

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012266.D
 Acq On : 10 Sep 2019 20:11
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:52 AM

Quant Time: Sep 11 02:24:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	135078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253407	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113038	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	101602	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	5.48	113	79492	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	8.71	98	295371	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.14	95	128838	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	50171	45.430	ug/l	97
3) Chloromethane	1.31	50	47647	47.863	ug/l	96
4) Vinyl Chloride	1.39	62	46929	47.545	ug/l	96
5) Bromomethane	1.62	94	28496	73.399	ug/l	99
6) Chloroethane	1.71	64	30465	46.157	ug/l	99
7) Trichlorofluoromethane	1.92	101	82751	46.324	ug/l	97
8) Diethyl Ether	2.17	74	32487	53.296	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	60504	50.254	ug/l	99
10) Methyl Iodide	2.50	142	46327	40.429	ug/l	100
11) Tert butyl alcohol	3.03	59	49498	243.865	ug/l	100
12) 1,1-Dichloroethene	2.36	96	50750	49.651	ug/l	98
13) Acrolein	2.28	56	19357	193.898	ug/l	97
14) Allyl chloride	2.72	41	104078	49.944	ug/l	99
15) Acrylonitrile	3.13	53	100370	266.373	ug/l	99
16) Acetone	2.43	43	96156	212.691	ug/l	100
17) Carbon Disulfide	2.56	76	103272	48.114	ug/l	99
18) Methyl Acetate	2.76	43	50609	53.259	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	214775	53.208	ug/l	98
20) Methylene Chloride	2.84	84	72551	51.518	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	60341	49.481	ug/l	97
22) Diisopropyl ether	3.84	45	249273	52.304	ug/l	92
23) Vinyl Acetate	3.80	43	769751	263.250	ug/l	99
24) 1,1-Dichloroethane	3.69	63	132101	51.748	ug/l	98
25) 2-Butanone	4.65	43	142047	245.784	ug/l	99
26) 2,2-Dichloropropane	4.57	77	110133	45.952	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	81216	51.586	ug/l	100
28) Bromochloromethane	5.00	49	63017	52.635	ug/l	100
29) Tetrahydrofuran	5.11	42	86168	276.339	ug/l	99
30) Chloroform	5.20	83	147037	51.079	ug/l	99
31) Cyclohexane	5.57	56	84740	47.787	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	121441	49.131	ug/l	98
36) 1,1-Dichloropropene	5.78	75	86741	46.944	ug/l	99
37) Ethyl Acetate	4.81	43	60140	52.652	ug/l	98
38) Carbon Tetrachloride	5.77	117	100982	46.580	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012266.D
 Acq On : 10 Sep 2019 20:11
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:52 AM

Quant Time: Sep 11 02:24:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94243	46.476	ug/l	96
40) Benzene	6.13	78	273413	48.891	ug/l	97
41) Methacrylonitrile	5.03	41	37828	53.721	ug/l	95
42) 1,2-Dichloroethane	6.18	62	110427	49.960	ug/l	99
43) Isopropyl Acetate	6.43	43	123529	51.296	ug/l	99
44) Trichloroethene	7.20	130	72886	48.159	ug/l	100
45) 1,2-Dichloropropane	7.51	63	76536	49.443	ug/l	97
46) Dibromomethane	7.65	93	43718	51.675	ug/l	100
47) Bromodichloromethane	7.89	83	115488	50.021	ug/l	98
48) Methyl methacrylate	7.76	41	59729	51.818	ug/l	99
49) 1,4-Dioxane	7.73	88	15422	991.512	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	320361	252.062	ug/l	100
52) Toluene	8.78	92	179060	48.475	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	111853	48.539	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	123583	48.364	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	66722	50.906	ug/l	99
56) Ethyl methacrylate	9.17	69	91862	51.764	ug/l	100
57) 1,3-Dichloropropane	9.37	76	113431	50.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	236276	259.769	ug/l	100
59) 2-Hexanone	9.48	43	221115	250.213	ug/l	99
60) Dibromochloromethane	9.57	129	79920	52.231	ug/l	99
61) 1,2-Dibromoethane	9.67	107	60786	49.822	ug/l	100
64) Tetrachloroethene	9.33	164	61317	49.512	ug/l	98
65) Chlorobenzene	10.14	112	206341	48.226	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	80581	49.960	ug/l	99
67) Ethyl Benzene	10.24	91	364742	47.930	ug/l	97
68) m/p-Xylenes	10.35	106	270759	96.655	ug/l	100
69) o-Xylene	10.70	106	133824	48.766	ug/l	100
70) Styrene	10.71	104	239330	49.176	ug/l	99
71) Bromoform	10.85	173	43048	51.470	ug/l #	98
73) Isopropylbenzene	11.01	105	368259	49.487	ug/l	98
74) N-amyl acetate	10.89	43	112216	50.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	84031	52.578	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	74277m	51.150	ug/l	
77) Bromobenzene	11.25	156	87364	50.991	ug/l	99
78) n-propylbenzene	11.35	91	441500	49.129	ug/l	100
79) 2-Chlorotoluene	11.42	91	277543	49.850	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	331800	49.580	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	24327	50.194	ug/l	95
82) 4-Chlorotoluene	11.51	91	333802	49.888	ug/l	99
83) tert-Butylbenzene	11.77	119	317927	48.926	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	343800	49.696	ug/l	99
85) sec-Butylbenzene	11.94	105	373050	48.114	ug/l	100
86) p-Isopropyltoluene	12.06	119	346792	48.407	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172433	49.406	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	173234	49.086	ug/l	98
89) n-Butylbenzene	12.38	91	336018	47.854	ug/l	100
90) Hexachloroethane	12.59	117	66030	50.039	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	160039	49.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16345	50.104	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
Data File : VX012266.D
Acq On : 10 Sep 2019 20:11
Operator : SY/SP
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA X/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

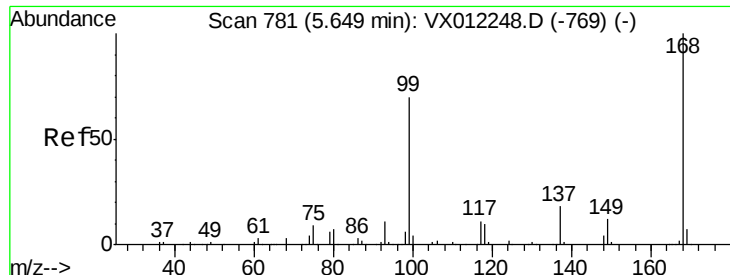
Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM

Quant Time: Sep 11 02:24:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105714	47.414	ug/l	99
94) Hexachlorobutadiene	13.78	225	51217	46.176	ug/l	98
95) Naphthalene	13.83	128	240235	50.209	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	96194	48.762	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 135078

Ion Ratio Lower Upper

168 100

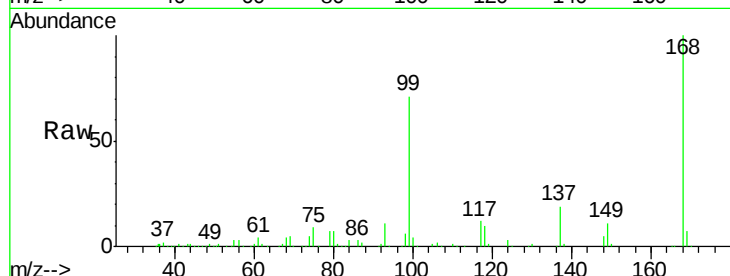
99 70.4 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



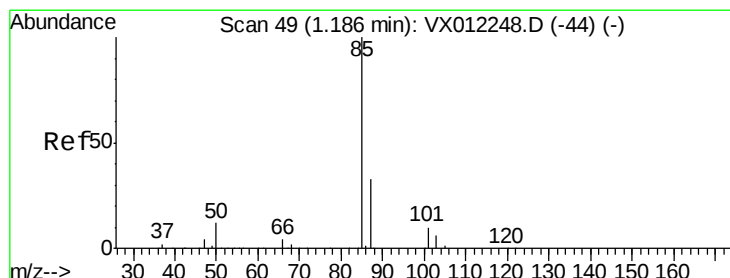
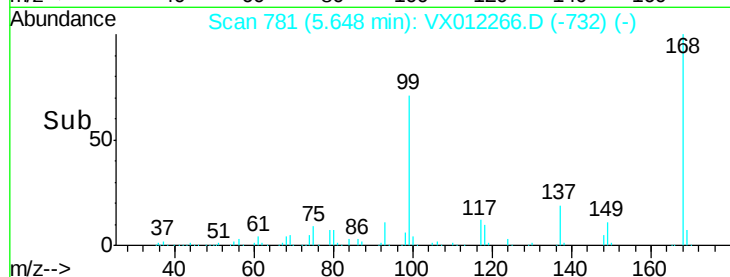
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.430 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012266.D

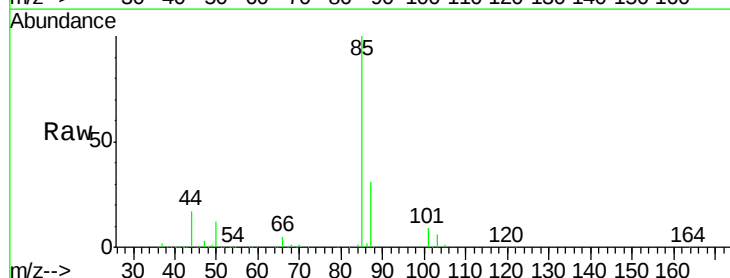
Acq: 10 Sep 2019 20:11

Tgt Ion: 85 Resp: 50171

Ion Ratio Lower Upper

85 100

87 31.4 16.7 50.0



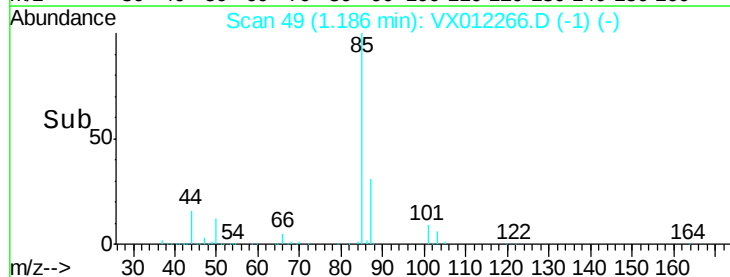
Abundance Ion 84.90 (84.60 to 85.60): VX0

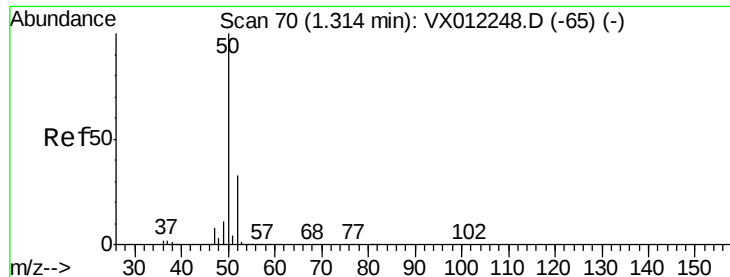
Ion 86.90 (86.60 to 87.60): VX0

1.19

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.863 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 47647

Ion Ratio Lower Upper

50 100

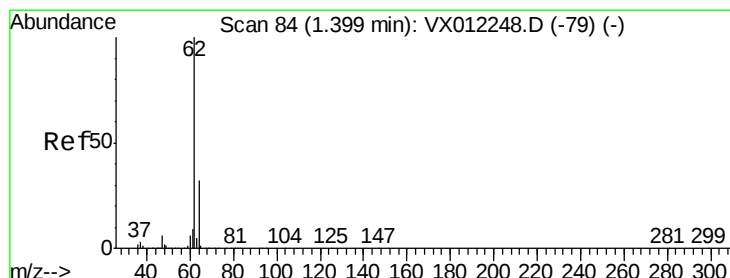
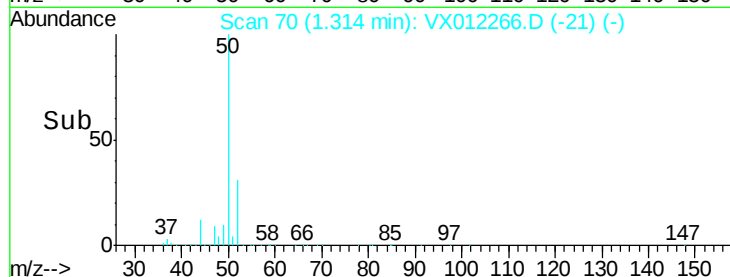
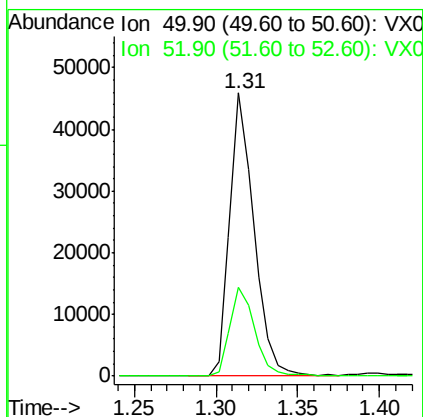
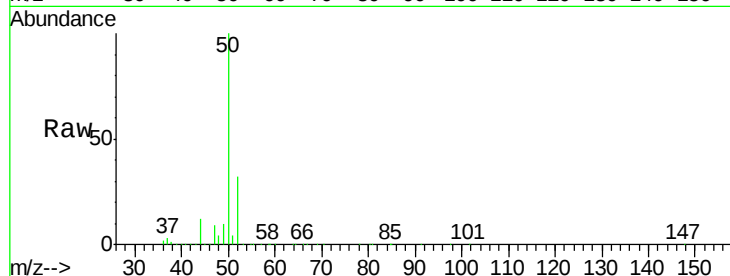
52 31.4 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#4

Vinyl Chloride

Concen: 47.545 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012266.D

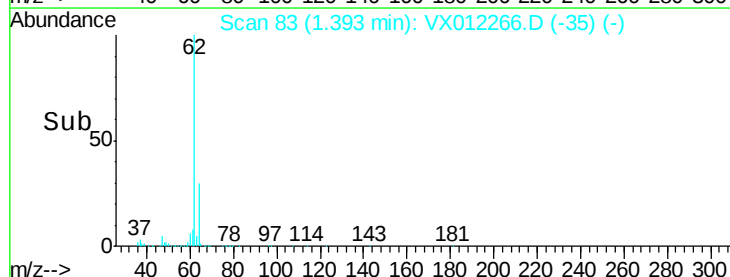
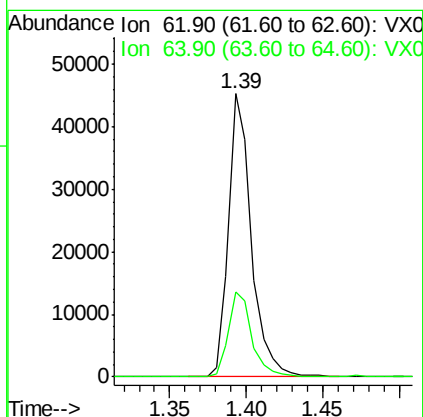
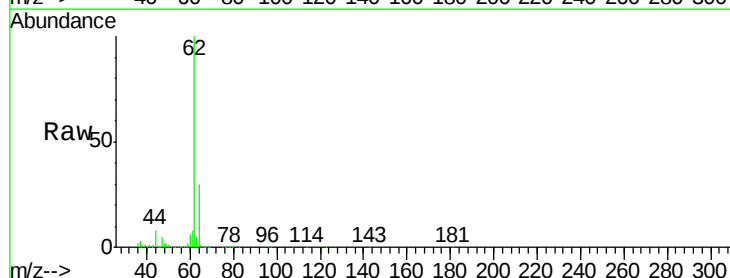
Acq: 10 Sep 2019 20:11

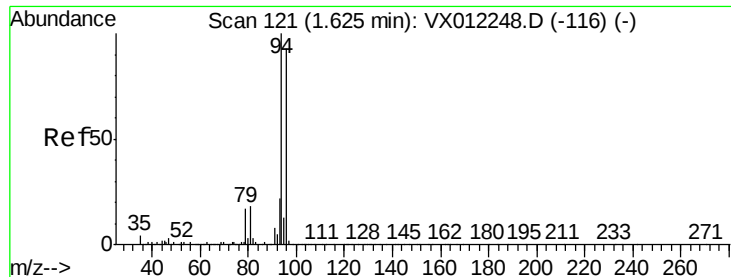
Tgt Ion: 62 Resp: 46929

Ion Ratio Lower Upper

62 100

64 29.9 25.5 38.3





#5

Bromomethane

Concen: 73.399 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 28496

Ion Ratio Lower Upper

94 100

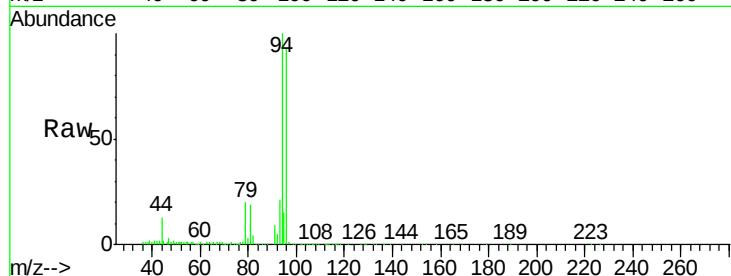
96 93.2 74.0 111.0

Manual Integrations

APPROVED

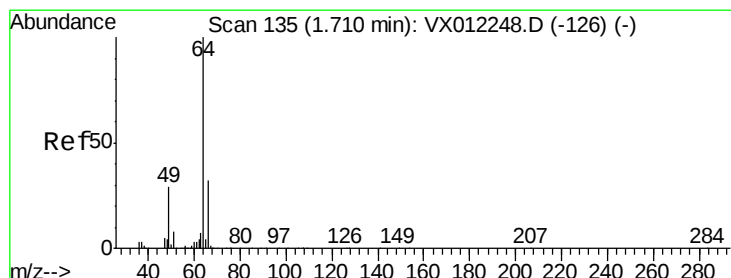
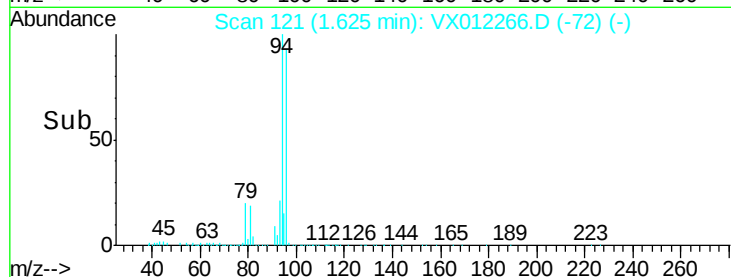
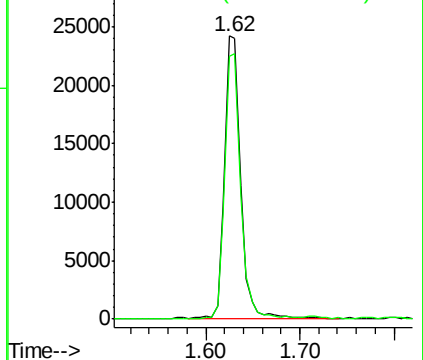
MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.157 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012266.D

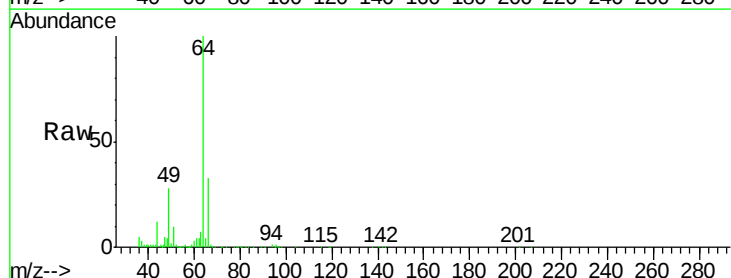
Acq: 10 Sep 2019 20:11

Tgt Ion: 64 Resp: 30465

Ion Ratio Lower Upper

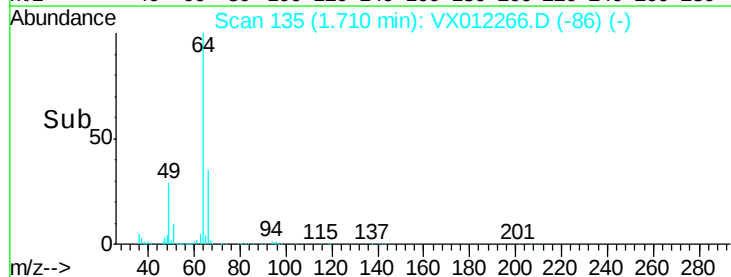
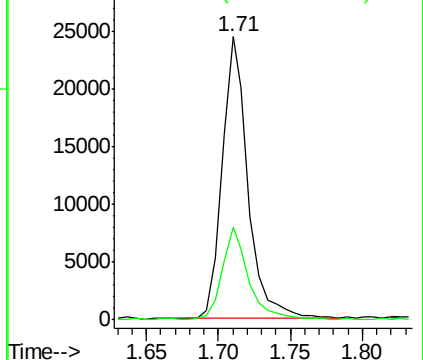
64 100

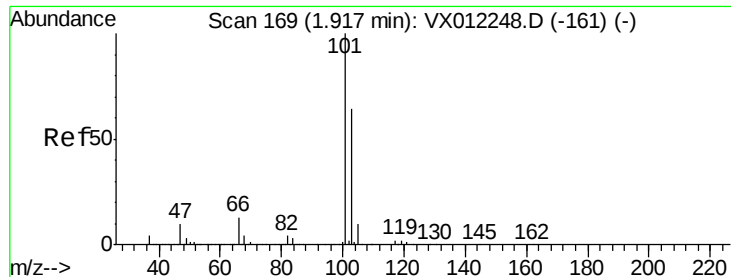
66 32.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

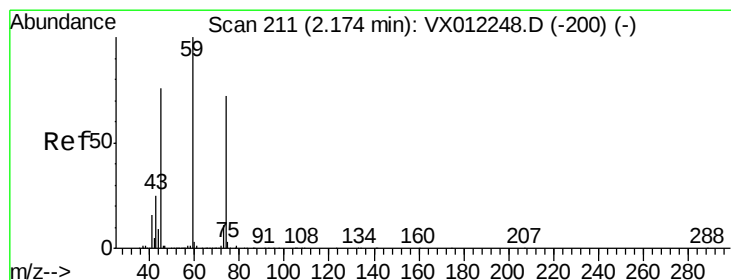
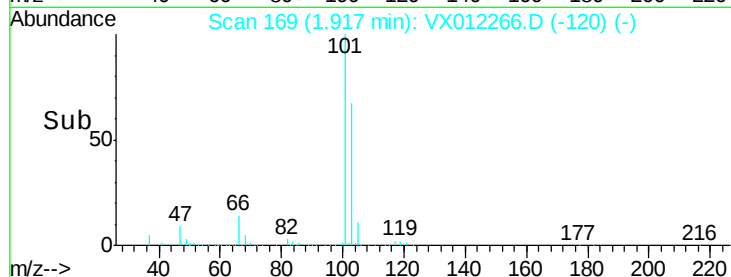
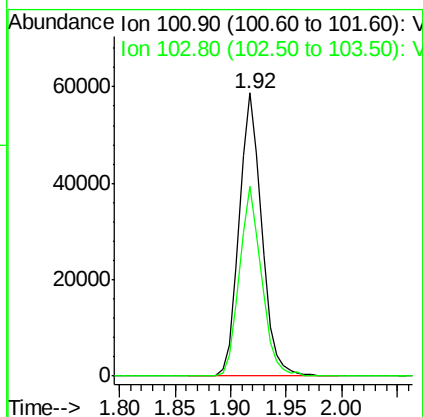
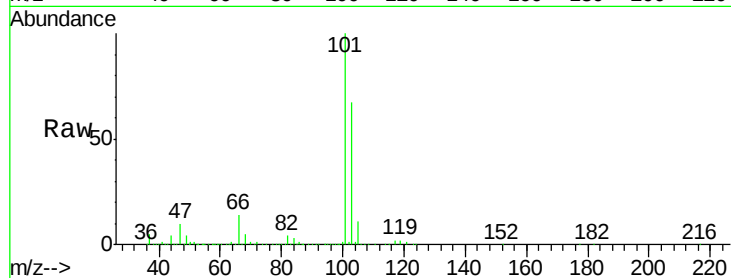
Trichlorofluoromethane
Concen: 46.324 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.4	77.2

Manual Integrations
APPROVED

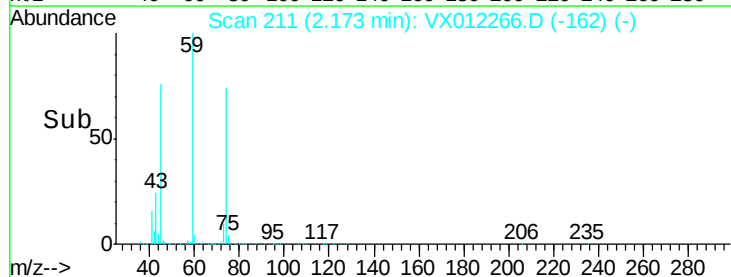
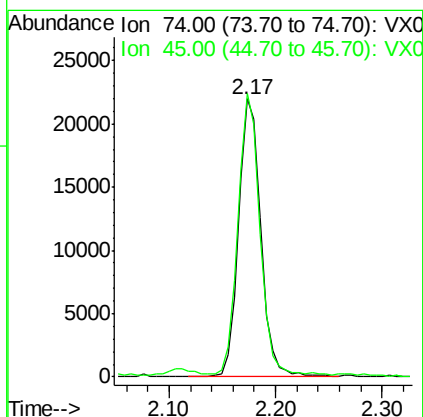
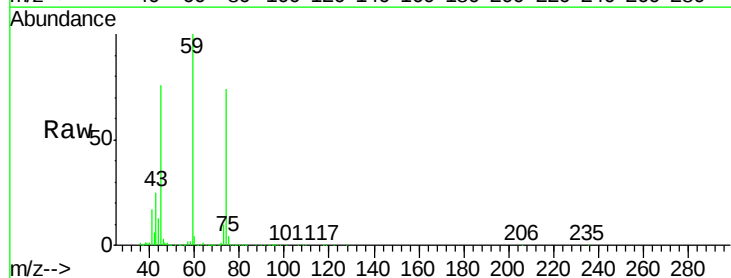
MMDadoda
9/12/2019 8:59:52 AM

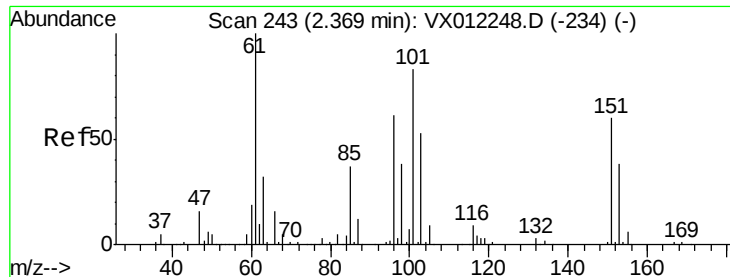


#8

Diethyl Ether
Concen: 53.296 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.254 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

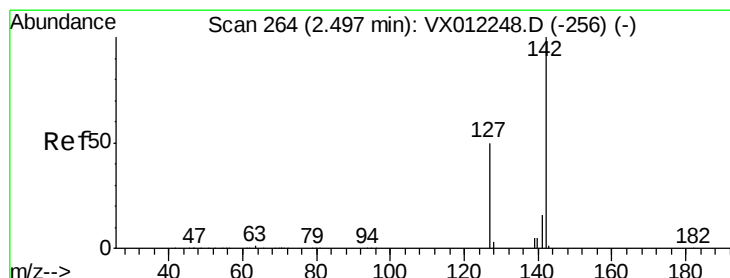
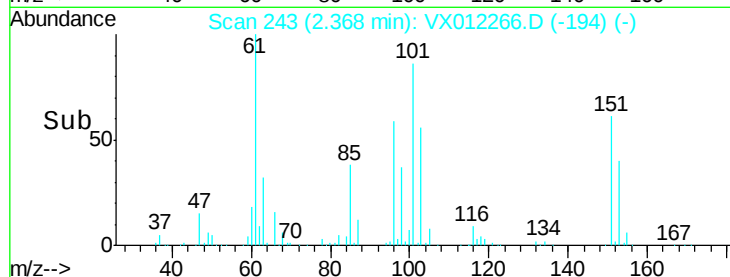
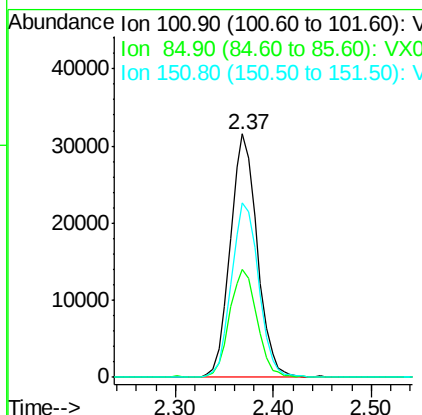
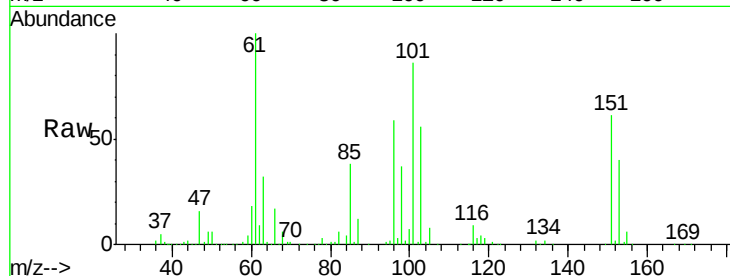
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	60504
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.0	55.6
151	72.7	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#10

Methyl Iodide

Concen: 40.429 ug/l

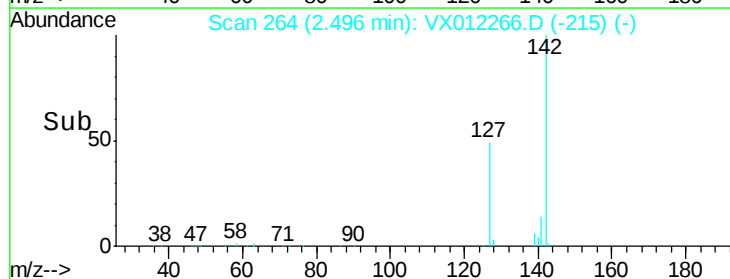
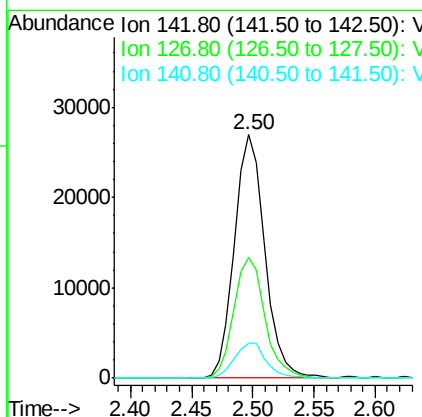
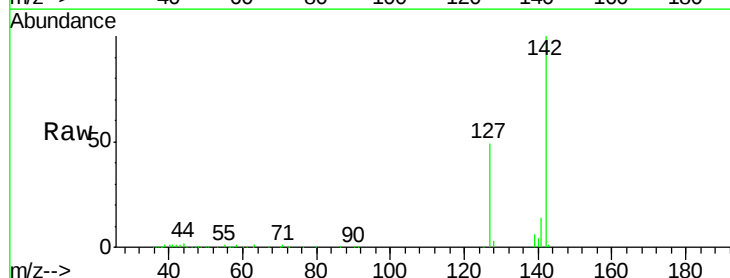
RT: 2.50 min Scan# 264

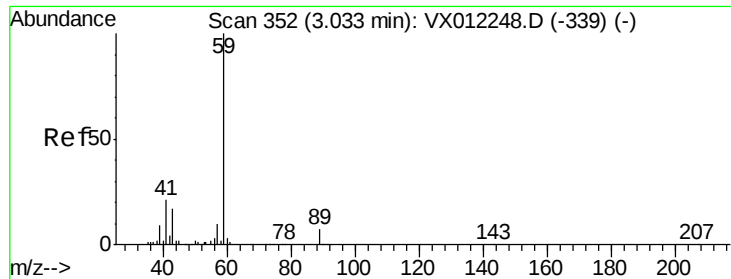
Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	142	Resp:	46327
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.6	61.0
141	15.1	12.0	18.0





