

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073119\
 Data File : VX011255.D
 Acq On : 31 Jul 2019 20:00
 Operator : JC/SP
 Sample : VX0731MBS02
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 11:19:38 AM

Quant Time: Aug 01 03:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	188251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281268	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	97616	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	5.50	113	85793	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	8.71	98	318356	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.13	95	117643	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34515	17.553	ug/l	98
3) Chloromethane	1.33	50	29956	17.304	ug/l	99
4) Vinyl Chloride	1.41	62	33360	18.893	ug/l	99
5) Bromomethane	1.64	94	21495	21.602	ug/l	95
6) Chloroethane	1.73	64	22444	20.001	ug/l	98
7) Trichlorofluoromethane	1.93	101	59373	19.864	ug/l	95
8) Diethyl Ether	2.19	74	20525	19.930	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32938	19.300	ug/l	99
10) Methyl Iodide	2.51	142	34433	15.375	ug/l	99
11) Tert butyl alcohol	3.04	59	43232	92.691	ug/l	99
12) 1,1-Dichloroethene	2.37	96	30387	18.122	ug/l	95
13) Acrolein	2.29	56	24647	91.463	ug/l	98
14) Allyl chloride	2.73	41	44634	18.326	ug/l	100
15) Acrylonitrile	3.14	53	93836	99.564	ug/l	99
16) Acetone	2.45	43	80680	89.197	ug/l	96
17) Carbon Disulfide	2.57	76	59143	13.750	ug/l	99
18) Methyl Acetate	2.78	43	45616	22.148	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	108585	20.116	ug/l	98
20) Methylene Chloride	2.86	84	35937	18.748	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	32055	18.017	ug/l	97
22) Diisopropyl ether	3.85	45	104026	20.251	ug/l	97
23) Vinyl Acetate	3.82	43	417143	95.841	ug/l	100
24) 1,1-Dichloroethane	3.70	63	58371	19.566	ug/l	99
25) 2-Butanone	4.67	43	126268	97.247	ug/l	99
26) 2,2-Dichloropropane	4.59	77	42795	17.471	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	39367	19.119	ug/l	99
28) Bromochloromethane	5.02	49	26625	18.939	ug/l	100
29) Tetrahydrofuran	5.13	42	79468	96.621	ug/l	99
30) Chloroform	5.21	83	63860	19.804	ug/l	99
31) Cyclohexane	5.58	56	48543	17.852	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	53575	19.204	ug/l	98
36) 1,1-Dichloropropene	5.80	75	42649	18.460	ug/l	99
37) Ethyl Acetate	4.83	43	45371	19.178	ug/l	97
38) Carbon Tetrachloride	5.79	117	44757	18.591	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073119\
 Data File : VX011255.D
 Acq On : 31 Jul 2019 20:00
 Operator : JC/SP
 Sample : VX0731MBS02
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0731MBS02

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 11:19:38 AM

Quant Time: Aug 01 03:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	53279	17.783	ug/l	97
40) Benzene	6.14	78	135712	19.176	ug/l	99
41) Methacrylonitrile	5.04	41	25654	19.102	ug/l	98
42) 1,2-Dichloroethane	6.20	62	48506	19.712	ug/l	99
43) Isopropyl Acetate	6.45	43	73542	18.905	ug/l	99
44) Trichloroethene	7.21	130	38489	18.373	ug/l	92
45) 1,2-Dichloropropane	7.51	63	35865	19.911	ug/l	99
46) Dibromomethane	7.66	93	25528	19.833	ug/l	97
47) Bromodichloromethane	7.90	83	44254	19.315	ug/l	98
48) Methyl methacrylate	7.77	41	38055	20.082	ug/l	95
49) 1,4-Dioxane	7.74	88	19210	362.399	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	259075	102.741	ug/l	99
52) Toluene	8.78	92	89743	19.303	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	44627	18.115	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	50722	18.503	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38843	20.291	ug/l	98
56) Ethyl methacrylate	9.18	69	55132	19.689	ug/l	98
57) 1,3-Dichloropropane	9.37	76	59879	19.718	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	135704	101.524	ug/l	99
59) 2-Hexanone	9.49	43	198674	101.580	ug/l	99
60) Dibromochloromethane	9.58	129	37027	18.485	ug/l	98
61) 1,2-Dibromoethane	9.67	107	39782	19.582	ug/l	98
64) Tetrachloroethene	9.34	164	40394	20.104	ug/l	96
65) Chlorobenzene	10.14	112	101397	19.329	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	35499	19.254	ug/l	96
67) Ethyl Benzene	10.25	91	173935	19.479	ug/l	99
68) m/p-Xylenes	10.36	106	133098	38.859	ug/l	99
69) o-Xylene	10.69	106	65351	19.550	ug/l	100
70) Styrene	10.71	104	110247	19.784	ug/l	99
71) Bromoform	10.85	173	25986	17.240	ug/l #	100
73) Isopropylbenzene	11.02	105	179926	19.987	ug/l	99
74) N-amyl acetate	10.90	43	66731	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	60110	20.404	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	48868m	20.326	ug/l	
77) Bromobenzene	11.26	156	48354	19.473	ug/l	99
78) n-propylbenzene	11.36	91	196689	19.774	ug/l	98
79) 2-Chlorotoluene	11.42	91	117669	19.693	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	148226	19.705	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	13738	17.305	ug/l	87
82) 4-Chlorotoluene	11.51	91	136098	19.570	ug/l	100
83) tert-Butylbenzene	11.77	119	147915	20.019	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	150126	19.801	ug/l	99
85) sec-Butylbenzene	11.94	105	176059	20.336	ug/l	99
86) p-Isopropyltoluene	12.06	119	160487	20.051	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	84346	19.573	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	84439	19.106	ug/l	97
89) n-Butylbenzene	12.38	91	139698	20.401	ug/l	97
90) Hexachloroethane	12.60	117	21837	17.298	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	85790	20.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12005	19.495	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073119\
Data File : VX011255.D
Acq On : 31 Jul 2019 20:00
Operator : JC/SP
Sample : VX0731MBS02
Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

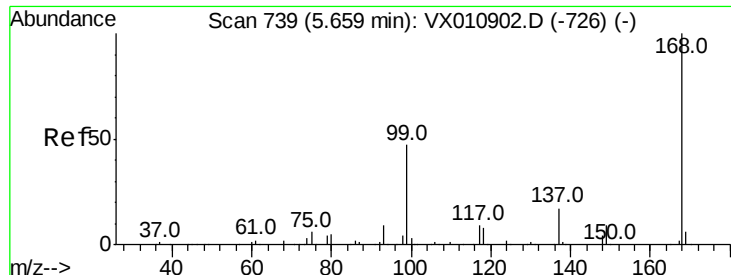
Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM

Quant Time: Aug 01 03:39:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59637	20.605	ug/l	99
94) Hexachlorobutadiene	13.78	225	28863	20.123	ug/l	98
95) Naphthalene	13.83	128	189323	22.151	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	59336	20.604	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:168 Resp: 188251

Ion Ratio Lower Upper

168 100

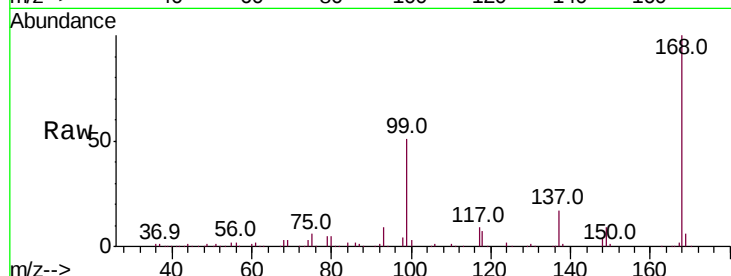
99 50.7 37.6 56.4

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

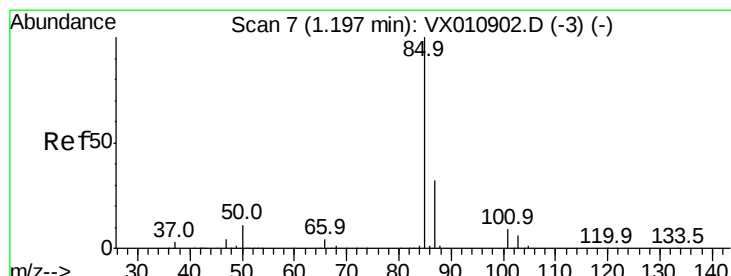
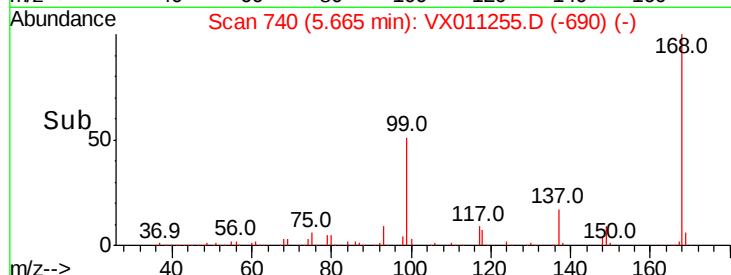
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.553 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011255.D

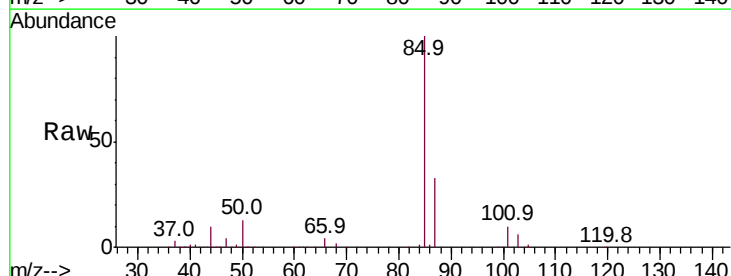
Acq: 31 Jul 2019 20:00

Tgt Ion: 85 Resp: 34515

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

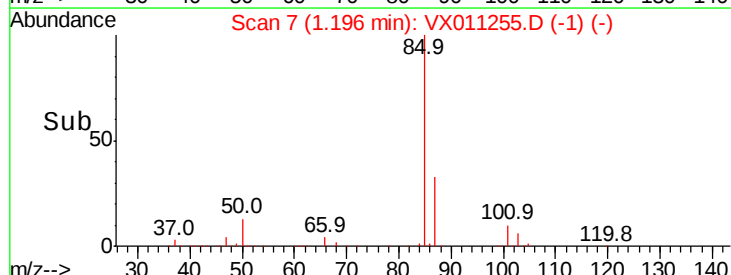
20000

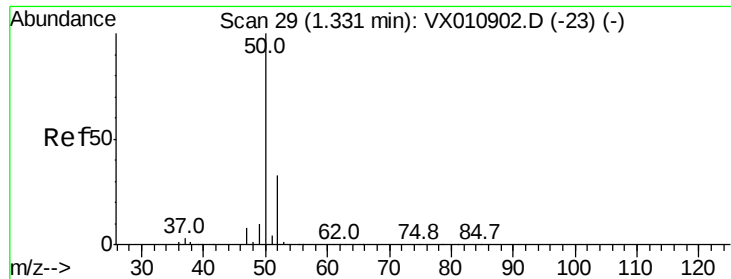
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.304 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 50 Resp: 29956

Ion Ratio Lower Upper

50 100

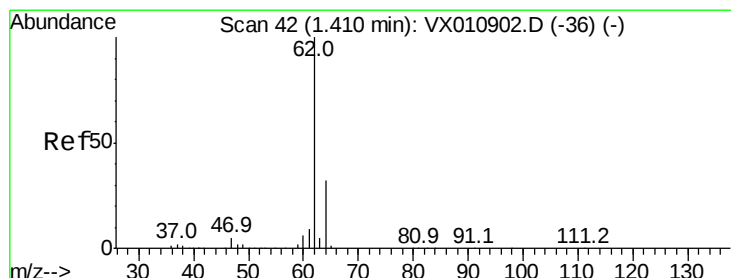
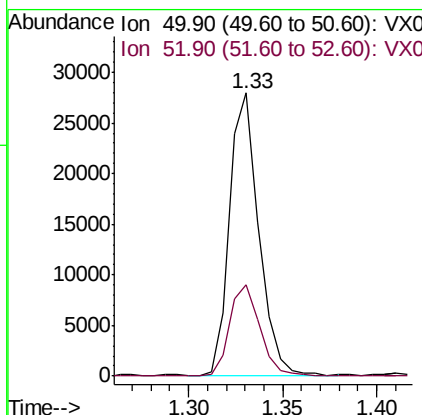
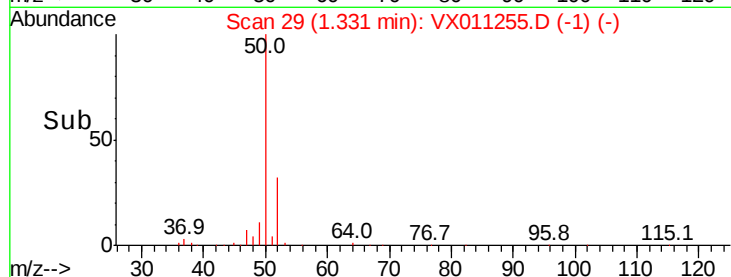
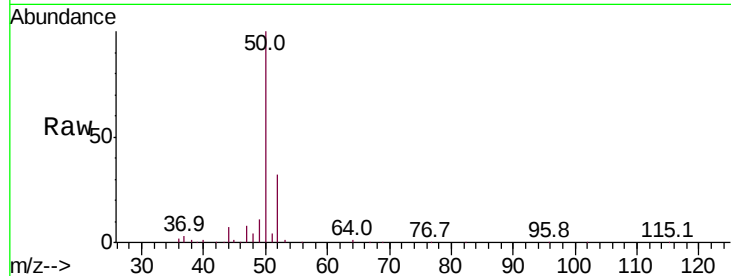
52 32.3 26.4 39.6

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#4

Vinyl Chloride

Concen: 18.893 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011255.D

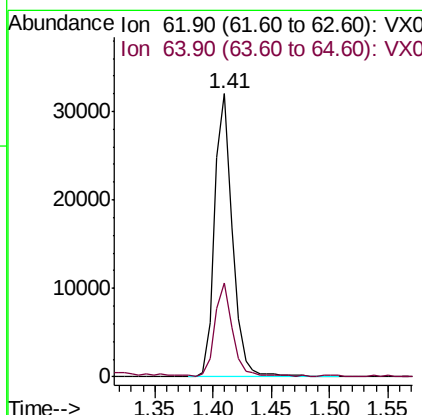
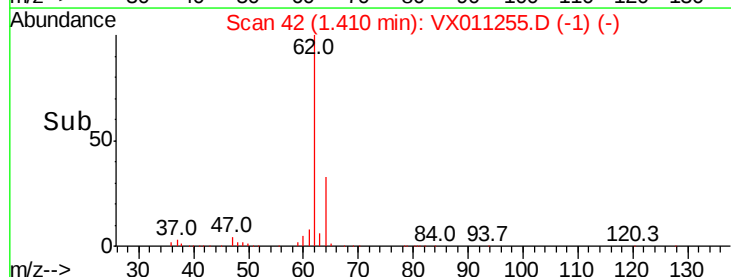
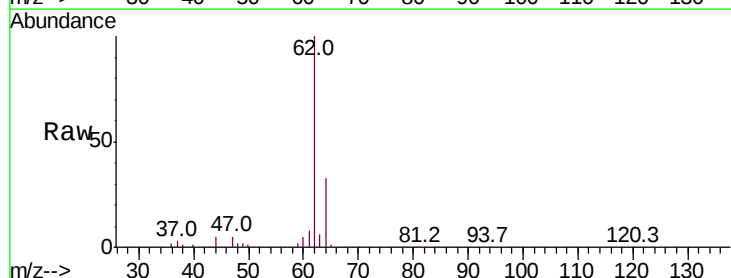
Acq: 31 Jul 2019 20:00

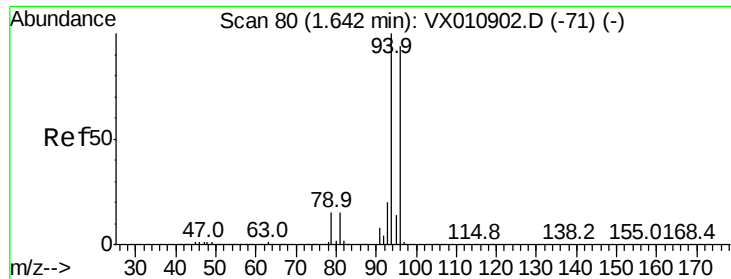
Tgt Ion: 62 Resp: 33360

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 21.602 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 94 Resp: 21495

Ion Ratio Lower Upper

94 100

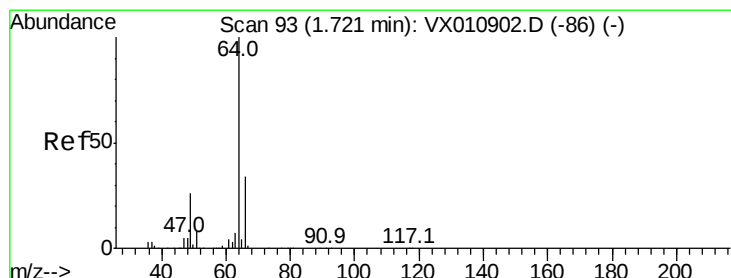
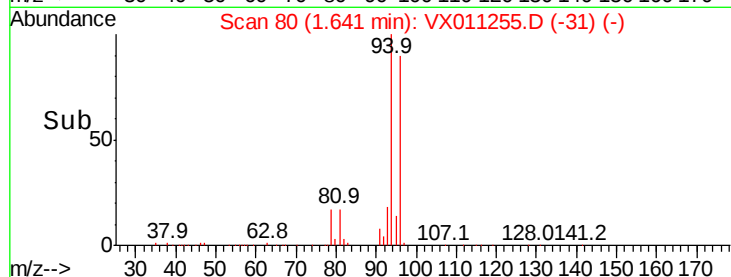
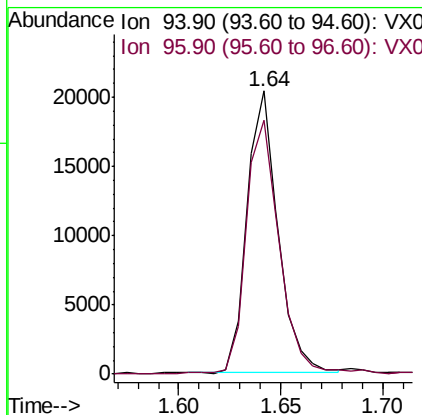
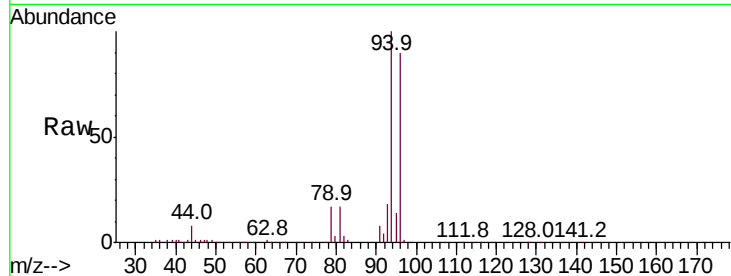
96 89.6 75.6 113.4

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#6

Chloroethane

Concen: 20.001 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011255.D

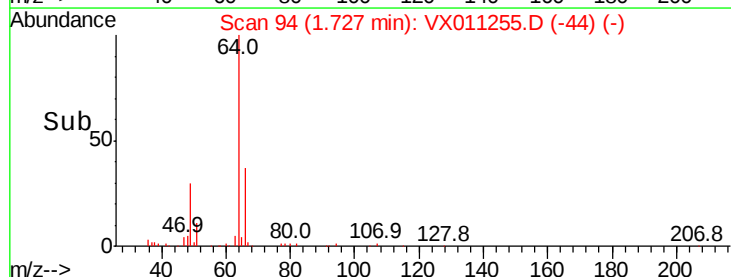
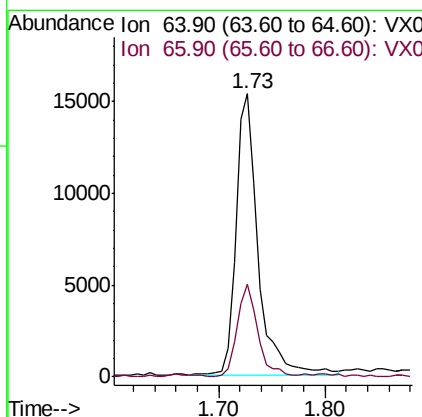
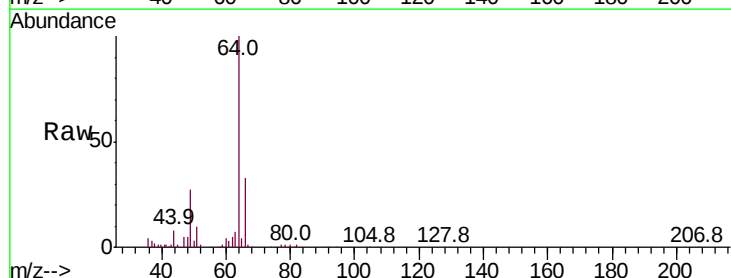
Acq: 31 Jul 2019 20:00

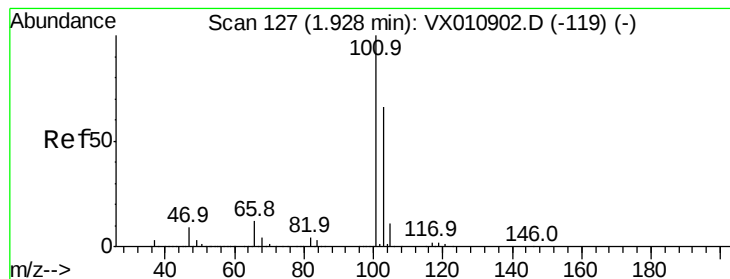
Tgt Ion: 64 Resp: 22444

Ion Ratio Lower Upper

64 100

66 32.5 27.0 40.6





#7

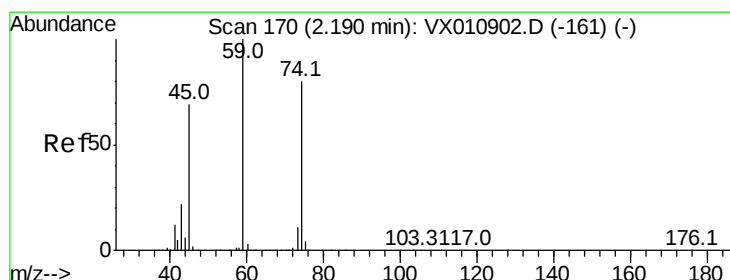
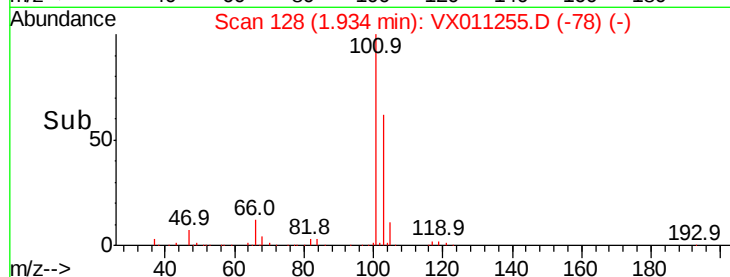
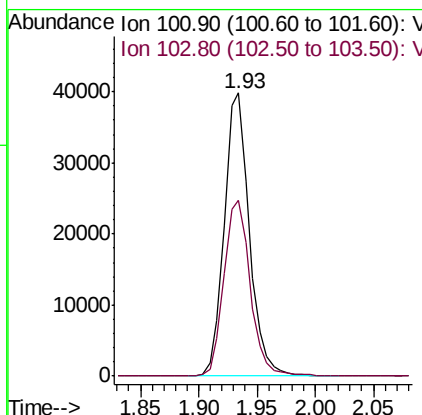
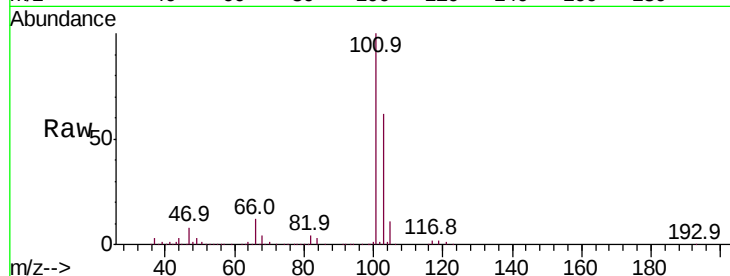
Trichlorofluoromethane
Concen: 19.864 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.6	78.8

Manual Integrations
APPROVED

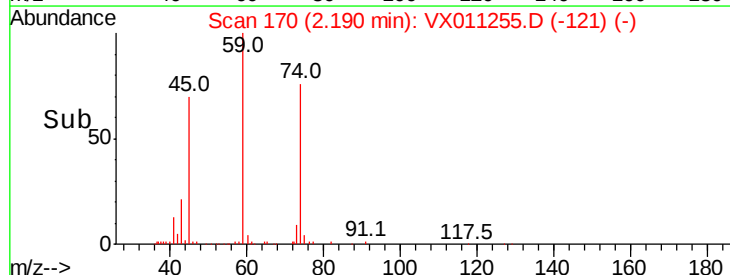
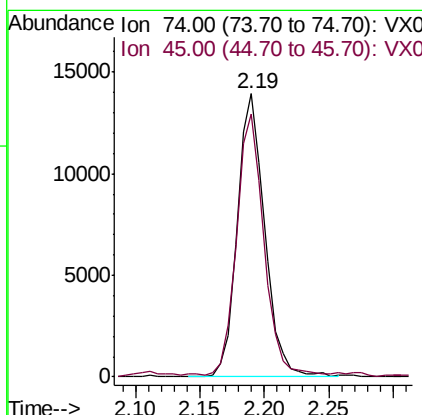
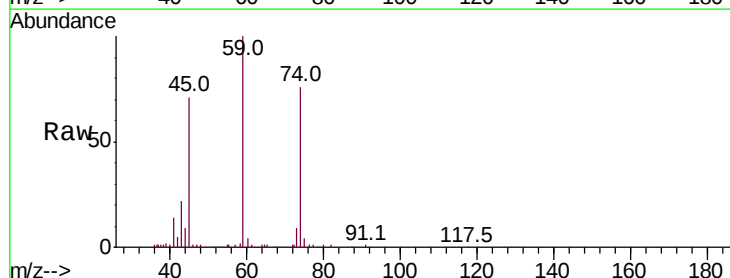
MMdadoda
8/1/2019 11:19:38 AM

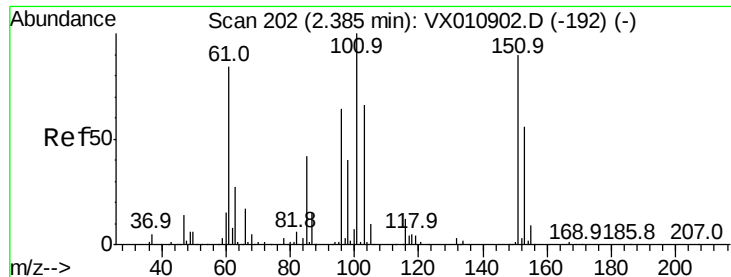


#8

Diethyl Ether
Concen: 19.930 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.300 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:101 Resp: 32938

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

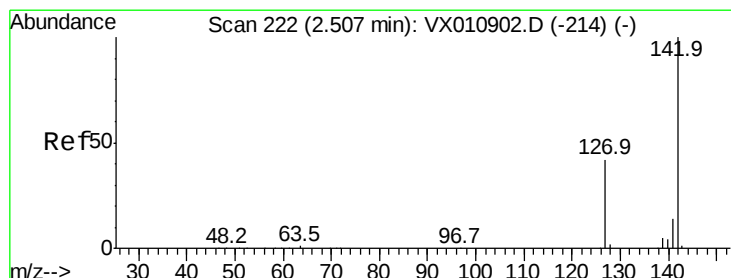
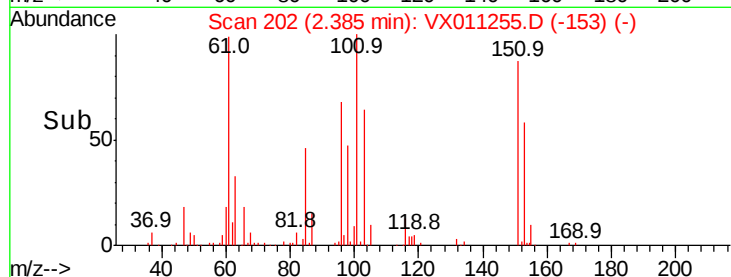
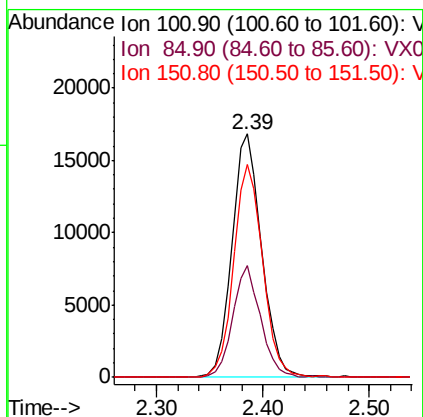
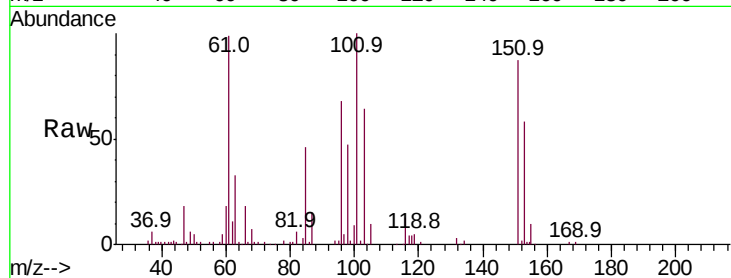
151 85.3 69.6 104.4

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#10

Methyl Iodide

Concen: 15.375 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

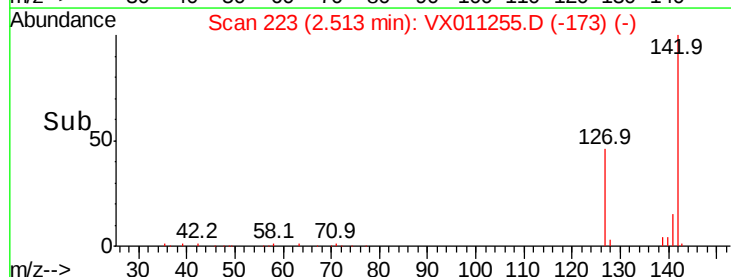
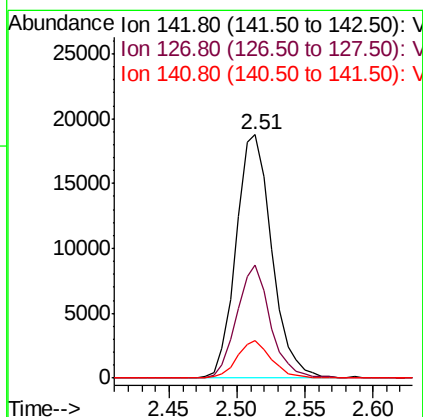
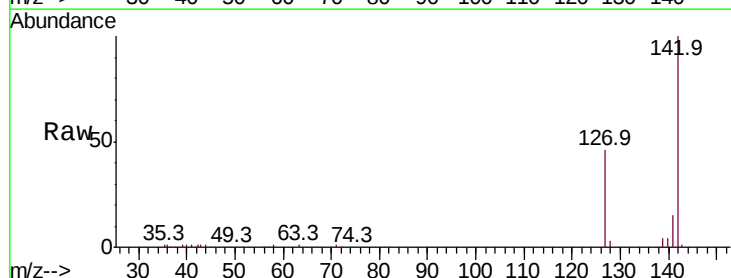
Tgt Ion:142 Resp: 34433

