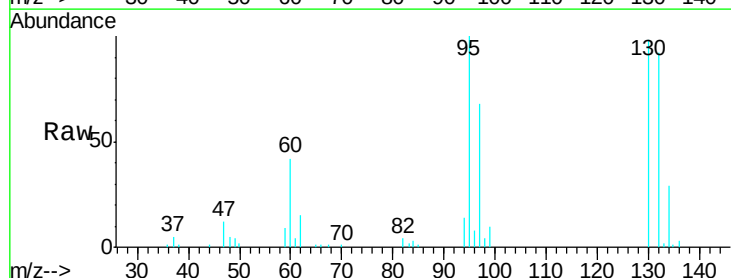
RT: 7.20 min Scan# 1036

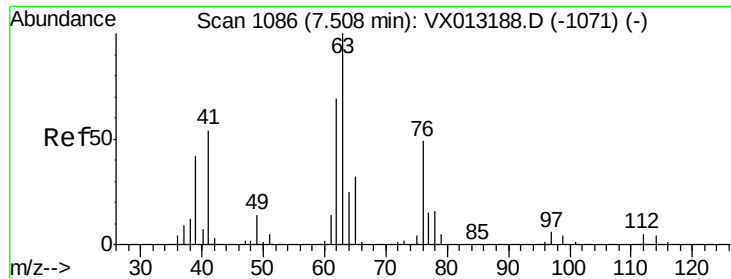
Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	130	Resp:	27145
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	193.6





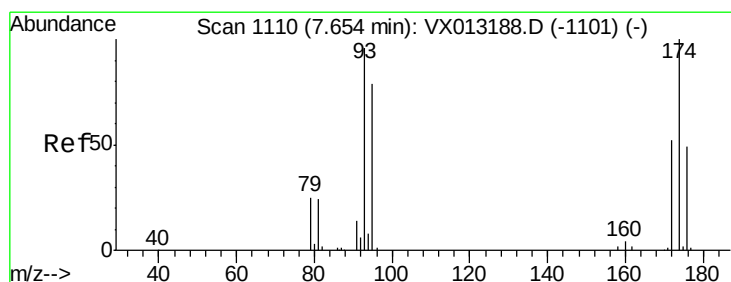
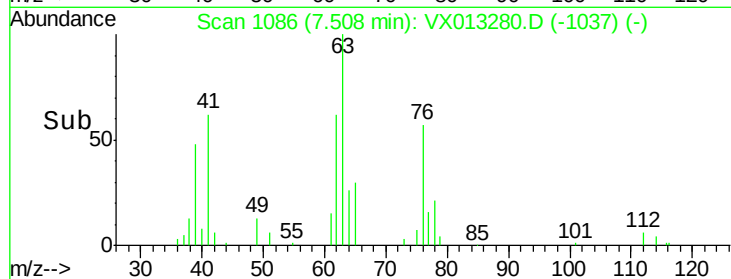
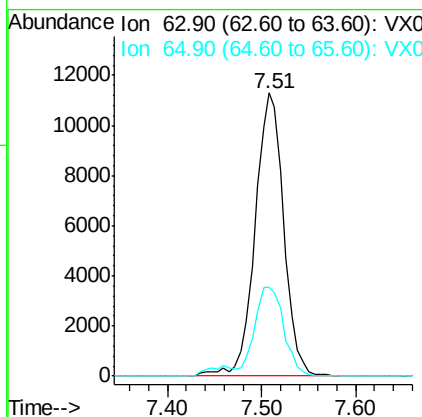
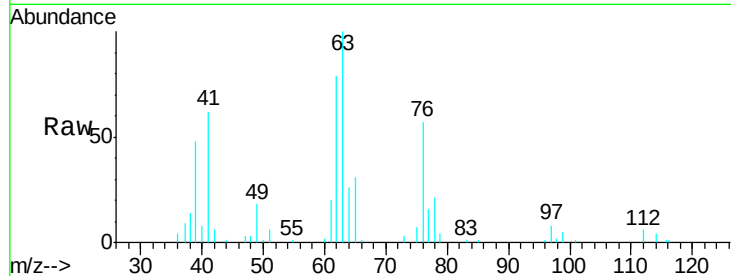
#45
 1,2-Dichloropropane
 Concen: 18.708 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion: 63 Resp: 24116
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.3 37.9

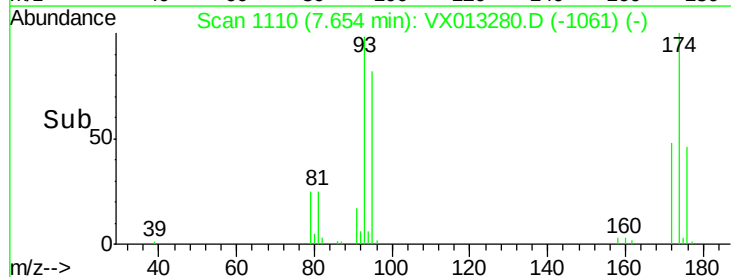
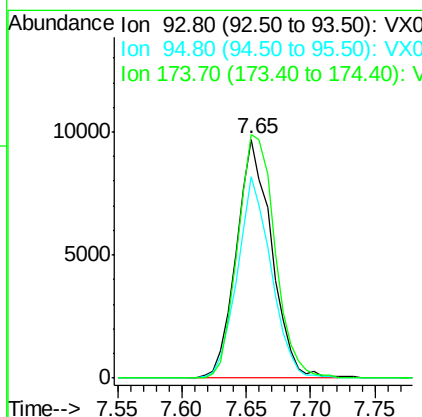
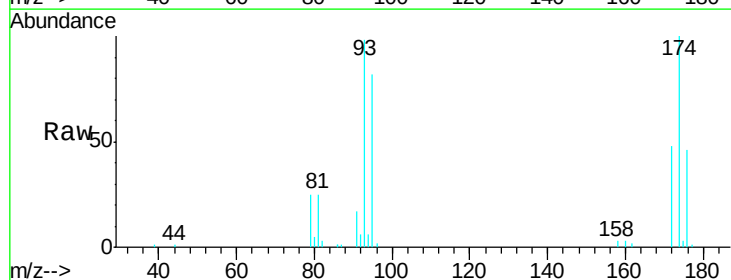
Manual Integrations
 APPROVED

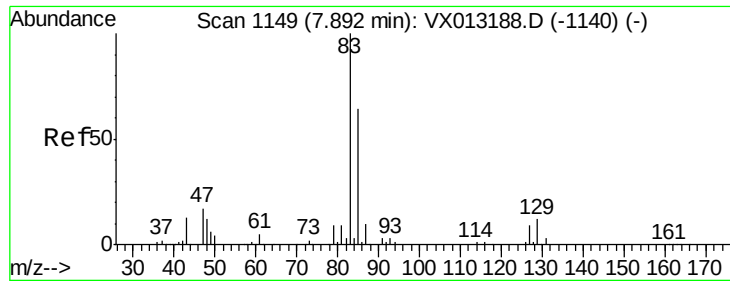
MMDadoda
 10/31/2019 4:05:25 PM



#46
 Dibromomethane
 Concen: 19.733 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 93 Resp: 18327
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.4
 174 107.9 85.2 127.8





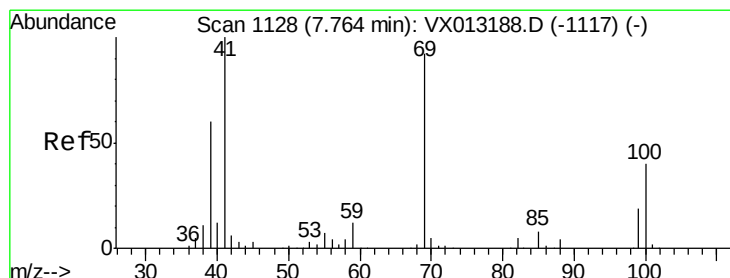
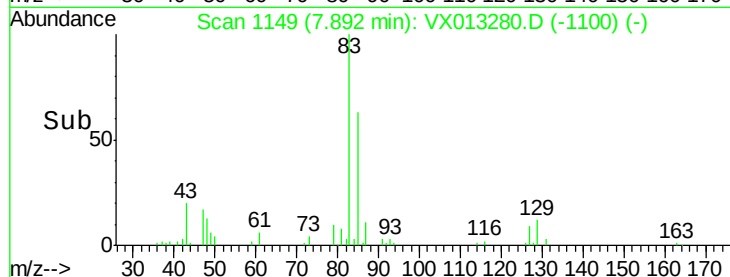
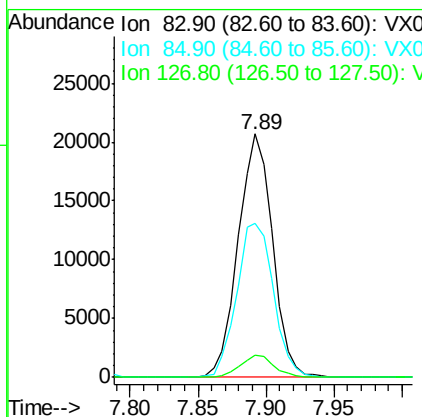
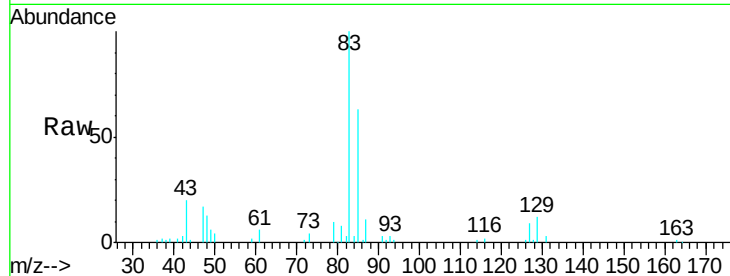
#47
Bromodichloromethane
Concen: 20.194 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	9.2	7.2	10.8

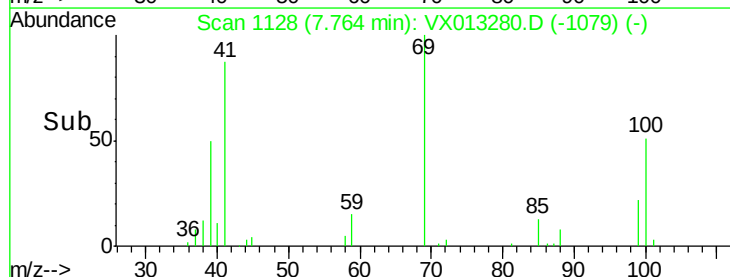
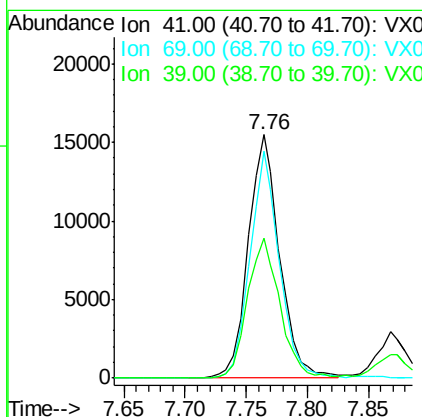
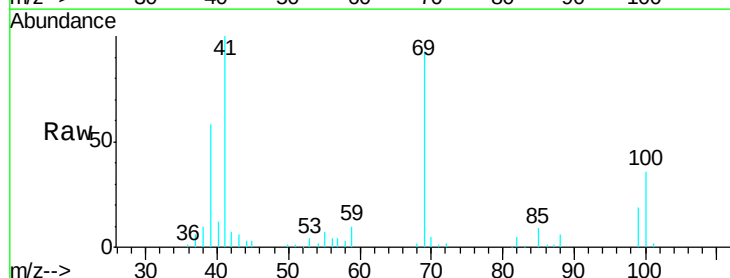
Manual Integrations
APPROVED

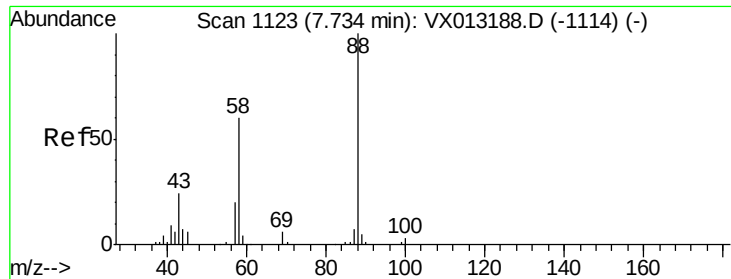
MMDadoda
10/31/2019 4:05:25 PM



#48
Methyl methacrylate
Concen: 19.738 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.1	72.0	108.0
39	59.3	47.4	71.0





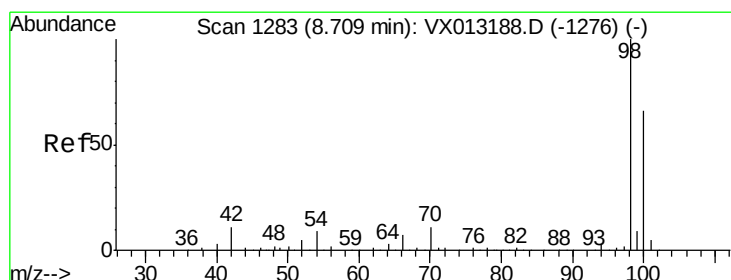
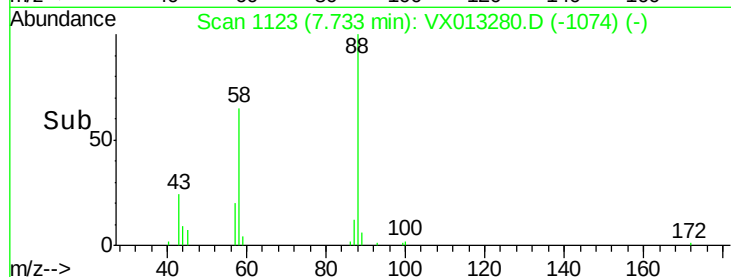
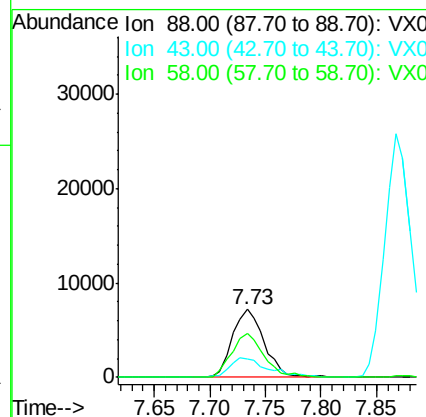
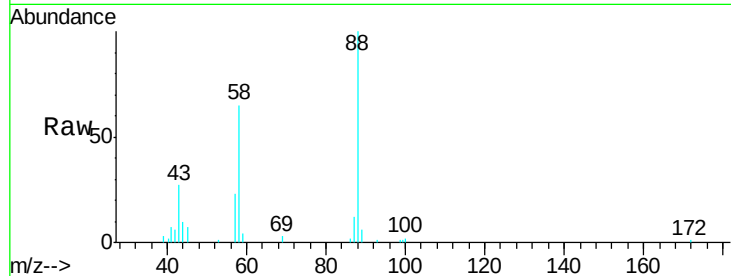
#49
1,4-Dioxane
Concen: 399.434 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.9	24.5	36.7
58	65.6	54.1	81.1

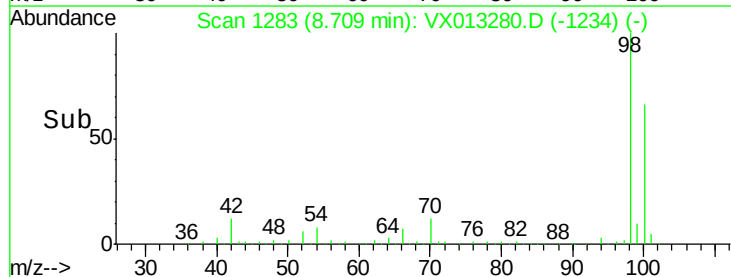
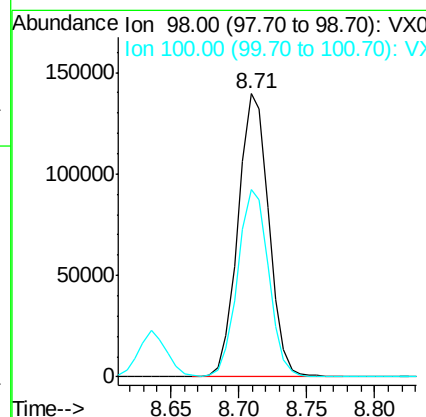
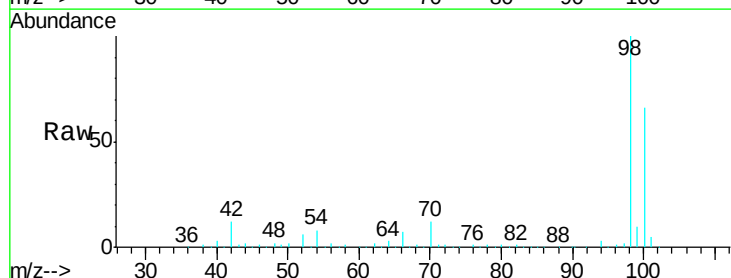
Manual Integrations
APPROVED

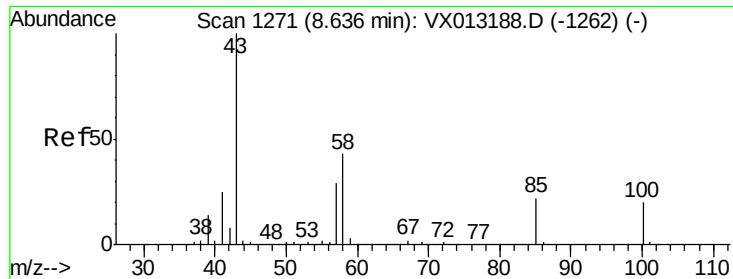
MMDadoda
10/31/2019 4:05:25 PM



#50
Toluene-d8
Concen: 51.969 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 98.374 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 43 Resp: 169994

