

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003463.D
 Acq On : 19 Jul 2018 13:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:07 PM

Quant Time: Jul 19 15:22:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	454243	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	20654	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
35) Dibromofluoromethane	5.50	113	17894	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	8.72	98	68007	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	11.14	95	23805	4.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	16290	4.86	ug/l	97
3) Chloromethane	1.32	50	18733	4.70	ug/l	98
4) Vinyl Chloride	1.41	62	21076	5.10	ug/l	93
5) Bromomethane	1.64	94	10118	4.05	ug/l	99
6) Chloroethane	1.71	64	13232	4.85	ug/l	97
7) Trichlorofluoromethane	1.93	101	27771	4.13	ug/l	95
8) Diethyl Ether	2.19	74	12093	4.73	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18442	4.91	ug/l	96
10) Methyl Iodide	2.51	142	20133	4.35	ug/l	94
11) Tert butyl alcohol	3.07	59	20251	20.42	ug/l	99
12) 1,1-Dichloroethene	2.37	96	16411	4.65	ug/l	97
13) Acrolein	2.29	56	8379	16.66	ug/l	97
14) Allyl chloride	2.73	41	29435	4.20	ug/l	87
15) Acrylonitrile	3.15	53	48699	22.51	ug/l	98
16) Acetone	2.45	43	36034	17.03	ug/l #	85
17) Carbon Disulfide	2.57	76	47532	5.68	ug/l #	94
18) Methyl Acetate	2.78	43	21921	3.89	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	55413	4.19	ug/l	99
20) Methylene Chloride	2.85	84	19744	4.55	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	18495	4.83	ug/l	90
22) Diisopropyl ether	3.87	45	56798	4.48	ug/l	96
23) Vinyl Acetate	3.82	43	231854	21.86	ug/l #	95
24) 1,1-Dichloroethane	3.70	63	33240	4.83	ug/l	98
25) 2-Butanone	4.71	43	60091	21.62	ug/l	91
26) 2,2-Dichloropropane	4.57	77	24145	4.89	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	20276	5.21	ug/l #	1
28) Bromochloromethane	5.01	49	14615	4.54	ug/l	85
29) Tetrahydrofuran	5.17	42	39640	21.76	ug/l	92
30) Chloroform	5.21	83	31764	4.79	ug/l	97
31) Cyclohexane	5.57	56	27643	4.88	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	26304	4.74	ug/l	95
36) 1,1-Dichloropropene	5.79	75	24303	5.04	ug/l	97
37) Ethyl Acetate	4.86	43	24268	4.44	ug/l #	89
38) Carbon Tetrachloride	5.79	117	22755	4.74	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003463.D
 Acq On : 19 Jul 2018 13:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:07 PM

Quant Time: Jul 19 15:22:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	27411	4.86	ug/l	97
40) Benzene	6.15	78	74435	5.15	ug/l	98
41) Methacrylonitrile	5.06	41	13315	4.32	ug/l	93
42) 1,2-Dichloroethane	6.20	62	23955	4.28	ug/l	93
43) Isopropyl Acetate	6.47	43	36281	4.01	ug/l #	93
44) Trichloroethene	7.21	130	22365	5.36	ug/l	100
45) 1,2-Dichloropropane	7.52	63	18984	4.99	ug/l	99
46) Dibromomethane	7.67	93	12073	4.74	ug/l	95
47) Bromodichloromethane	7.90	83	21027	4.68	ug/l	96
48) Methyl methacrylate	7.78	41	17663	3.82	ug/l	86
49) 1,4-Dioxane	7.76	88	8706	99.44	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	115099	19.81	ug/l	93
52) Toluene	8.79	92	46806	5.07	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	25107	4.75	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	21523	4.40	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	18609	4.99	ug/l	92
56) Ethyl methacrylate	9.18	69	24002	4.18	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	30318	4.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	61520	22.17	ug/l	97
59) 2-Hexanone	9.50	43	84127	19.22	ug/l	90
60) Dibromochloromethane	9.59	129	16359	4.55	ug/l	98
61) 1,2-Dibromoethane	9.68	107	18628	4.82	ug/l	99
64) Tetrachloroethene	9.34	164	26048	5.63	ug/l	96
65) Chlorobenzene	10.14	112	53925	5.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	17626	5.05	ug/l	99
67) Ethyl Benzene	10.26	91	84751	4.91	ug/l	99
68) m/p-Xylenes	10.36	106	65559	9.85	ug/l	95
69) o-Xylene	10.70	106	31155	4.76	ug/l	99
70) Styrene	10.71	104	50503	4.70	ug/l	97
71) Bromoform	10.86	173	12526	4.78	ug/l #	97
73) Isopropylbenzene	11.02	105	84766	5.20	ug/l	99
74) N-amyl acetate	6.47	43	36281	4.48	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	25566	5.31	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	22407m	4.87	ug/l	
77) Bromobenzene	11.26	156	24217	5.33	ug/l	96
78) n-propylbenzene	11.36	91	91825	4.91	ug/l	99
79) 2-Chlorotoluene	11.42	91	57480	5.15	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	68543	4.97	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	5925	4.87	ug/l	96
82) 4-Chlorotoluene	11.51	91	65700	4.99	ug/l	97
83) tert-Butylbenzene	11.77	119	65953	4.97	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	69143	4.92	ug/l	97
85) sec-Butylbenzene	11.95	105	81602	4.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	71241	4.77	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	44784	5.38	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	45484	5.37	ug/l	97
89) n-Butylbenzene	12.39	91	57614	4.37	ug/l	99
90) Hexachloroethane	12.60	117	9439	4.58	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	43930	5.24	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4411	4.37	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
Data File : VX003463.D
Acq On : 19 Jul 2018 13:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

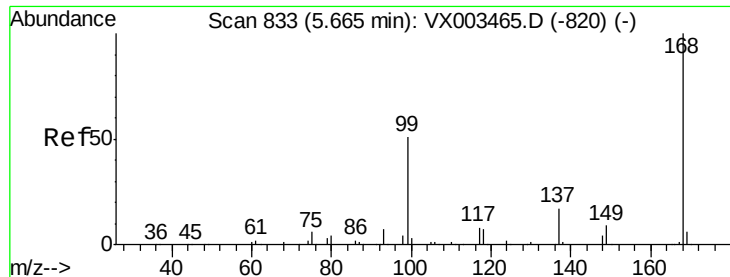
Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM

Quant Time: Jul 19 15:22:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 15:12:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30233	4.97	ug/l	97
94) Hexachlorobutadiene	13.79	225	15017	4.69	ug/l	97
95) Naphthalene	13.83	128	77164	4.71	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	30233	4.95	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 315646

Ion Ratio Lower Upper

168 100

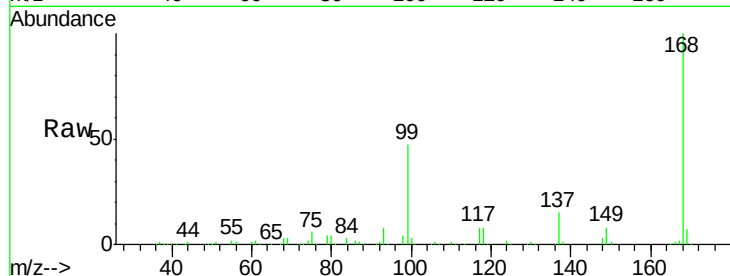
99 47.0 39.3 58.9

Manual Integrations

APPROVED

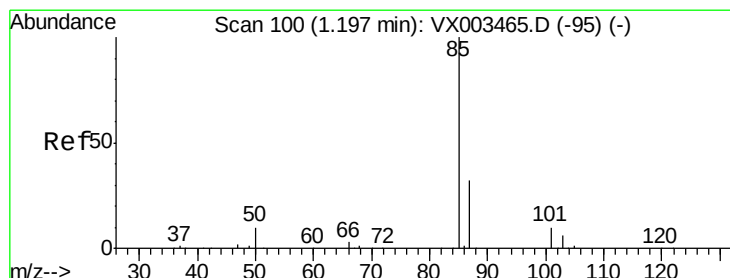
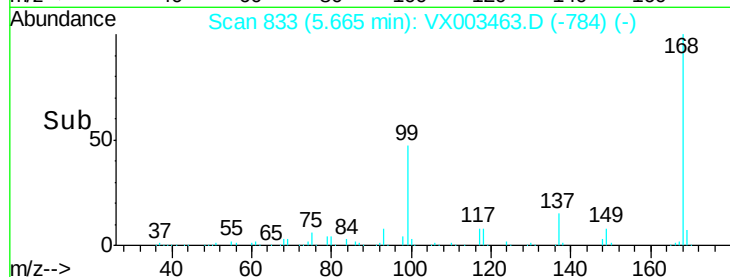
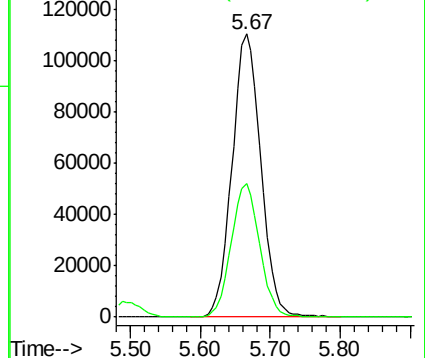
MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003463.D

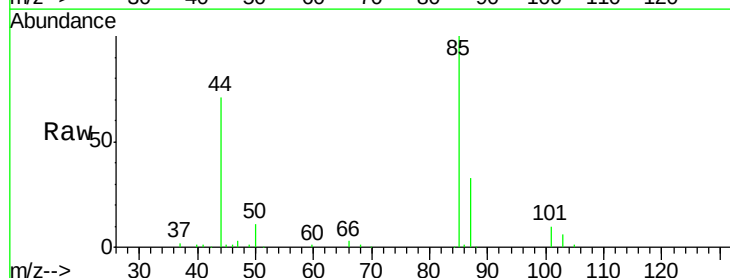
Acq: 19 Jul 2018 13:29

Tgt Ion: 85 Resp: 16290

Ion Ratio Lower Upper

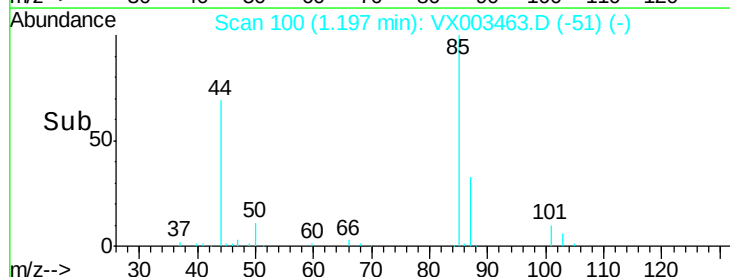
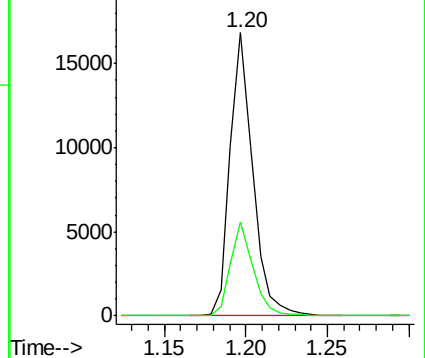
85 100

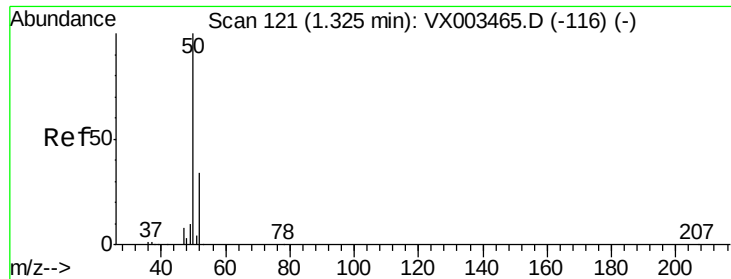
87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.70 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18733

Ion Ratio Lower Upper

50 100

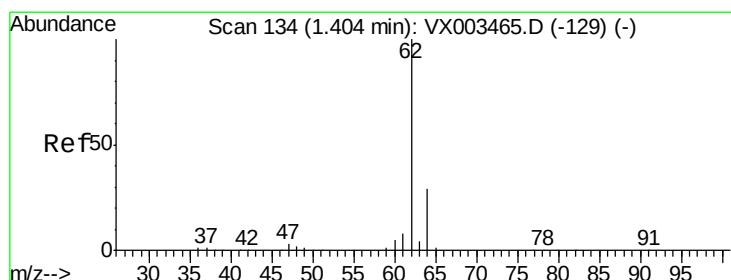
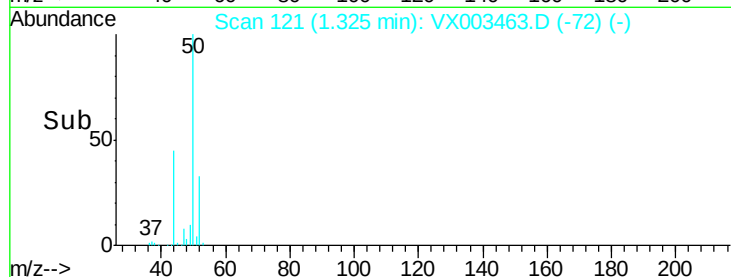
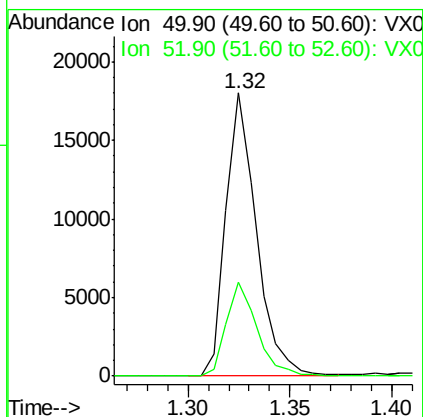
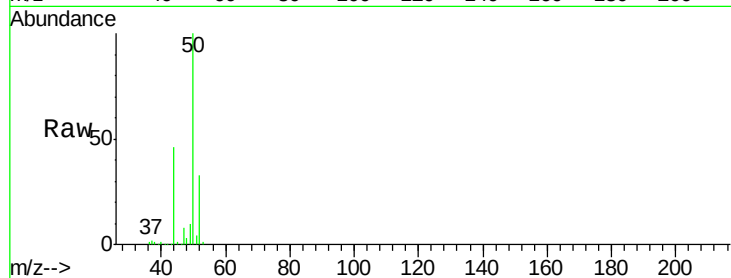
52 33.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:07 PM



#4

Vinyl Chloride

Concen: 5.10 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003463.D

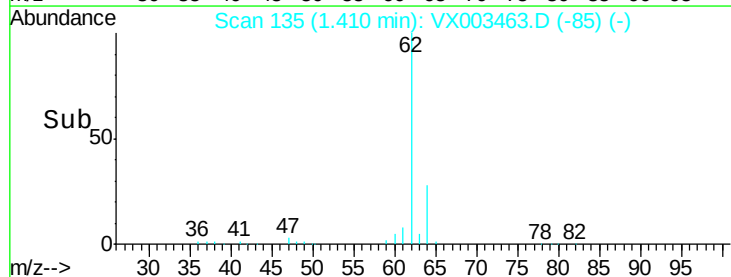
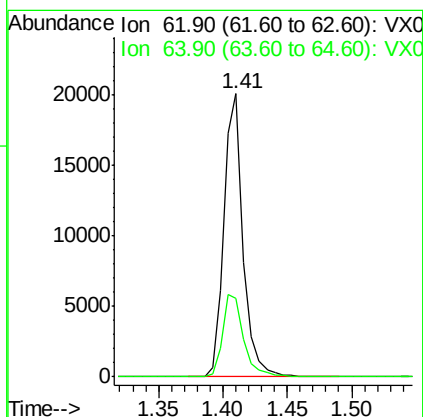
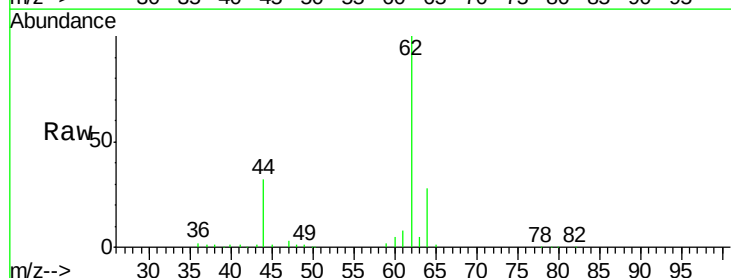
Acq: 19 Jul 2018 13:29

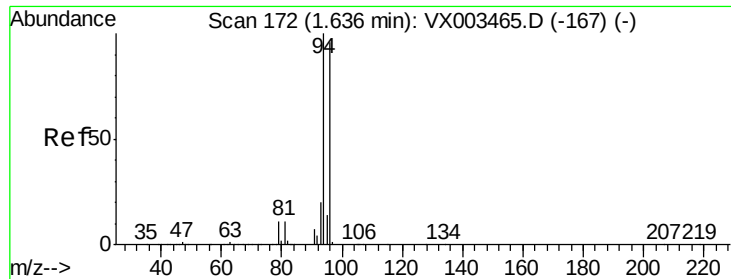
Tgt Ion: 62 Resp: 21076

Ion Ratio Lower Upper

62 100

64 27.8 25.4 38.2





#5

Bromomethane

Concen: 4.05 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10118

Ion Ratio Lower Upper

94 100

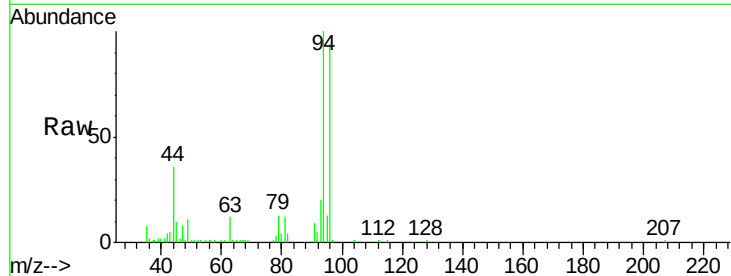
96 94.1 74.9 112.3

Manual Integrations

APPROVED

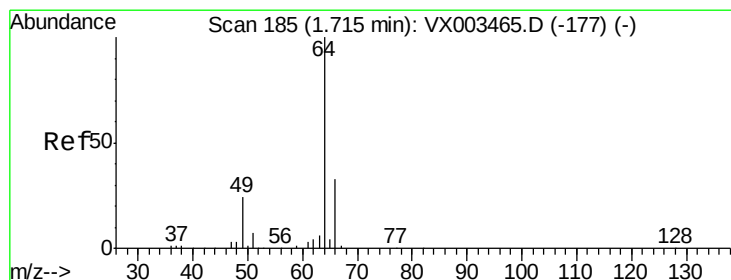
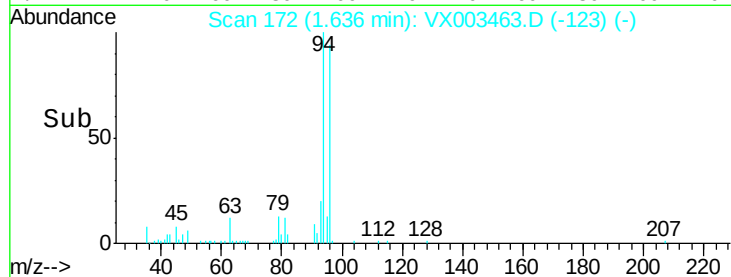
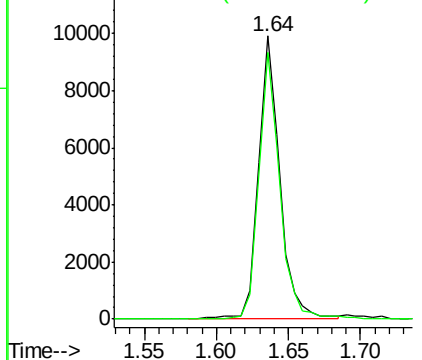
MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.85 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX003463.D

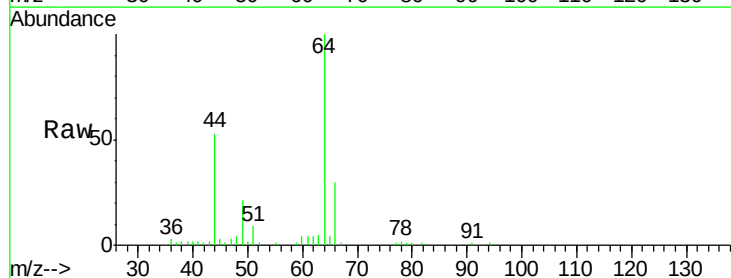
Acq: 19 Jul 2018 13:29

Tgt Ion: 64 Resp: 13232

Ion Ratio Lower Upper

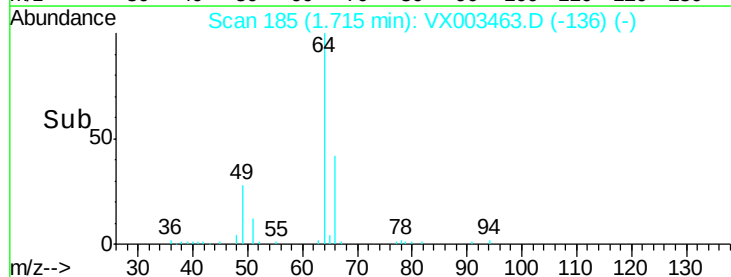
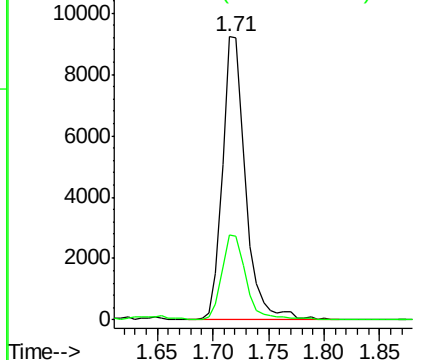
64 100

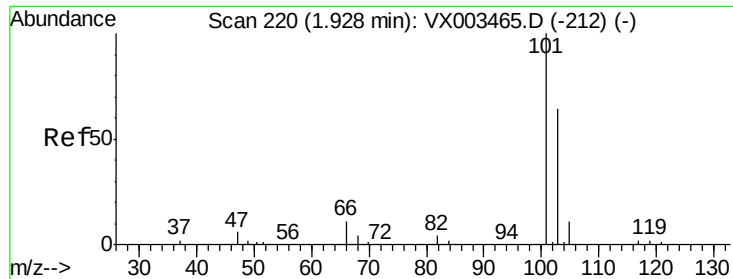
66 30.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 4.13 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 27771

Ion Ratio Lower Upper

101 100

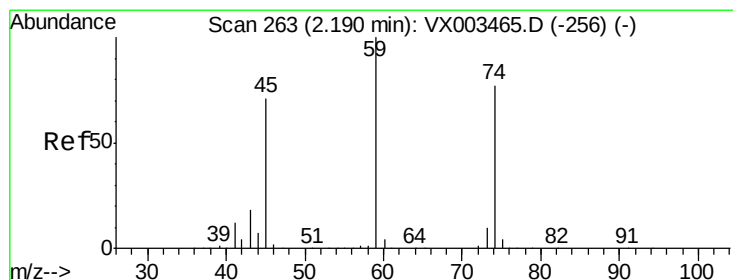
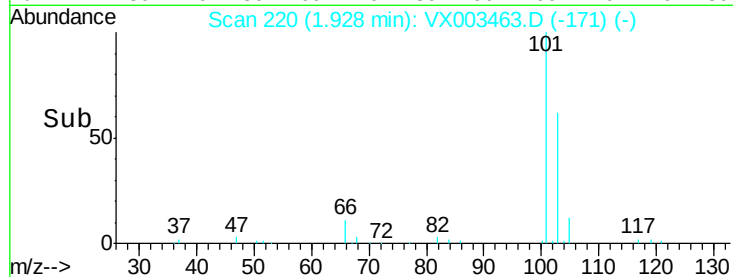
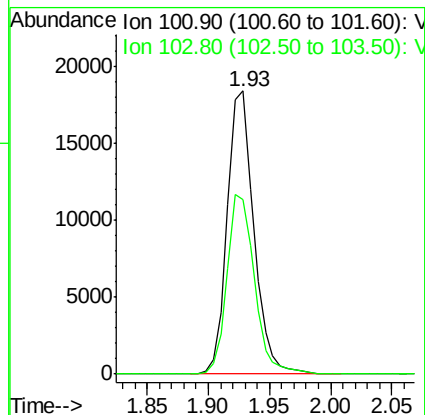
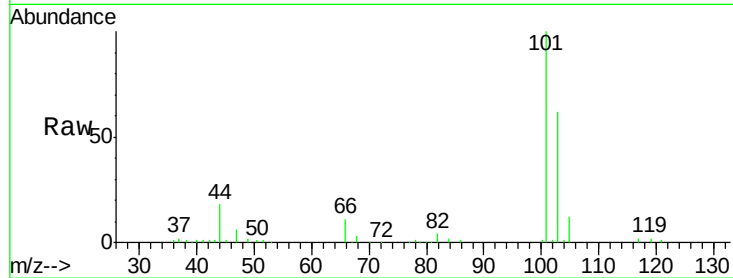
103 61.8 52.8 79.2

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:07 PM



#8

Diethyl Ether

Concen: 4.73 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003463.D

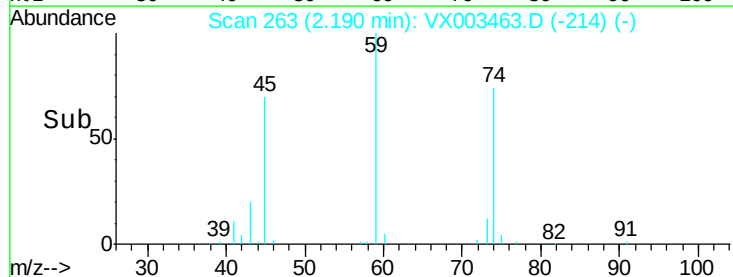
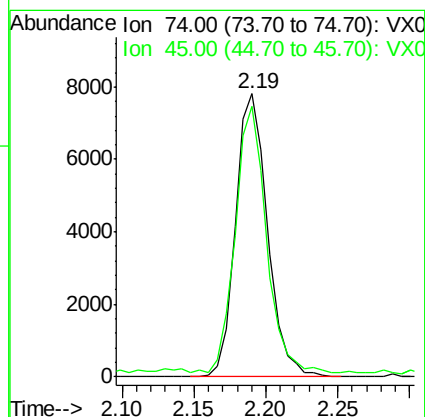
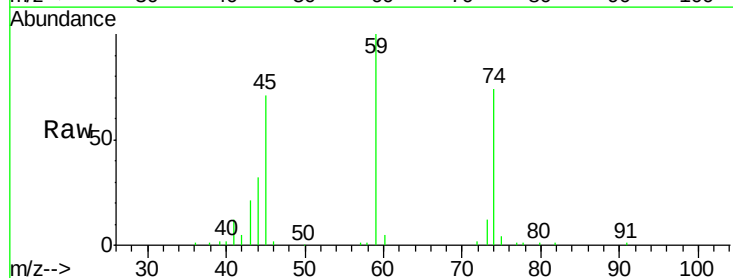
Acq: 19 Jul 2018 13:29

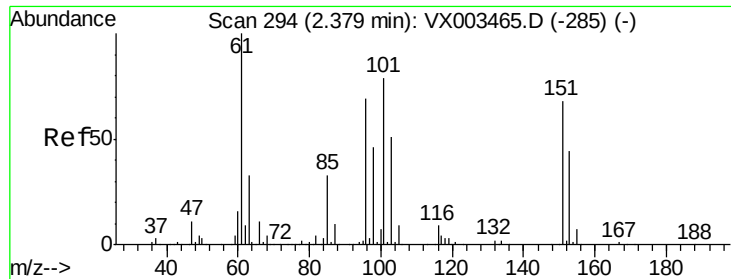
Tgt Ion: 74 Resp: 12093

Ion Ratio Lower Upper

74 100

45 90.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.91 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