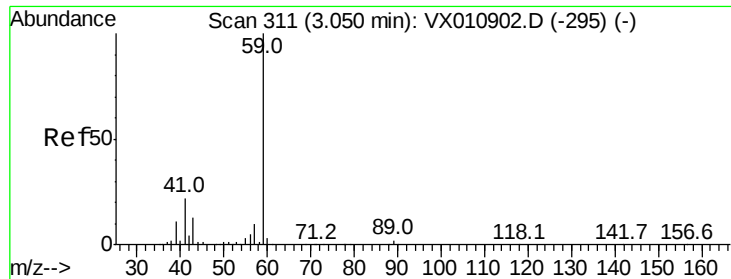
Ion Ratio Lower Upper

142 100

127 43.7 34.2 51.4

141 14.8 11.7 17.5





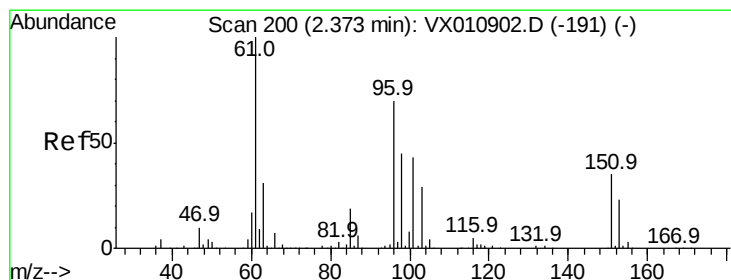
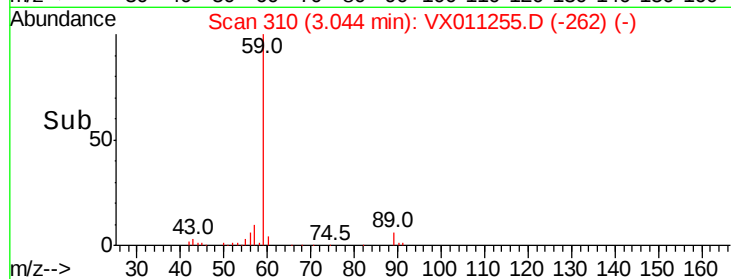
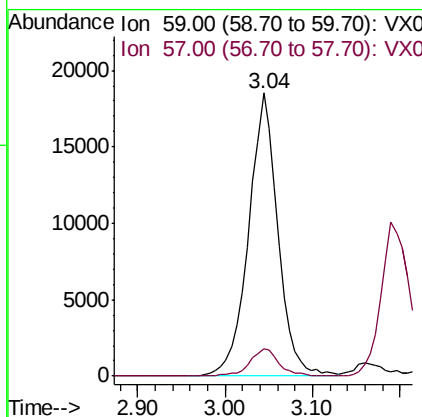
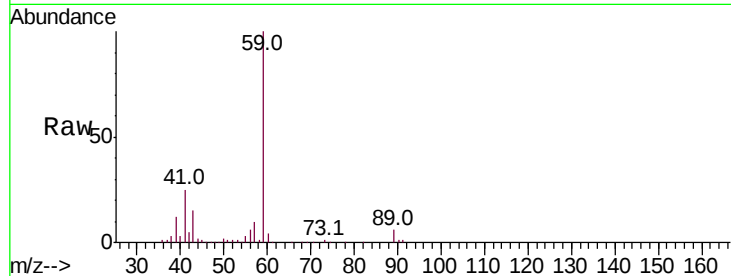
#11
Tert butyl alcohol
Concen: 92.691 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.9	11.9

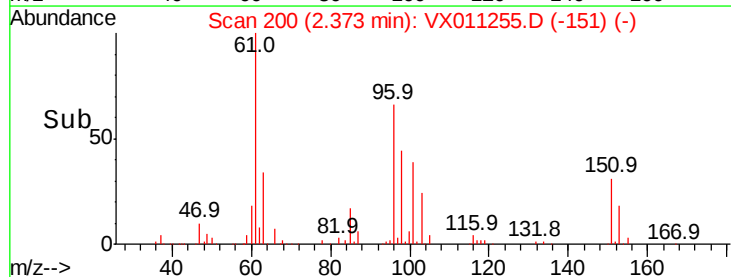
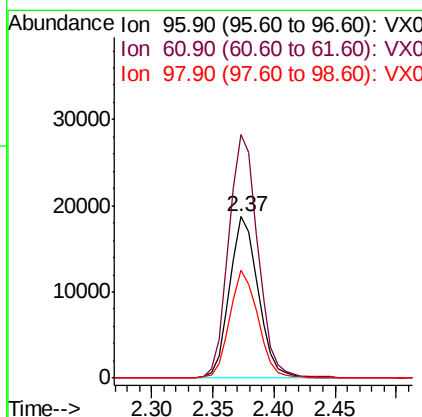
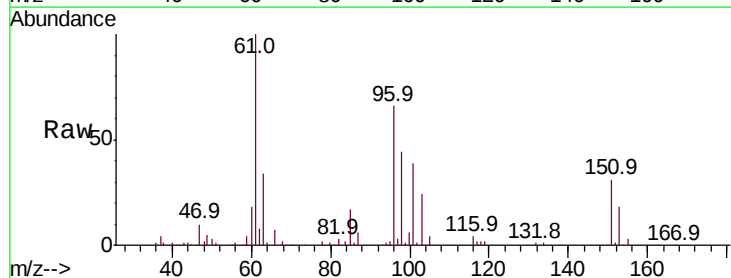
Manual Integrations
APPROVED

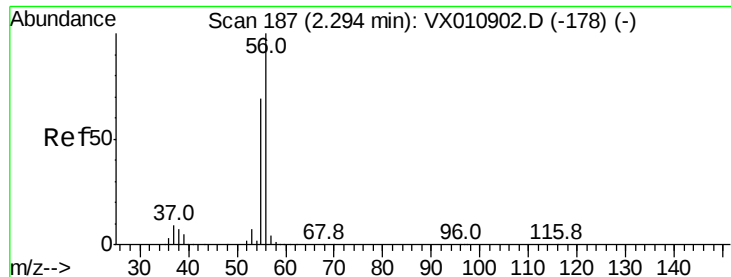
MMdadoda
8/1/2019 11:19:38 AM



#12
1,1-Dichloroethene
Concen: 18.122 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	115.0	172.4
98	66.8	52.2	78.2





#13

Acrolein

Concen: 91.463 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 56 Resp: 24647

Ion Ratio Lower Upper

56 100

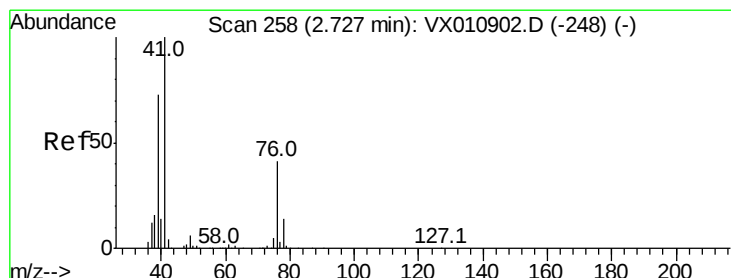
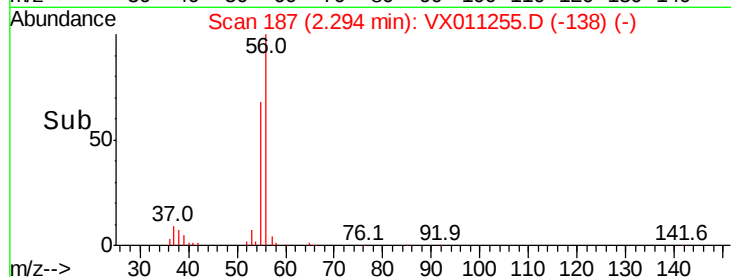
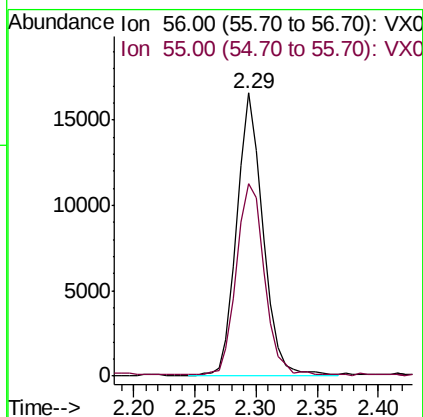
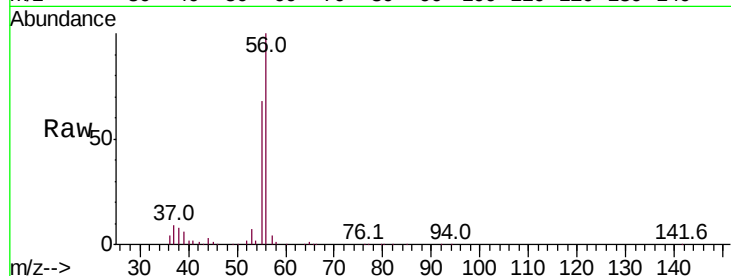
55 71.8 55.9 83.9

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#14

Allyl chloride

Concen: 18.326 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

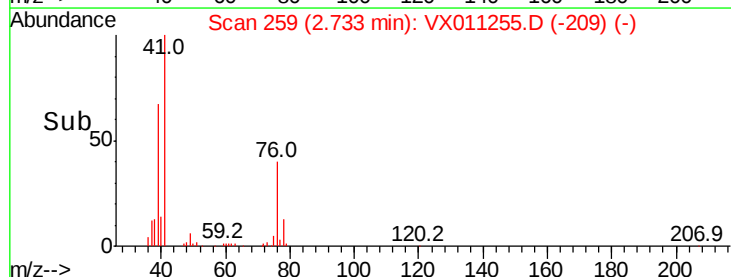
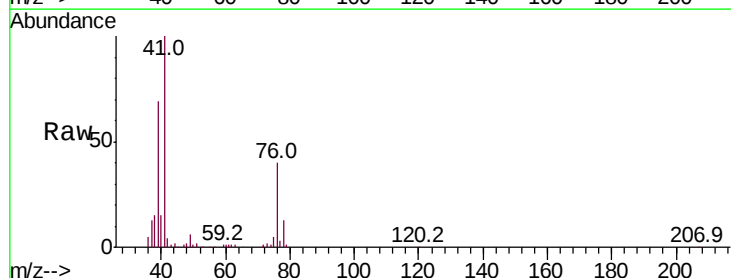
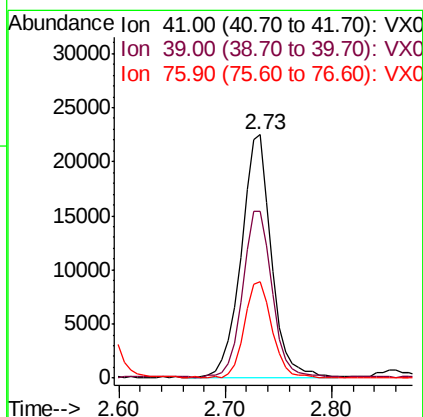
Tgt Ion: 41 Resp: 44634

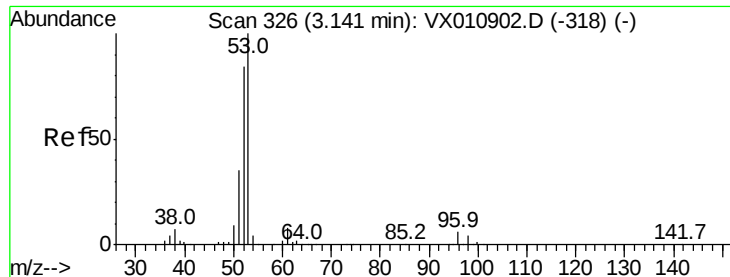
Ion Ratio Lower Upper

41 100

39 67.2 53.6 80.4

76 36.9 29.7 44.5





#15

Acrylonitrile

Concen: 99.564 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

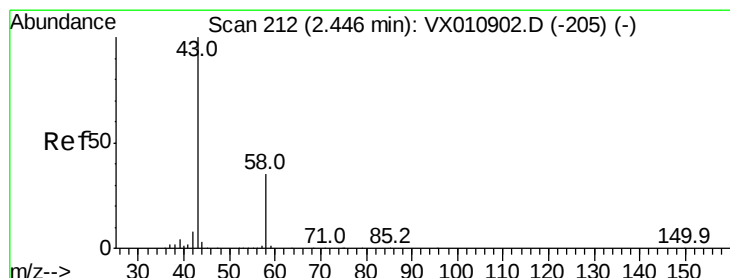
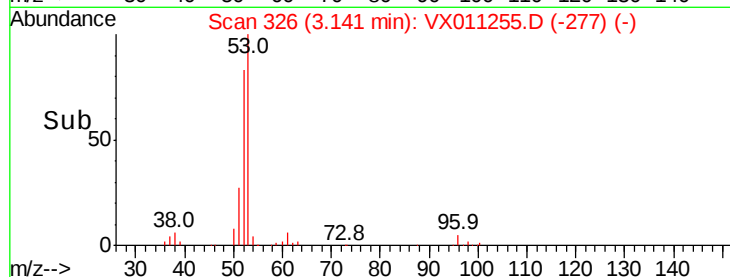
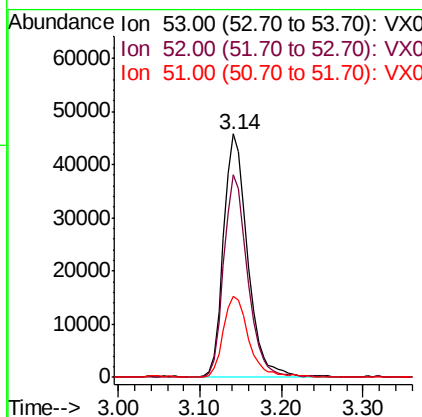
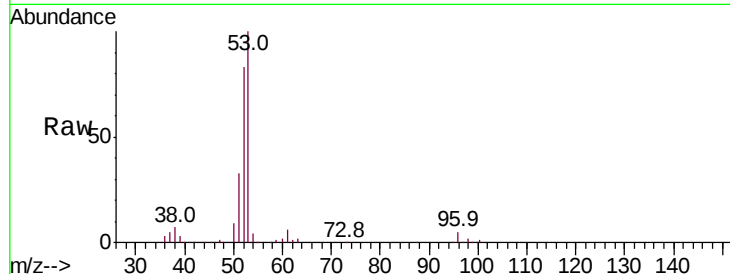
ClientSampleId :

VX0731MBS02

Tot Ion:	53	Resp:	93836
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.5	99.7
51	34.9	28.2	42.4

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#16

Acetone

Concen: 89.197 ug/l

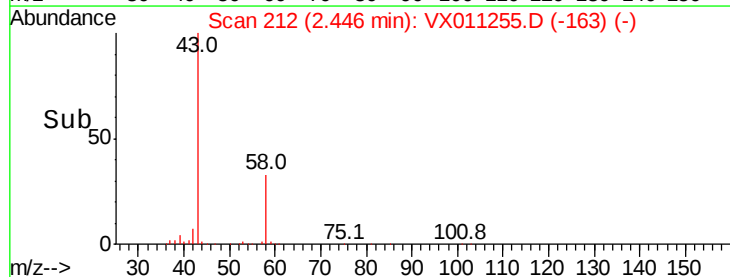
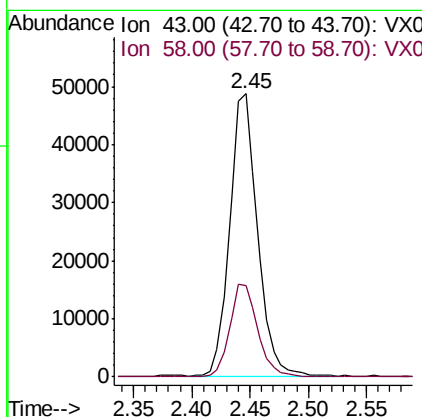
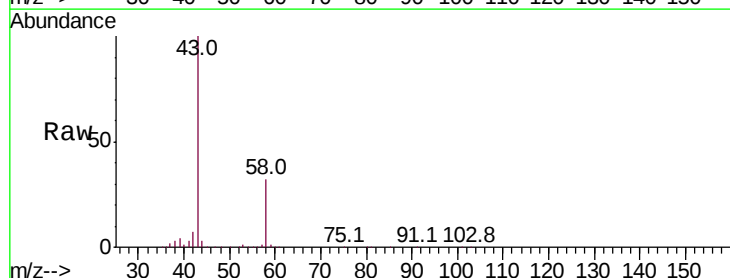
RT: 2.45 min Scan# 212

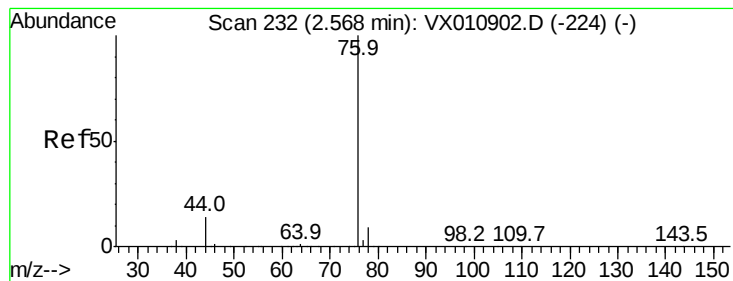
Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Tgt Ion:	43	Resp:	80680
Ion Ratio	Lower	Upper	
43	100		
58	32.5	27.7	41.5





#17

Carbon Disulfide

Concen: 13.750 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 76 Resp: 59143

Ion Ratio Lower Upper

76 100

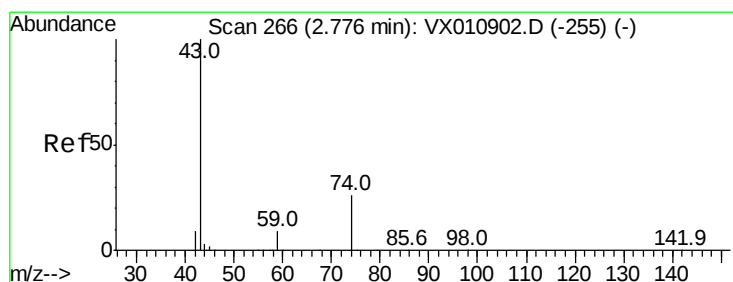
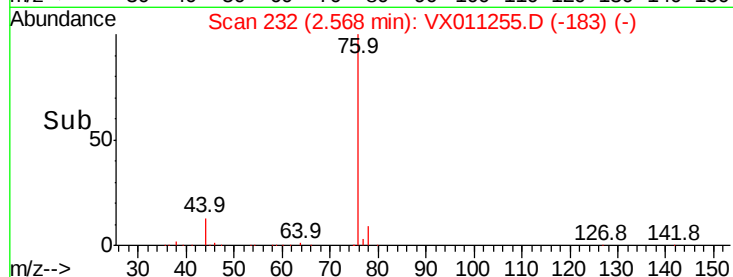
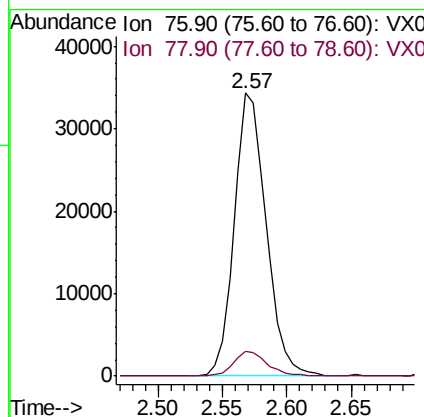
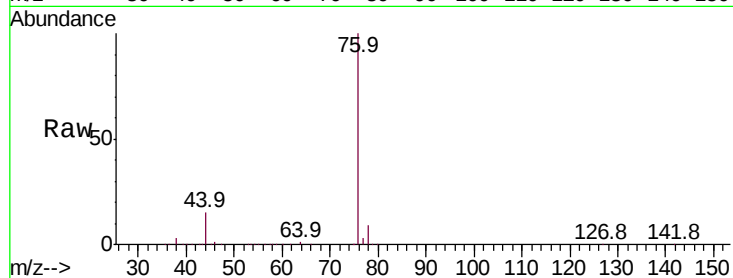
78 8.8 7.4 11.0

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#18

Methyl Acetate

Concen: 22.148 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX011255.D

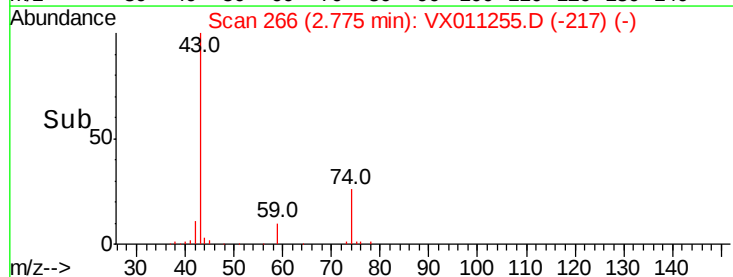
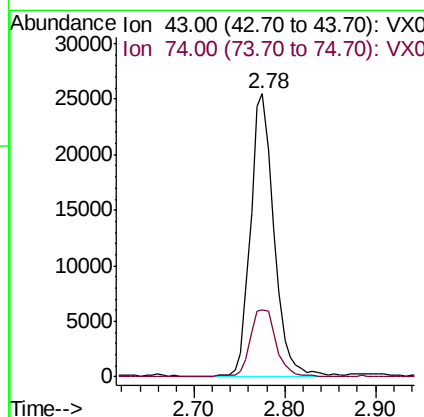
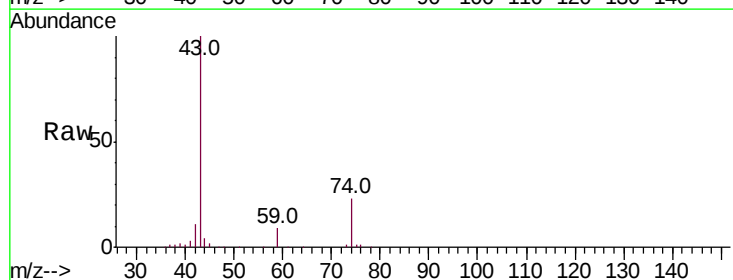
Acq: 31 Jul 2019 20:00

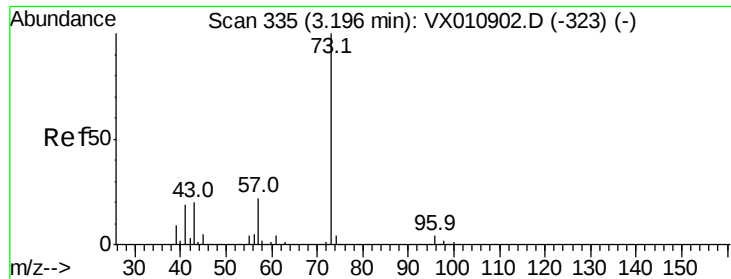
Tgt Ion: 43 Resp: 45616

Ion Ratio Lower Upper

43 100

74 26.6 21.5 32.3





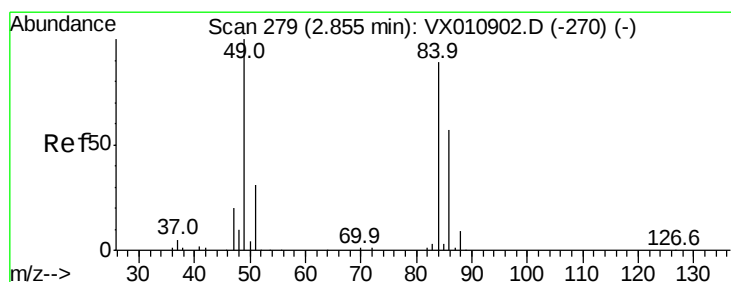
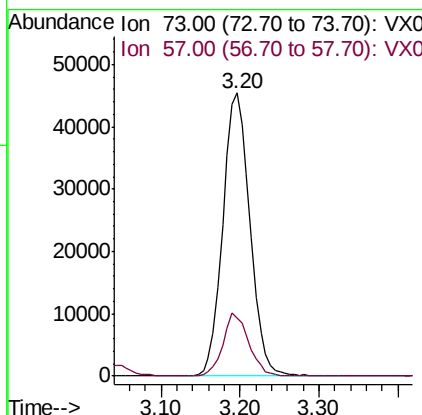
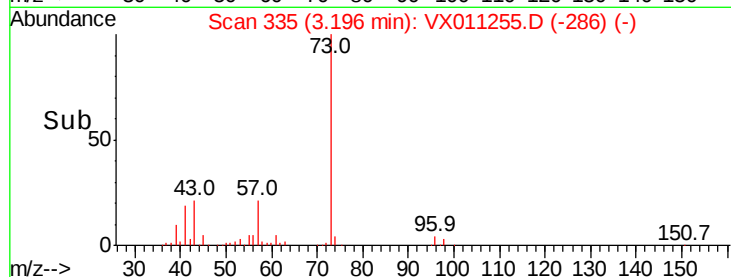
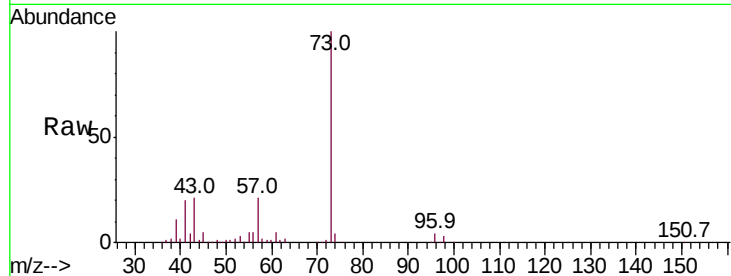
#19
Methyl tert-butyl Ether
Concen: 20.116 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.3	25.9

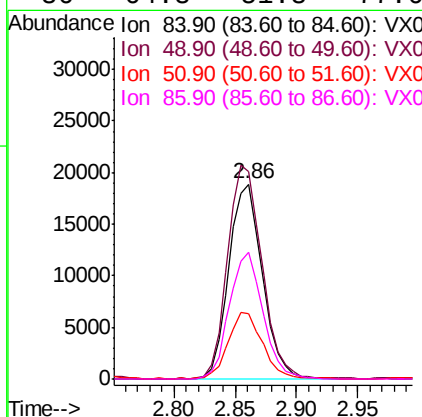
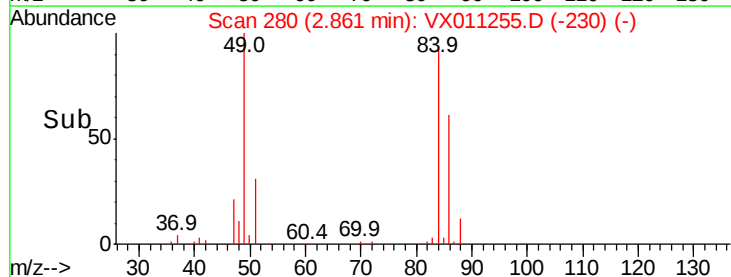
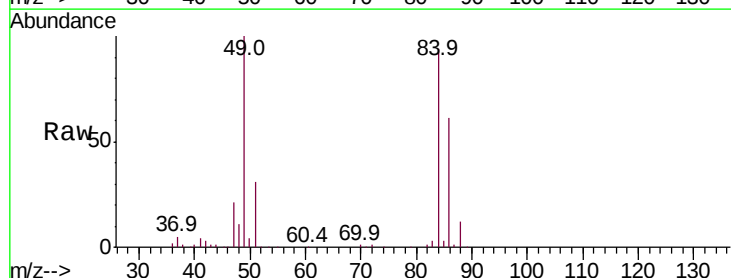
Manual Integrations
APPROVED

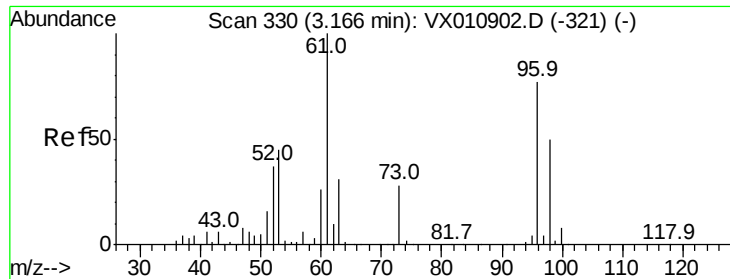
MMDadoda
8/1/2019 11:19:38 AM



#20
Methylene Chloride
Concen: 18.748 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.5	89.9	134.9
51	33.2	27.8	41.6
86	64.8	51.8	77.6





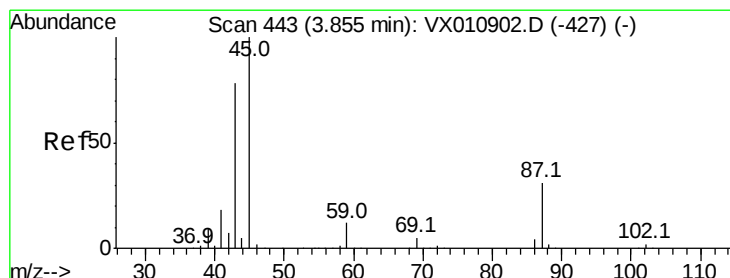
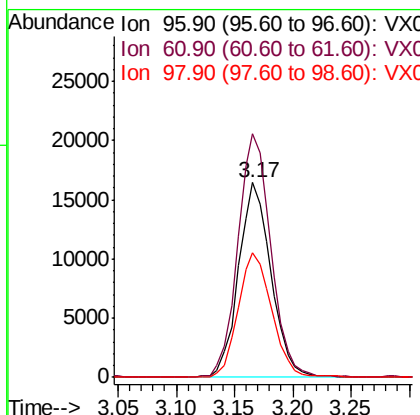
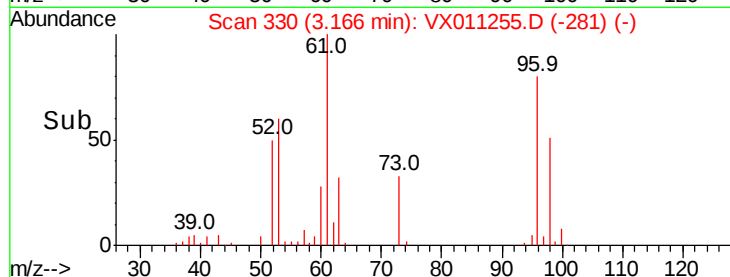
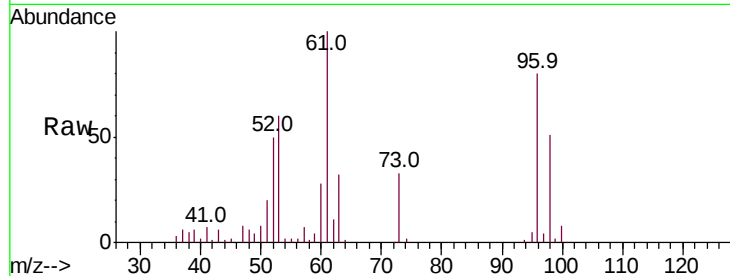
#21
trans-1,2-Dichloroethene
Concen: 18.017 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.2	104.2	156.2
98	63.9	52.2	78.4

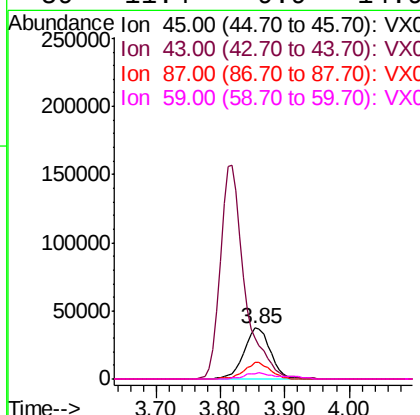
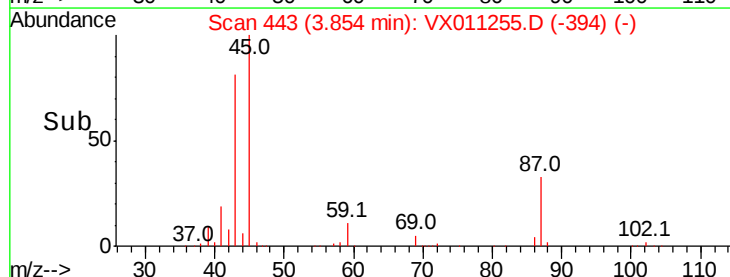
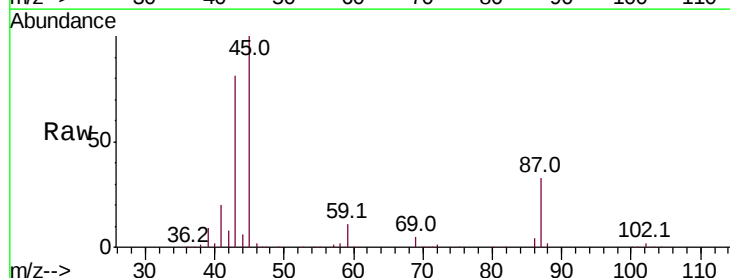
Manual Integrations
APPROVED

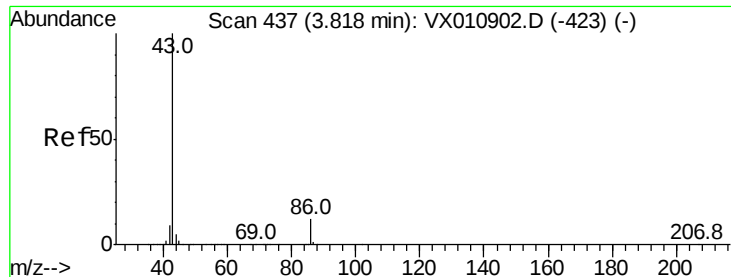
MMDadoda
8/1/2019 11:19:38 AM



#22
Diisopropyl ether
Concen: 20.251 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.2	62.3	93.5
87	32.6	25.0	37.4
59	11.4	9.9	14.9