#11

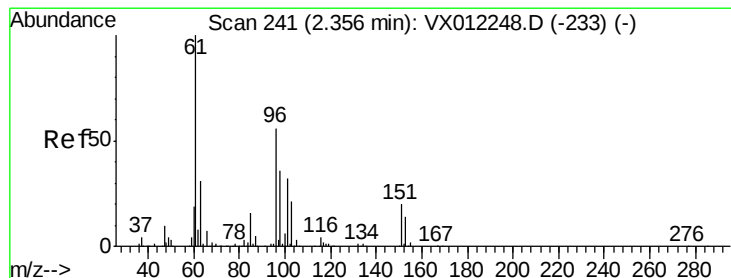
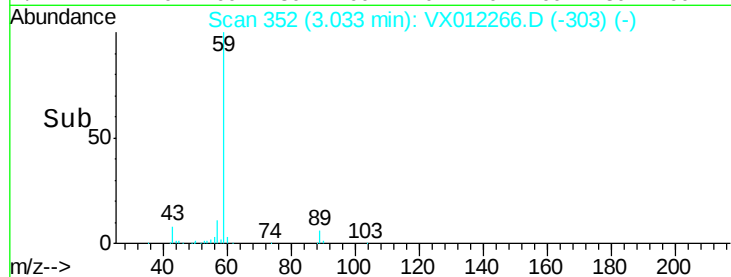
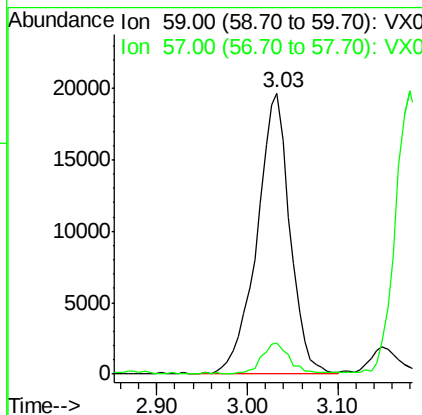
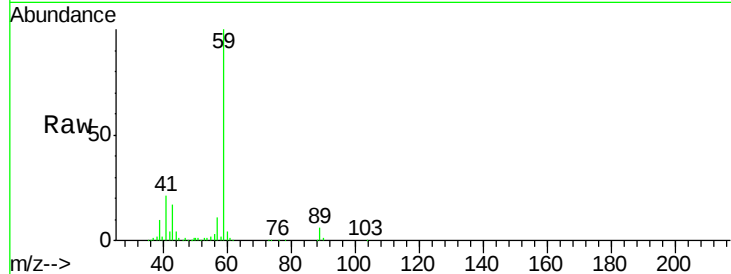
Tert butyl alcohol
Concen: 243.865 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	49498		
57	9.6		7.8	11.6

Manual Integrations
APPROVED

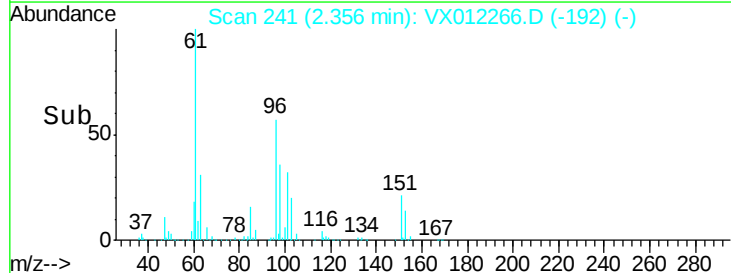
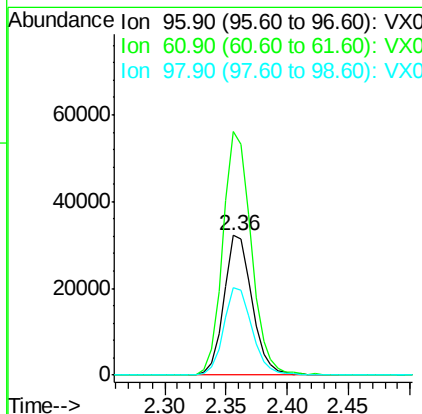
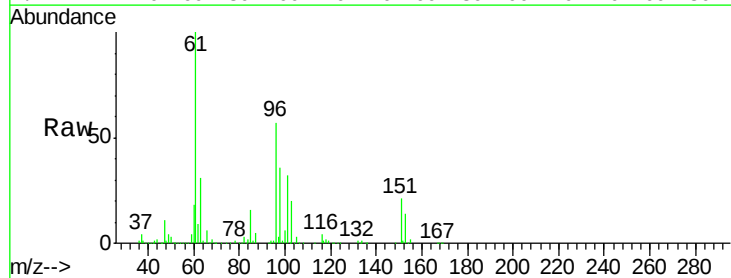
MMDadoda
9/12/2019 8:59:52 AM

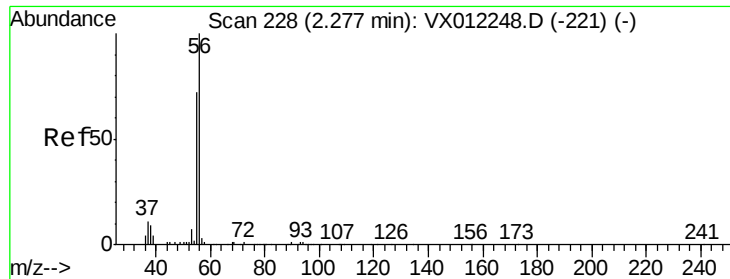


#12

1,1-Dichloroethene
Concen: 49.651 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	50750		
61	174.6		142.2	213.2
98	62.6		51.3	76.9





#13

Acrolein

Concen: 193.898 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 19357

Ion Ratio Lower Upper

56 100

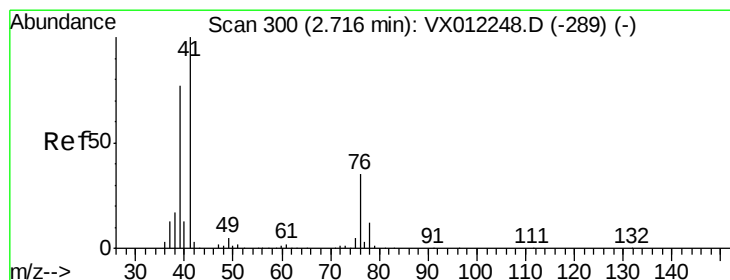
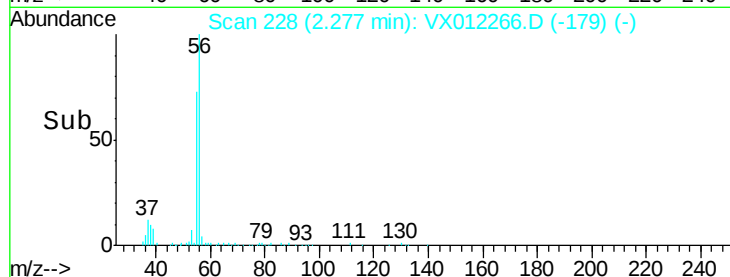
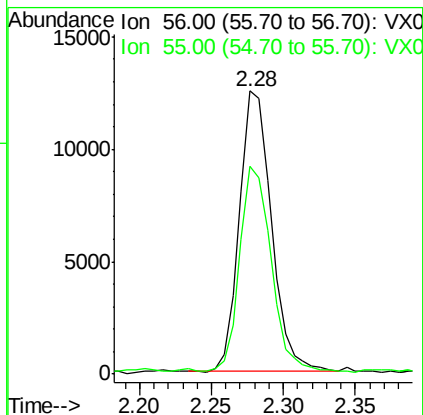
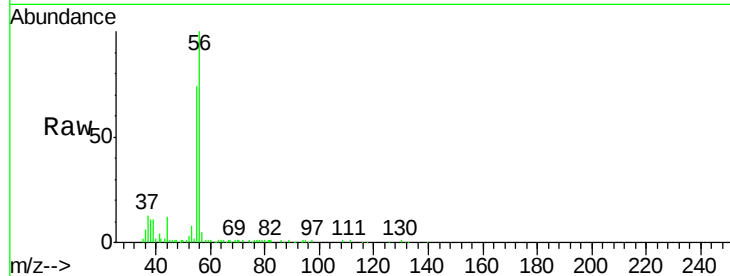
55 71.9 59.8 89.6

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#14

Allyl chloride

Concen: 49.944 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

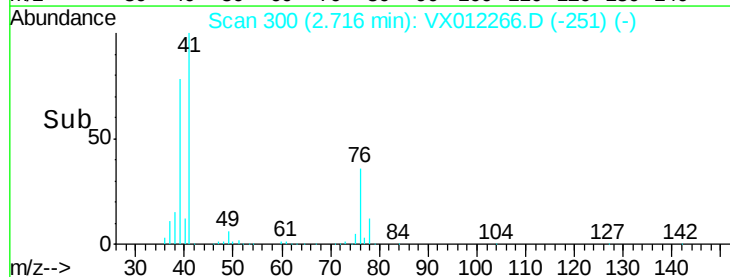
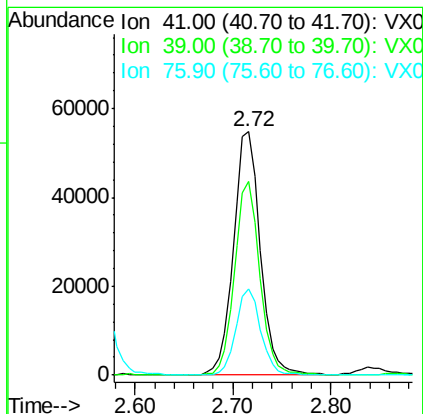
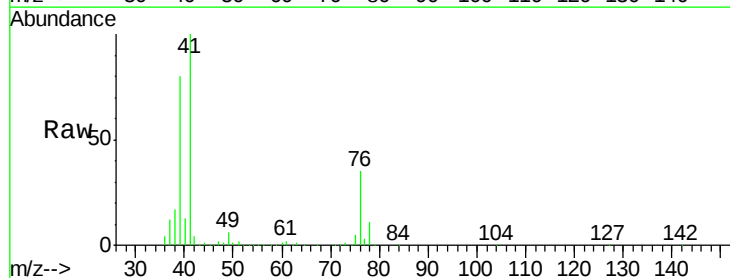
Tgt Ion: 41 Resp: 104078

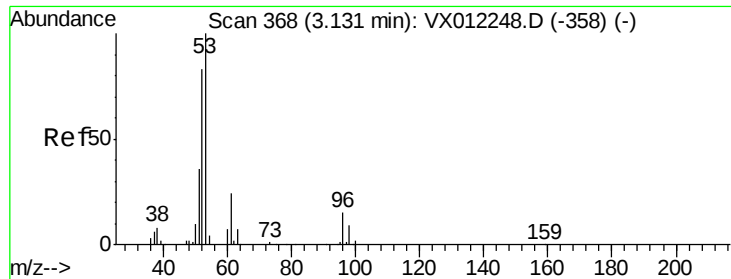
Ion Ratio Lower Upper

41 100

39 74.7 58.6 87.8

76 33.1 26.3 39.5





#15

Acrylonitrile

Concen: 266.373 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

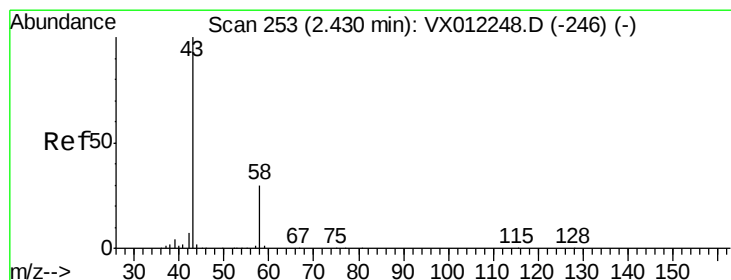
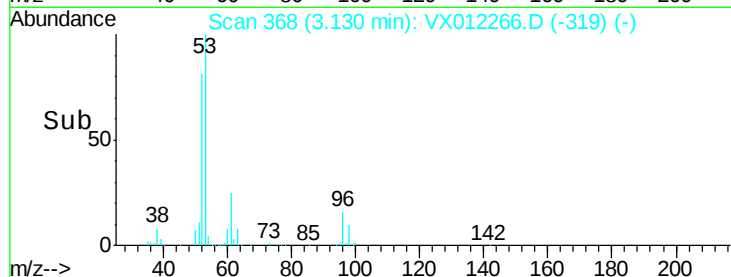
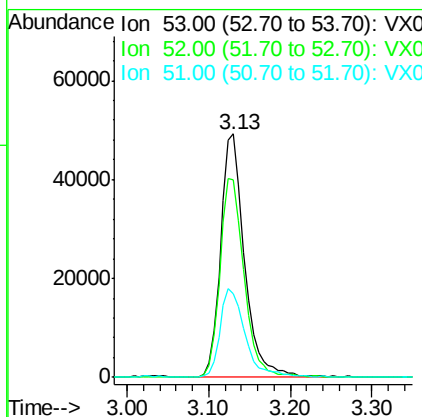
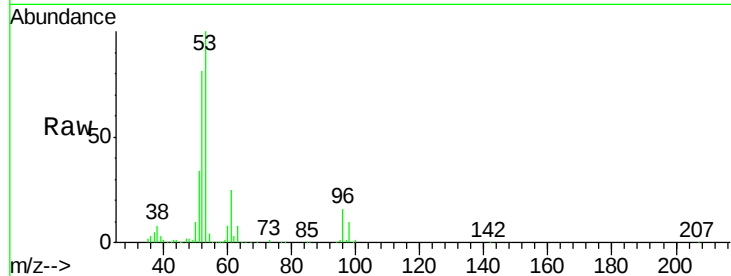
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	100370
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.8	100.2
51	38.1	30.7	46.1

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#16

Acetone

Concen: 212.691 ug/l

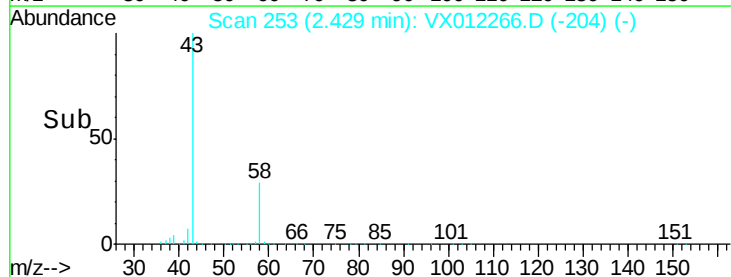
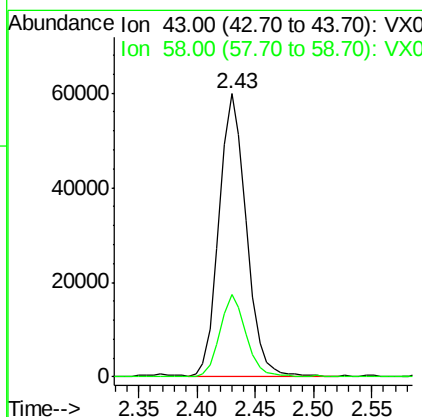
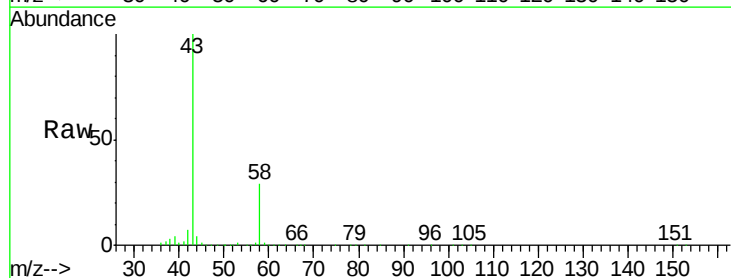
RT: 2.43 min Scan# 253

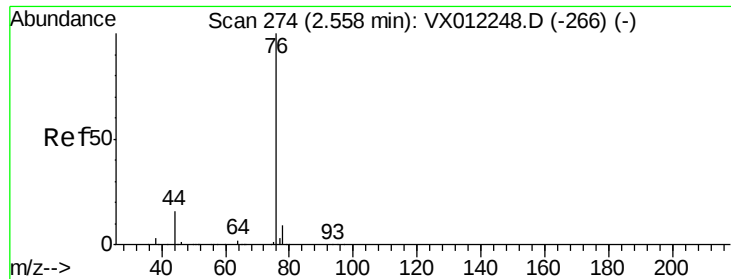
Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	43	Resp:	96156
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.6	35.4





#17

Carbon Disulfide

Concen: 48.114 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tot Ion: 76 Resp: 103272

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

Instrument :

MSVOA_X

ClientSampleId :

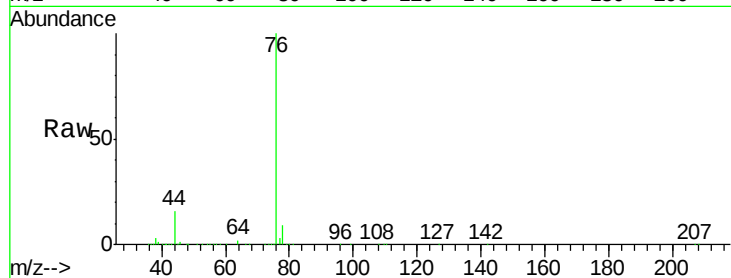
VSTDCCC050EC

Manual Integrations

APPROVED

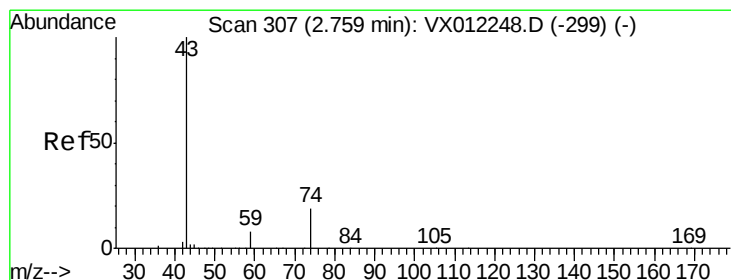
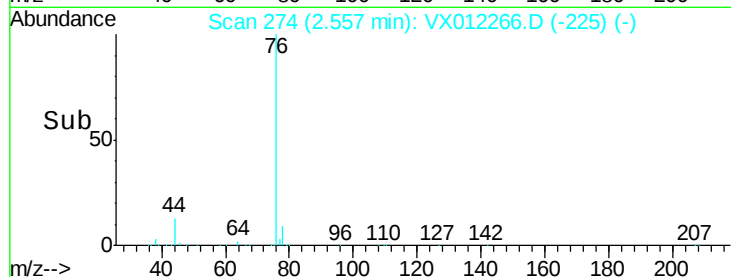
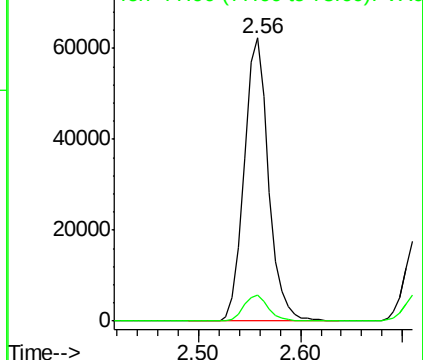
MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.259 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012266.D

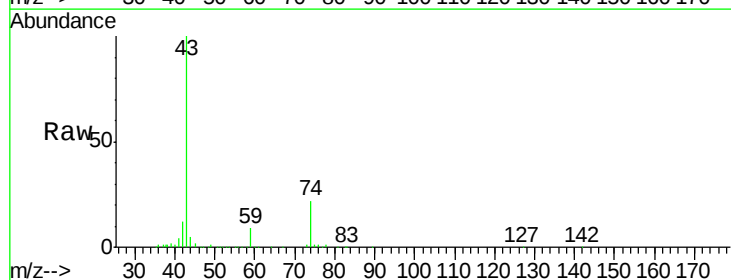
Acq: 10 Sep 2019 20:11

Tgt Ion: 43 Resp: 50609

Ion Ratio Lower Upper

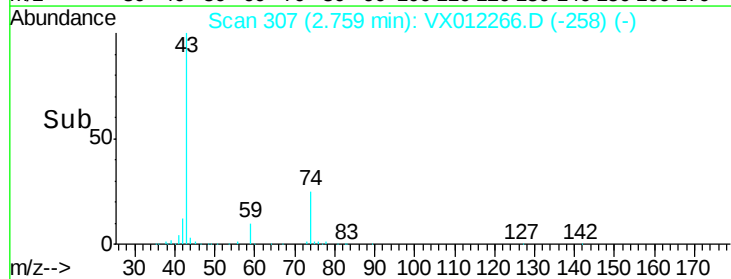
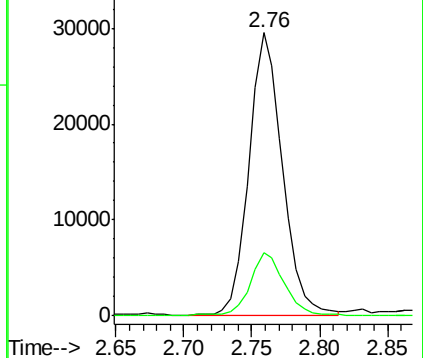
43 100

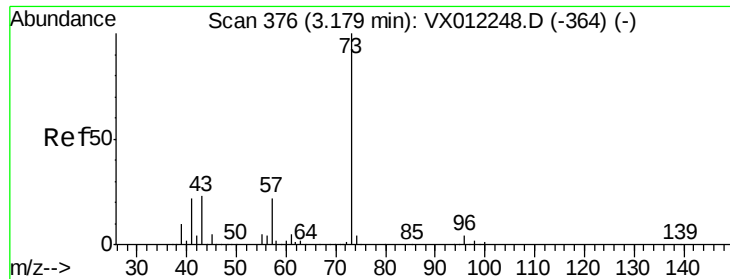
74 23.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





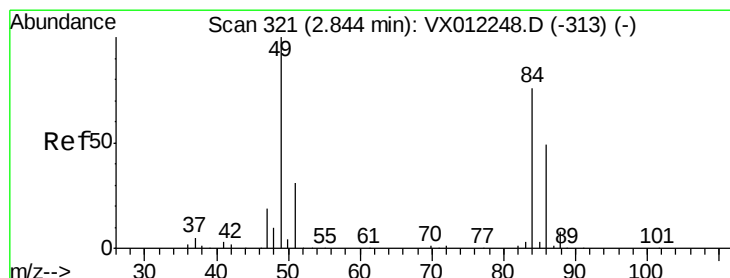
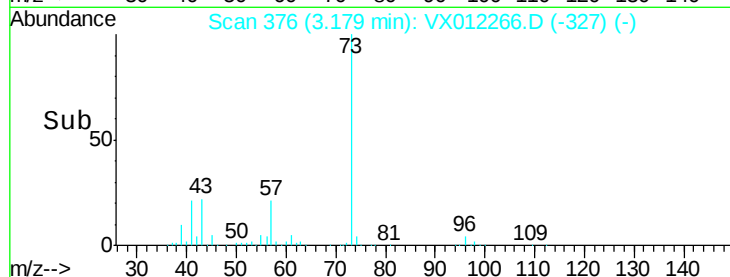
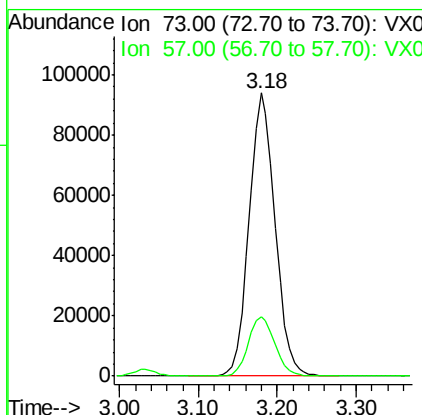
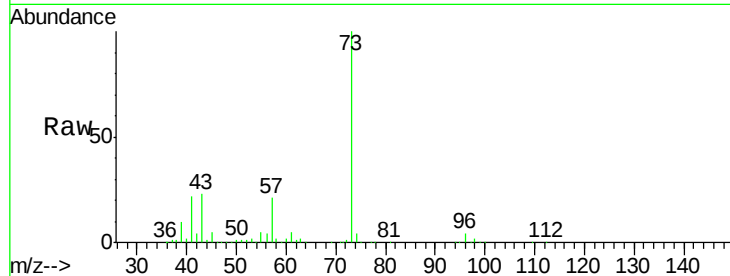
#19
Methyl tert-butyl Ether
Concen: 53.208 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	73	Resp	214775
Ion Ratio	100	Lower	Upper
73	100		
57	21.0	17.7	26.5

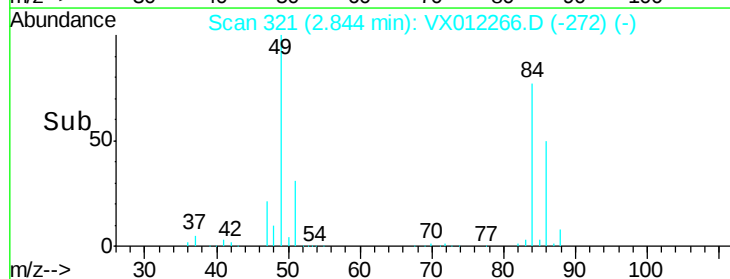
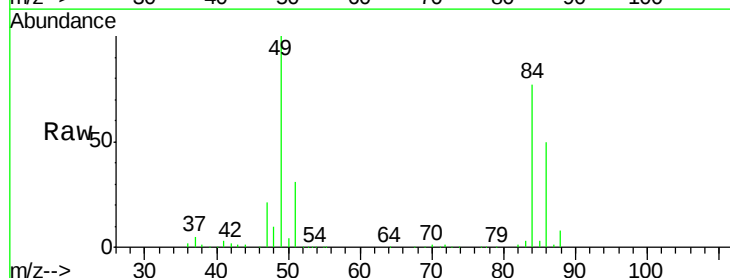
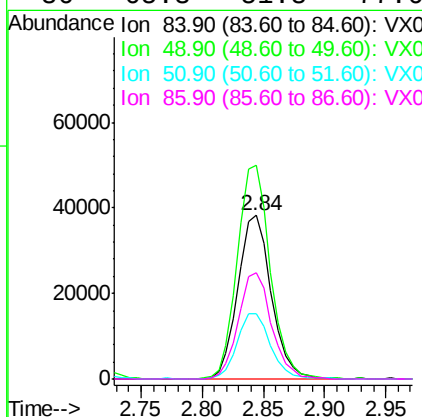
Manual Integrations
APPROVED

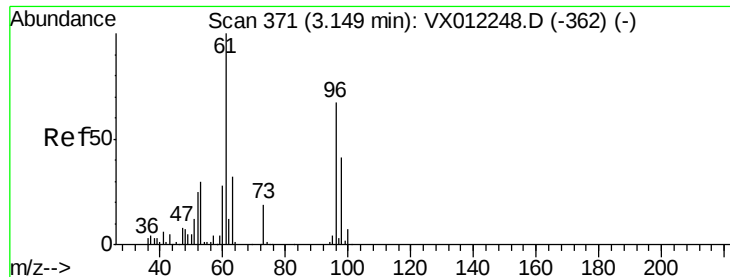
MMDadoda
9/12/2019 8:59:52 AM



#20
Methylene Chloride
Concen: 51.518 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	84	Resp	72551
Ion Ratio	100	Lower	Upper
84	100		
49	130.5	105.0	157.6
51	40.2	32.6	48.8
86	65.3	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 49.481 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

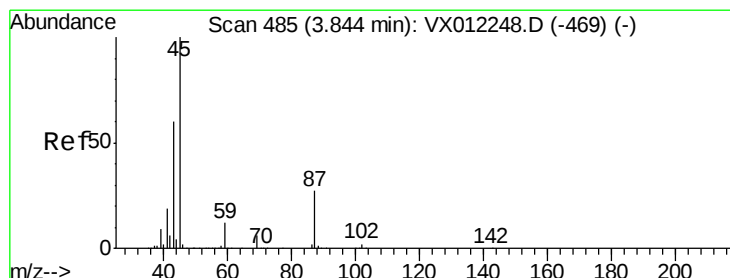
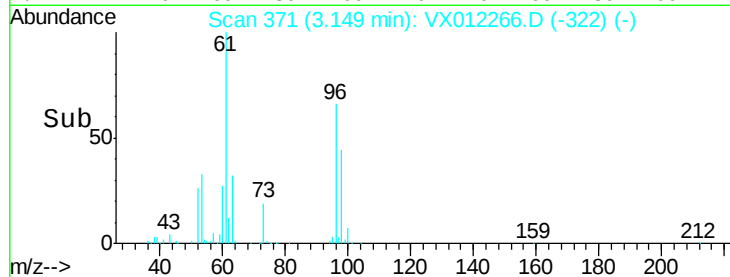
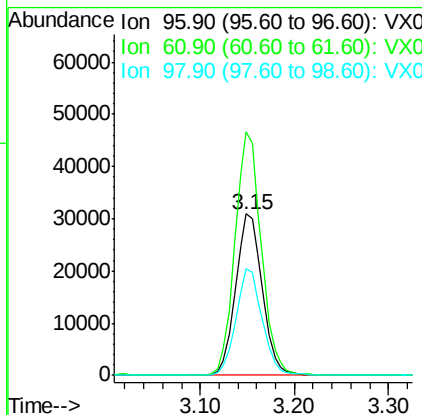
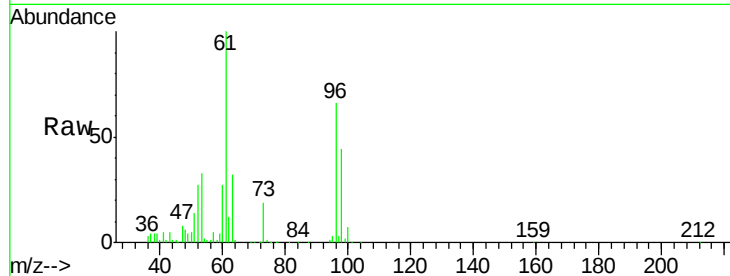
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	60341
Ion	Ratio	Lower	Upper
96	100		
61	151.1	119.4	179.2
98	66.3	48.4	72.6

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#22

Diisopropyl ether

Concen: 52.304 ug/l

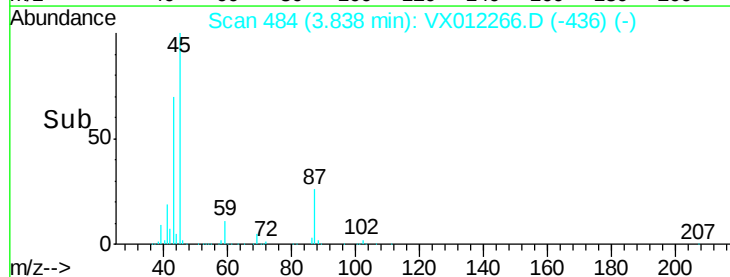
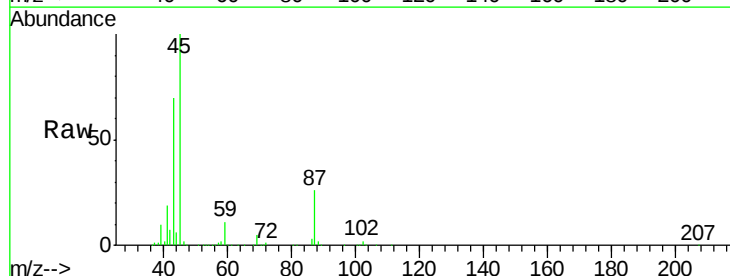
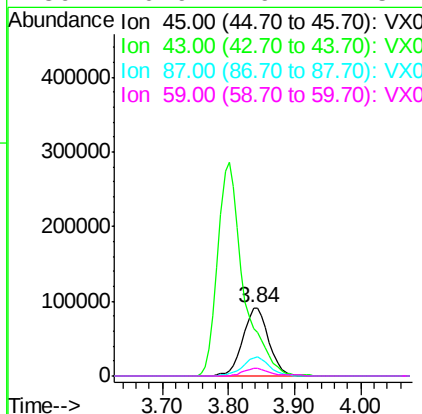
RT: 3.84 min Scan# 484

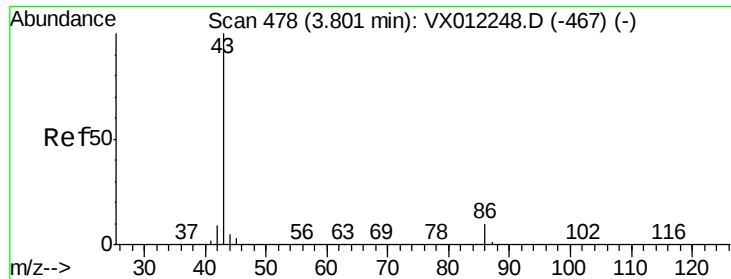
Delta R.T. -0.01 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	45	Resp:	249273
Ion	Ratio	Lower	Upper
45	100		
43	70.1	48.3	72.5
87	26.5	21.8	32.8
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 263.250 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 769751