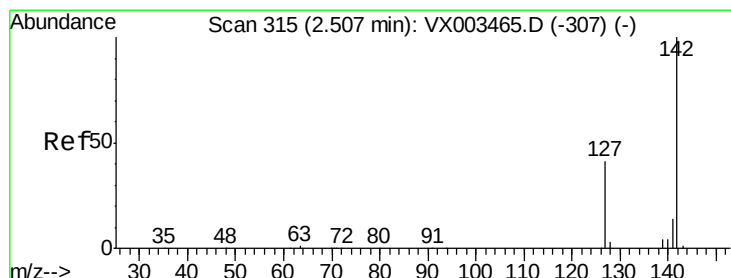
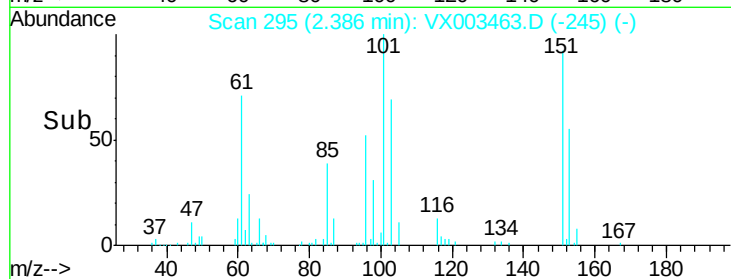
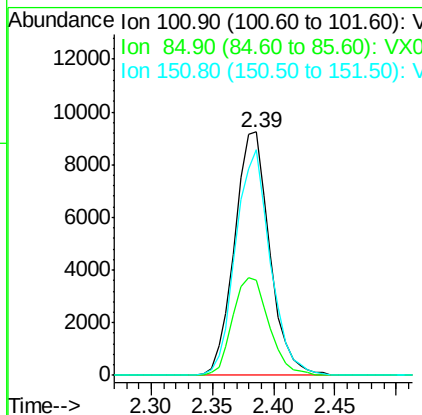
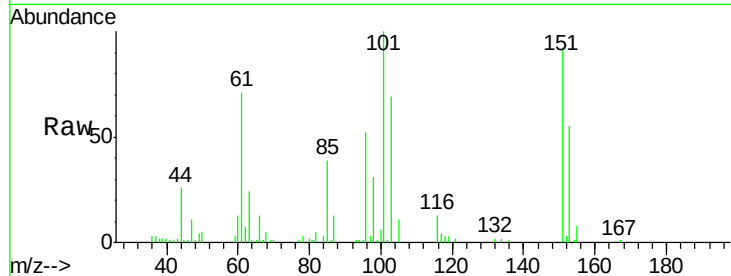
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	18442
Ion Ratio	Lower	Upper	
101	100		
85	41.1	36.0	54.0
151	91.2	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#10

Methyl Iodide

Concen: 4.35 ug/l

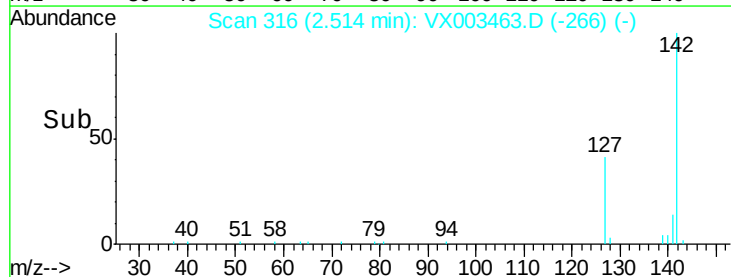
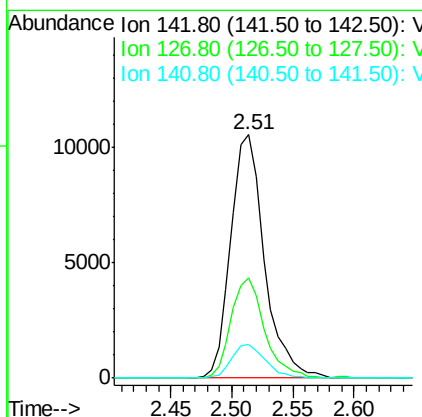
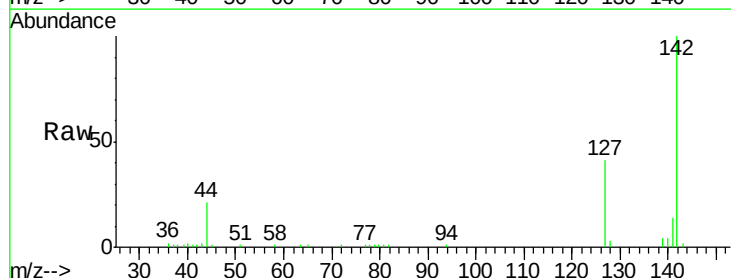
RT: 2.51 min Scan# 316

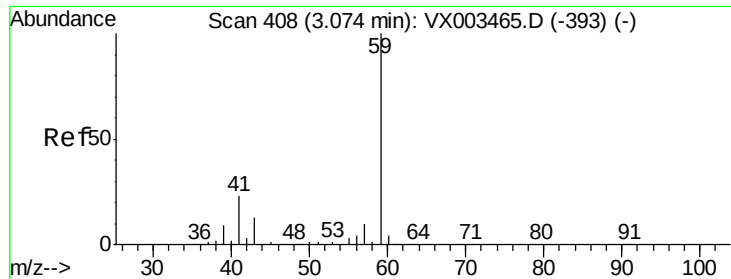
Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	142	Resp:	20133
Ion Ratio	Lower	Upper	
142	100		
127	40.8	36.6	55.0
141	14.1	11.3	16.9





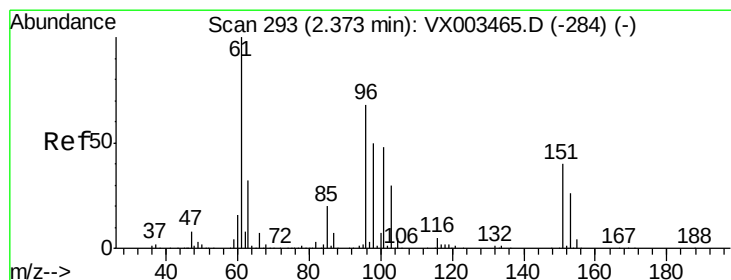
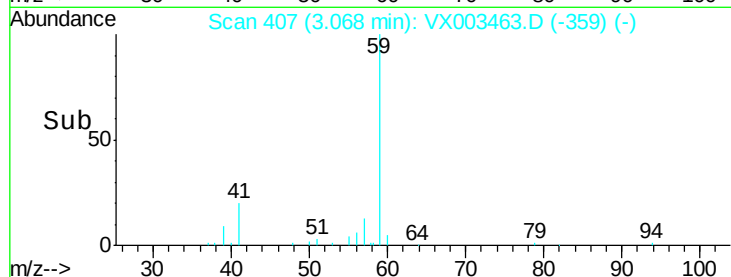
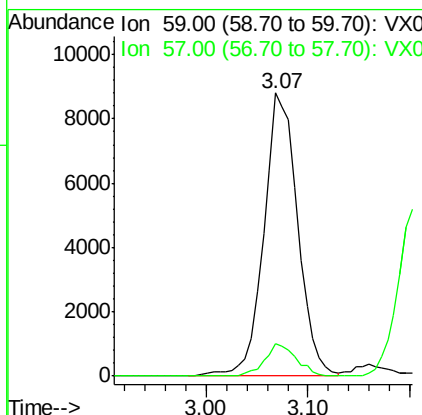
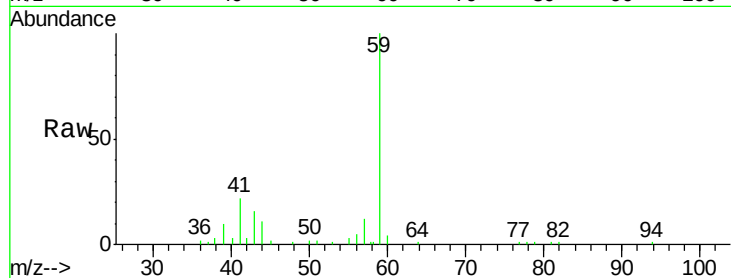
#11
Tert butyl alcohol
Concen: 20.42 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

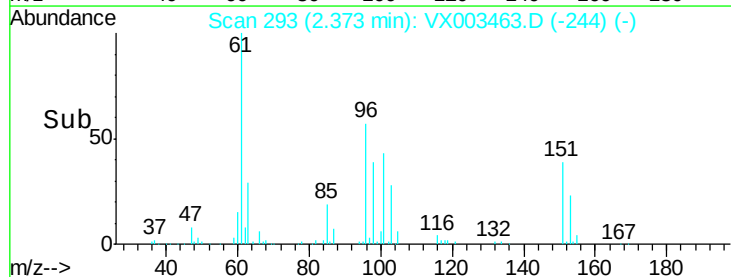
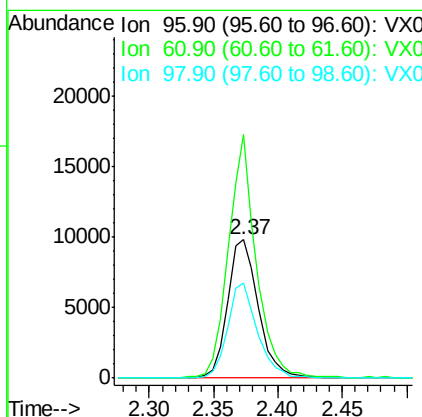
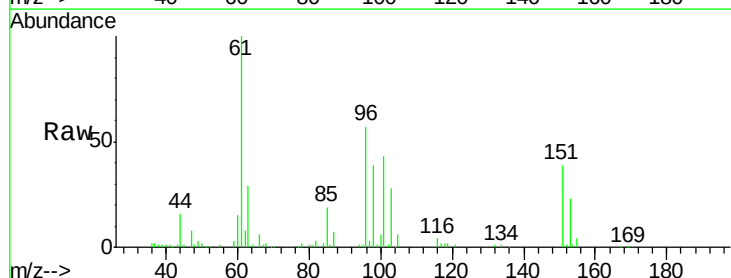
Manual Integrations
APPROVED

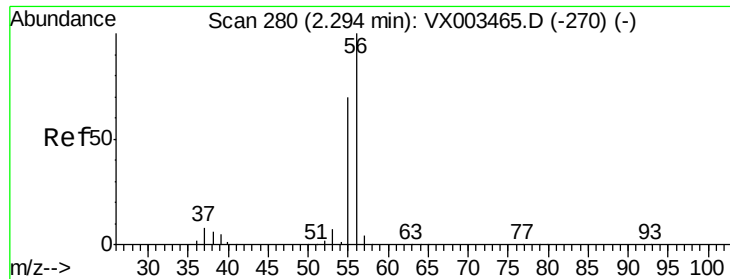
MMDadoda
7/20/2018 5:22:07 PM



#12
1,1-Dichloroethene
Concen: 4.65 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	137.9	206.9
98	68.7	51.6	77.4





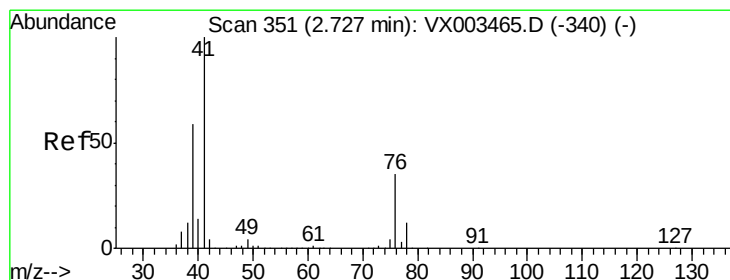
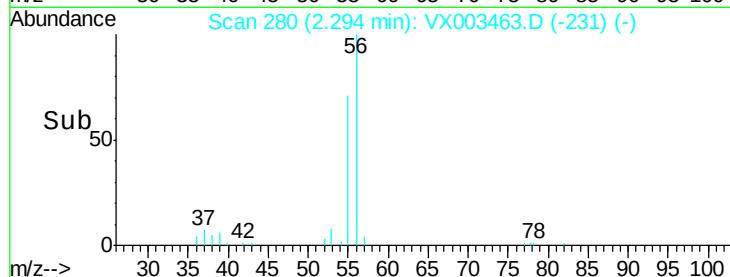
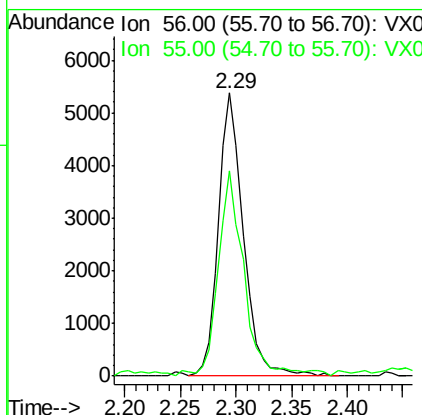
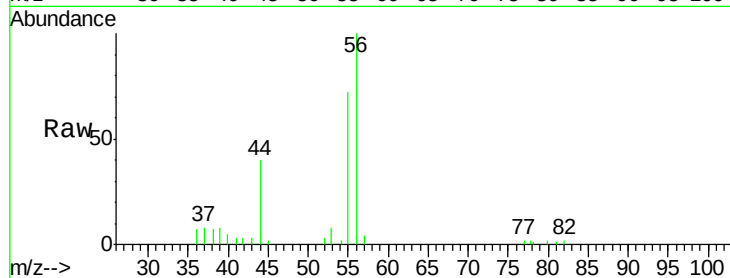
#13
 Acrolein
 Concen: 16.66 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	56	Resp	8379
Ion Ratio	100	Lower	Upper
55	73.9	57.0	85.4

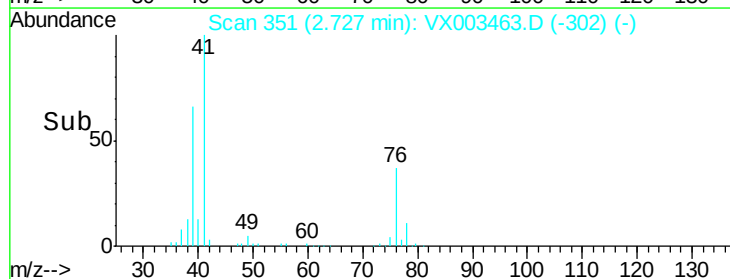
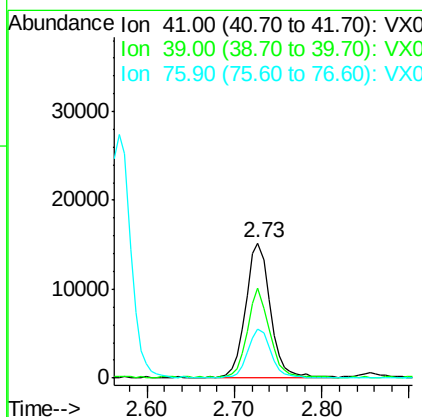
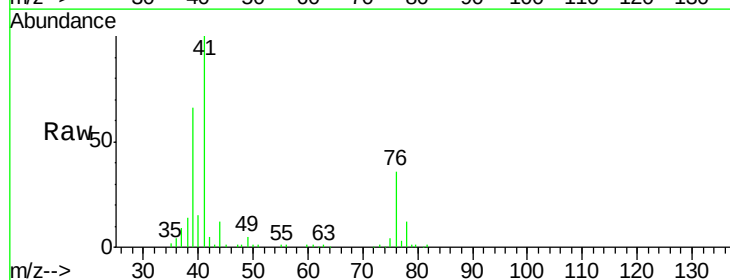
Manual Integrations
 APPROVED

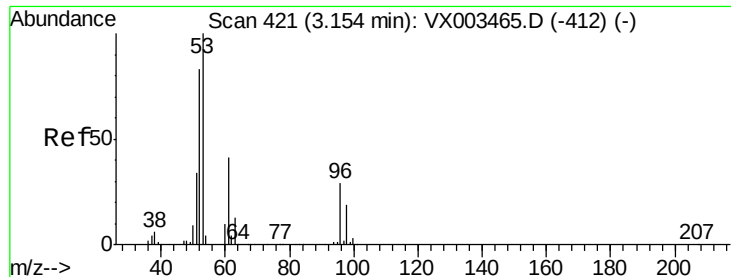
MMDadoda
 7/20/2018 5:22:07 PM



#14
 Allyl chloride
 Concen: 4.20 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion	41	Resp	29435
Ion Ratio	100	Lower	Upper
39	59.1	56.8	85.2
76	34.7	23.8	35.8





#15

Acrylonitrile

Concen: 22.51 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

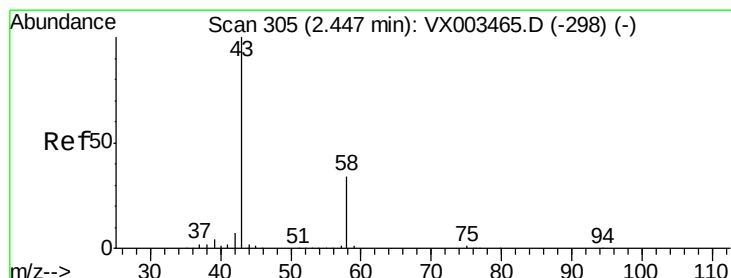
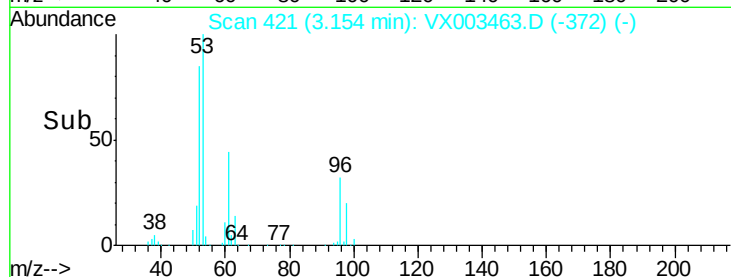
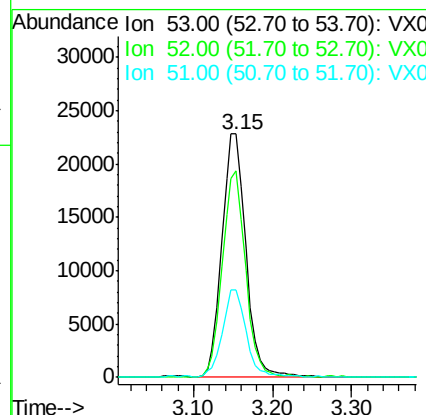
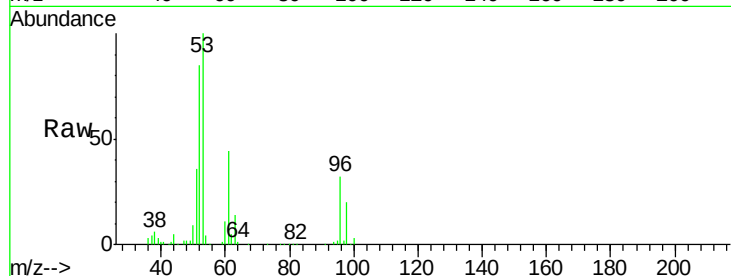
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	48699
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.7	100.1
51	35.2	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#16

Acetone

Concen: 17.03 ug/l

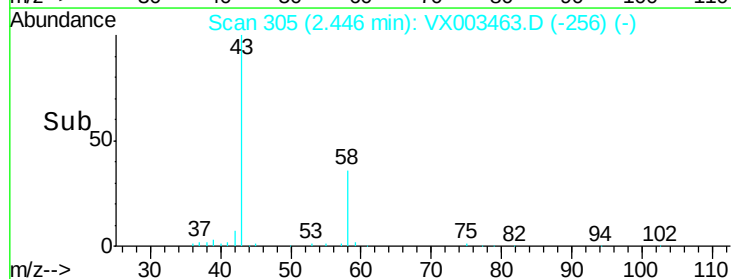
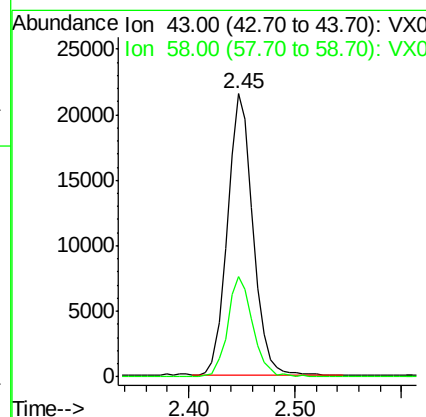
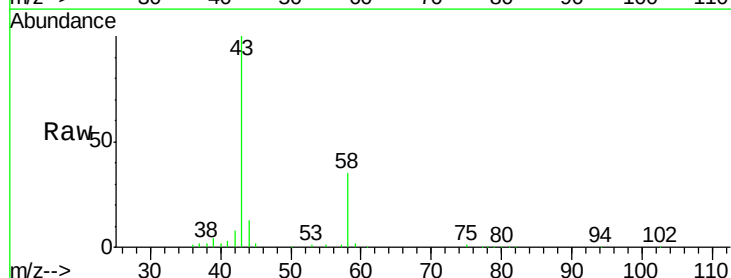
RT: 2.45 min Scan# 305

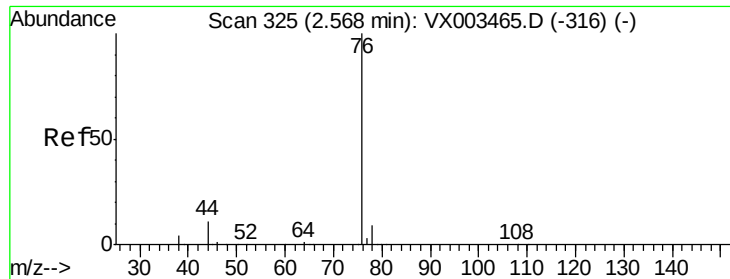
Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	43	Resp:	36034
Ion	Ratio	Lower	Upper
43	100		
58	35.7	22.1	33.1#





#17

Carbon Disulfide

Concen: 5.68 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 47532

Ion Ratio Lower Upper

76 100

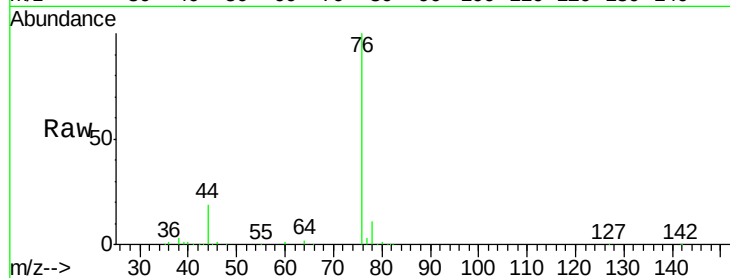
78 10.6 6.9 10.3#

Manual Integrations

APPROVED

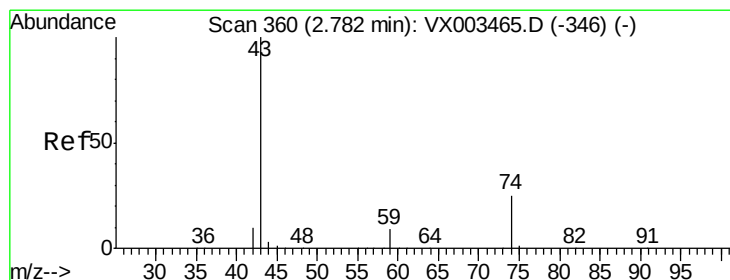
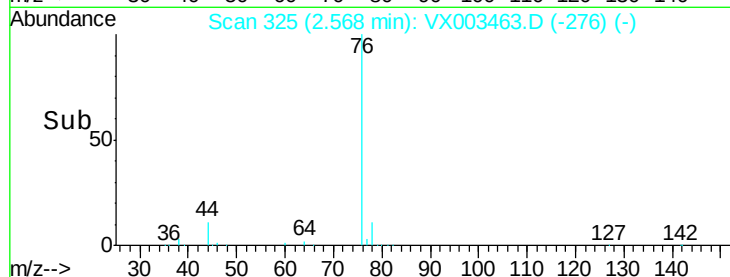
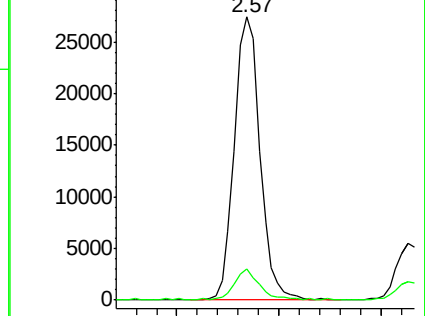
MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.89 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003463.D

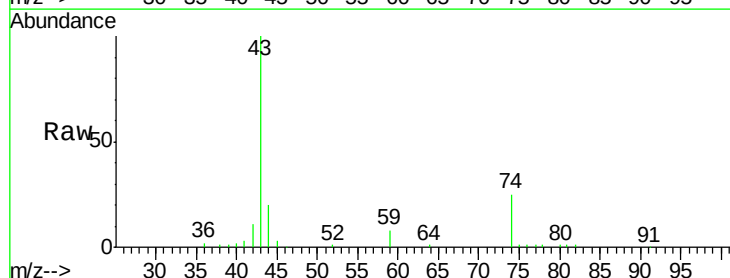
Acq: 19 Jul 2018 13:29

Tgt Ion: 43 Resp: 21921

Ion Ratio Lower Upper

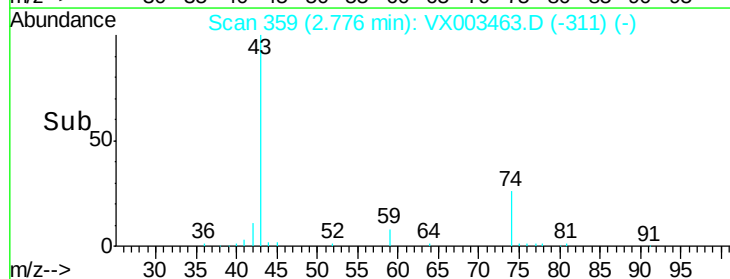
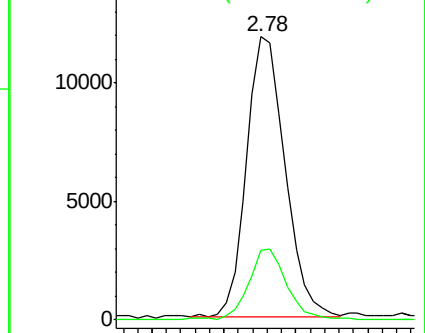
43 100

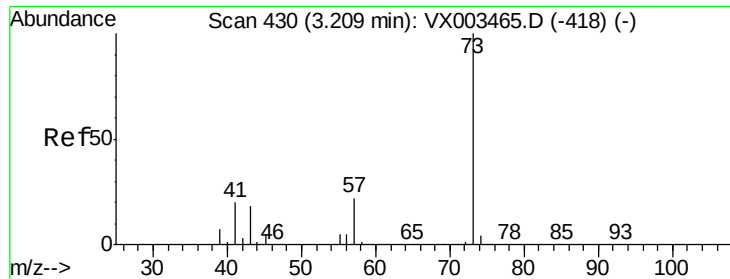
74 25.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