Ion Ratio Lower Upper

43 100

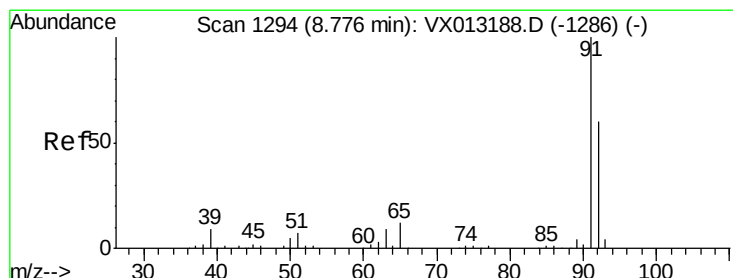
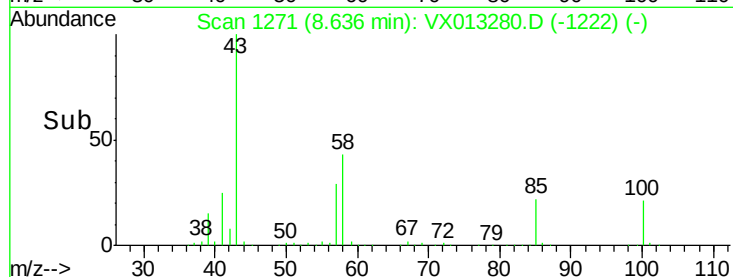
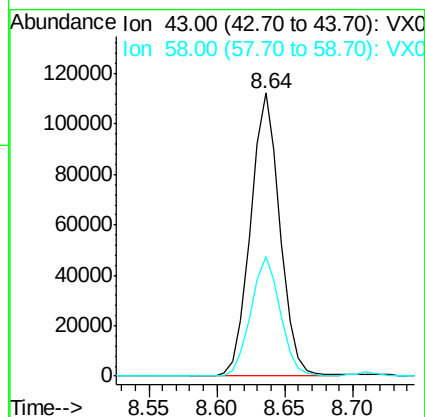
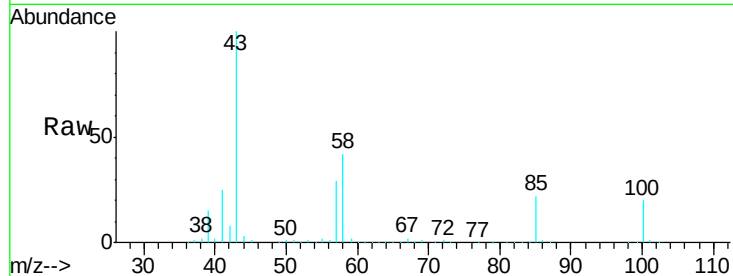
58 42.4 33.9 50.9

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#52

Toluene

Concen: 19.153 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013280.D

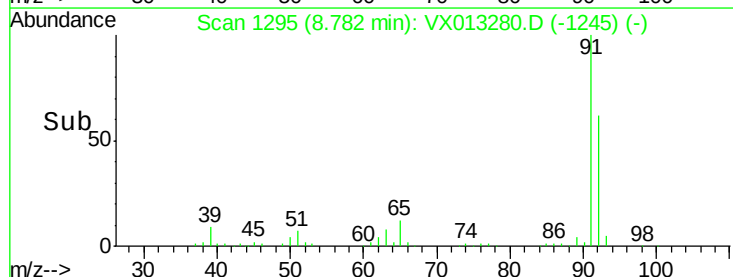
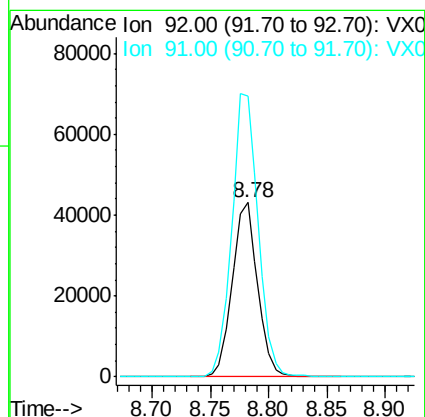
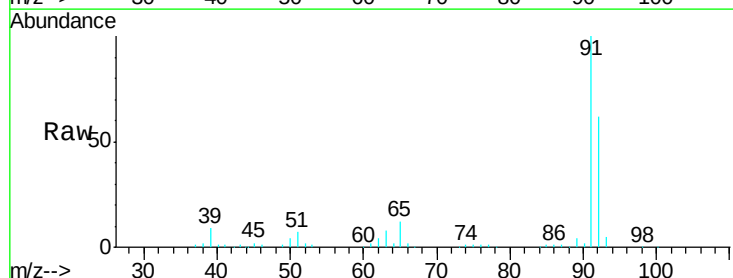
Acq: 30 Oct 2019 12:10

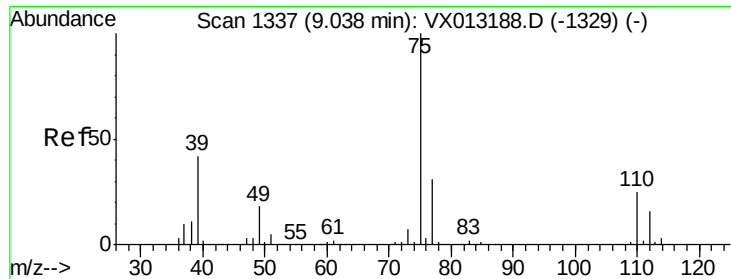
Tgt Ion: 92 Resp: 65330

Ion Ratio Lower Upper

92 100

91 168.8 133.9 200.9





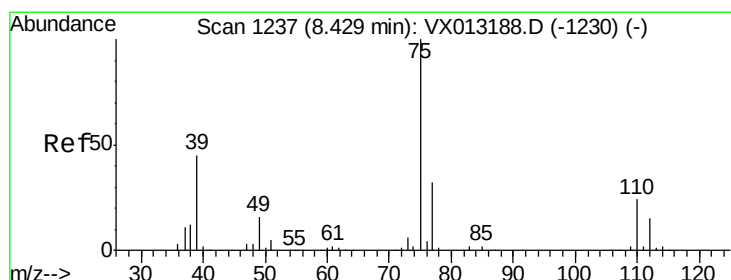
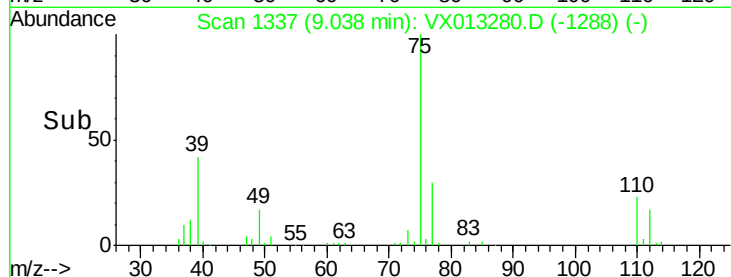
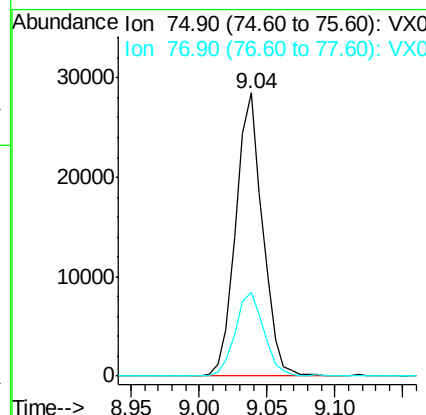
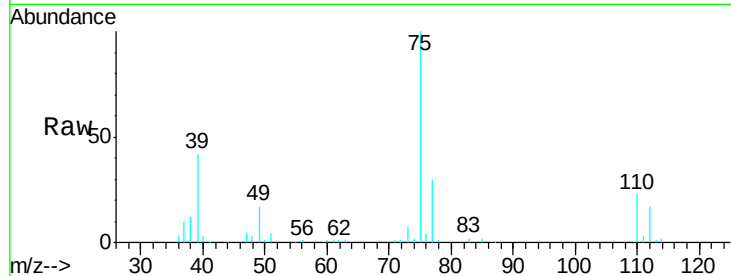
#53
 t-1,3-Dichloropropene
 Concen: 20.430 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion: 75 Resp: 39294
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.7 37.1

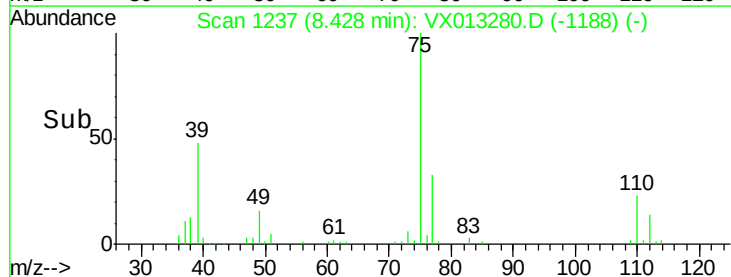
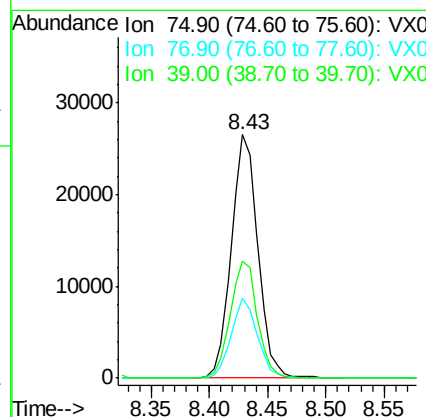
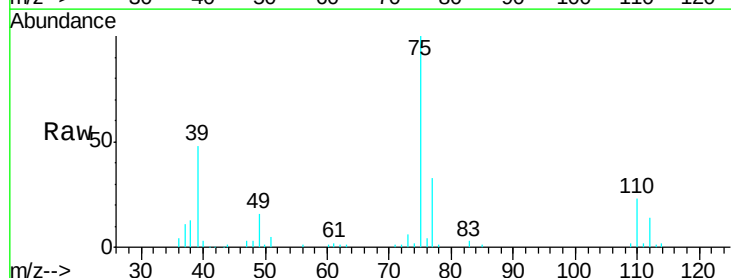
Manual Integrations
 APPROVED

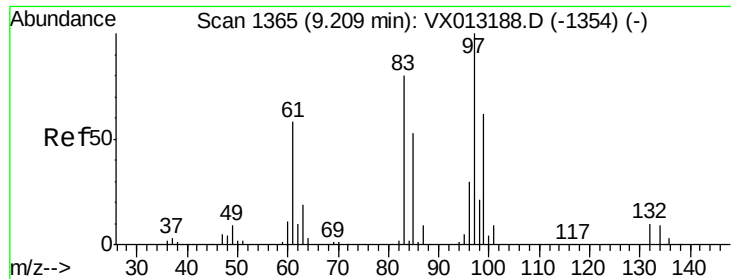
MMDadoda
 10/31/2019 4:05:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.002 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 75 Resp: 42086
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0
 39 48.2 36.2 54.4





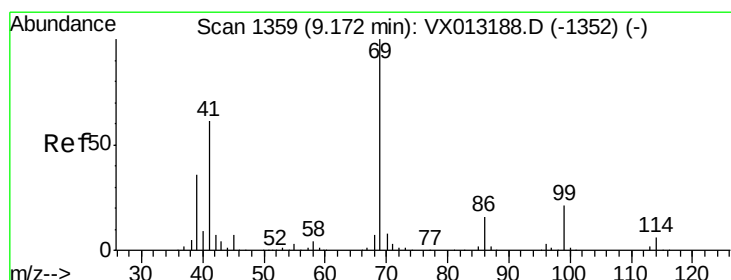
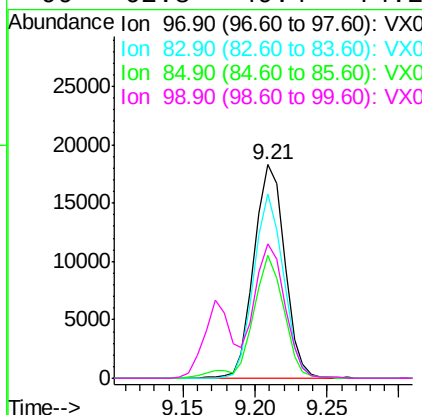
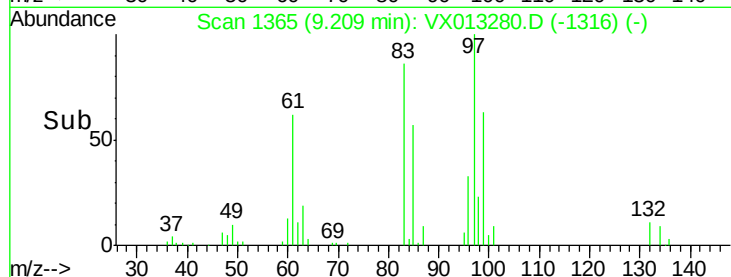
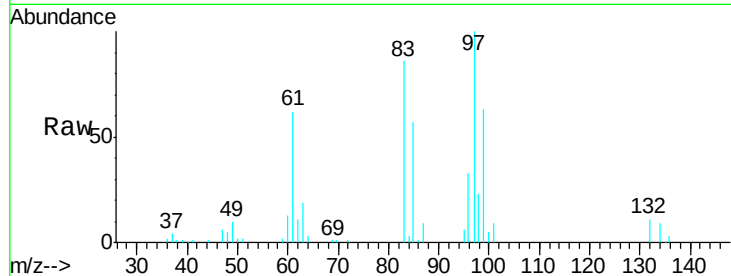
#55
 1,1,2-Trichloroethane
 Concen: 20.008 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	26981		
83	86.0	64.1	96.1	
85	57.3	42.1	63.1	
99	62.8	49.4	74.2	

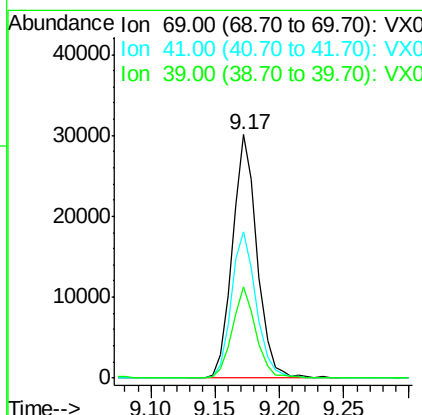
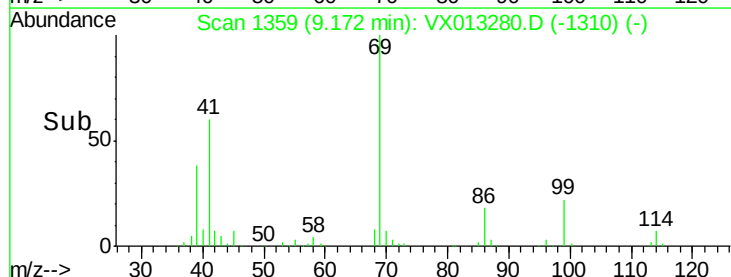
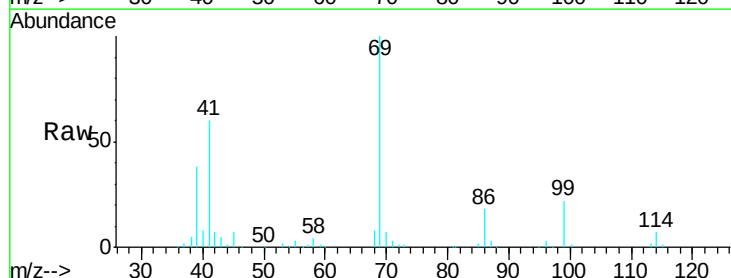
Manual Integrations
 APPROVED

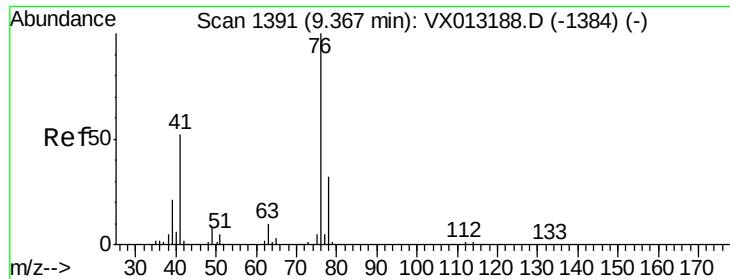
MMDadoda
 10/31/2019 4:05:25 PM



#56
 Ethyl methacrylate
 Concen: 19.830 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	40248		
41	60.6	49.5	74.3	
39	36.6	28.3	42.5	