Ion Ratio Lower Upper

43 100

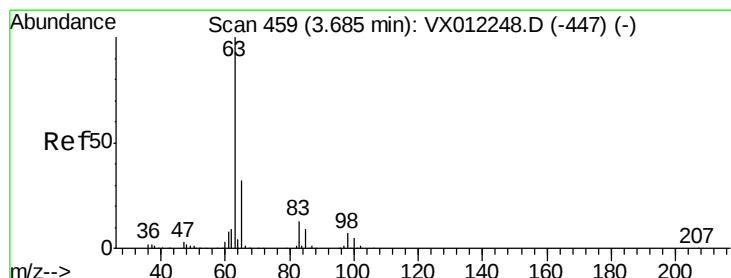
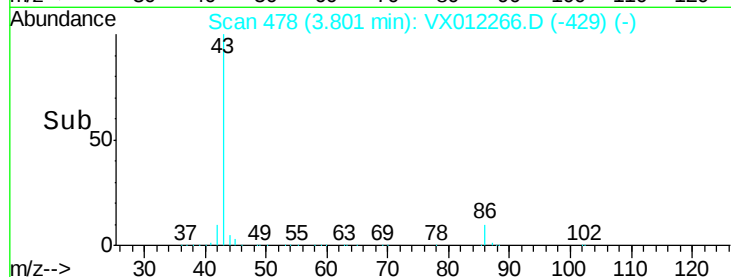
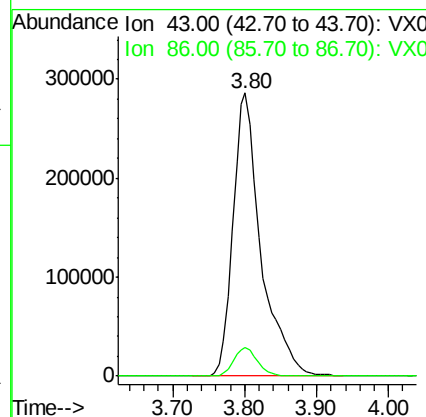
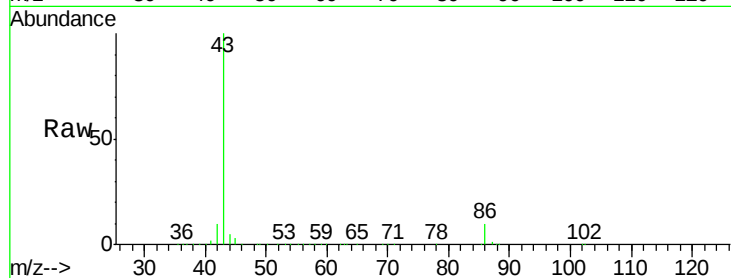
86 10.2 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#24

1,1-Dichloroethane

Concen: 51.748 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

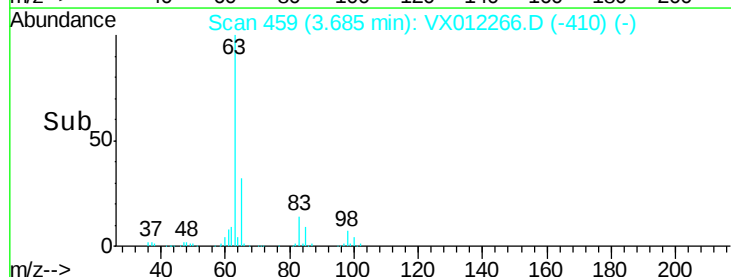
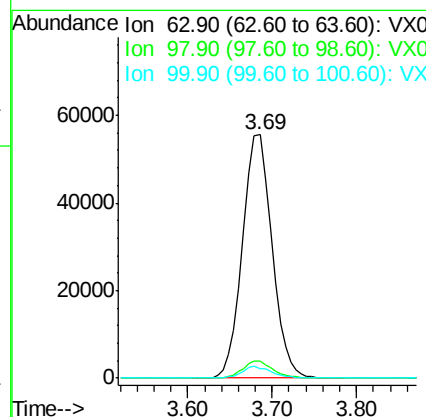
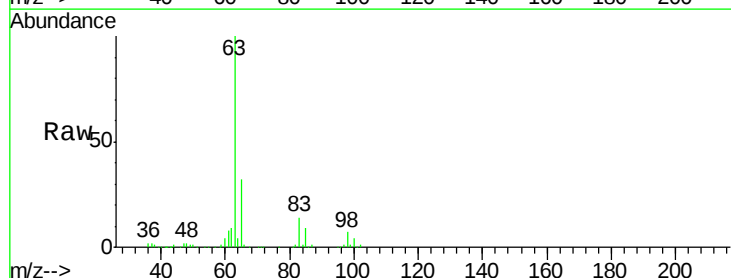
Tgt Ion: 63 Resp: 132101

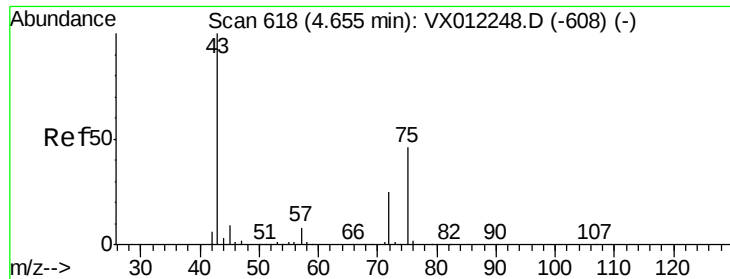
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 3.9 2.4 7.2





#25

2-Butanone

Concen: 245.784 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 142047

Ion Ratio Lower Upper

43 100

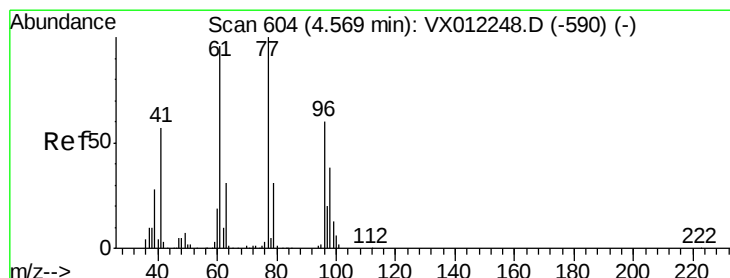
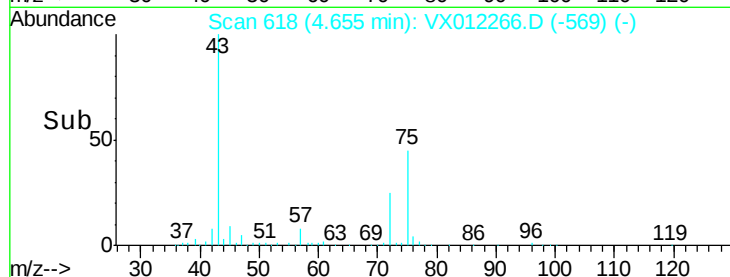
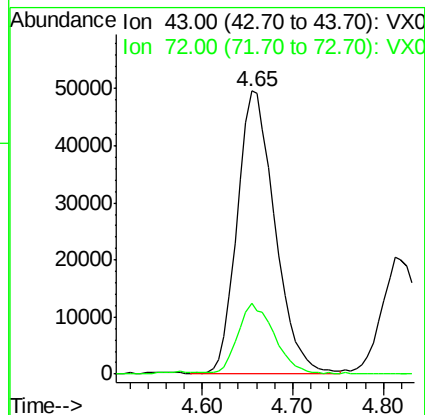
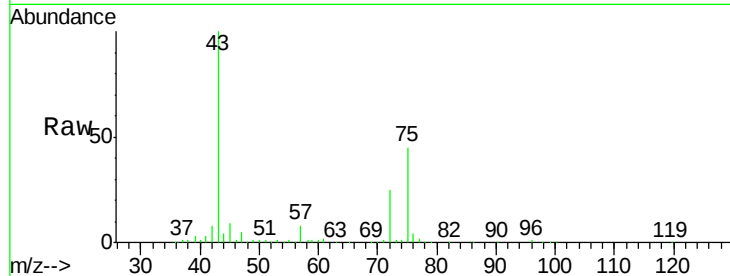
72 24.8 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#26

2,2-Dichloropropane

Concen: 45.952 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012266.D

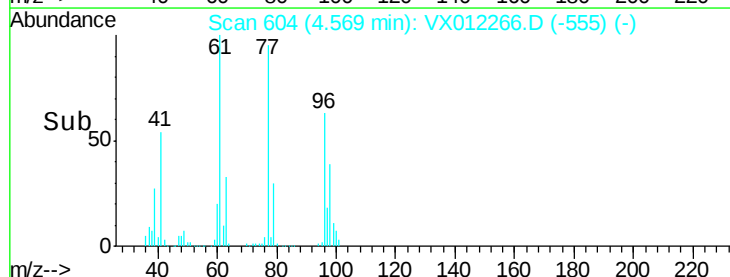
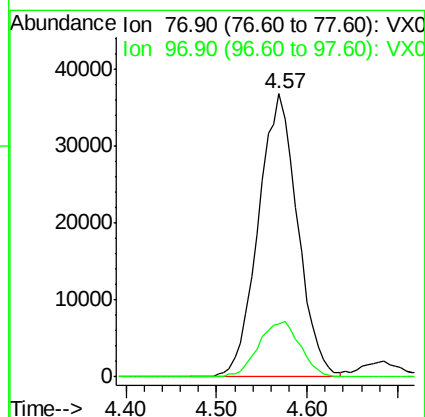
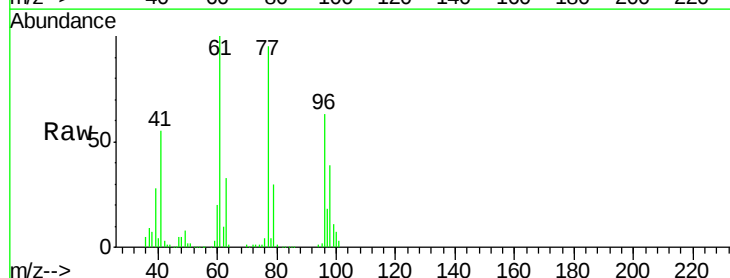
Acq: 10 Sep 2019 20:11

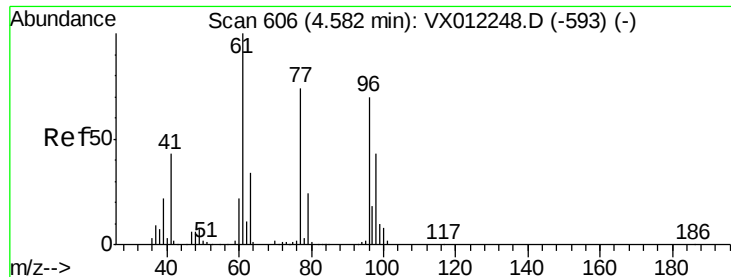
Tgt Ion: 77 Resp: 110133

Ion Ratio Lower Upper

77 100

97 20.8 10.7 32.1





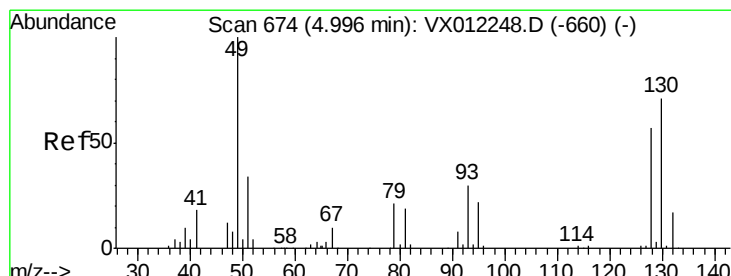
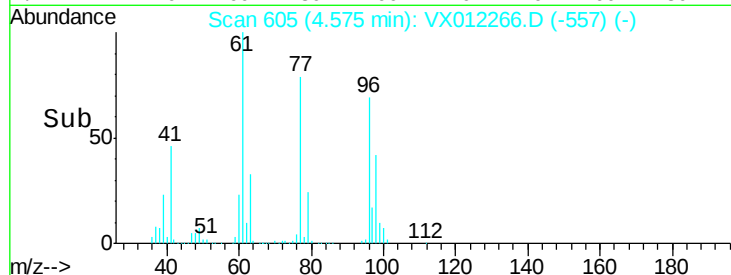
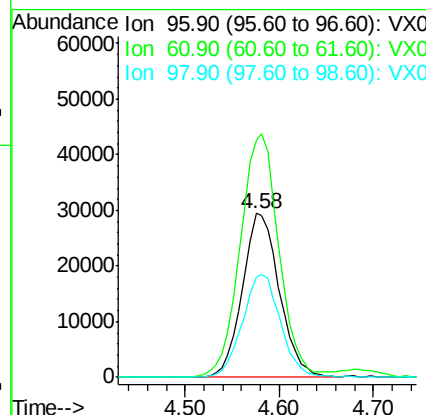
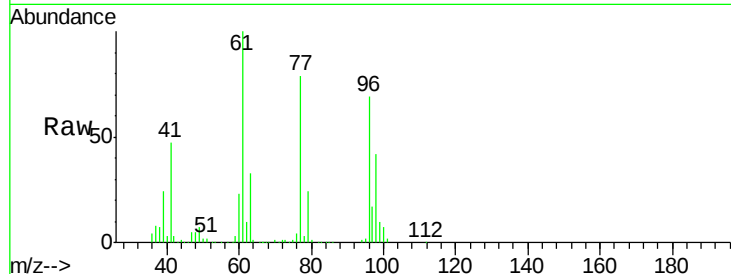
#27
 cis-1,2-Dichloroethene
 Concen: 51.586 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.1	0.0	310.4	
98	64.3	0.0	128.8	

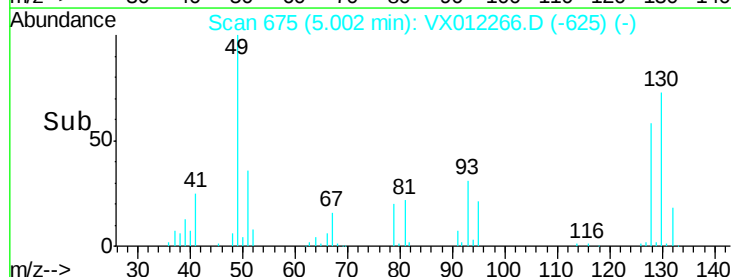
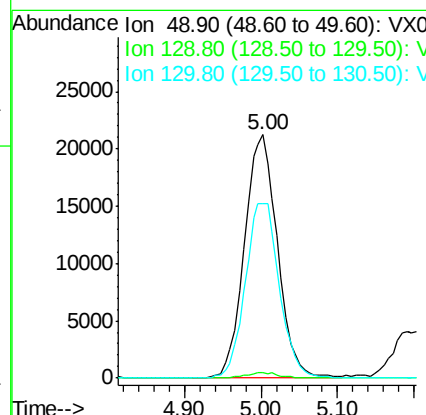
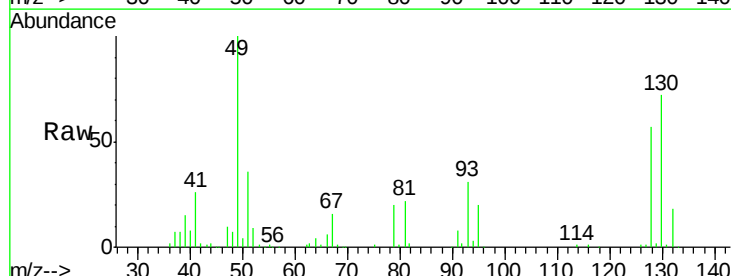
Manual Integrations
 APPROVED

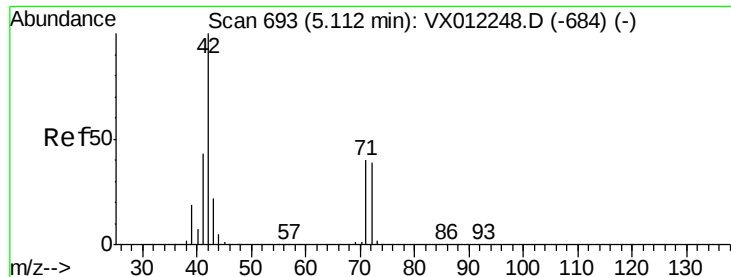
MMDadoda
 9/12/2019 8:59:52 AM



#28
 Bromochloromethane
 Concen: 52.635 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	5.2	
130	75.1	60.1	90.1	





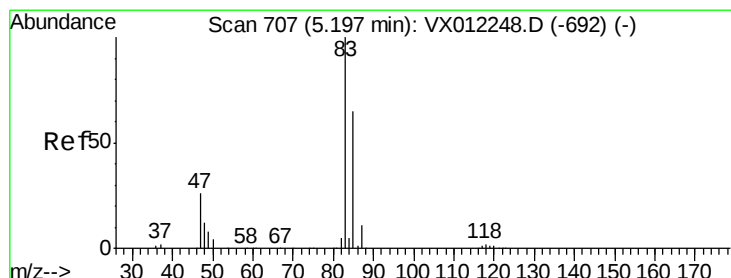
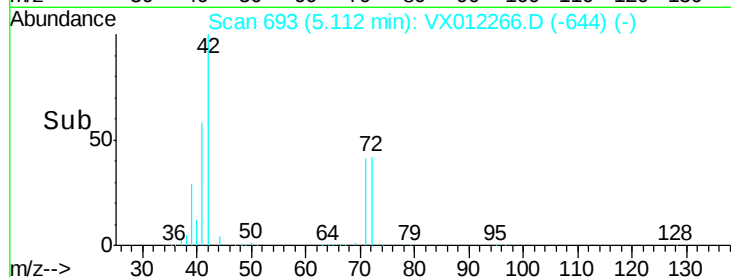
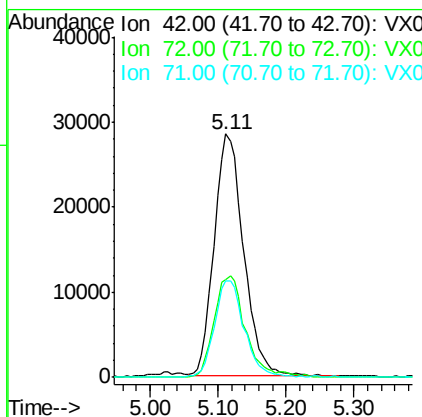
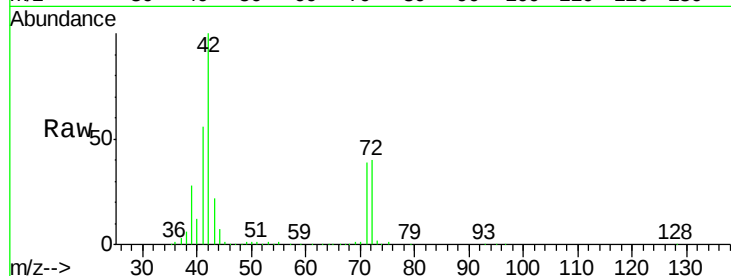
#29
Tetrahydrofuran
Concen: 276.339 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.2	52.8
71	40.1	32.5	48.7

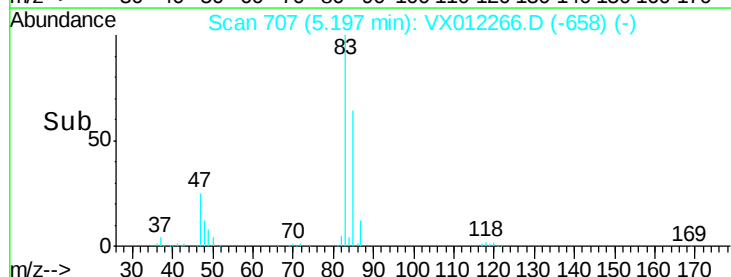
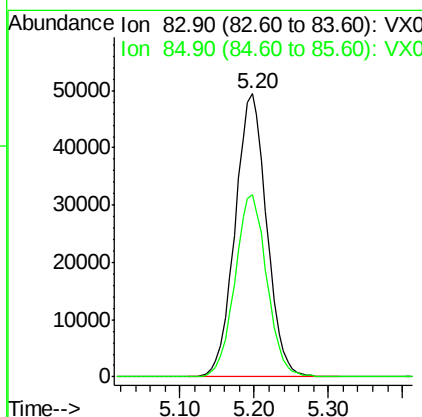
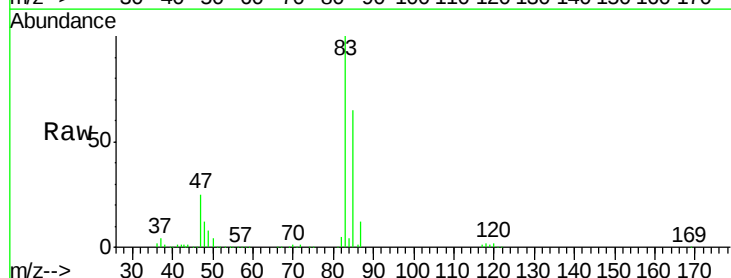
Manual Integrations
APPROVED

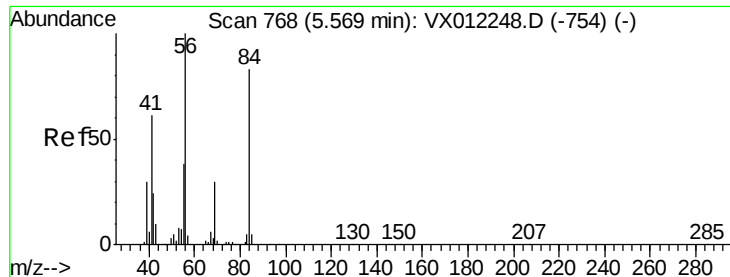
MMDadoda
9/12/2019 8:59:52 AM



#30
Chloroform
Concen: 51.079 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





#31

Cyclohexane

Concen: 47.787 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

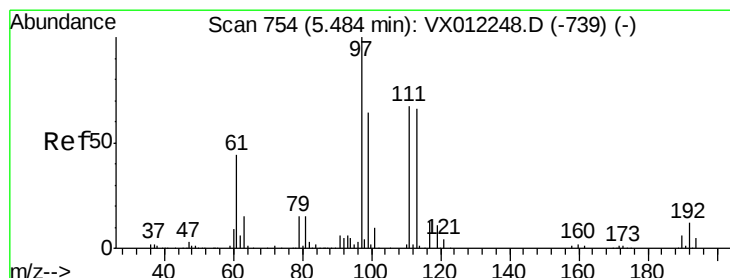
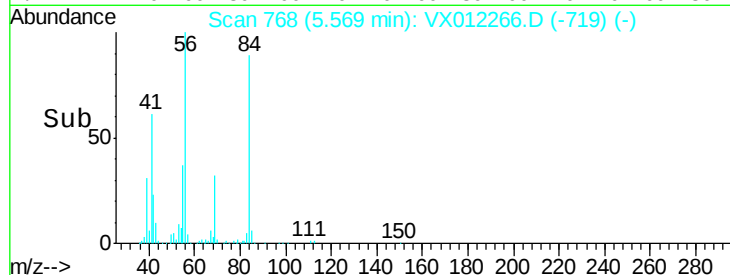
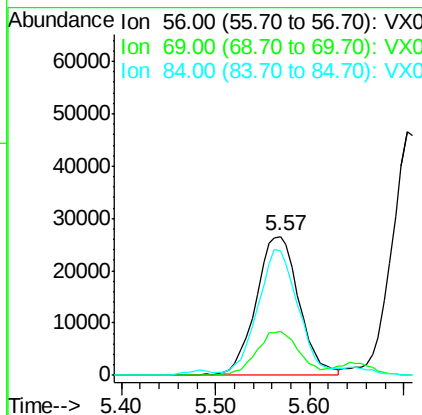
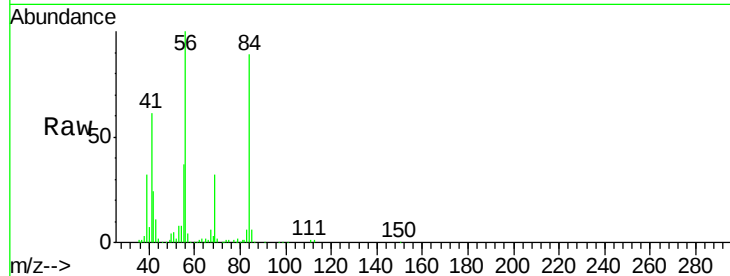
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	84740
Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.8	35.6
84	86.5	66.6	100.0

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#32

1,1,1-Trichloroethane

Concen: 49.131 ug/l

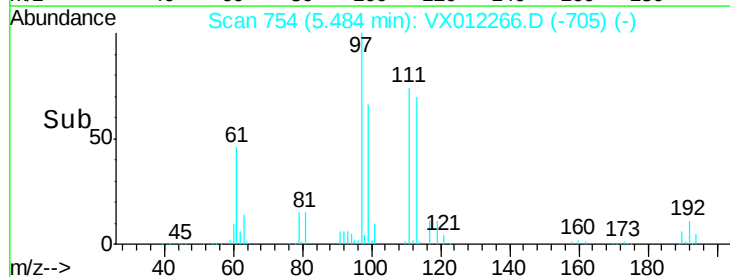
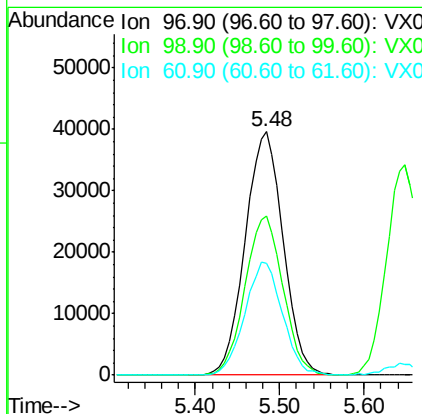
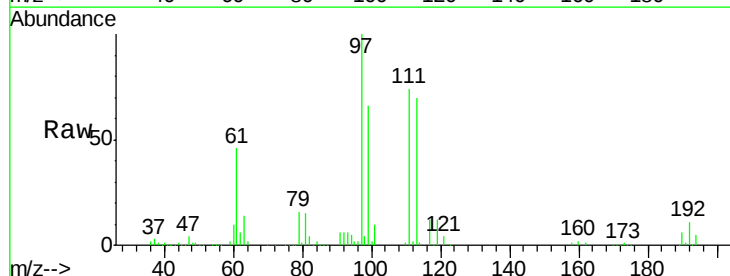
RT: 5.48 min Scan# 754

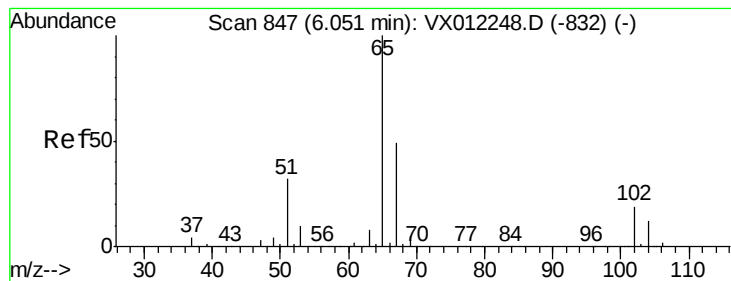
Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	97	Resp:	121441
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.3	76.9
61	45.9	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 53.202 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 101602

Ion Ratio Lower Upper

65 100

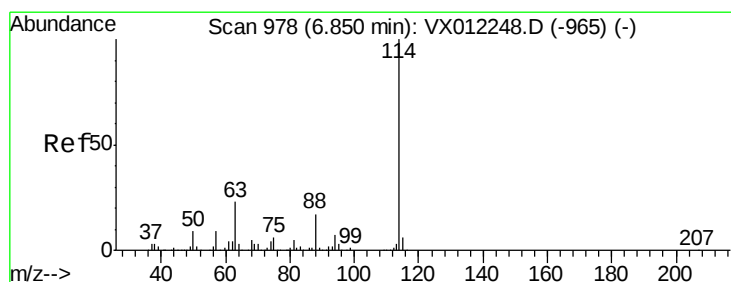
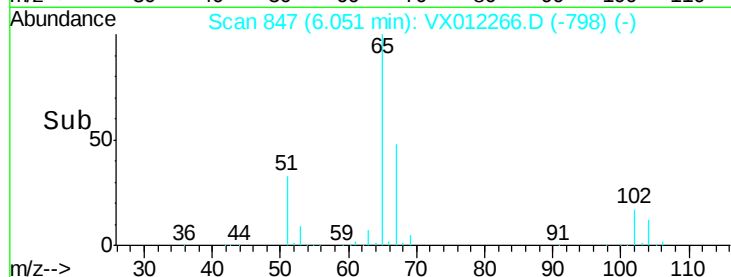
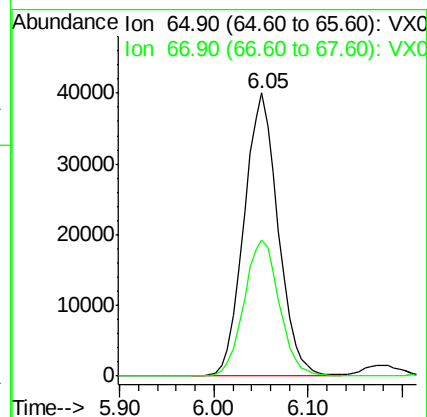
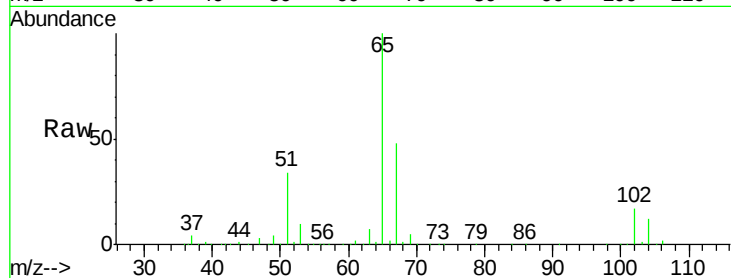
67 49.9 0.0 99.8

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

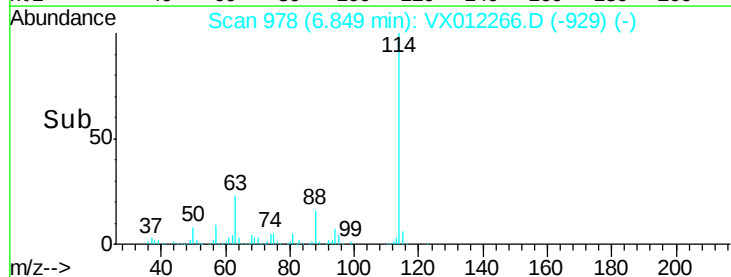
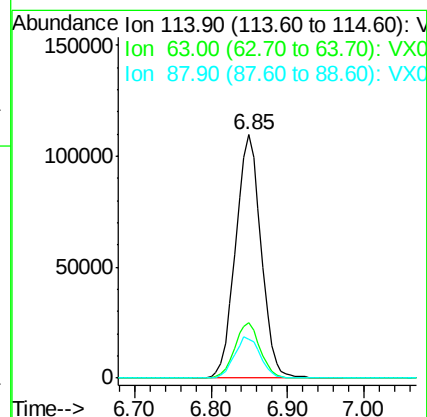
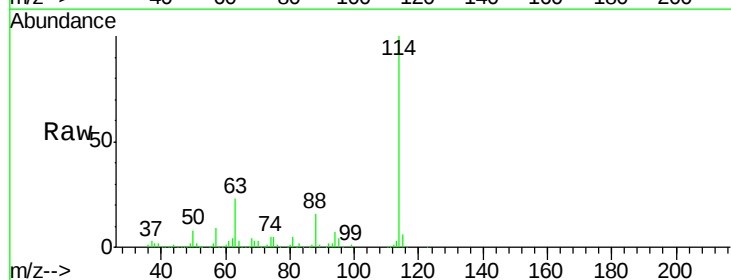
Tgt Ion: 114 Resp: 253407

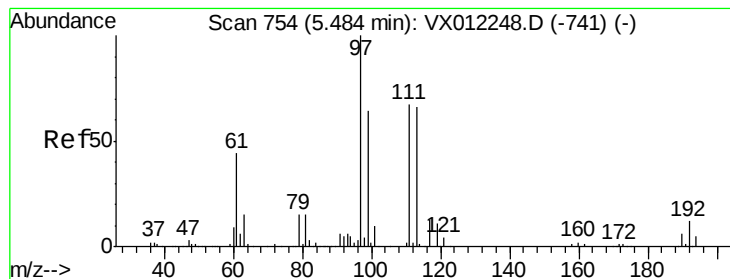
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.2