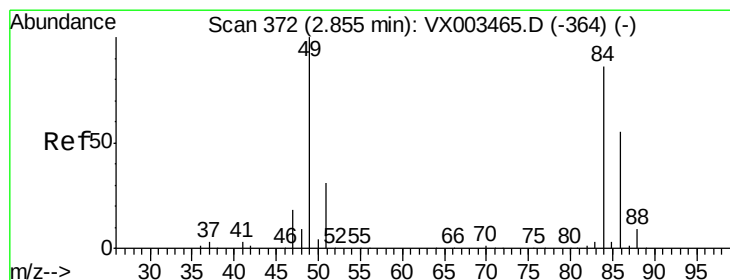
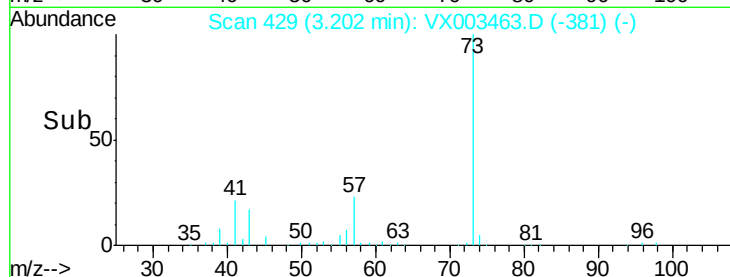
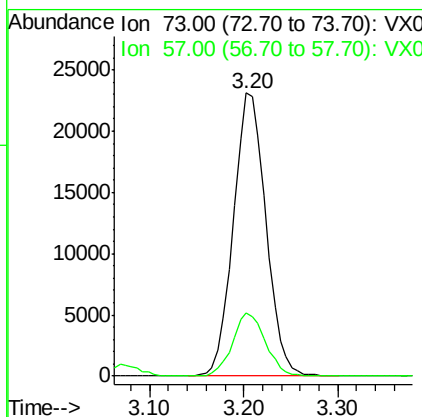
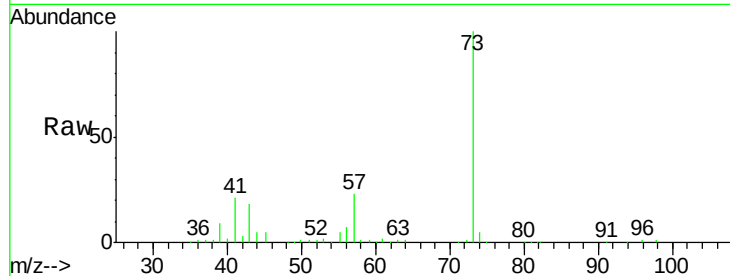
Methyl tert-butyl Ether
 Concen: 4.19 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 73 Resp: 55413
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.7 26.5

Manual Integrations
 APPROVED

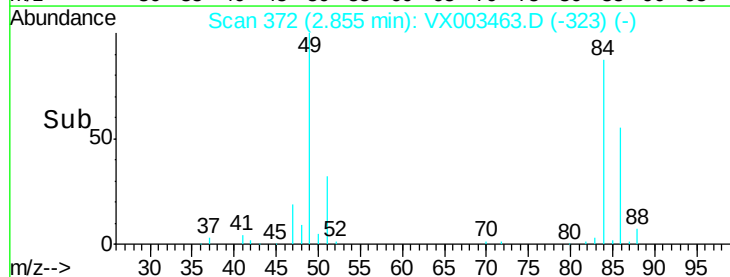
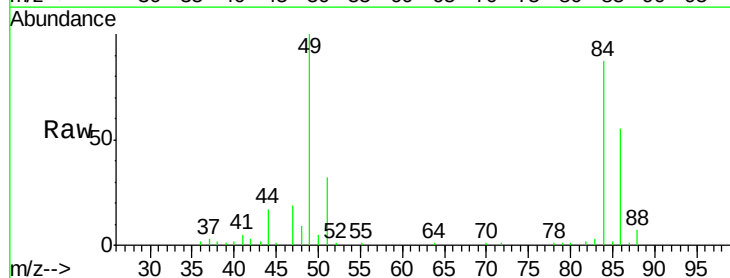
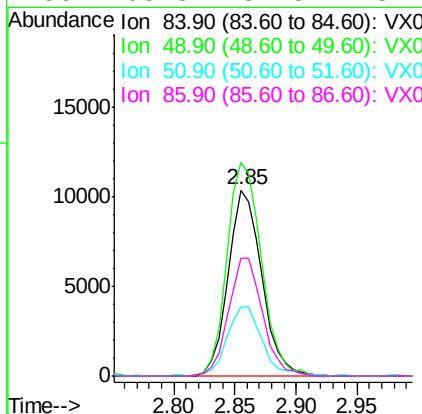
MMDadoda
 7/20/2018 5:22:07 PM

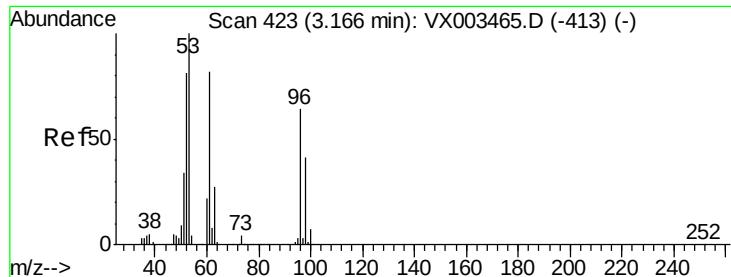


#20

Methylene Chloride
 Concen: 4.55 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 84 Resp: 19744
 Ion Ratio Lower Upper
 84 100
 49 114.8 107.8 161.6
 51 37.1 32.8 49.2
 86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 4.83 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

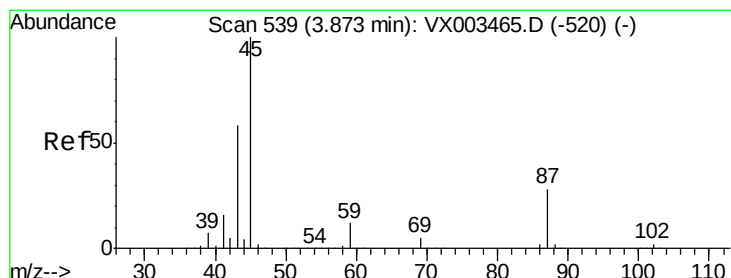
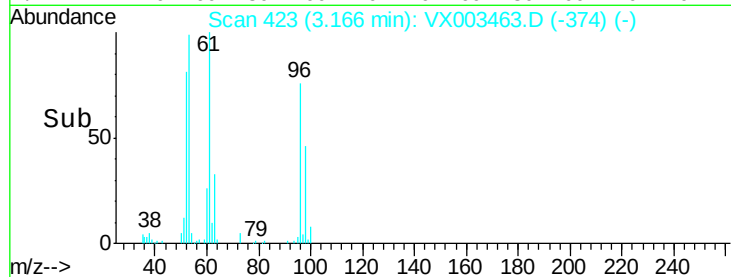
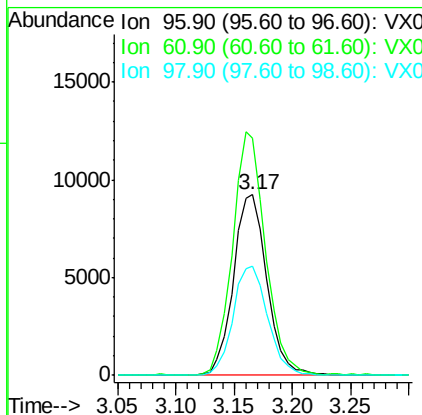
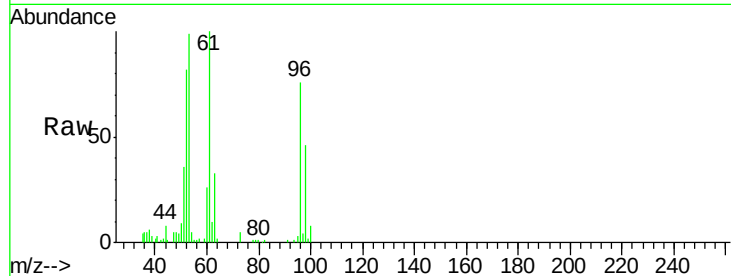
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18495
Ion	Ratio	Lower	Upper
96	100		
61	131.1	117.0	175.4
98	60.6	52.4	78.6

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#22

Diisopropyl ether

Concen: 4.48 ug/l

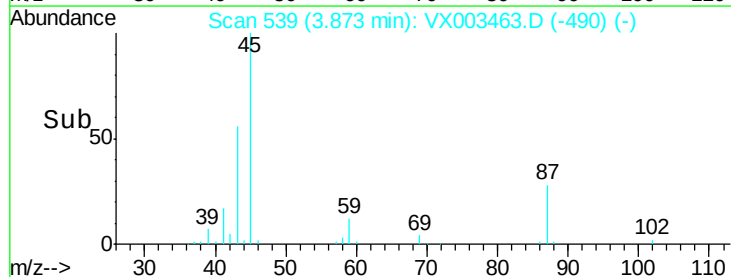
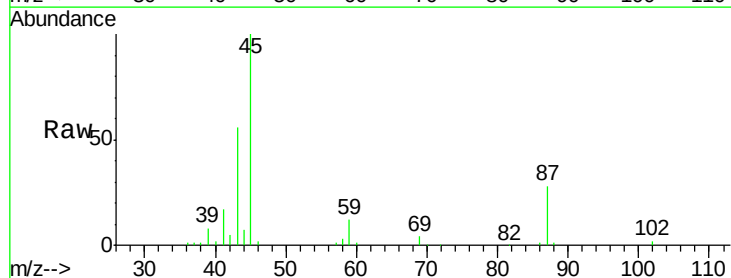
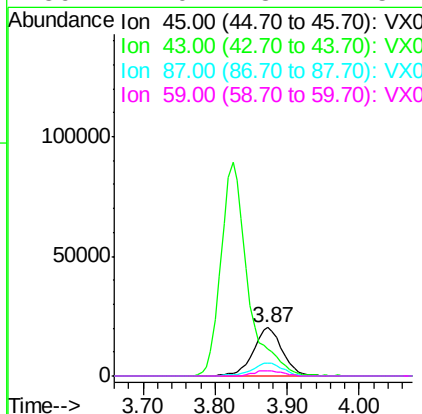
RT: 3.87 min Scan# 539

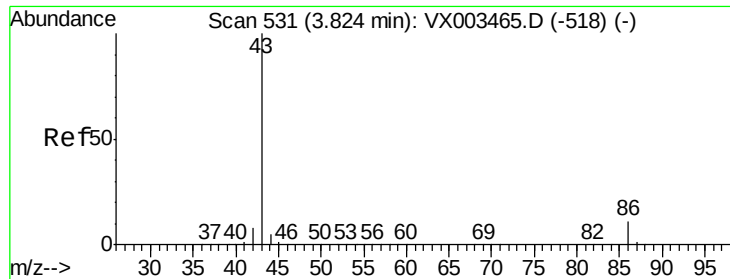
Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	45	Resp:	56798
Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.8	70.2
87	27.5	20.2	30.4
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 21.86 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 231854

Ion Ratio Lower Upper

43 100

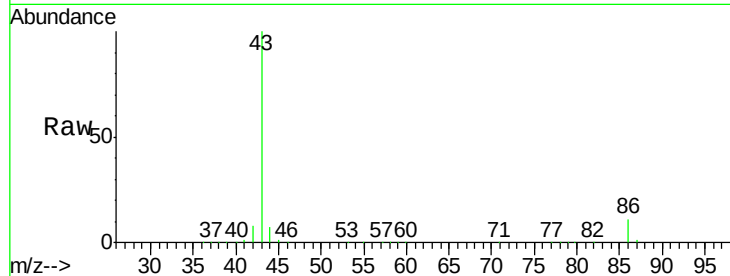
86 11.1 7.4 11.0#

Manual Integrations

APPROVED

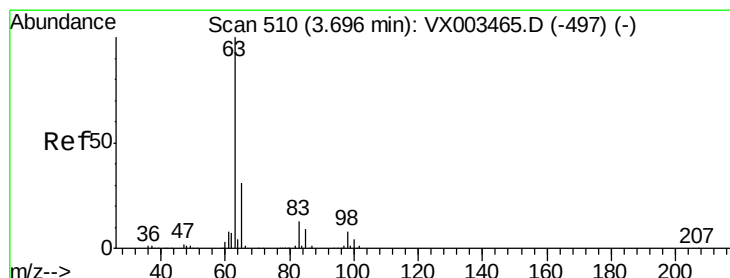
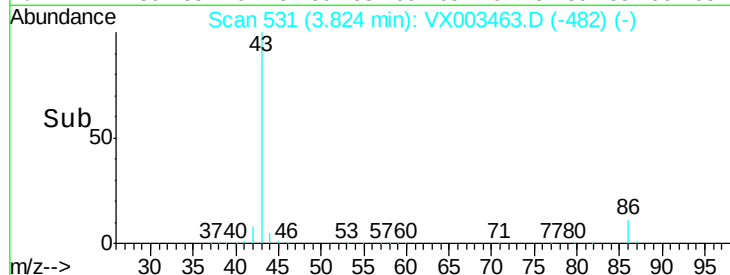
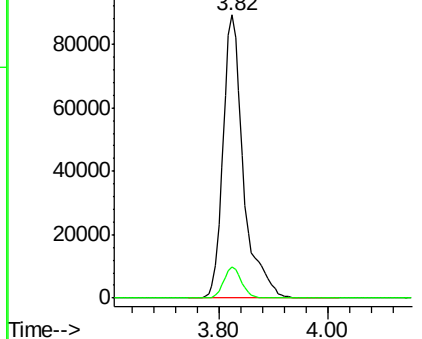
MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 4.83 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

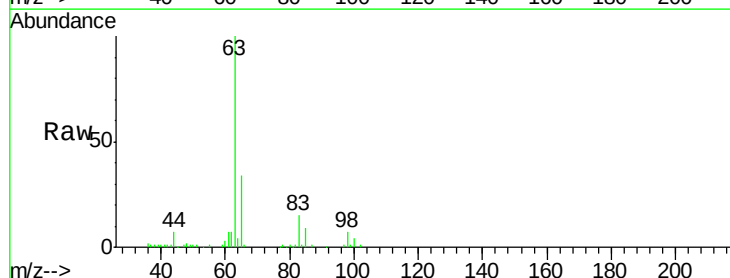
Tgt Ion: 63 Resp: 33240

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

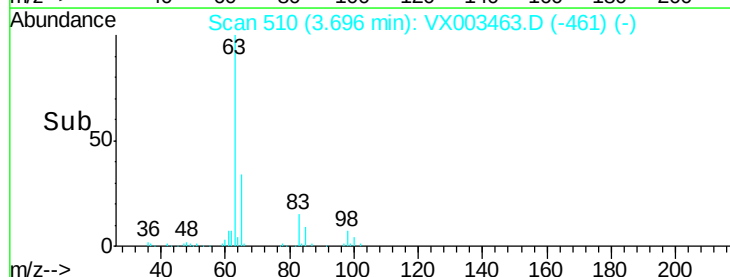
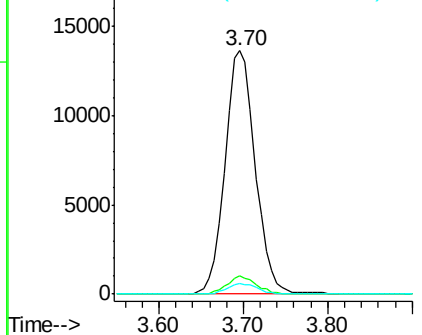
100 4.5 2.0 6.0

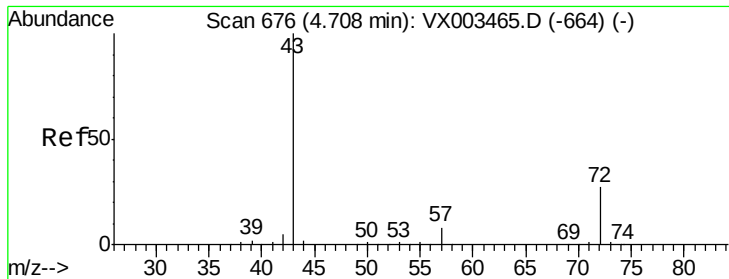


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 21.62 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 60091

Ion Ratio Lower Upper

43 100

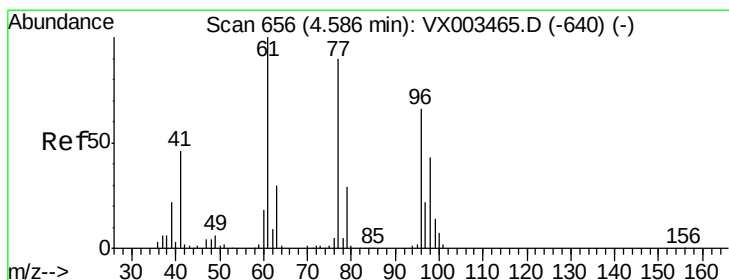
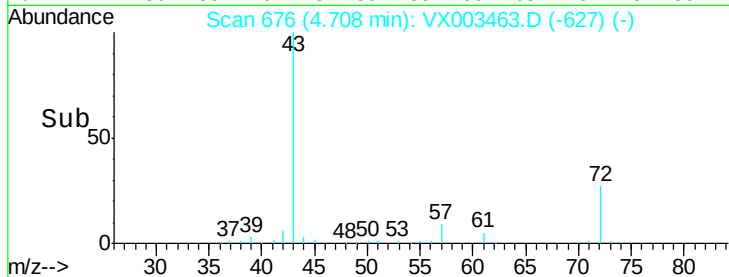
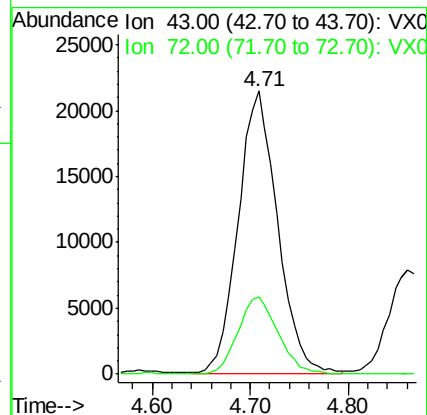
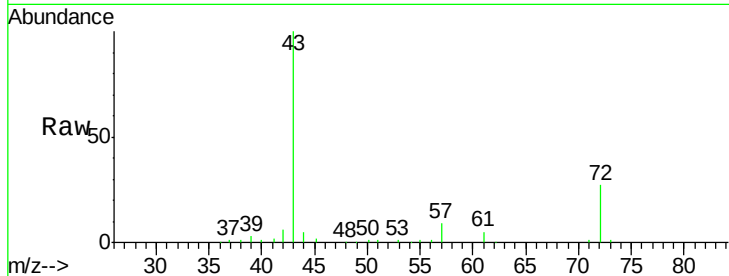
72 27.5 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:07 PM



#26

2,2-Dichloropropane

Concen: 4.89 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003463.D

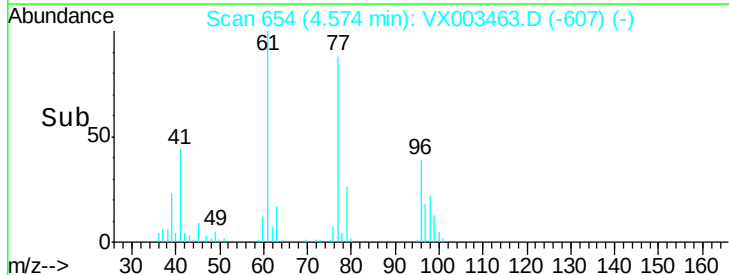
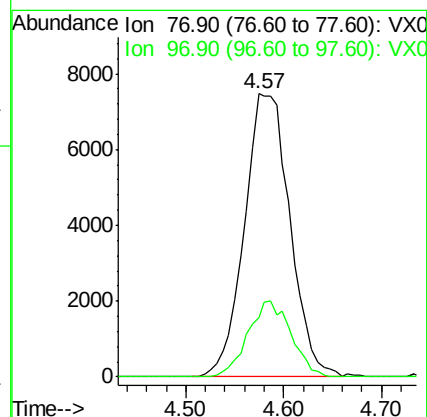
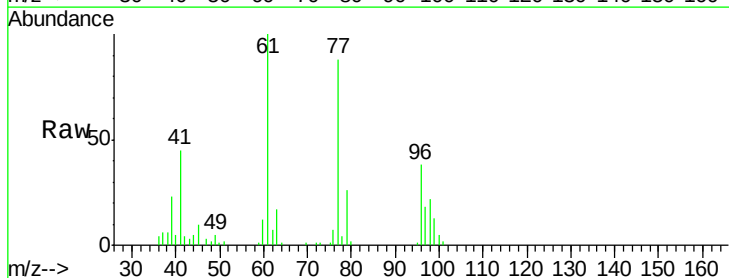
Acq: 19 Jul 2018 13:29

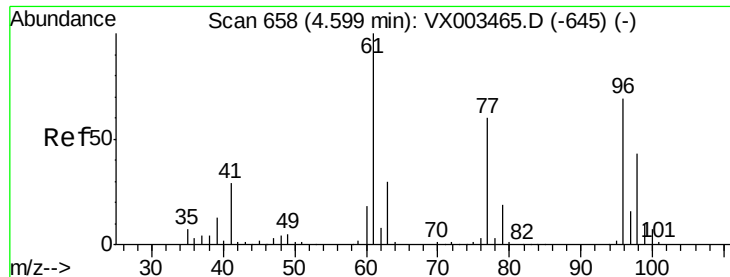
Tgt Ion: 77 Resp: 24145

Ion Ratio Lower Upper

77 100

97 25.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 5.21 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tot Ion:	96	Resp:	20276
Ion	Ratio	Lower	Upper
96	100		
61	382.3	0.0	330.2#
98	64.7	0.0	130.2

Instrument :

MSVOA_X

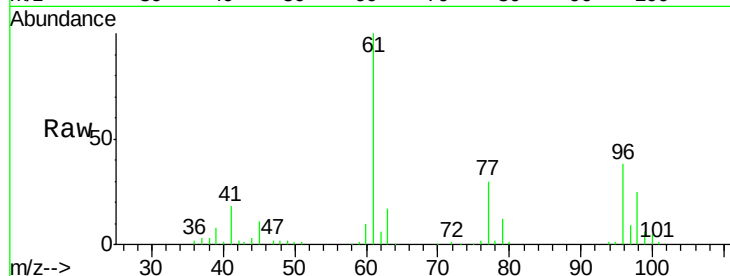
ClientSampleId :

VSTDIC005

Manual Integrations
APPROVED

MMDadoda

7/20/2018 5:22:07 PM

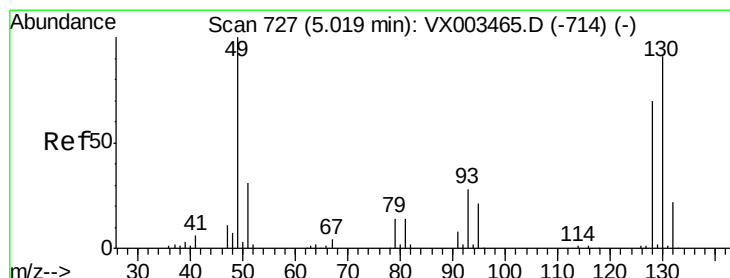
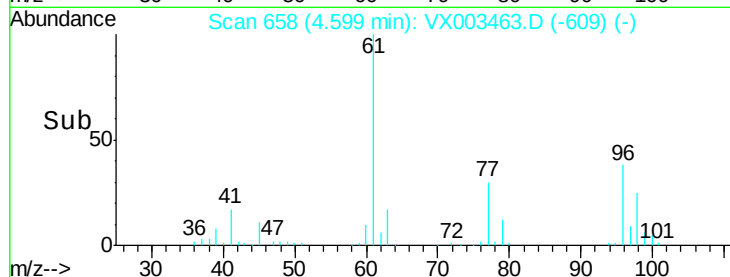
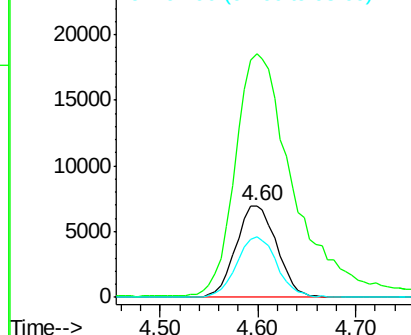


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 4.54 ug/l

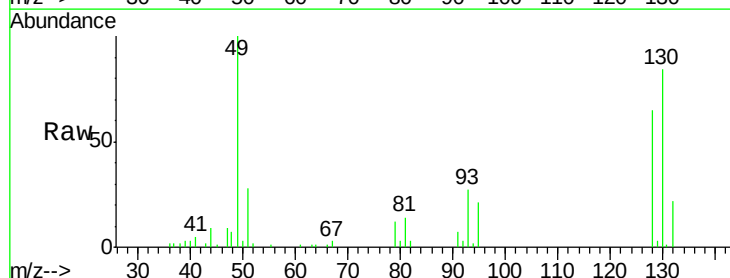
RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	49	Resp:	14615
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	89.8	61.2	91.8

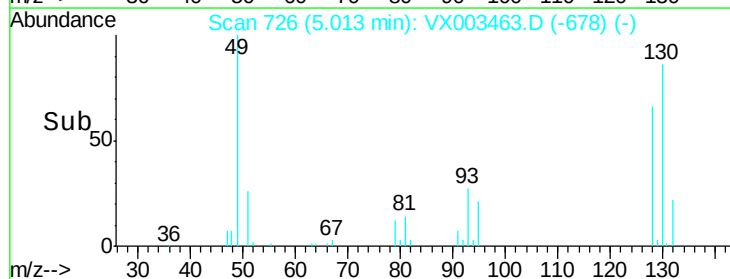
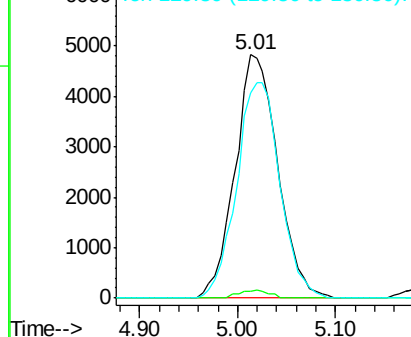


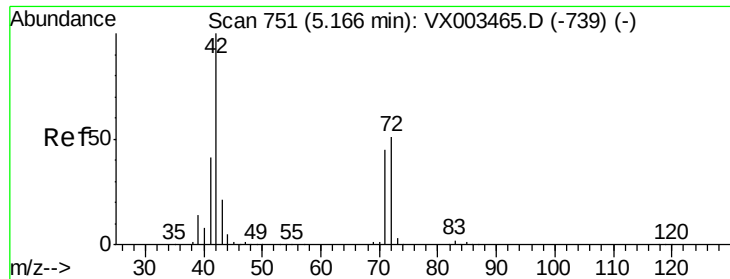
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