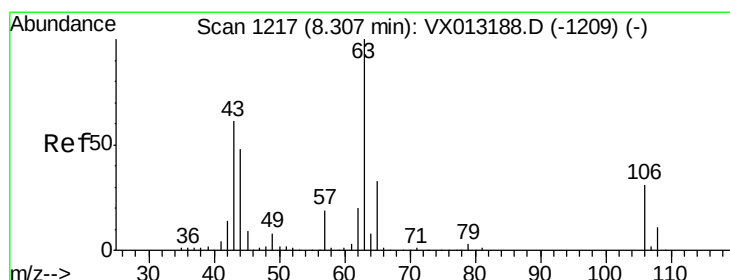
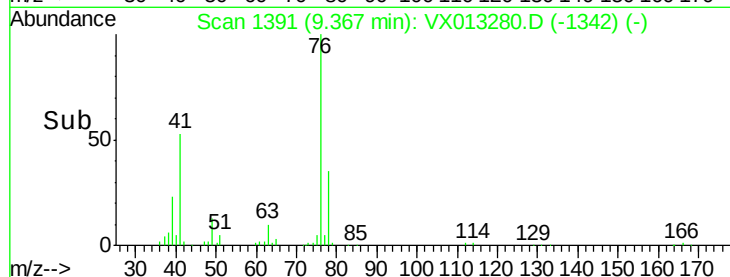
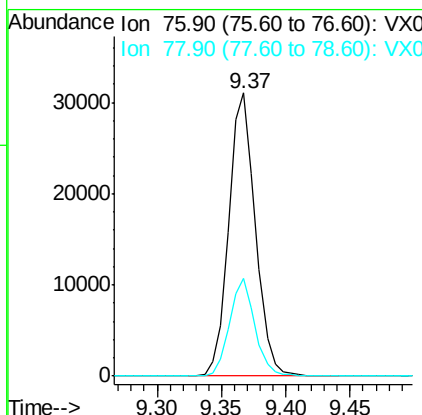
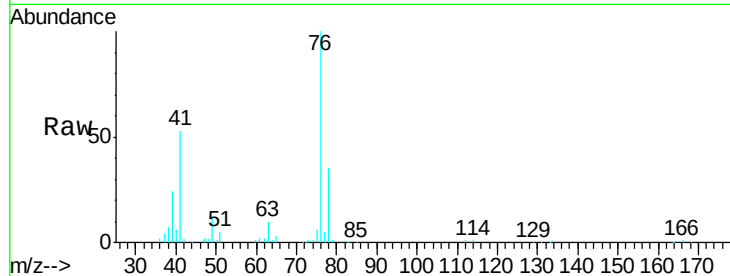
#57
 1,3-Dichloropropane
 Concen: 19.733 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion: 76 Resp: 44899
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

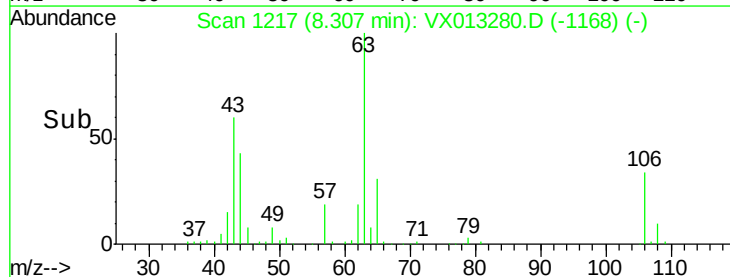
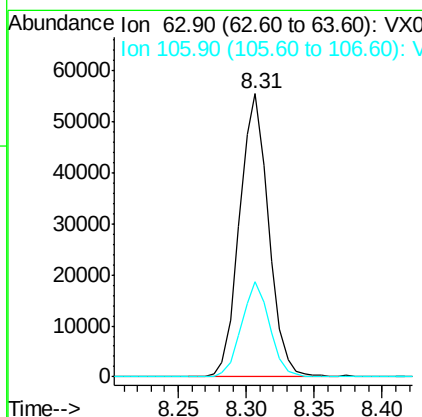
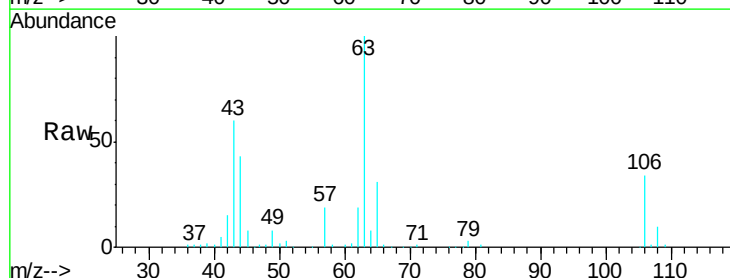
Manual Integrations
 APPROVED

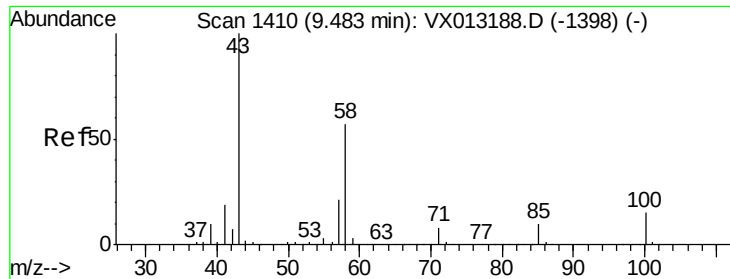
MMDadoda
 10/31/2019 4:05:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.977 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion: 63 Resp: 83137
 Ion Ratio Lower Upper
 63 100
 106 32.8 25.4 38.0





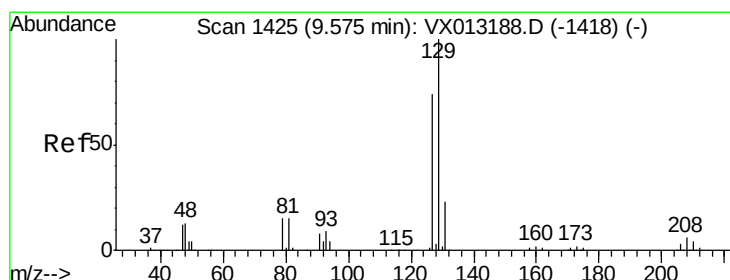
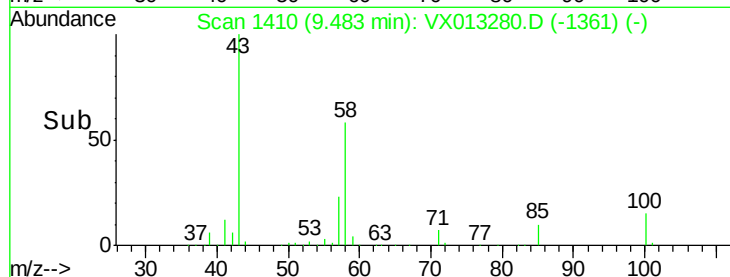
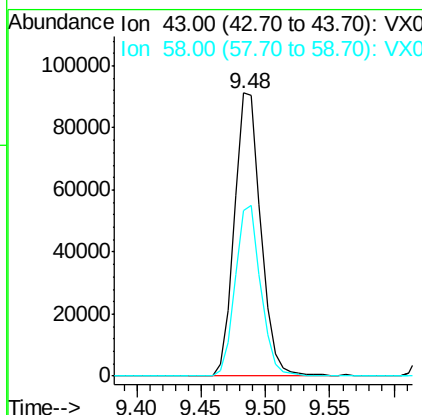
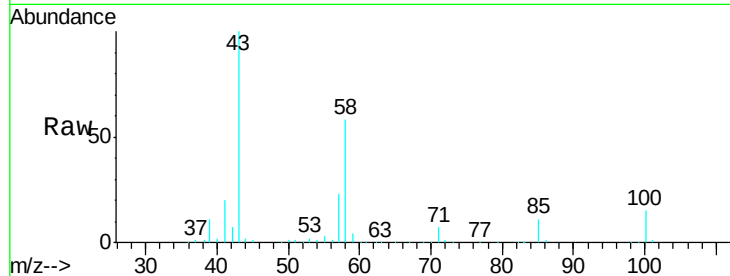
#59
2-Hexanone
Concen: 98.195 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 43 Resp: 130707
Ion Ratio Lower Upper
43 100
58 58.4 28.2 84.7

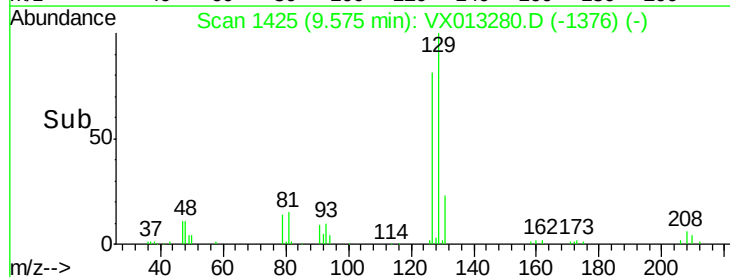
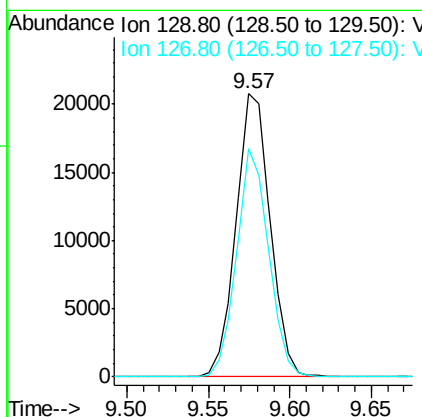
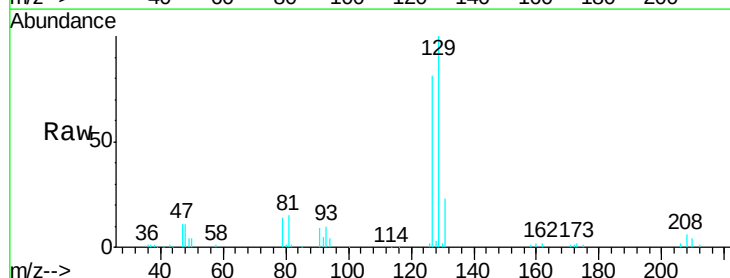
Manual Integrations
APPROVED

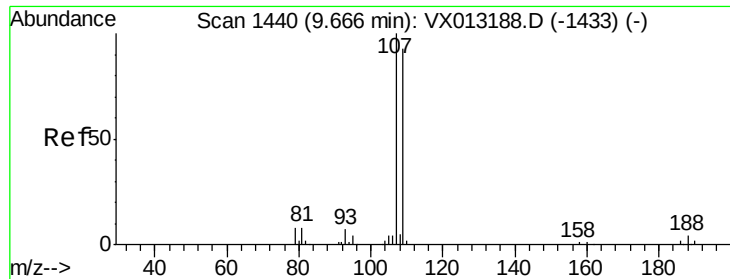
MMDadoda
10/31/2019 4:05:25 PM



#60
Dibromochloromethane
Concen: 21.442 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 129 Resp: 30299
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.500 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 107 Resp: 29348

Ion Ratio Lower Upper

107 100

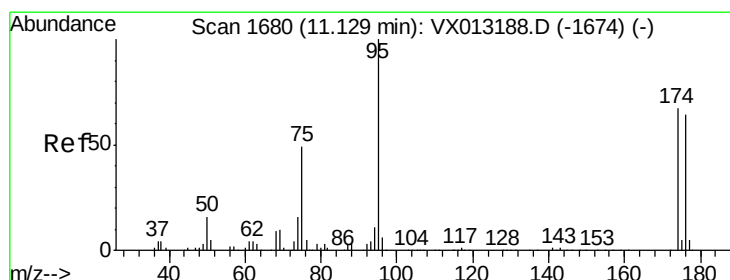
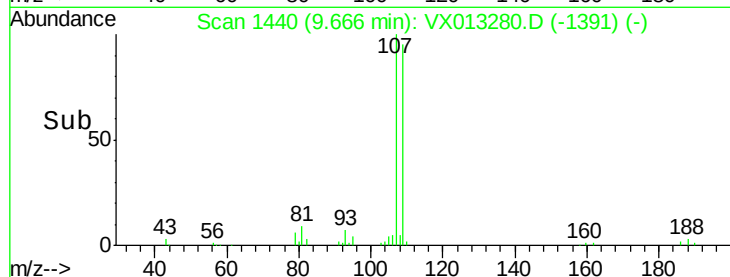
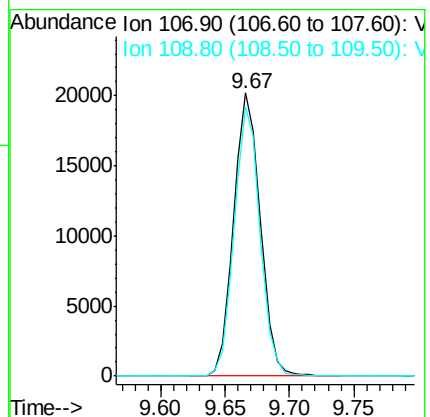
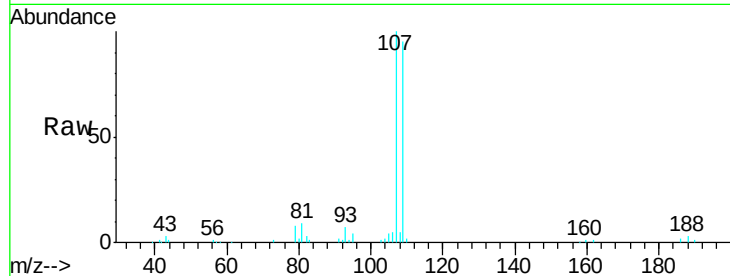
109 91.9 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#62

4-Bromofluorobenzene

Concen: 51.784 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

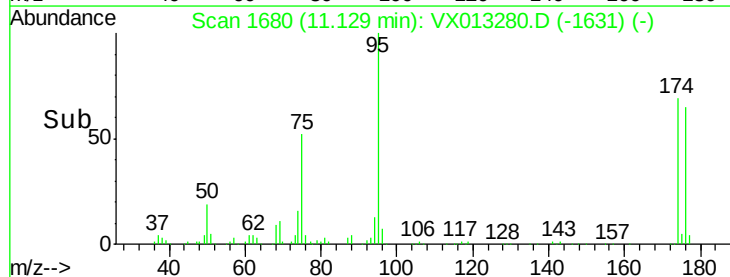
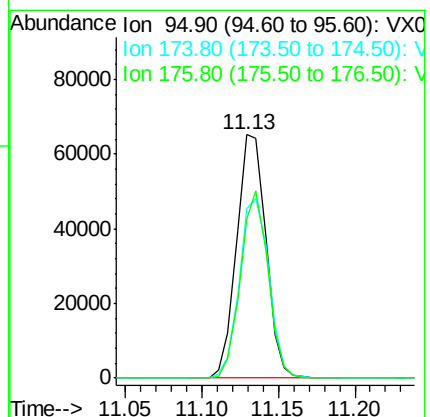
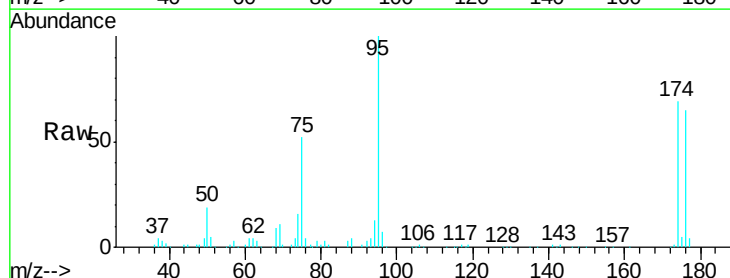
Tgt Ion: 95 Resp: 86792

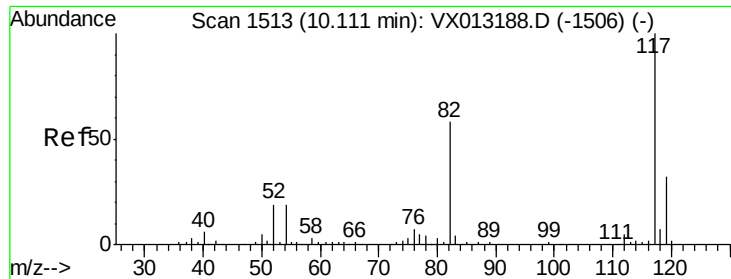
Ion Ratio Lower Upper

95 100

174 74.4 0.0 152.4

176 71.8 0.0 146.0





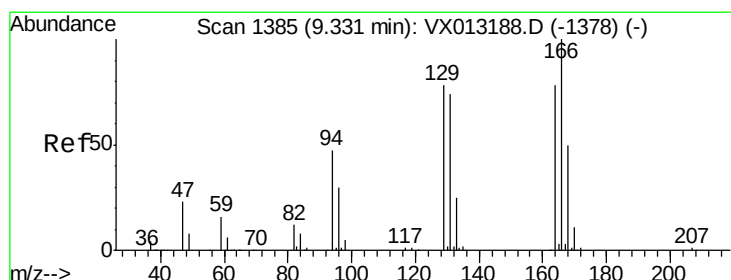
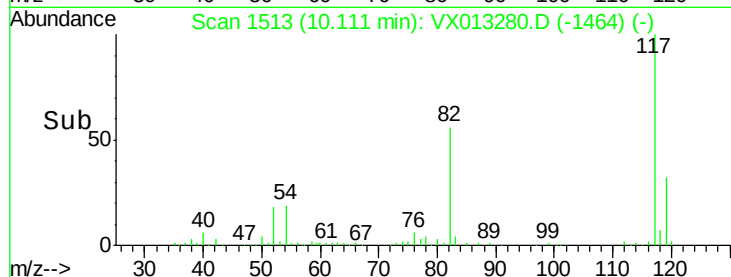
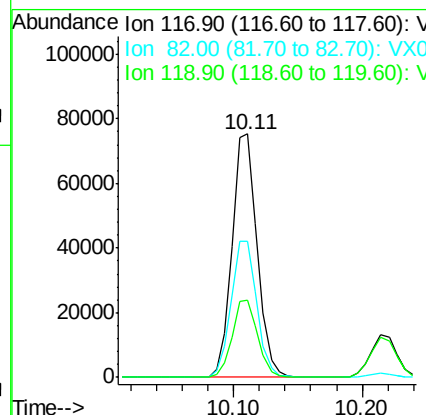
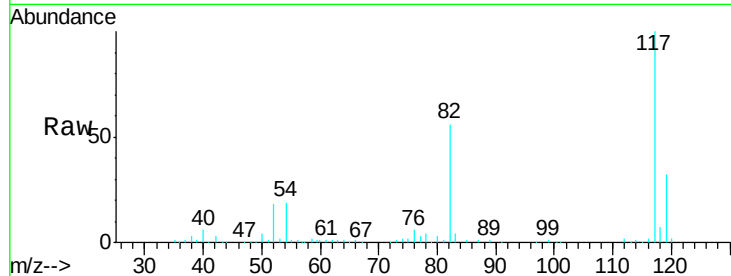
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	103418		
82	56.0	46.5	69.7	
119	31.7	25.2	37.8	