#23

Vinyl Acetate

Concen: 95.841 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampled :

VX0731MBS02

Tot Ion: 43 Resp: 417143

Ion Ratio Lower Upper

43 100

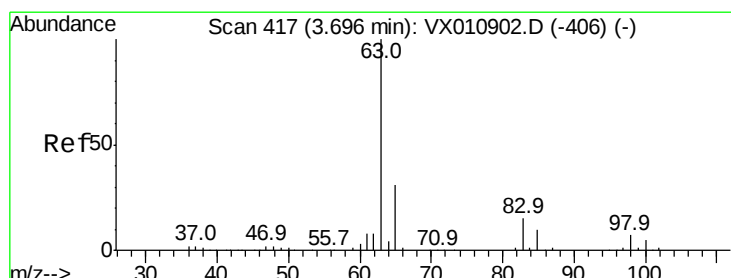
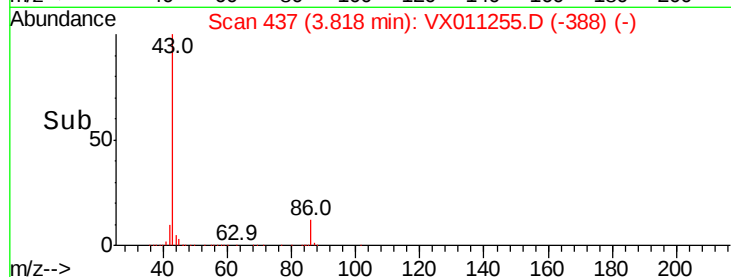
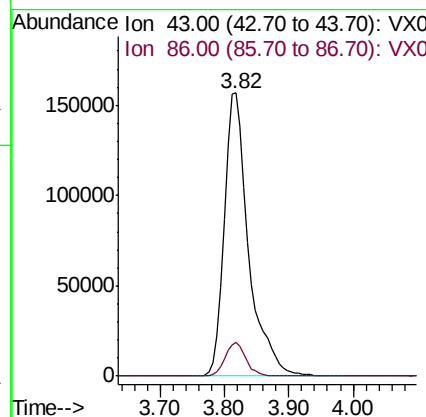
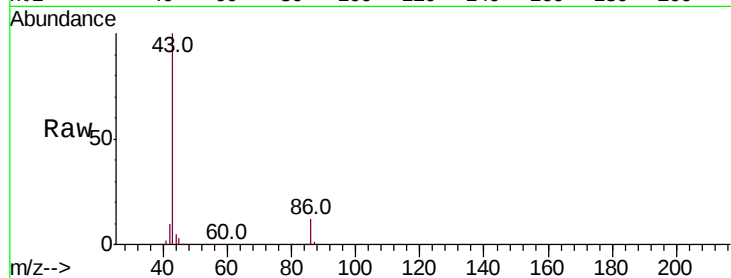
86 11.9 9.4 14.0

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#24

1,1-Dichloroethane

Concen: 19.566 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

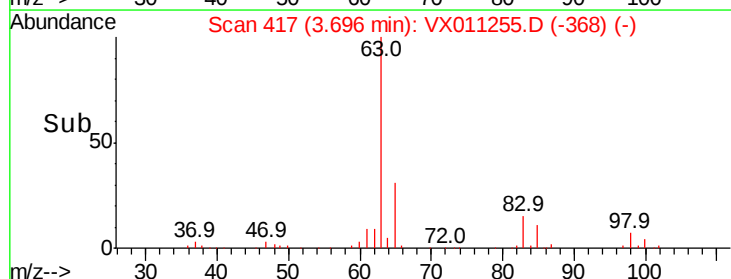
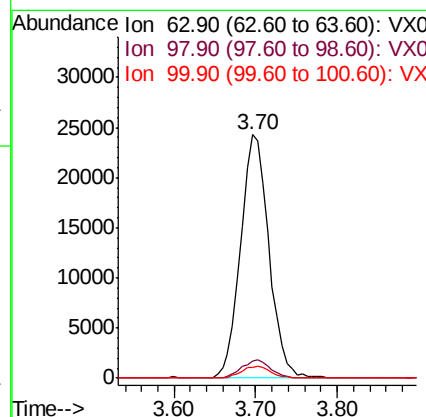
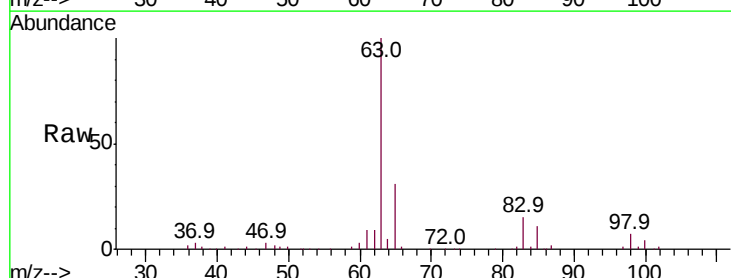
Tgt Ion: 63 Resp: 58371

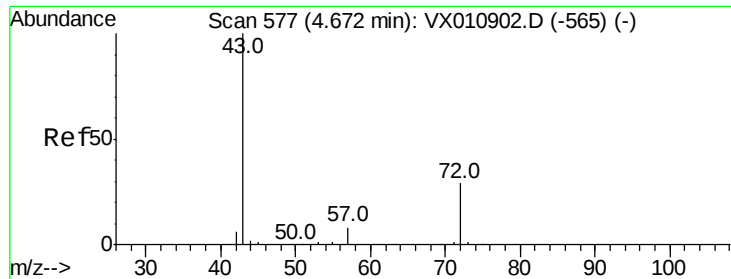
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 97.247 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 43 Resp: 126268

Ion Ratio Lower Upper

43 100

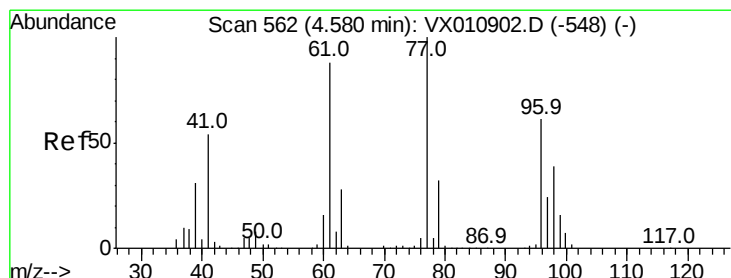
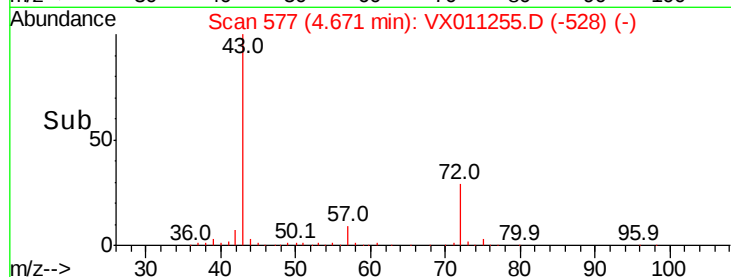
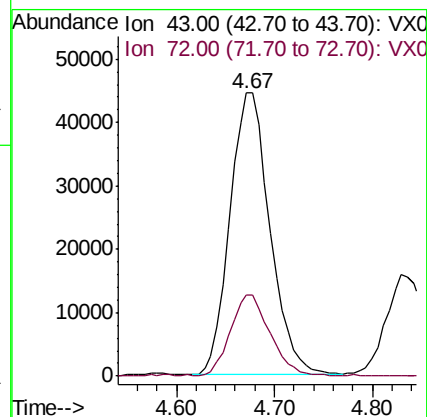
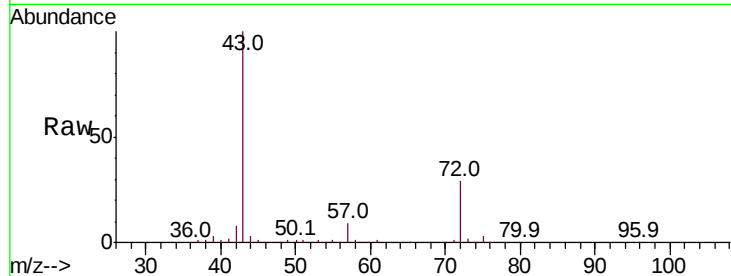
72 28.5 23.0 34.6

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#26

2,2-Dichloropropane

Concen: 17.471 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011255.D

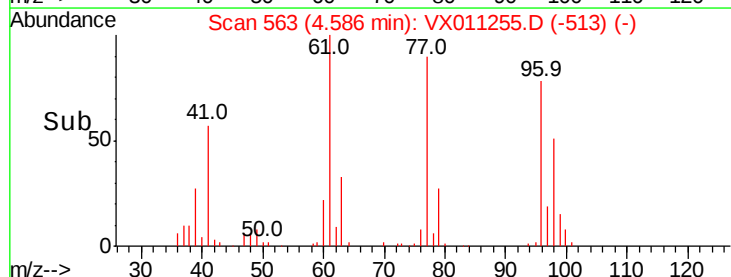
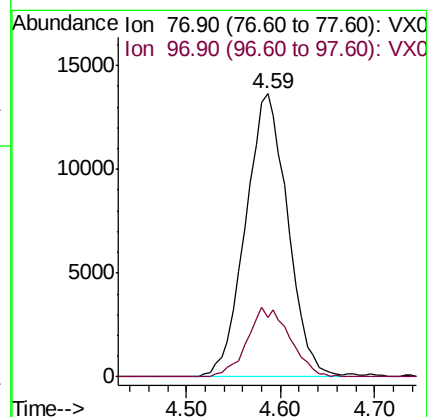
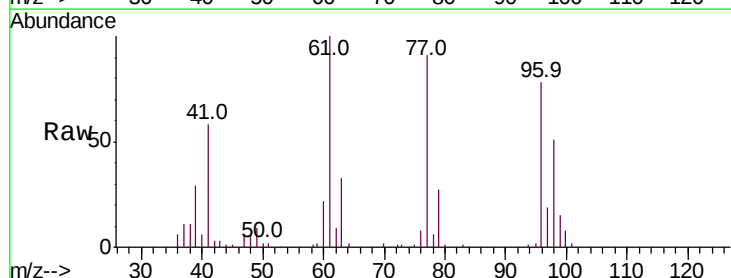
Acq: 31 Jul 2019 20:00

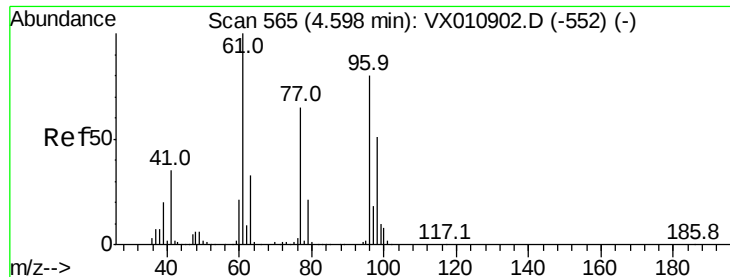
Tgt Ion: 77 Resp: 42795

Ion Ratio Lower Upper

77 100

97 24.7 12.6 37.6





#27

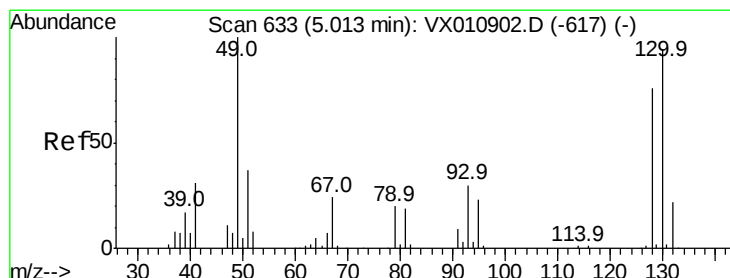
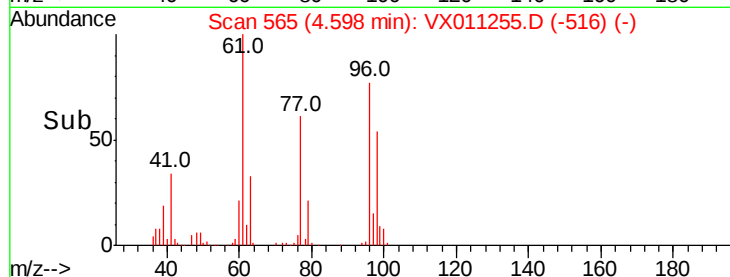
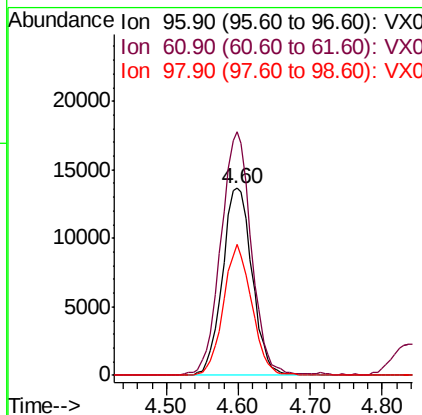
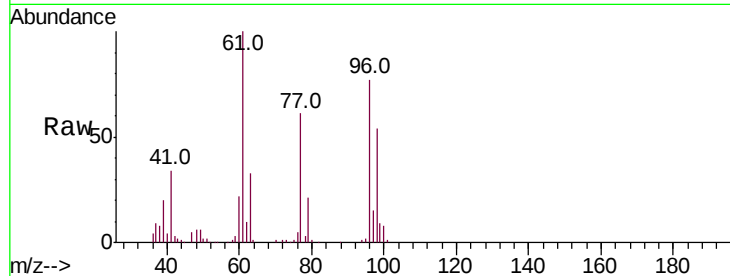
cis-1,2-Dichloroethene
Concen: 19.119 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	269.0
98	66.4	0.0	131.4

Manual Integrations
APPROVED

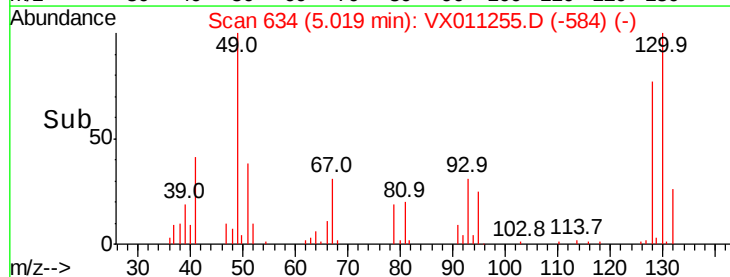
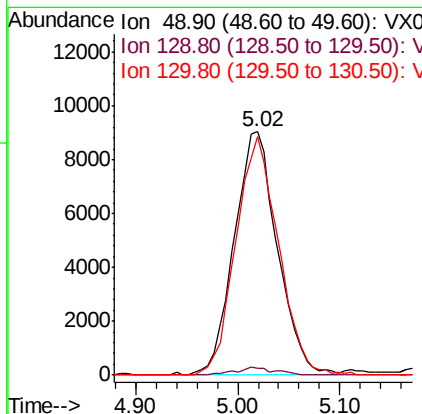
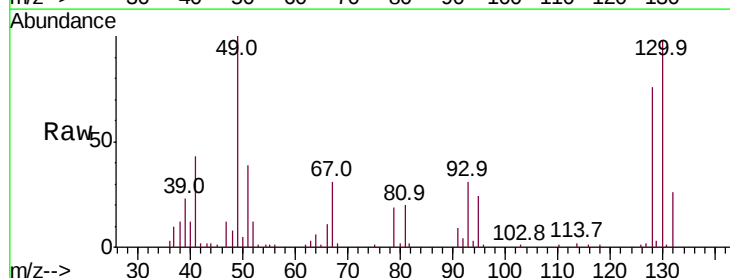
MMdadoda
8/1/2019 11:19:38 AM

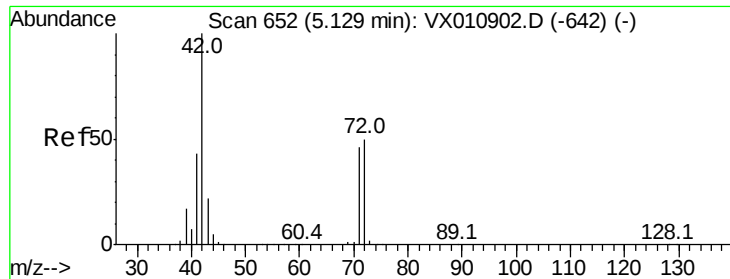


#28

Bromochloromethane
Concen: 18.939 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.2
130	96.6	76.9	115.3





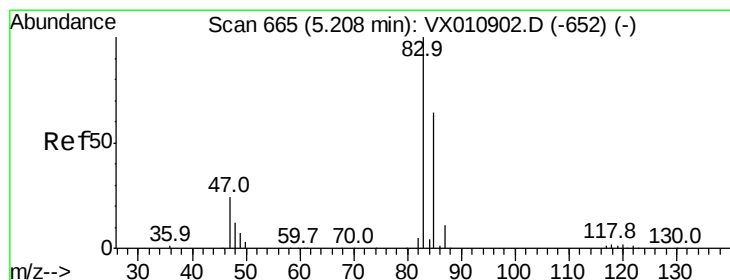
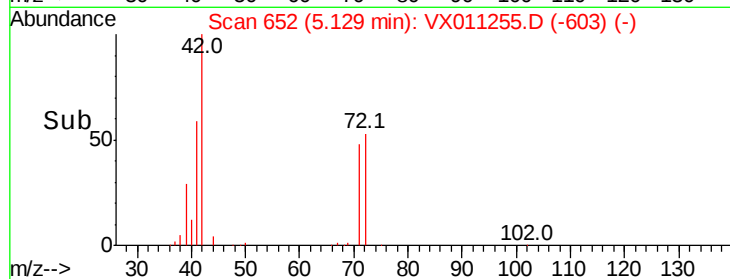
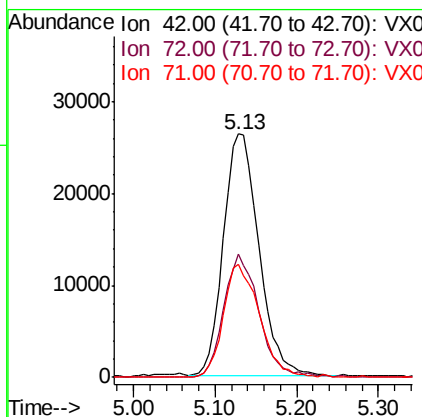
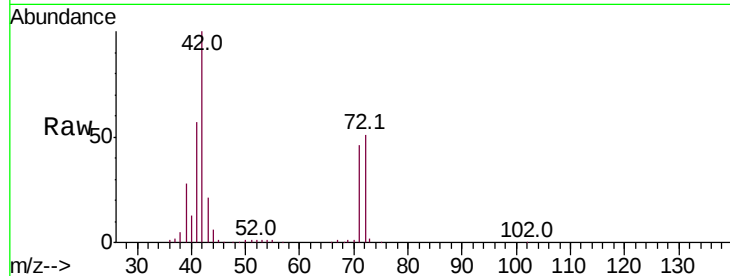
#29
Tetrahydrofuran
Concen: 96.621 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	39.8	59.8
71	47.3	37.0	55.4

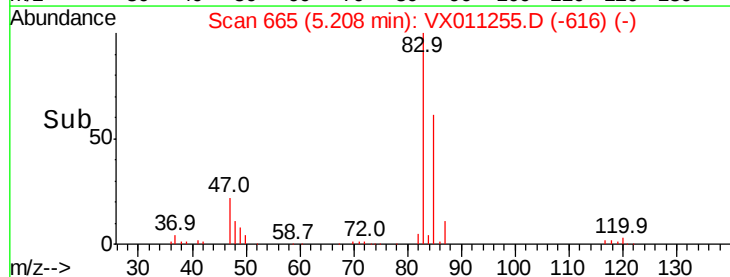
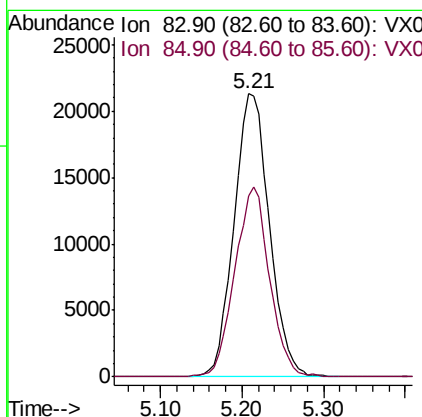
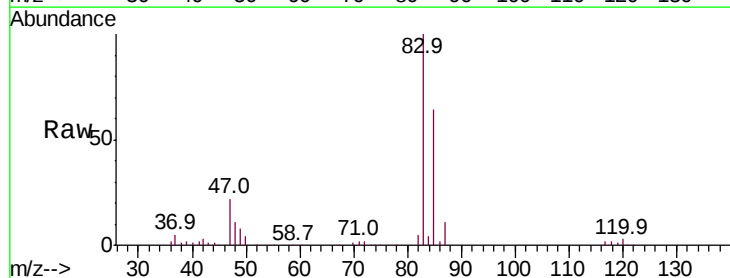
Manual Integrations
APPROVED

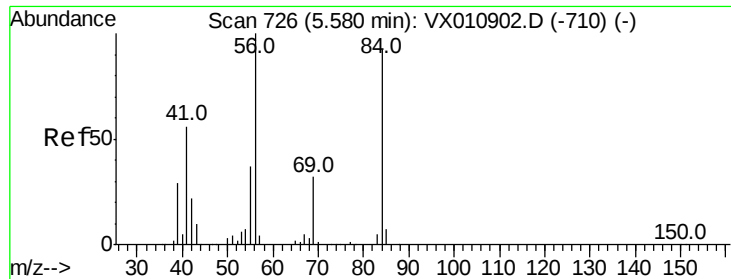
MMdadoda
8/1/2019 11:19:38 AM



#30
Chloroform
Concen: 19.804 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0





#31

Cyclohexane

Concen: 17.852 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 56 Resp: 48543

Ion Ratio Lower Upper

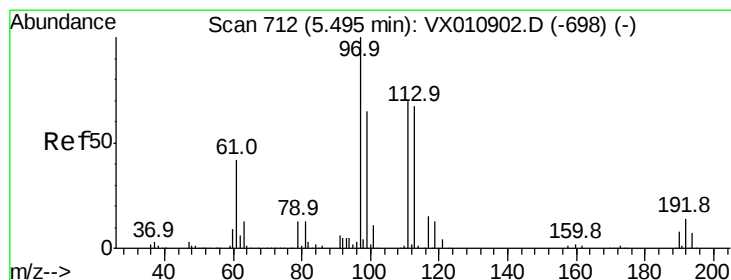
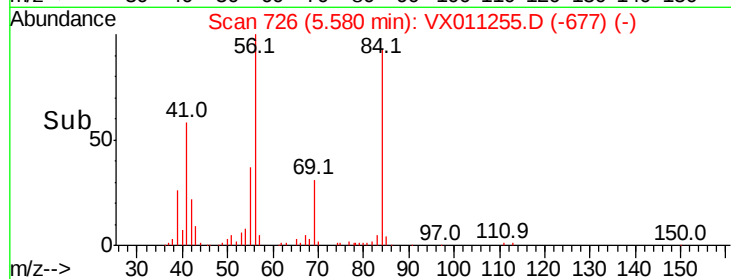
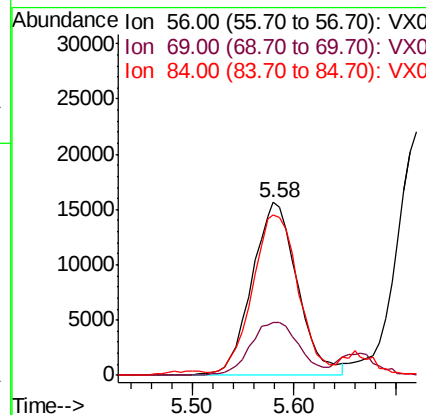
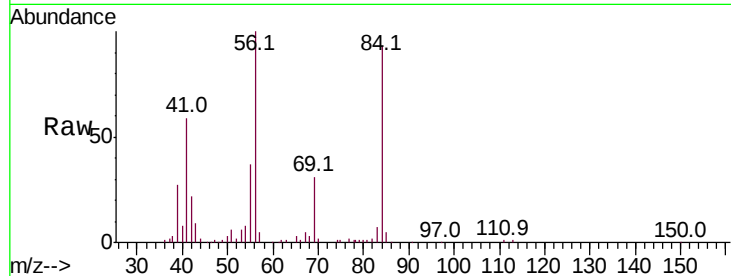
56 100

69 30.6 25.8 38.8

84 91.1 73.8 110.6

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#32

1,1,1-Trichloroethane

Concen: 19.204 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

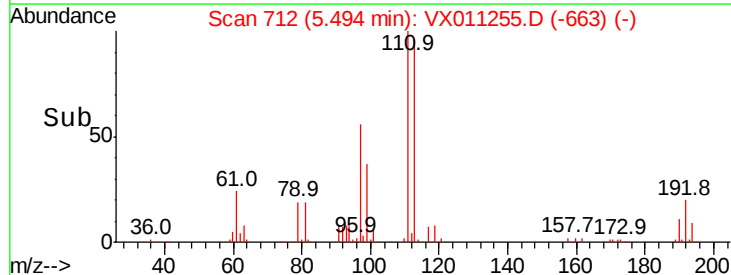
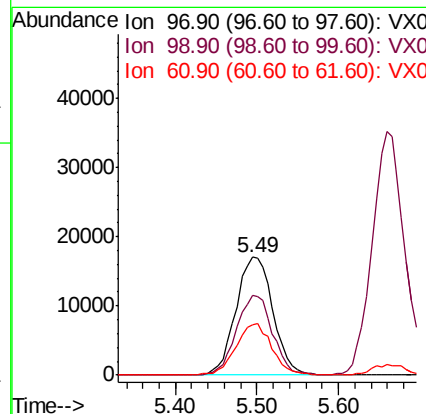
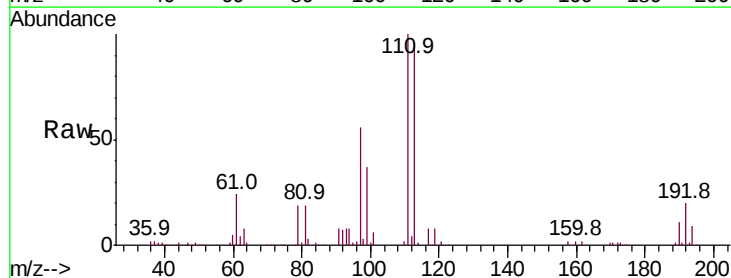
Tgt Ion: 97 Resp: 53575

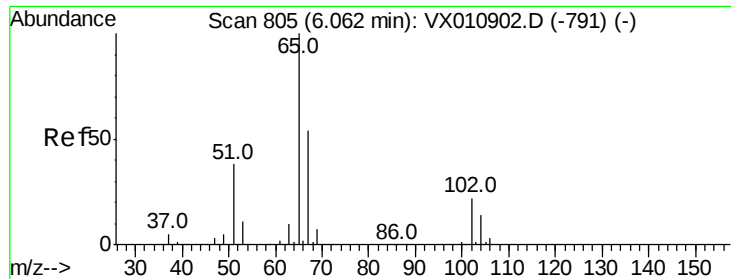
Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.0

61 42.5 33.0 49.6





#33

1,2-Dichloroethane-d4

Concen: 48.742 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 65 Resp: 97616

Ion Ratio Lower Upper

65 100

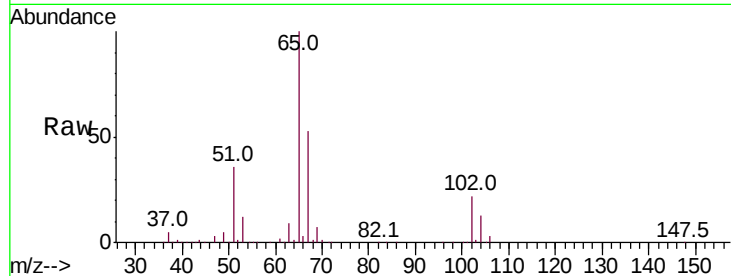
67 53.2 0.0 107.8

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

40000

30000

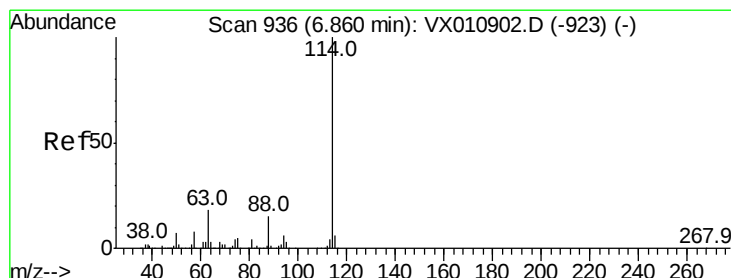
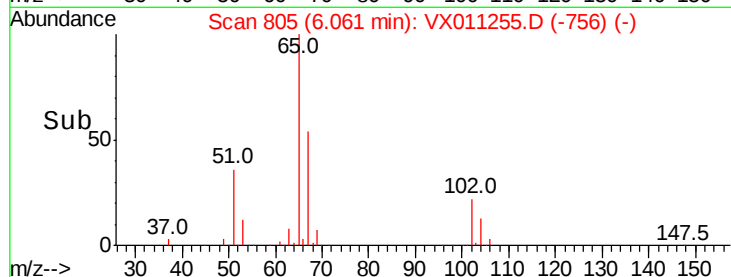
20000

10000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

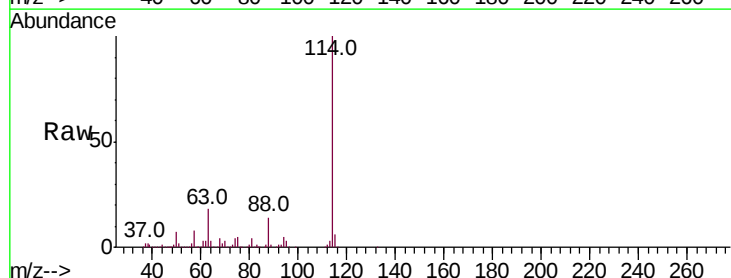
Tgt Ion: 114 Resp: 281268

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 14.3 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

150000

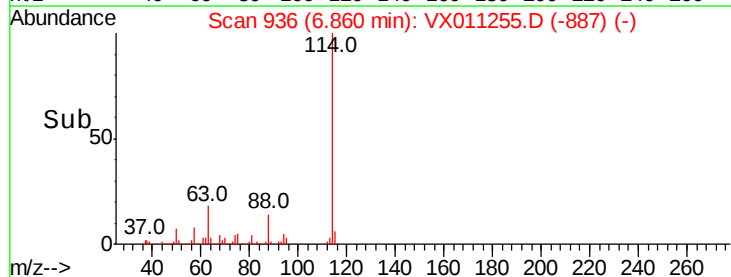
100000

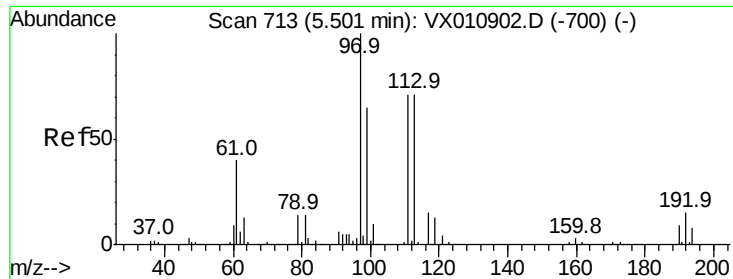
50000

0

6.80 6.90 7.00

Time-->





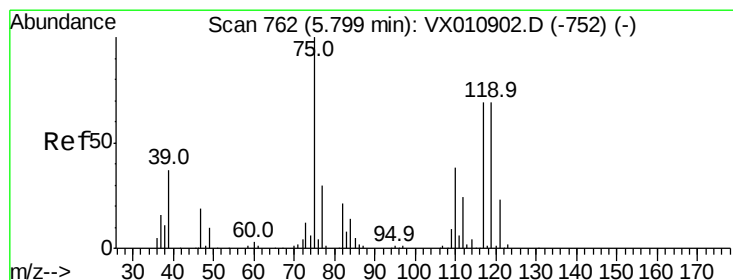
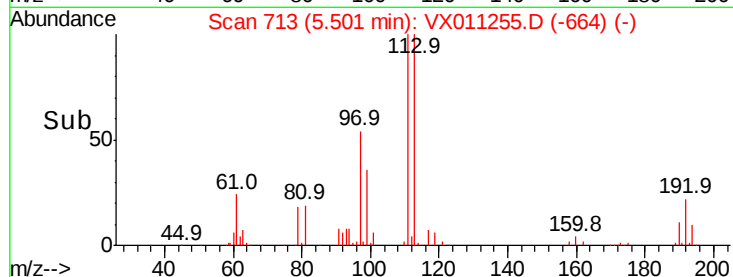
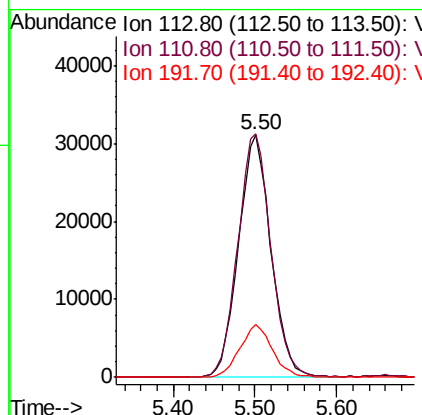
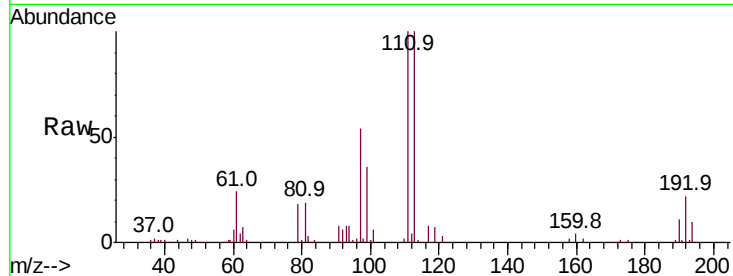
#35
 Dibromofluoromethane
 Concen: 48.056 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0731MBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.3	123.5
192	21.8	17.4	26.2