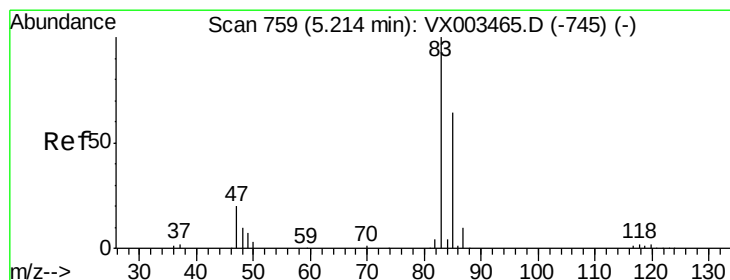
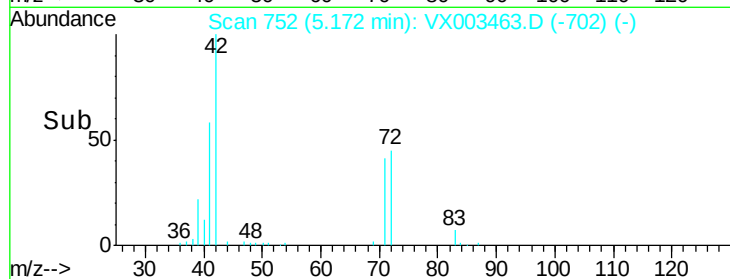
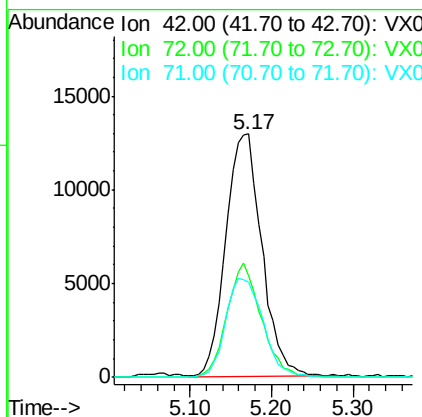
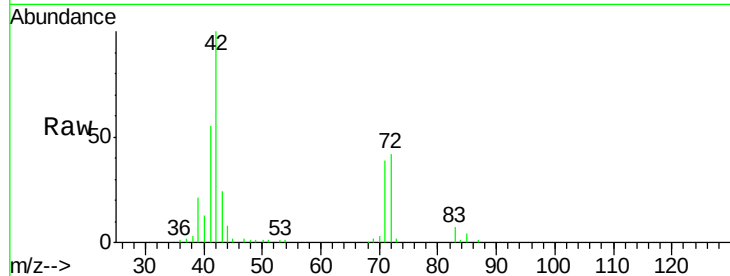
#29
Tetrahydrofuran
Concen: 21.76 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	32.0	48.0
71	42.1	30.1	45.1

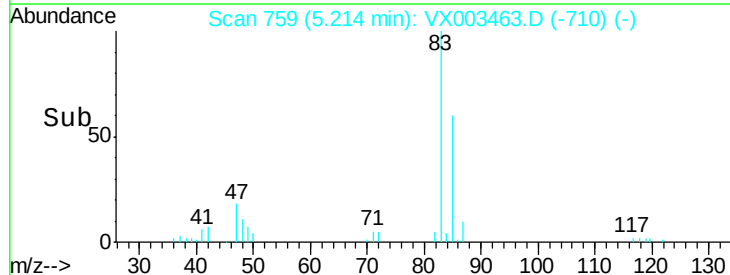
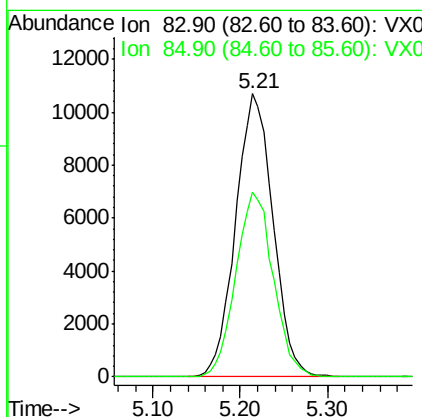
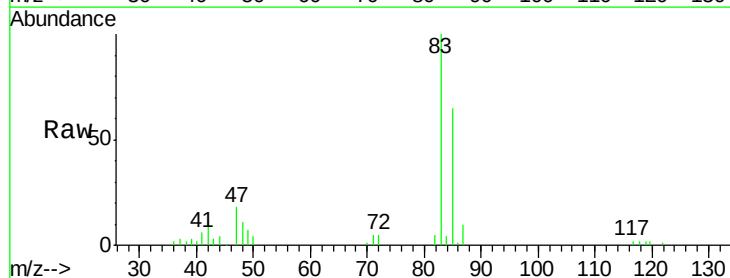
Manual Integrations
APPROVED

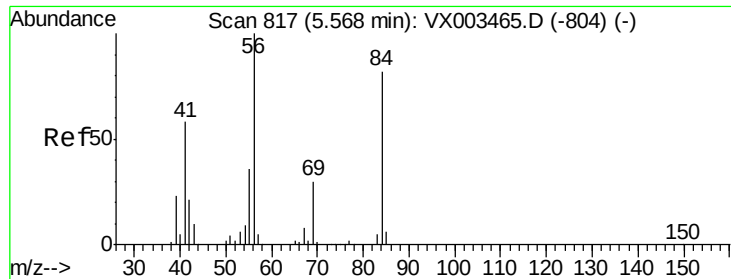
MMDadoda
7/20/2018 5:22:07 PM



#30
Chloroform
Concen: 4.79 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6





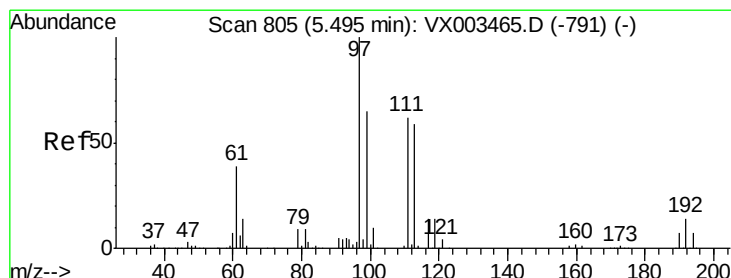
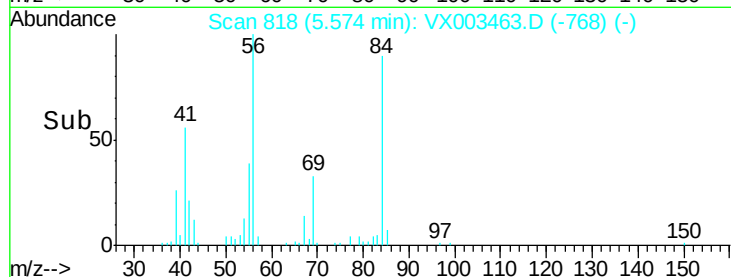
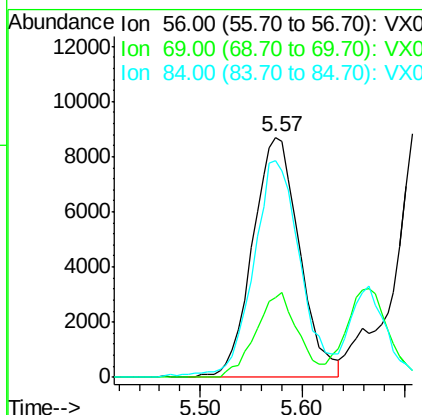
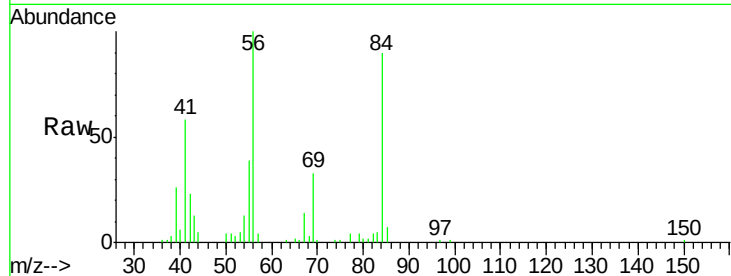
#31
Cyclohexane
Concen: 4.88 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.7	35.5
84	89.0	64.1	96.1

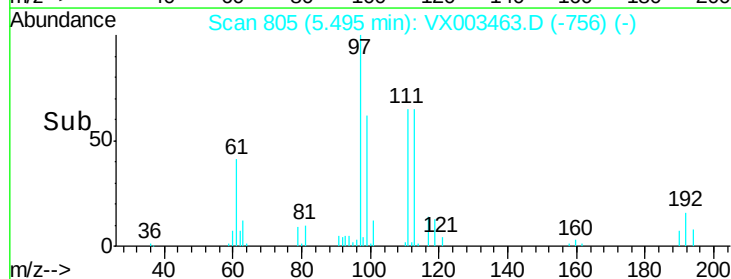
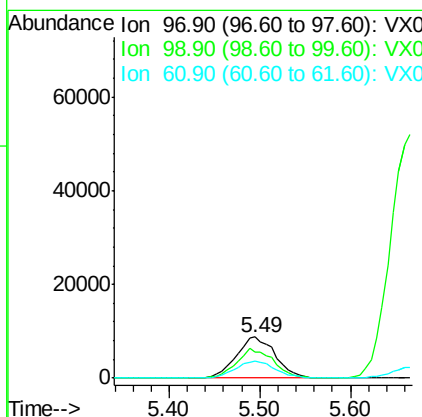
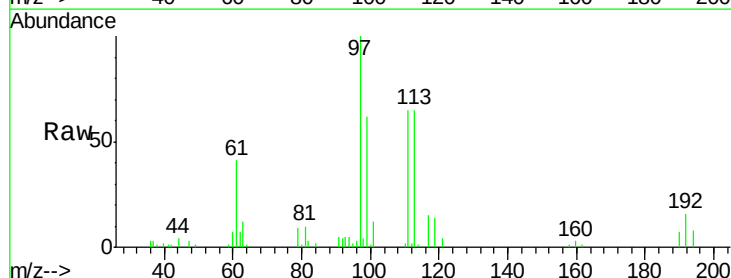
Manual Integrations
APPROVED

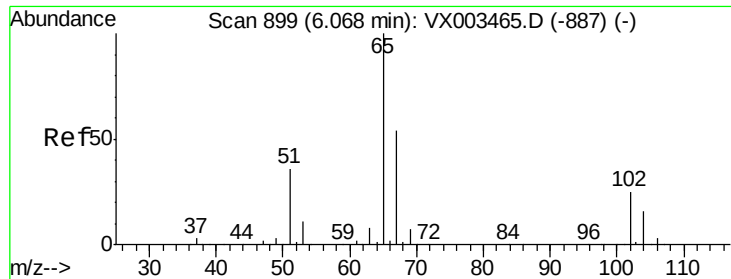
MMDadoda
7/20/2018 5:22:07 PM



#32
1,1,1-Trichloroethane
Concen: 4.74 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.6	77.4
61	41.6	36.4	54.6





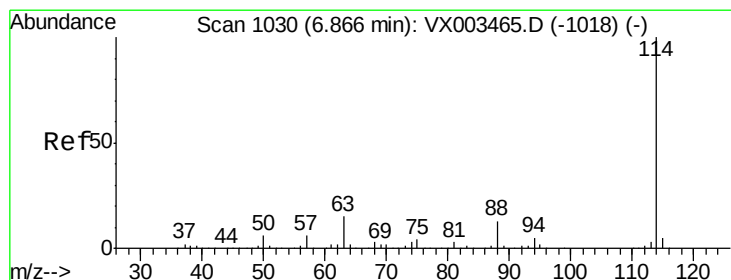
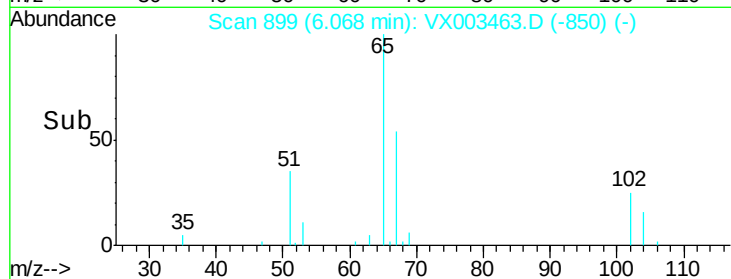
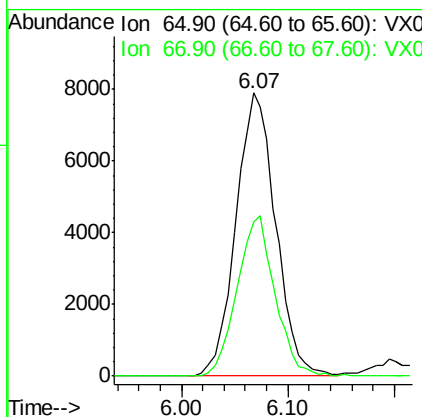
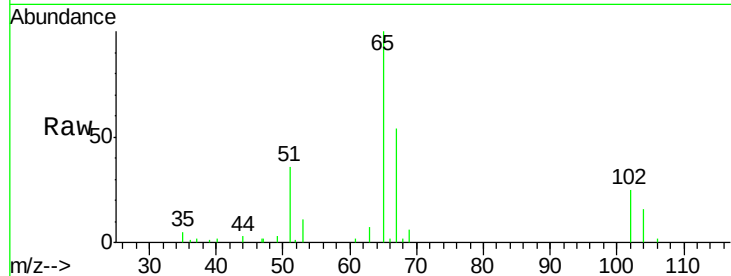
#33
 1,2-Dichloroethane-d4
 Concen: 4.31 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 20654
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 102.6

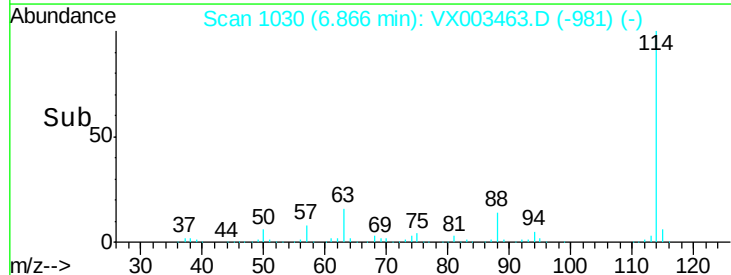
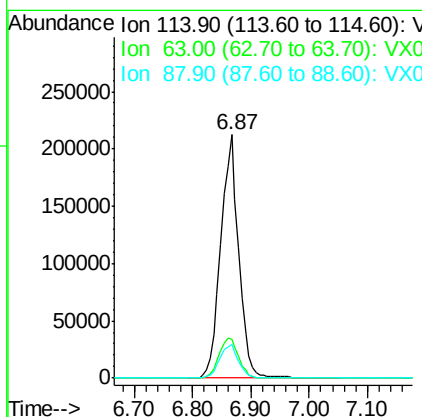
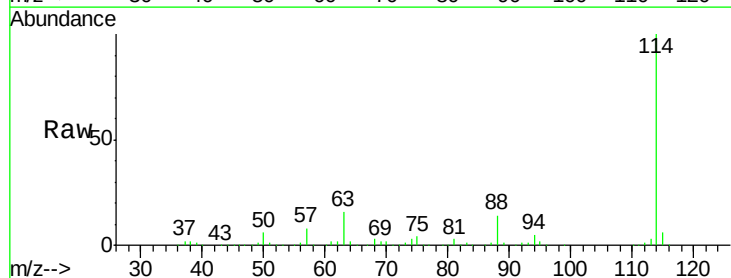
Manual Integrations
 APPROVED

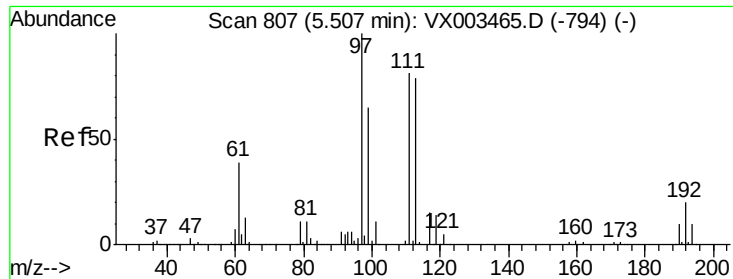
MMDadoda
 7/20/2018 5:22:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 114 Resp: 454243
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 41.4
 88 13.7 0.0 30.0





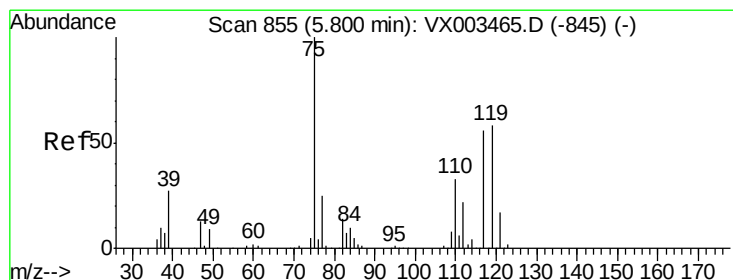
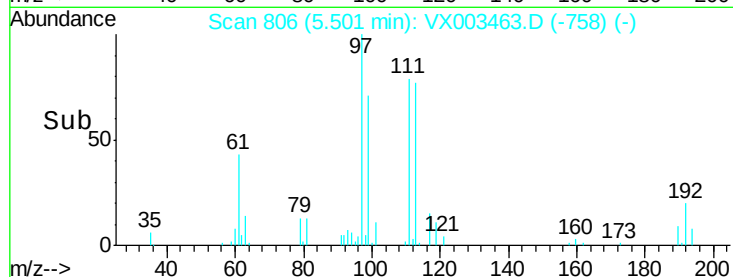
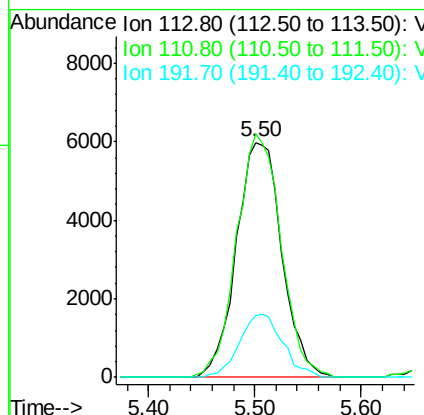
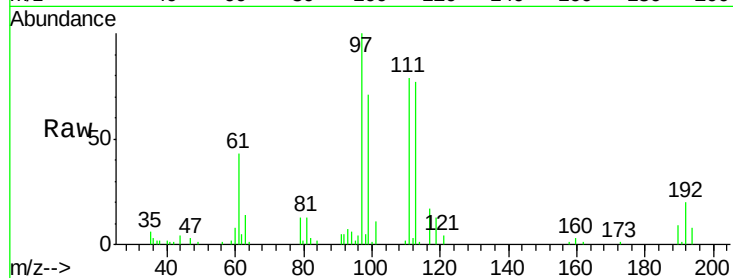
#35
Dibromofluoromethane
Concen: 4.94 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.0
192	25.5	19.1	28.7

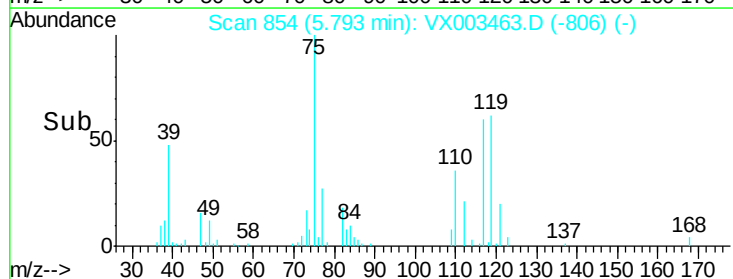
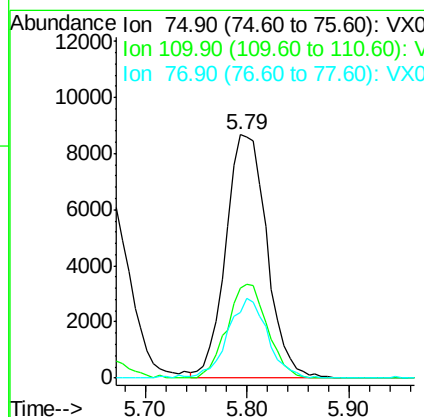
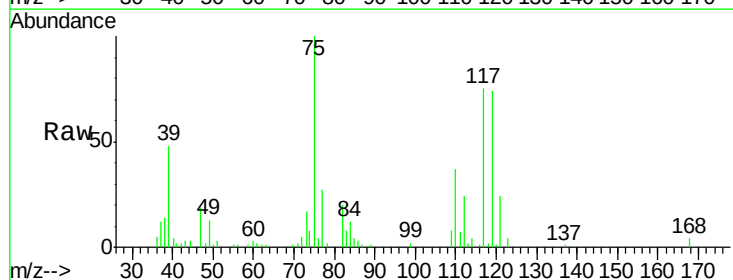
Manual Integrations
APPROVED

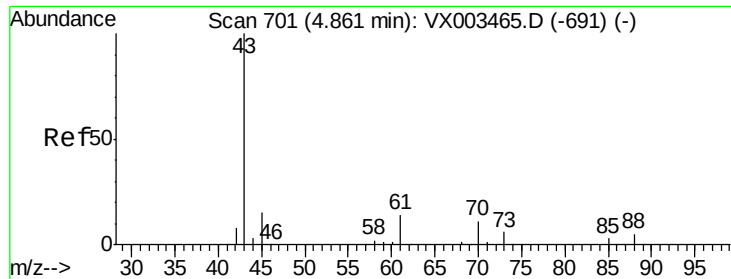
MMDadoda
7/20/2018 5:22:07 PM



#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.1	54.4
77	32.0	24.3	36.5





#37

Ethyl Acetate

Concen: 4.44 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

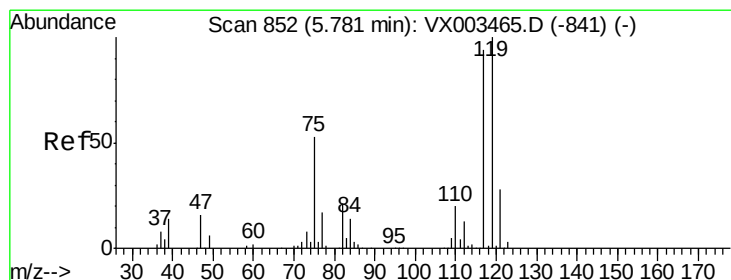
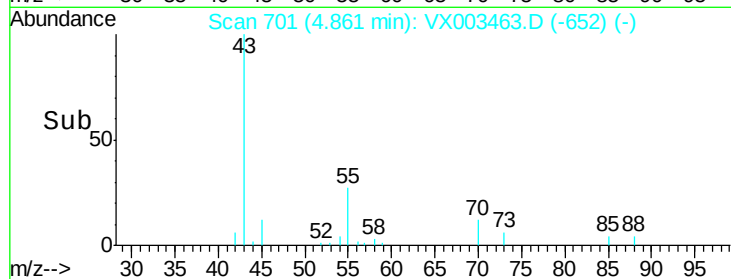
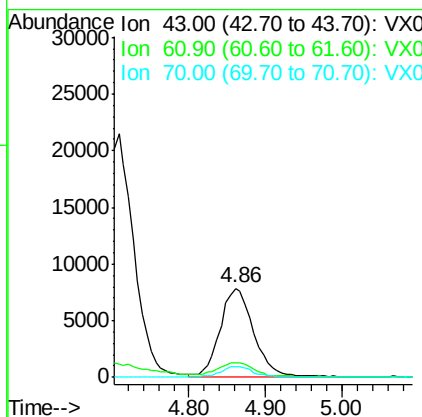
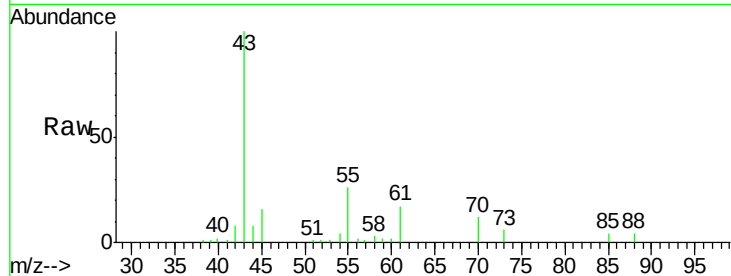
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	24268
Ion	Ratio	Lower	Upper
43	100		
61	18.9	10.4	15.6#
70	11.5	7.6	11.4#

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#38

Carbon Tetrachloride

Concen: 4.74 ug/l

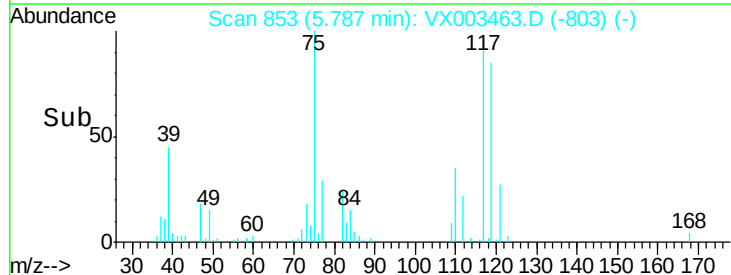
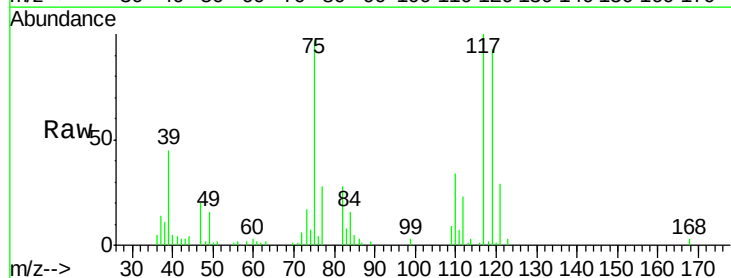
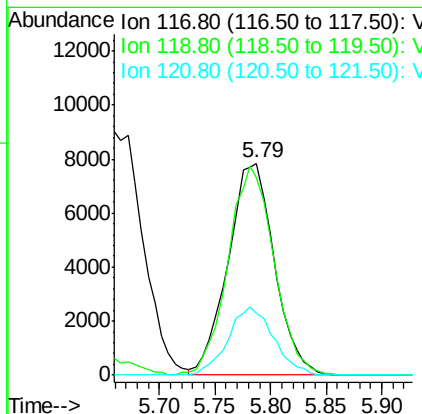
RT: 5.79 min Scan# 853

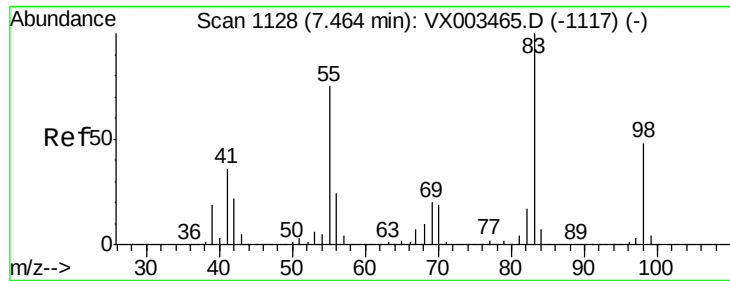
Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	117	Resp:	22755
Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.4	116.0
121	29.2	24.4	36.6





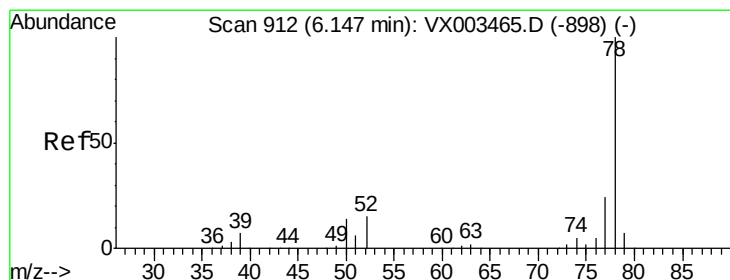
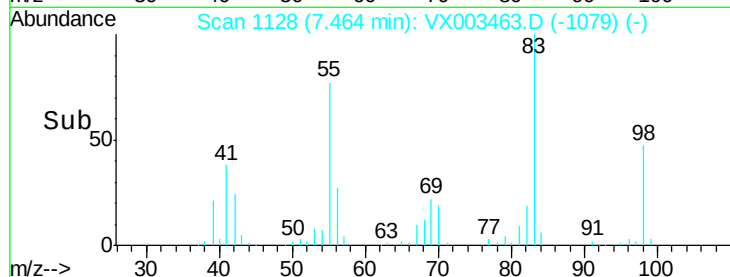
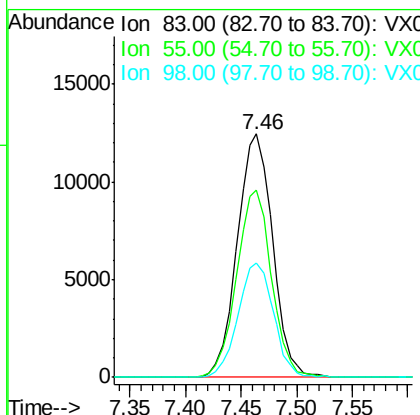
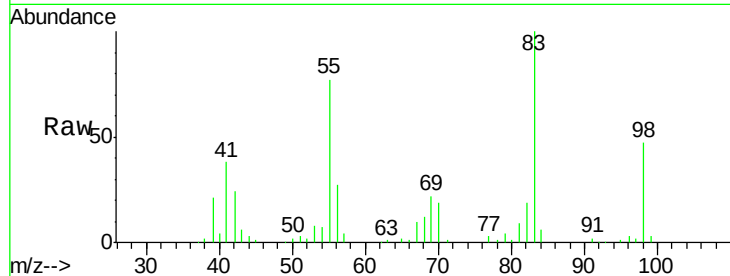
#39
Methylvlcyclohexane
Concen: 4.86 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	65.4	98.0
98	46.7	37.4	56.0