88 15.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.935 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

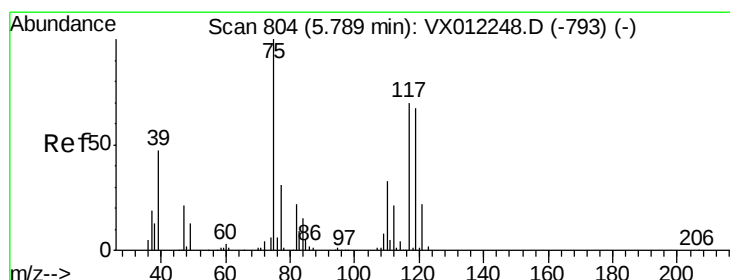
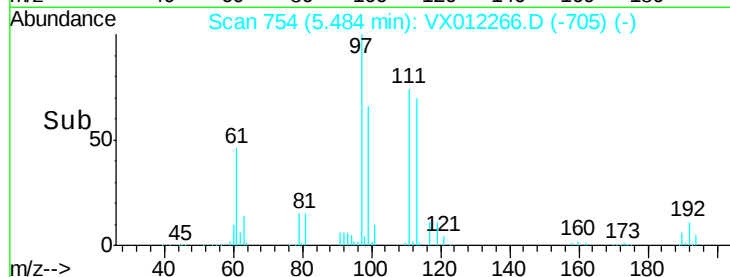
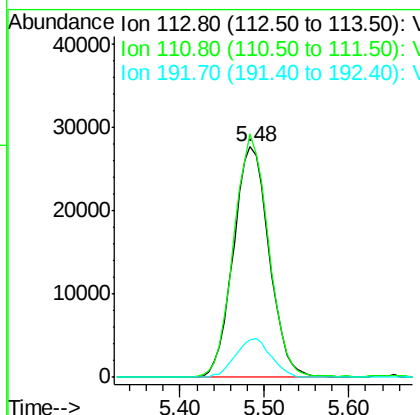
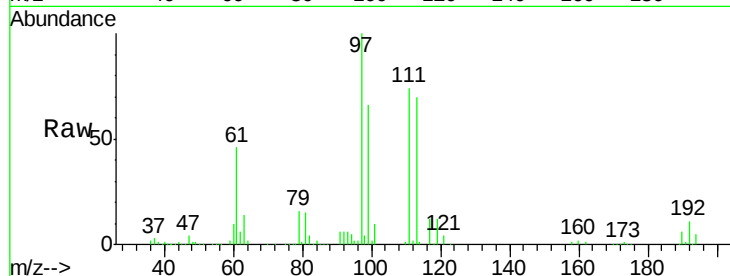
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	79492
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.0	124.6
192	16.8	14.3	21.5

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#36

1,1-Dichloropropene

Concen: 46.944 ug/l

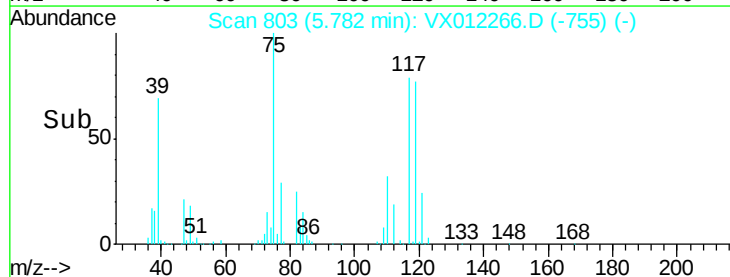
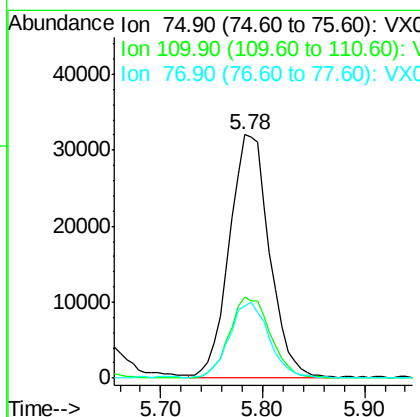
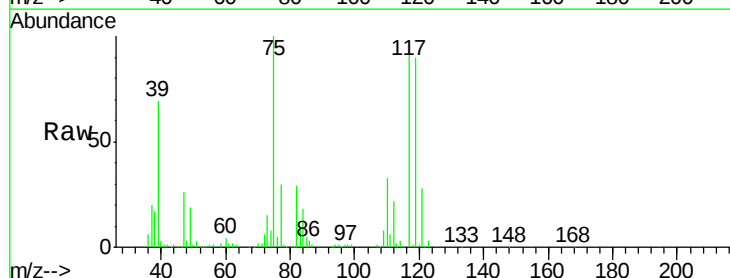
RT: 5.78 min Scan# 803

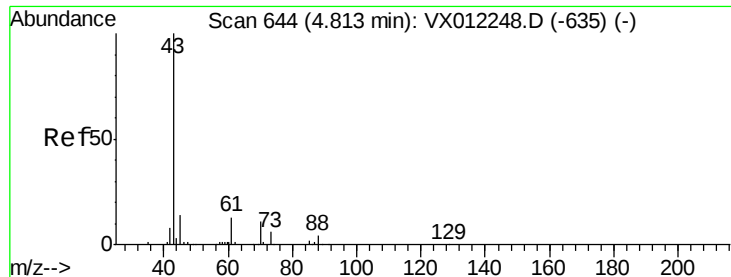
Delta R.T. -0.01 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	75	Resp:	86741
Ion Ratio	Lower	Upper	
75	100		
110	34.3	16.8	50.4
77	31.5	24.5	36.7





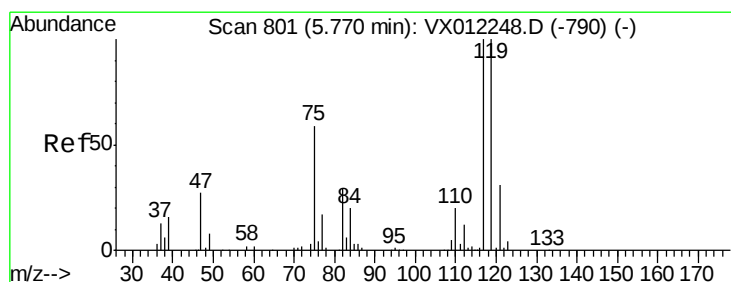
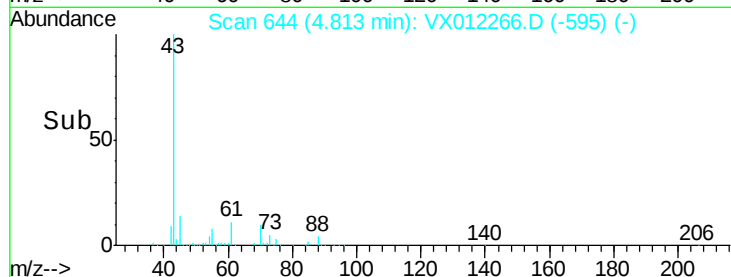
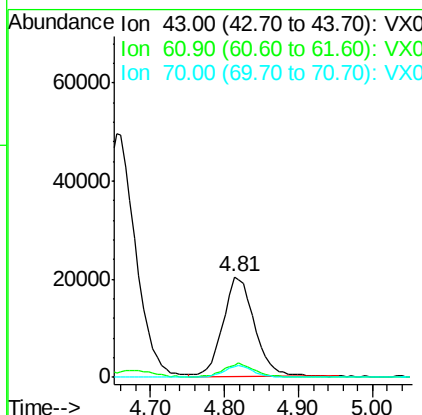
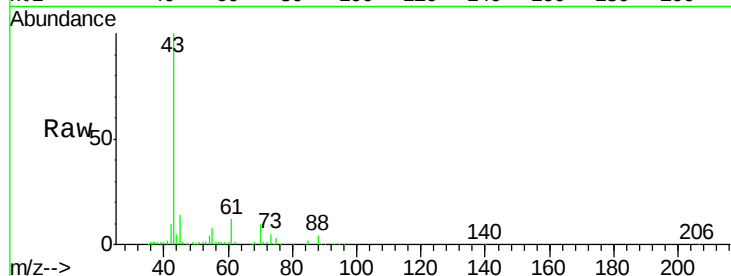
#37
Ethyl Acetate
Concen: 52.652 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.3	15.5
70	11.3	9.1	13.7

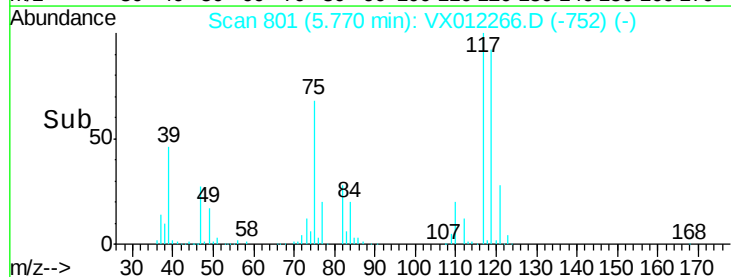
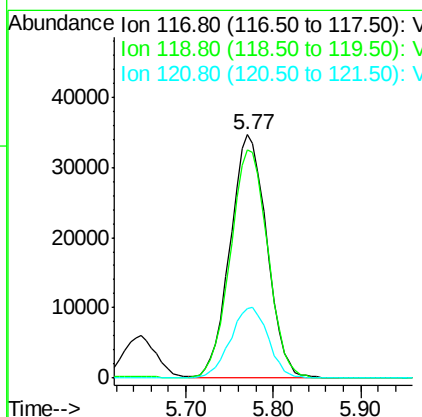
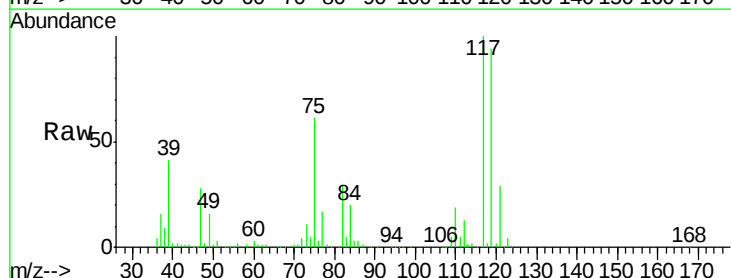
Manual Integrations
APPROVED

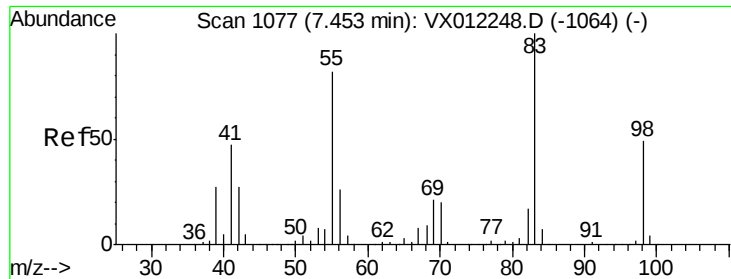
MMDadoda
9/12/2019 8:59:52 AM



#38
Carbon Tetrachloride
Concen: 46.580 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	79.6	119.4
121	28.6	24.7	37.1





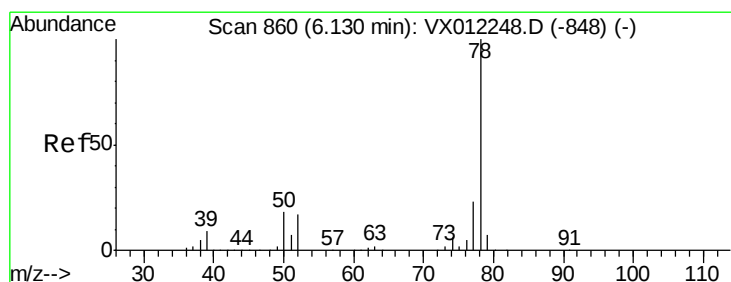
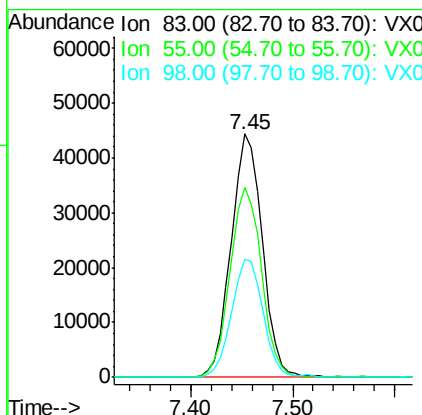
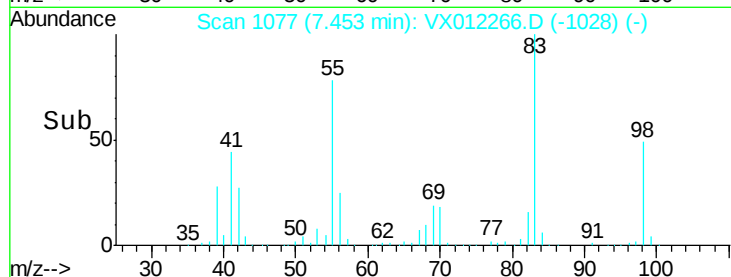
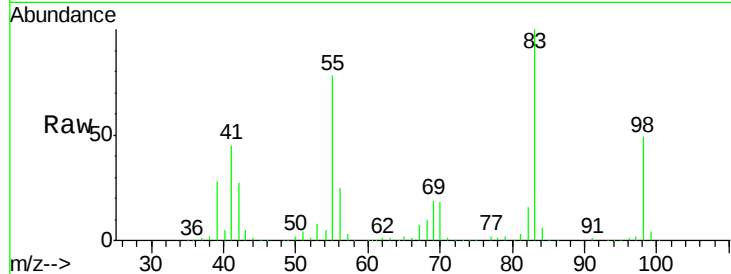
#39
Methvlcvclohexane
Concen: 46.476 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	65.4	98.2
98	48.6	39.6	59.4

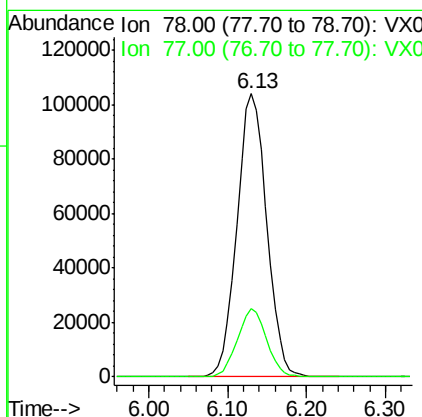
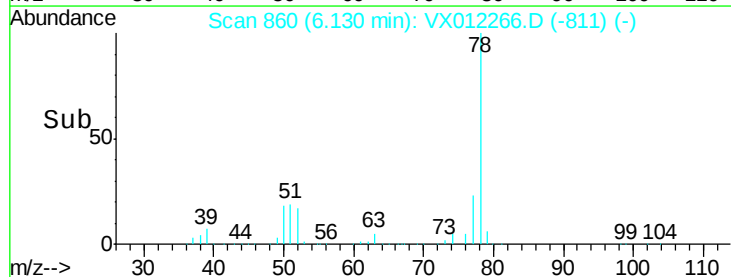
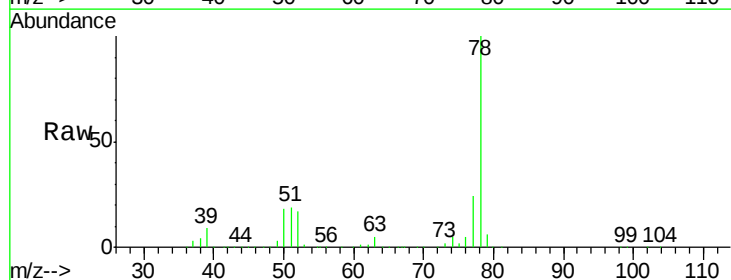
Manual Integrations
APPROVED

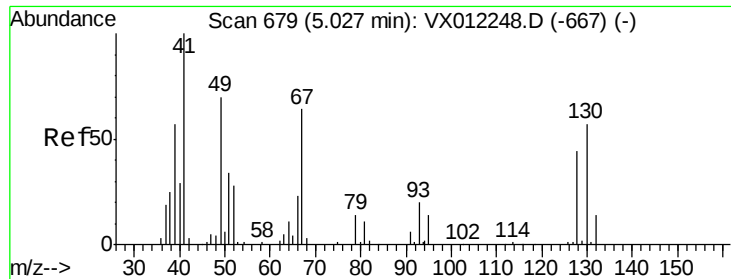
MMDadoda
9/12/2019 8:59:52 AM



#40
Benzene
Concen: 48.891 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.0	27.0





#41

Methacrylonitrile

Concen: 53.721 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 37828

Ion Ratio Lower Upper

41 100

39 55.2 49.0 73.4

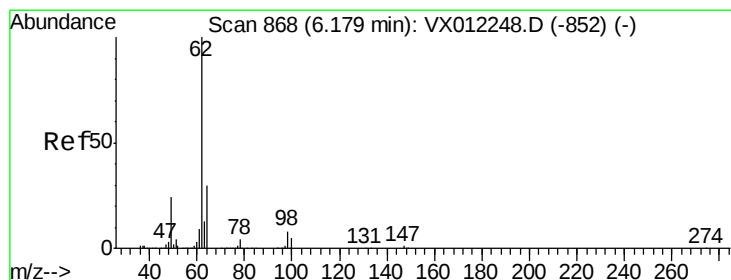
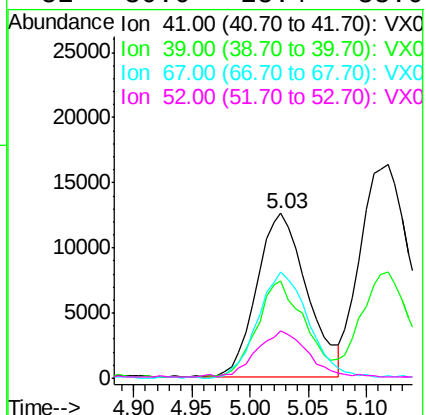
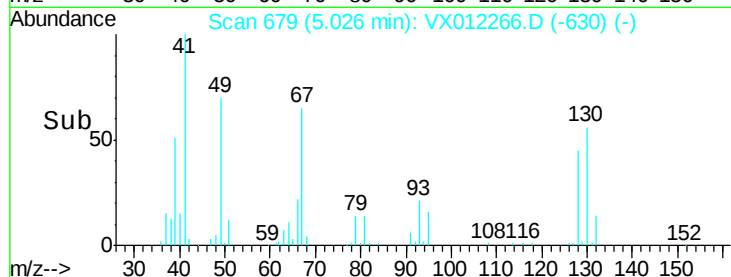
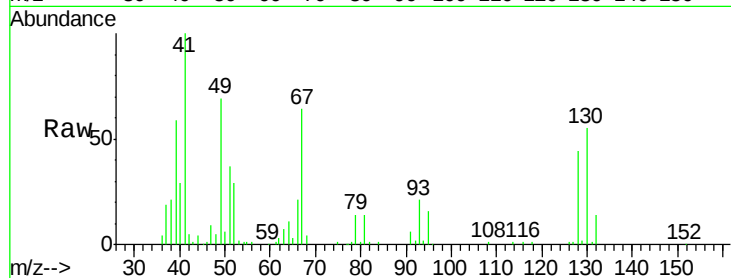
67 65.3 55.0 82.4

52 30.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#42

1,2-Dichloroethane

Concen: 49.960 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012266.D

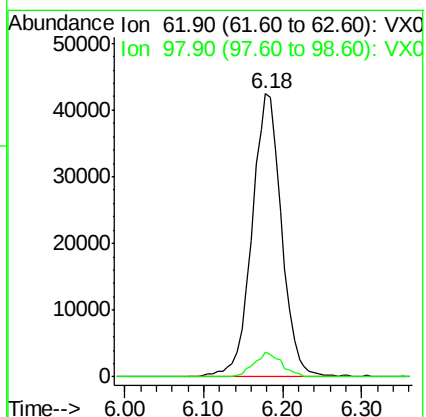
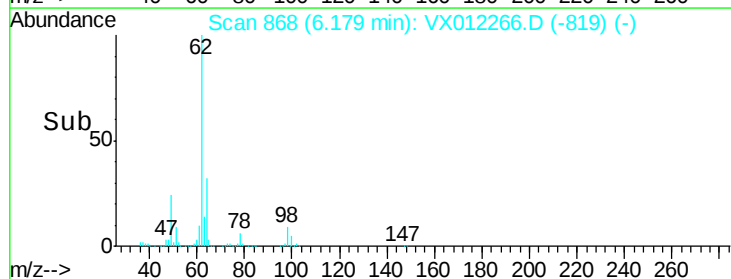
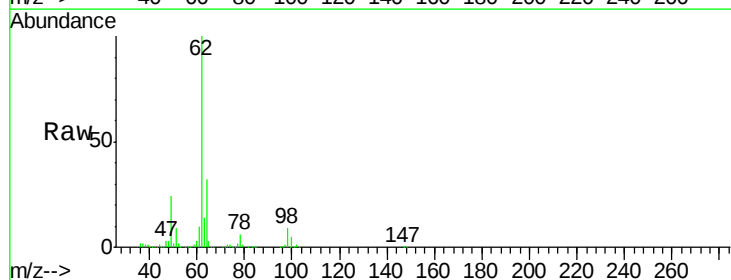
Acq: 10 Sep 2019 20:11

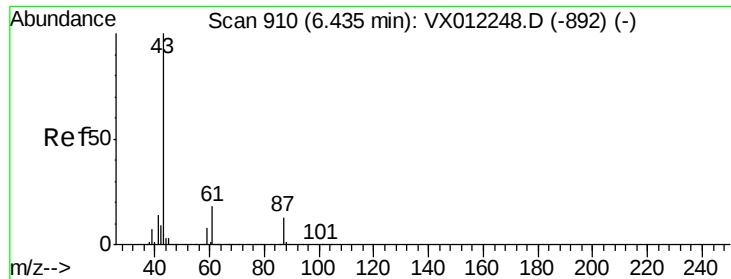
Tgt Ion: 62 Resp: 110427

Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.2





#43

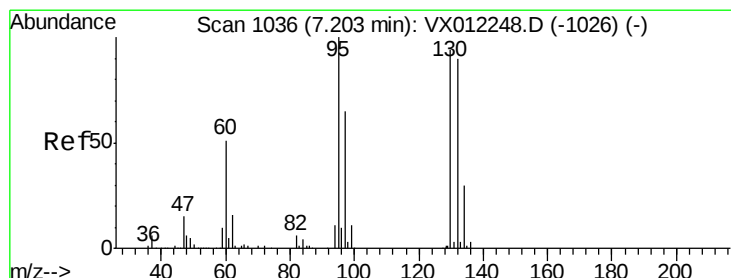
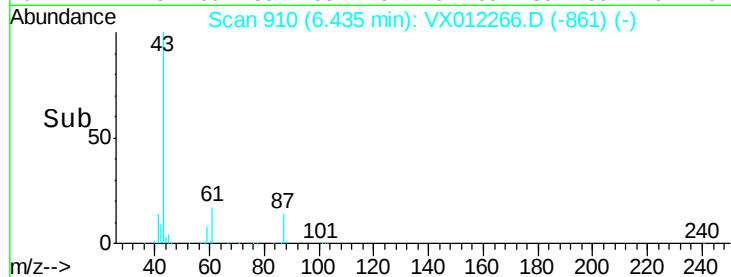
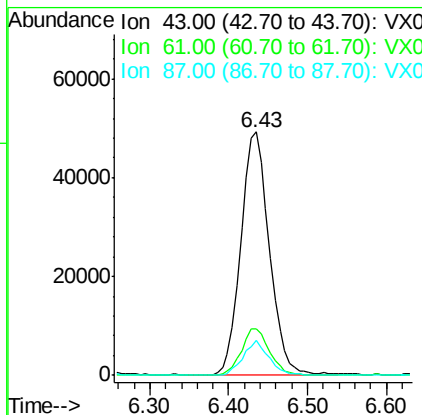
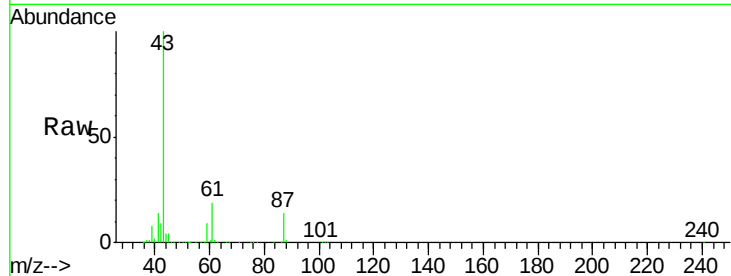
Isopropyl Acetate
 Concen: 51.296 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.2
87	13.0	10.5	15.7

Manual Integrations
 APPROVED

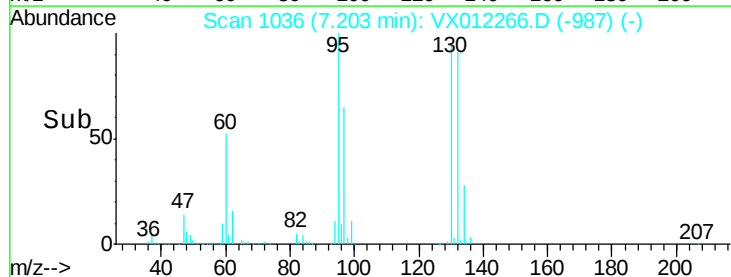
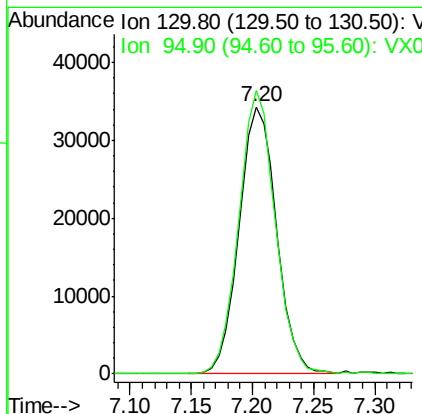
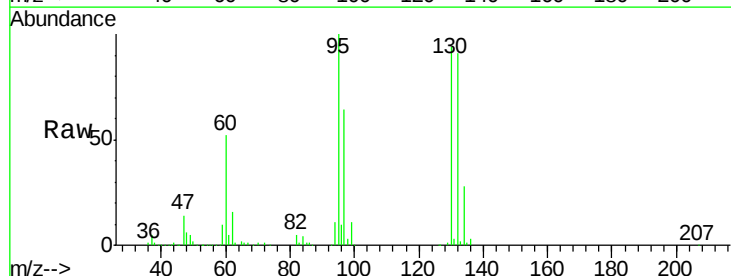
MMDadoda
 9/12/2019 8:59:52 AM

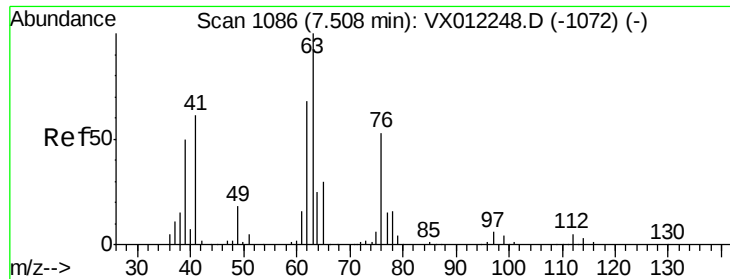


#44

Trichloroethene
 Concen: 48.159 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	212.0





#45

1,2-Dichloropropane

Concen: 49.443 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 76536

Ion Ratio Lower Upper

63 100

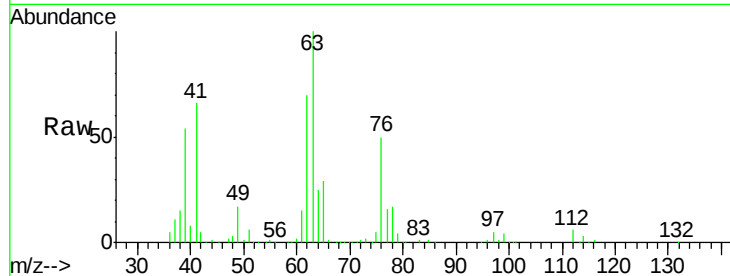
65 28.9 24.3 36.5

Manual Integrations

APPROVED

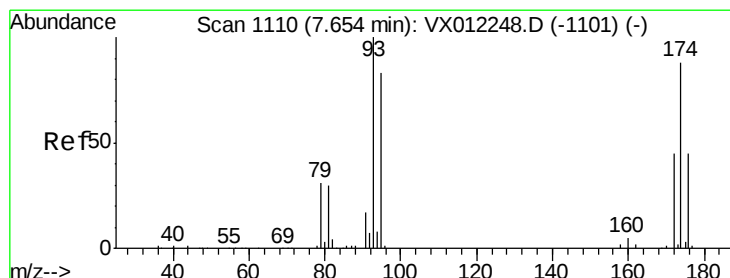
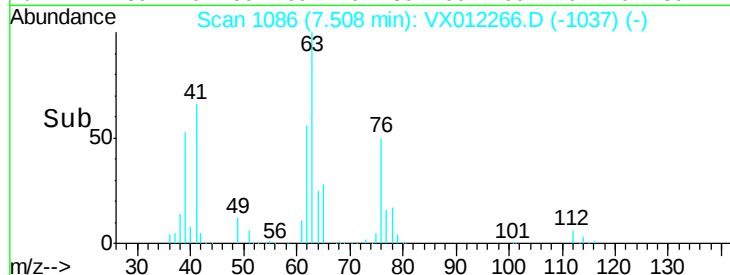
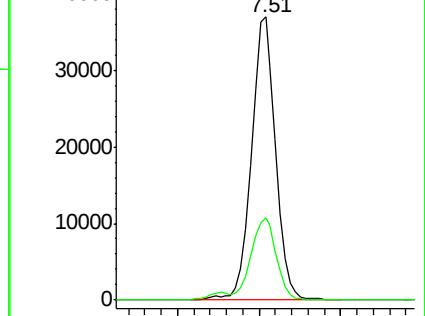
MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.675 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

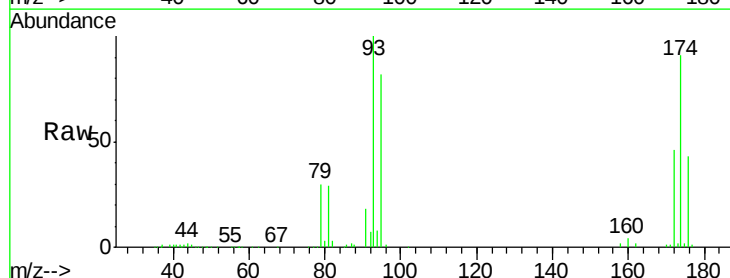
Tgt Ion: 93 Resp: 43718

Ion Ratio Lower Upper

93 100

95 82.3 65.7 98.5

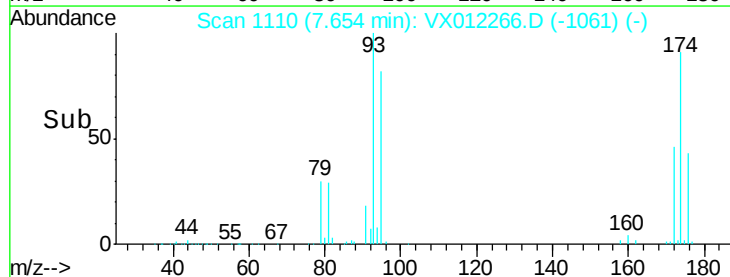
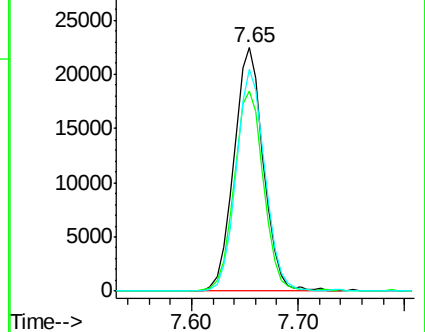
174 88.8 71.0 106.4

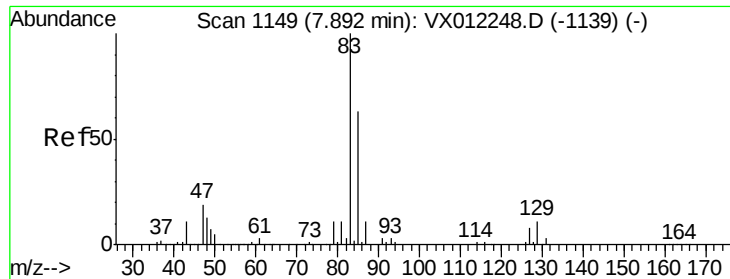


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.021 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