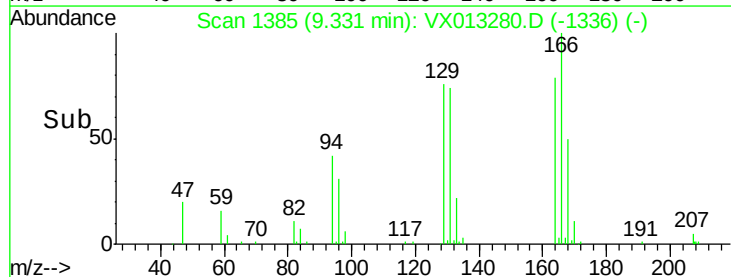
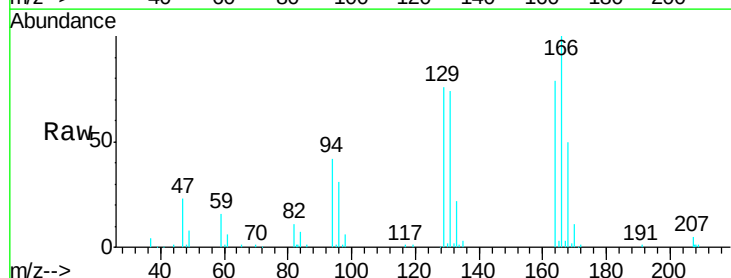
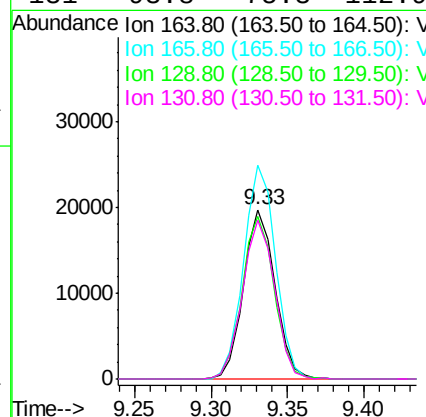
Manual Integrations
APPROVED

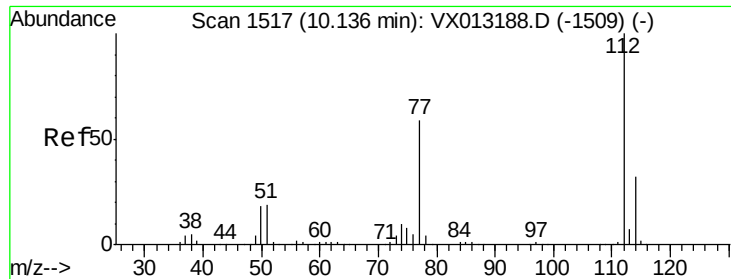
MMDadoda
10/31/2019 4:05:25 PM



#64
Tetrachloroethene
Concen: 21.018 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28245		
166	126.0	102.2	153.4	
129	95.5	79.8	119.8	
131	93.8	75.3	112.9	





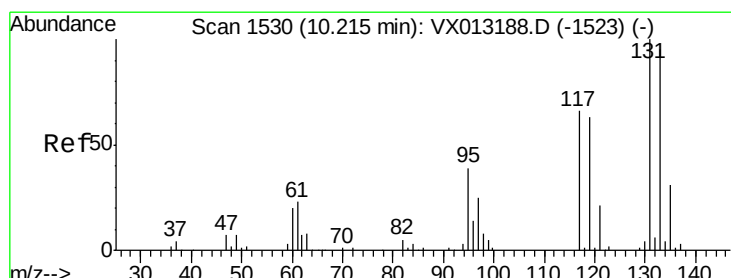
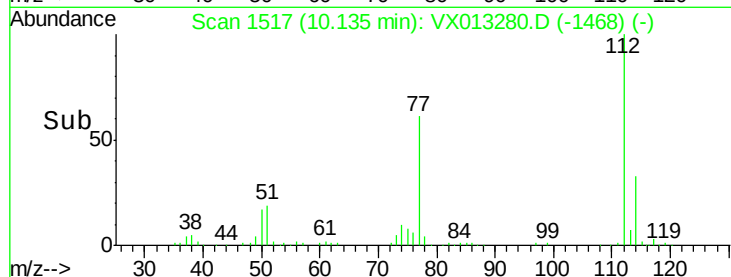
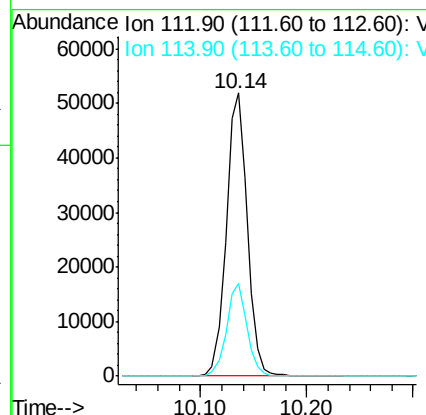
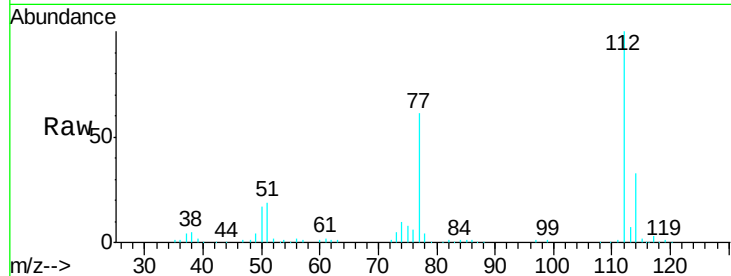
#65
Chlorobenzene
Concen: 19.607 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:112 Resp: 70980
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8

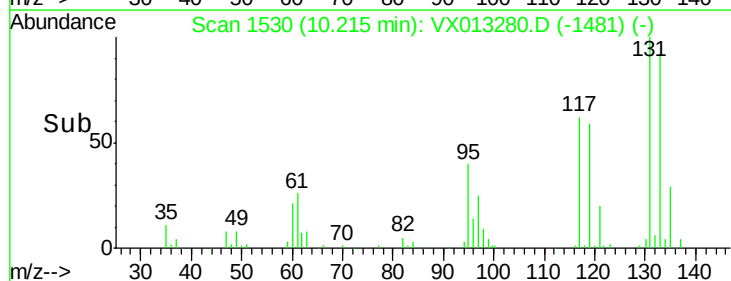
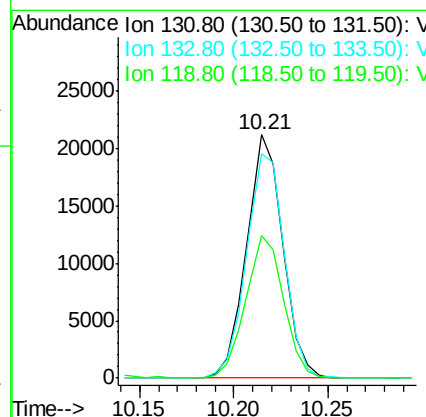
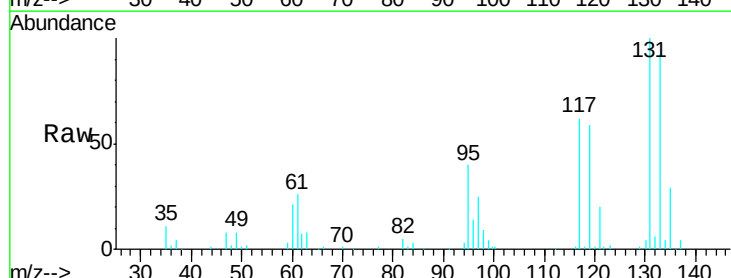
Manual Integrations
APPROVED

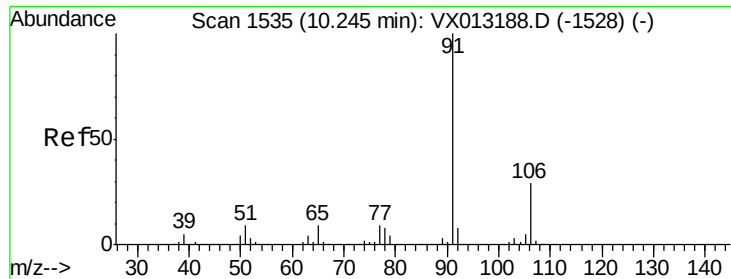
MMDadoda
10/31/2019 4:05:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.166 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion:131 Resp: 28307
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.2
119 61.0 32.4 97.0





#67

Ethyl Benzene

Concen: 19.690 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 91 Resp: 127613

Ion Ratio Lower Upper

91 100

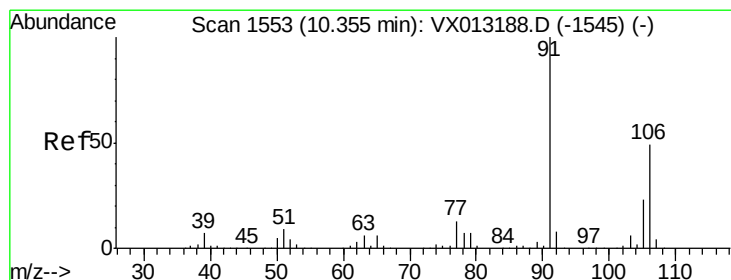
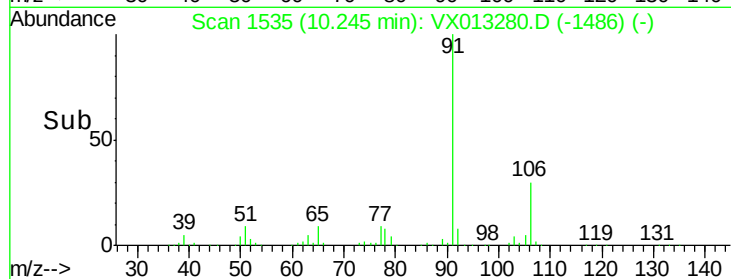
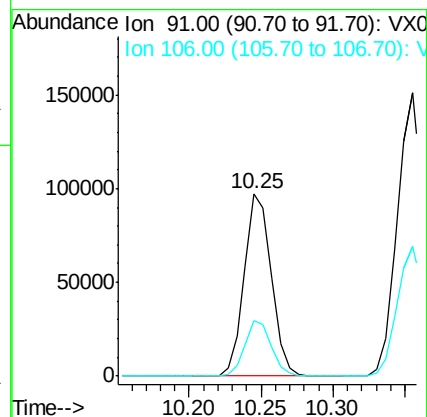
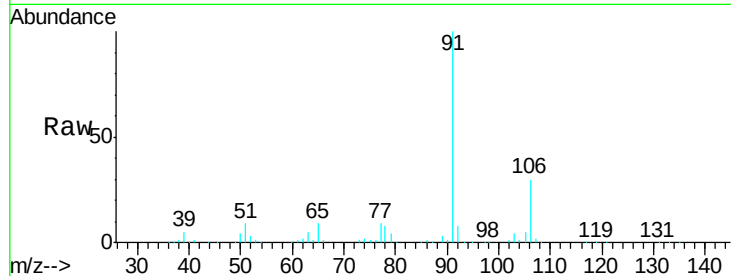
106 30.1 23.5 35.3

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#68

m/p-Xylenes

Concen: 38.402 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013280.D

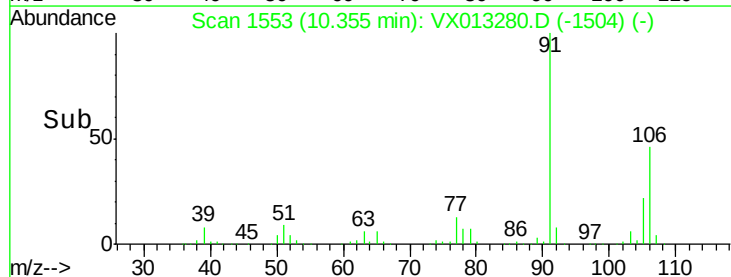
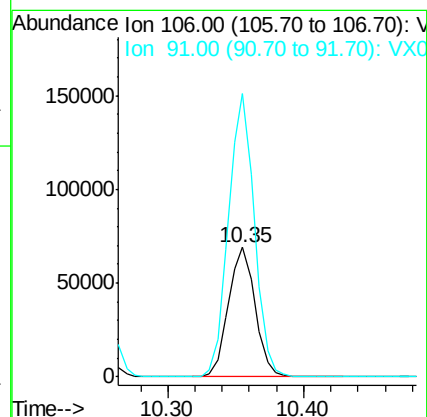
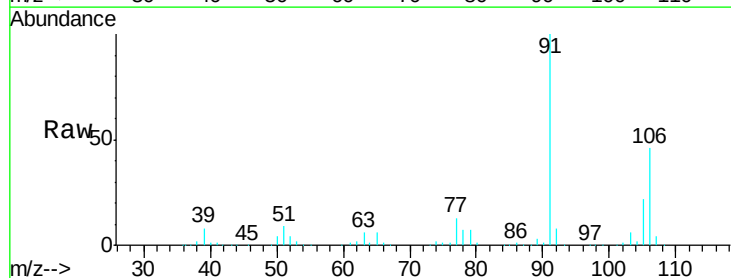
Acq: 30 Oct 2019 12:10

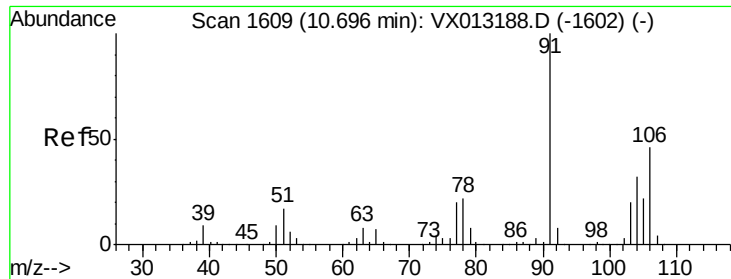
Tgt Ion: 106 Resp: 94057

Ion Ratio Lower Upper

106 100

91 211.4 166.8 250.2





#69

o-Xylene

Concen: 19.688 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:106 Resp: 46257

Ion Ratio Lower Upper

106 100

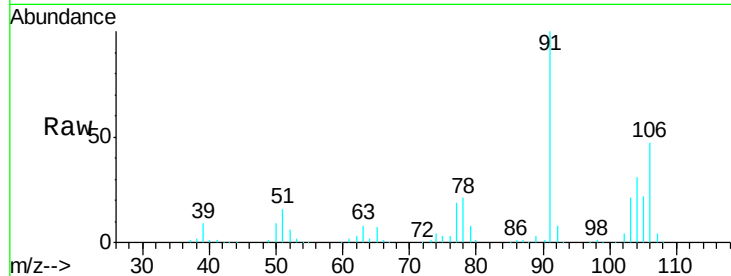
91 217.5 110.7 331.9

Manual Integrations

APPROVED

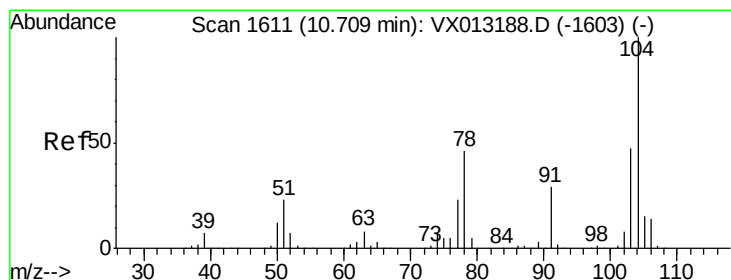
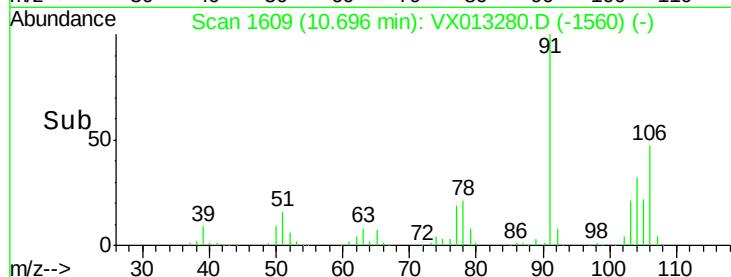
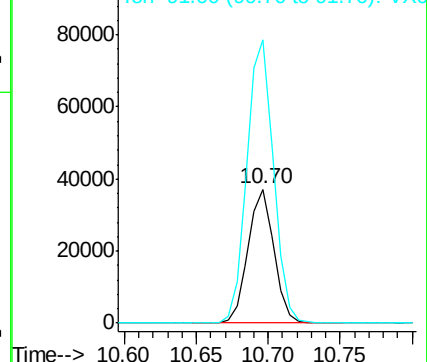
MMDadoda

10/31/2019 4:05:25 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 19.199 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