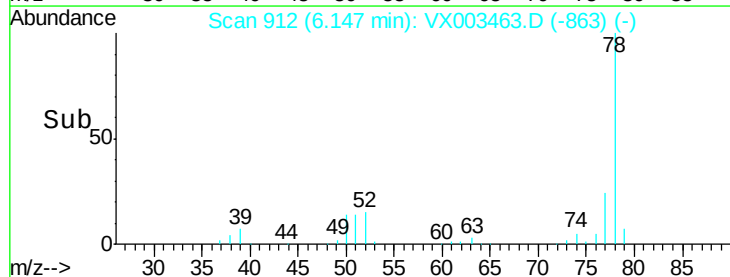
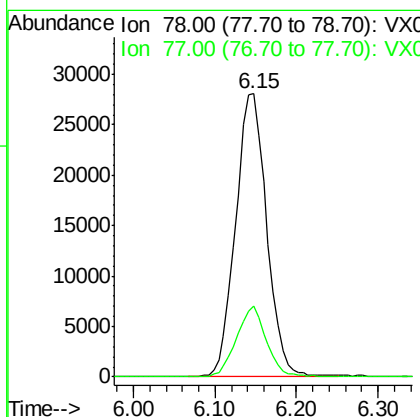
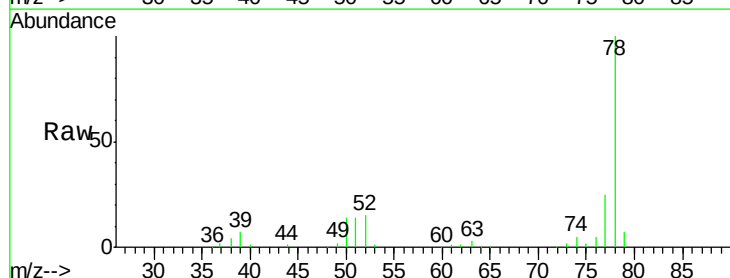
Manual Integrations
APPROVED

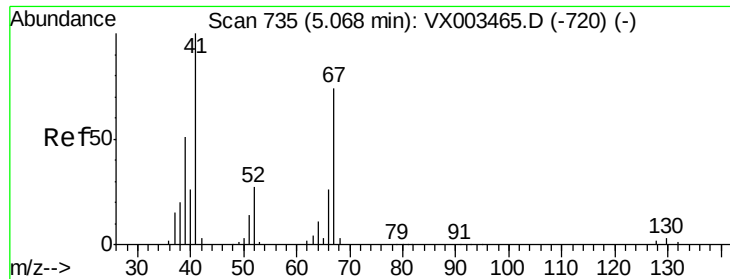
MMDadoda
7/20/2018 5:22:07 PM



#40
Benzene
Concen: 5.15 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7





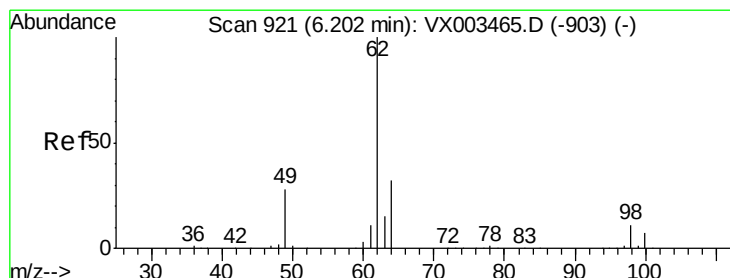
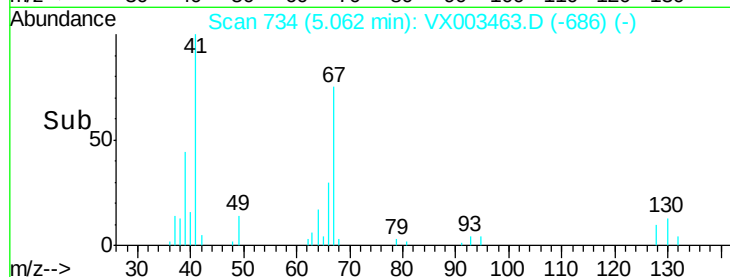
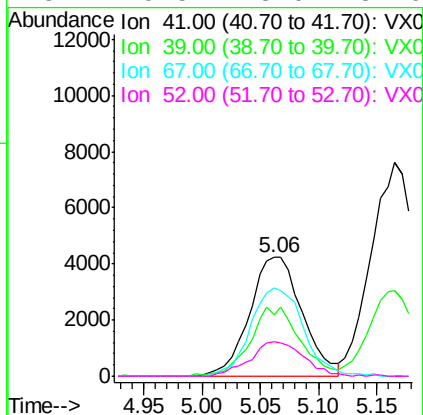
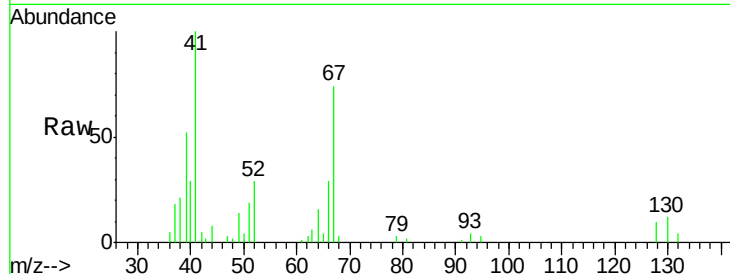
#41
Methacrylonitrile
Concen: 4.32 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.8	68.6	
67	74.8	51.3	76.9	
52	29.5	23.0	34.6	

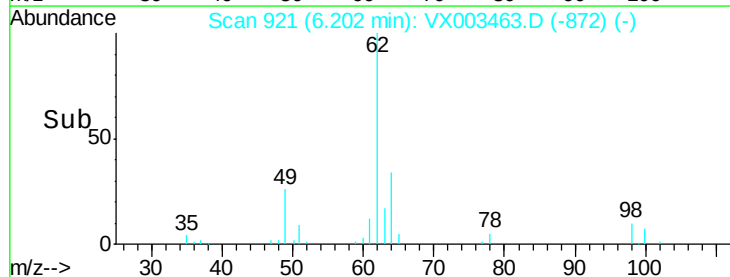
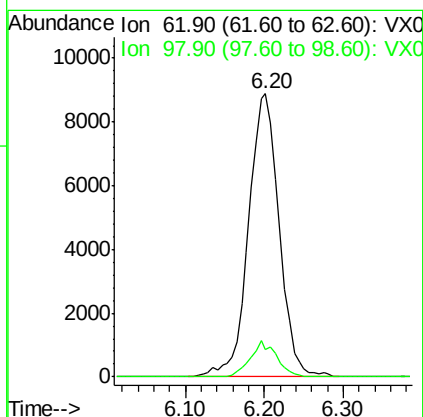
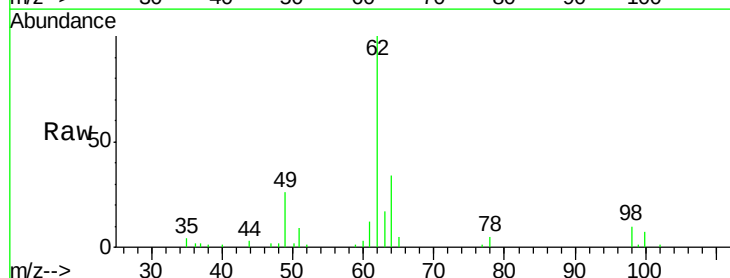
Manual Integrations
APPROVED

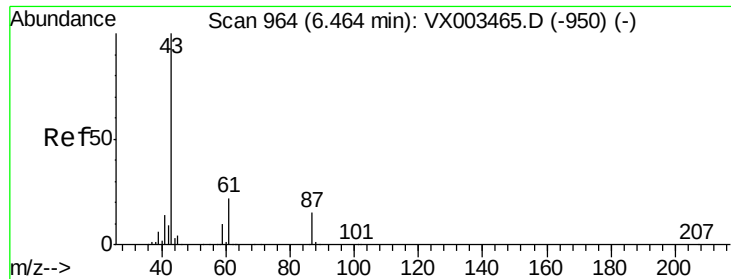
MMDadoda
7/20/2018 5:22:07 PM



#42
1,2-Dichloroethane
Concen: 4.28 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	16.6	





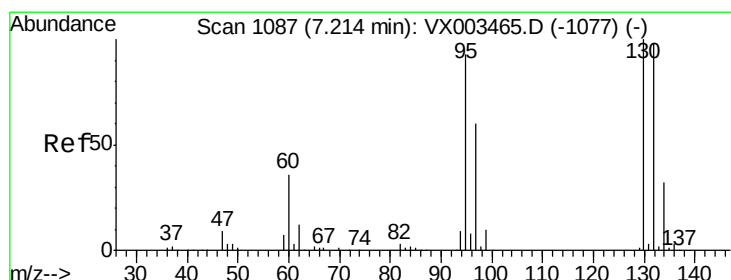
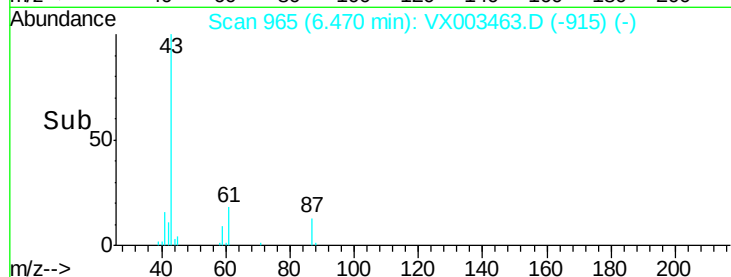
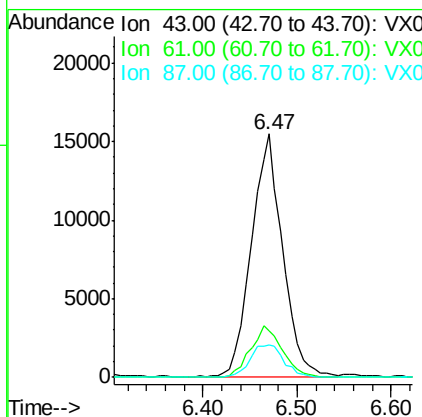
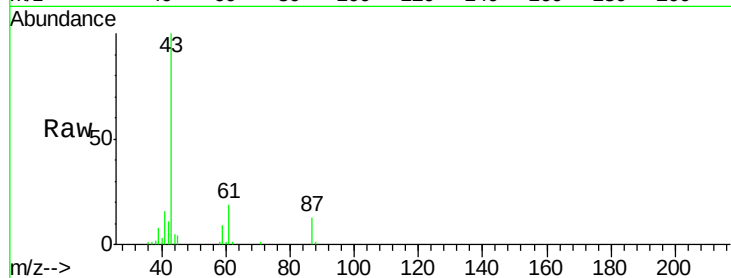
#43
Isopropyl Acetate
Concen: 4.01 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.01 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	14.4	21.6
87	14.6	9.5	14.3

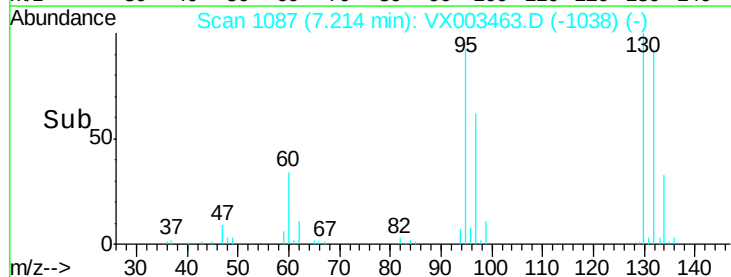
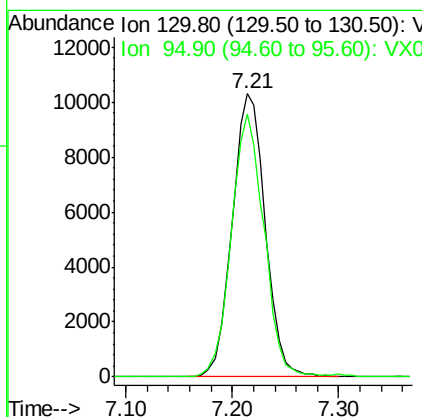
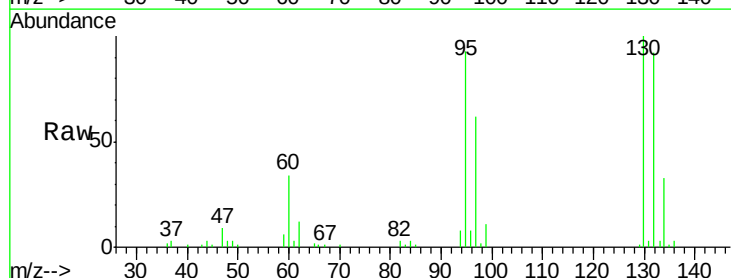
Manual Integrations
APPROVED

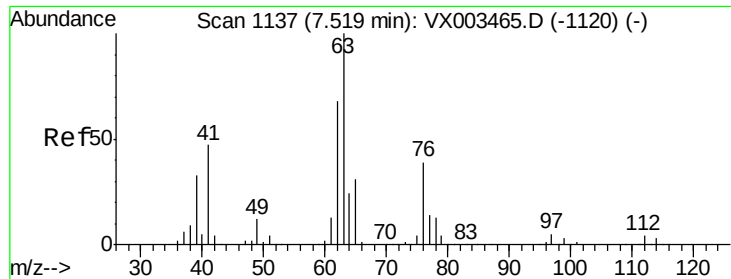
MMDadoda
7/20/2018 5:22:07 PM



#44
Trichloroethene
Concen: 5.36 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	185.4





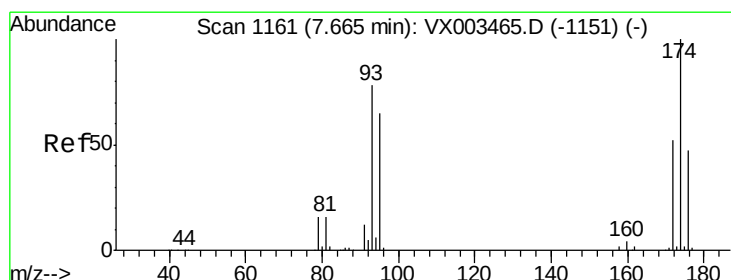
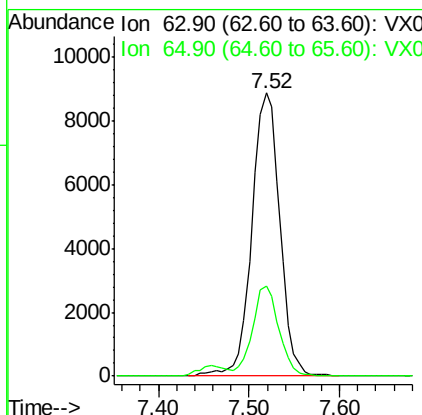
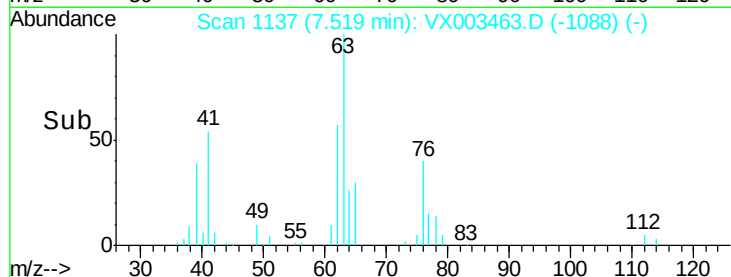
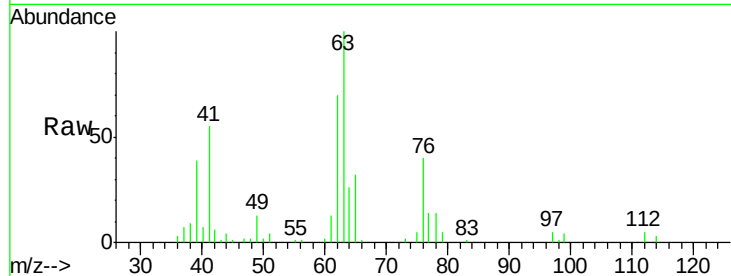
#45
 1,2-Dichloropropane
 Concen: 4.99 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18984
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.7 37.1

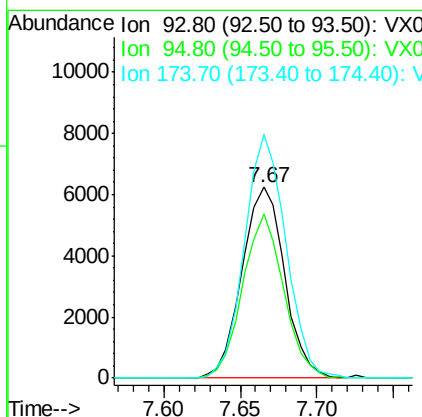
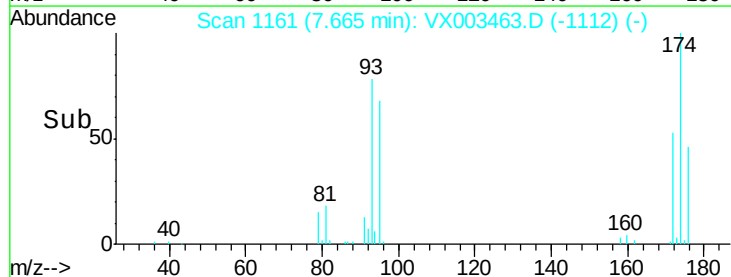
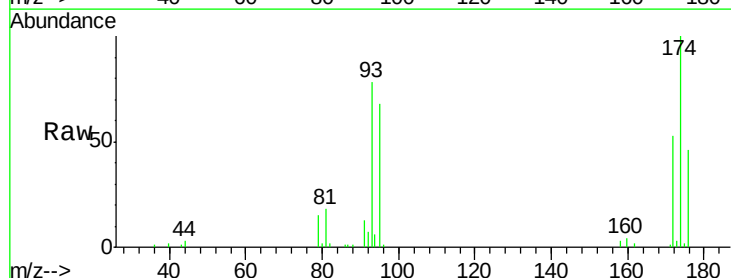
Manual Integrations
 APPROVED

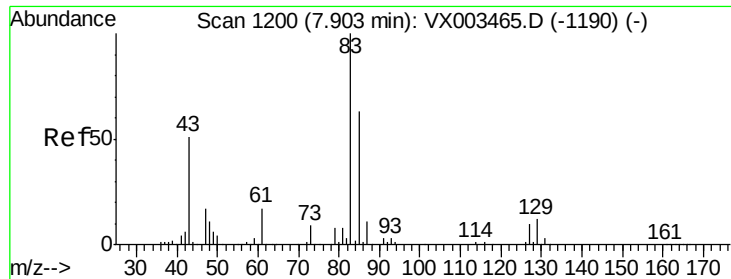
MMDadoda
 7/20/2018 5:22:07 PM



#46
 Dibromomethane
 Concen: 4.74 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 93 Resp: 12073
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.9 98.9
 174 124.5 92.4 138.6





#47

Bromodichloromethane

Concen: 4.68 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

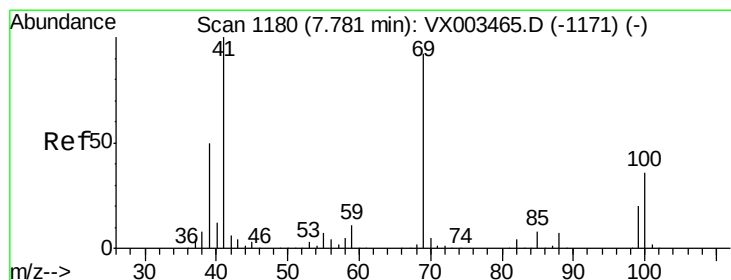
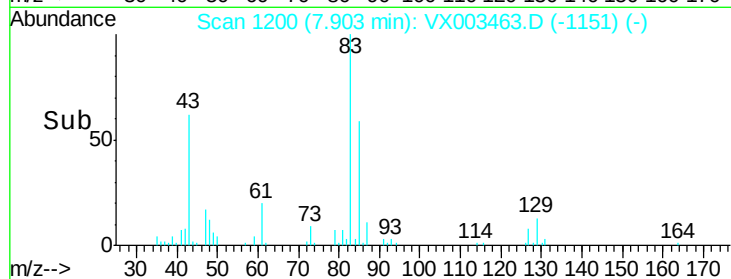
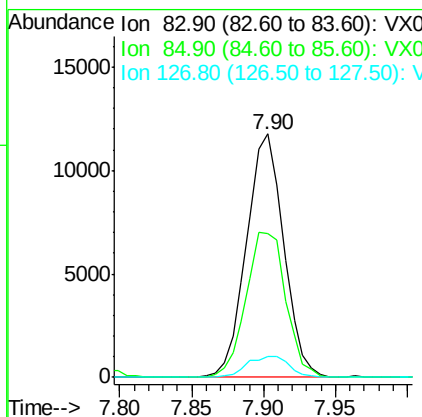
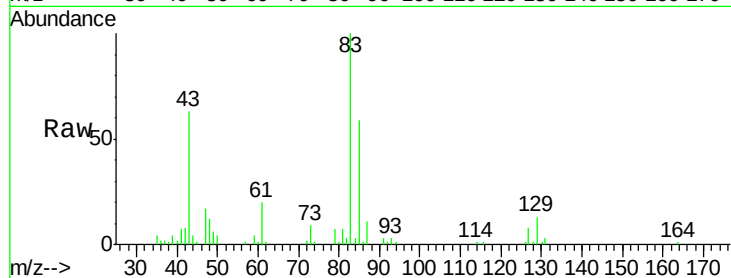
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21027
Ion	Ratio	Lower	Upper
83	100		
85	59.1	50.3	75.5
127	8.4	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#48

Methyl methacrylate

Concen: 3.82 ug/l

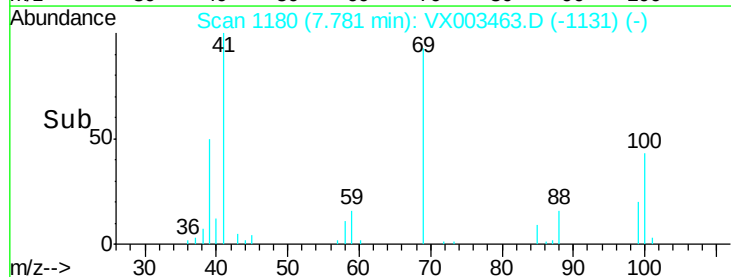
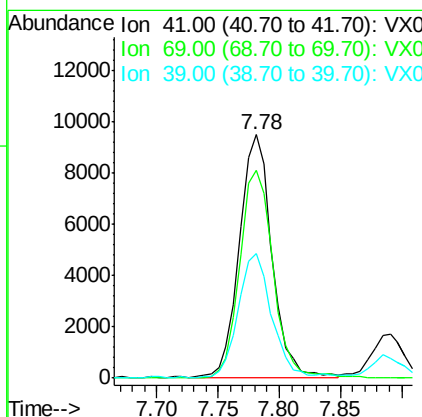
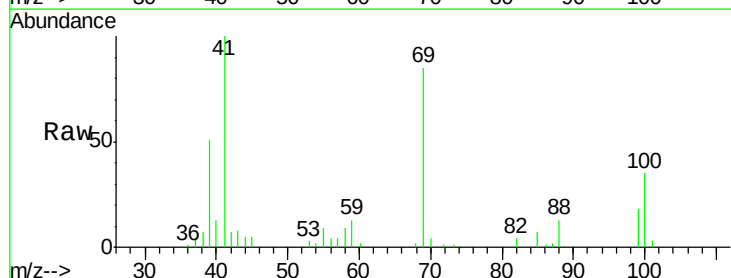
RT: 7.78 min Scan# 1180

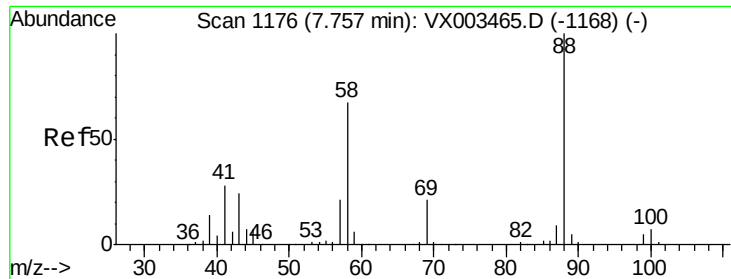
Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	41	Resp:	17663
Ion	Ratio	Lower	Upper
41	100		
69	87.5	59.1	88.7
39	52.2	48.9	73.3





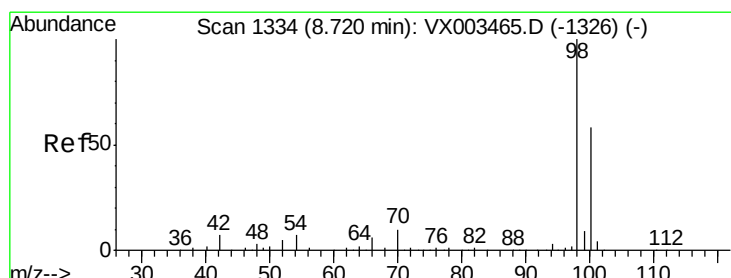
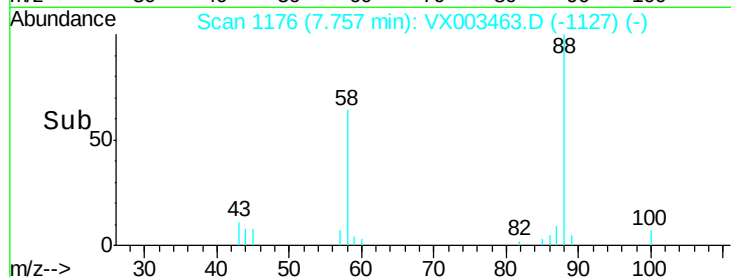
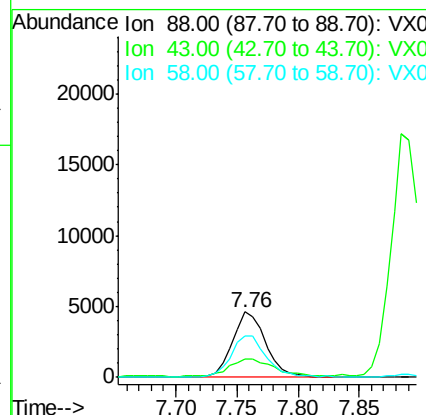
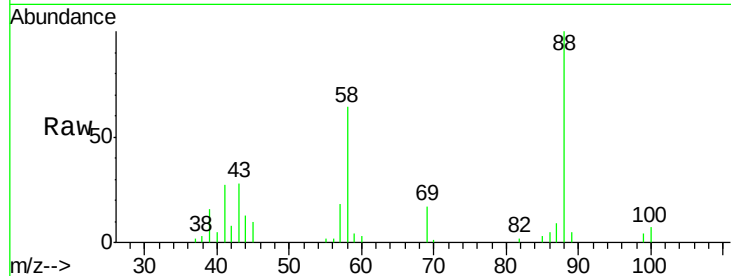
#49
1,4-Dioxane
Concen: 99.44 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	29.8	44.6
58	67.8	57.1	85.7