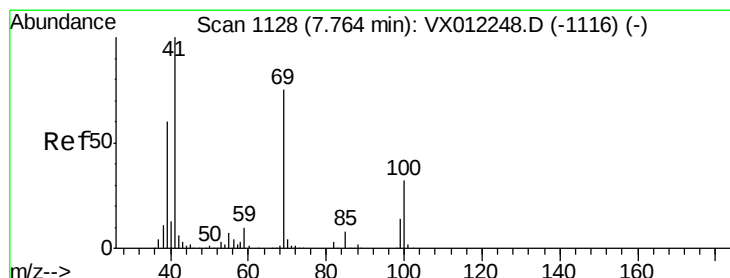
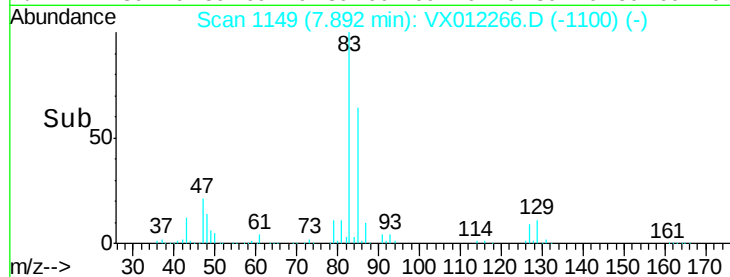
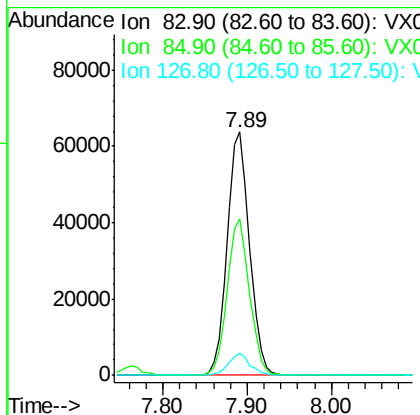
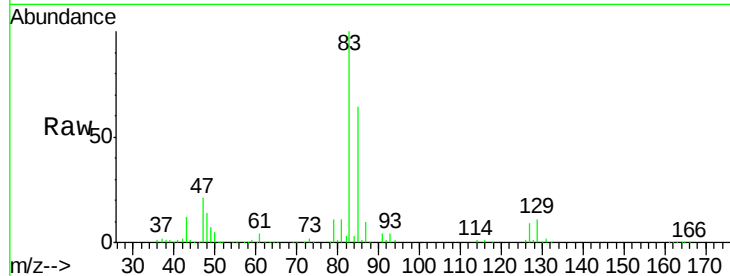
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115488
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.4
127	9.0	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#48

Methyl methacrylate

Concen: 51.818 ug/l

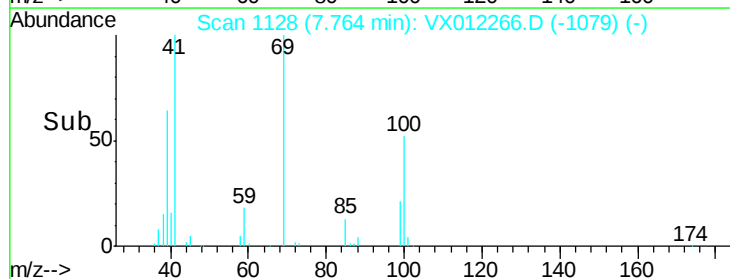
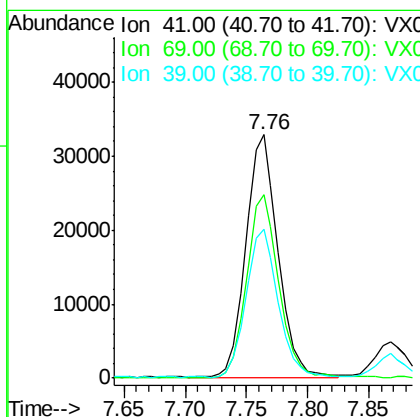
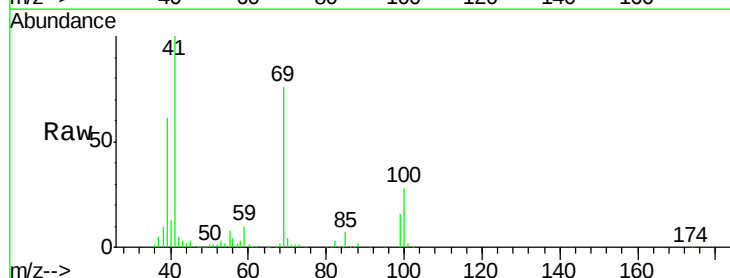
RT: 7.76 min Scan# 1128

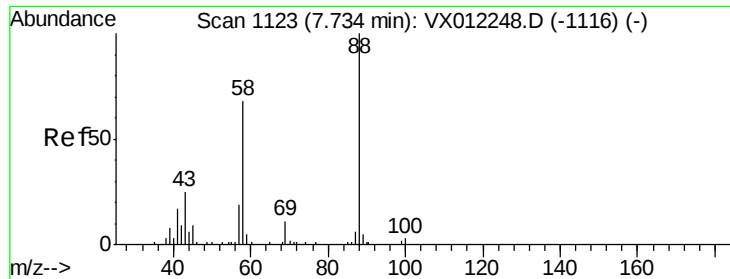
Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	41	Resp:	59729
Ion	Ratio	Lower	Upper
41	100		
69	76.2	61.8	92.6
39	60.8	48.6	73.0





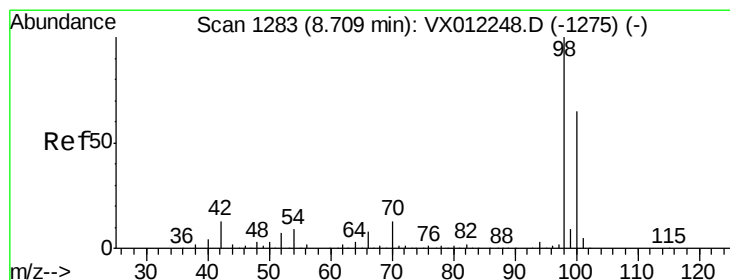
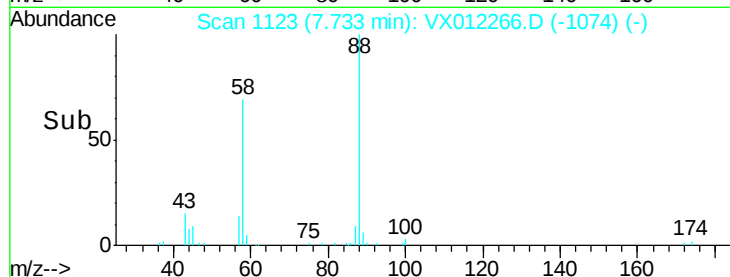
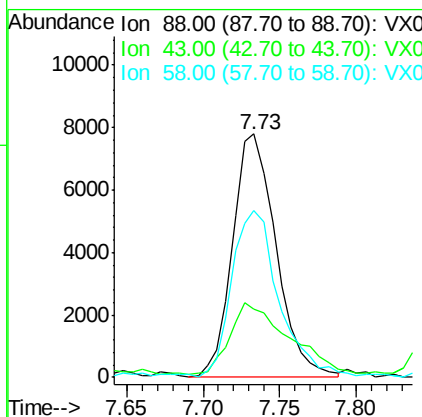
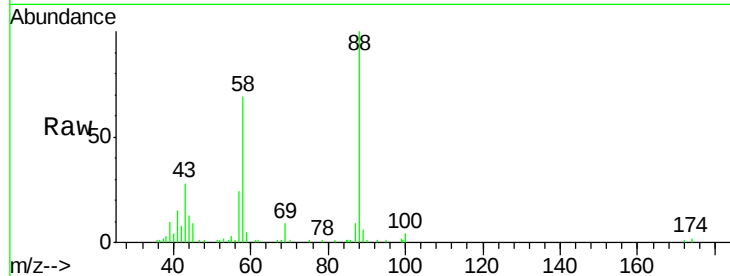
#49
1,4-Dioxane
Concen: 991.512 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	31.0	46.4
58	74.5	61.5	92.3

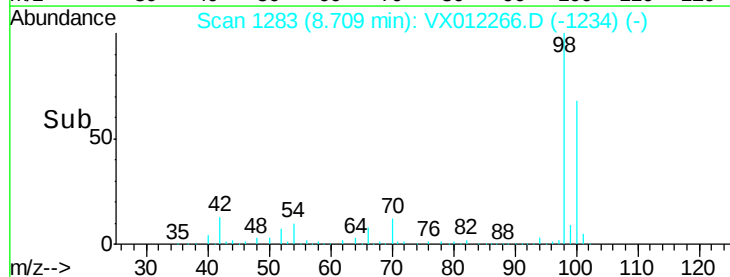
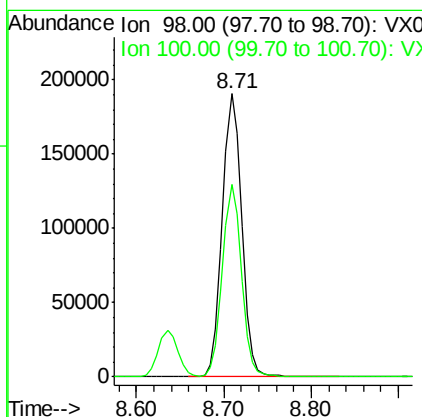
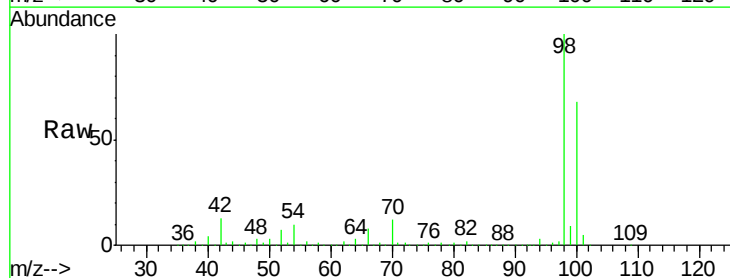
Manual Integrations
APPROVED

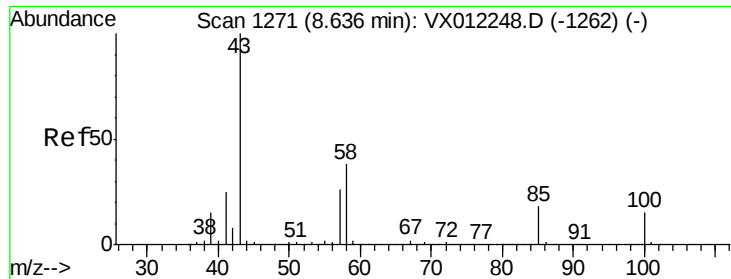
MMDadoda
9/12/2019 8:59:52 AM



#50
Toluene-d8
Concen: 51.842 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 252.062 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 320361

Ion Ratio Lower Upper

43 100

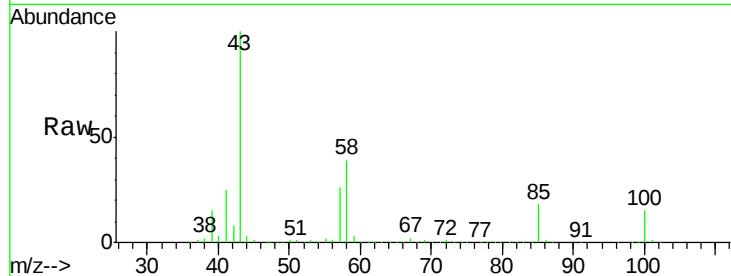
58 37.5 30.1 45.1

Manual Integrations

APPROVED

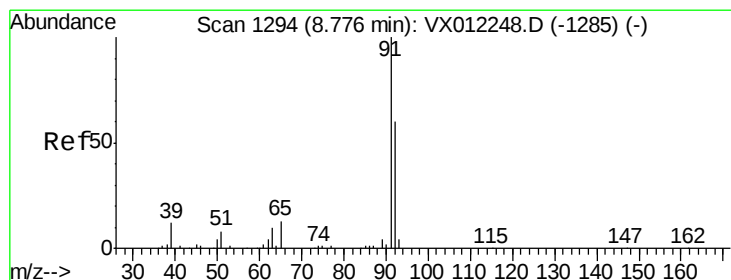
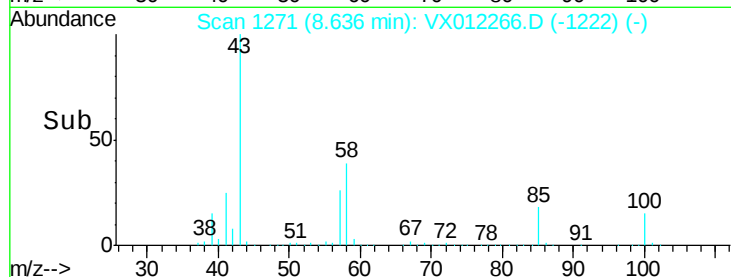
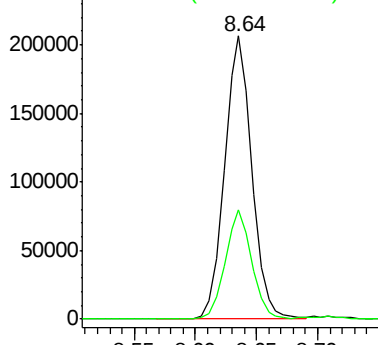
MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.475 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012266.D

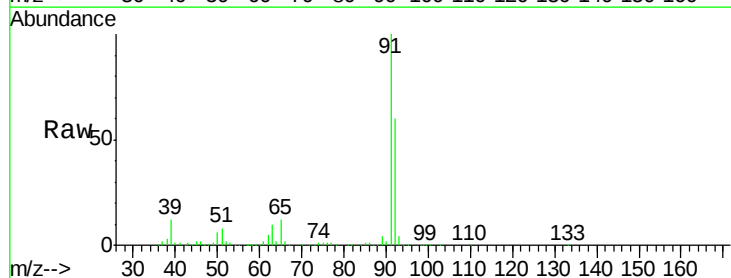
Acq: 10 Sep 2019 20:11

Tgt Ion: 92 Resp: 179060

Ion Ratio Lower Upper

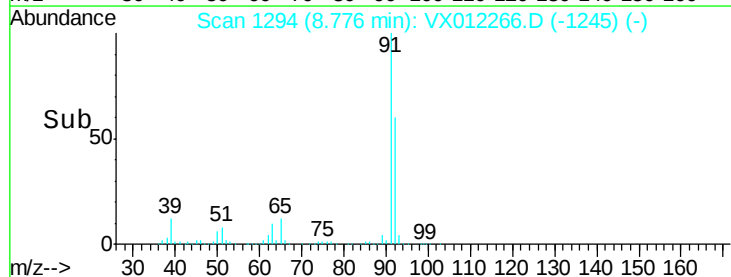
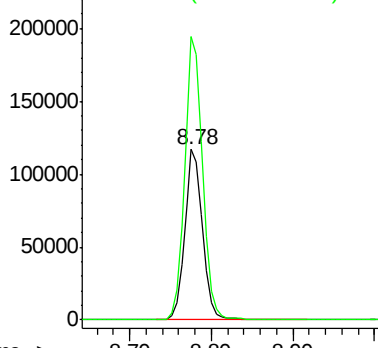
92 100

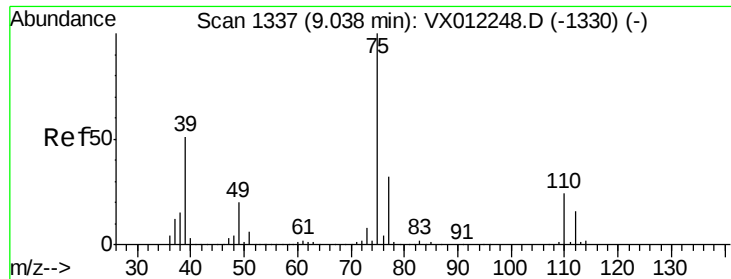
91 167.9 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





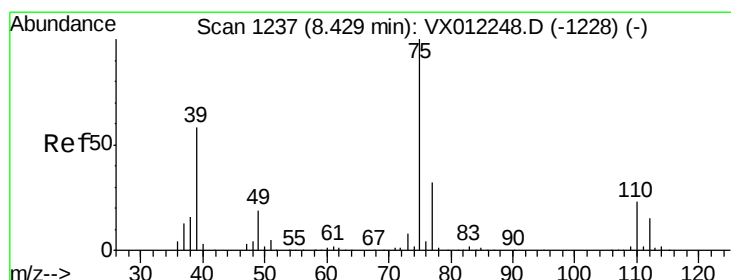
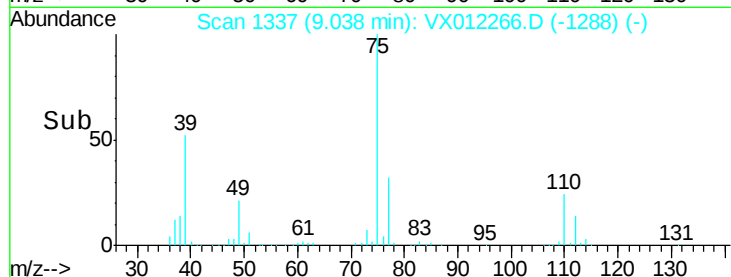
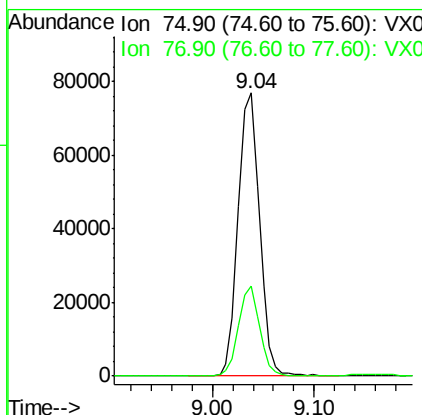
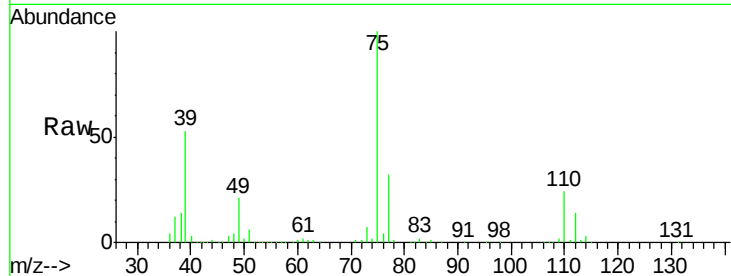
#53
t-1,3-Dichloropropene
Concen: 48.539 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 111853
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

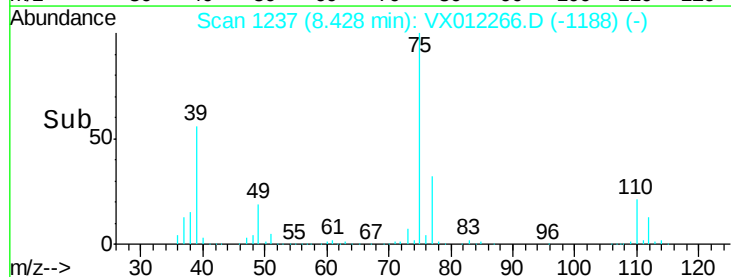
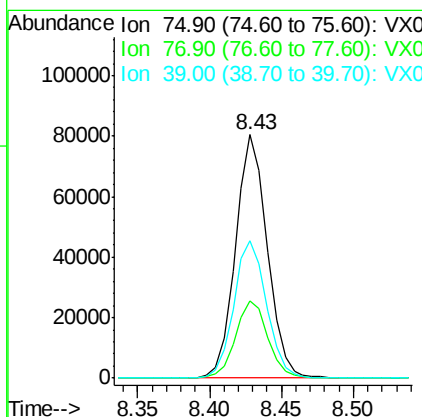
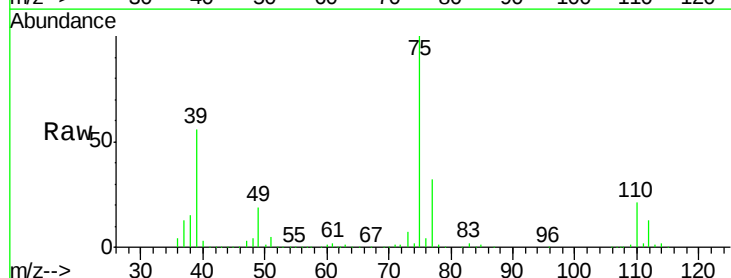
Manual Integrations
APPROVED

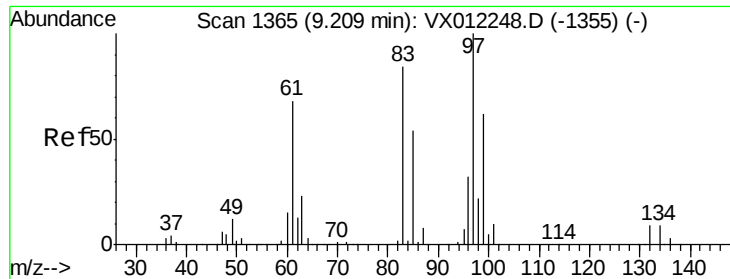
MMDadoda
9/12/2019 8:59:52 AM



#54
cis-1,3-Dichloropropene
Concen: 48.364 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion: 75 Resp: 123583
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 56.2 46.5 69.7





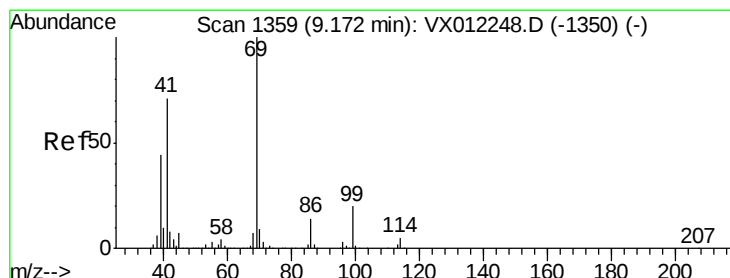
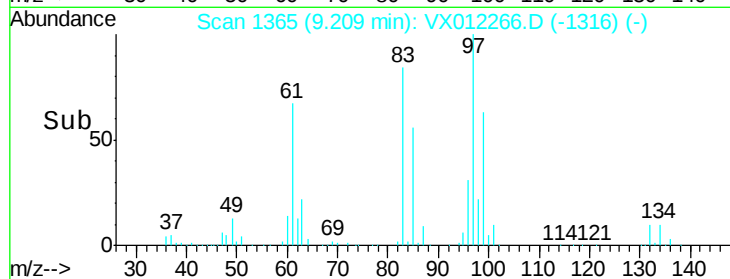
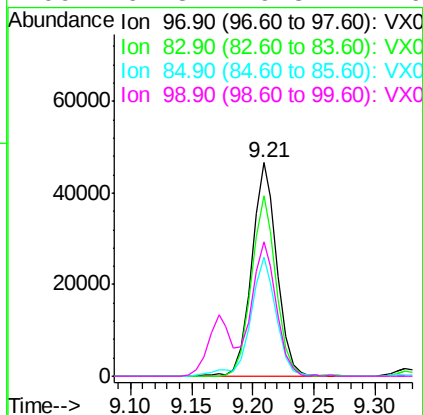
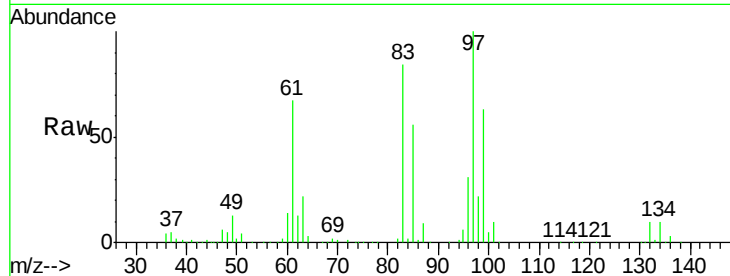
#55
 1,1,2-Trichloroethane
 Concen: 50.906 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	66722
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.2
85	55.9	43.4	65.2
99	62.8	49.8	74.6

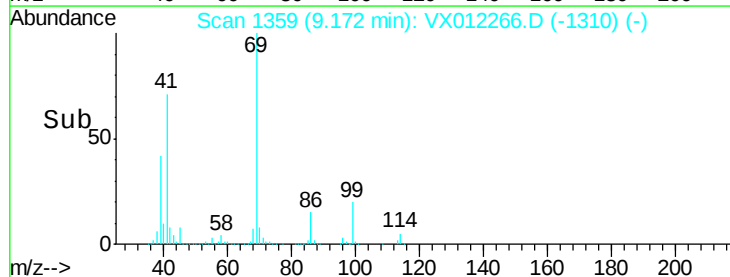
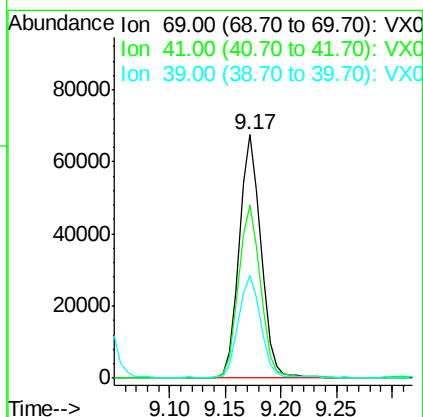
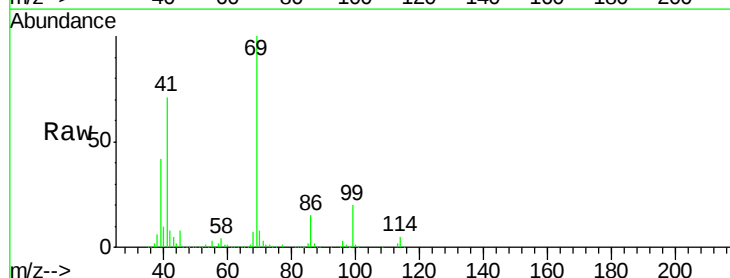
Manual Integrations
 APPROVED

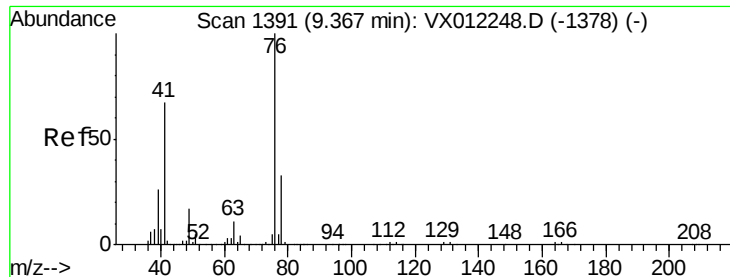
MMDadoda
 9/12/2019 8:59:52 AM



#56
 Ethyl methacrylate
 Concen: 51.764 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion:	69	Resp:	91862
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.7	86.5
39	43.2	34.0	51.0





#57

1,3-Dichloropropane

Concen: 50.671 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 113431

Ion Ratio Lower Upper

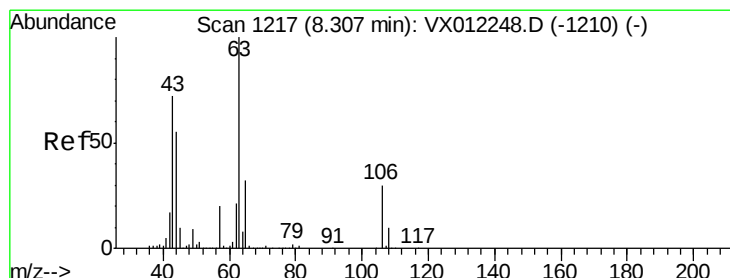
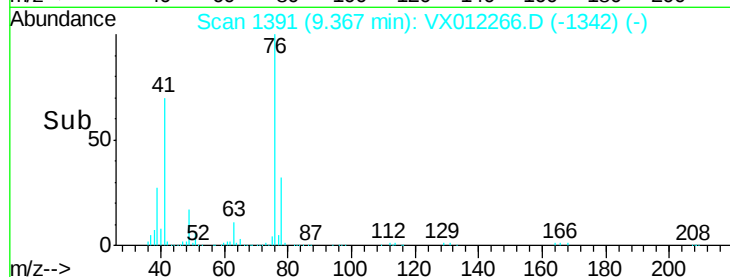
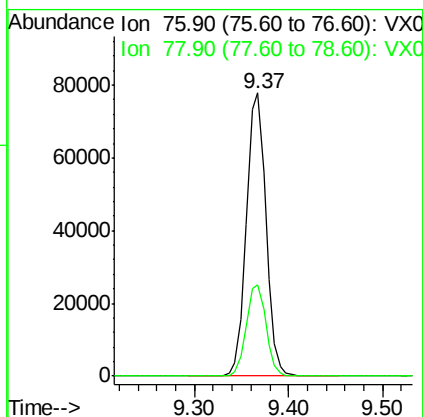
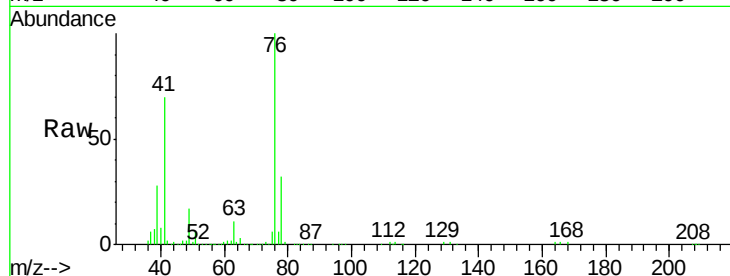
76 100

78 32.8 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

9/12/2019 8:59:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 259.769 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012266.D

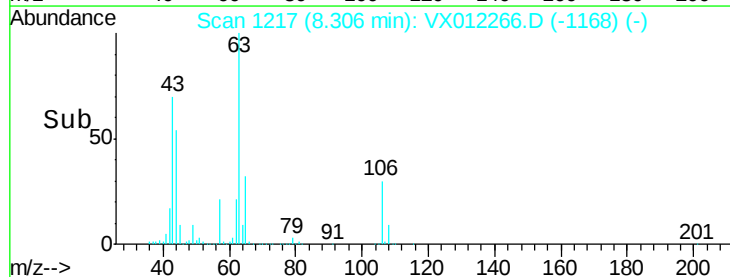
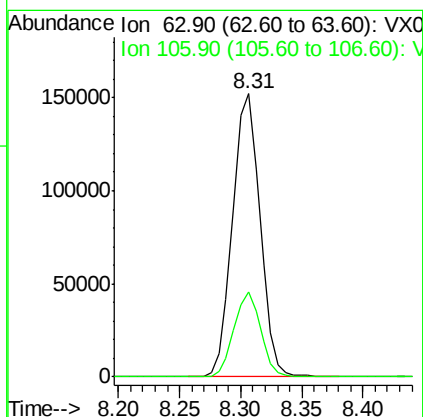
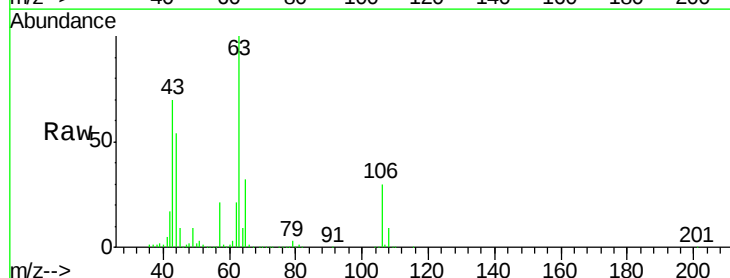
Acq: 10 Sep 2019 20:11