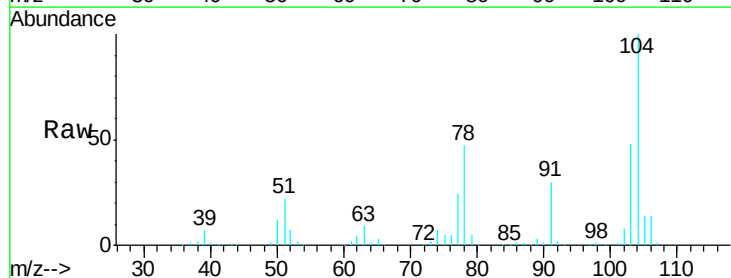
Tgt Ion:104 Resp: 77676

Ion Ratio Lower Upper

104 100

78 54.6 42.2 63.4

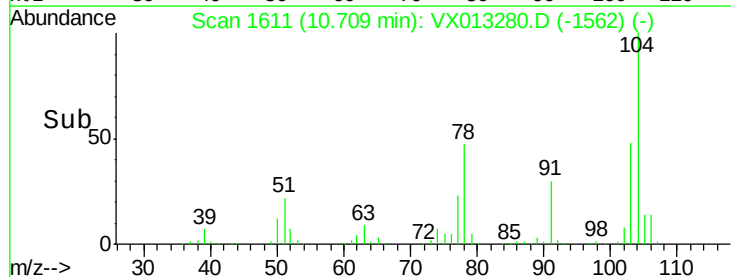
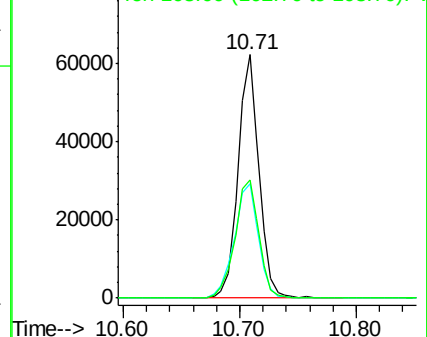
103 55.4 42.8 64.2

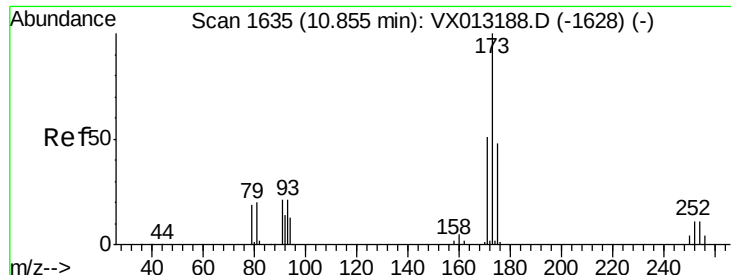


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.608 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:173 Resp: 20138

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

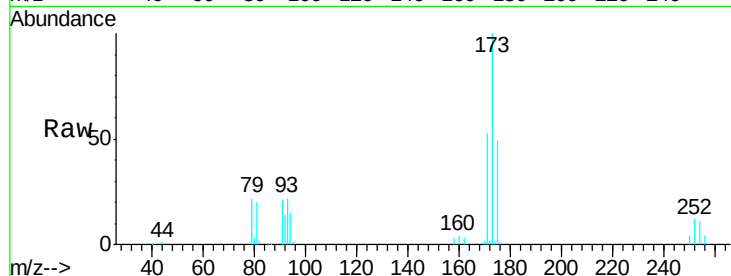
254 0.0 0.1 0.1#

Manual Integrations

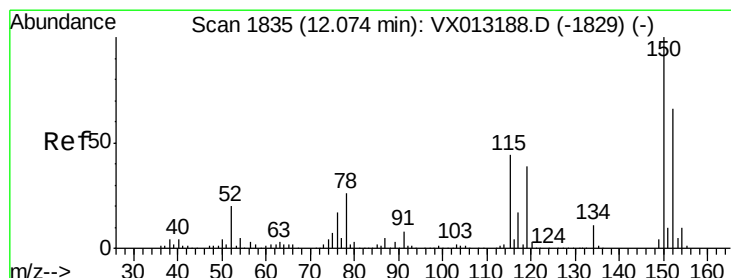
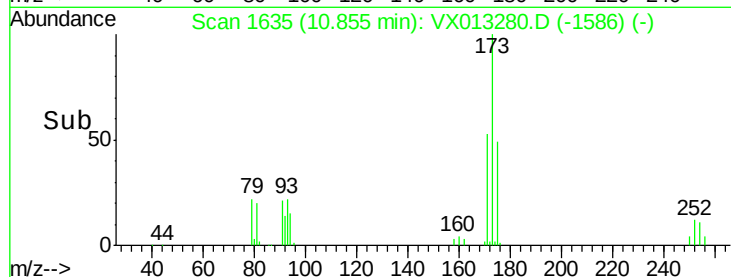
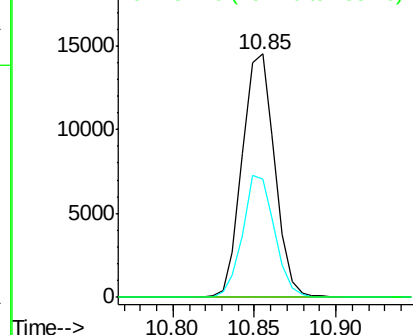
APPROVED

MMDadoda

10/31/2019 4:05:25 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: VX013280.D

Acq: 30 Oct 2019 12:10

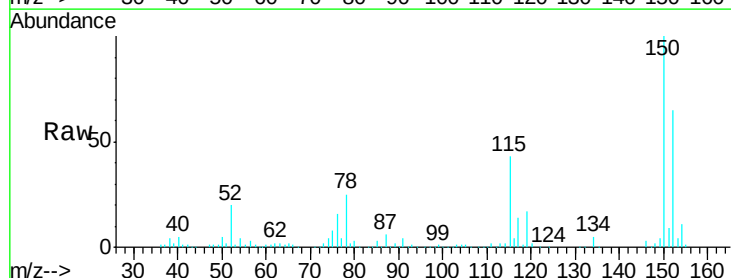
Tgt Ion:152 Resp: 70224

Ion Ratio Lower Upper

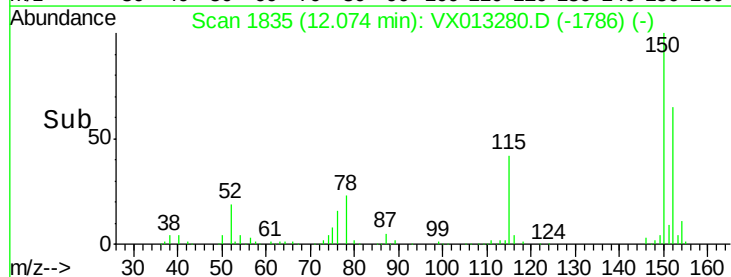
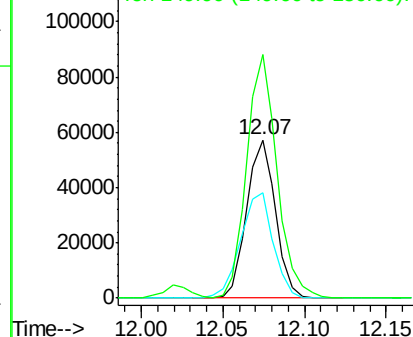
152 100

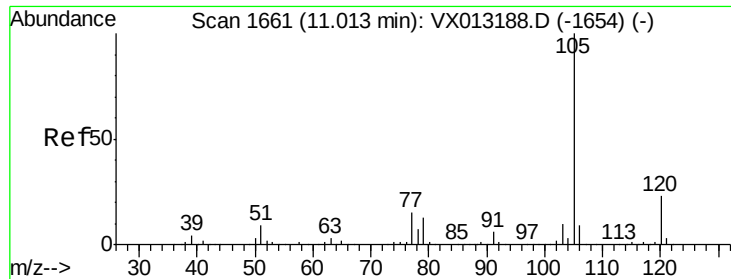
115 75.5 46.6 139.8

150 162.9 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





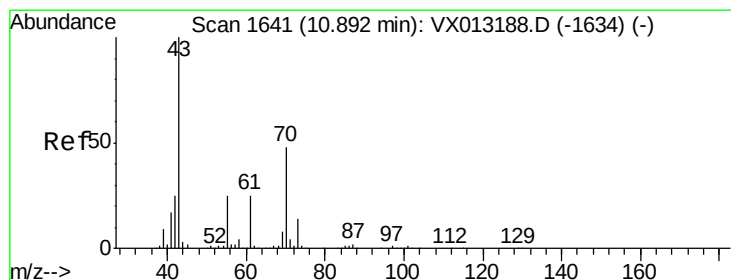
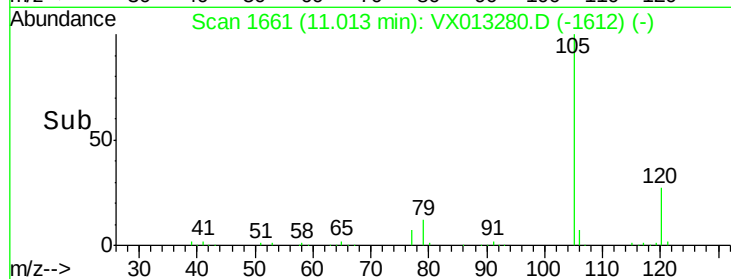
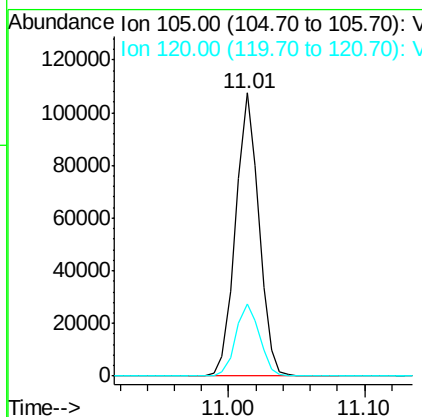
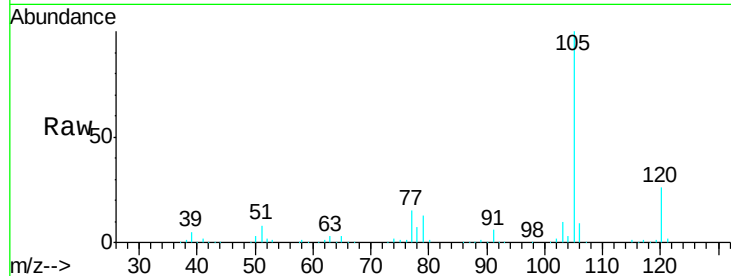
#73
Isopropylbenzene
Concen: 20.101 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 105 Resp: 128187
Ion Ratio Lower Upper
105 100
120 25.8 12.6 37.8

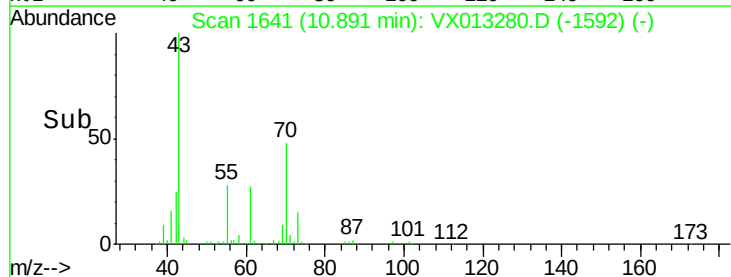
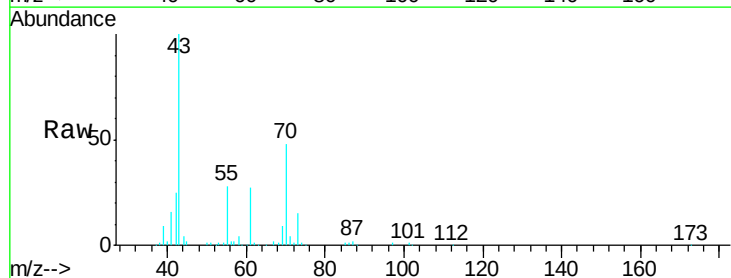
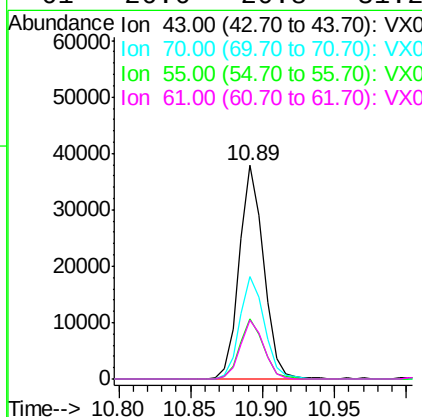
Manual Integrations
APPROVED

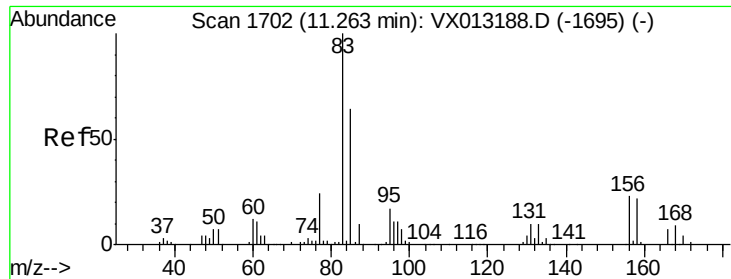
MMDadoda
10/31/2019 4:05:25 PM



#74
N-ethyl acetate
Concen: 19.151 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 43 Resp: 44823
Ion Ratio Lower Upper
43 100
70 48.3 38.5 57.7
55 27.3 20.7 31.1
61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.001 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

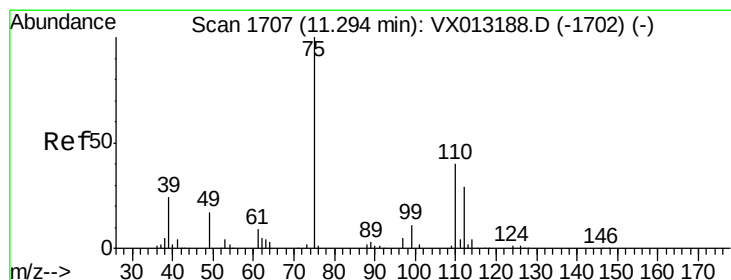
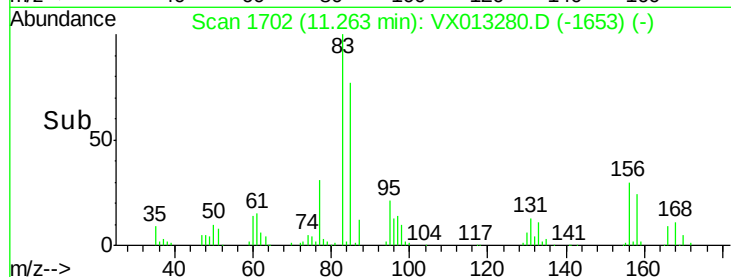
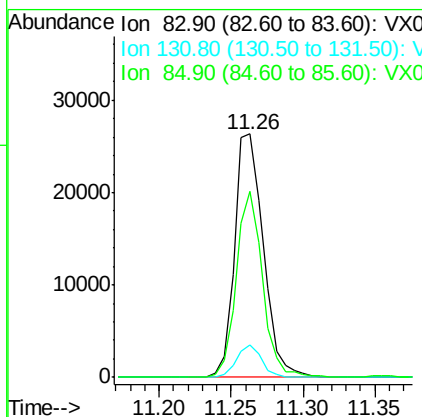
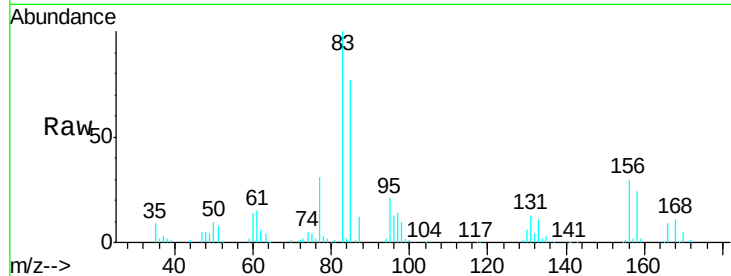
ClientSampleId :

VX1030WBS01

Tgt Ion:	83	Resp:	36791
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.3	16.1
85	69.8	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#76

1,2,3-Trichloropropane

Concen: 19.369 ug/l m

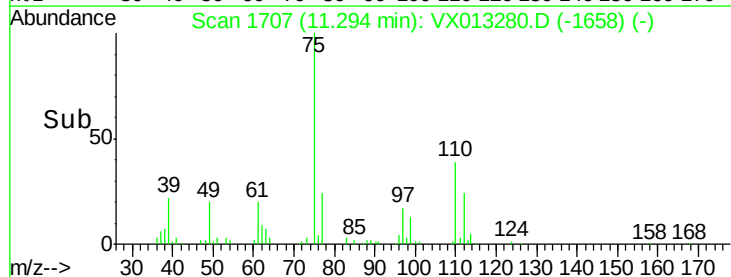
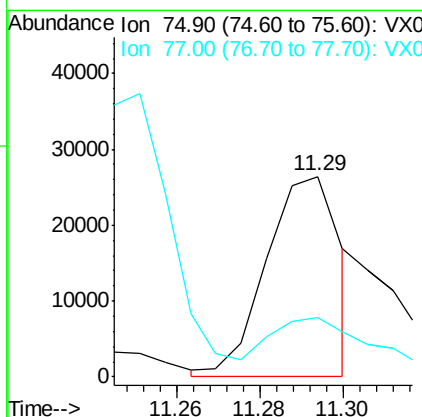
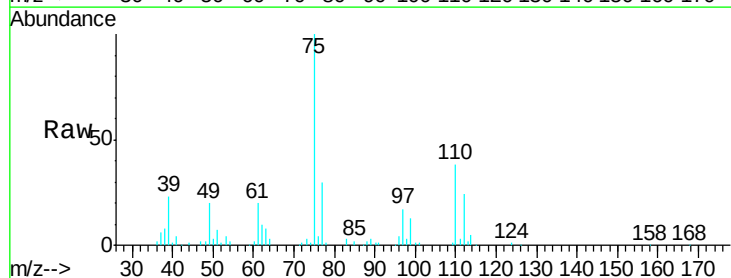
RT: 11.29 min Scan# 1707