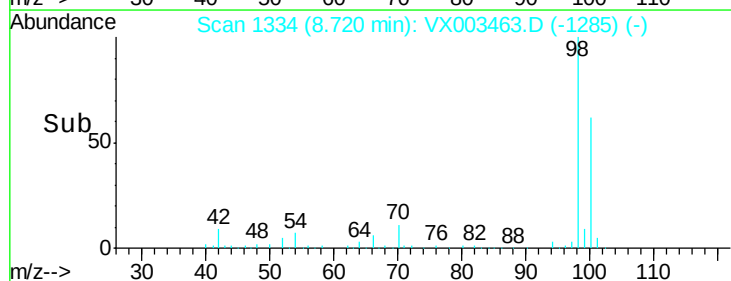
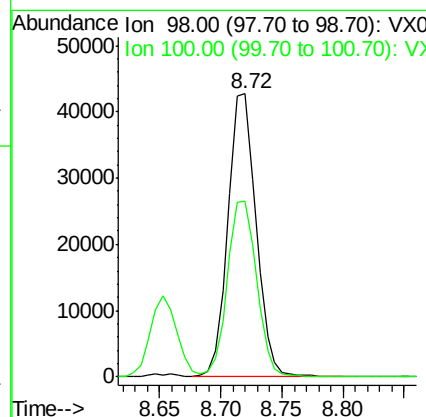
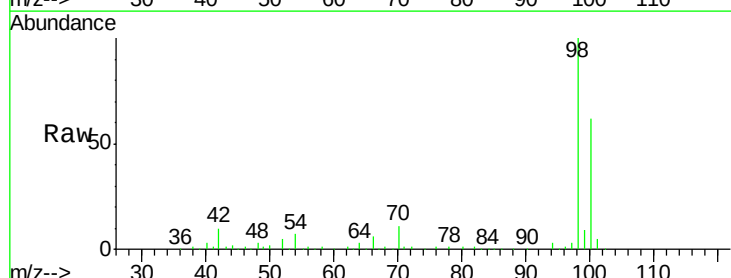
Manual Integrations
APPROVED

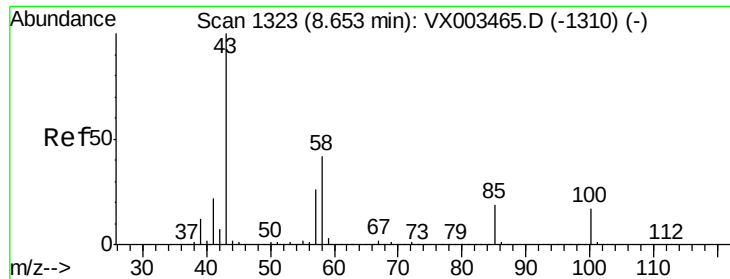
MMDadoda
7/20/2018 5:22:07 PM



#50
Toluene-d8
Concen: 4.94 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 19.81 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 115099

Ion Ratio Lower Upper

43 100

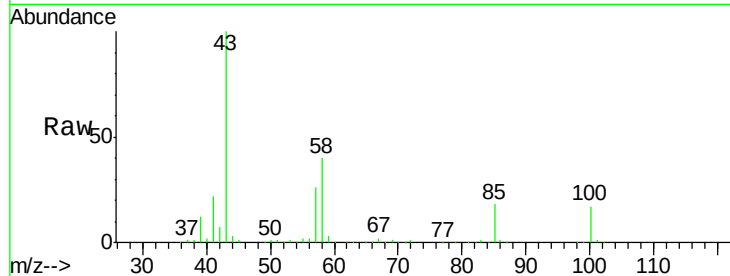
58 40.0 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

80000

60000

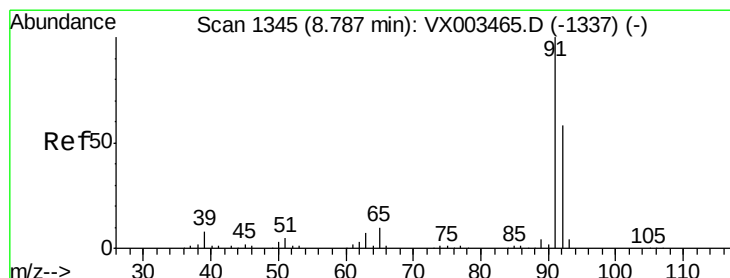
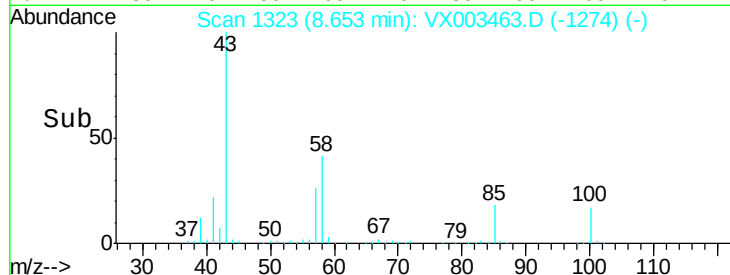
40000

20000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 5.07 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003463.D

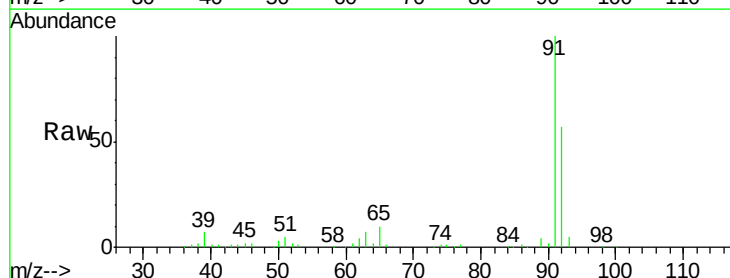
Acq: 19 Jul 2018 13:29

Tgt Ion: 92 Resp: 46806

Ion Ratio Lower Upper

92 100

91 173.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

60000

50000

40000

30000

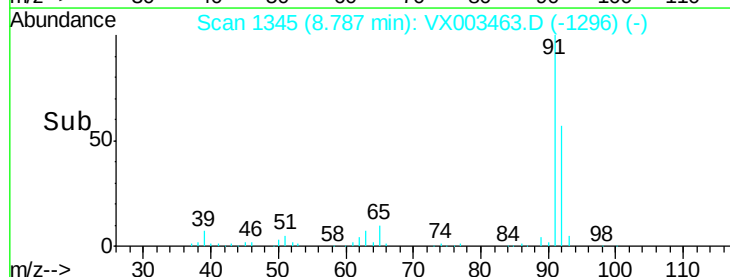
20000

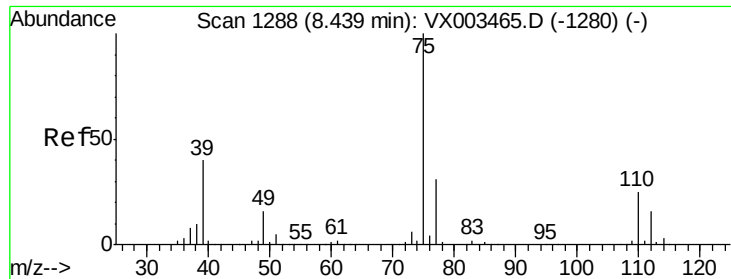
10000

0

8.70 8.75 8.80 8.85 8.90

Time-->





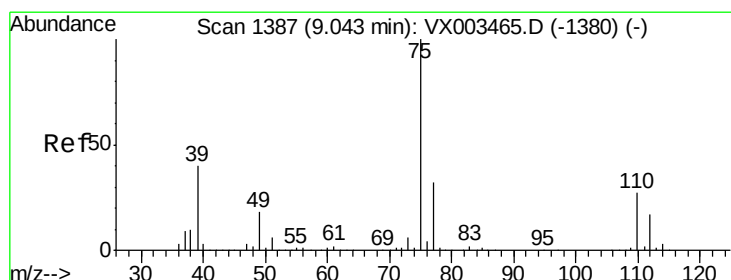
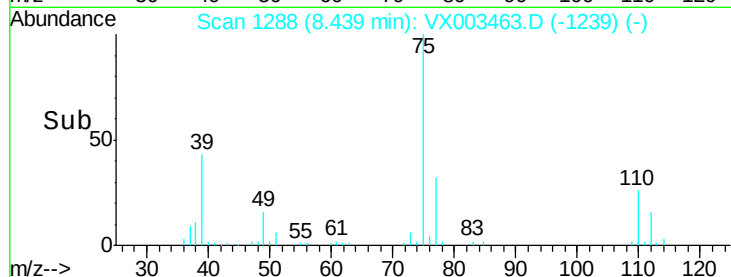
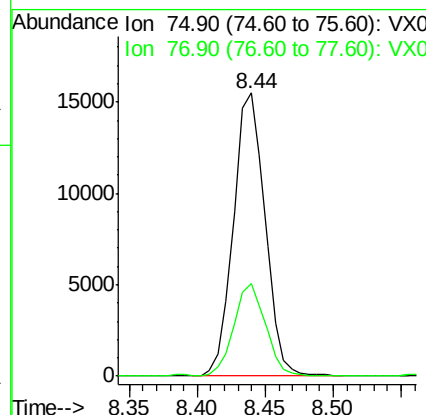
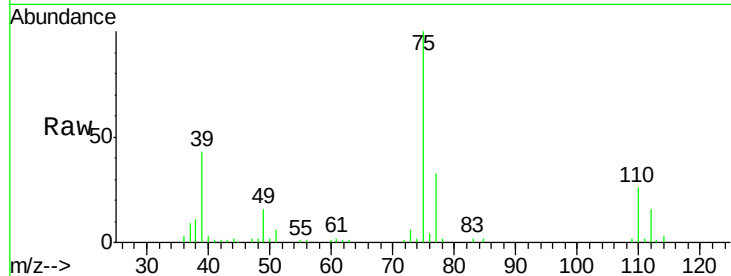
#53
 t-1,3-Dichloropropene
 Concen: 4.75 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 25107
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.2

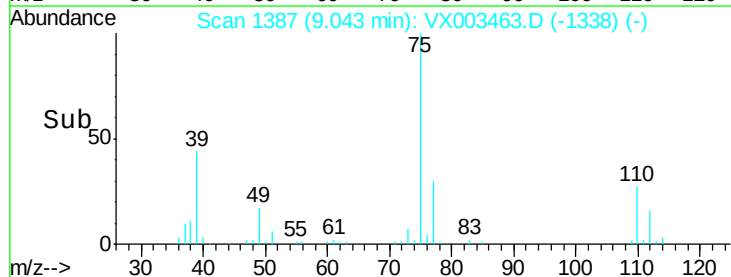
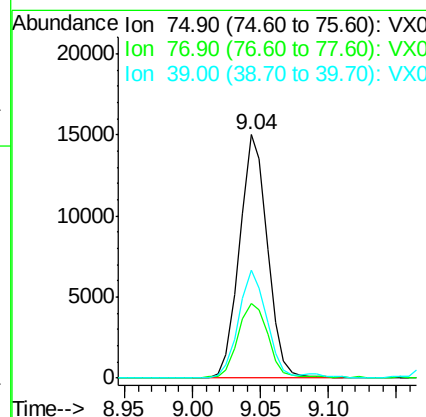
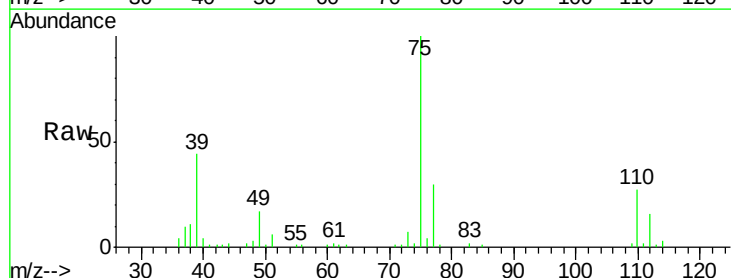
Manual Integrations
 APPROVED

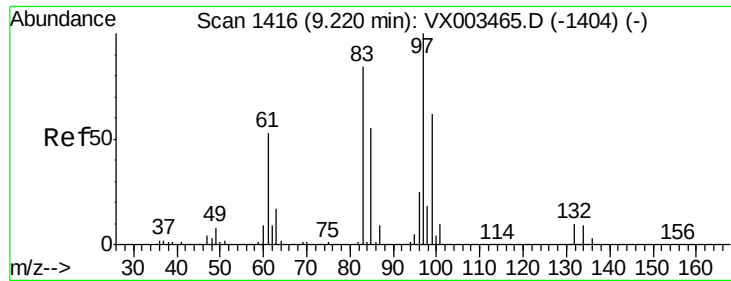
MMDadoda
 7/20/2018 5:22:07 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.40 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 75 Resp: 21523
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.8 37.2
 39 44.3 42.4 63.6





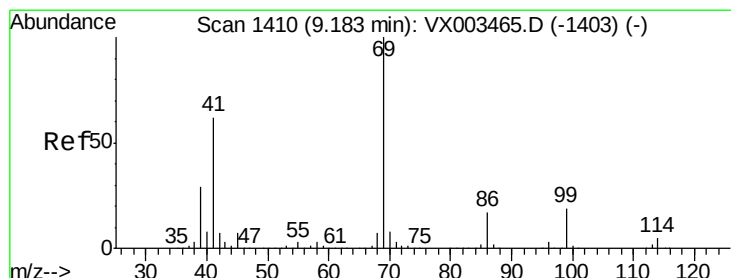
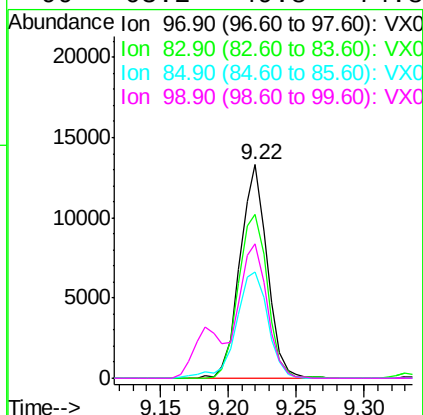
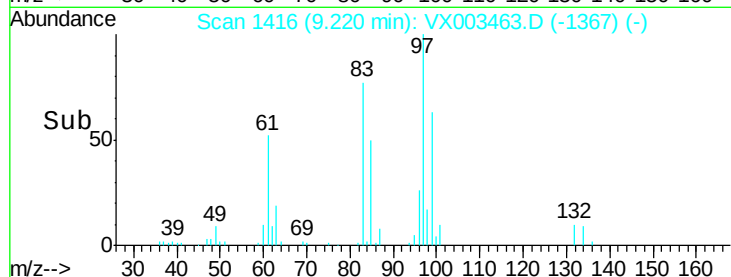
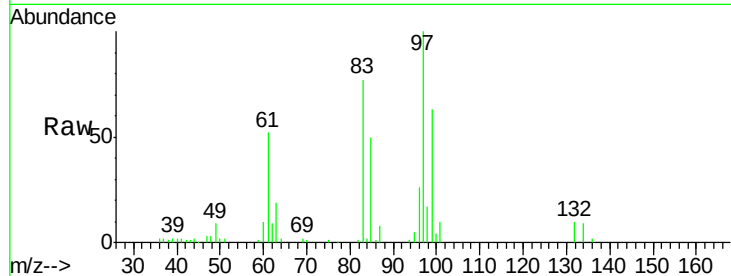
#55
 1,1,2-Trichloroethane
 Concen: 4.99 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.7	70.2	105.2
85	49.9	44.9	67.3
99	63.2	49.8	74.8

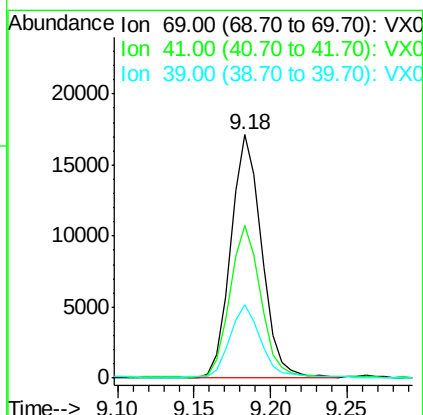
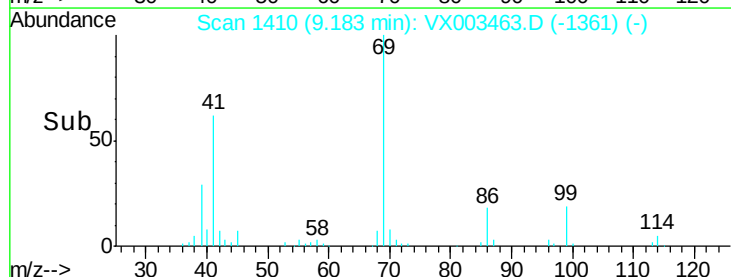
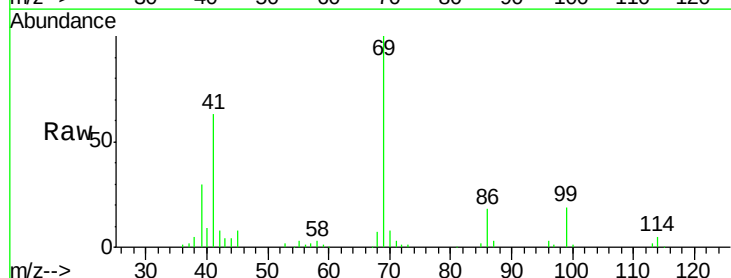
Manual Integrations
 APPROVED

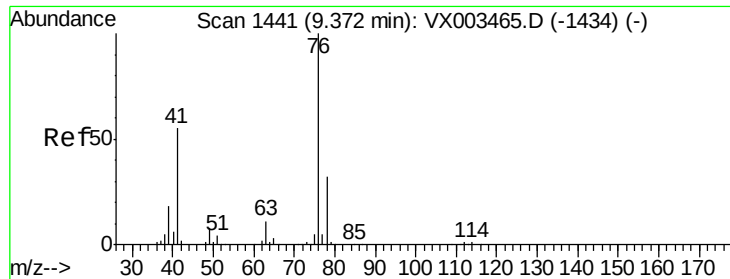
MMDadoda
 7/20/2018 5:22:07 PM



#56
 Ethyl methacrylate
 Concen: 4.18 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	60.3	90.5
39	31.5	35.8	53.8#





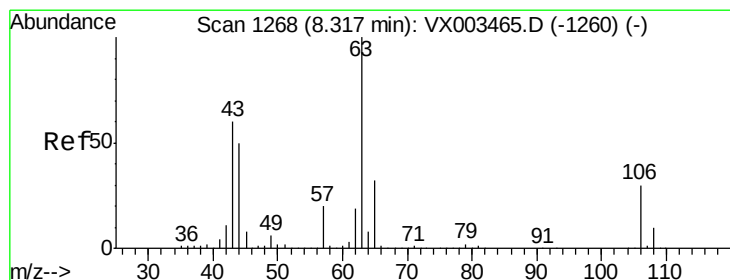
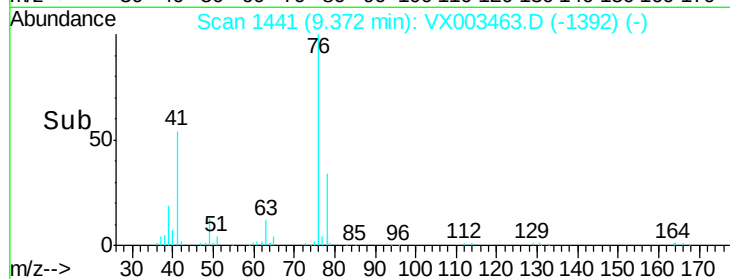
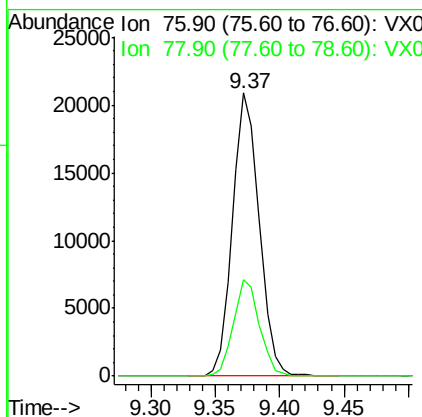
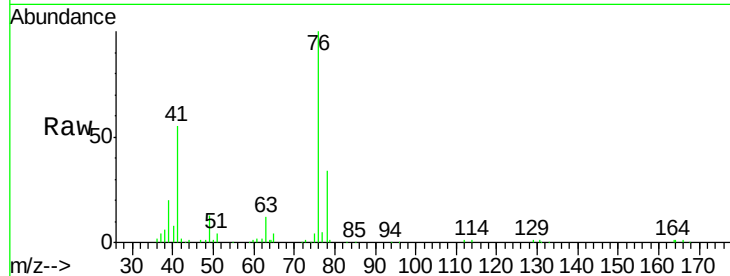
#57
 1,3-Dichloropropane
 Concen: 4.81 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 30318
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.8 38.6

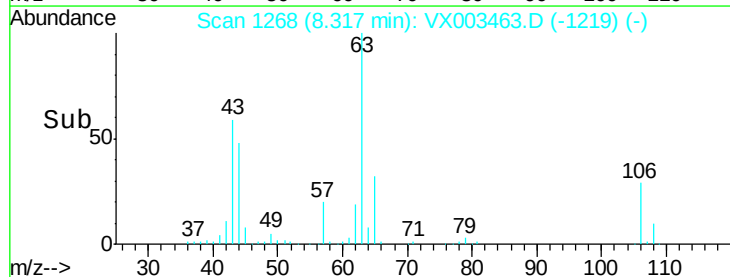
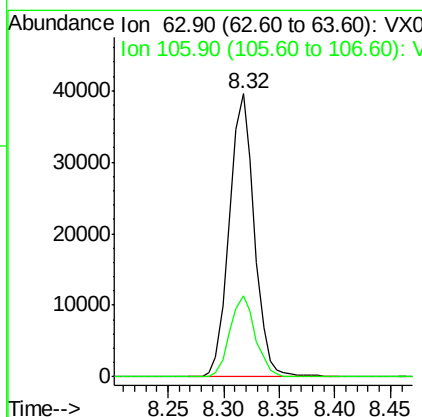
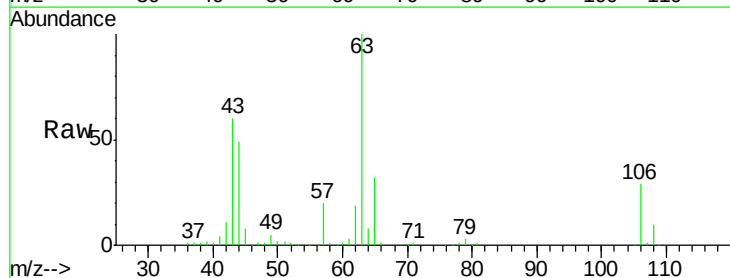
Manual Integrations
 APPROVED

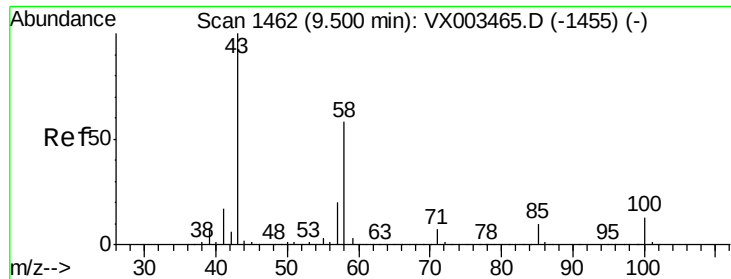
MMDadoda
 7/20/2018 5:22:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.17 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 63 Resp: 61520
 Ion Ratio Lower Upper
 63 100
 106 29.0 21.8 32.8





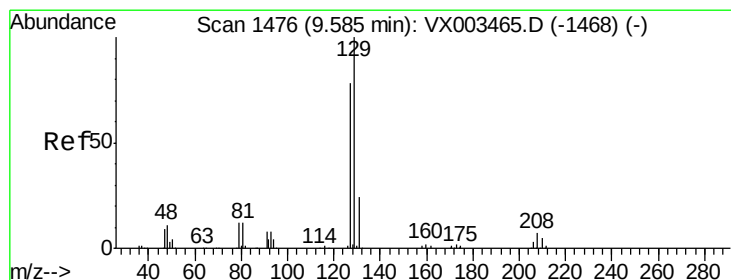
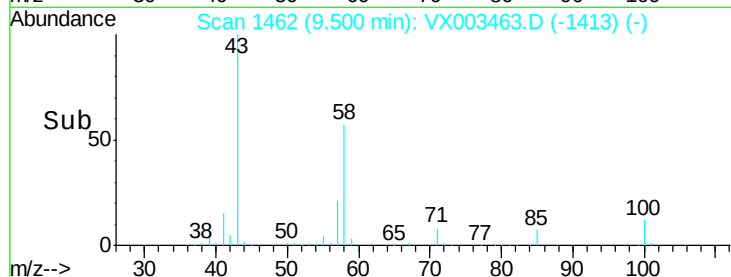
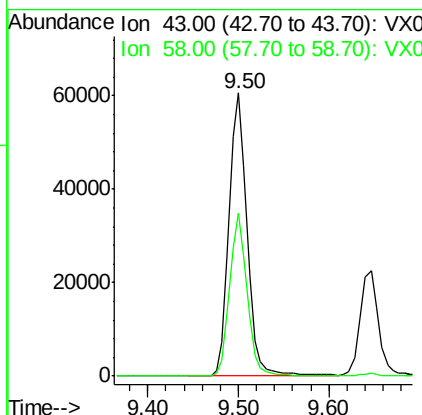
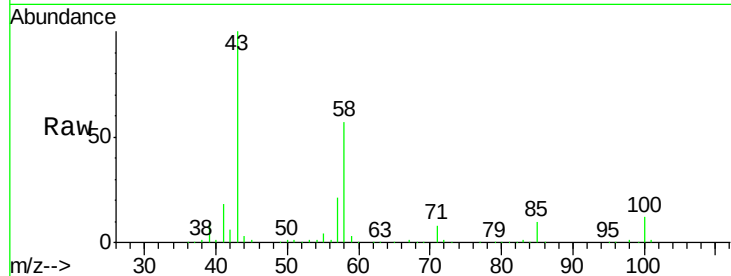
#59
2-Hexanone
Concen: 19.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 84127
Ion Ratio Lower Upper
43 100
58 55.7 24.6 73.6