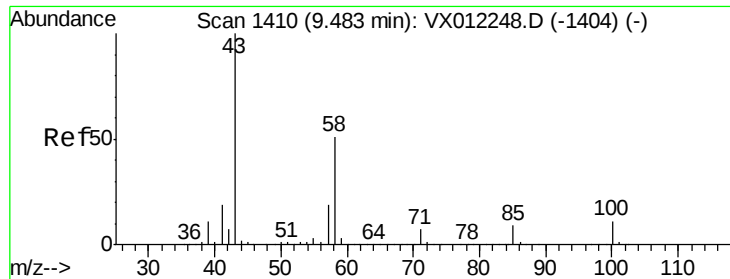
Tgt Ion: 63 Resp: 236276

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





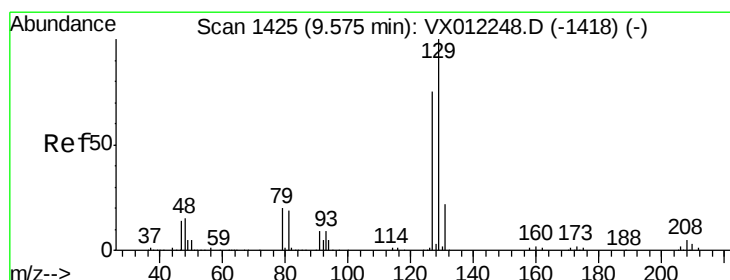
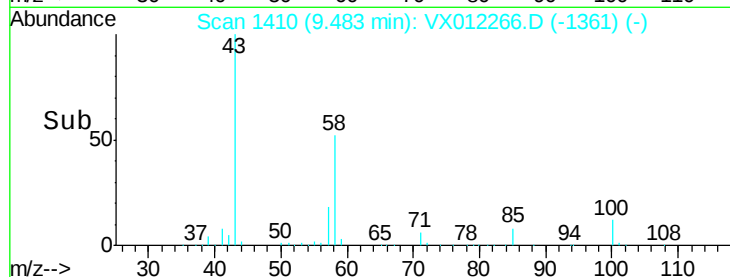
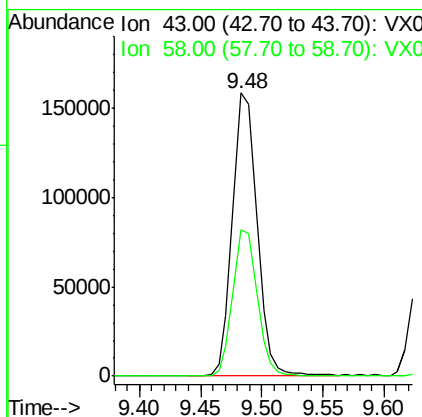
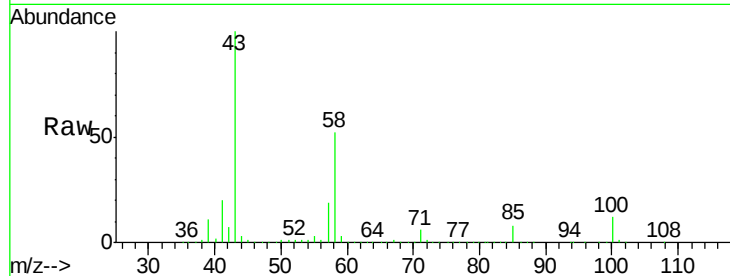
#59
2-Hexanone
Concen: 250.213 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.8	77.3

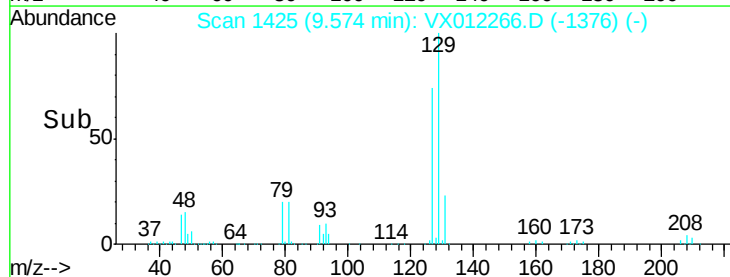
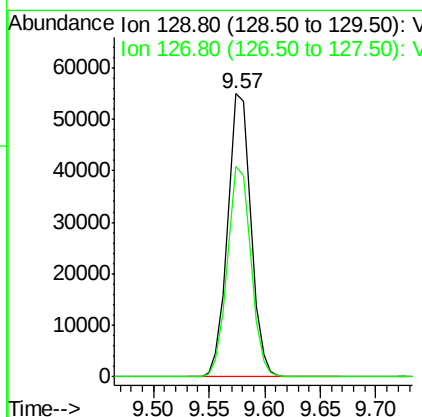
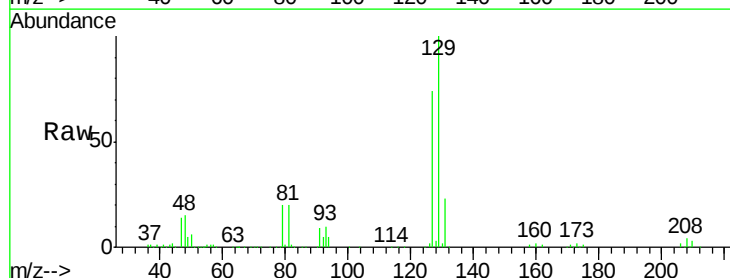
Manual Integrations
APPROVED

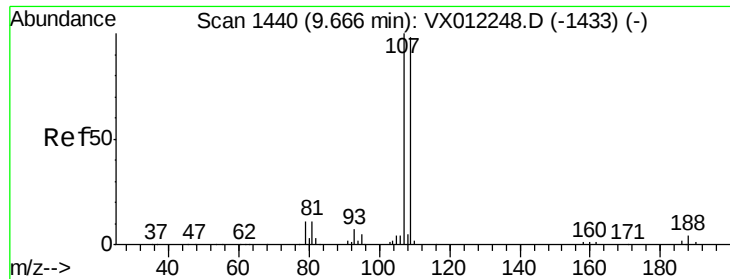
MMDadoda
9/12/2019 8:59:52 AM



#60
Dibromochloromethane
Concen: 52.231 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.1	114.3





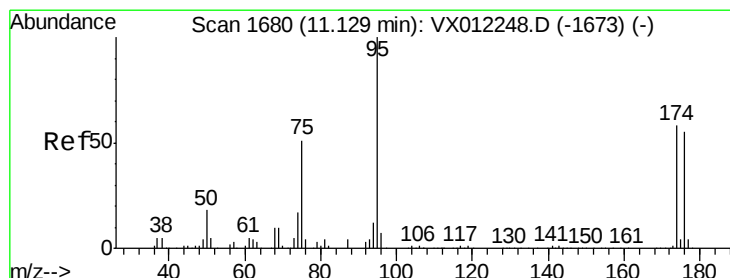
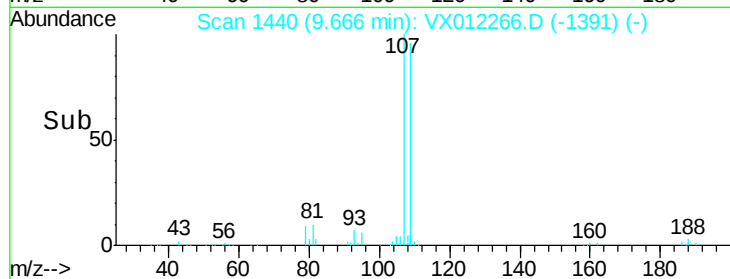
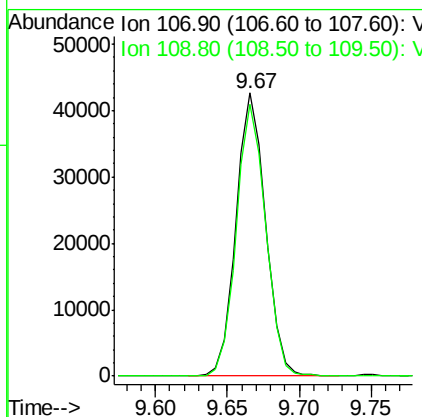
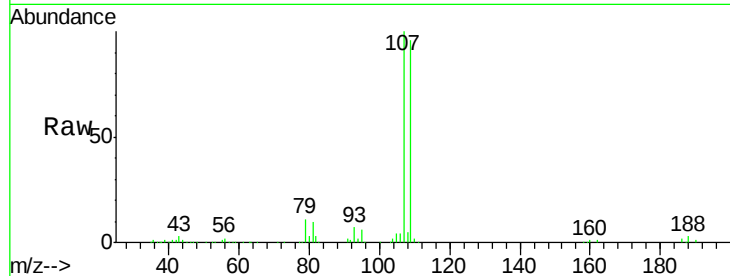
#61
 1,2-Dibromoethane
 Concen: 49.822 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.3	114.5

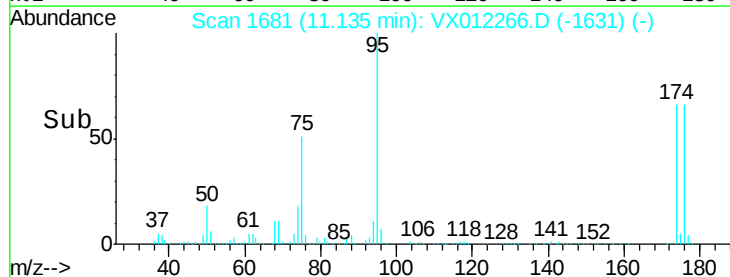
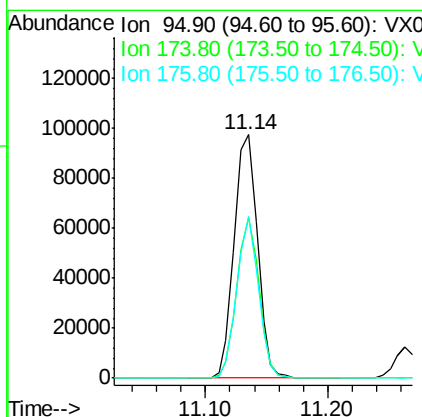
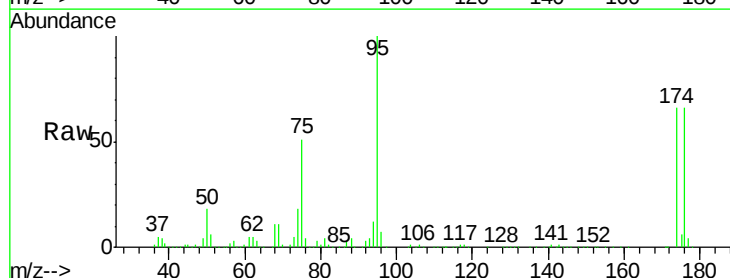
Manual Integrations
 APPROVED

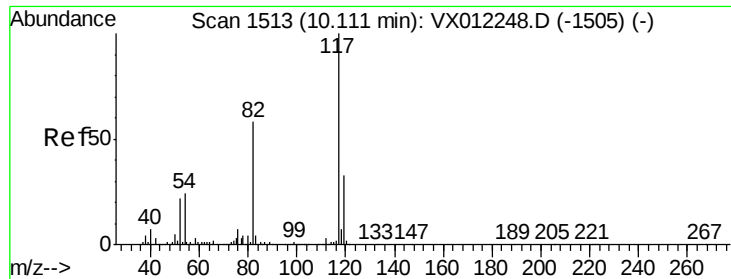
MMDadoda
 9/12/2019 8:59:52 AM



#62
 4-Bromofluorobenzene
 Concen: 48.777 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.3	0.0	127.0
176	61.8	0.0	125.8





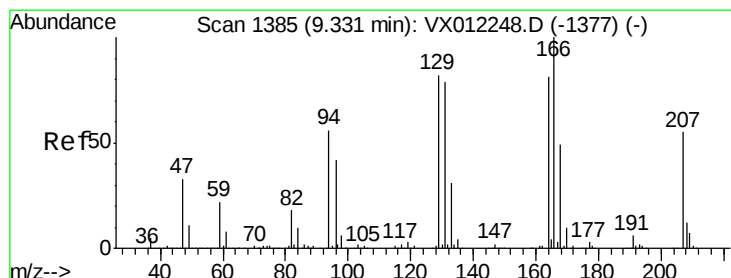
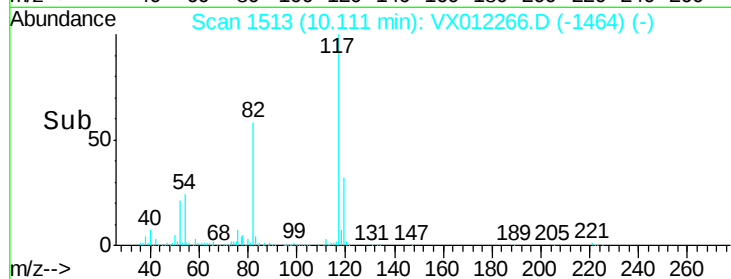
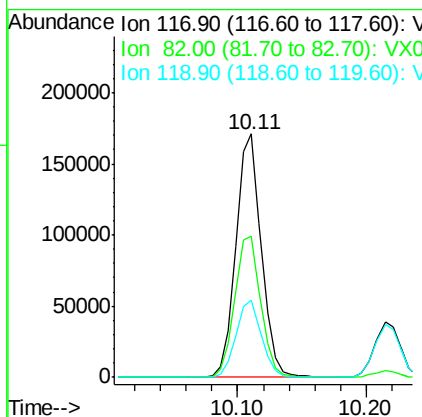
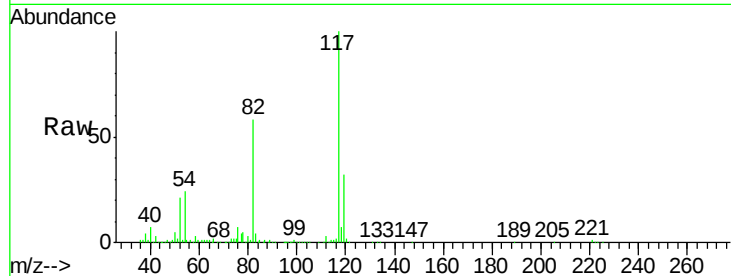
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.4	69.6
119	31.6	26.6	39.8

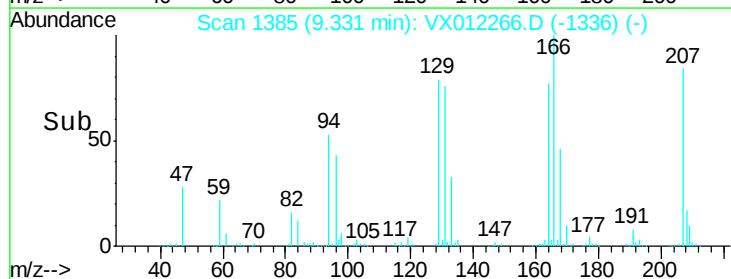
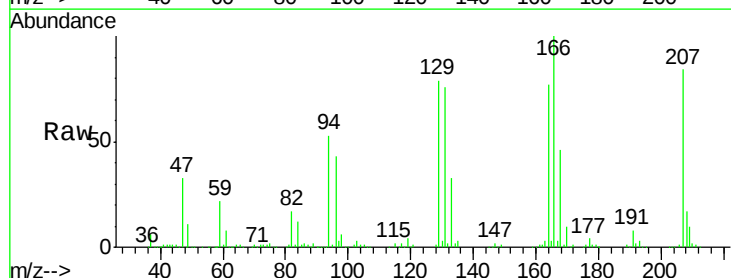
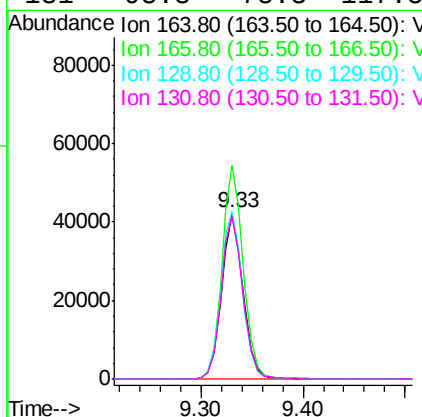
Manual Integrations
APPROVED

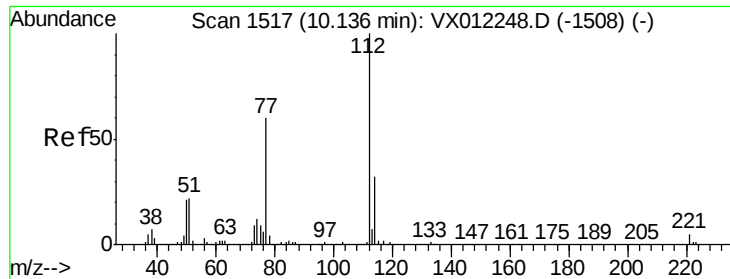
MMDadoda
9/12/2019 8:59:52 AM



#64
Tetrachloroethene
Concen: 49.512 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	99.4	149.0
129	101.7	81.8	122.8
131	98.3	78.3	117.5





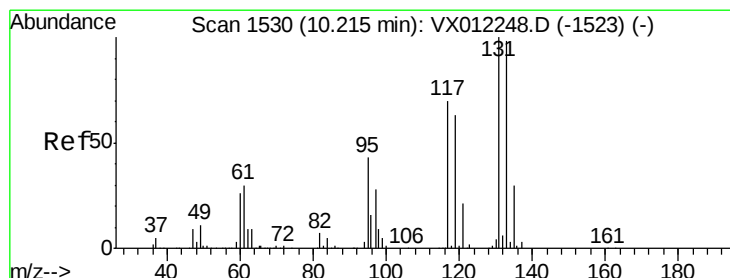
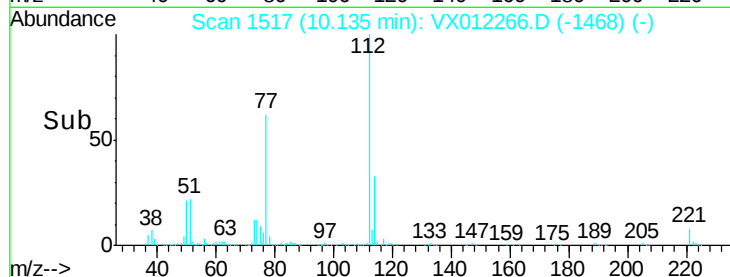
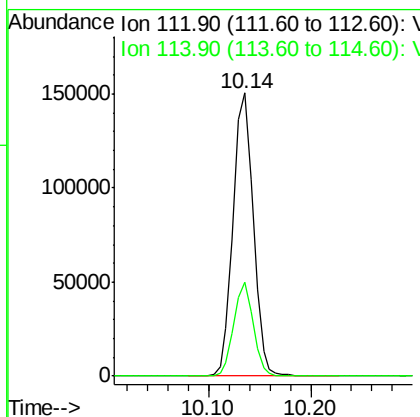
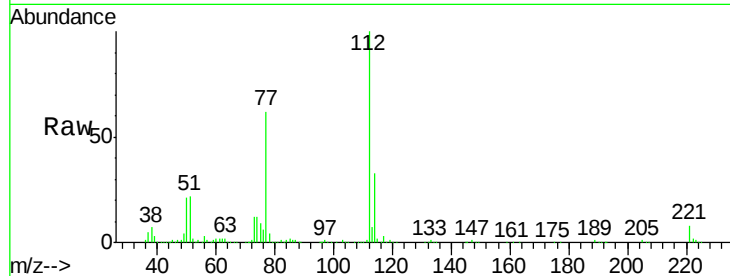
#65
Chlorobenzene
Concen: 48.226 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.4	38.0

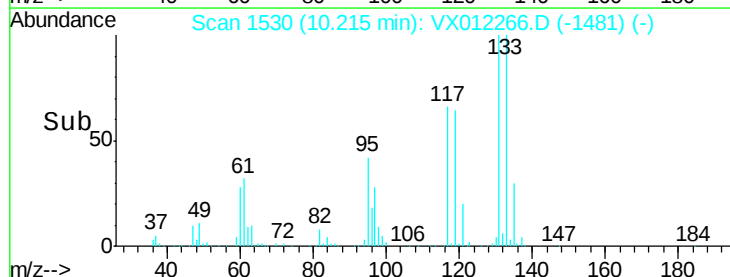
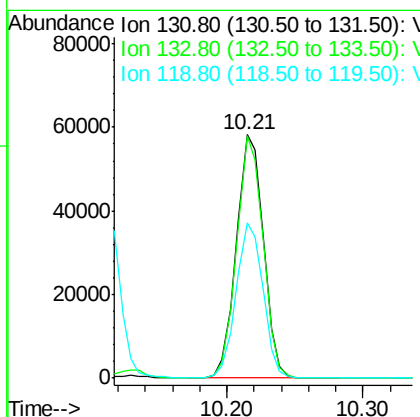
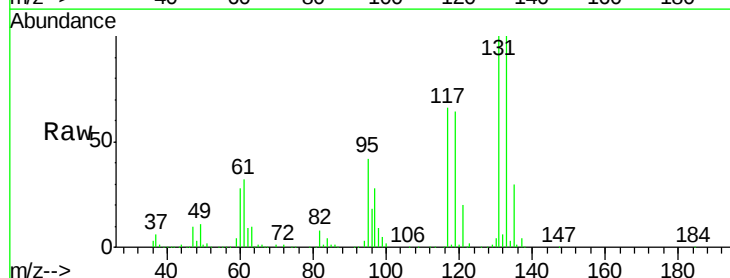
Manual Integrations
APPROVED

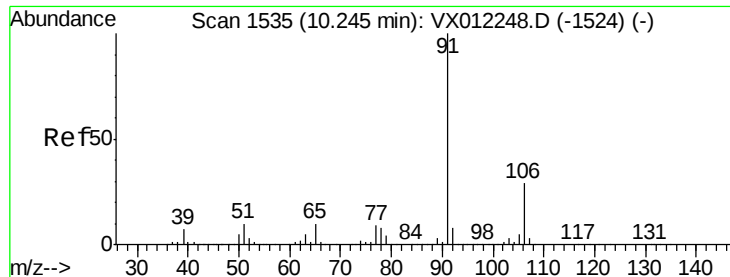
MMDadoda
9/12/2019 8:59:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.960 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	48.0	144.2
119	63.7	31.6	95.0





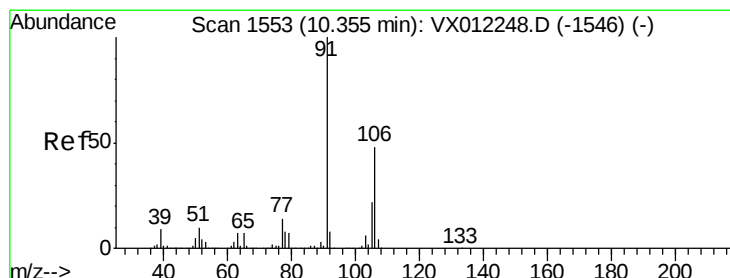
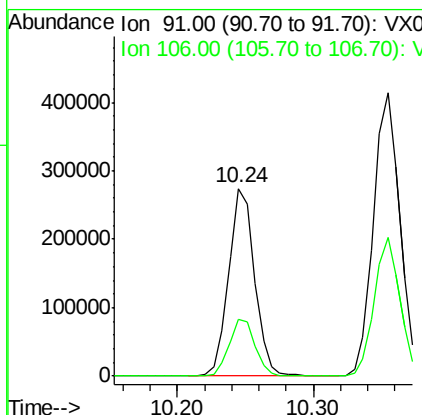
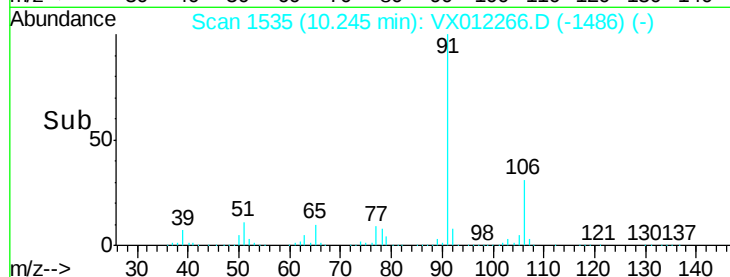
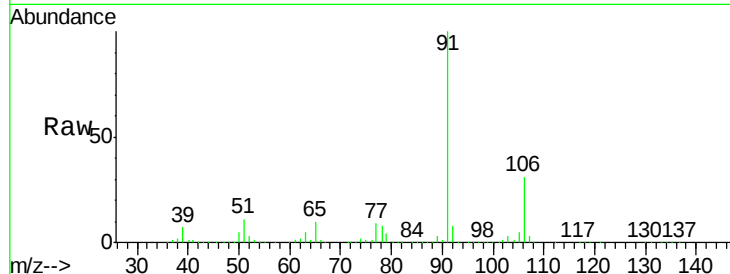
#67
Ethyl Benzene
Concen: 47.930 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 364742
Ion Ratio Lower Upper
91 100
106 30.6 23.1 34.7

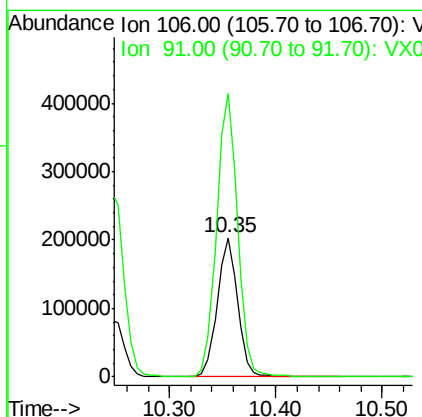
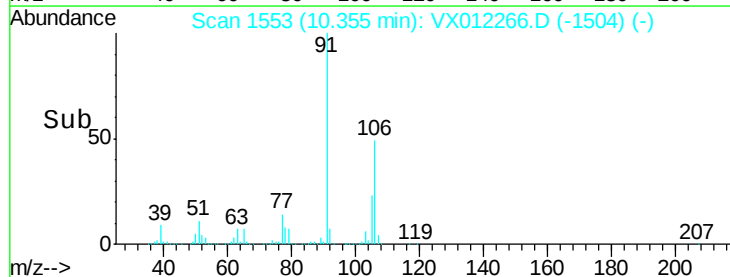
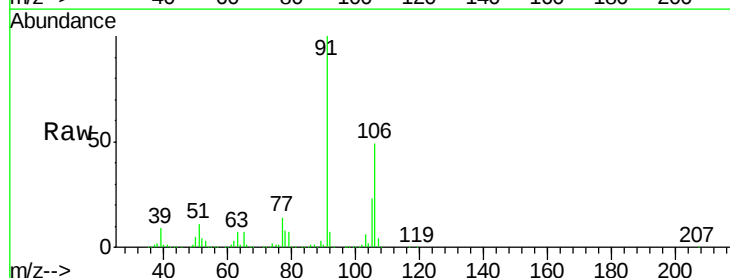
Manual Integrations
APPROVED

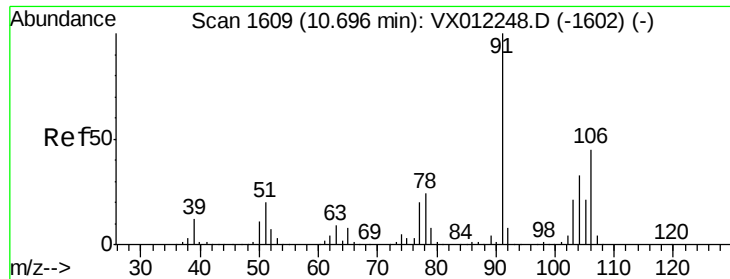
MMDadoda
9/12/2019 8:59:52 AM



#68
m/p-Xylenes
Concen: 96.655 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion: 106 Resp: 270759
Ion Ratio Lower Upper
106 100
91 208.2 167.0 250.6





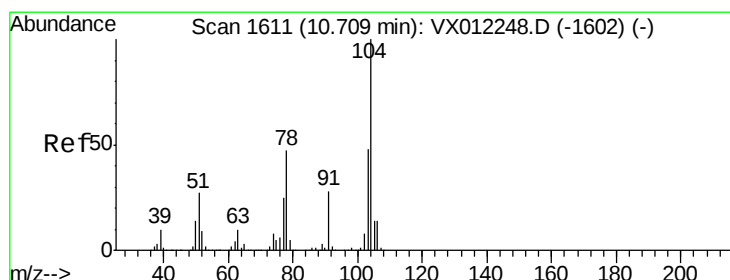
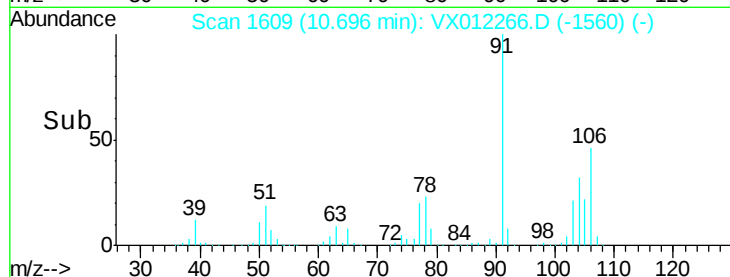
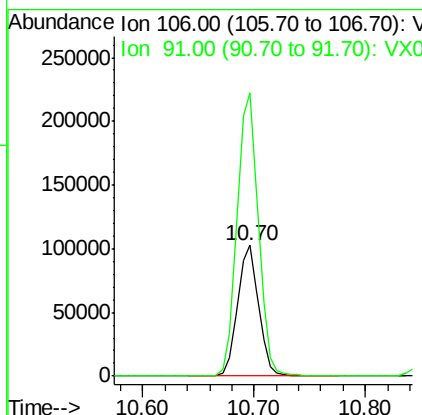
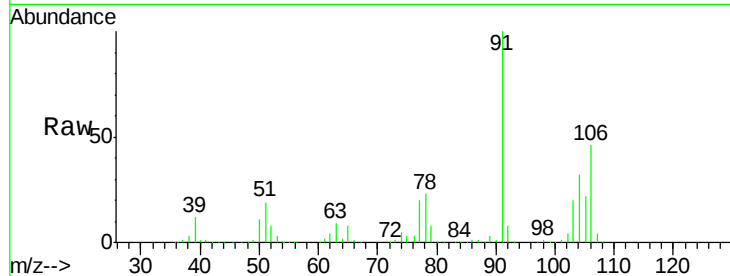
#69
o-Xylene
Concen: 48.766 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		133824		
91	220.7	110.5	331.4		

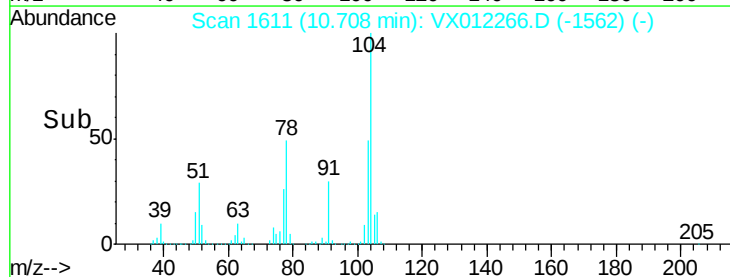
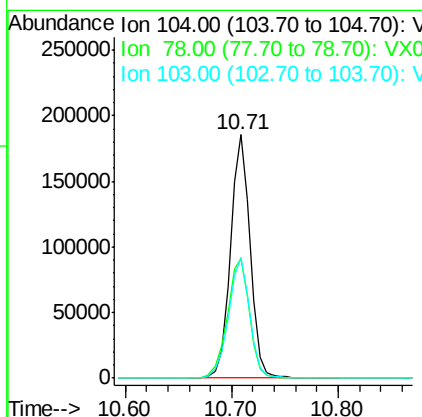
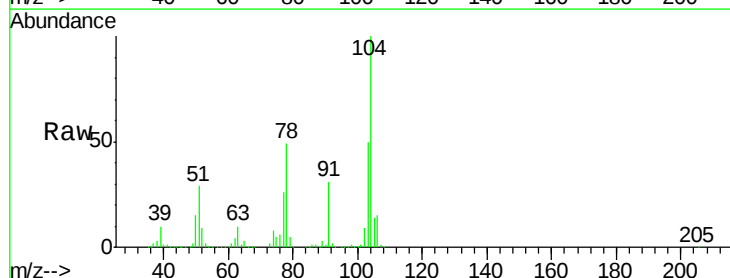
Manual Integrations
APPROVED

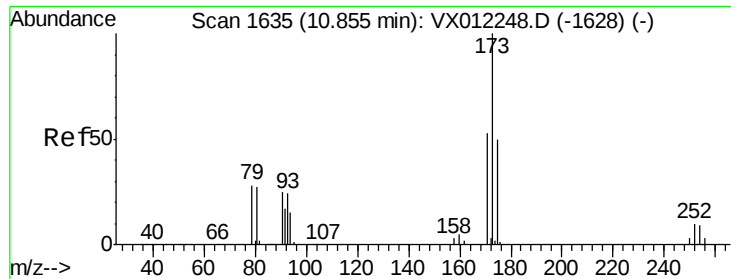
MMDadoda
9/12/2019 8:59:52 AM



#70
Styrene
Concen: 49.176 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		239330		
78	55.5	44.2	66.2		
103	53.7	42.5	63.7		