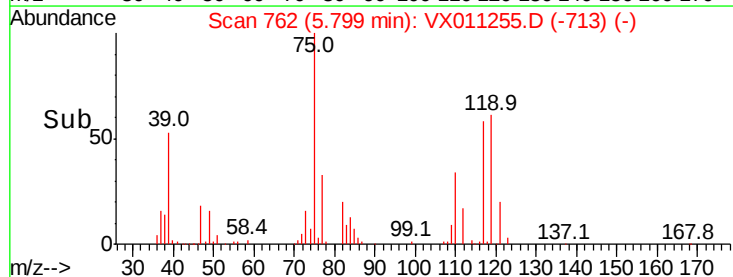
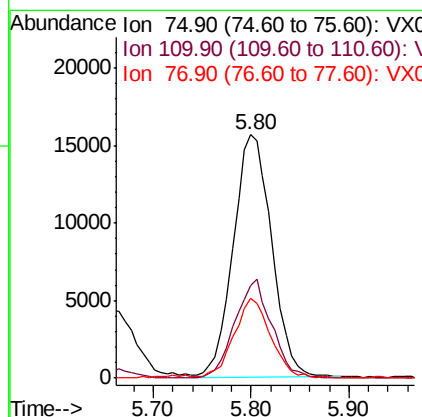
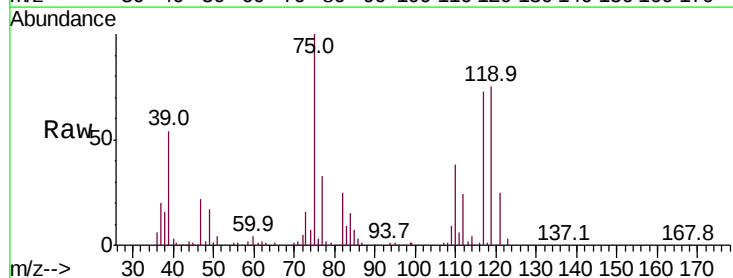
Manual Integrations
 APPROVED

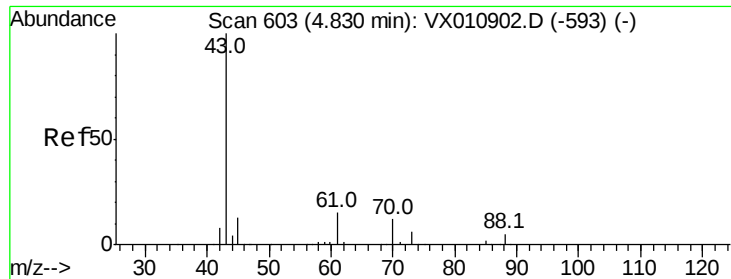
MMDadoda
 8/1/2019 11:19:38 AM



#36
 1,1-Dichloropropene
 Concen: 18.460 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.9	59.7
77	31.6	25.0	37.4





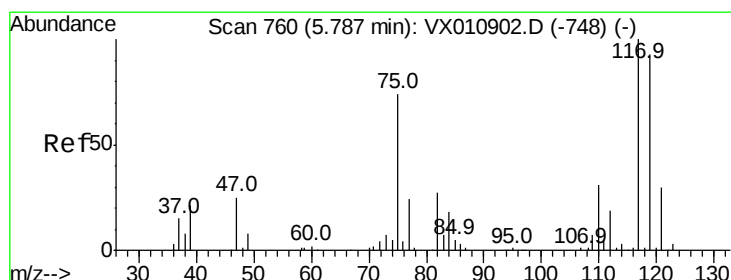
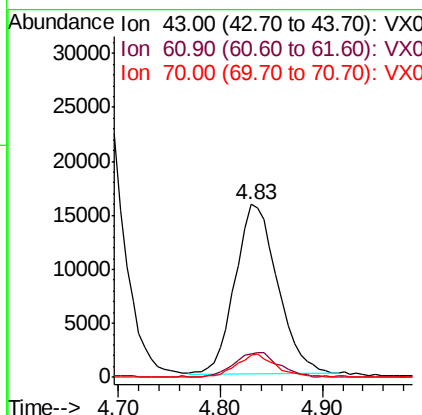
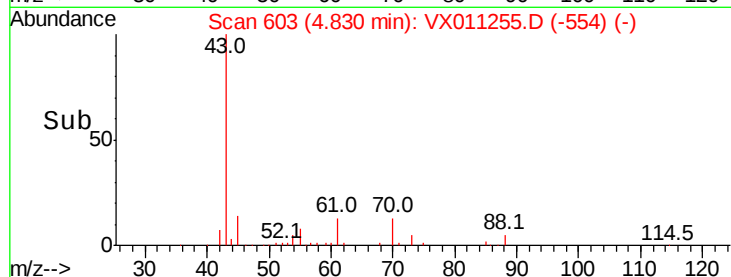
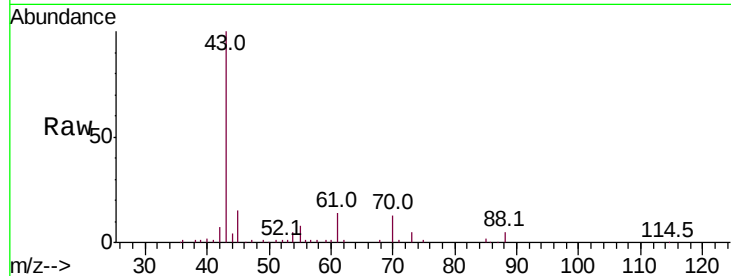
#37
Ethyl Acetate
Concen: 19.178 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.6	17.4
70	12.8	9.1	13.7

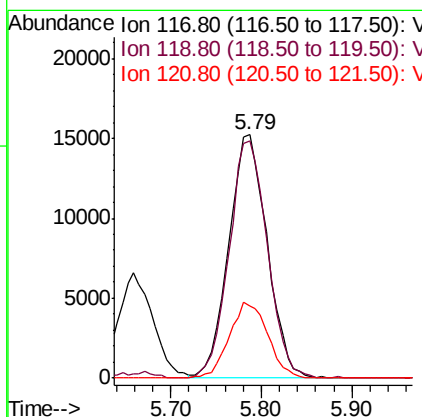
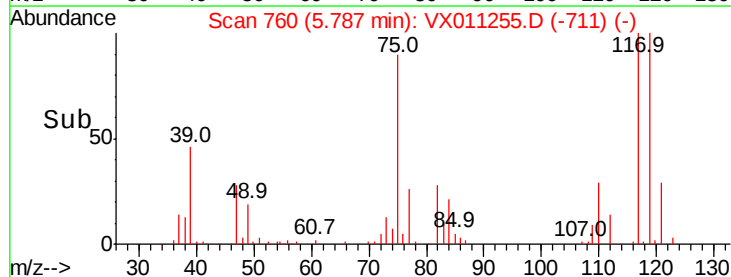
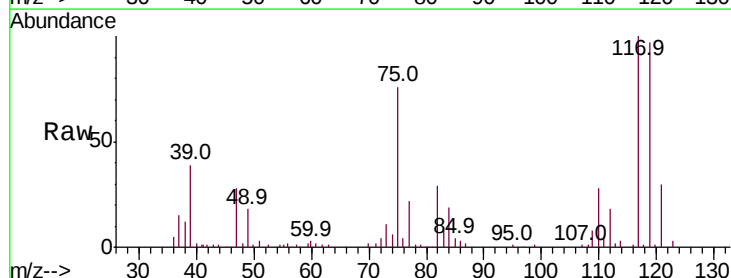
Manual Integrations
APPROVED

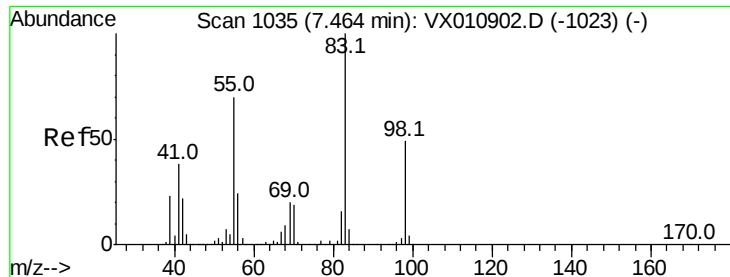
MMdadoda
8/1/2019 11:19:38 AM



#38
Carbon Tetrachloride
Concen: 18.591 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.2	111.2
121	29.6	24.2	36.2





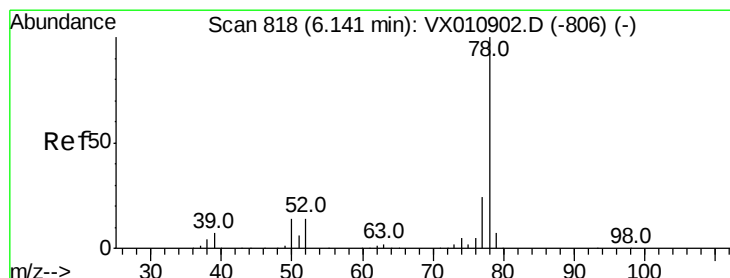
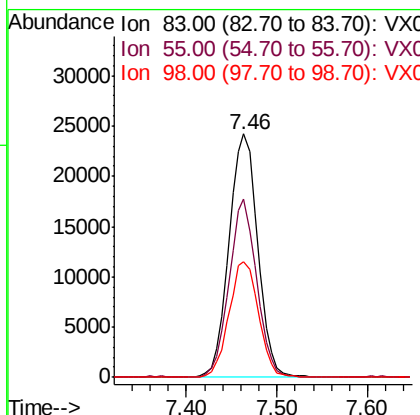
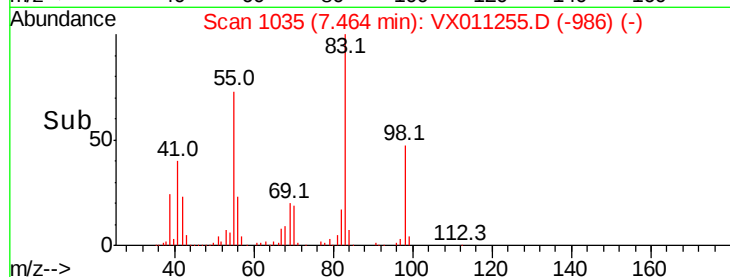
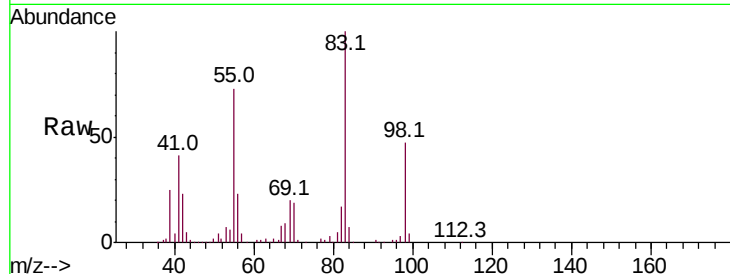
#39
Methvlcvclohexane
Concen: 17.783 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	56.2	84.4
98	47.3	39.0	58.4

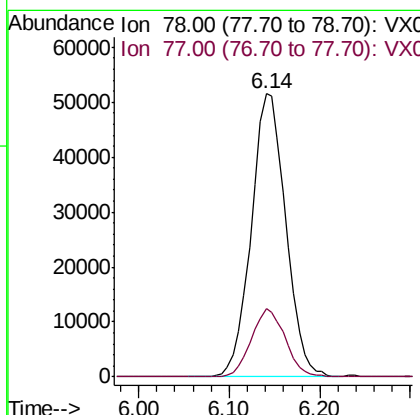
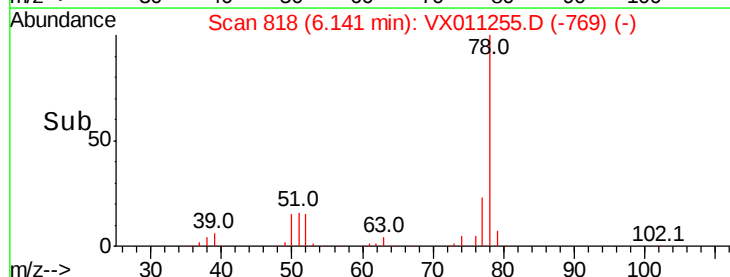
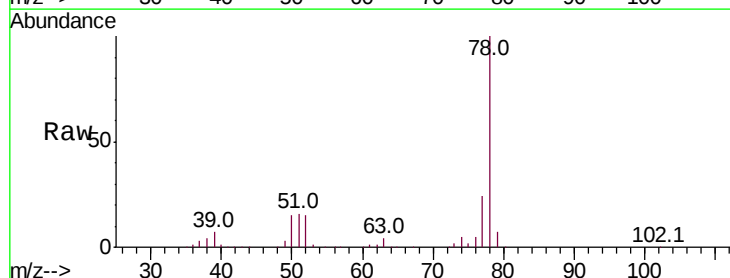
Manual Integrations
APPROVED

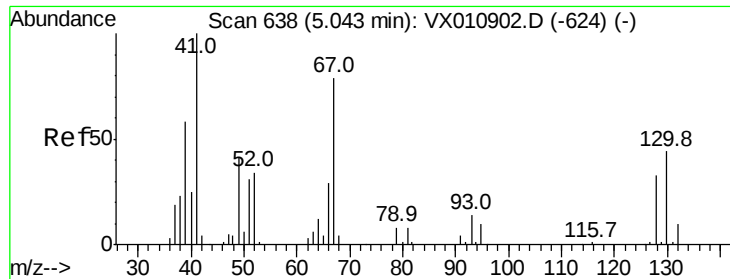
MMdadoda
8/1/2019 11:19:38 AM



#40
Benzene
Concen: 19.176 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





#41

Methacrylonitrile

Concen: 19.102 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

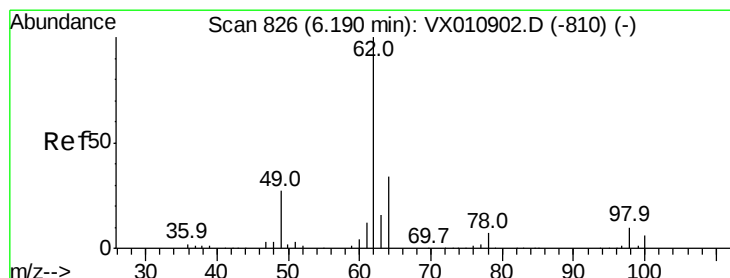
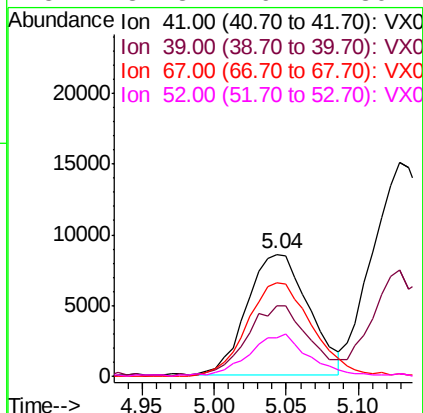
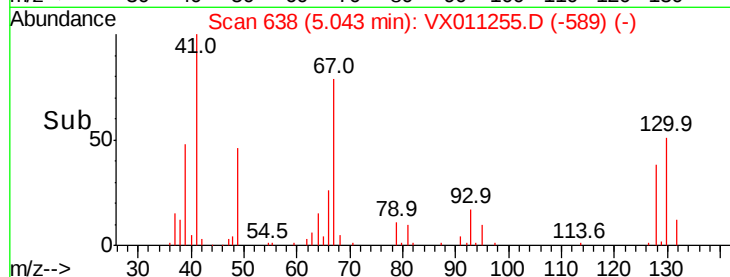
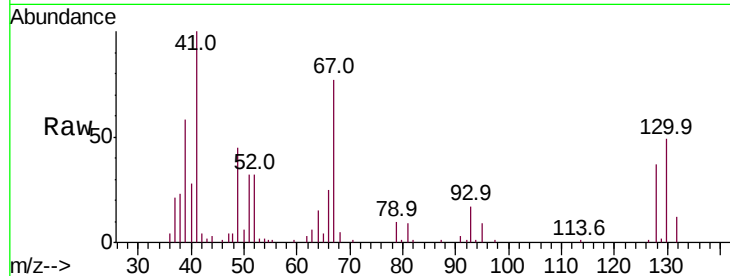
ClientSampleId :

VX0731MBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25654		
39	58.4	45.4	68.2		
67	81.8	65.9	98.9		
52	34.3	26.2	39.2		

Manual Integrations
APPROVED

MMDadoda
8/1/2019 11:19:38 AM



#42

1,2-Dichloroethane

Concen: 19.712 ug/l

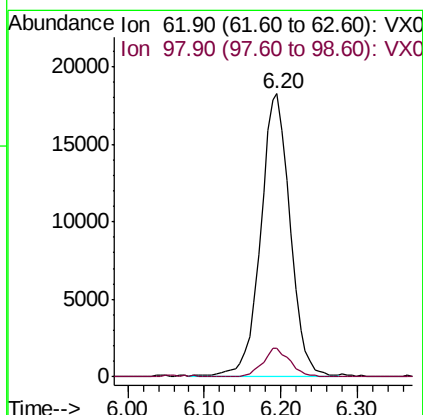
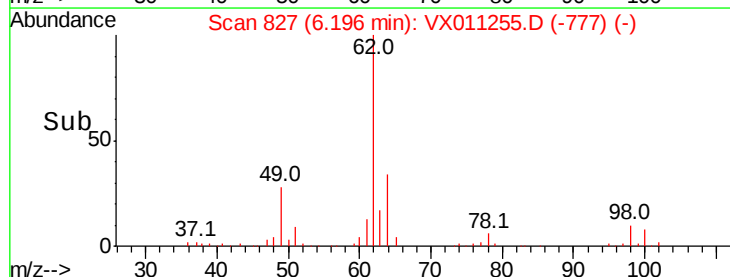
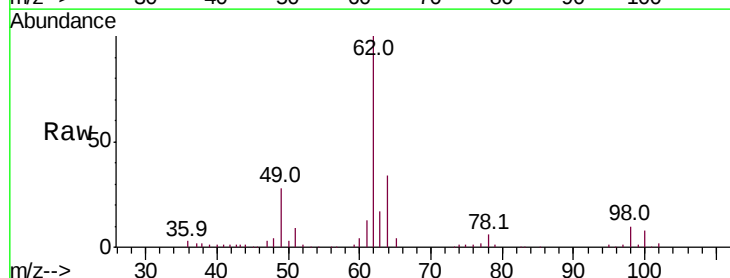
RT: 6.20 min Scan# 827

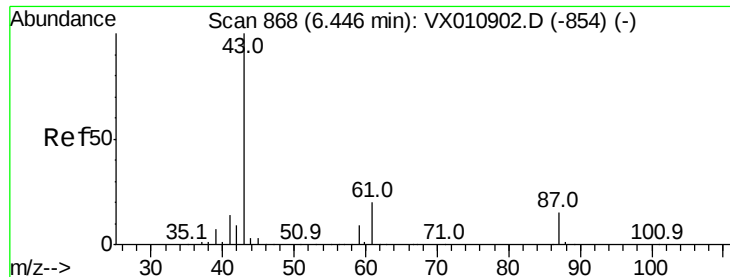
Delta R.T. 0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		48506		
98	9.5	0.0	20.0		





#43

Isopropyl Acetate

Concen: 18.905 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

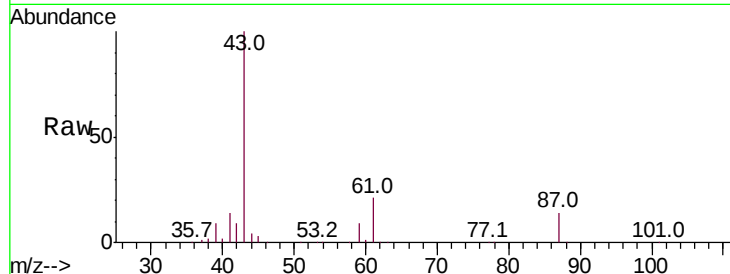
ClientSampleId :

VX0731MBS02

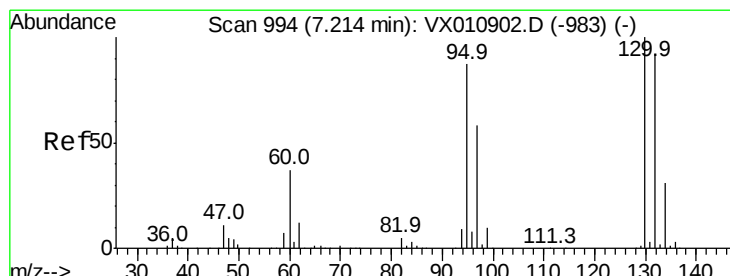
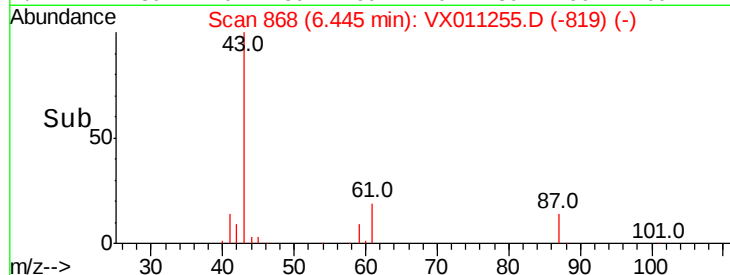
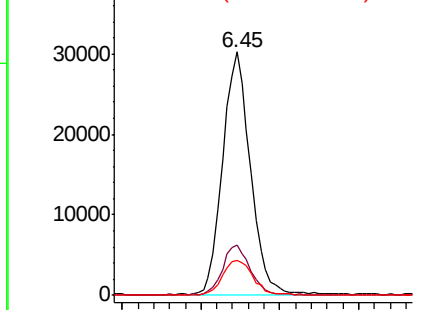
Tot Ion:	43	Resp:	73542
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.1	25.7
87	16.0	12.0	18.0

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.373 ug/l

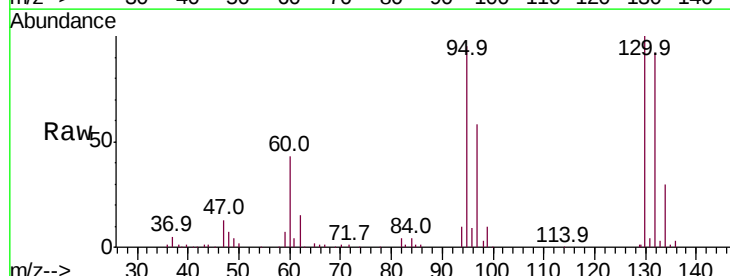
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

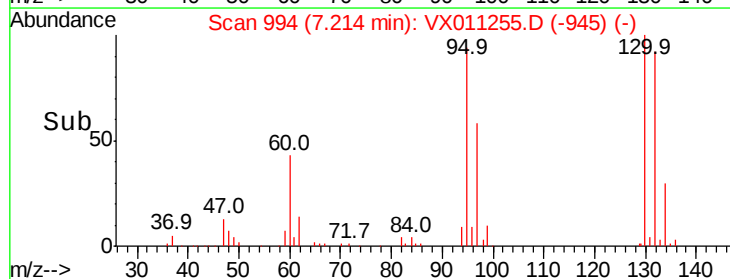
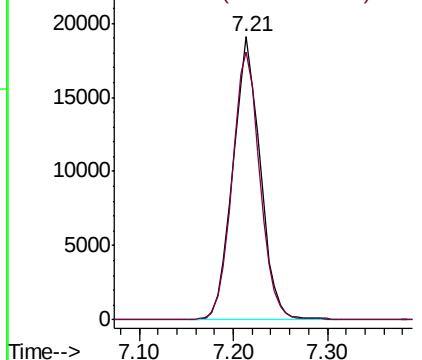
Lab File: VX011255.D

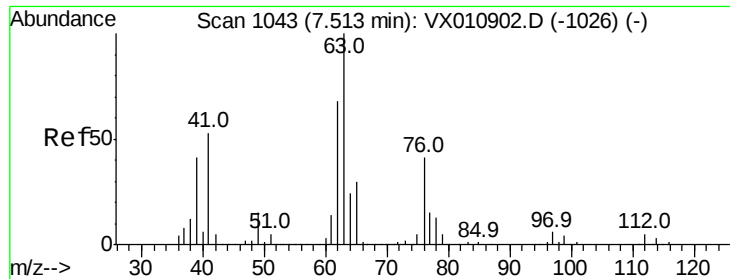
Acq: 31 Jul 2019 20:00

Tgt Ion:	130	Resp:	38489
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	174.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





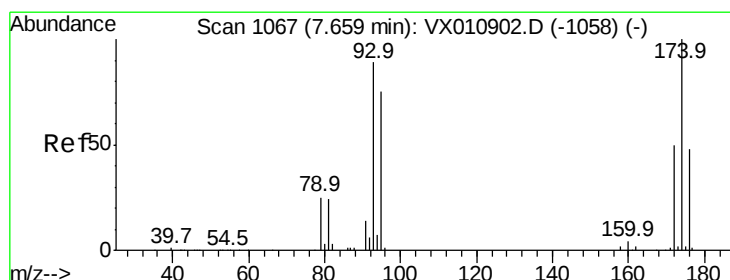
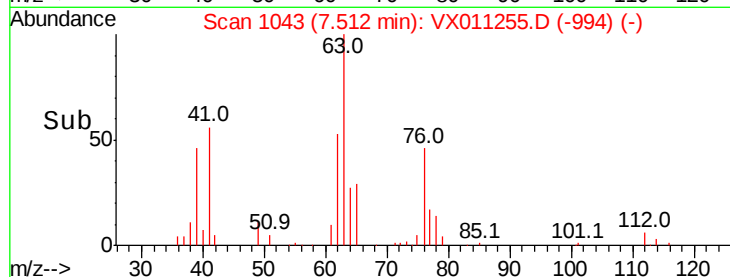
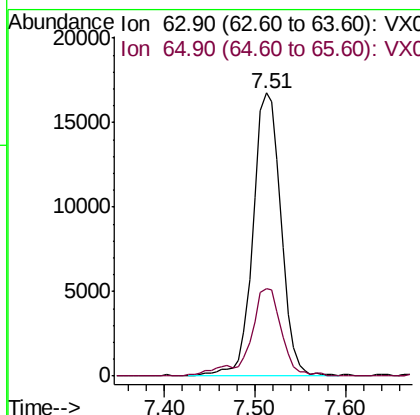
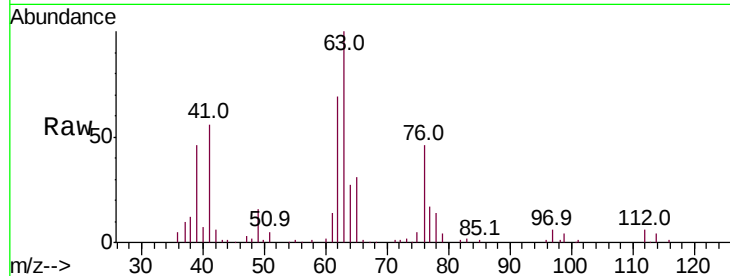
#45
 1,2-Dichloropropane
 Concen: 19.911 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion: 63 Resp: 35865
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6

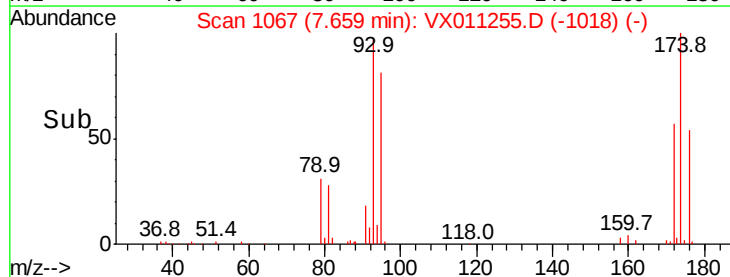
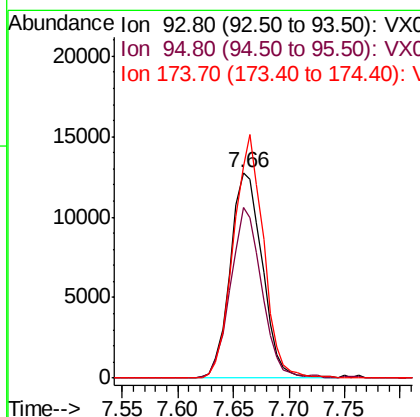
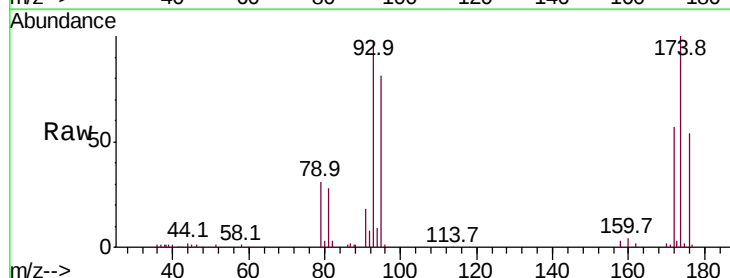
Manual Integrations
 APPROVED

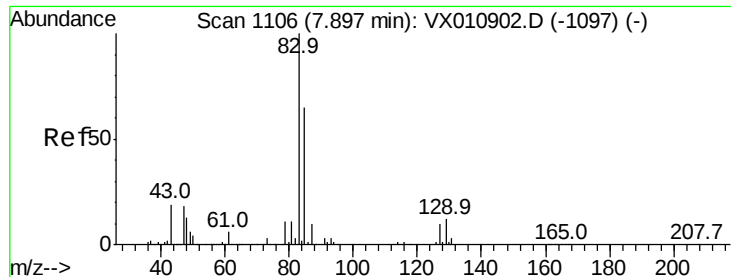
MMdadoda
 8/1/2019 11:19:38 AM



#46
 Dibromomethane
 Concen: 19.833 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion: 93 Resp: 25528
 Ion Ratio Lower Upper
 93 100
 95 80.2 67.2 100.8
 174 110.8 90.6 135.8