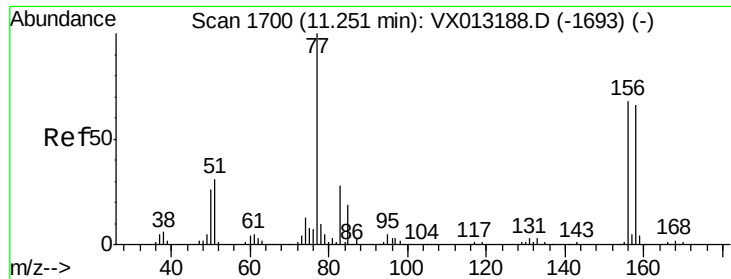
Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	75	Resp:	32783
Ion	Ratio	Lower	Upper
75	100		
77	41.7	19.1	57.5





#77

Bromobenzene

Concen: 19.538 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

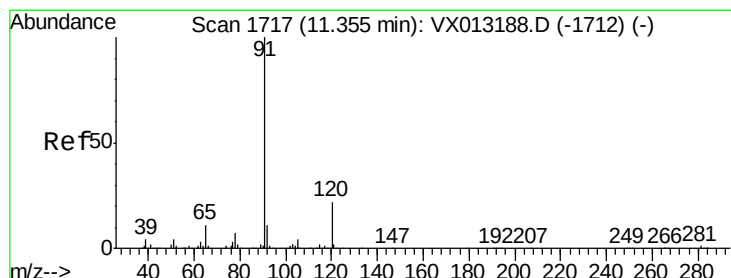
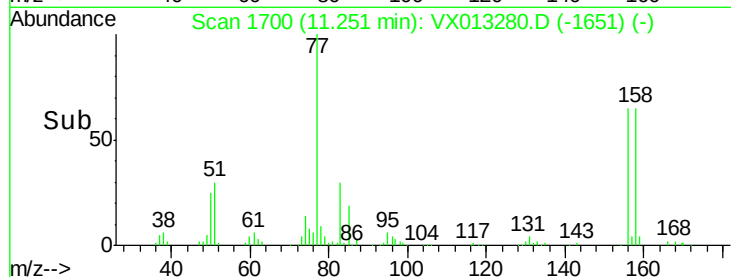
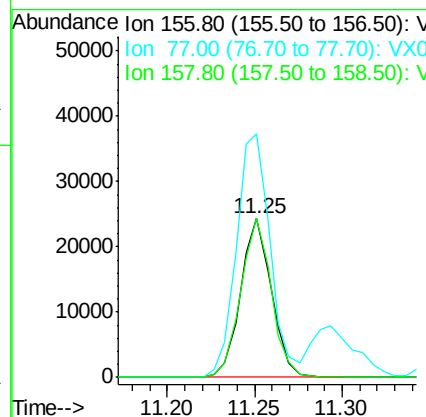
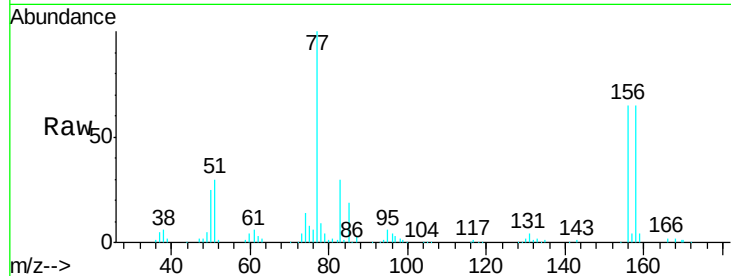
ClientSampleId :

VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	29862		
77	167.5	81.7	245.1	
158	99.3	49.6	148.8	

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#78

n-propylbenzene

Concen: 19.758 ug/l

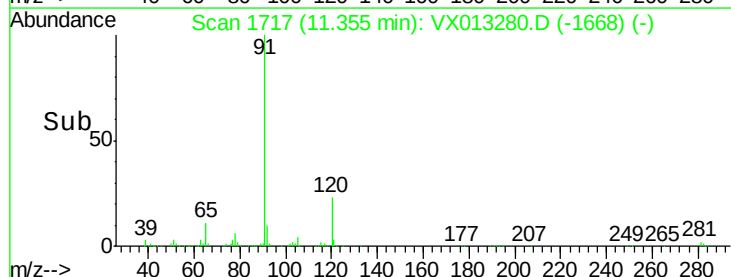
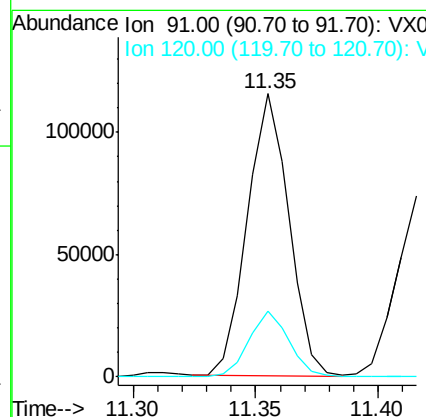
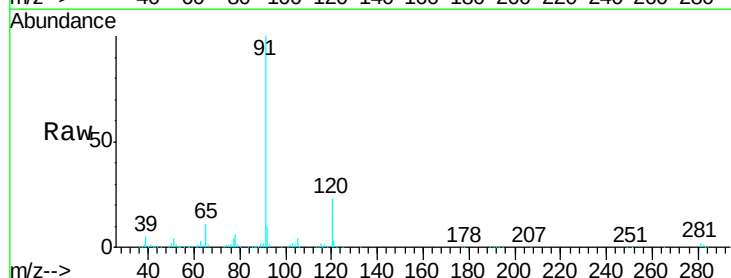
RT: 11.35 min Scan# 1717

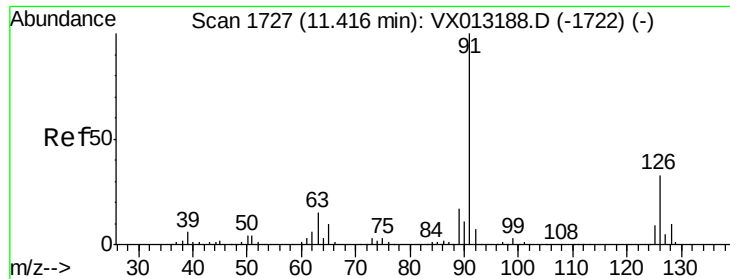
Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	136863		
120	22.5	11.4	34.1	





#79

2-Chlorotoluene

Concen: 19.930 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 91 Resp: 87225

Ion Ratio Lower Upper

91 100

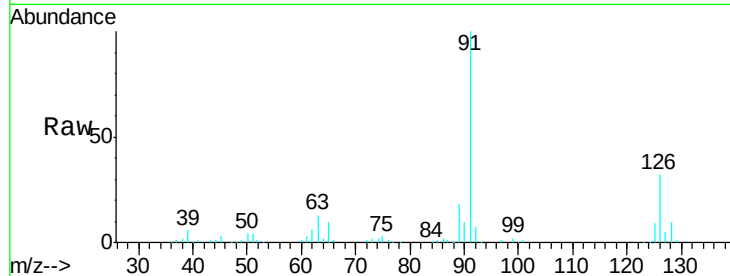
126 31.4 16.3 48.8

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VX013188.D (-1722) (-)

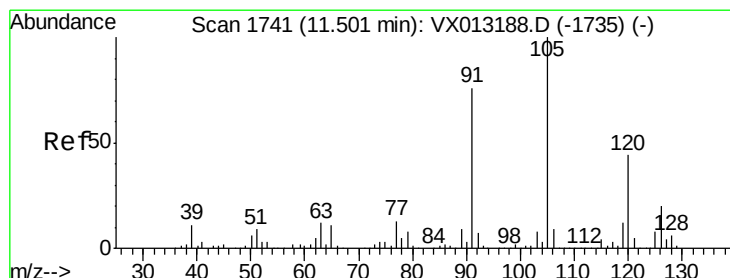
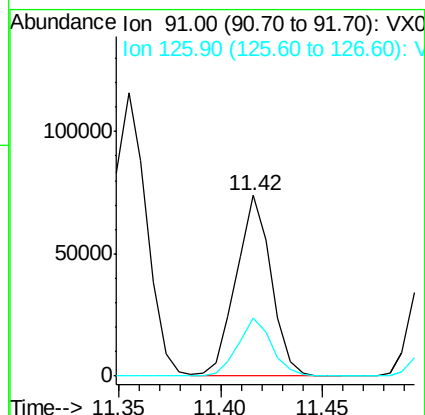
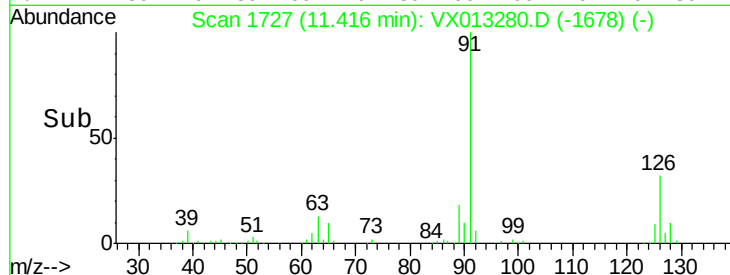
Ion 125.90 (125.60 to 126.60): VX013188.D (-1722) (-)

100000

50000

0

11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 20.640 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013280.D

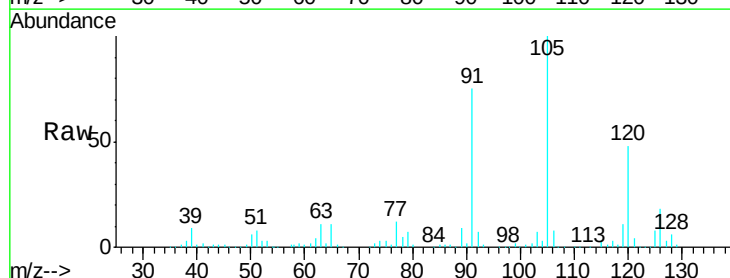
Acq: 30 Oct 2019 12:10

Tgt Ion: 105 Resp: 109404

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VX013188.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013188.D (-1735) (-)

100000

80000

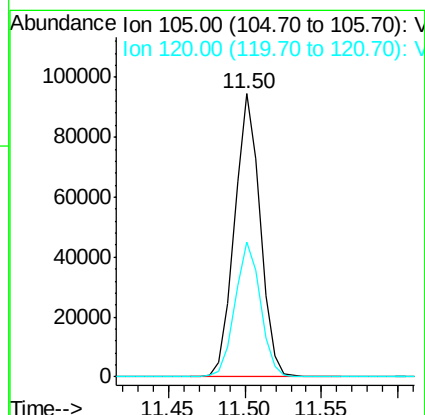
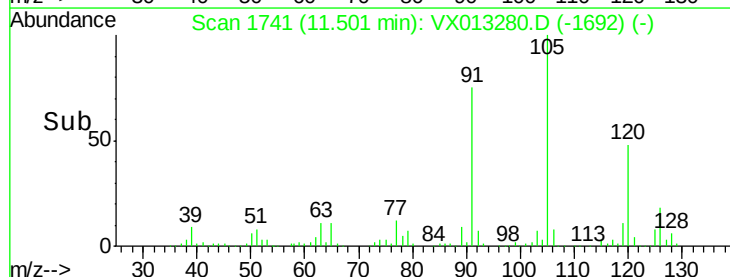
60000

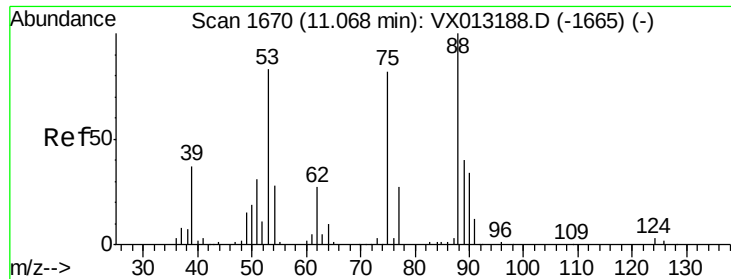
40000

20000

0

11.45 11.50 11.55





#81

trans-1,4-Dichloro-2-butene

Concen: 19.200 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

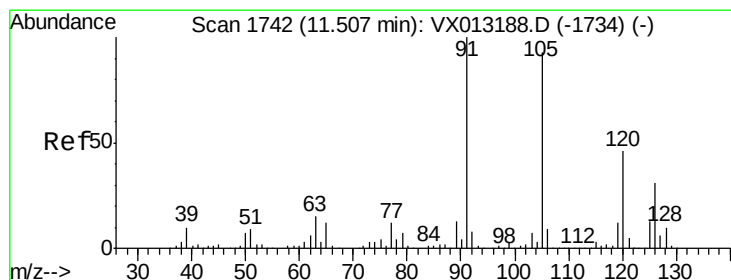
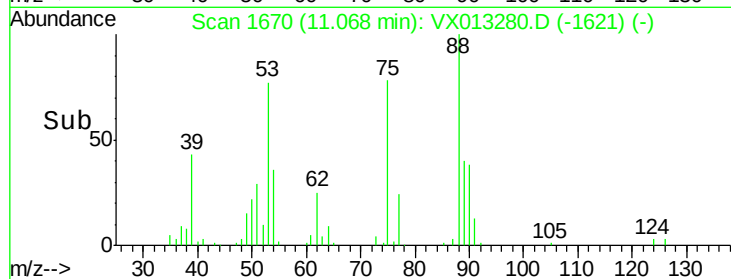
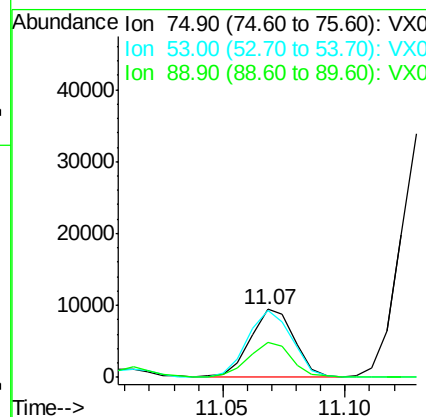
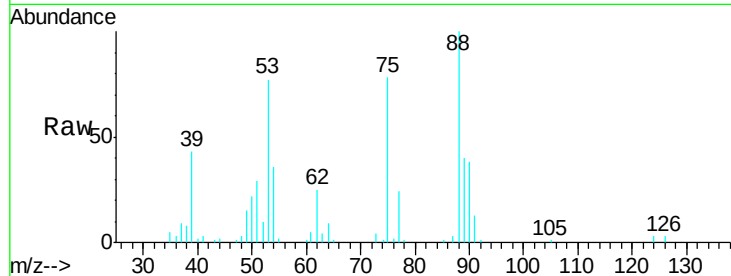
ClientSampleId :

VX1030WBS01

Tgt Ion:	75	Resp:	11826
Ion Ratio	Lower	Upper	
75	100		
53	100.7	77.9	116.9
89	49.9	37.3	55.9

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#82

4-Chlorotoluene

Concen: 19.943 ug/l

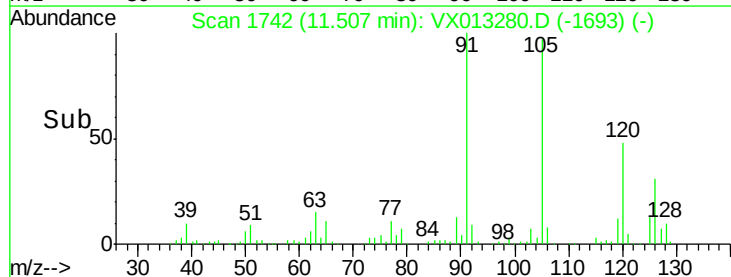
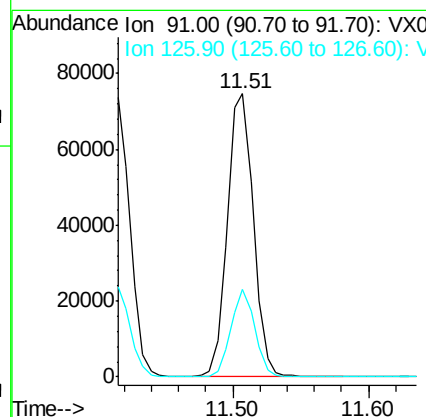
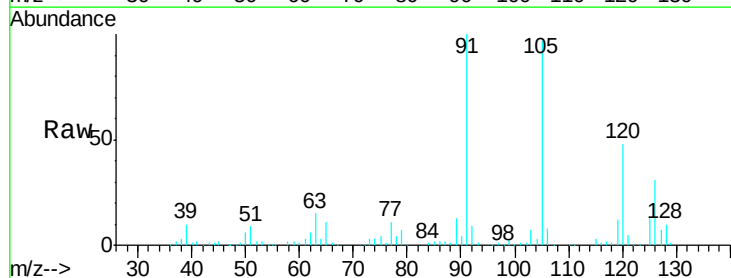
RT: 11.51 min Scan# 1742

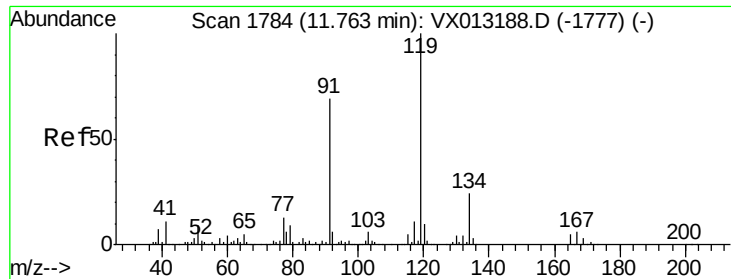
Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	91	Resp:	98898
Ion Ratio	Lower	Upper	
91	100		
126	28.7	14.6	44.0