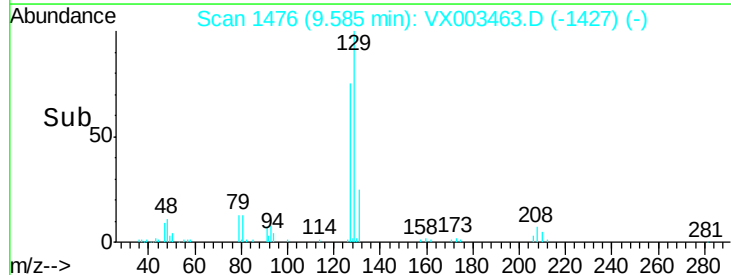
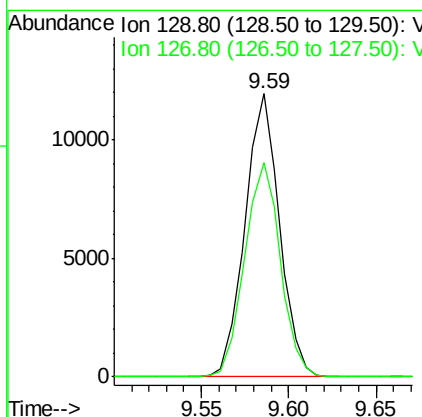
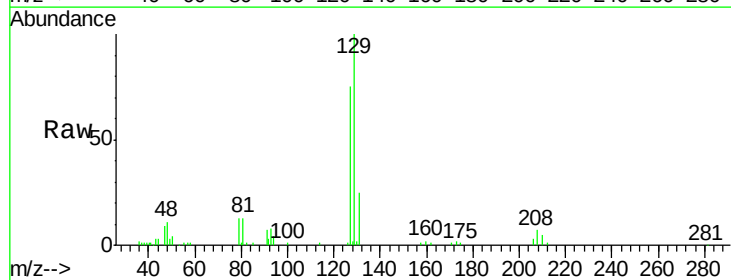
Manual Integrations
APPROVED

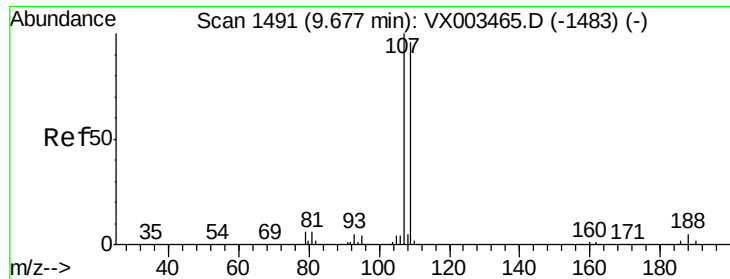
MMDadoda
7/20/2018 5:22:07 PM



#60
Dibromochloromethane
Concen: 4.55 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 129 Resp: 16359
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 4.82 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 18628

Ion Ratio Lower Upper

107 100

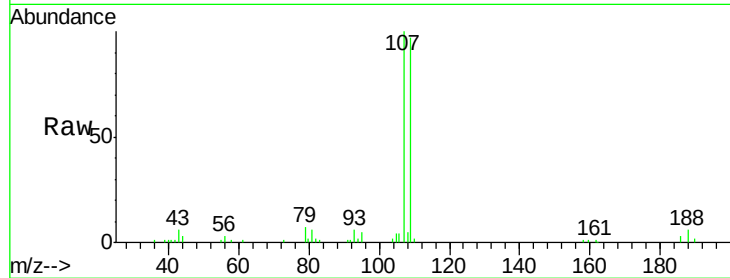
109 95.2 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

15000

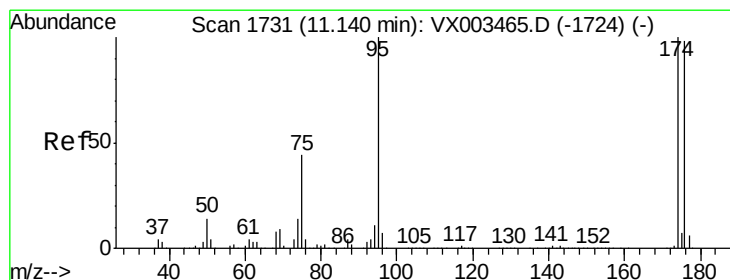
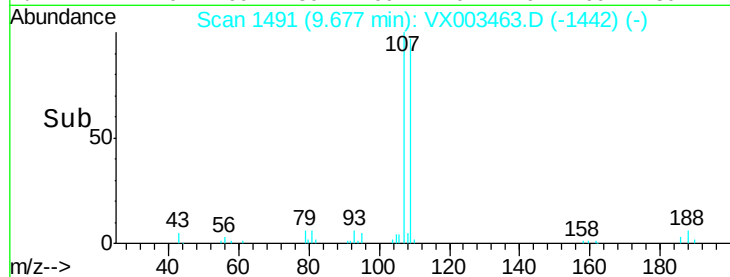
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 4.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

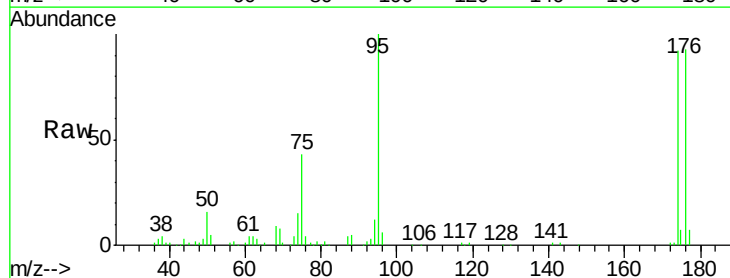
Tgt Ion: 95 Resp: 23805

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

176 93.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

25000

20000

15000

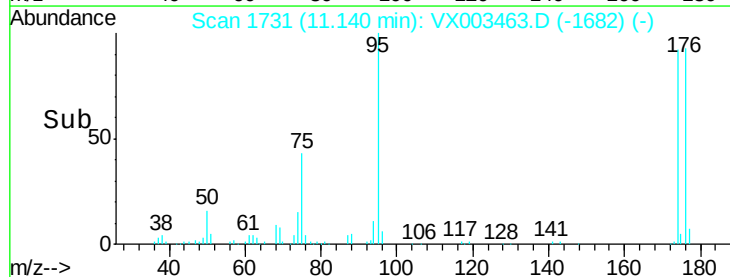
10000

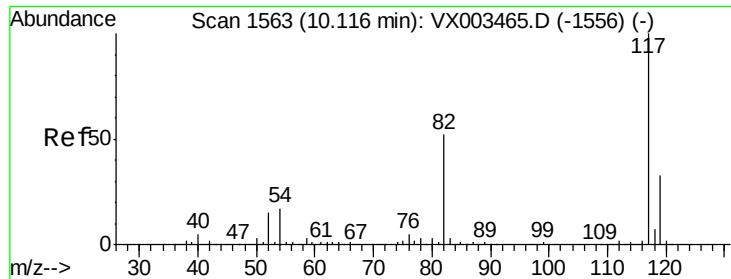
5000

0

Time-->

11.10 11.15 11.20





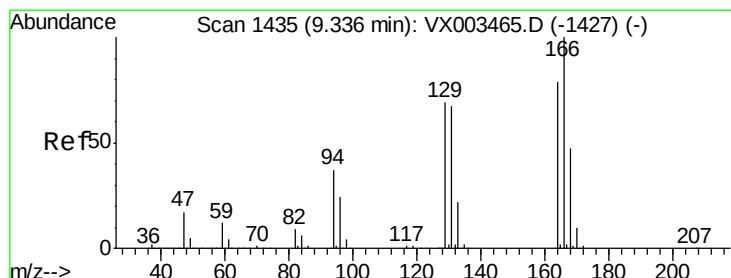
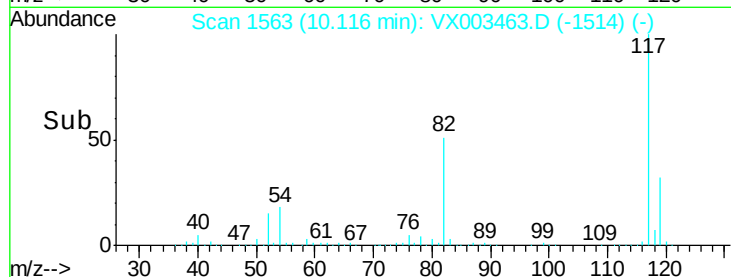
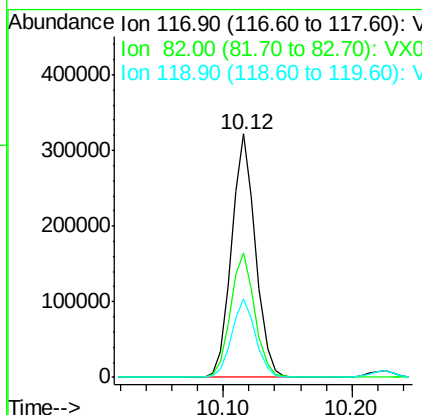
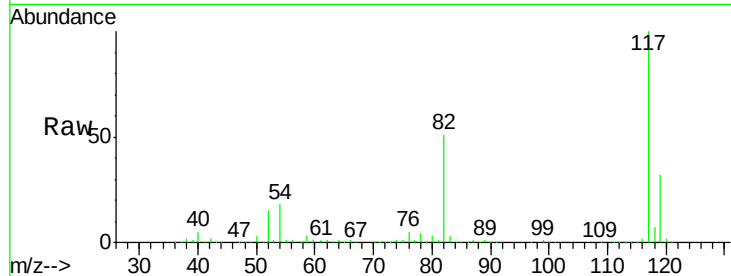
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	45.0	67.4
119	32.4	25.8	38.6

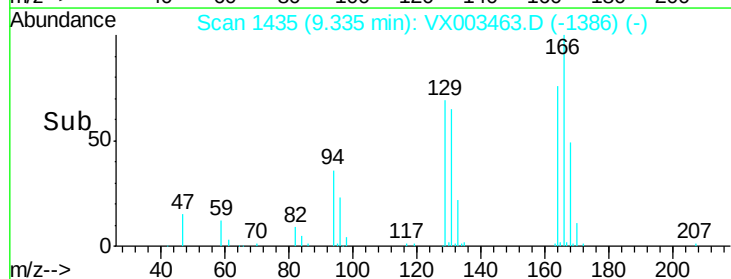
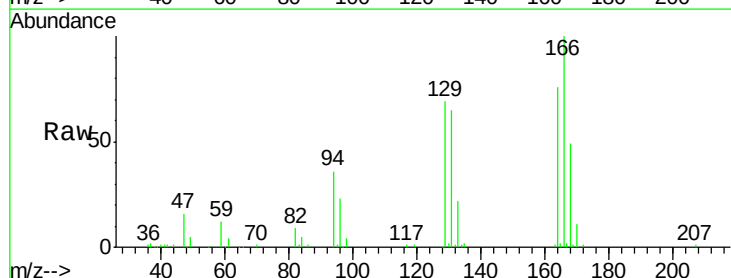
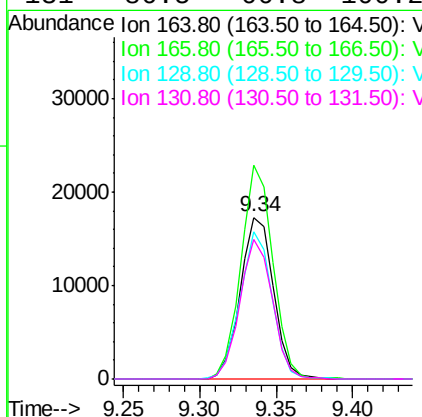
Manual Integrations
APPROVED

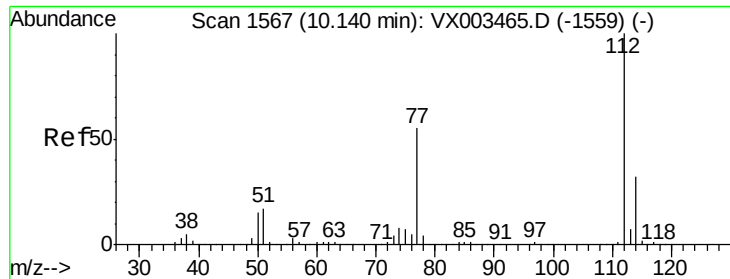
MMDadoda
7/20/2018 5:22:07 PM



#64
Tetrachloroethene
Concen: 5.63 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	102.9	154.3
129	90.8	68.6	102.8
131	86.5	66.8	100.2





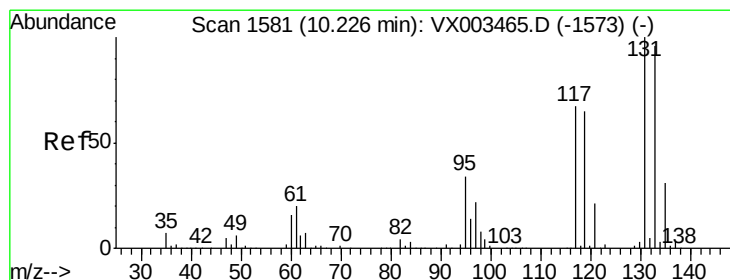
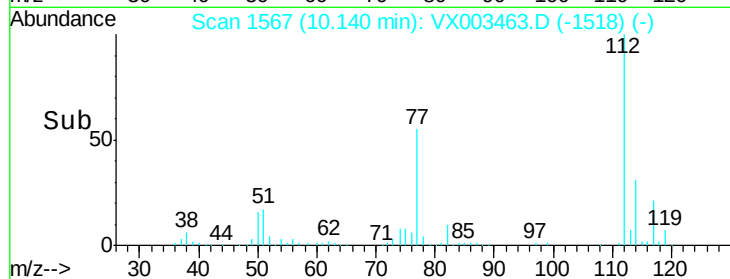
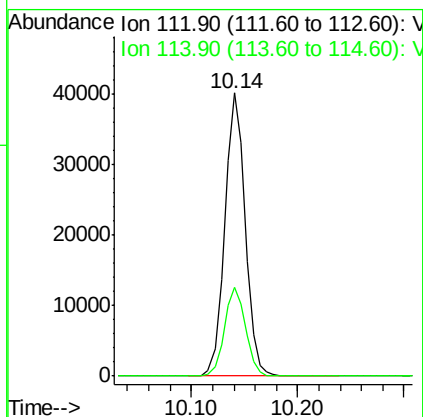
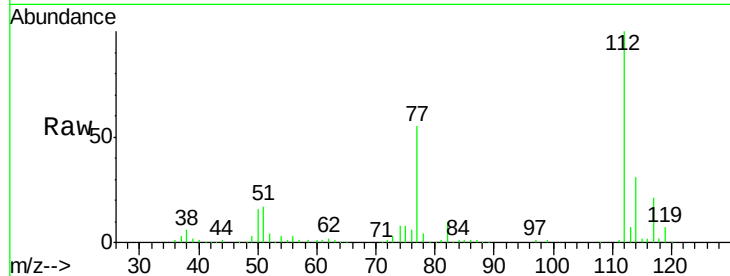
#65
Chlorobenzene
Concen: 5.27 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 53925
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

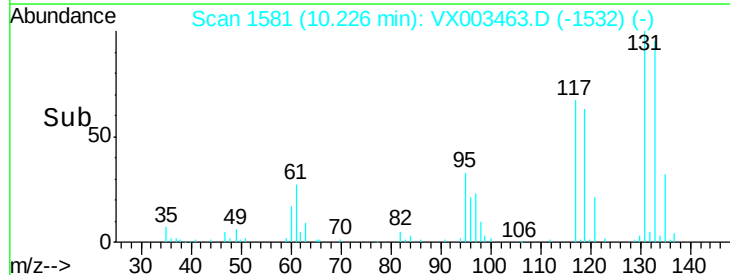
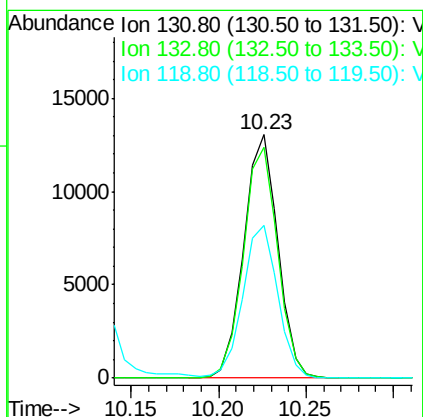
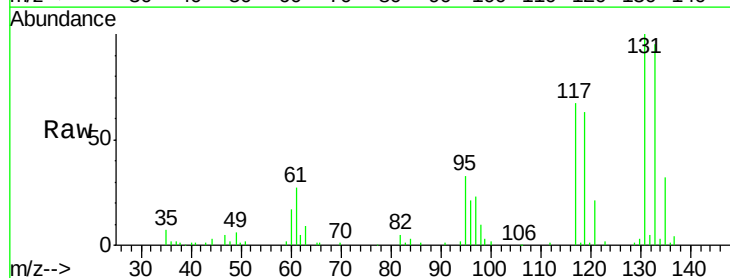
Manual Integrations
APPROVED

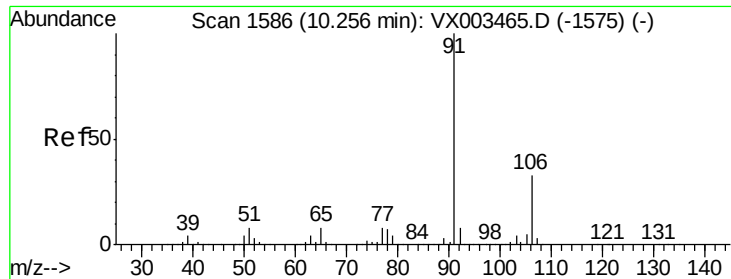
MMDadoda
7/20/2018 5:22:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.05 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion:131 Resp: 17626
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 64.3 31.8 95.3





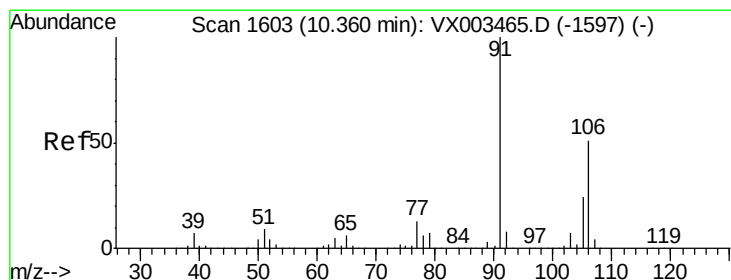
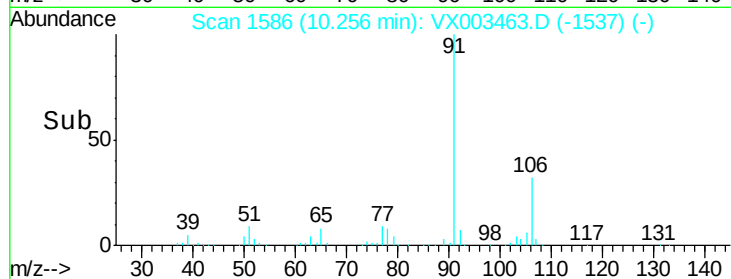
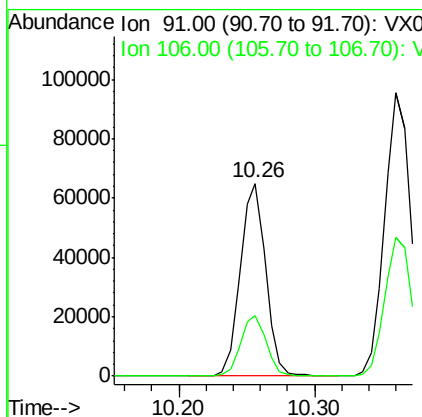
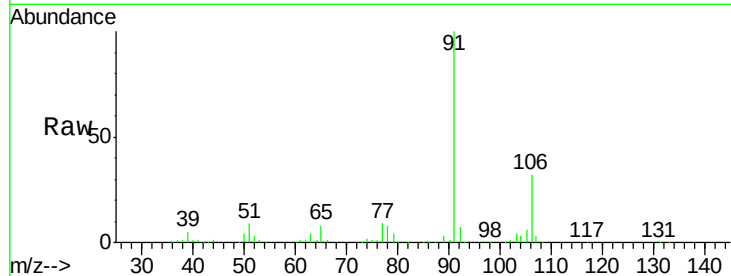
#67
Ethyl Benzene
Concen: 4.91 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 84751
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

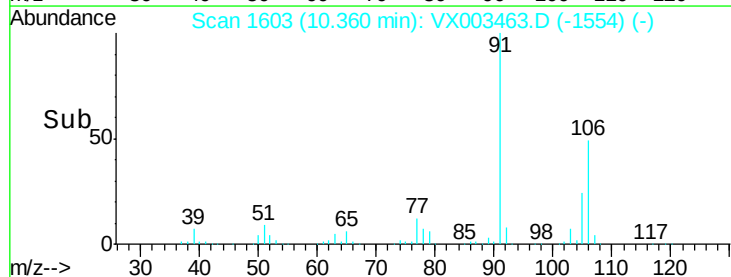
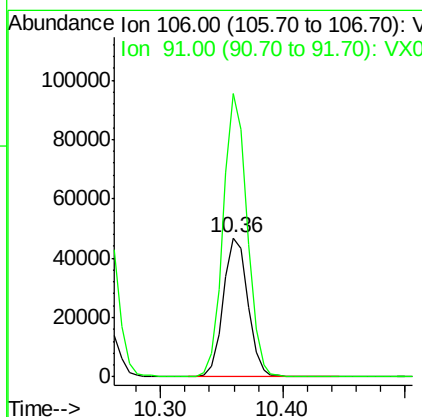
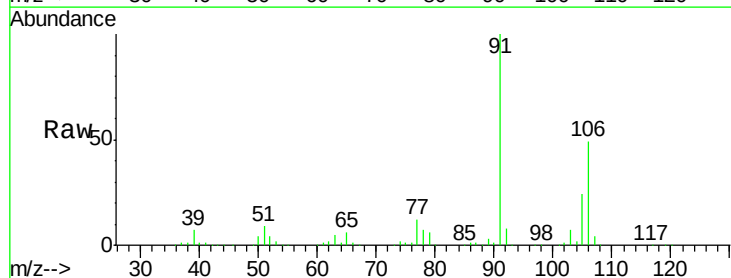
Manual Integrations
APPROVED

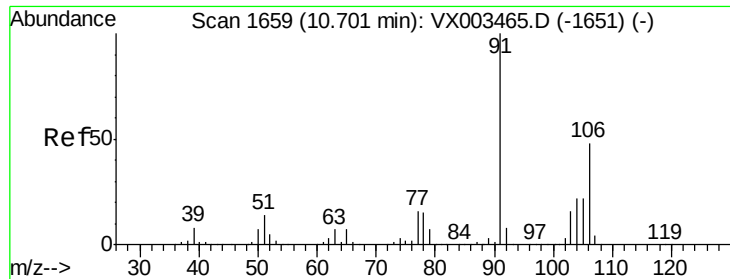
MMDadoda
7/20/2018 5:22:07 PM



#68
m/p-Xylenes
Concen: 9.85 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion: 106 Resp: 65559
Ion Ratio Lower Upper
106 100
91 197.0 163.4 245.2





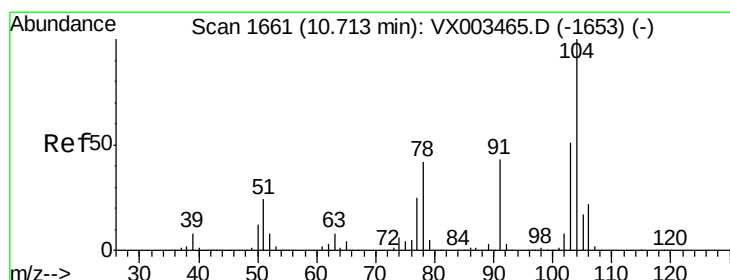
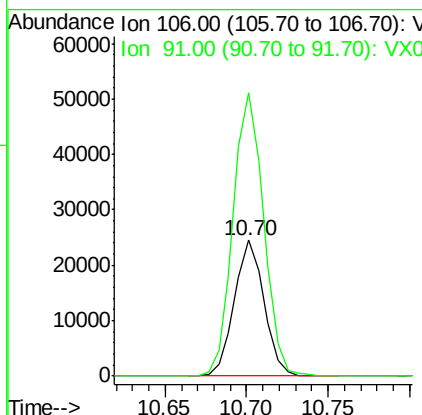
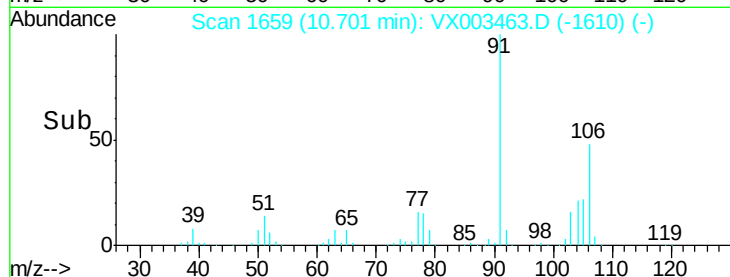
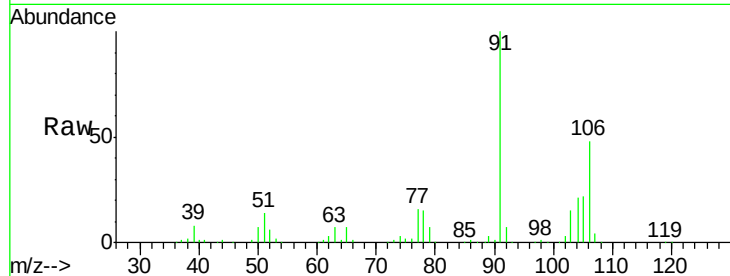
#69
o-Xylene
Concen: 4.76 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 31155
Ion Ratio Lower Upper
106 100
91 215.6 108.2 324.6

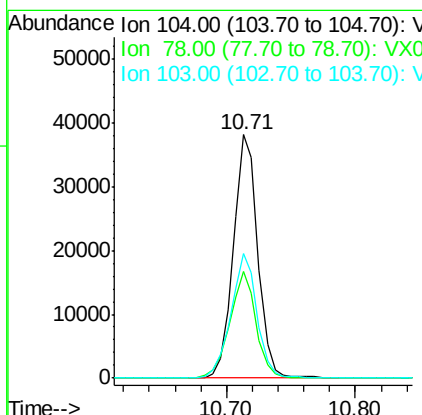
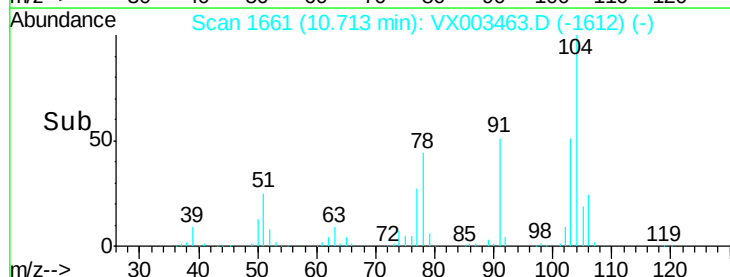
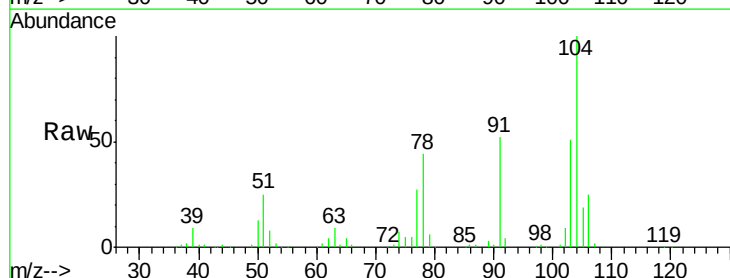
Manual Integrations
APPROVED