#47

Bromodichloromethane

Concen: 19.315 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

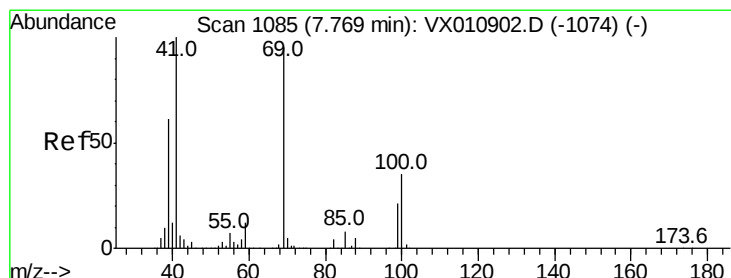
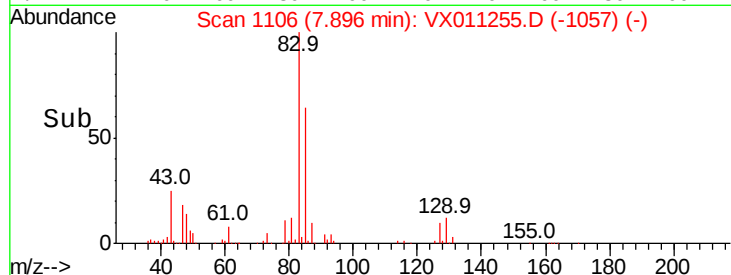
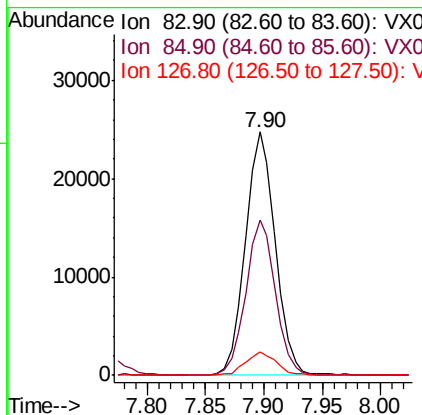
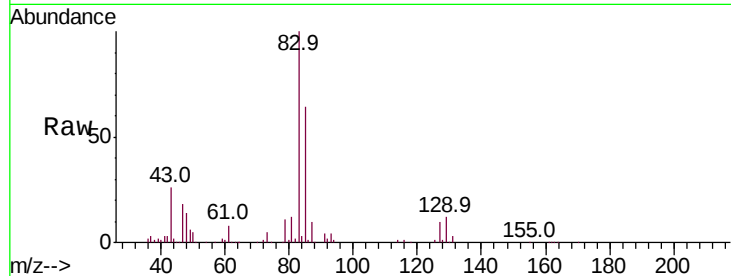
ClientSampleId :

VX0731MBS02

Tot Ion:	83	Resp:	44254
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7
127	9.6	7.8	11.8

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#48

Methyl methacrylate

Concen: 20.082 ug/l

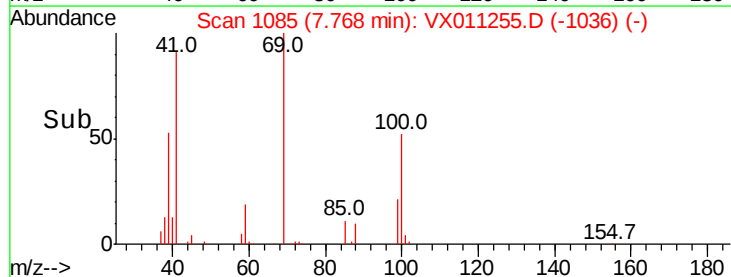
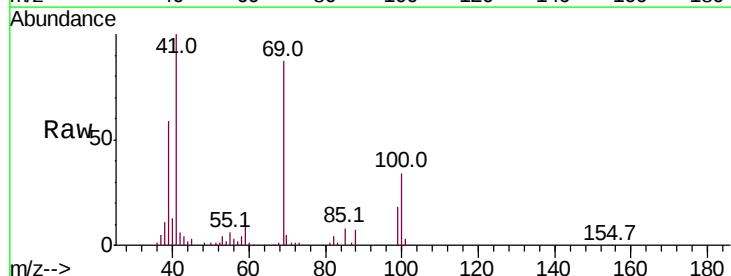
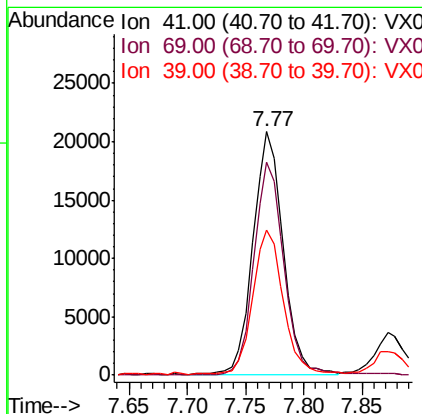
RT: 7.77 min Scan# 1085

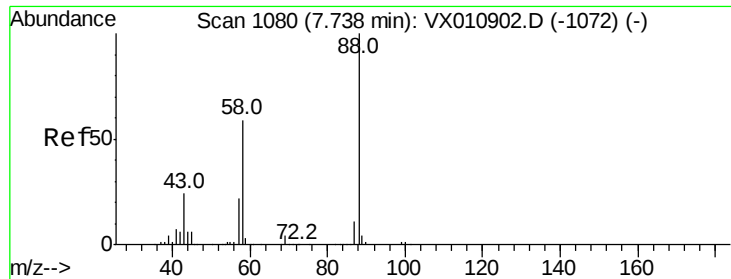
Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Tgt Ion:	41	Resp:	38055
Ion	Ratio	Lower	Upper
41	100		
69	86.2	74.4	111.6
39	59.2	48.9	73.3





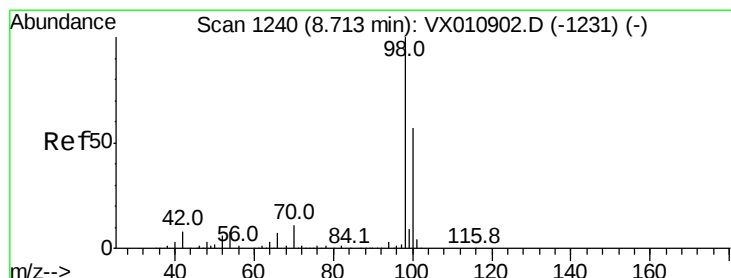
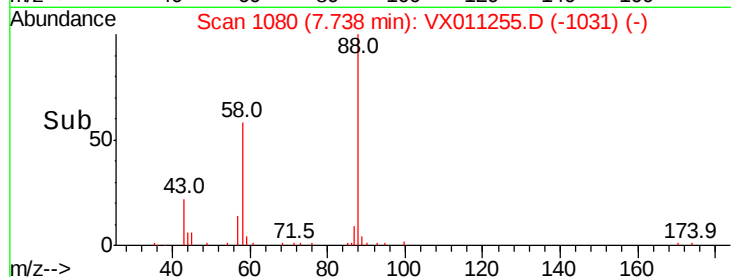
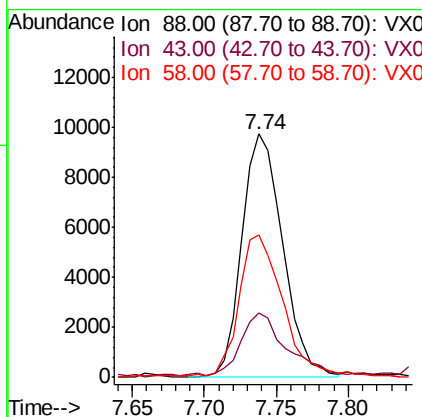
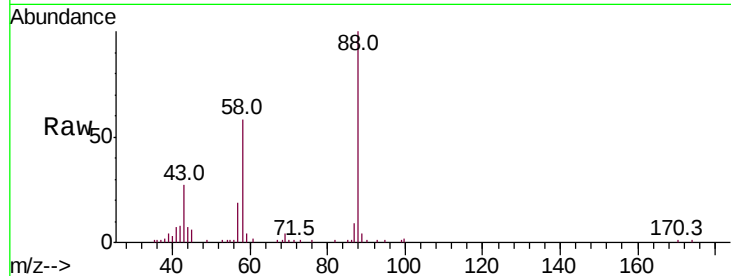
#49
1,4-Dioxane
Concen: 362.399 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.9	34.3
58	63.7	49.8	74.8

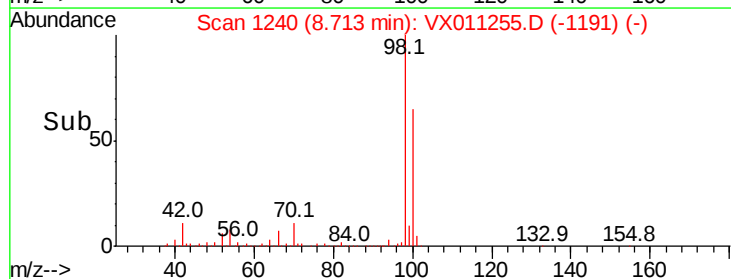
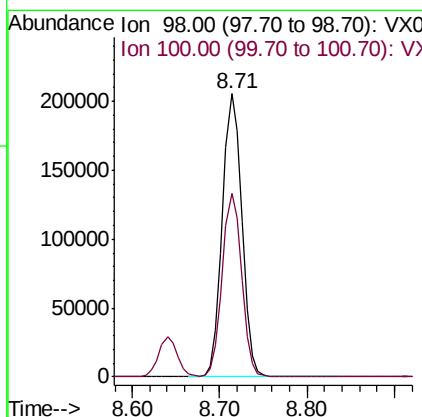
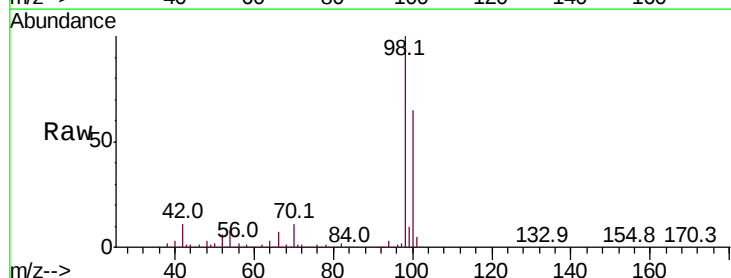
Manual Integrations
APPROVED

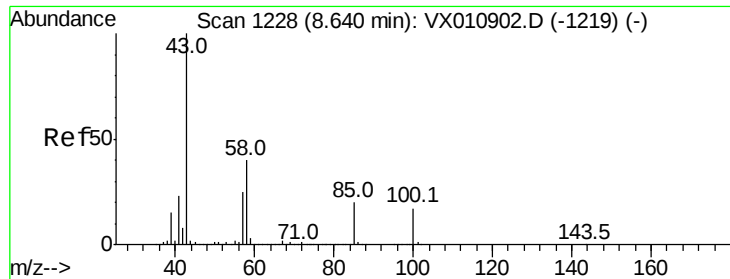
MMdadoda
8/1/2019 11:19:38 AM



#50
Toluene-d8
Concen: 47.545 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 102.741 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 43 Resp: 259075

Ion Ratio Lower Upper

43 100

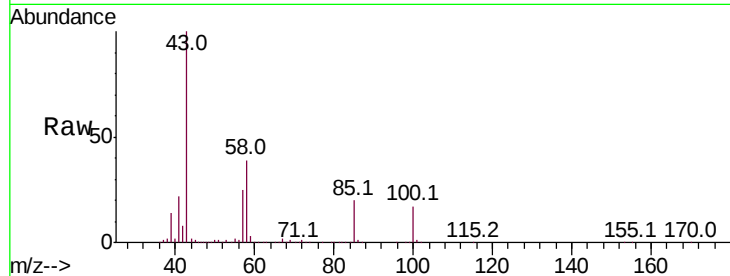
58 39.7 32.2 48.4

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200000

150000

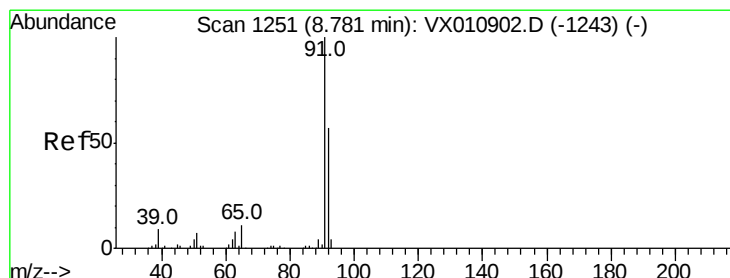
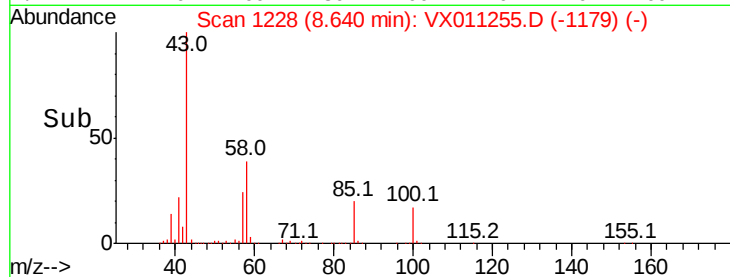
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.303 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011255.D

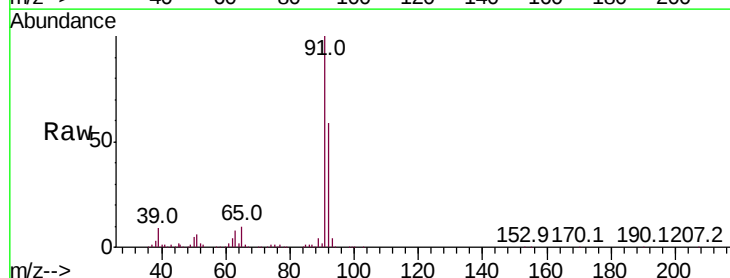
Acq: 31 Jul 2019 20:00

Tgt Ion: 92 Resp: 89743

Ion Ratio Lower Upper

92 100

91 173.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

60000

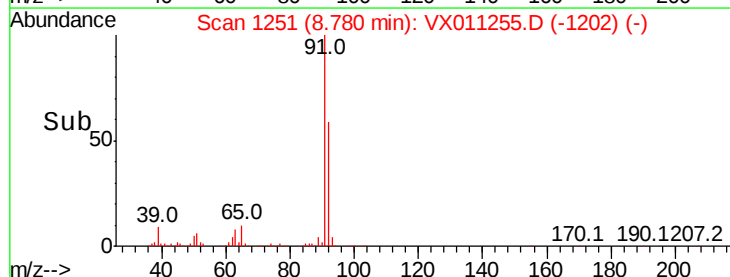
40000

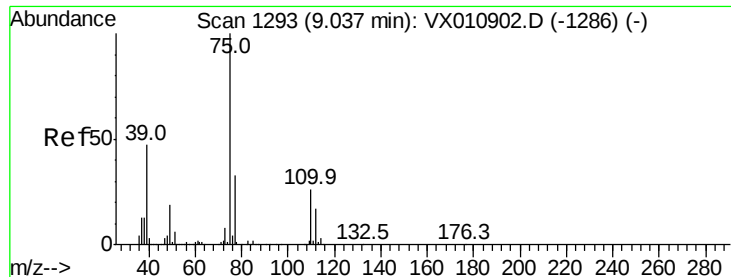
20000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.115 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 75 Resp: 44627

Ion Ratio Lower Upper

75 100

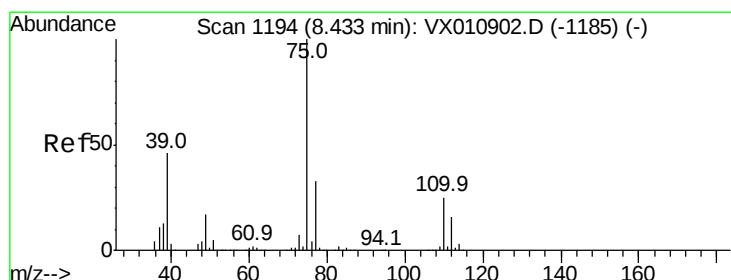
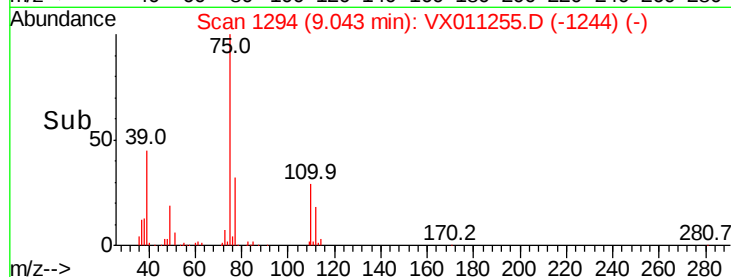
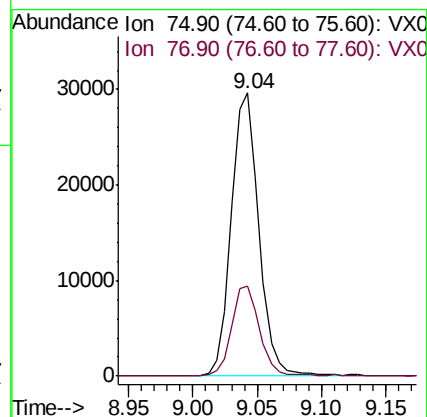
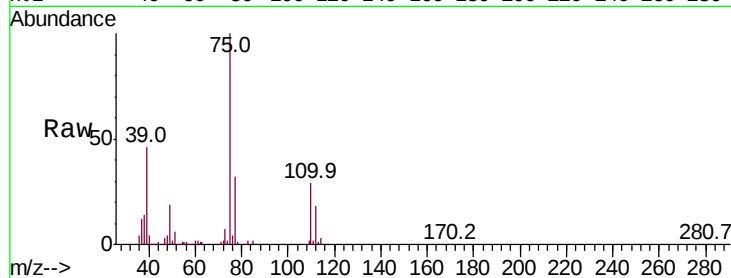
77 31.9 26.2 39.2

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#54

cis-1,3-Dichloropropene

Concen: 18.503 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

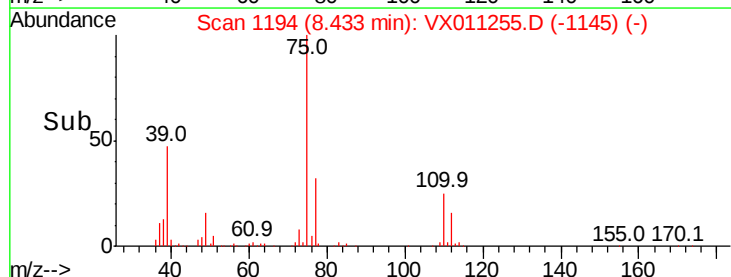
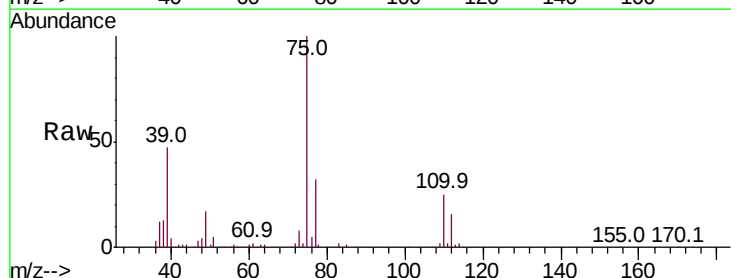
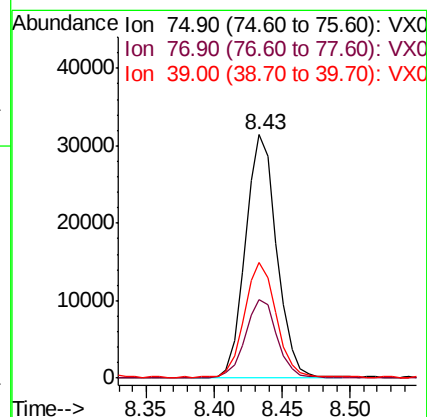
Tgt Ion: 75 Resp: 50722

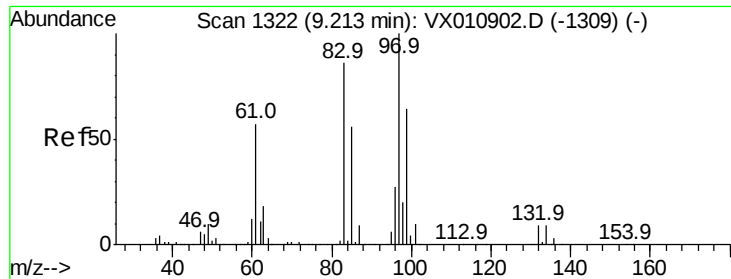
Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

39 47.1 36.6 54.8





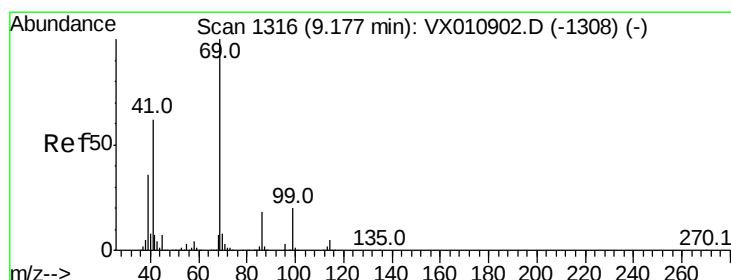
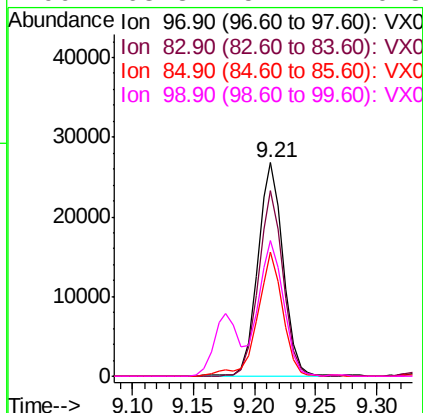
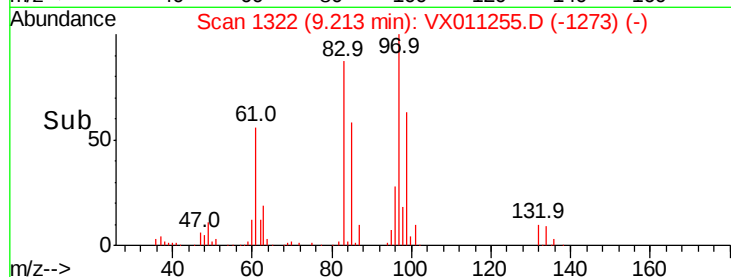
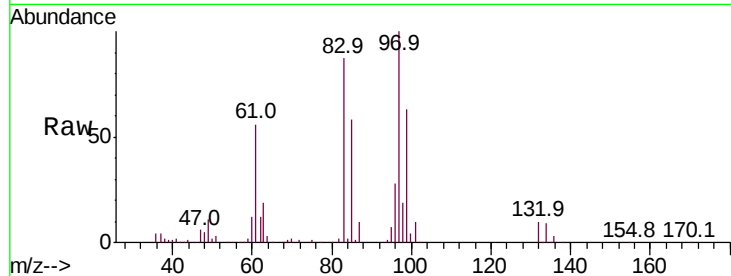
#55
 1,1,2-Trichloroethane
 Concen: 20.291 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion	97	Resp	38843
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.2	103.8
85	58.2	44.6	66.8
99	63.3	51.2	76.8

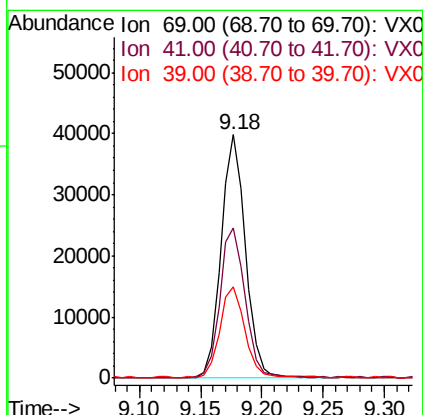
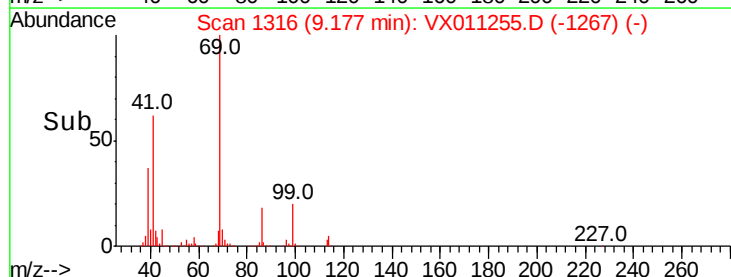
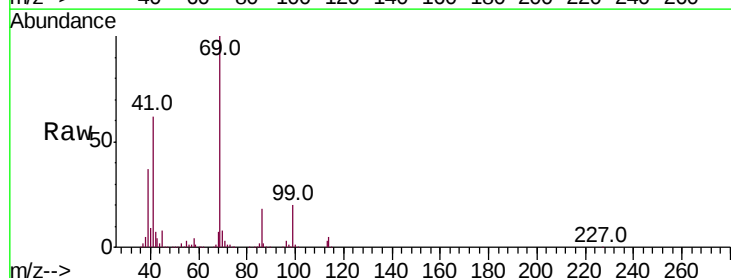
Manual Integrations
 APPROVED

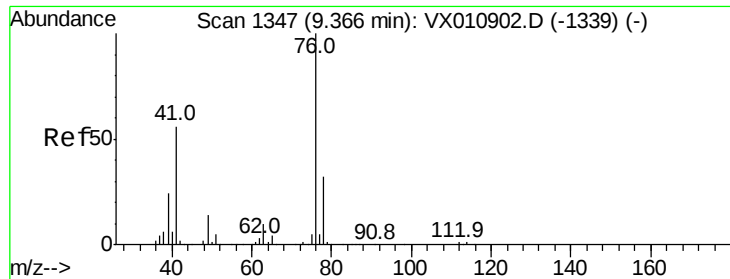
MMdadoda
 8/1/2019 11:19:38 AM



#56
 Ethyl methacrylate
 Concen: 19.689 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion	69	Resp	55132
Ion	Ratio	Lower	Upper
69	100		
41	63.7	49.7	74.5
39	37.9	29.6	44.4





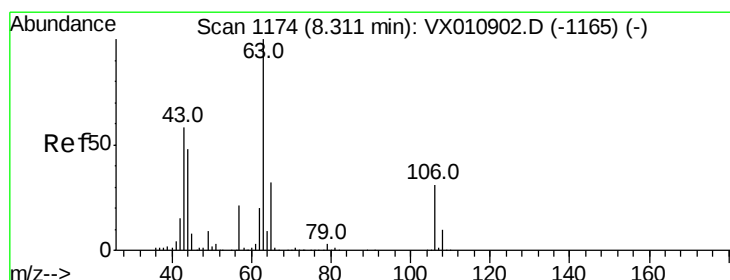
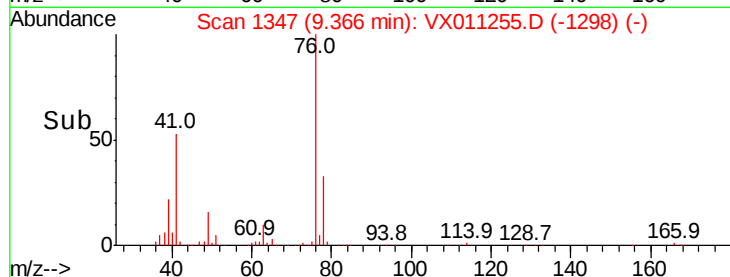
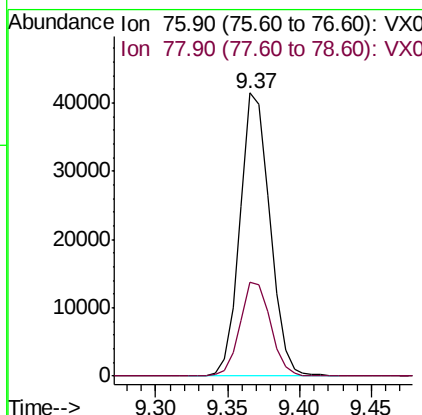
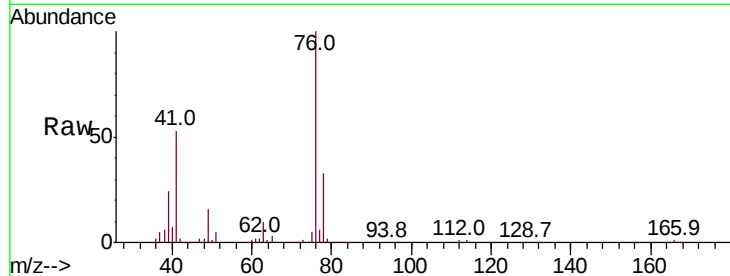
#57
 1,3-Dichloropropane
 Concen: 19.718 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion: 76 Resp: 59879
 Ion Ratio Lower Upper
 76 100
 78 34.0 25.6 38.4

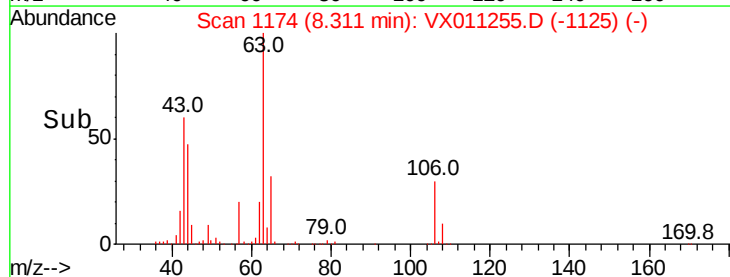
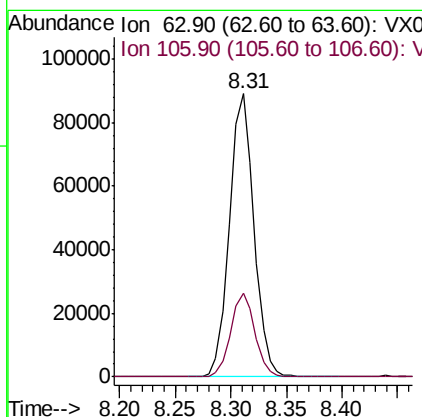
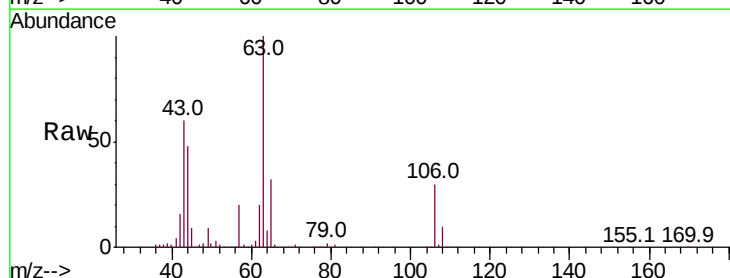
Manual Integrations
 APPROVED

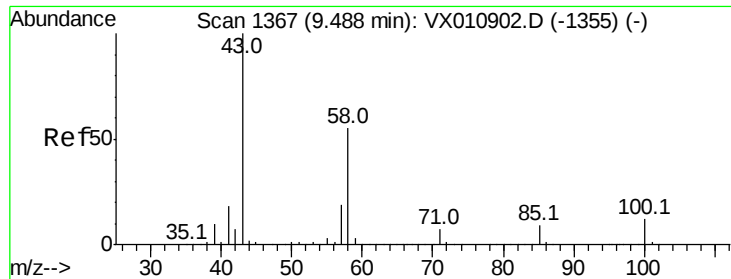
MMdadoda
 8/1/2019 11:19:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.524 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion: 63 Resp: 135704
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.0 36.0





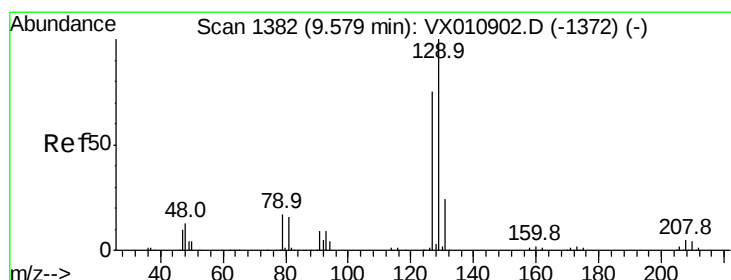
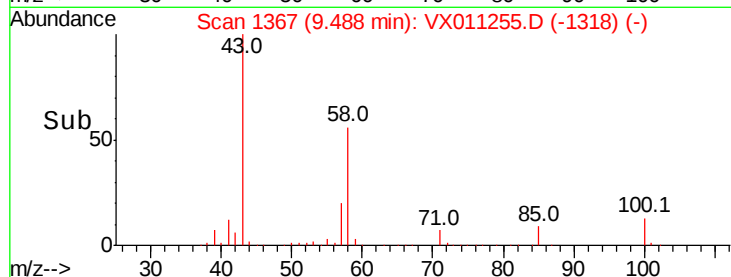
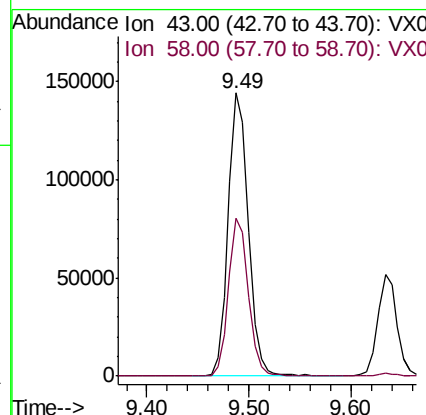
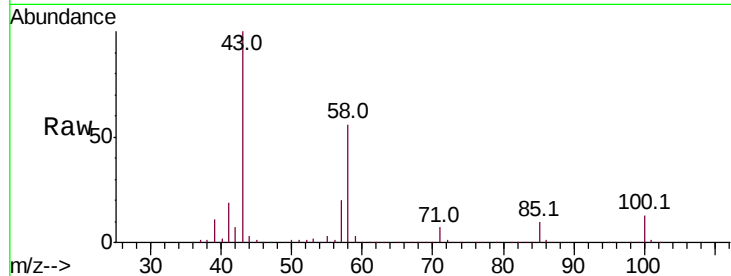
#59
2-Hexanone
Concen: 101.580 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion: 43 Resp: 198674
Ion Ratio Lower Upper
43 100
58 55.2 28.0 83.9