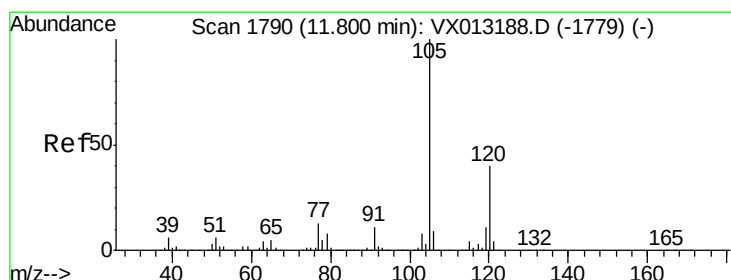
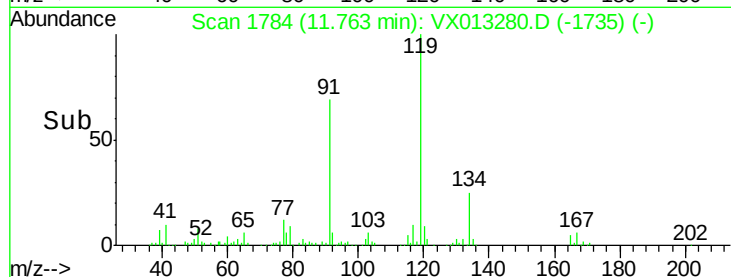
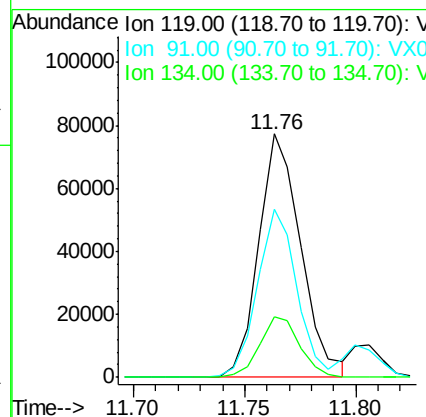
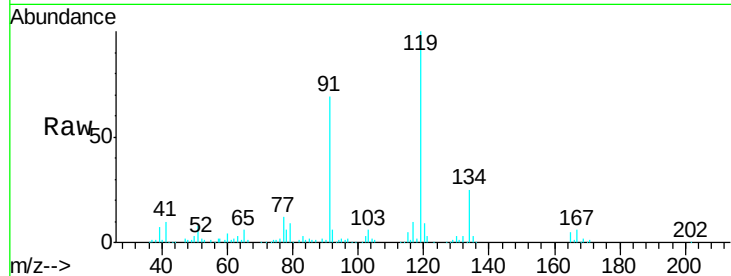
#83
 tert-Butylbenzene
 Concen: 19.405 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	101763		
91	64.7	30.8	92.4	
134	23.8	11.5	34.5	

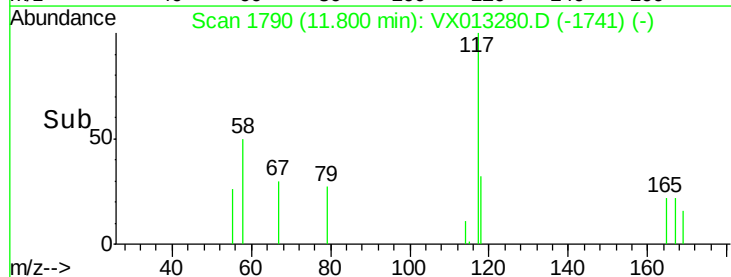
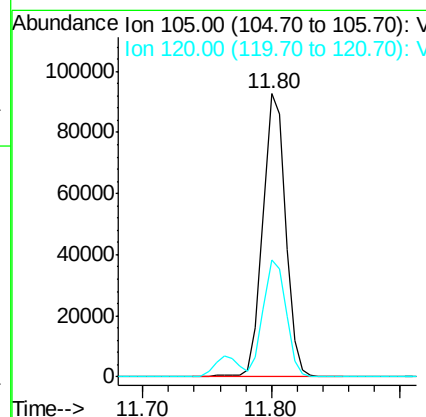
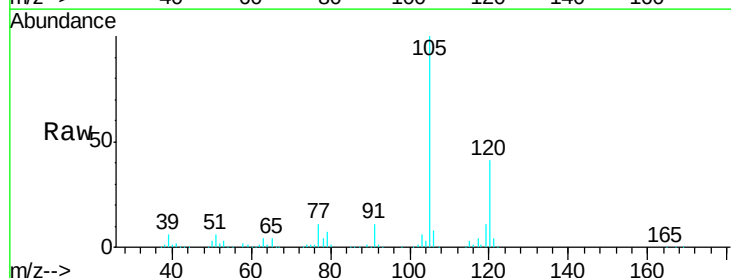
Manual Integrations
 APPROVED

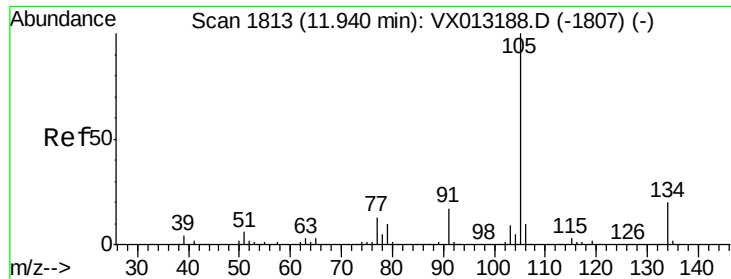
MMDadoda
 10/31/2019 4:05:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.088 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	112748		
120	41.7	21.4	64.3	





#85

sec-Butylbenzene

Concen: 19.781 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion:105 Resp: 118046

Ion Ratio Lower Upper

105 100

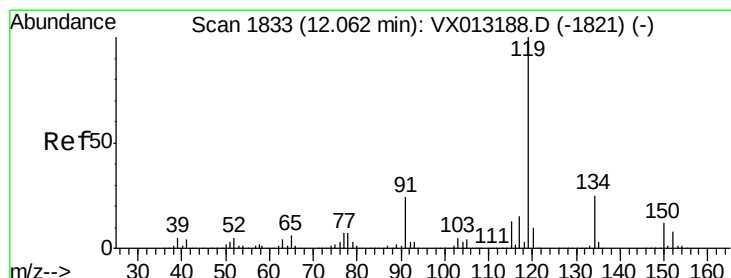
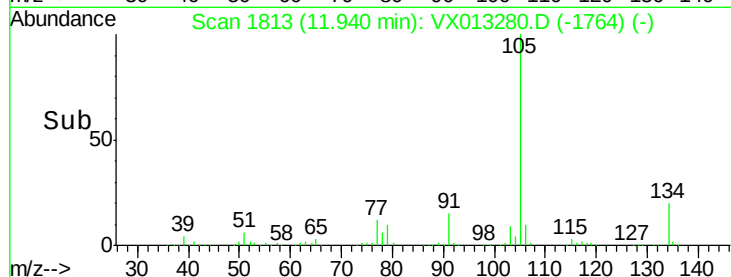
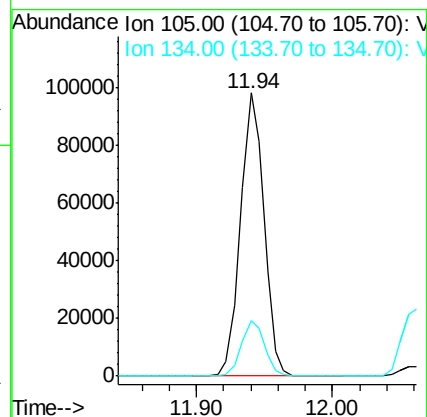
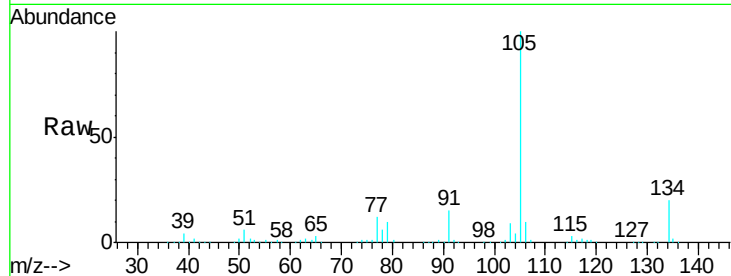
134 19.6 9.9 29.7

Manual Integrations

APPROVED

MMDadoda

10/31/2019 4:05:25 PM



#86

p-Isopropyltoluene

Concen: 19.896 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

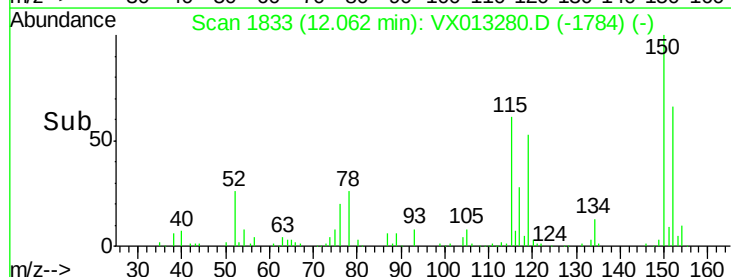
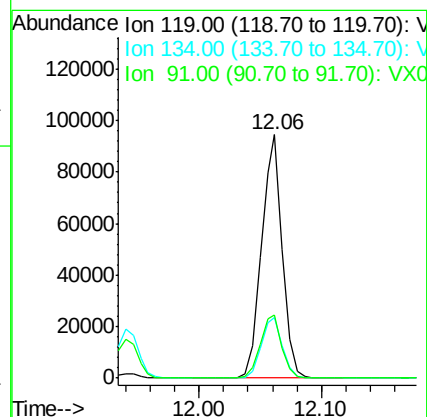
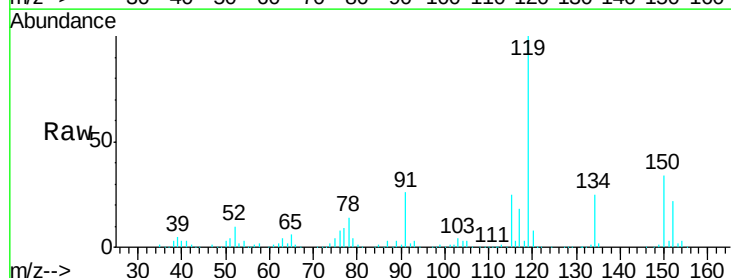
Tgt Ion:119 Resp: 111547

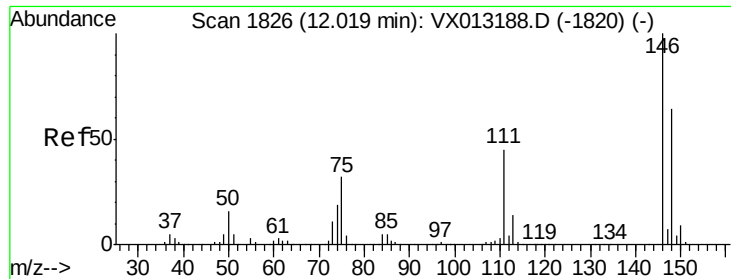
Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

91 26.6 12.4 37.2





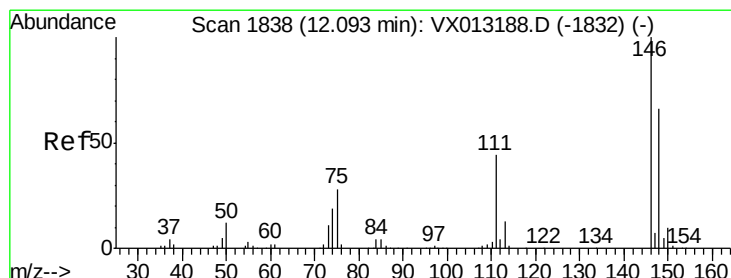
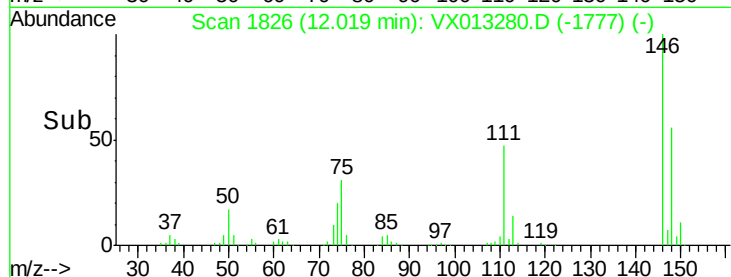
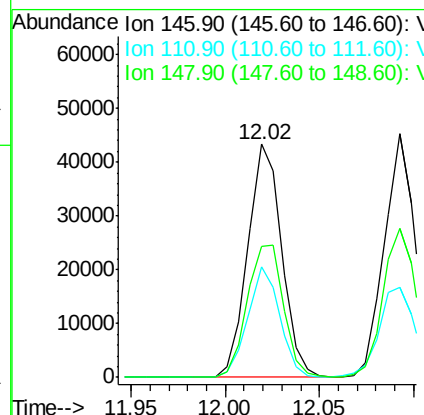
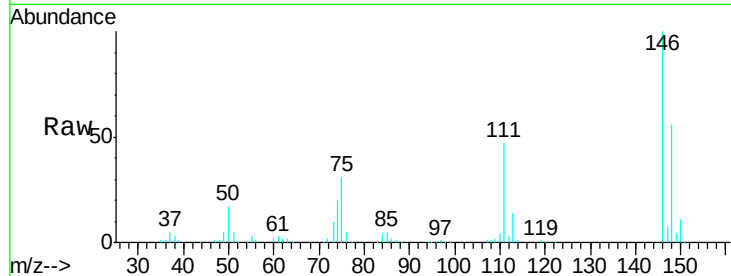
#87
 1,3-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.3	63.9
148	60.7	31.6	94.8

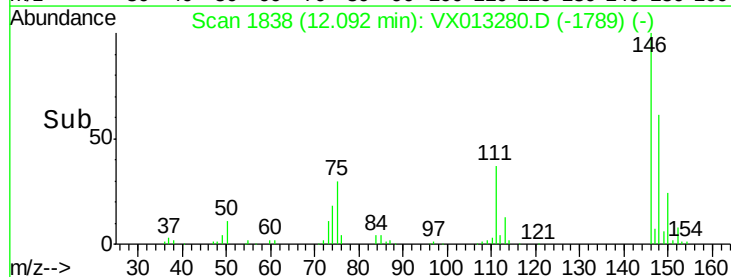
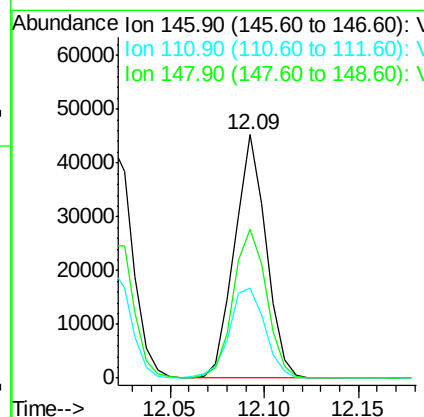
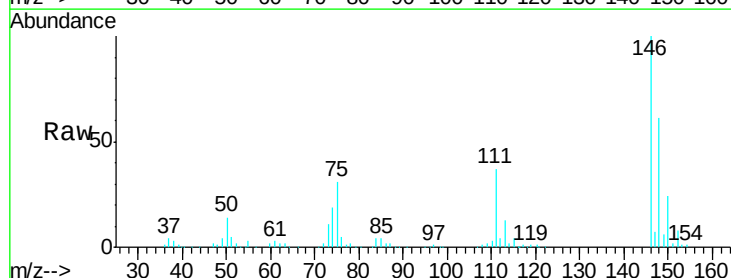
Manual Integrations
 APPROVED

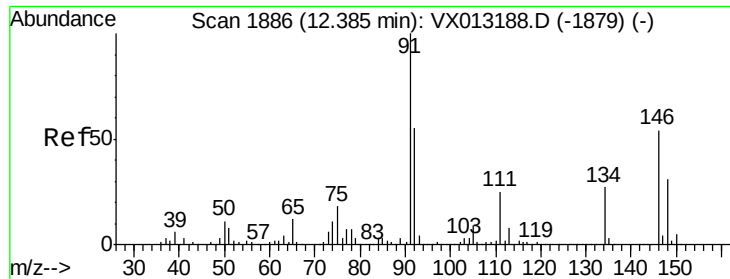
MMDadoda
 10/31/2019 4:05:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.730 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.9
148	64.4	32.5	97.5





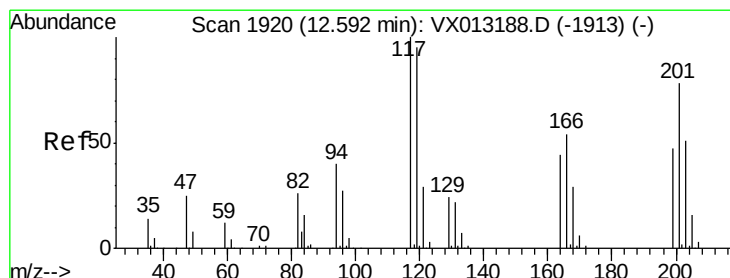
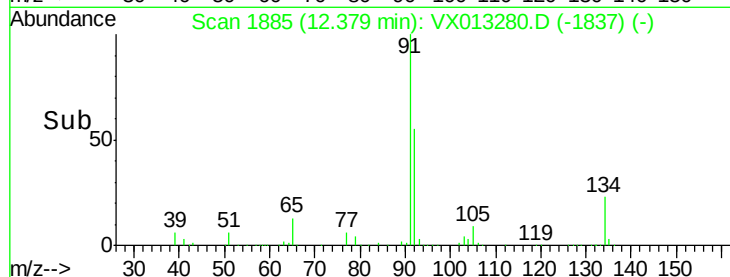
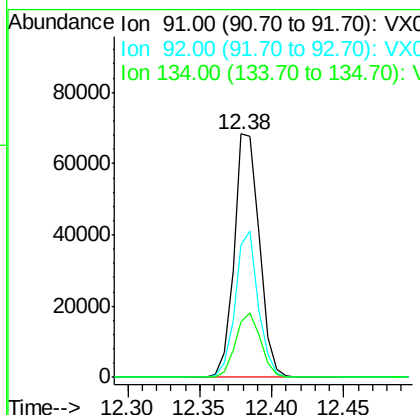
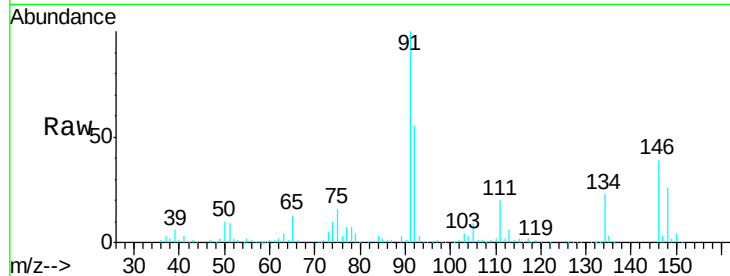
#89
n-Butylbenzene
Concen: 18.340 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 91 Resp: 84116
Ion Ratio Lower Upper
91 100
92 54.9 27.7 83.1
134 26.2 13.2 39.6