#71

Bromoform

Concen: 51.470 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 43048

Ion Ratio Lower Upper

173 100

175 47.4 24.5 73.5

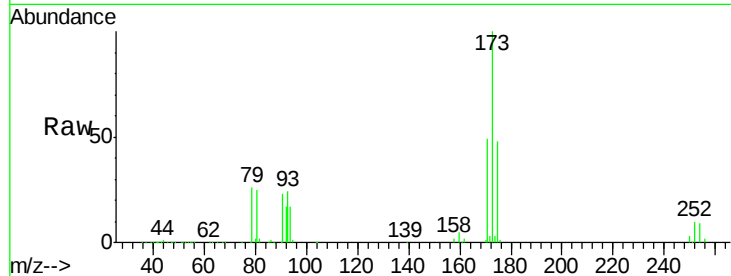
254 0.1 0.2 0.4#

Manual Integrations

APPROVED

MMDadoda

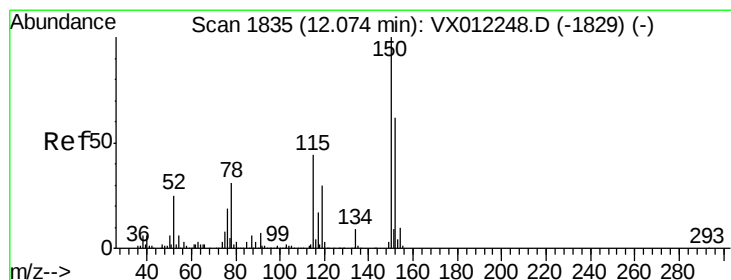
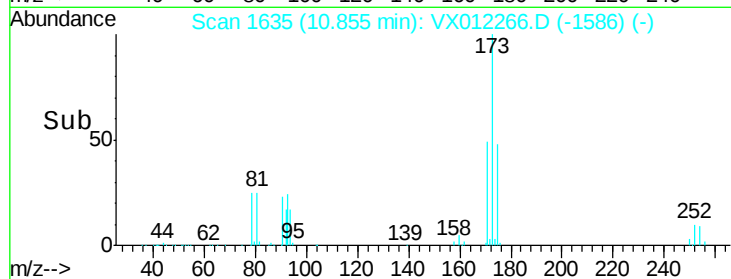
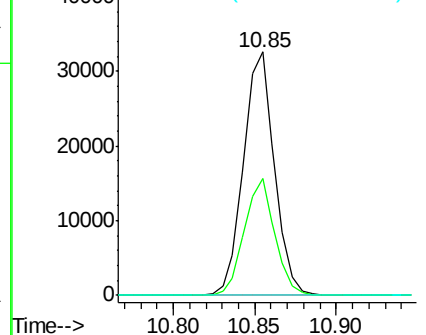
9/12/2019 8:59:52 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

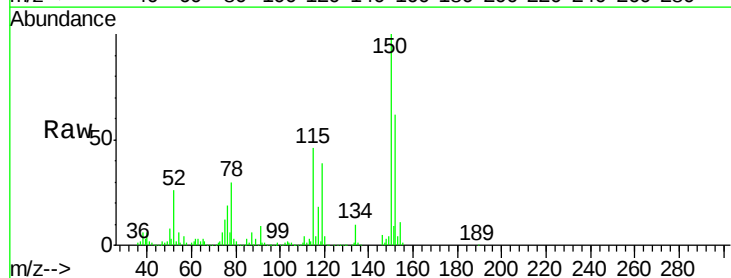
Tgt Ion:152 Resp: 113038

Ion Ratio Lower Upper

152 100

115 92.0 45.5 136.4

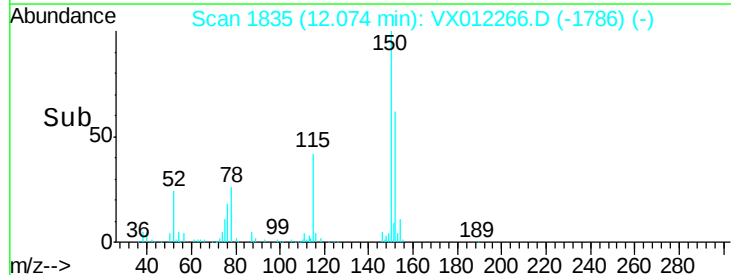
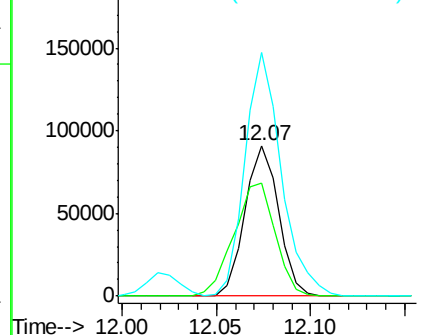
150 174.3 0.0 346.4

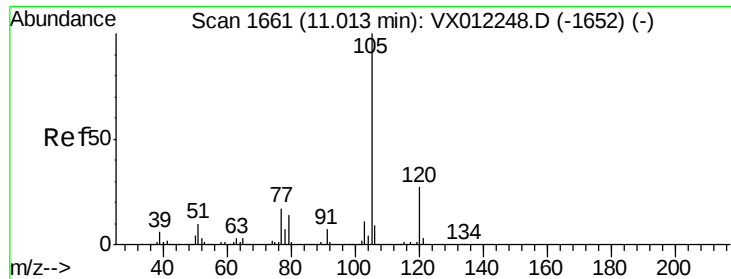


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.487 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 368259

Ion Ratio Lower Upper

105 100

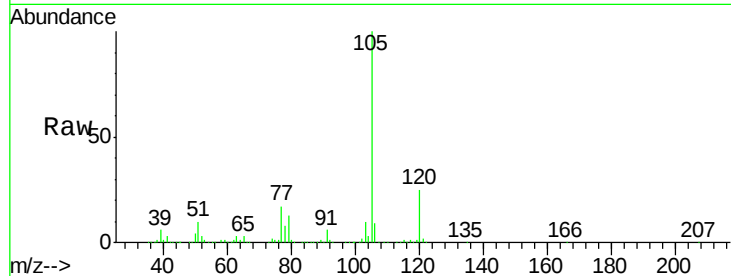
120 25.4 13.2 39.5

Manual Integrations

APPROVED

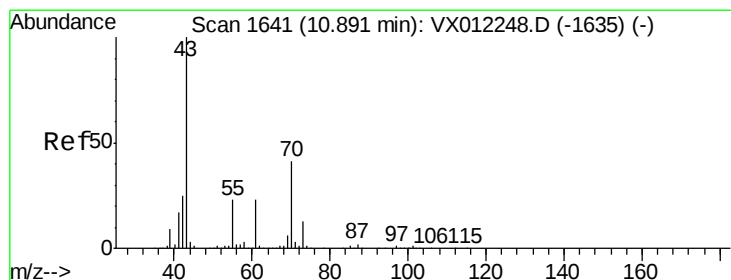
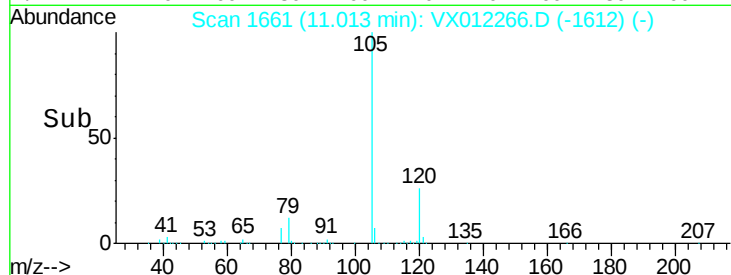
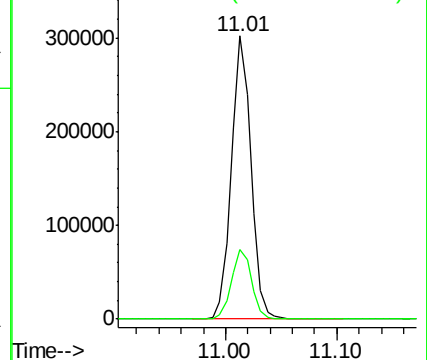
MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.716 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion: 43 Resp: 112216

Ion Ratio Lower Upper

43 100

70 40.6 32.9 49.3

55 23.6 19.1 28.7

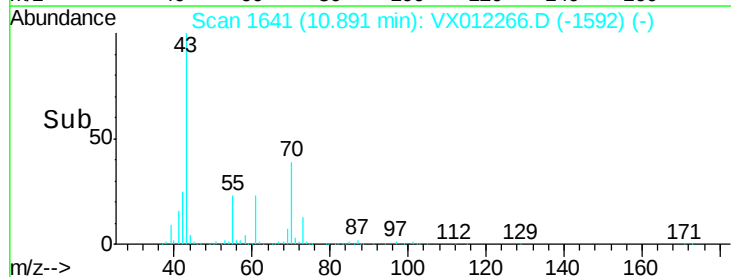
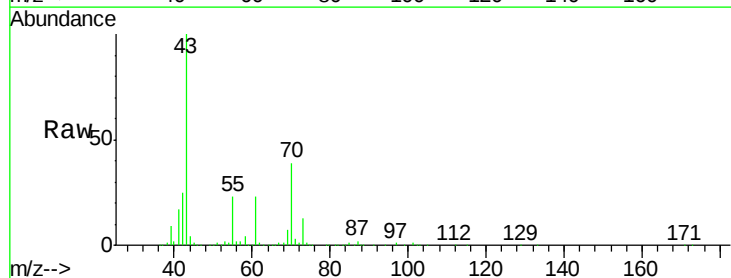
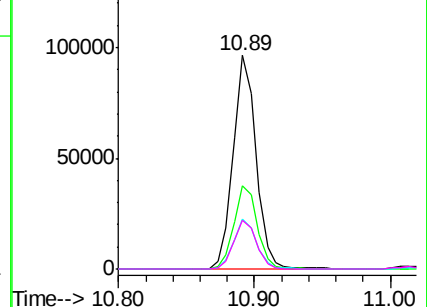
61 23.1 18.6 28.0

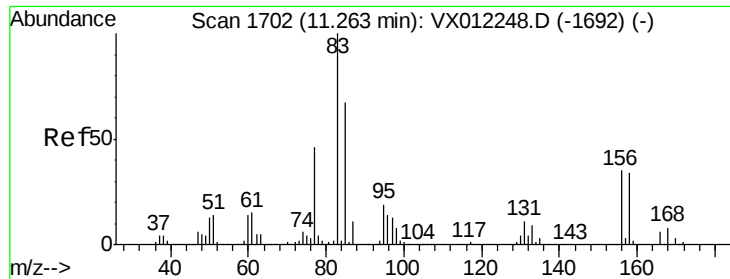
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.578 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

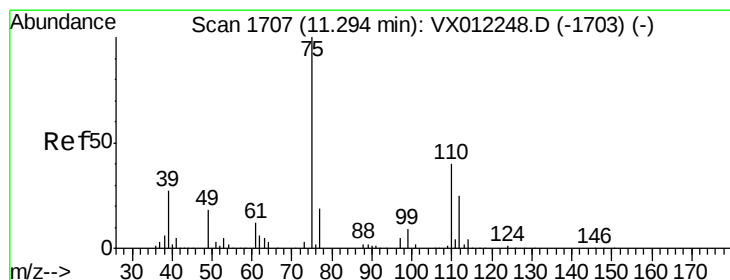
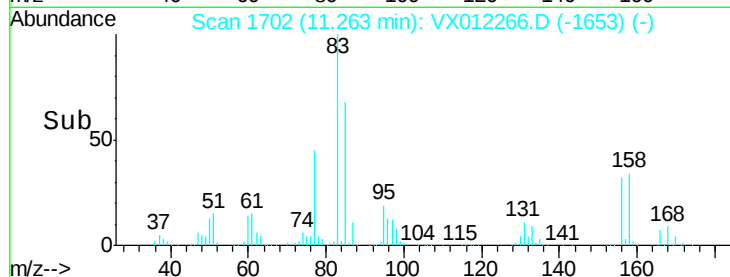
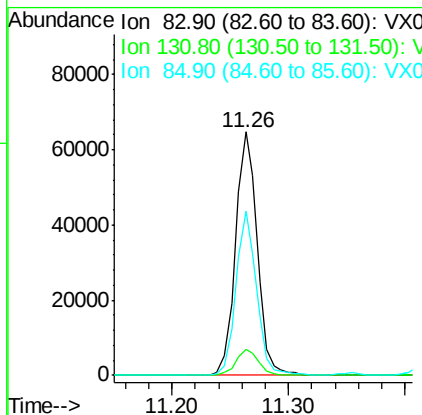
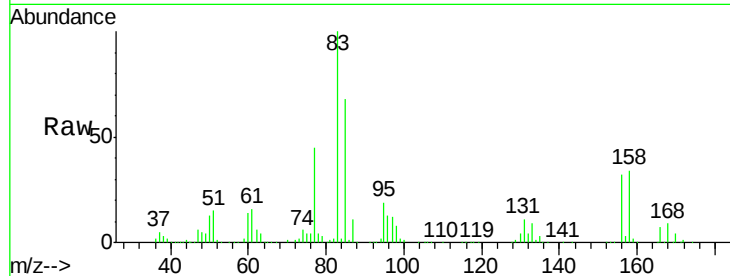
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	84031
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.5	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#76

1,2,3-Trichloropropane

Concen: 51.150 ug/l m

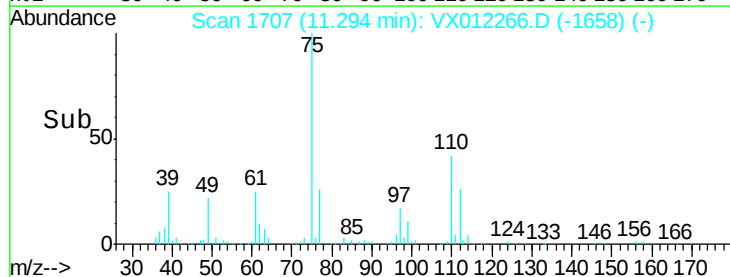
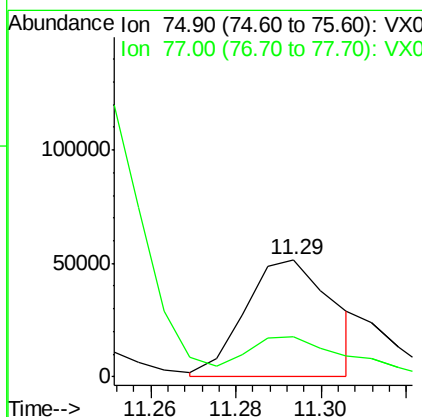
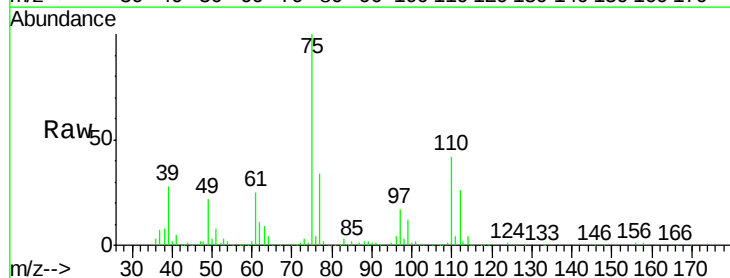
RT: 11.29 min Scan# 1707

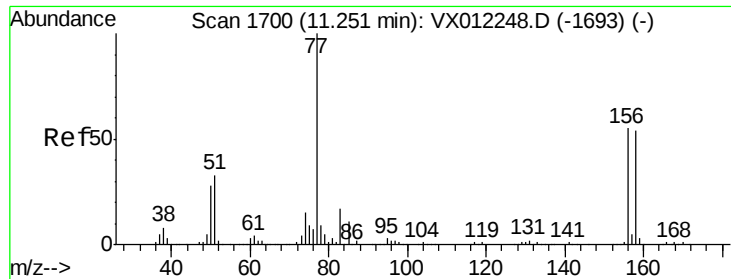
Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	75	Resp:	74277
Ion Ratio	Lower	Upper	
75	100		
77	39.8	19.7	59.0





#77

Bromobenzene

Concen: 50.991 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

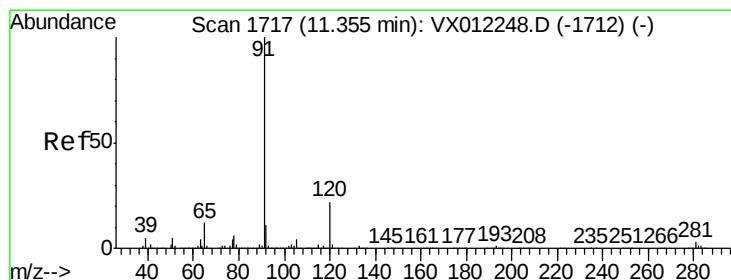
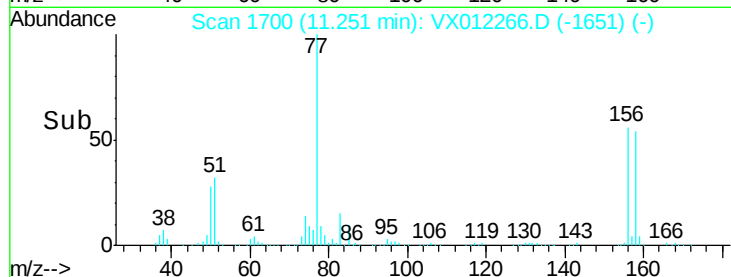
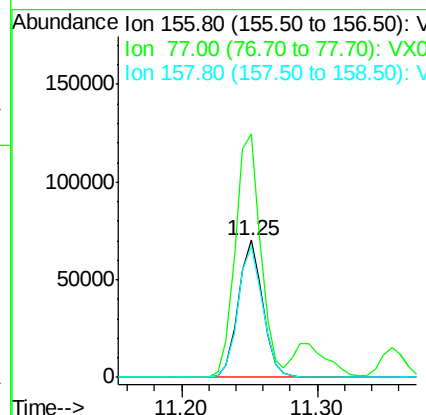
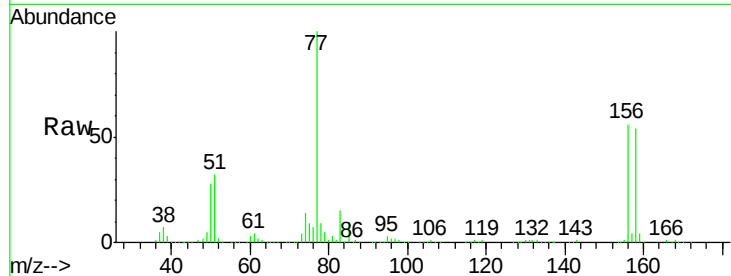
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	87364
Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.2	276.6
158	96.8	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#78

n-propylbenzene

Concen: 49.129 ug/l

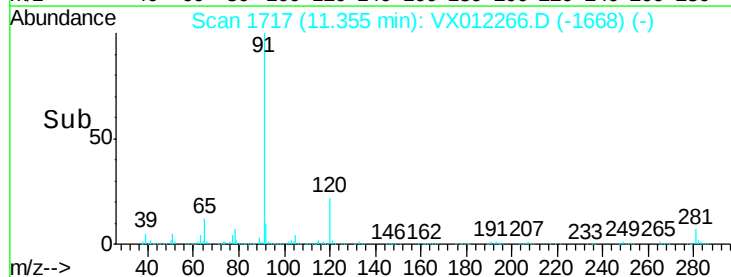
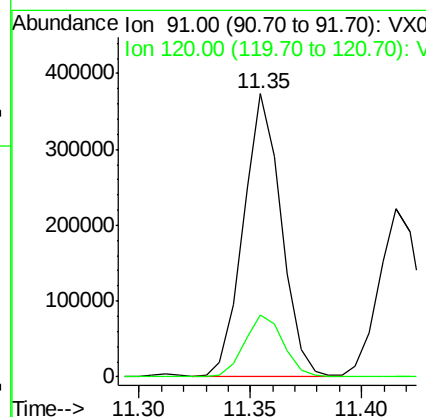
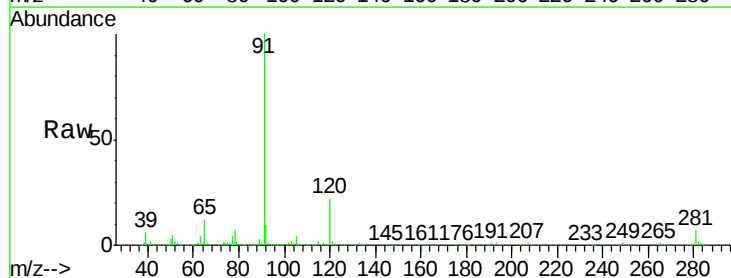
RT: 11.35 min Scan# 1717

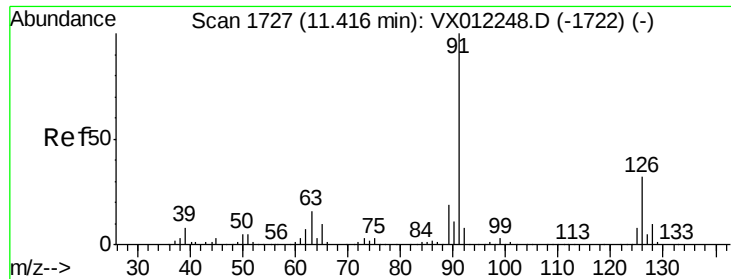
Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Tgt Ion:	91	Resp:	441500
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.6





#79

2-Chlorotoluene

Concen: 49.850 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 277543

Ion Ratio Lower Upper

91 100

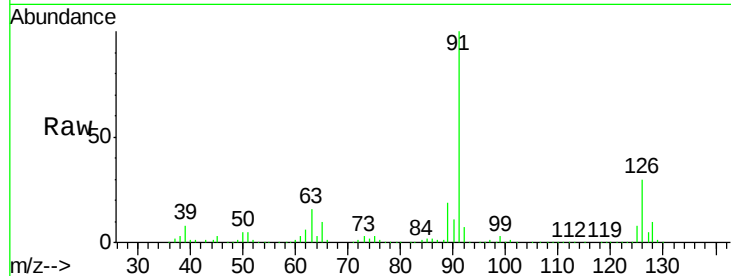
126 31.3 15.9 47.7

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VX012248.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012248.D (-1722) (-)

300000

200000

100000

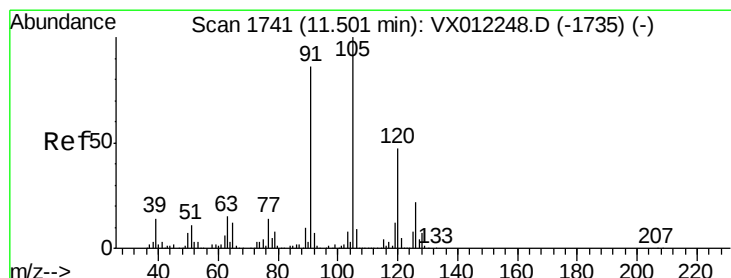
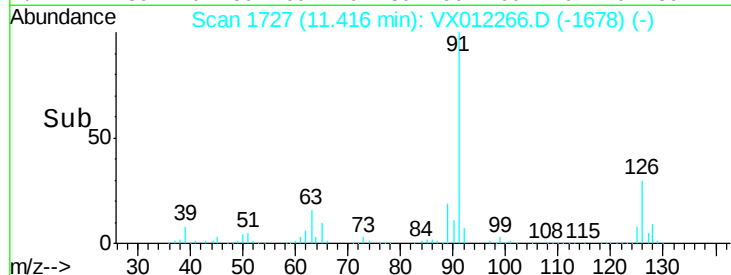
0

11.42

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.580 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012266.D

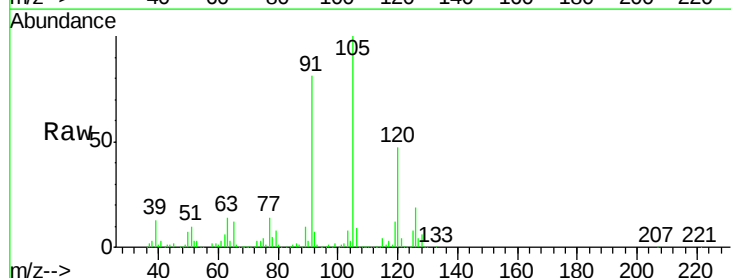
Acq: 10 Sep 2019 20:11

Tgt Ion: 105 Resp: 331800

Ion Ratio Lower Upper

105 100

120 46.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VX012248.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012248.D (-1735) (-)

300000

250000

200000

150000

100000

50000

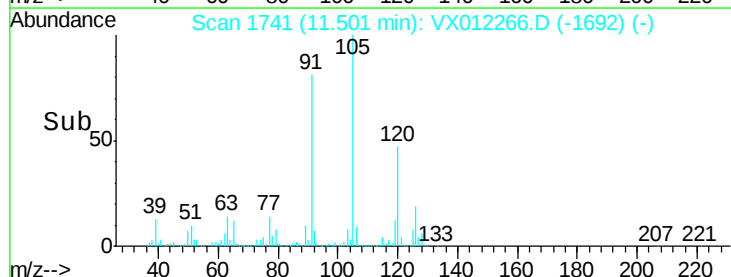
0

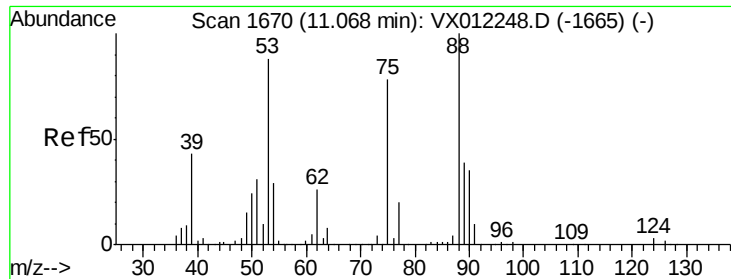
11.50

11.40

11.60

Time-->





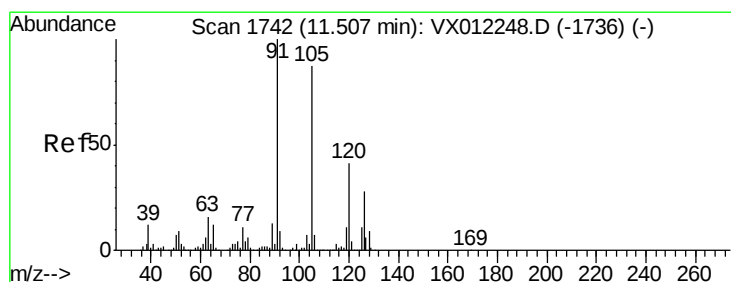
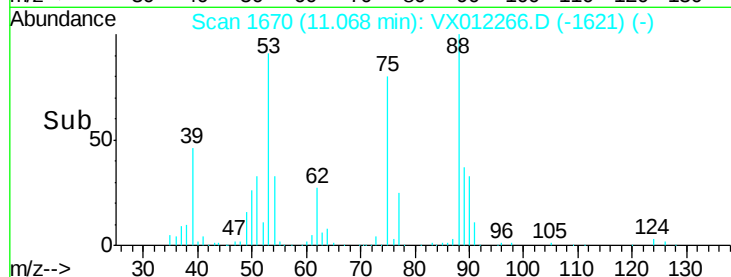
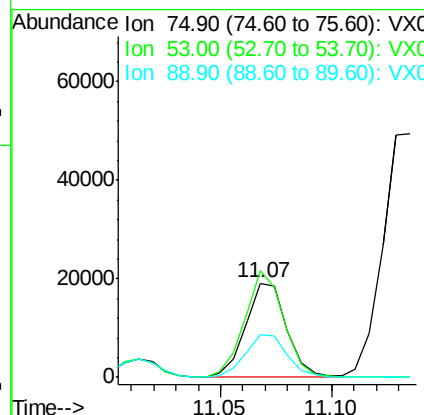
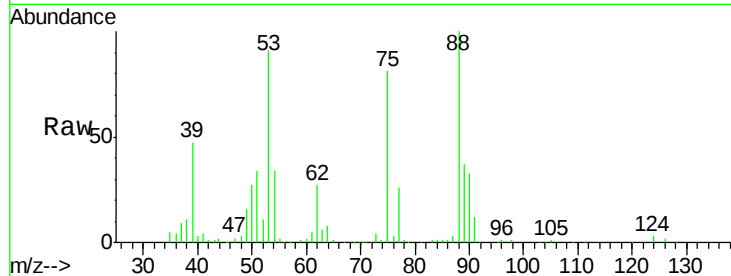
#81
trans-1,4-Dichloro-2-butene
Concen: 50.194 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.5	88.1	132.1
89	46.3	43.5	65.3

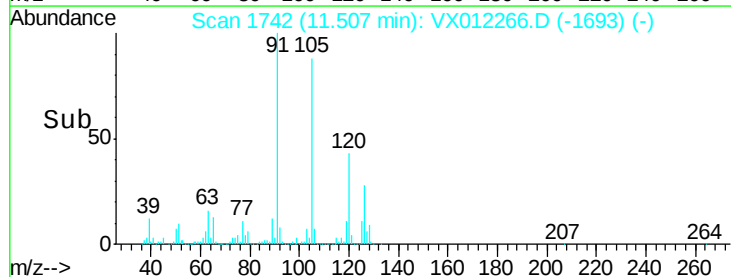
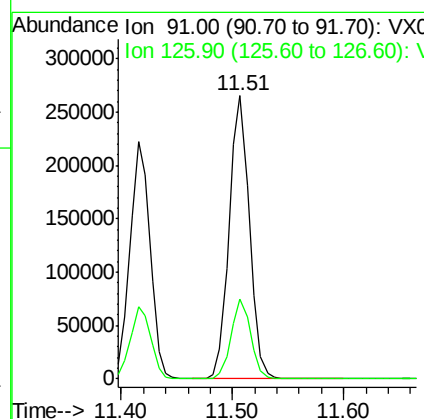
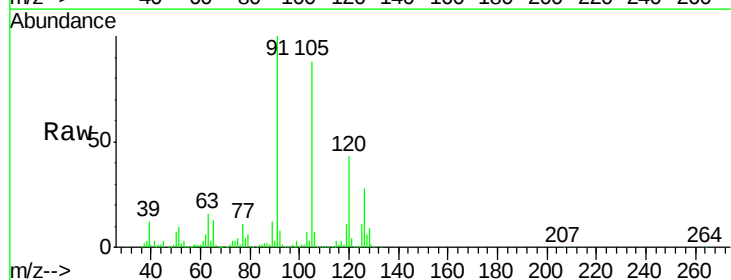
Manual Integrations
APPROVED

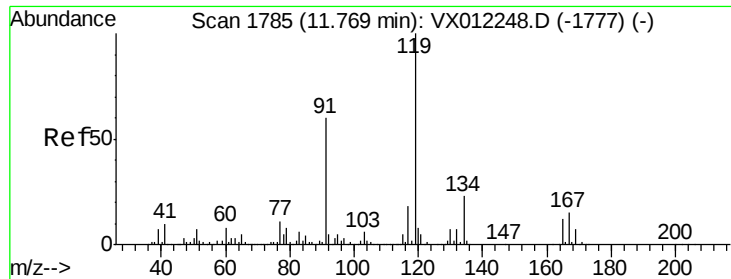
MMDadoda
9/12/2019 8:59:52 AM



#82
4-Chlorotoluene
Concen: 49.888 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.0	42.0





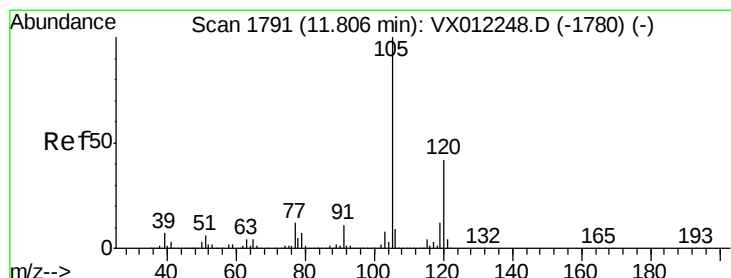
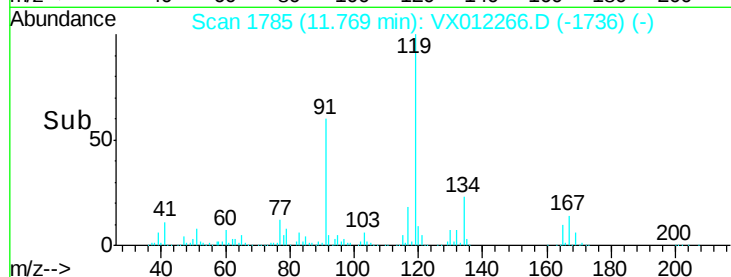
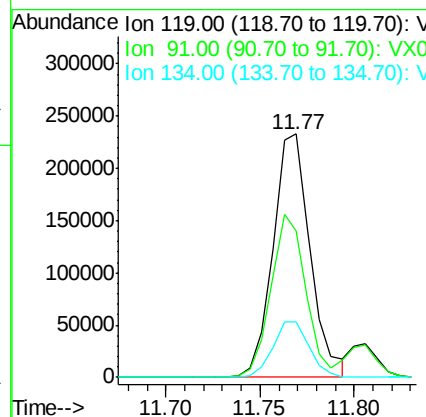
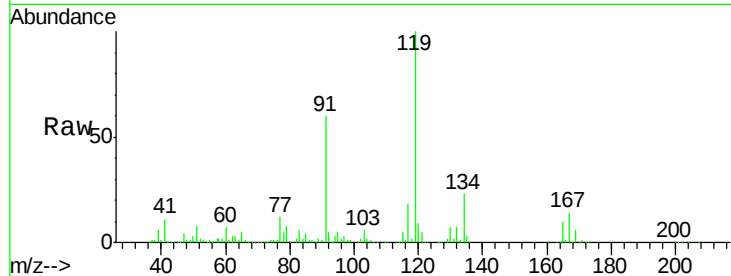
#83
tert-Butylbenzene
Concen: 48.926 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.9	92.8
134	22.7	11.2	33.6