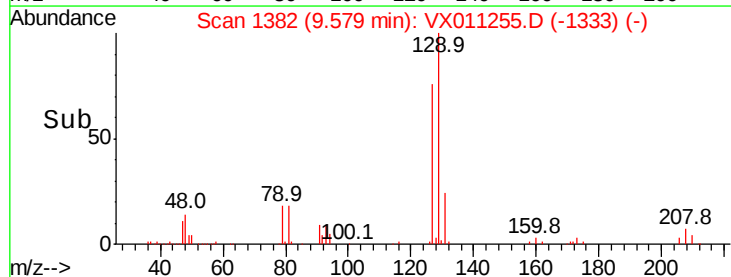
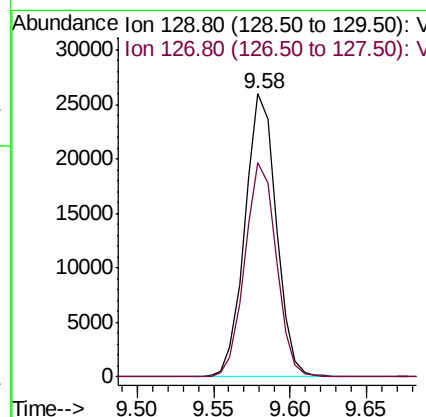
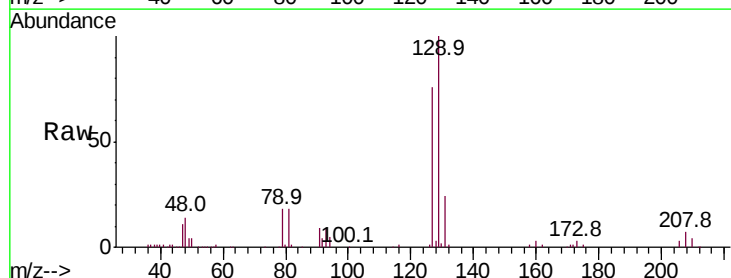
Manual Integrations
APPROVED

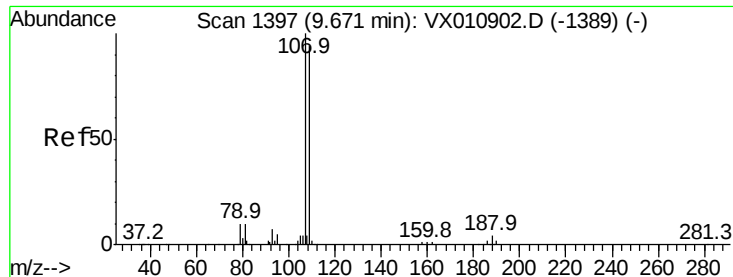
MMdadoda
8/1/2019 11:19:38 AM



#60
Dibromochloromethane
Concen: 18.485 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion: 129 Resp: 37027
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.582 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:107 Resp: 39782

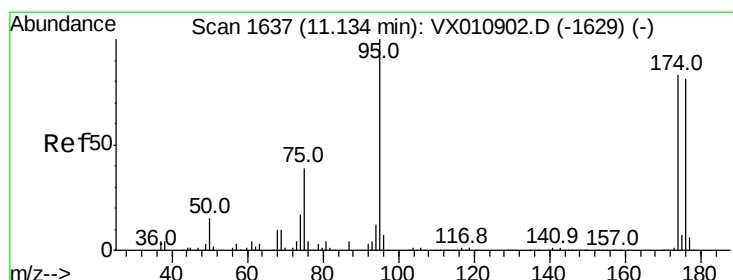
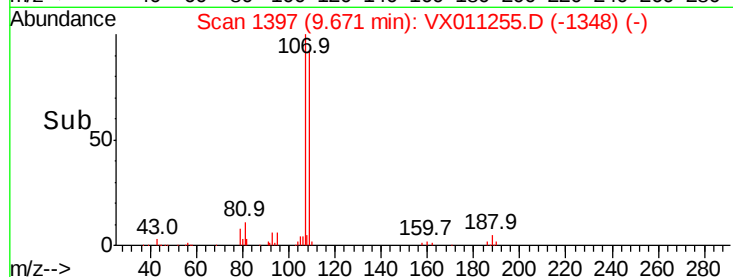
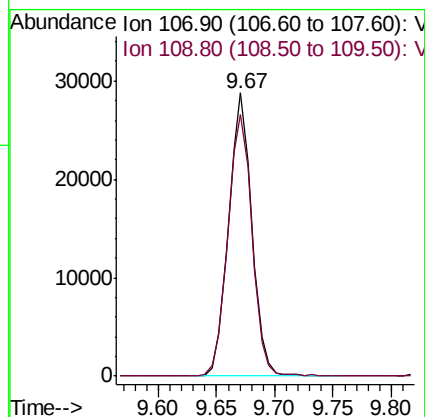
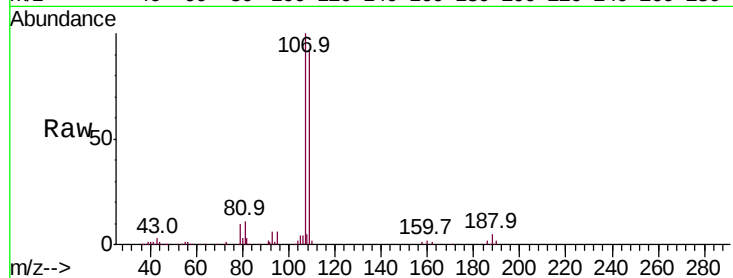
Ion Ratio Lower Upper

107 100

109 96.4 75.4 113.0

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#62

4-Bromofluorobenzene

Concen: 47.799 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

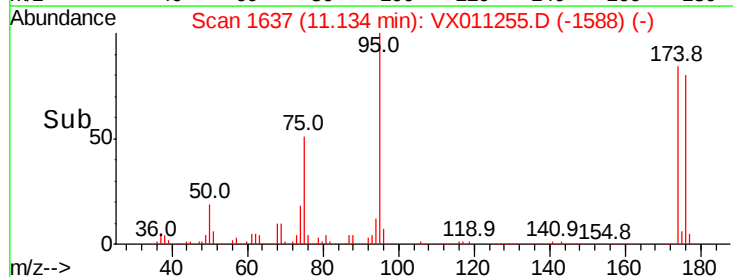
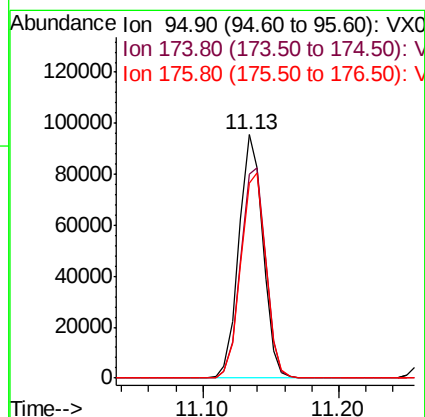
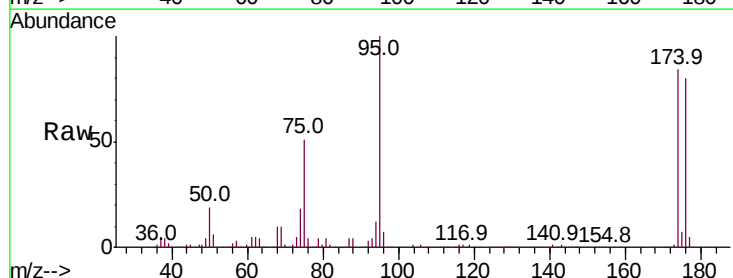
Tgt Ion: 95 Resp: 117643

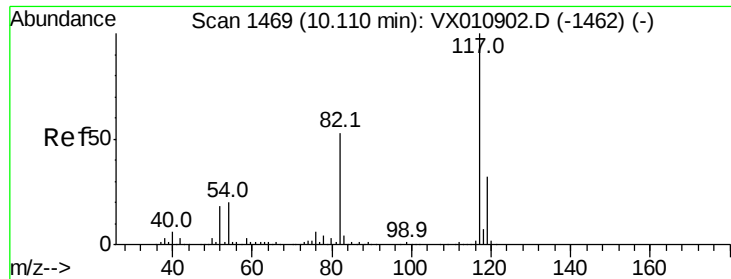
Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.6

176 87.7 0.0 173.8





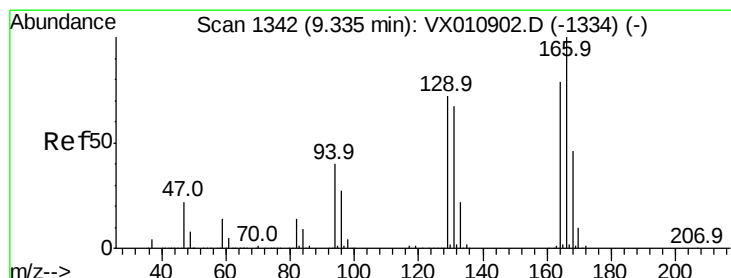
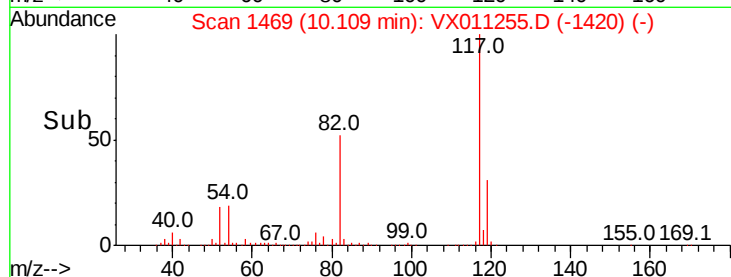
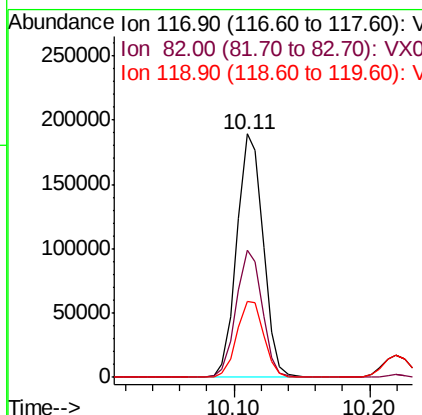
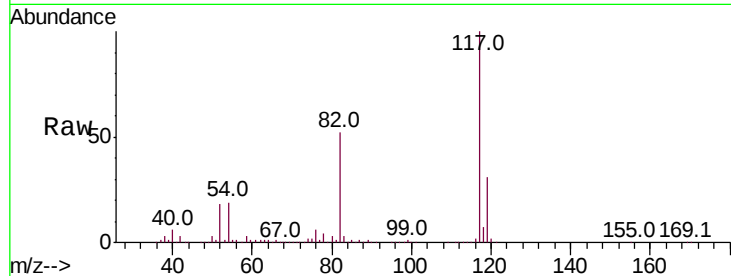
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255410		
82	52.2		42.6	63.8
119	31.4		25.9	38.9

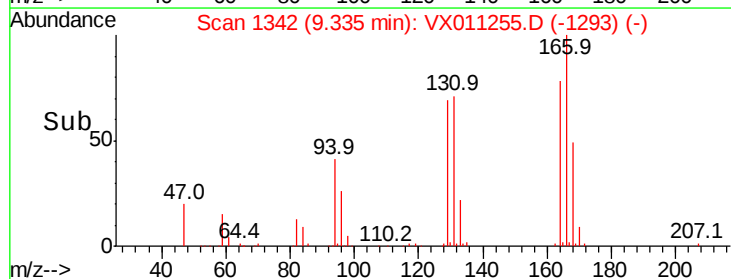
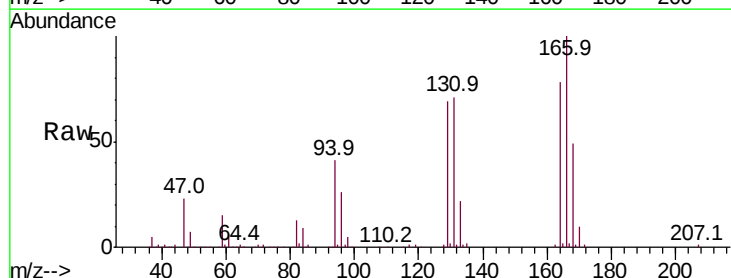
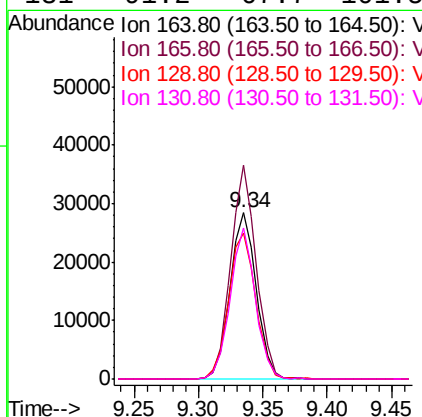
Manual Integrations
APPROVED

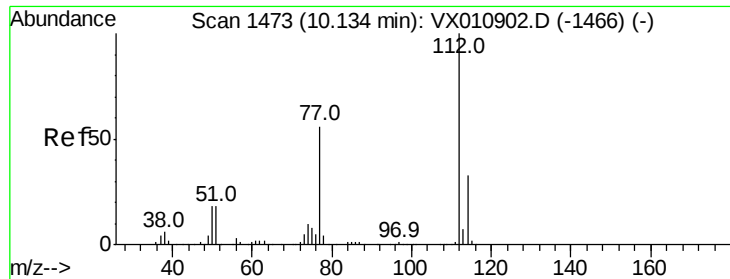
MMdadoda
8/1/2019 11:19:38 AM



#64
Tetrachloroethene
Concen: 20.104 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40394		
166	128.5		100.8	151.2
129	88.1		72.6	109.0
131	91.2		67.7	101.5





#65

Chlorobenzene

Concen: 19.329 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:112 Resp: 101397

Ion Ratio Lower Upper

112 100

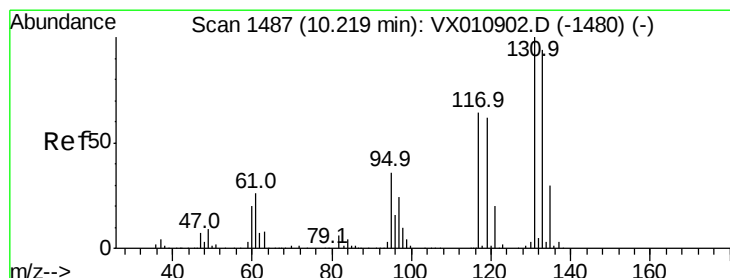
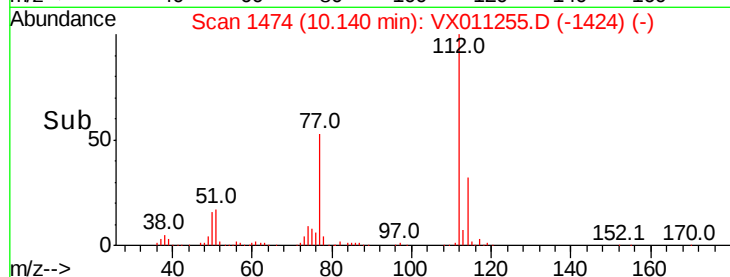
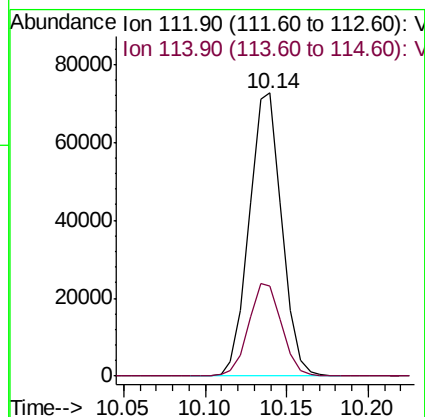
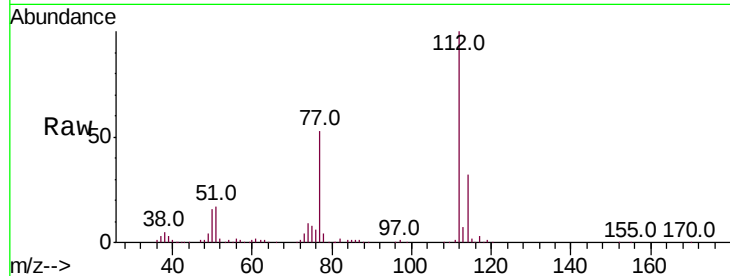
114 31.6 26.2 39.4

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.254 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

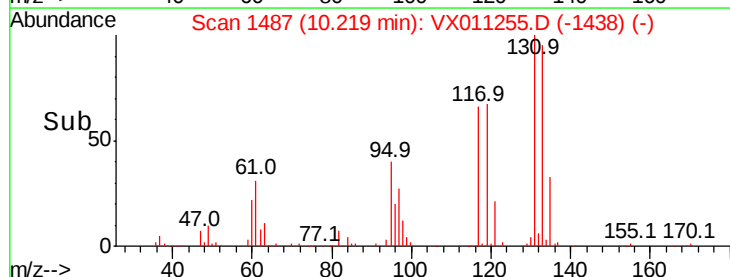
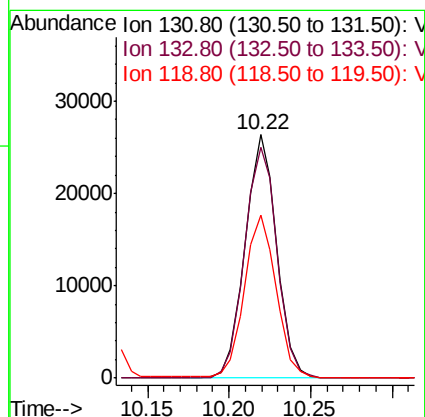
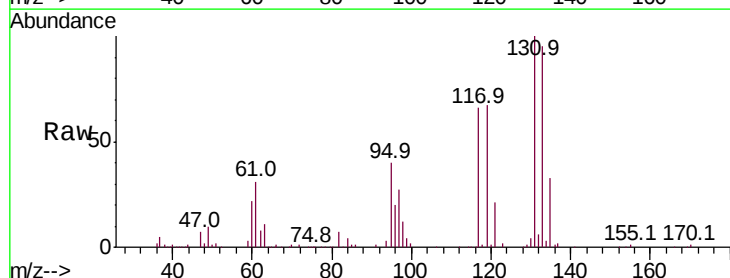
Tgt Ion:131 Resp: 35499

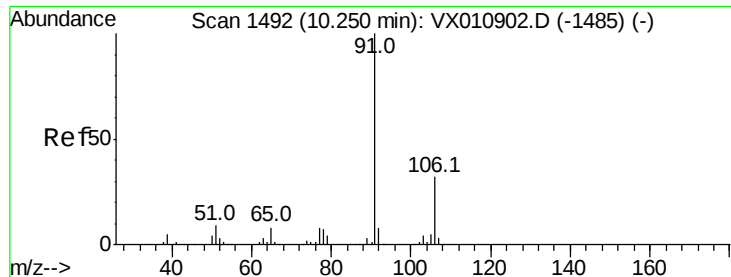
Ion Ratio Lower Upper

131 100

133 97.8 47.1 141.4

119 67.9 31.9 95.7





#67

Ethyl Benzene

Concen: 19.479 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampled :

VX0731MBS02

Tot Ion: 91 Resp: 173935

Ion Ratio Lower Upper

91 100

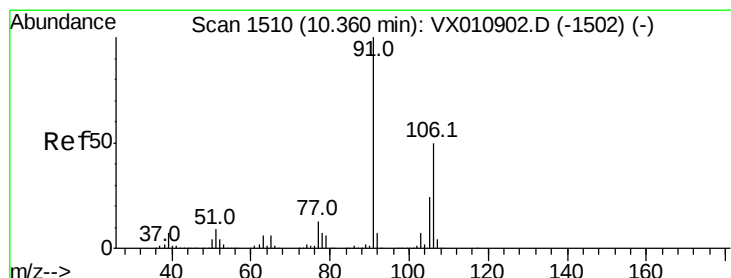
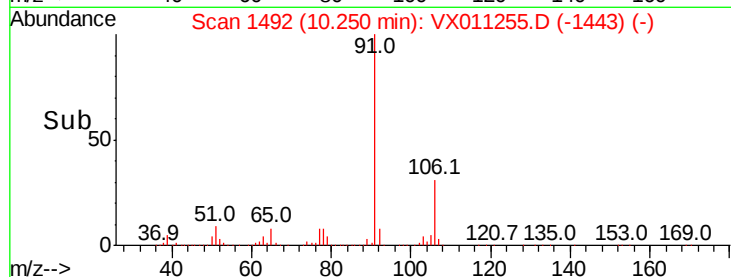
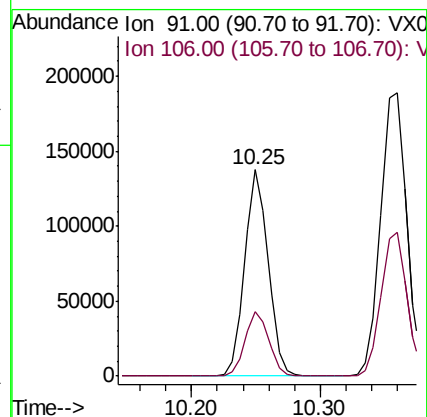
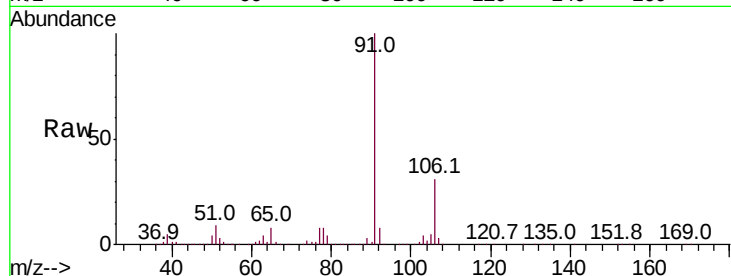
106 31.5 25.4 38.2

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



#68

m/p-Xylenes

Concen: 38.859 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011255.D

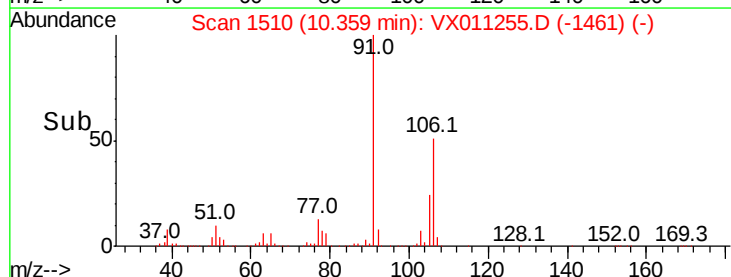
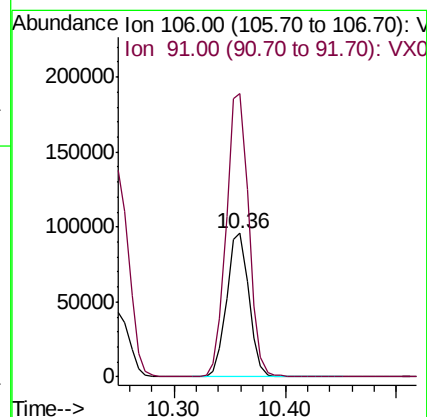
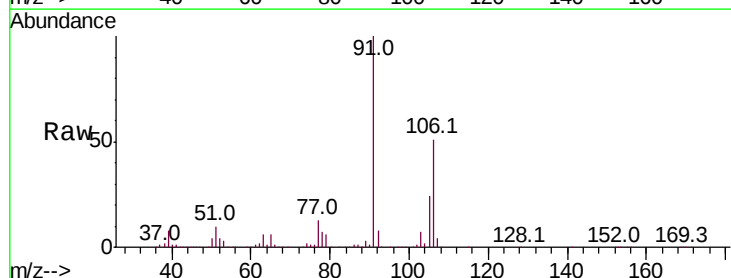
Acq: 31 Jul 2019 20:00

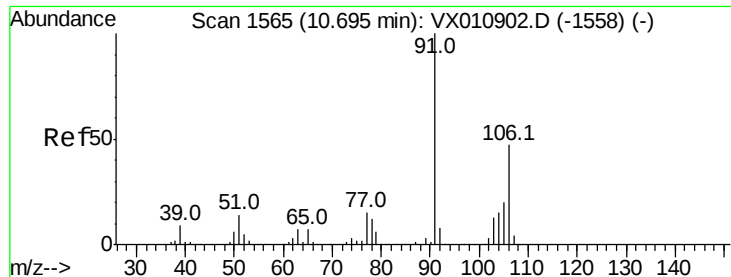
Tgt Ion: 106 Resp: 133098

Ion Ratio Lower Upper

106 100

91 198.7 160.1 240.1





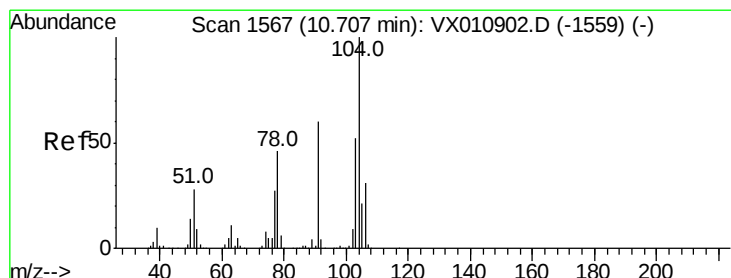
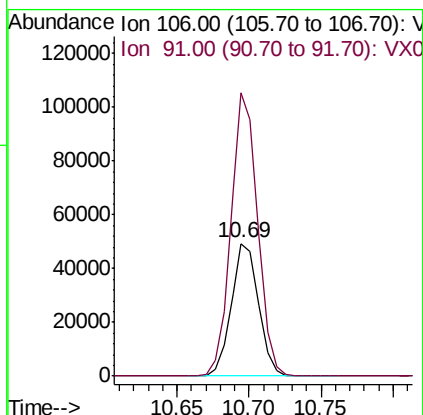
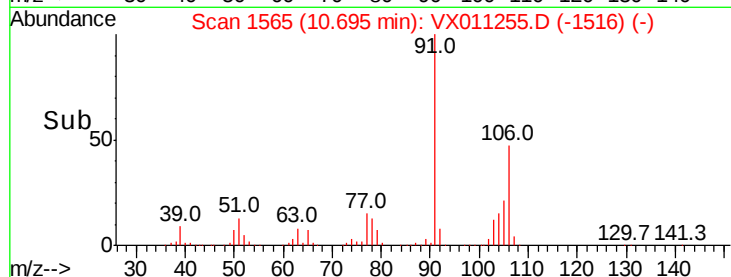
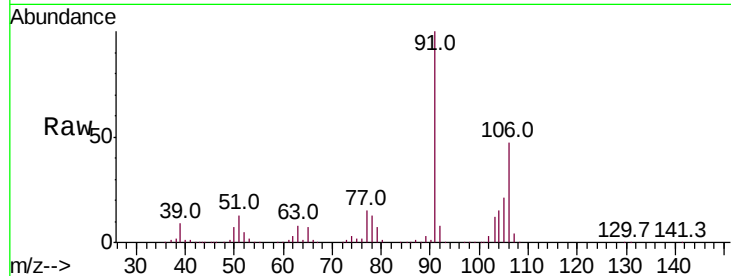
#69
o-Xylene
Concen: 19.550 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion:106 Resp: 65351
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.3

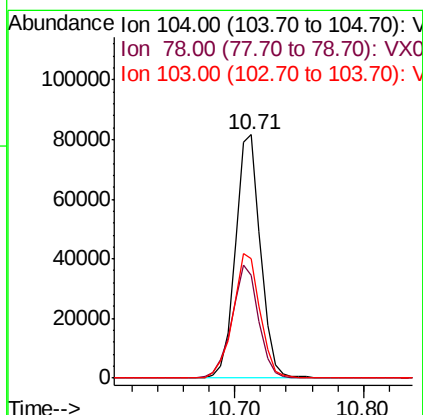
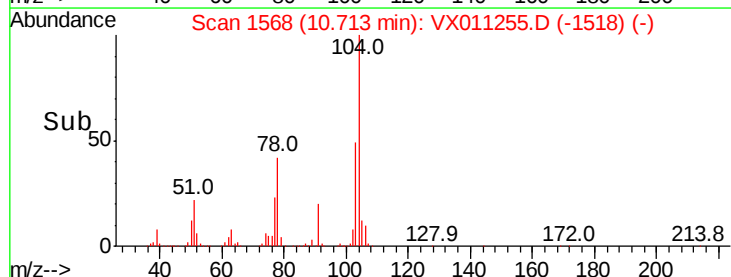
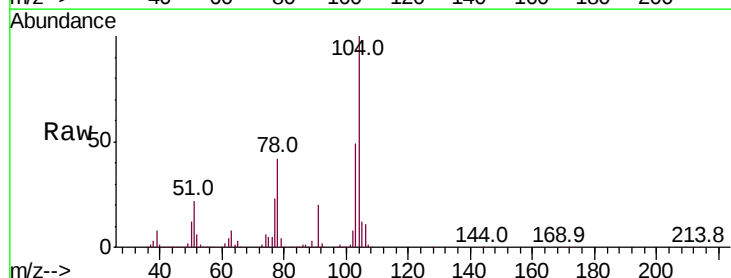
Manual Integrations
APPROVED

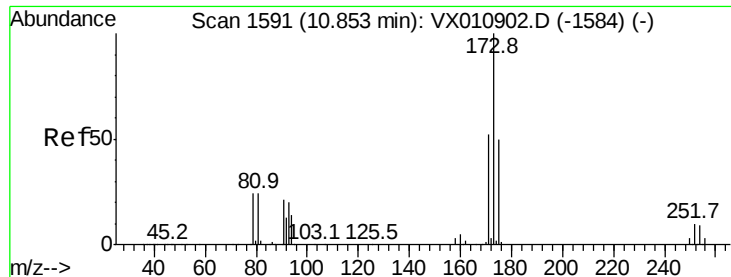
MMdadoda
8/1/2019 11:19:38 AM



#70
Styrene
Concen: 19.784 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion:104 Resp: 110247
Ion Ratio Lower Upper
104 100
78 50.0 38.8 58.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 17.240 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:173 Resp: 25986

Ion Ratio Lower Upper

173 100

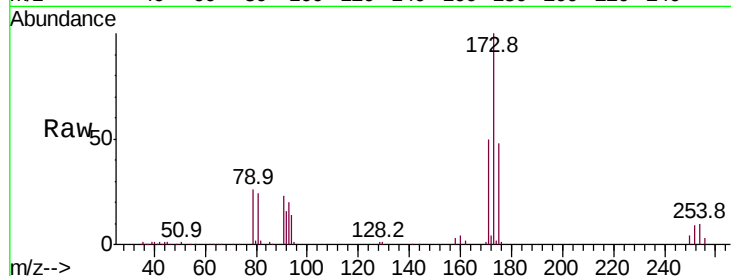
175 49.1 24.6 73.6

254 0.0 0.1 0.1#

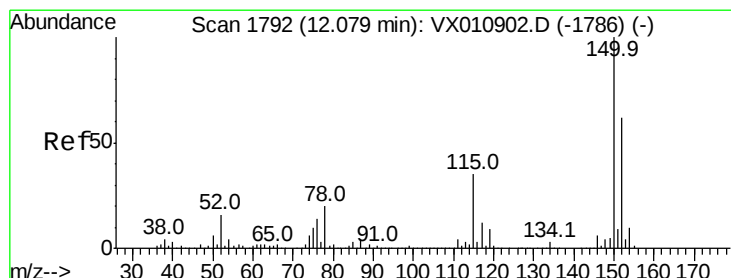
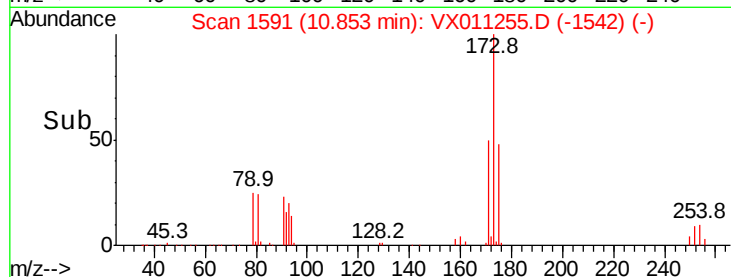
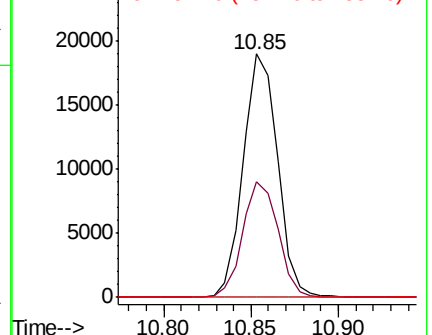
Manual Integrations
APPROVED