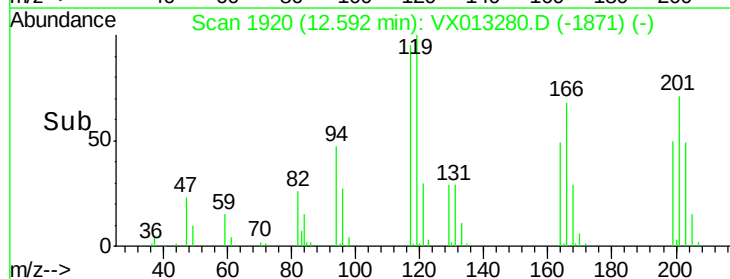
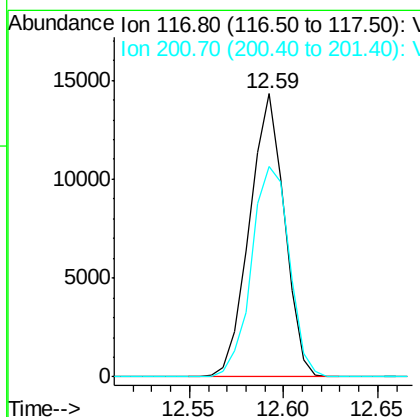
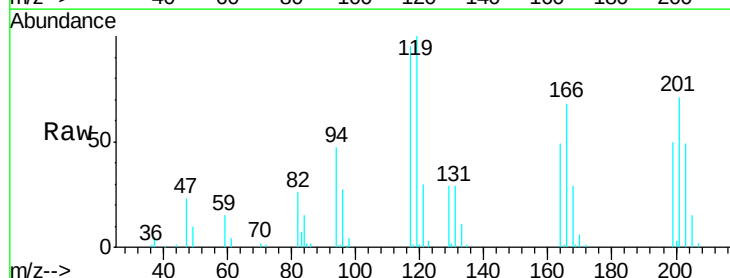
Manual Integrations
APPROVED

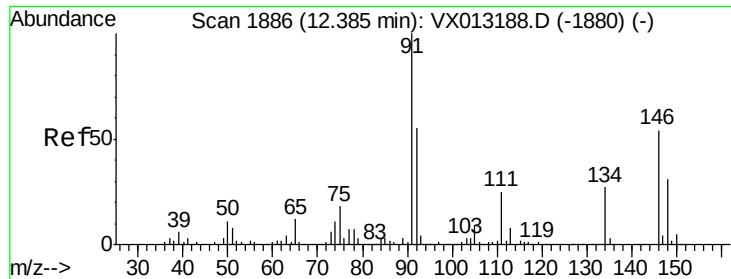
MMDadoda
10/31/2019 4:05:25 PM



#90
Hexachloroethane
Concen: 19.594 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion: 117 Resp: 18397
Ion Ratio Lower Upper
117 100
201 80.6 39.0 116.9





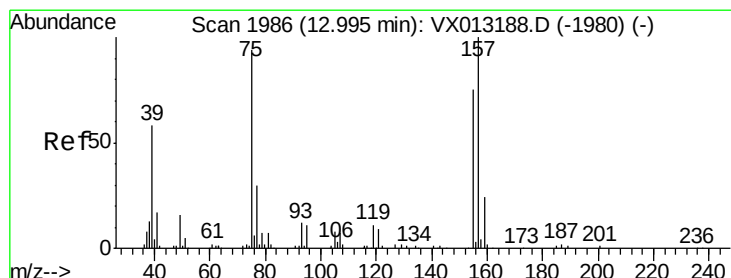
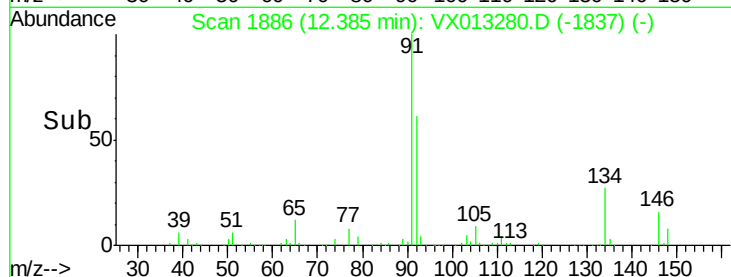
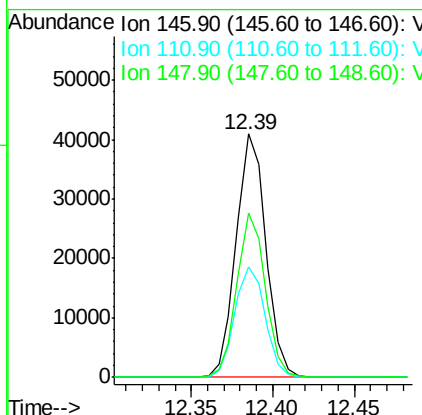
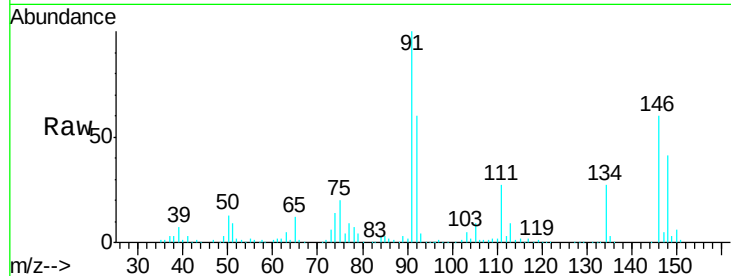
#91
 1,2-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.9	68.8
148	65.0	31.8	95.3

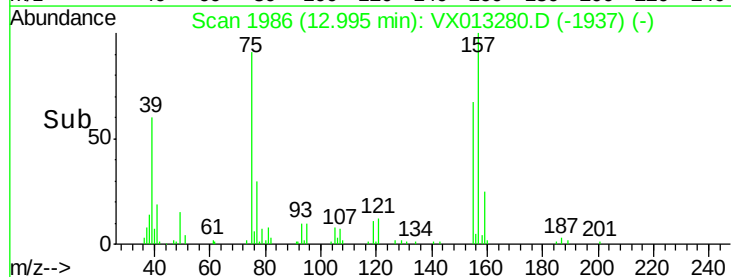
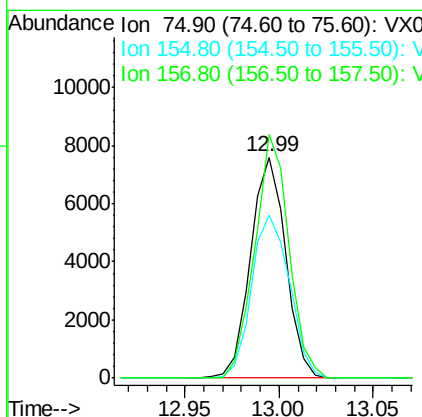
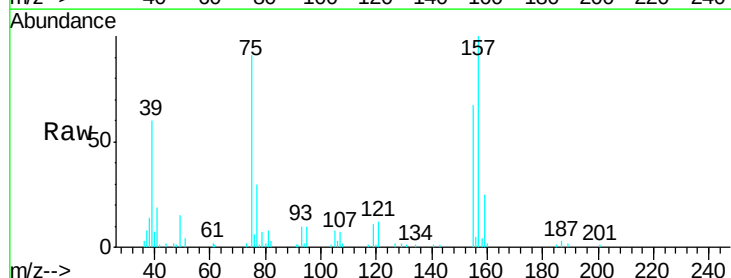
Manual Integrations
 APPROVED

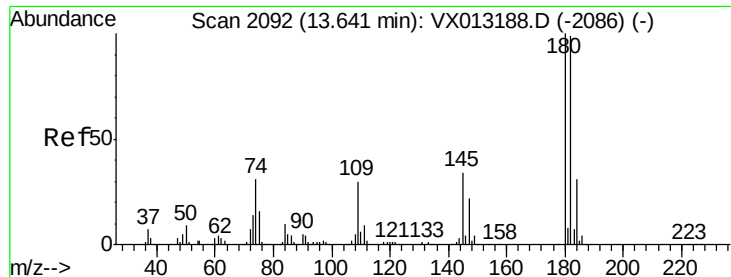
MMDadoda
 10/31/2019 4:05:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.338 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013280.D
 Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	42.8	128.4
157	107.3	54.3	162.8





#93

1,2,4-Trichlorobenzene

Concen: 17.945 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Instrument :

MSVOA_X

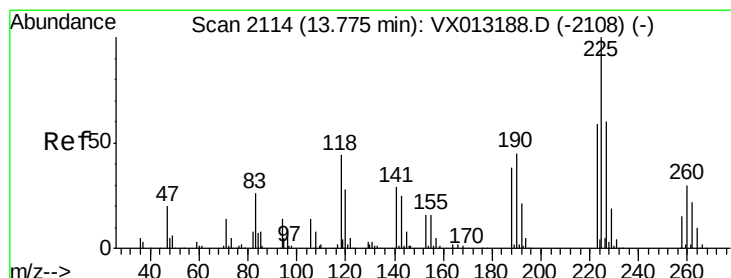
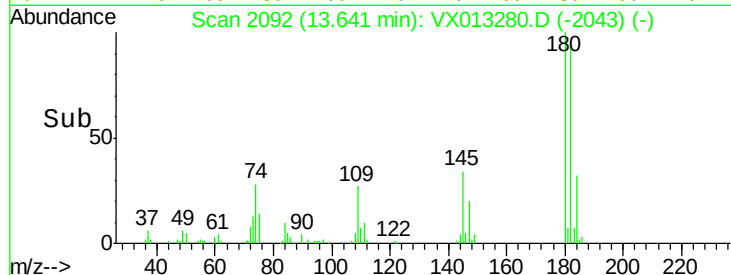
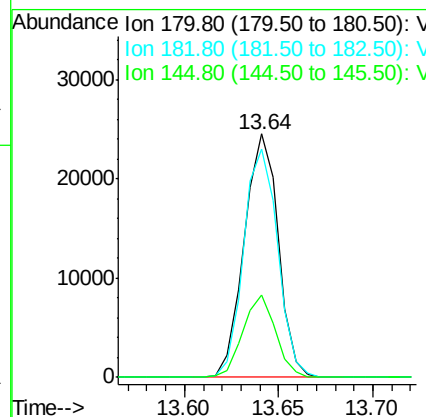
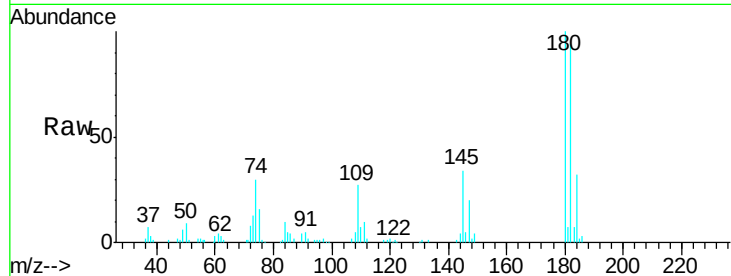
ClientSampleId :

VX1030WBS01

Tgt Ion:	180	Resp:	30680
Ion Ratio	Lower	Upper	
180	100		
182	94.1	45.9	137.6
145	32.5	15.9	47.6

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#94

Hexachlorobutadiene

Concen: 18.718 ug/l

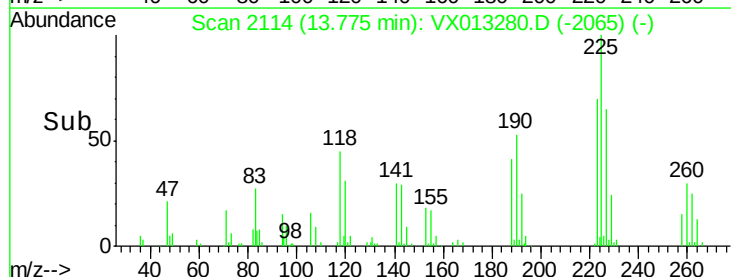
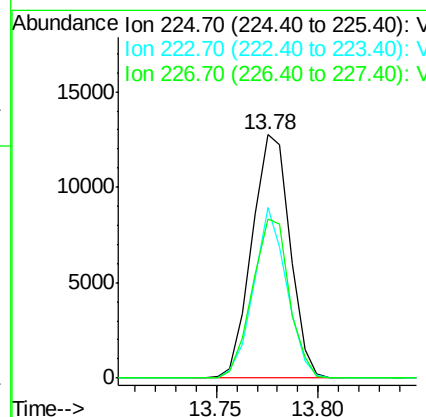
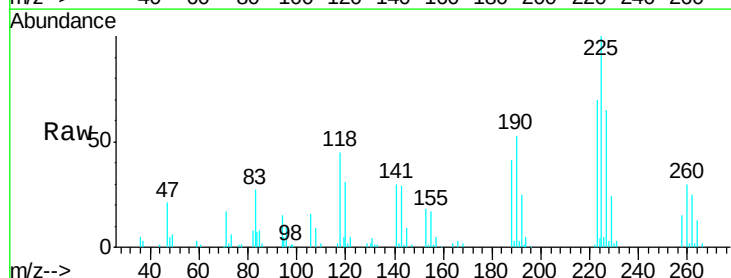
RT: 13.78 min Scan# 2114

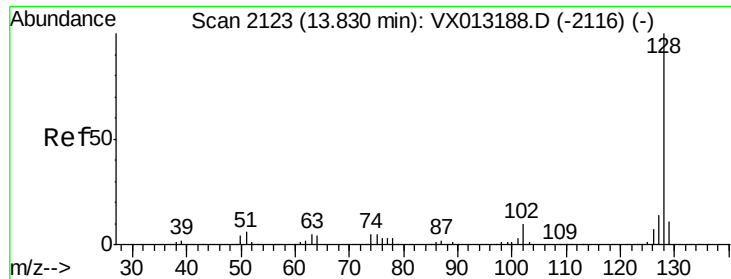
Delta R.T. -0.00 min

Lab File: VX013280.D

Acq: 30 Oct 2019 12:10

Tgt Ion:	225	Resp:	16554
Ion Ratio	Lower	Upper	
225	100		
223	61.0	30.9	92.5
227	63.4	30.3	90.9





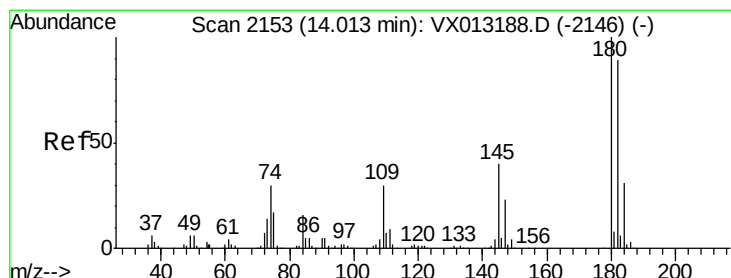
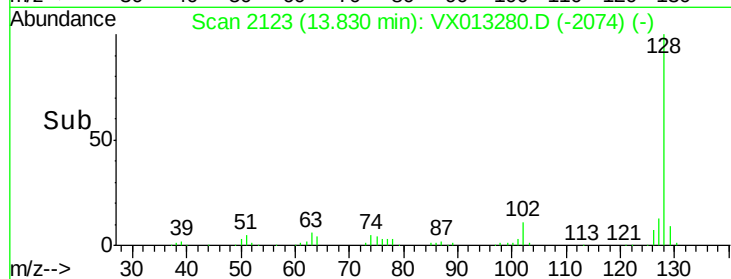
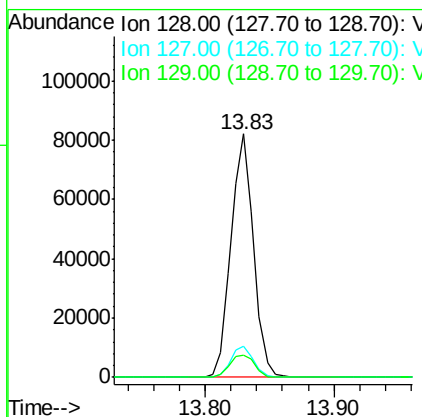
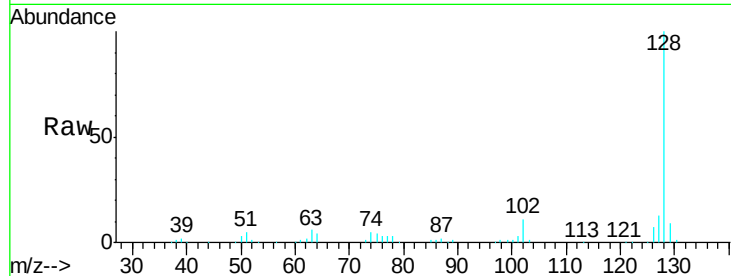
#95
Naphthalene
Concen: 19.216 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	100834		
127	12.8		10.7	16.1
129	10.3		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/31/2019 4:05:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.675 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013280.D
Acq: 30 Oct 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	31551		
182	95.0		48.3	144.9
145	35.1		18.6	55.6