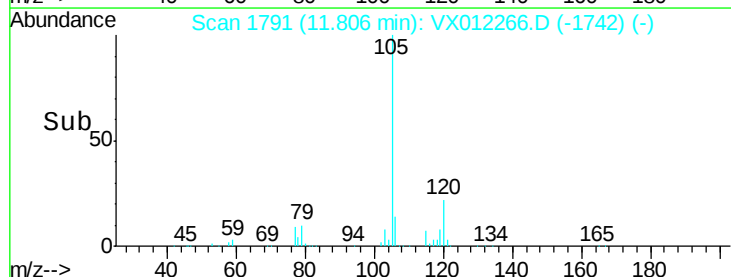
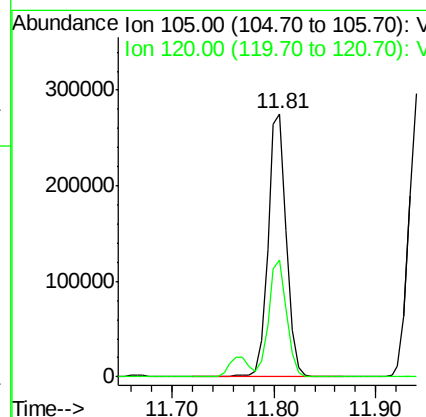
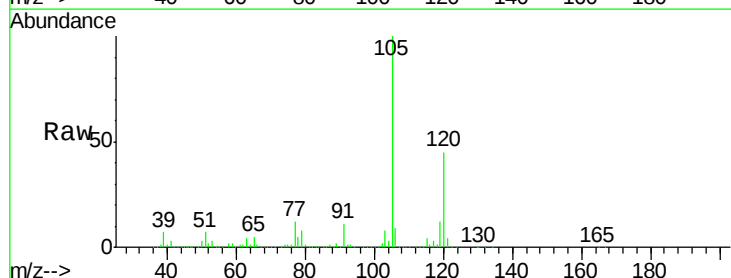
Manual Integrations
APPROVED

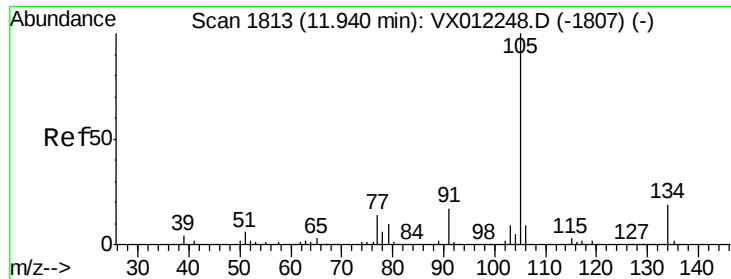
MMDadoda
9/12/2019 8:59:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.696 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.3	63.9





#85

sec-Butylbenzene

Concen: 48.114 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 373050

Ion Ratio Lower Upper

105 100

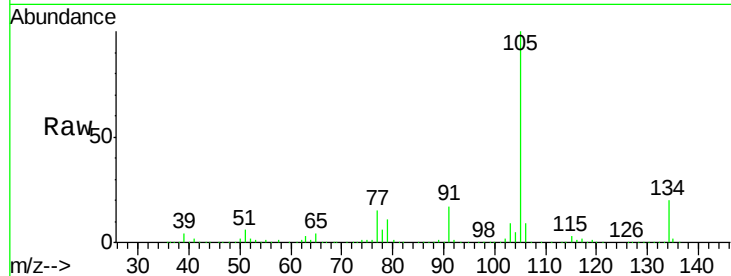
134 20.0 9.9 29.7

Manual Integrations

APPROVED

MMDadoda

9/12/2019 8:59:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

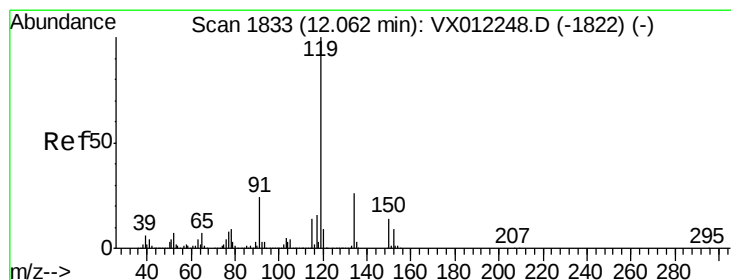
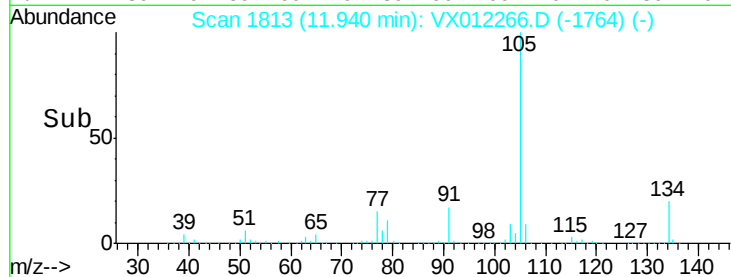
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.407 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012266.D

Acq: 10 Sep 2019 20:11

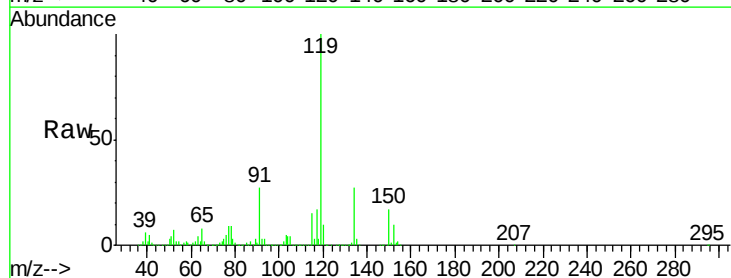
Tgt Ion:119 Resp: 346792

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

91 27.0 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

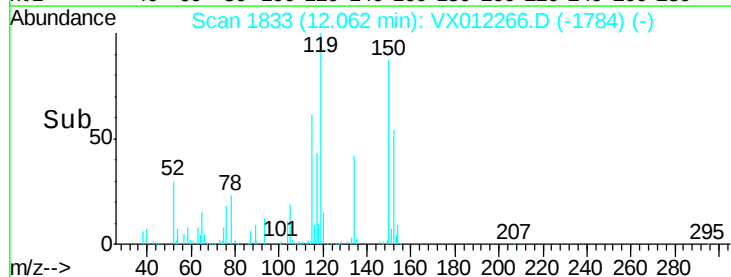
300000

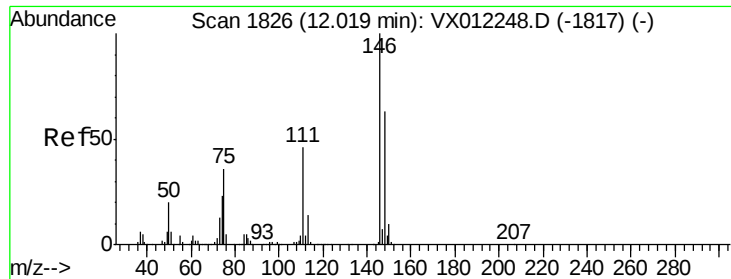
200000

100000

0

Time-->





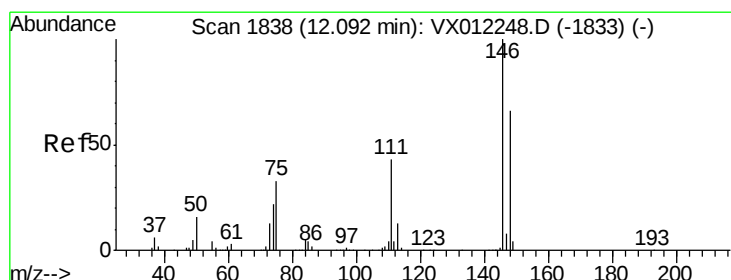
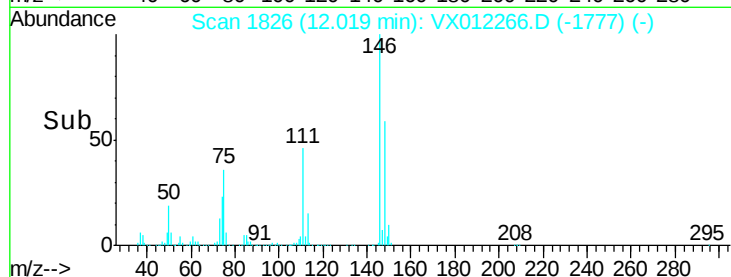
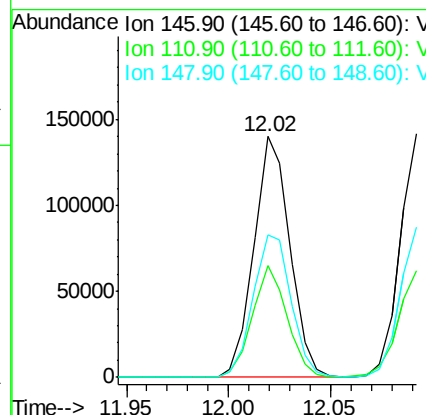
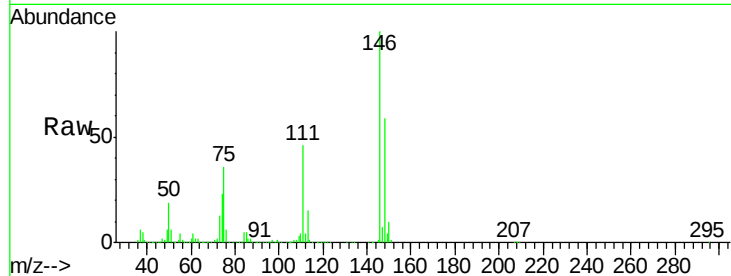
#87
 1,3-Dichlorobenzene
 Concen: 49.406 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.3	66.8
148	62.4	31.5	94.5

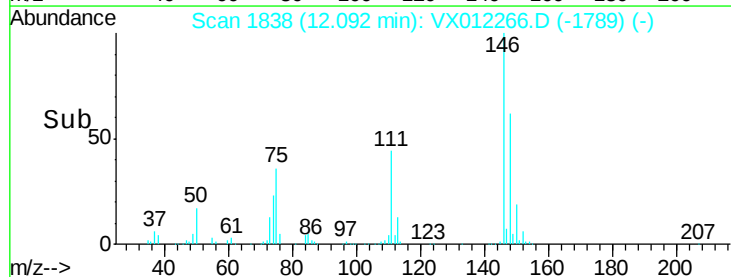
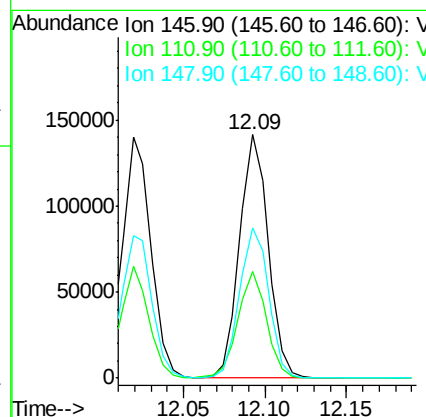
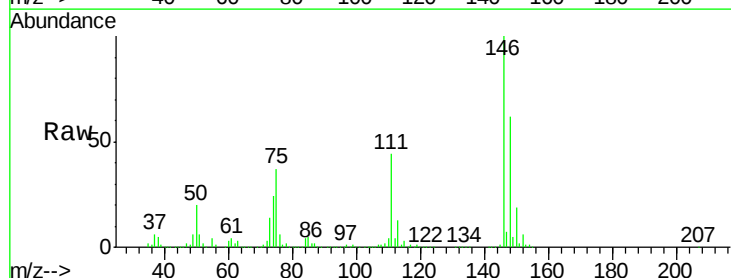
Manual Integrations
 APPROVED

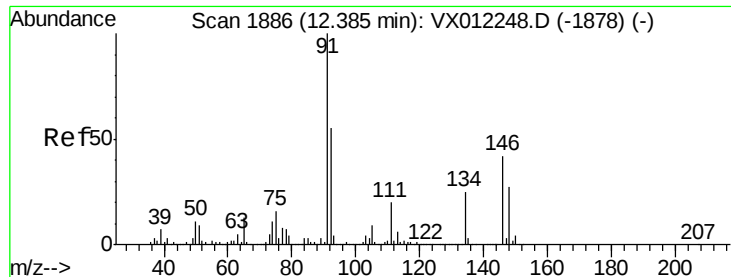
MMDadoda
 9/12/2019 8:59:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.086 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.8
148	63.0	32.4	97.2





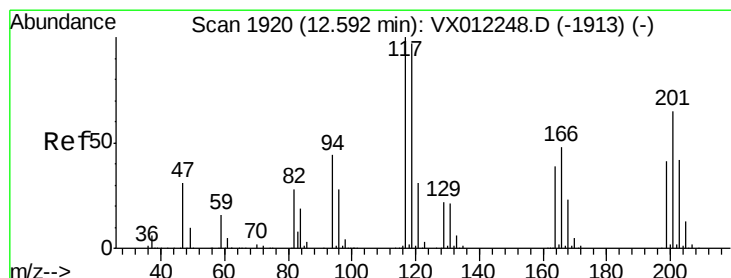
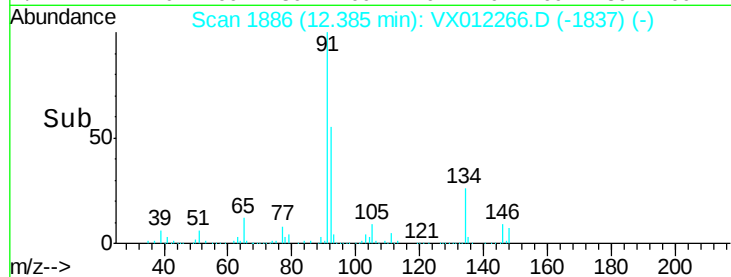
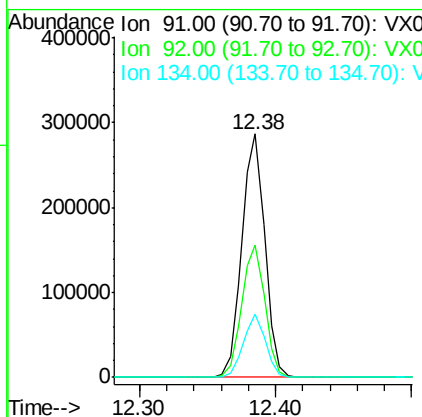
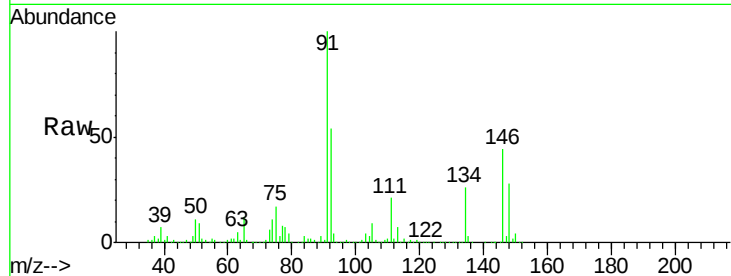
#89
n-Butylbenzene
Concen: 47.854 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		336018		
92	54.8	27.6	82.7		
134	25.0	12.5	37.5		

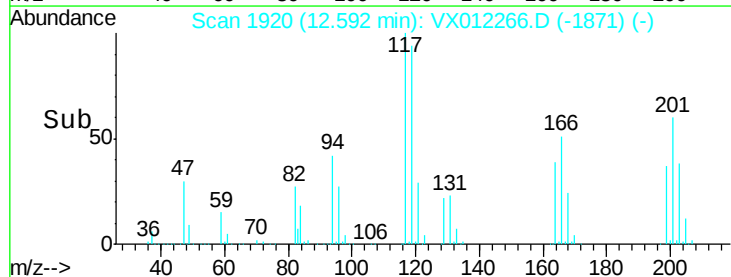
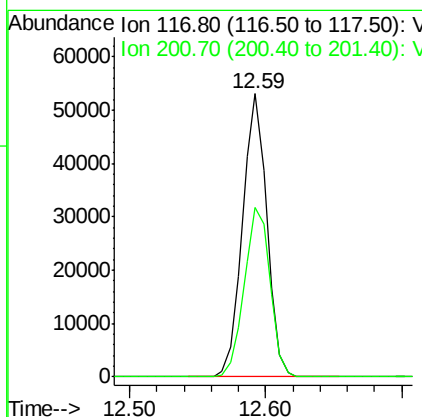
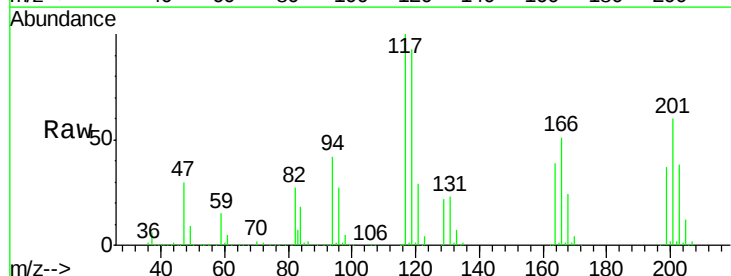
Manual Integrations
APPROVED

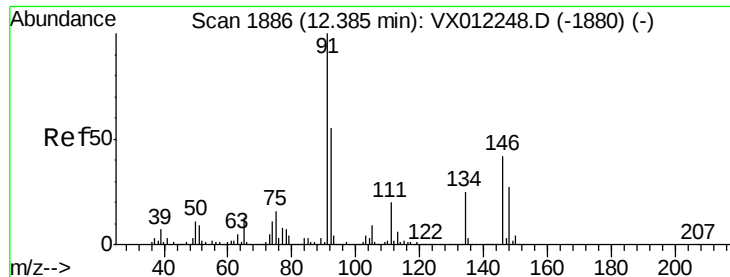
MMDadoda
9/12/2019 8:59:52 AM



#90
Hexachloroethane
Concen: 50.039 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		66030		
201	63.7	32.2	96.6		





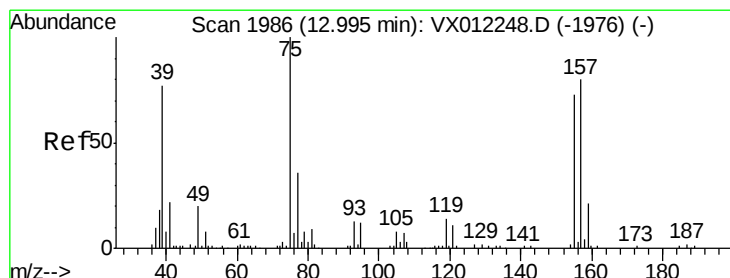
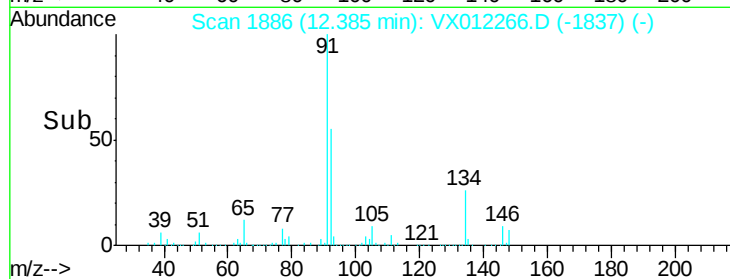
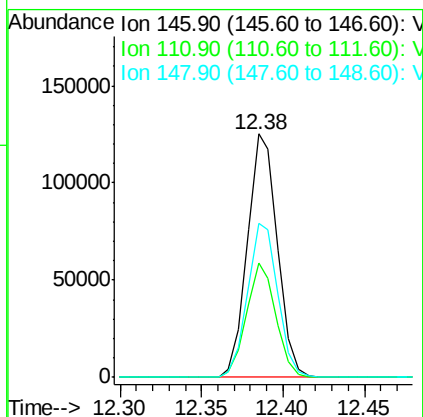
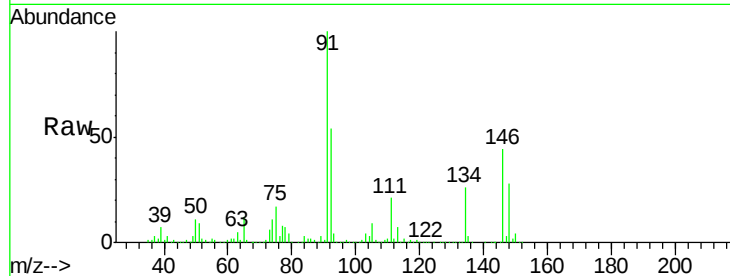
#91
 1,2-Dichlorobenzene
 Concen: 49.570 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.2	69.6
148	64.1	32.4	97.0

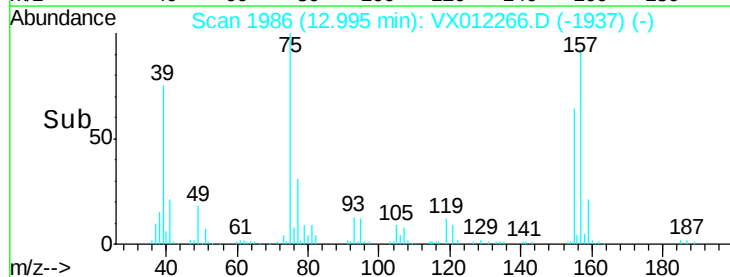
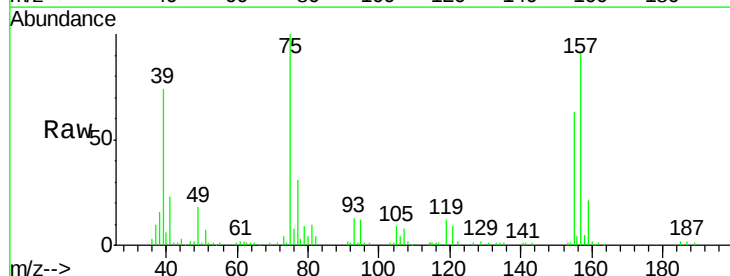
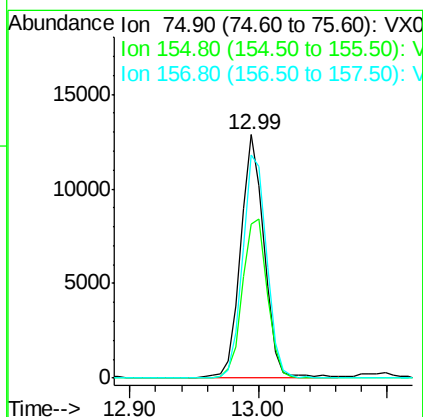
Manual Integrations
 APPROVED

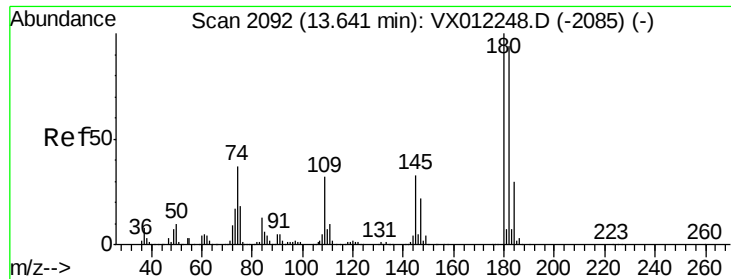
MMDadoda
 9/12/2019 8:59:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.104 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	35.3	105.7
157	92.2	43.2	129.6





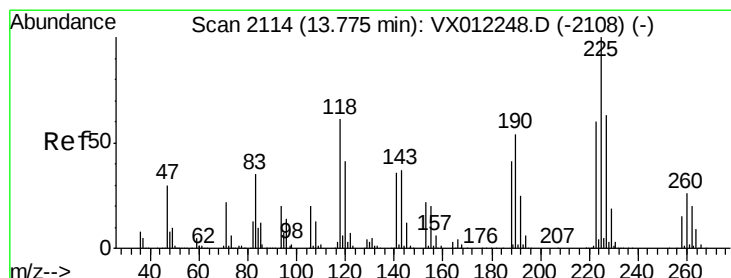
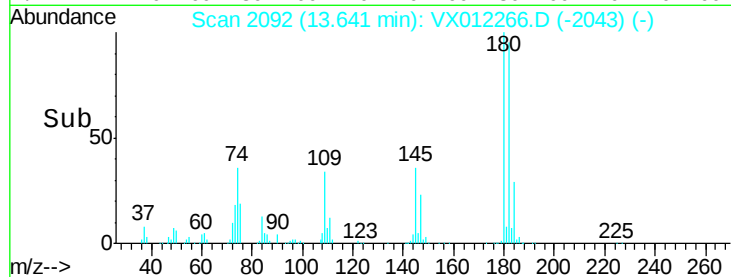
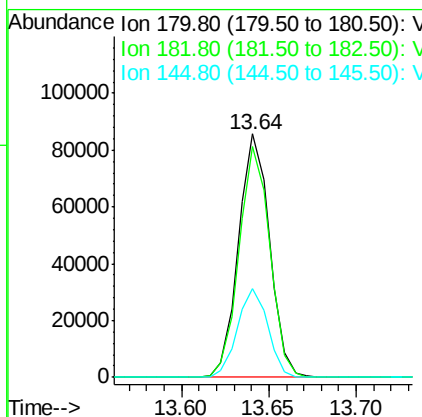
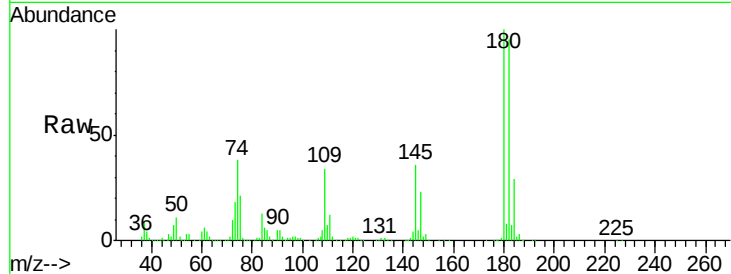
#93
 1,2,4-Trichlorobenzene
 Concen: 47.414 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105714		
182	94.0	46.9	140.8	
145	35.7	17.1	51.2	

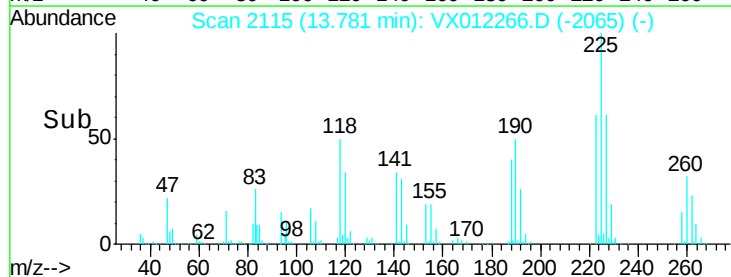
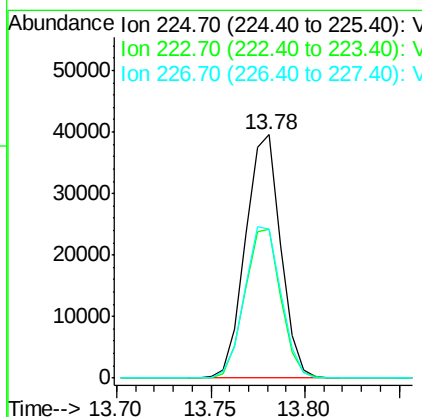
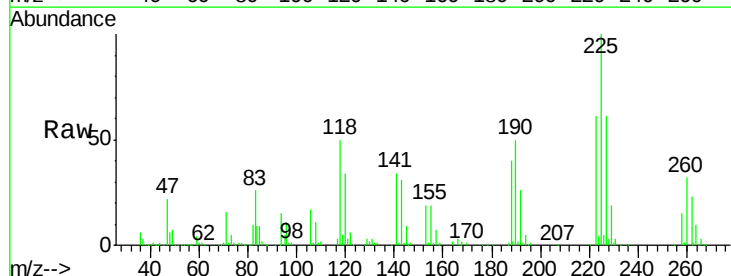
Manual Integrations
 APPROVED

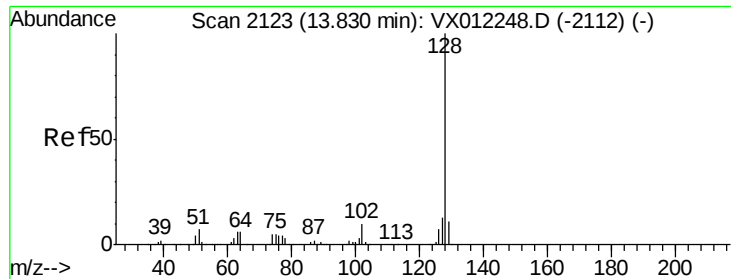
MMDadoda
 9/12/2019 8:59:52 AM



#94
 Hexachlorobutadiene
 Concen: 46.176 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012266.D
 Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51217		
223	62.4	32.1	96.5	
227	64.2	32.5	97.5	





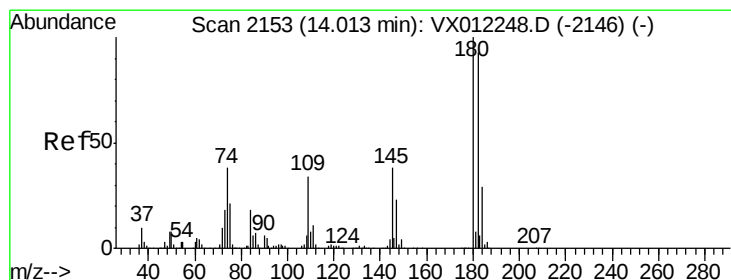
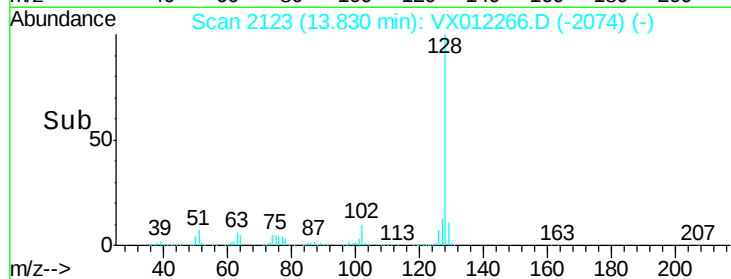
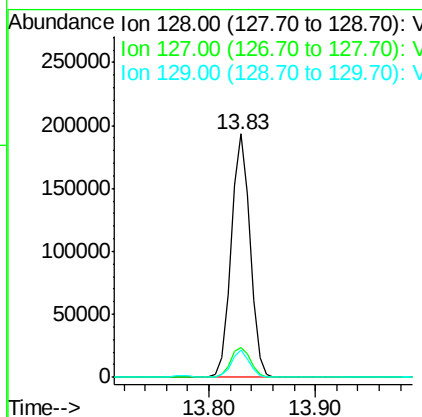
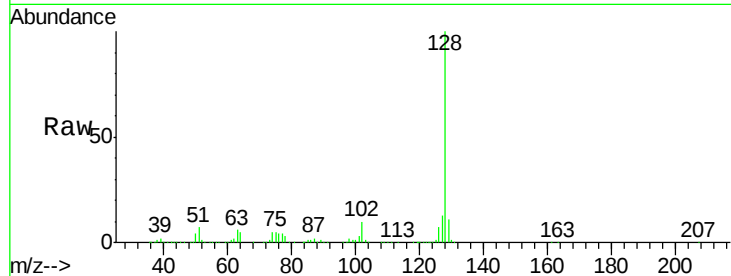
#95
Naphthalene
Concen: 50.209 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240235		
127	13.1		10.2	15.2
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.762 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX012266.D
Acq: 10 Sep 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96194		
182	94.4		47.0	141.0
145	36.5		18.6	55.8