MMdadoda

8/1/2019 11:19:38 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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

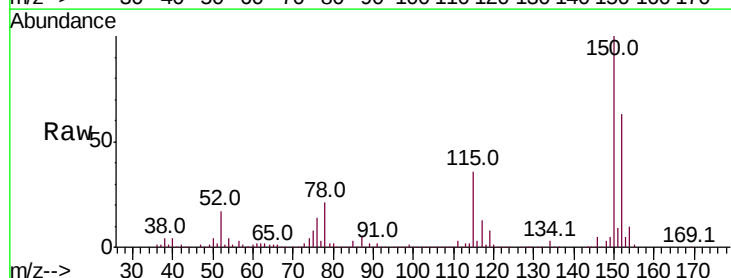
Tgt Ion:152 Resp: 133228

Ion Ratio Lower Upper

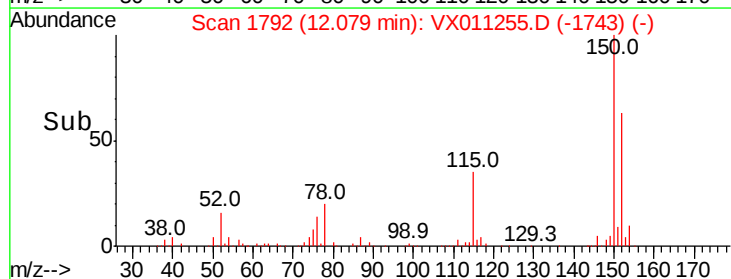
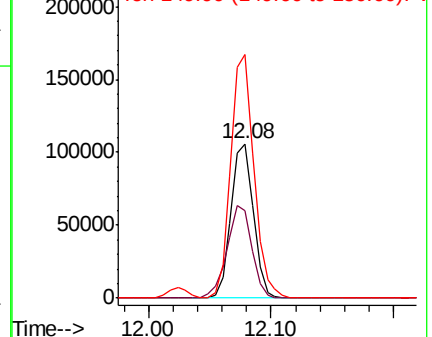
152 100

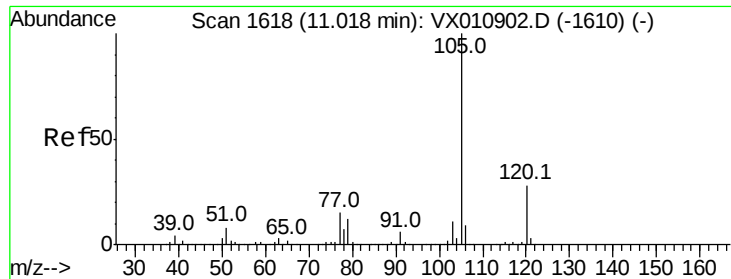
115 66.6 39.7 119.1

150 163.9 0.0 345.6



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: 19.987 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 105 Resp: 179926

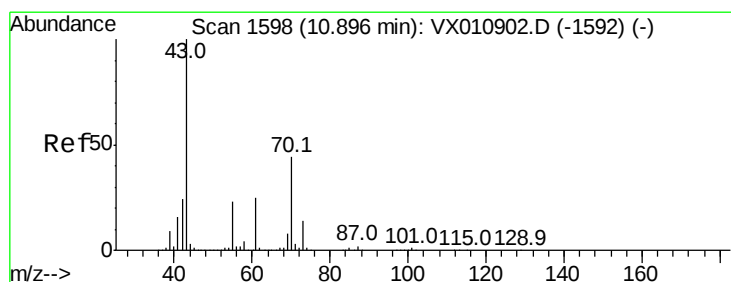
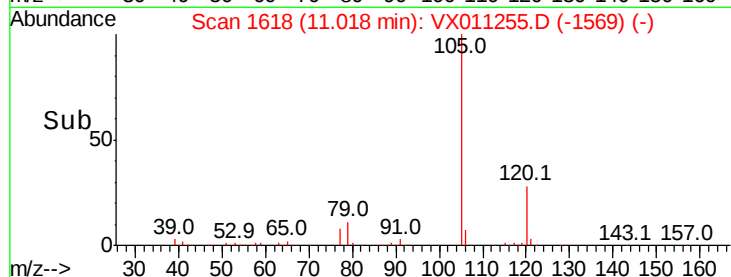
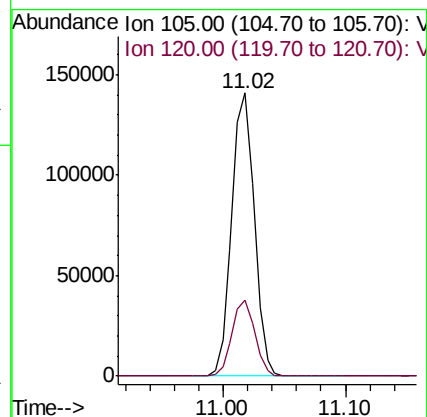
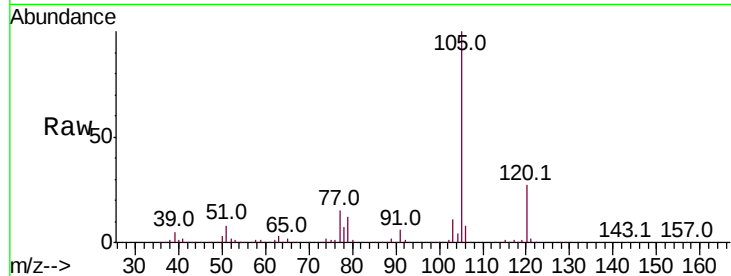
Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.1

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#74

N-ethyl acetate

Concen: 19.400 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Tgt Ion: 43 Resp: 66731

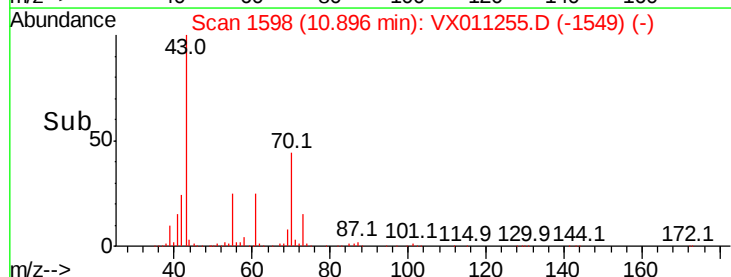
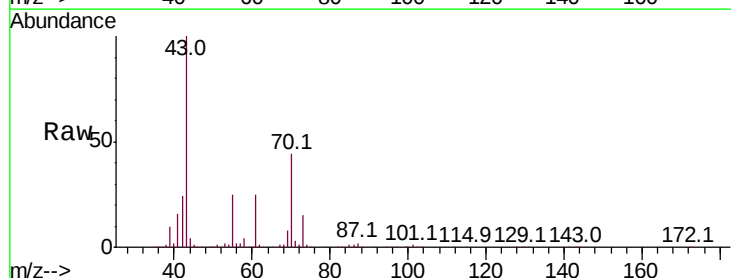
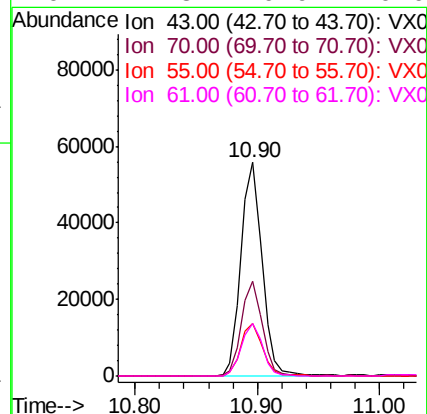
Ion Ratio Lower Upper

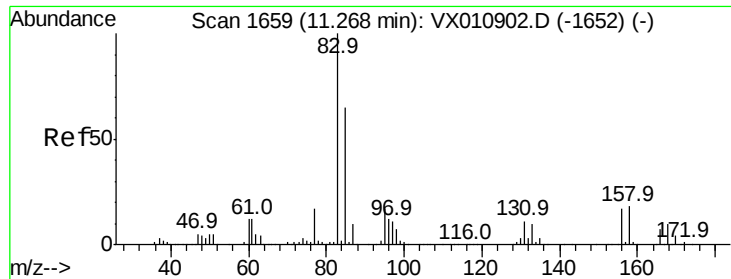
43 100

70 43.9 34.7 52.1

55 25.5 19.1 28.7

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.404 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion: 83 Resp: 60110

Ion Ratio Lower Upper

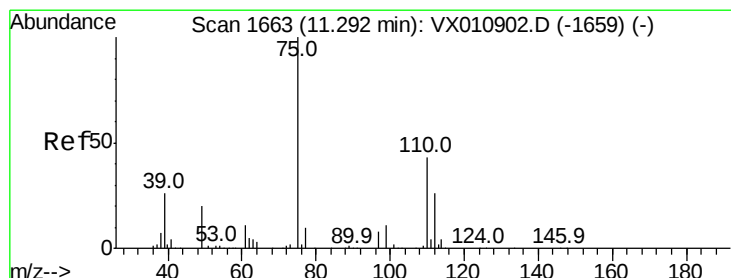
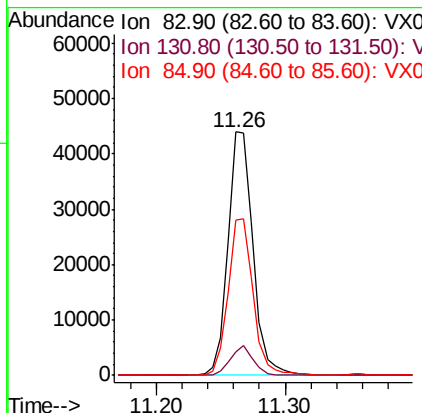
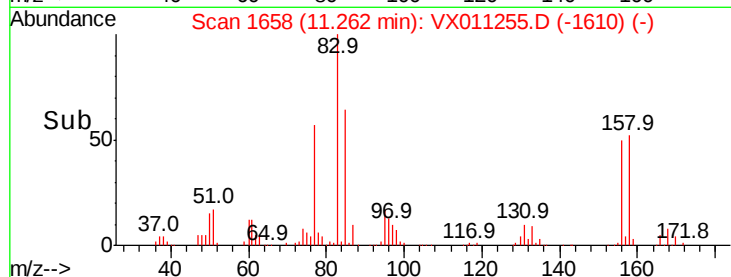
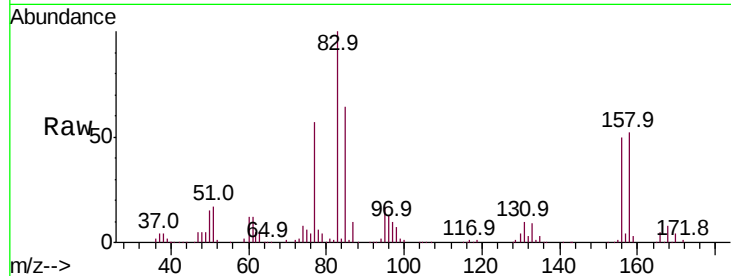
83 100

131 11.1 5.5 16.4

85 64.3 32.3 96.9

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#76

1,2,3-Trichloropropane

Concen: 20.326 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011255.D

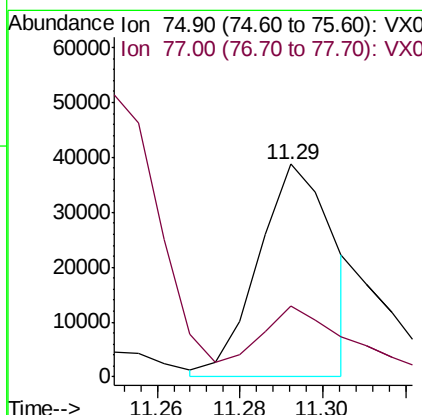
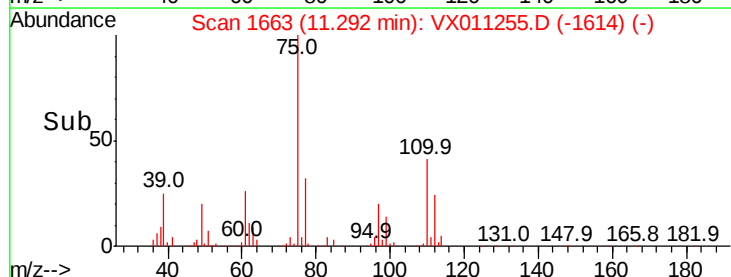
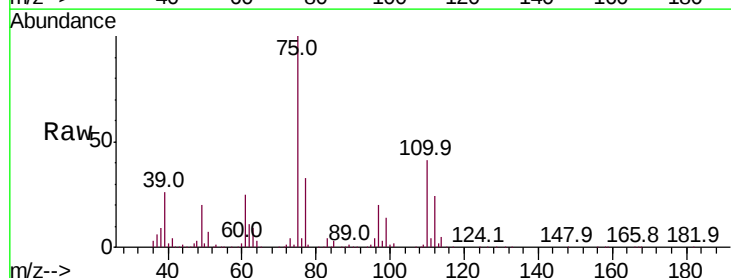
Acq: 31 Jul 2019 20:00

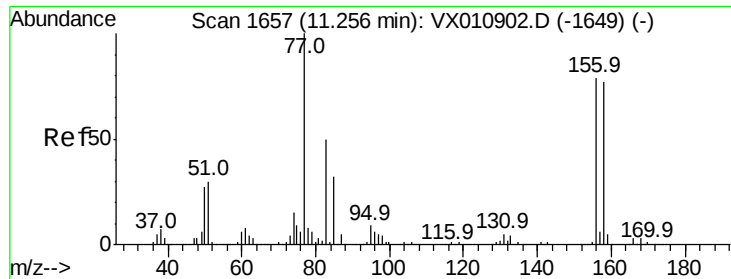
Tgt Ion: 75 Resp: 48868

Ion Ratio Lower Upper

75 100

77 41.0 21.3 64.0





#77

Bromobenzene

Concen: 19.473 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:156 Resp: 48354

Ion Ratio Lower Upper

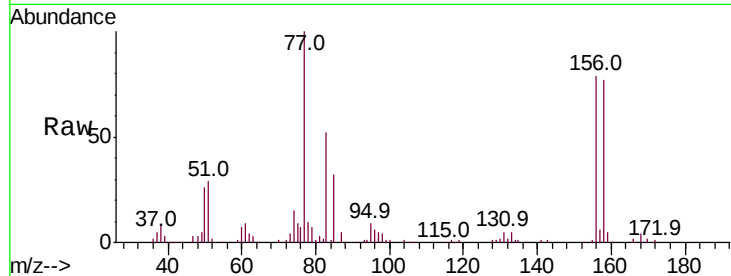
156 100

77 138.3 68.7 206.1

158 96.7 47.9 143.7

Manual Integrations
APPROVED

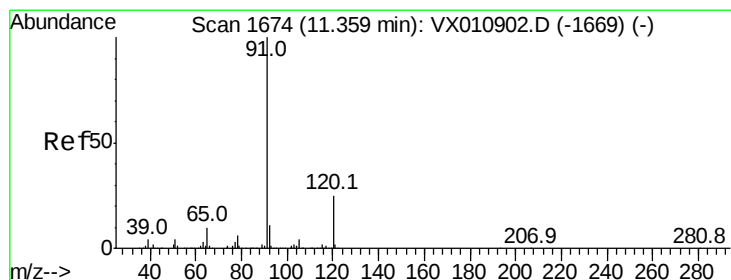
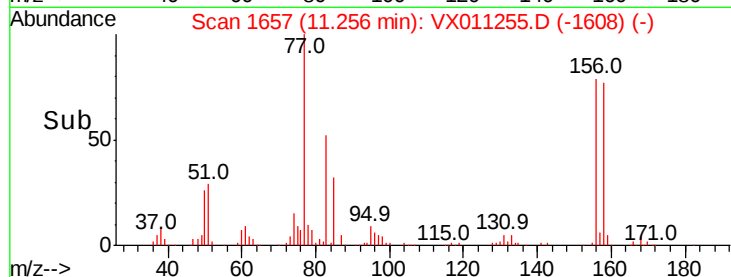
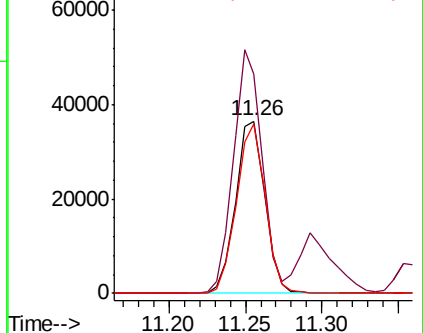
MMdadoda
8/1/2019 11:19:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.774 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011255.D

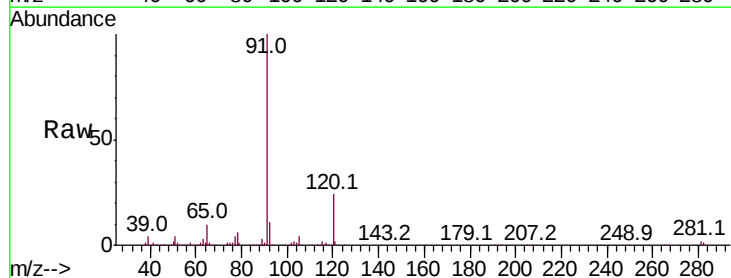
Acq: 31 Jul 2019 20:00

Tgt Ion: 91 Resp: 196689

Ion Ratio Lower Upper

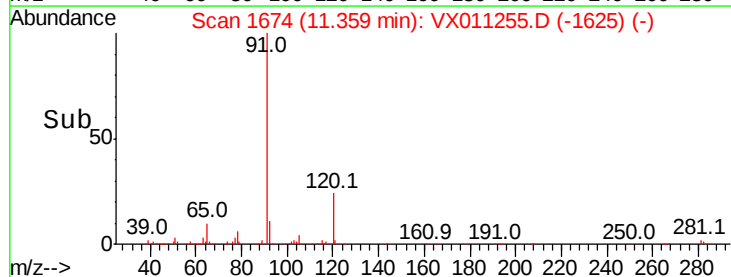
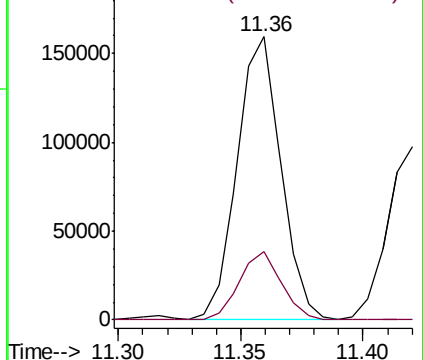
91 100

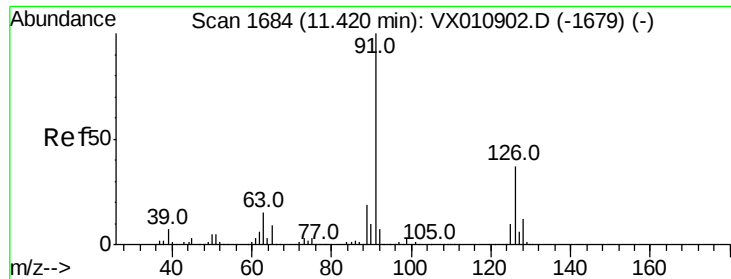
120 23.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





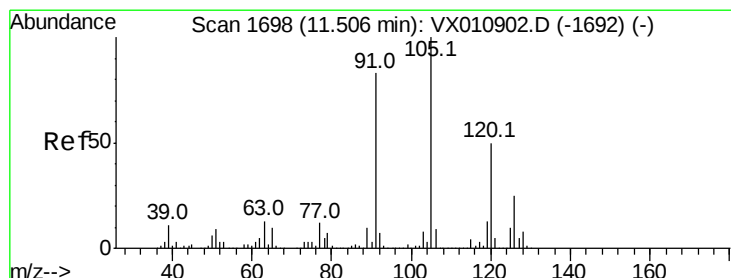
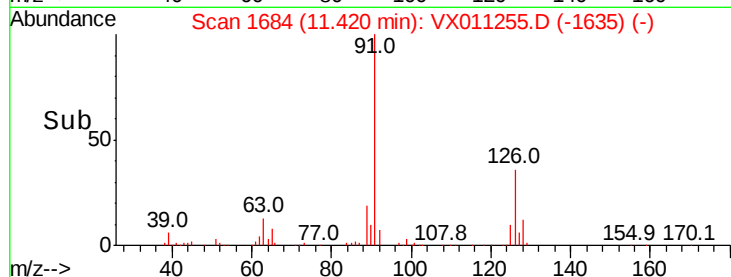
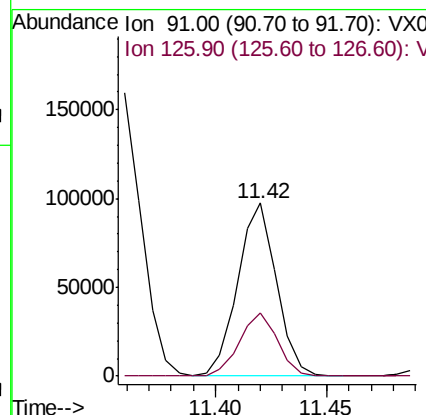
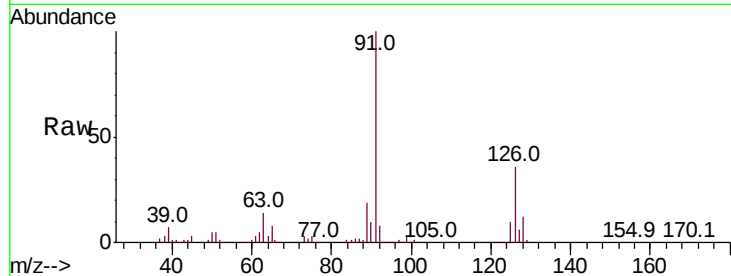
#79
 2-Chlorotoluene
 Concen: 19.693 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion: 91 Resp: 117669
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.0 54.0

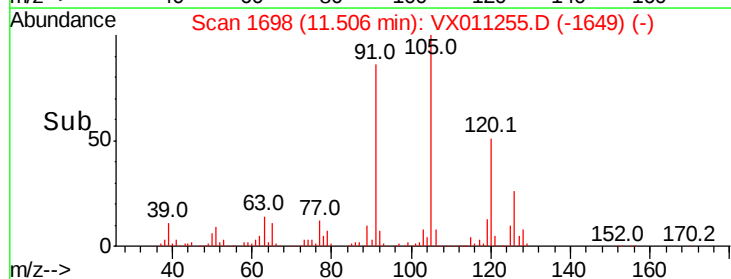
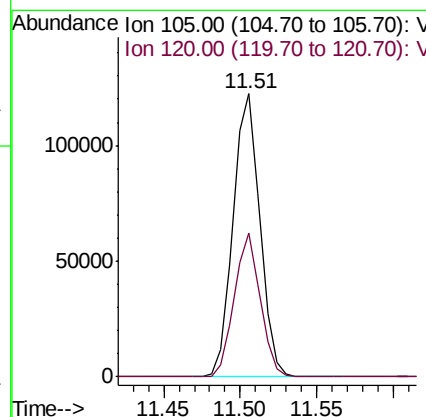
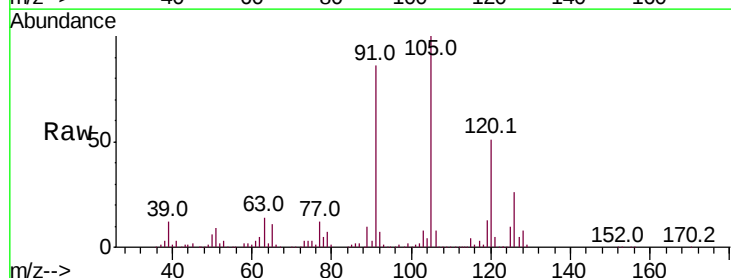
Manual Integrations
 APPROVED

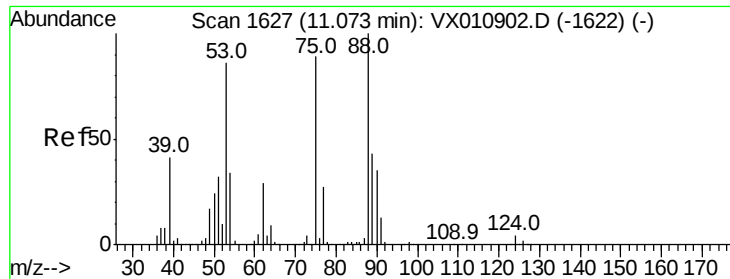
MMDadoda
 8/1/2019 11:19:38 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.705 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion: 105 Resp: 148226
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.8





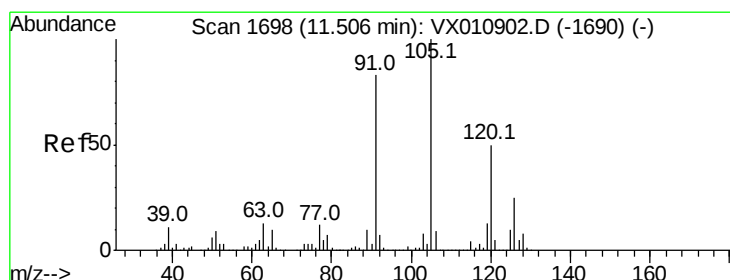
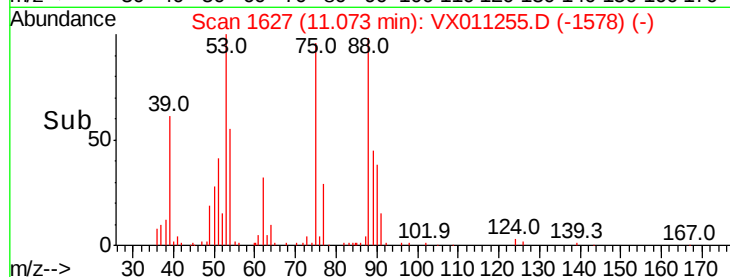
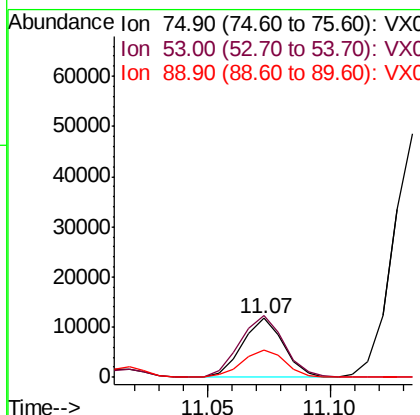
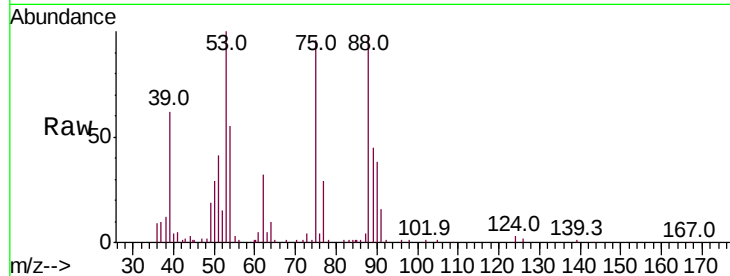
#81
trans-1,4-Dichloro-2-butene
Concen: 17.305 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion: 75 Resp: 13738
Ion Ratio Lower Upper
75 100
53 113.3 76.7 115.1
89 49.4 38.5 57.7

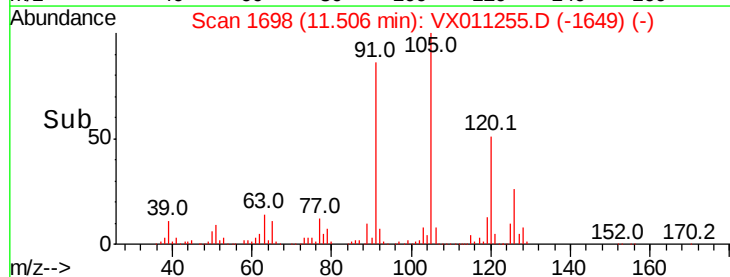
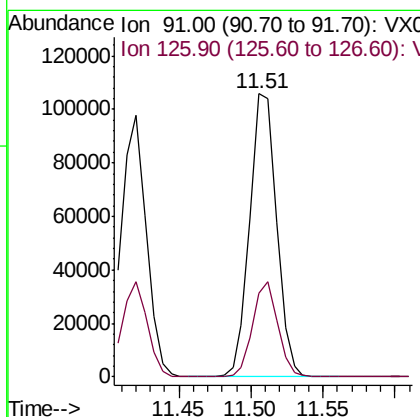
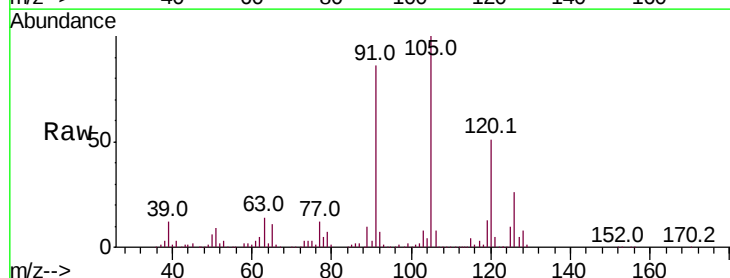
Manual Integrations
APPROVED

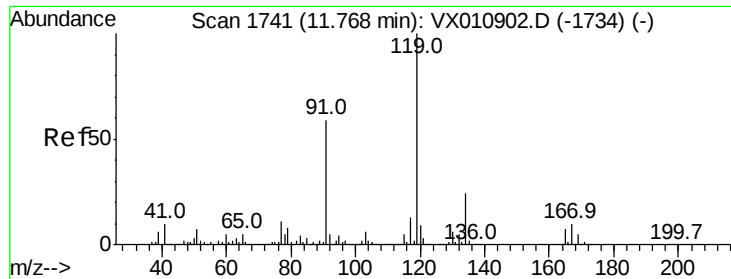
MMdadoda
8/1/2019 11:19:38 AM



#82
4-Chlorotoluene
Concen: 19.570 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion: 91 Resp: 136098
Ion Ratio Lower Upper
91 100
126 31.6 15.9 47.7





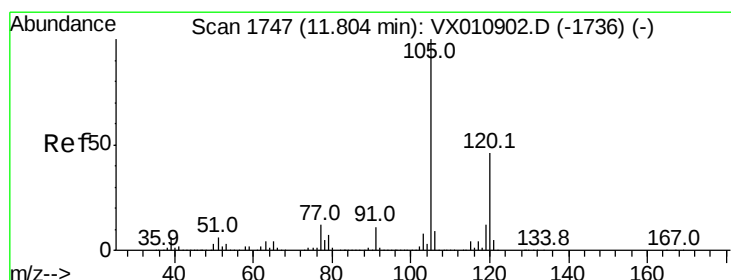
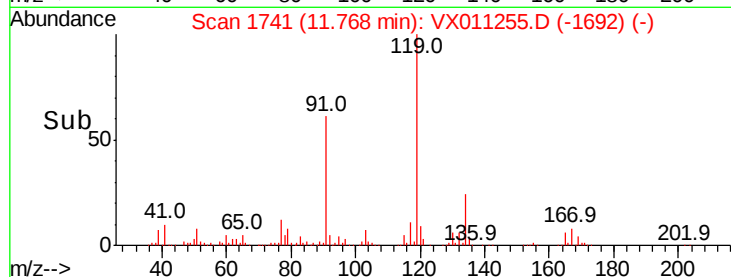
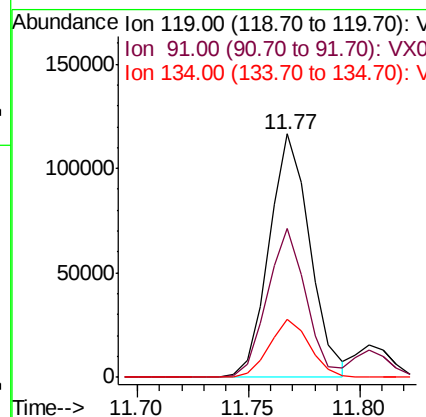
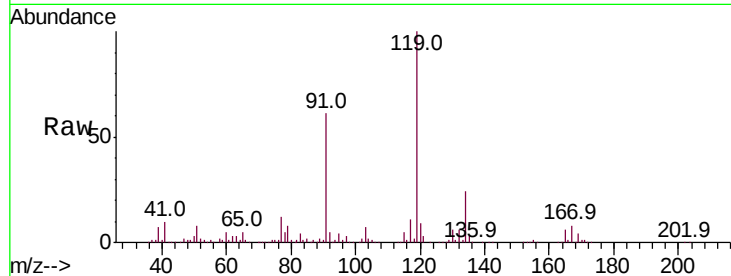
#83
tert-Butylbenzene
Concen: 20.019 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	28.6	85.8
134	23.5	11.6	34.8

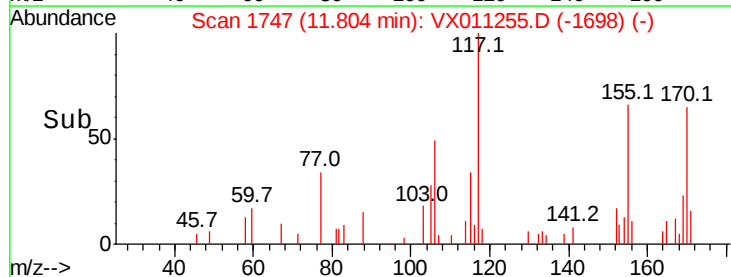
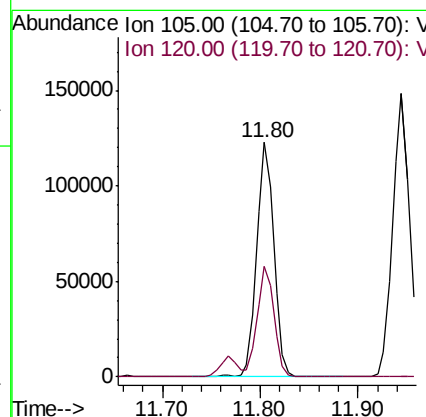
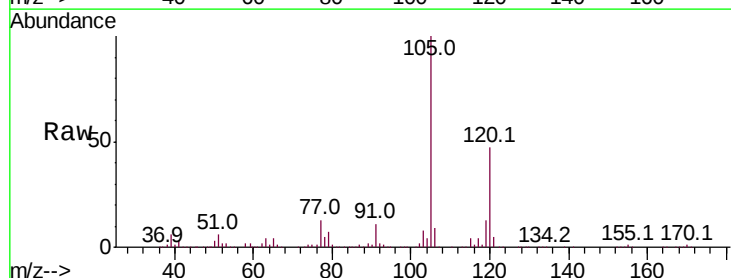
Manual Integrations
APPROVED

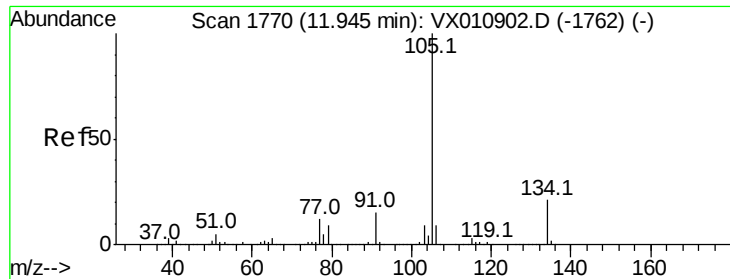
MMDadoda
8/1/2019 11:19:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.801 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.5





#85

sec-Butylbenzene

Concen: 20.336 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS02

Tot Ion:105 Resp: 176059

Ion Ratio Lower Upper

105 100

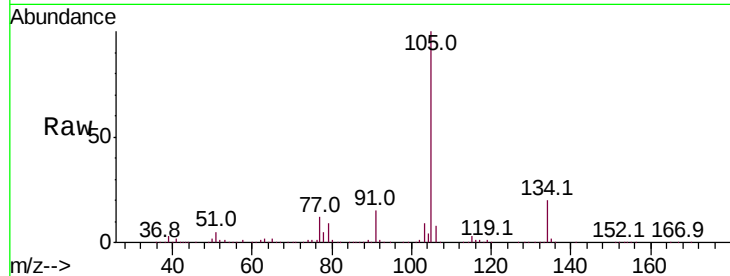
134 20.5 10.4 31.4

Manual Integrations

APPROVED

MMdadoda

8/1/2019 11:19:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

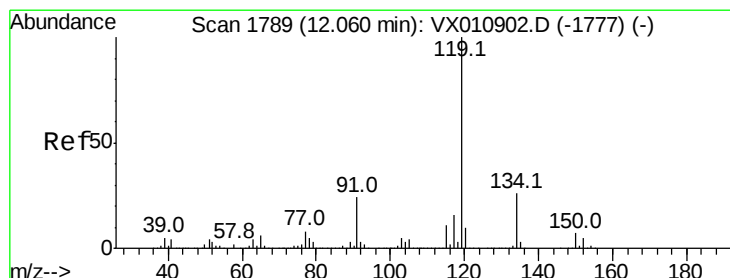
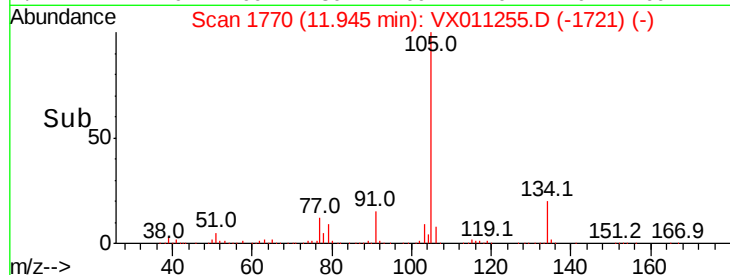
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.051 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011255.D

Acq: 31 Jul 2019 20:00

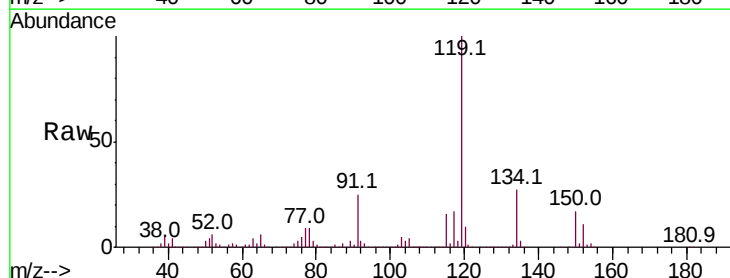
Tgt Ion:119 Resp: 160487

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 23.7 11.8 35.4



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

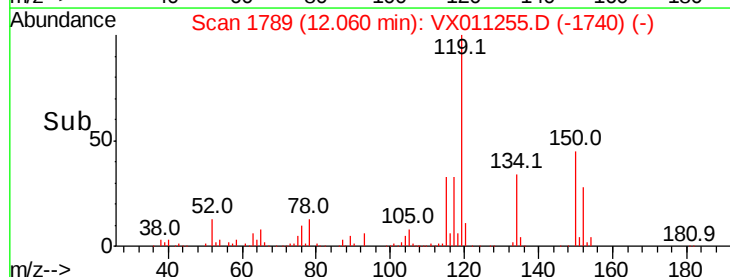
150000

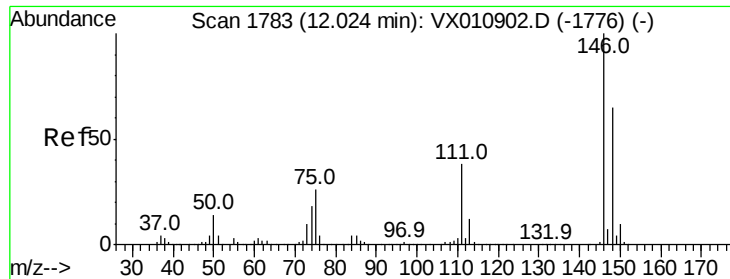
100000

50000

0

Time-->





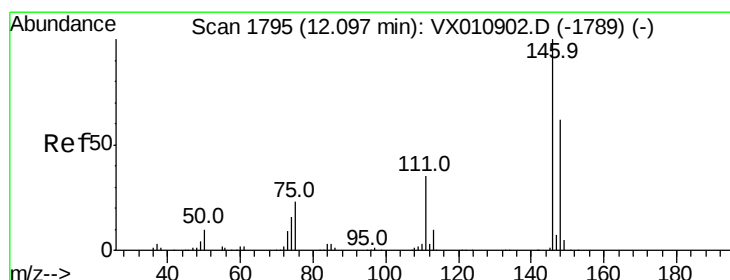
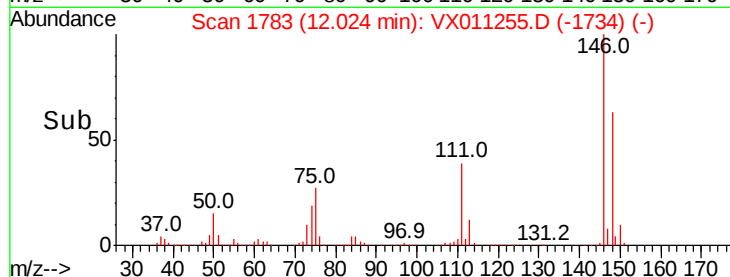
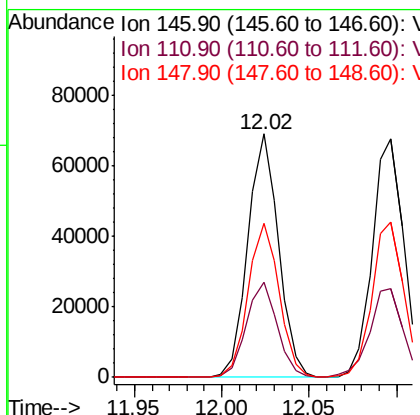
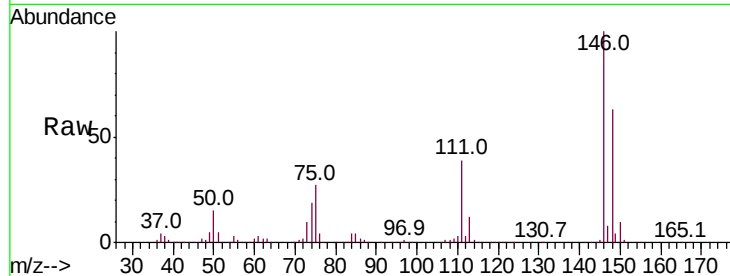
#87
 1,3-Dichlorobenzene
 Concen: 19.573 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.9
148	63.8	32.2	96.6

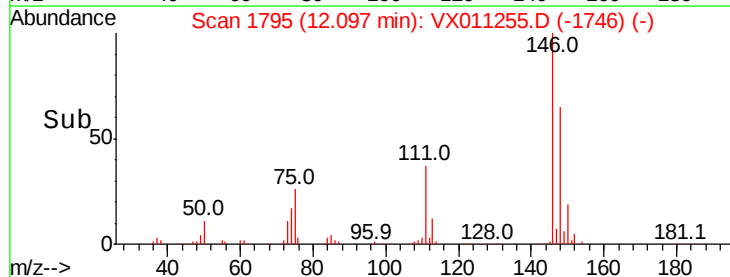
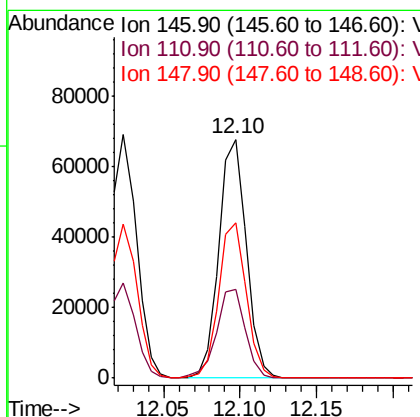
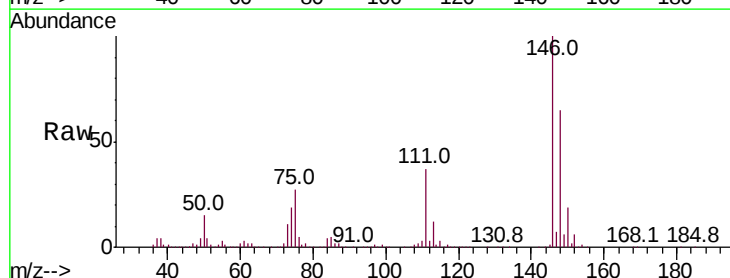
Manual Integrations
 APPROVED

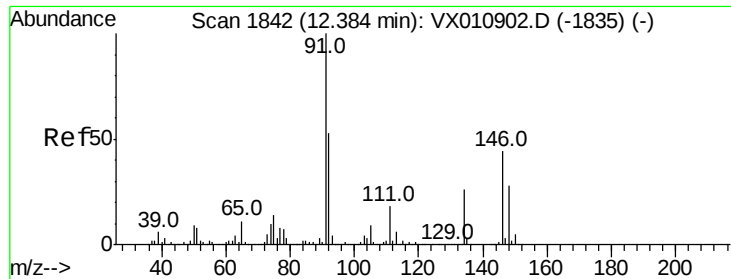
MMDadoda
 8/1/2019 11:19:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.106 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.6	55.8
148	65.5	31.6	94.7





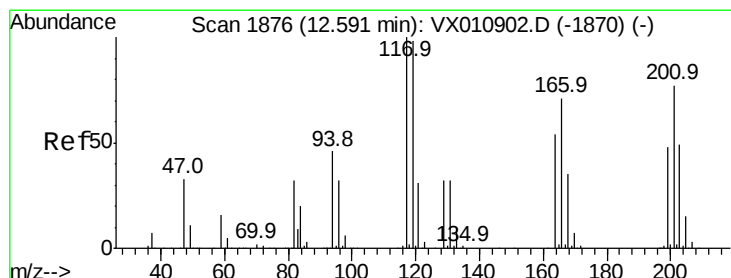
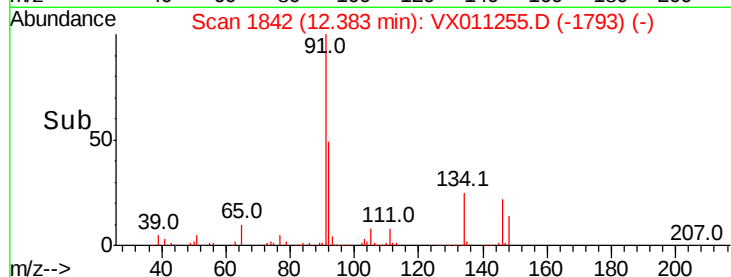
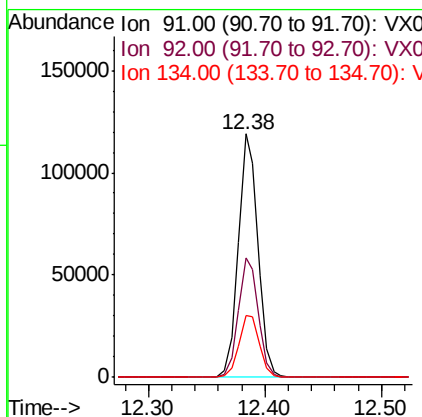
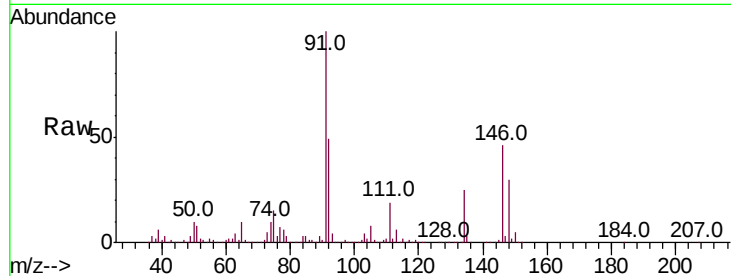
#89
n-Butylbenzene
Concen: 20.401 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.2	78.5
134	26.6	13.8	41.3

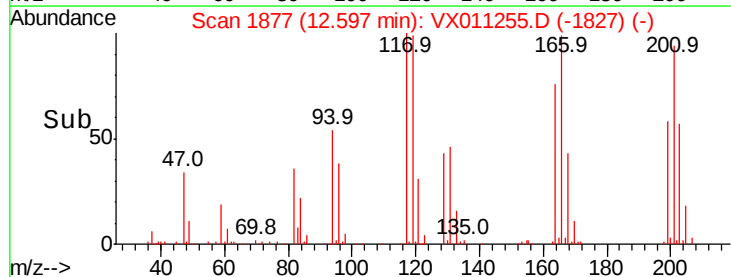
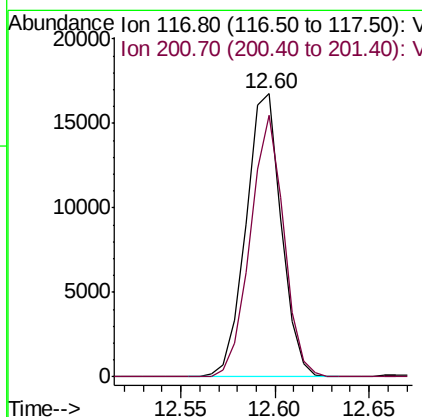
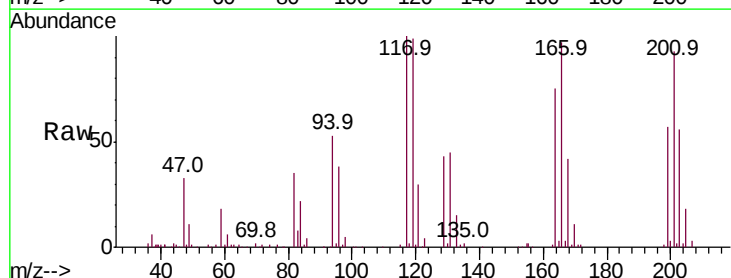
Manual Integrations
APPROVED

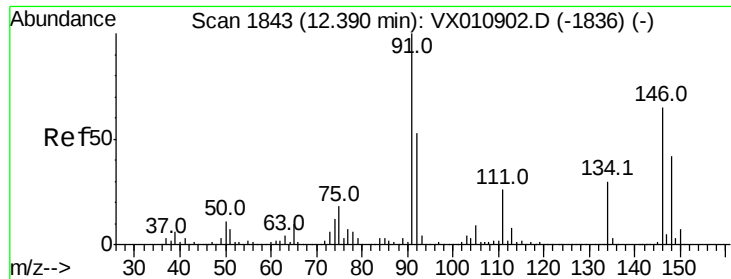
MMDadoda
8/1/2019 11:19:38 AM



#90
Hexachloroethane
Concen: 17.298 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	43.3	129.8





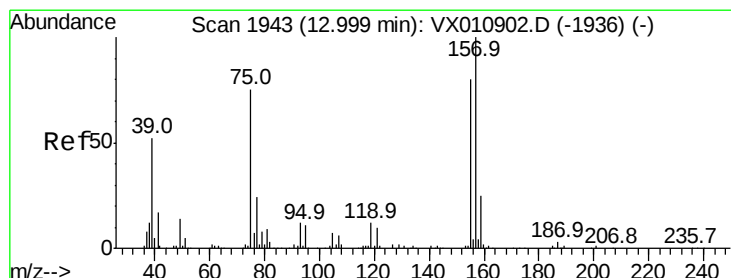
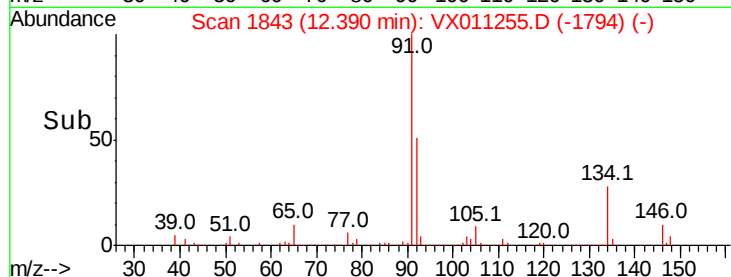
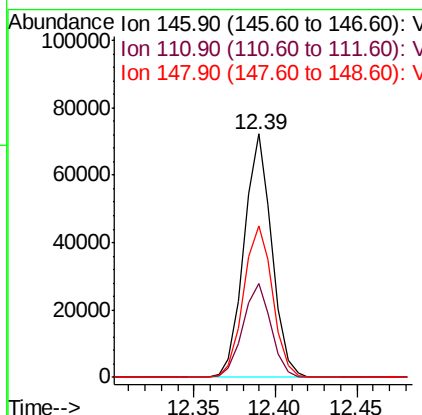
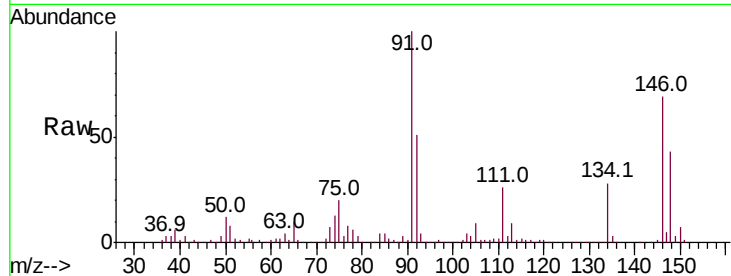
#91
 1,2-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.7
148	65.1	32.0	96.2

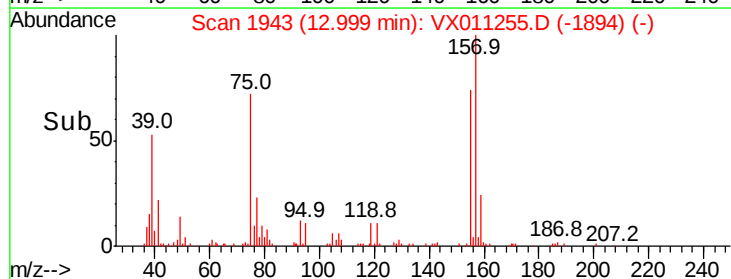
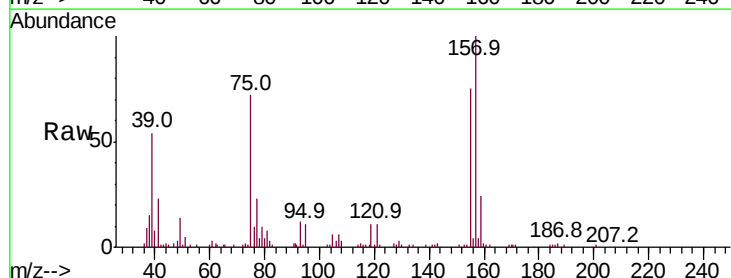
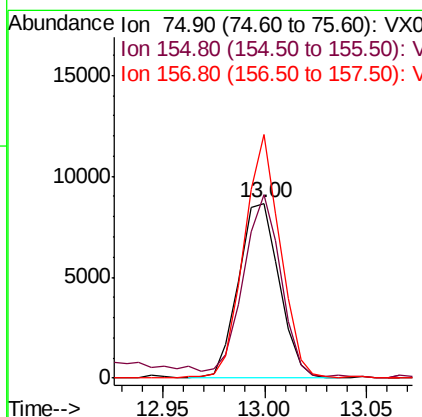
Manual Integrations
 APPROVED

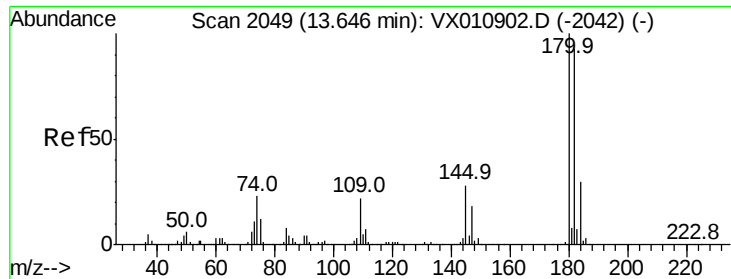
MMdadoda
 8/1/2019 11:19:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.495 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	48.7	146.1
157	124.3	62.5	187.6





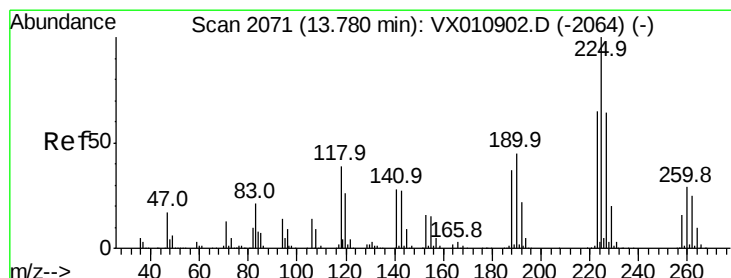
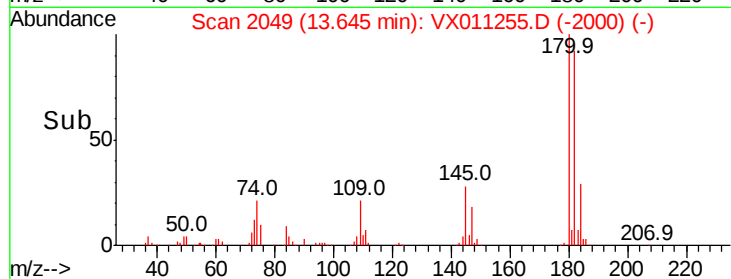
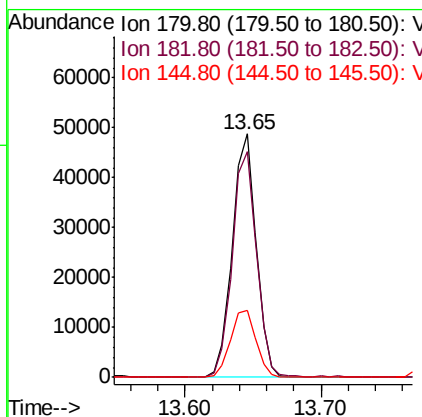
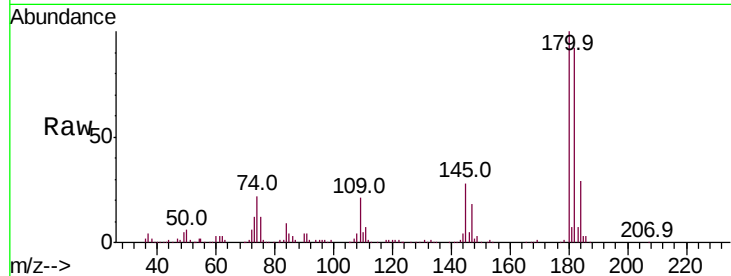
#93
 1,2,4-Trichlorobenzene
 Concen: 20.605 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59637		
182	94.6	47.1	141.3	
145	30.1	14.8	44.4	

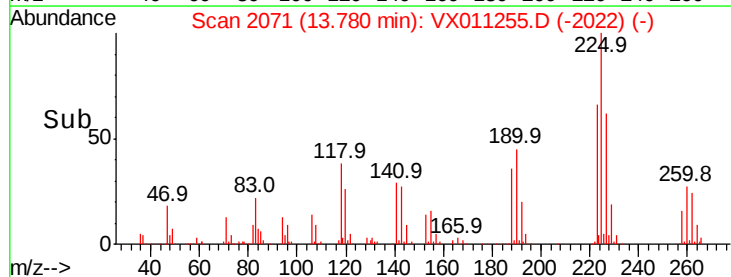
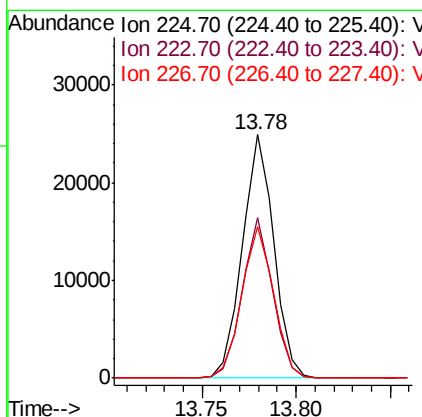
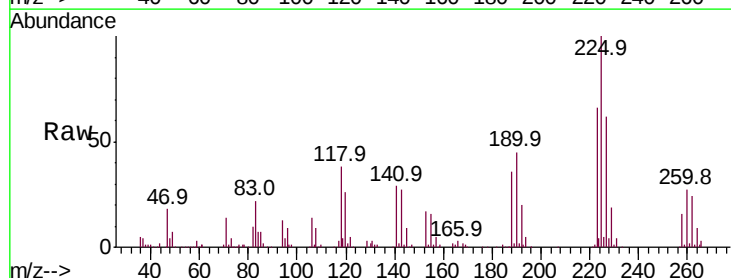
Manual Integrations
 APPROVED

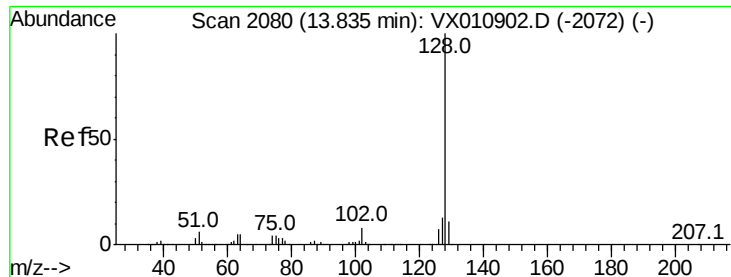
MMDadoda
 8/1/2019 11:19:38 AM



#94
 Hexachlorobutadiene
 Concen: 20.123 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011255.D
 Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28863		
223	63.3	31.9	95.9	
227	63.0	32.5	97.4	





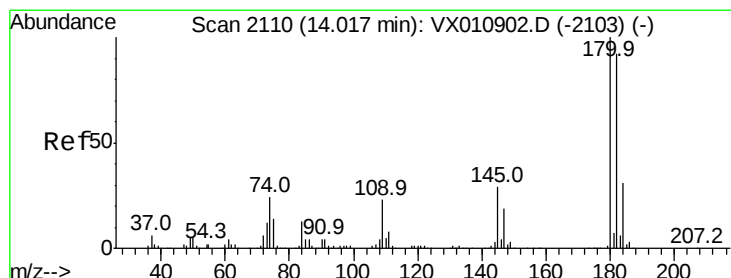
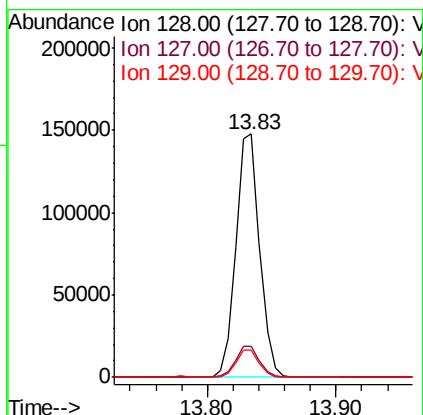
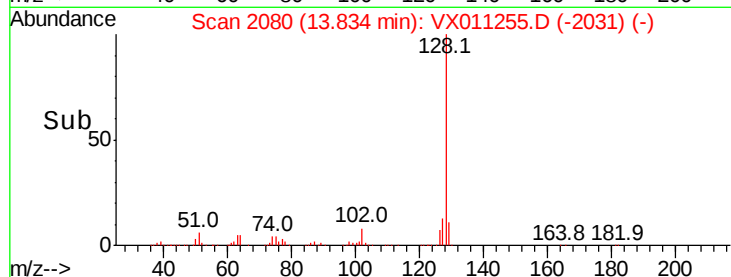
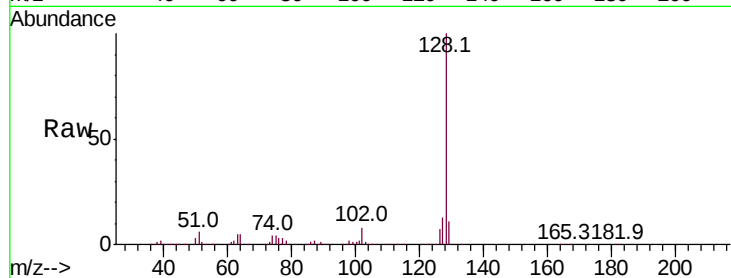
#95
Naphthalene
Concen: 22.151 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189323		
127	13.1		10.4	15.6
129	11.1		8.9	13.3

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.604 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011255.D
Acq: 31 Jul 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59336		
182	100.7		47.4	142.3
145	32.6		15.1	45.3