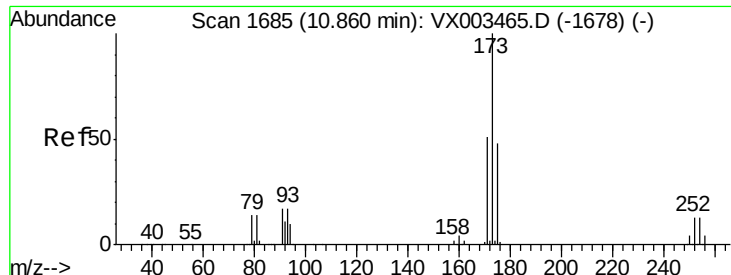
MMDadoda
7/20/2018 5:22:07 PM



#70
Styrene
Concen: 4.70 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion:104 Resp: 50503
Ion Ratio Lower Upper
104 100
78 47.1 41.0 61.6
103 54.9 44.2 66.4





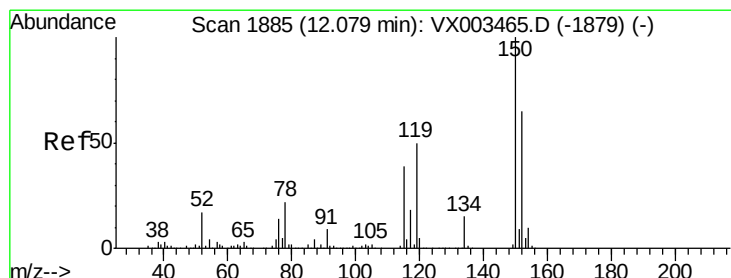
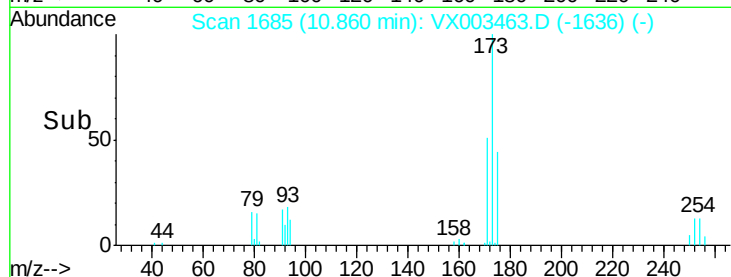
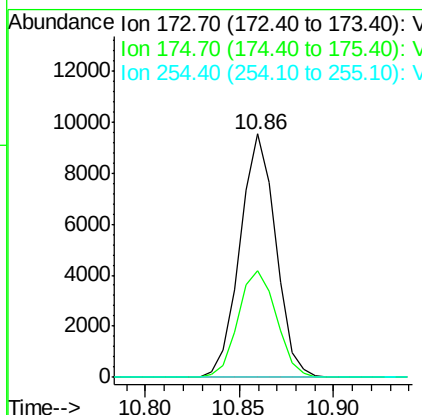
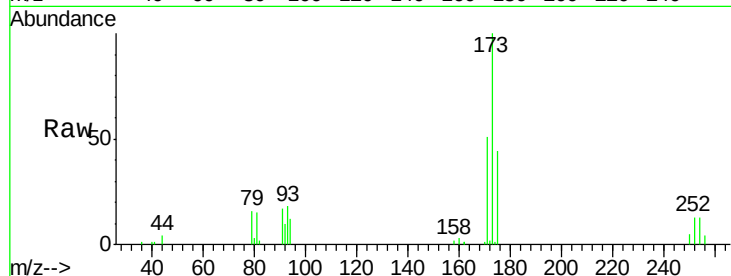
#71
Bromoform
Concen: 4.78 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.7	74.1
254	0.0	0.2	0.2

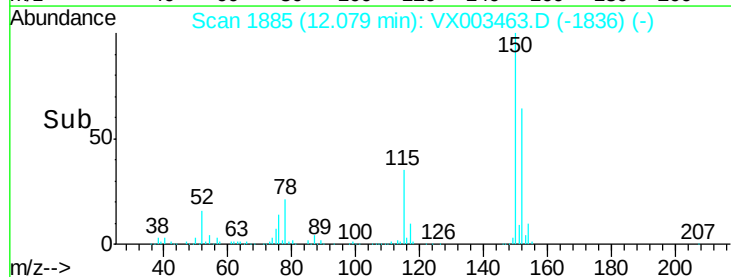
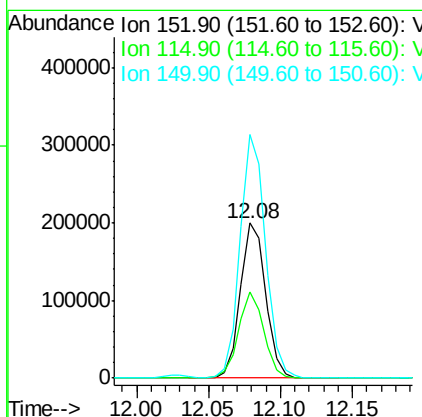
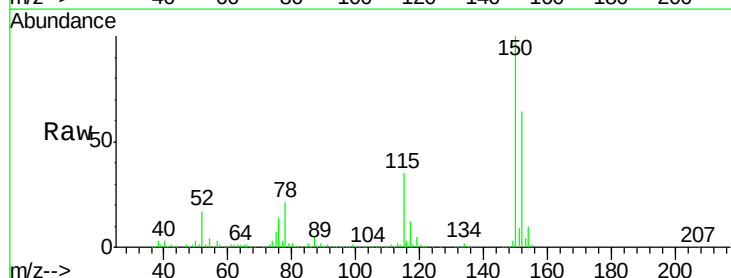
Manual Integrations
APPROVED

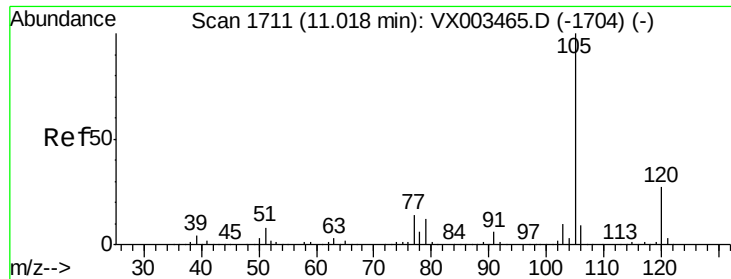
MMDadoda
7/20/2018 5:22:07 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	40.1	120.2
150	157.3	0.0	347.2





#73

Isopropylbenzene

Concen: 5.20 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 84766

Ion Ratio Lower Upper

105 100

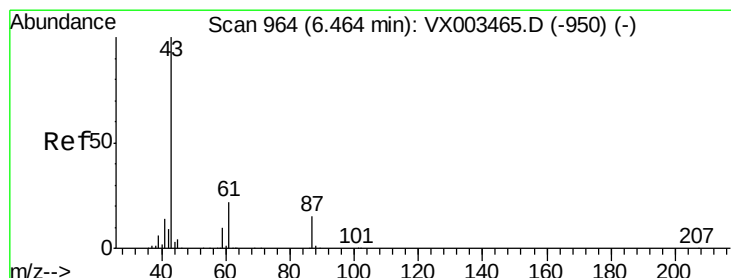
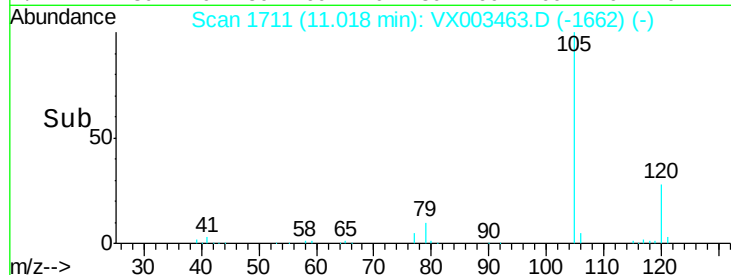
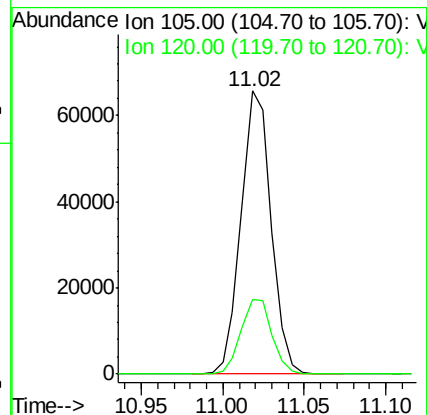
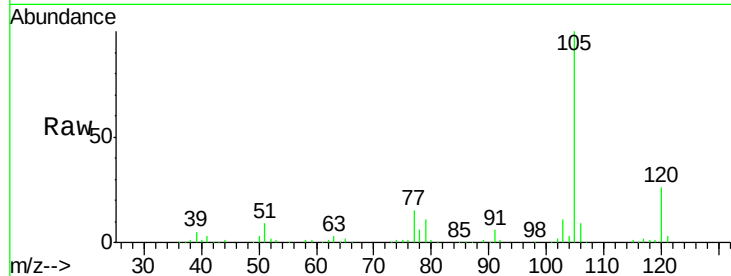
120 27.2 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

7/20/2018 5:22:07 PM



#74

N-ethyl acetate

Concen: 4.48 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion: 43 Resp: 36281

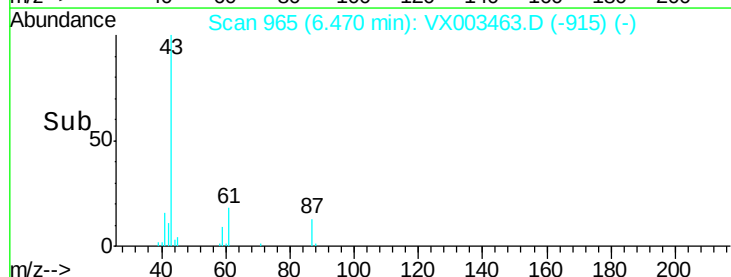
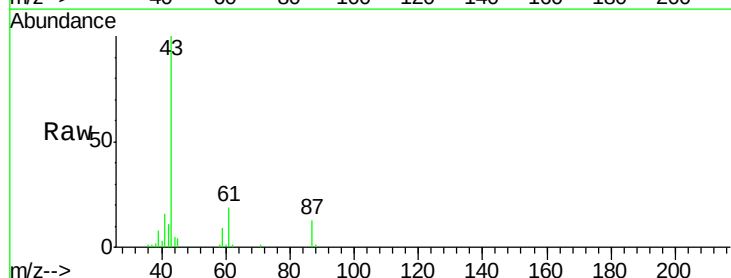
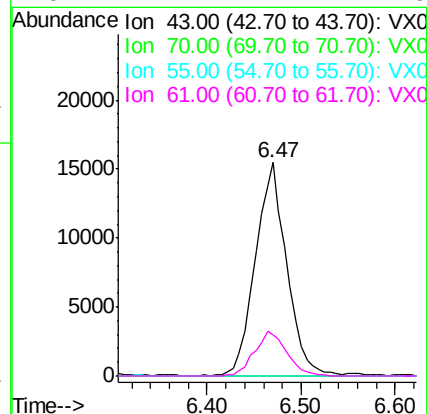
Ion Ratio Lower Upper

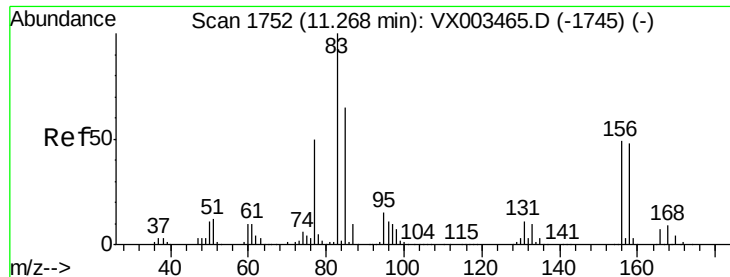
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

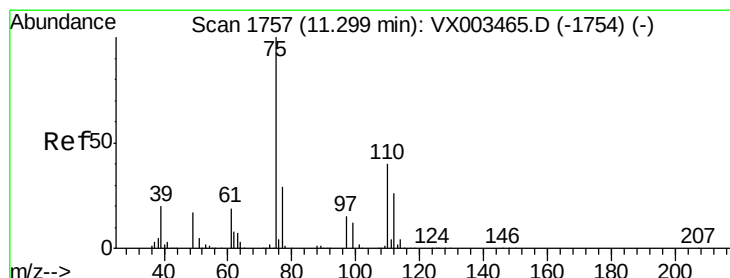
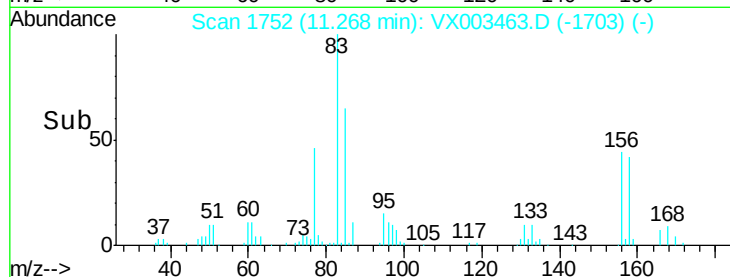
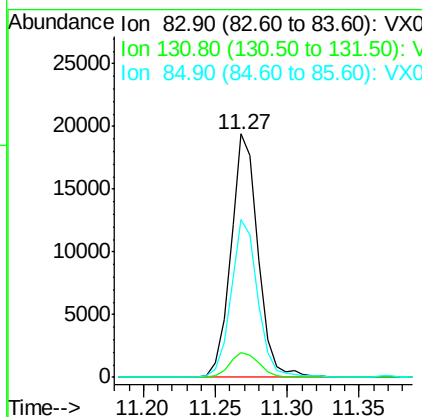
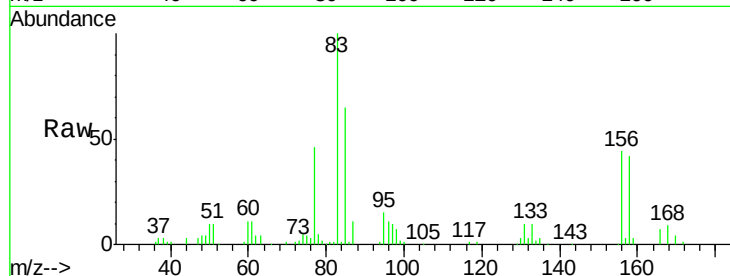
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	25566
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.1	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#76

1,2,3-Trichloropropane

Concen: 4.87 ug/l m

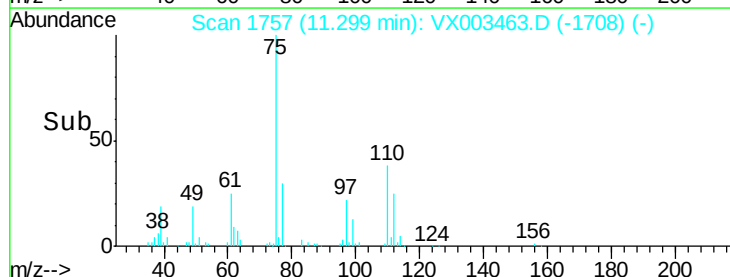
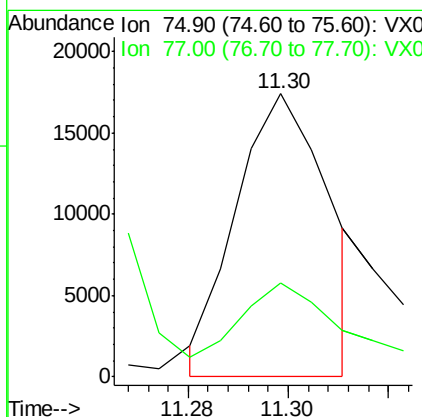
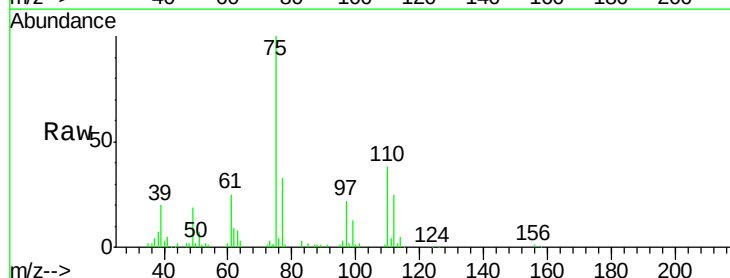
RT: 11.30 min Scan# 1757

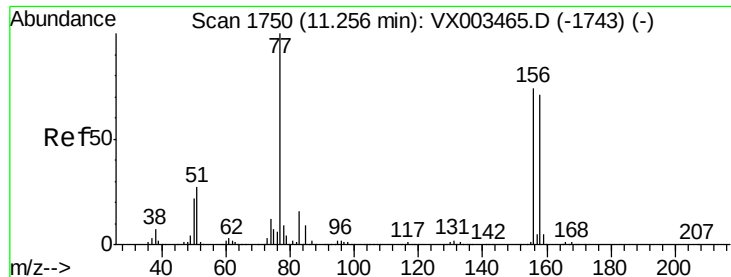
Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	75	Resp:	22407
Ion Ratio	Lower	Upper	
75	100		
77	40.6	22.8	68.3





#77

Bromobenzene

Concen: 5.33 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 24217

Ion Ratio Lower Upper

156 100

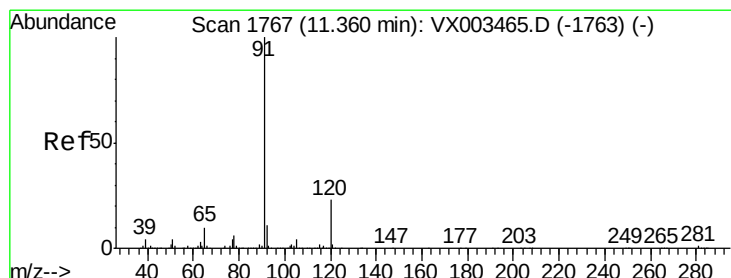
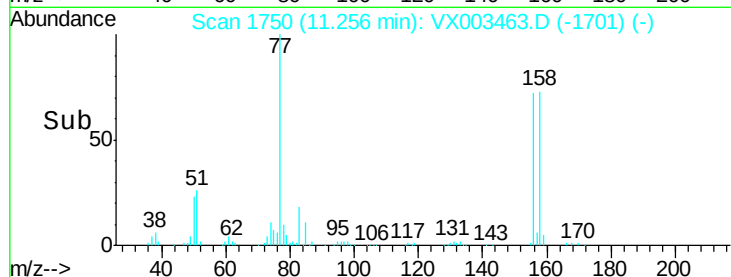
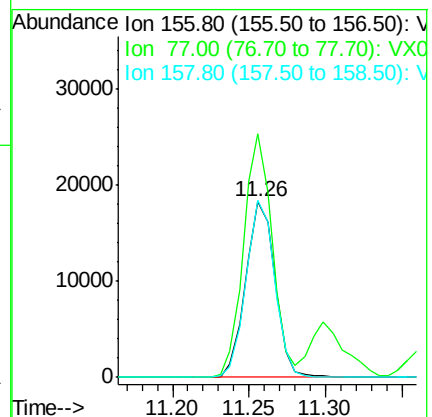
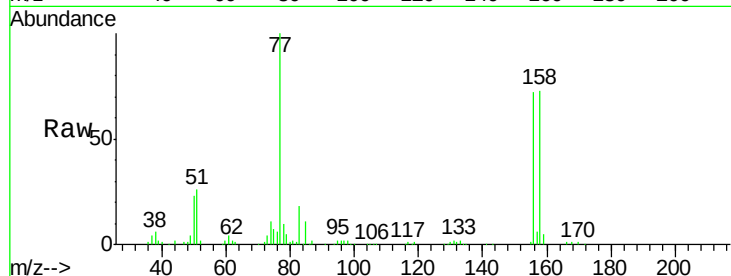
77 135.8 71.4 214.2

158 98.7 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

7/20/2018 5:22:07 PM



#78

n-propylbenzene

Concen: 4.91 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003463.D

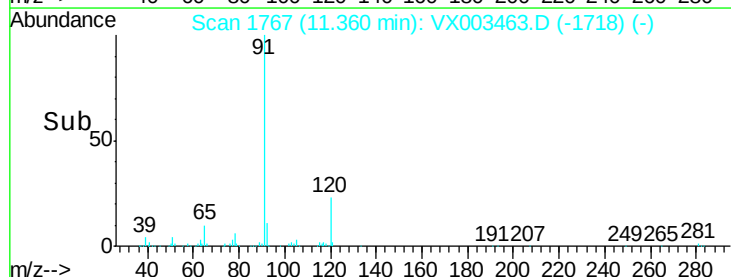
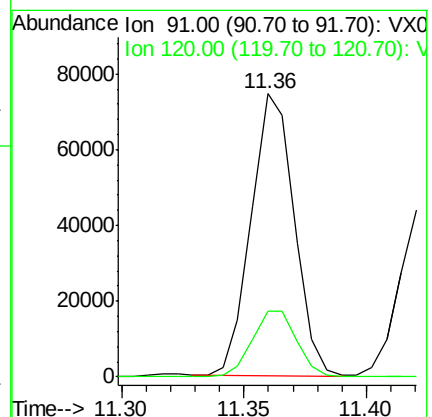
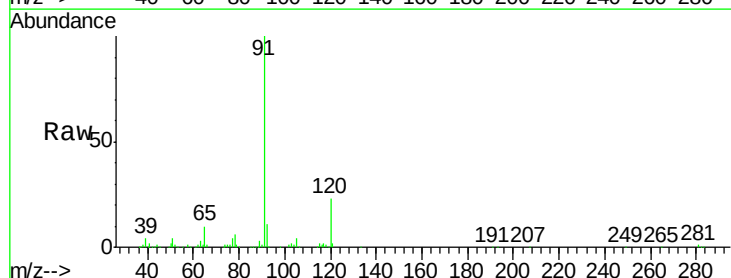
Acq: 19 Jul 2018 13:29

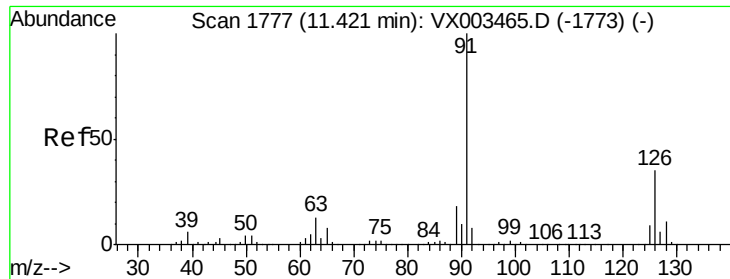
Tgt Ion: 91 Resp: 91825

Ion Ratio Lower Upper

91 100

120 24.3 11.8 35.4





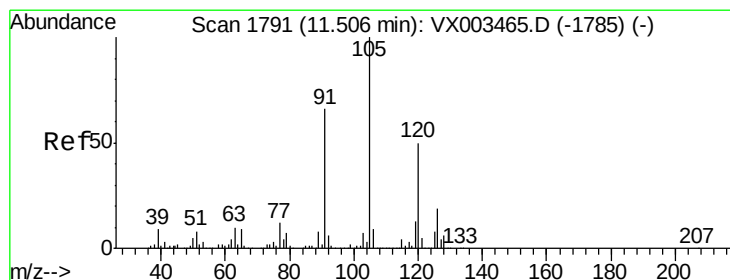
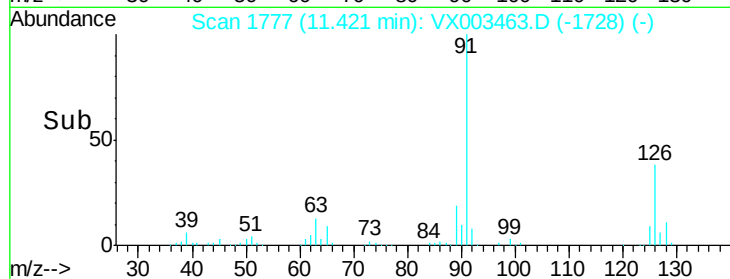
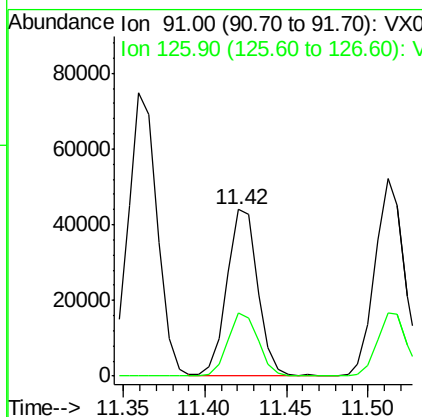
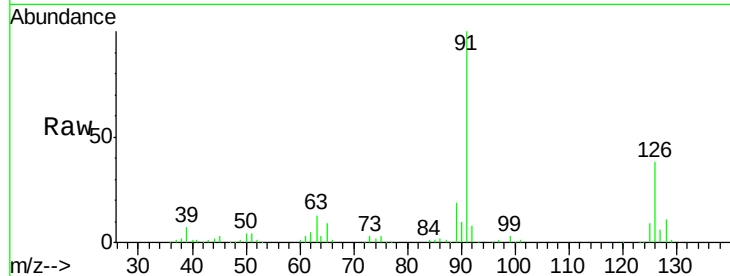
#79
 2-Chlorotoluene
 Concen: 5.15 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 57480
 Ion Ratio Lower Upper
 91 100
 126 37.4 17.7 53.1

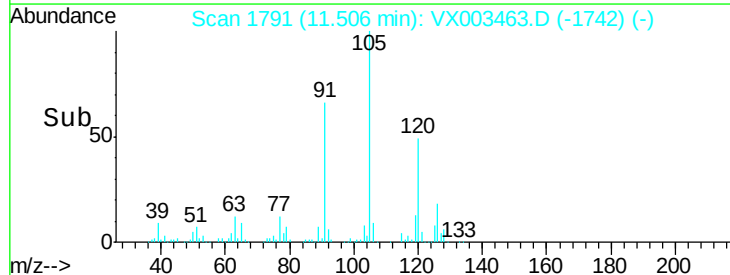
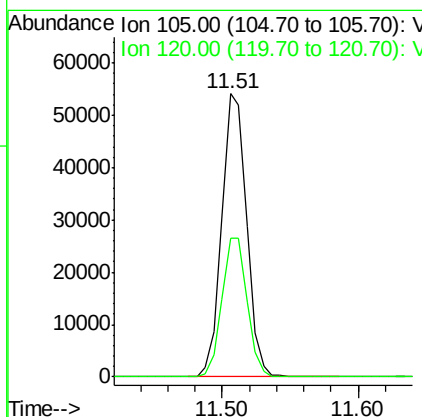
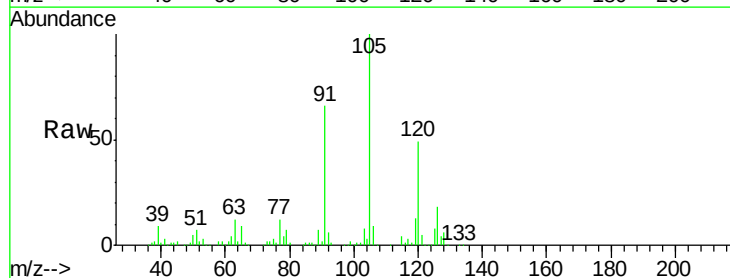
Manual Integrations
 APPROVED

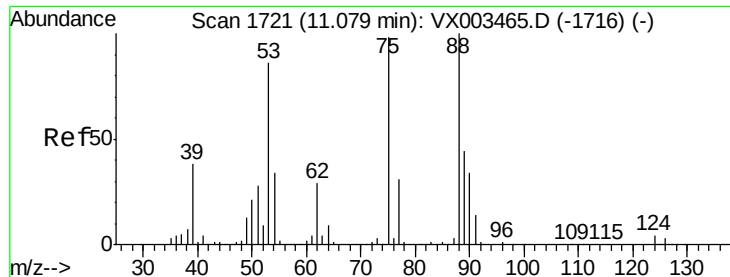
MMDadoda
 7/20/2018 5:22:07 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.97 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion: 105 Resp: 68543
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.87 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

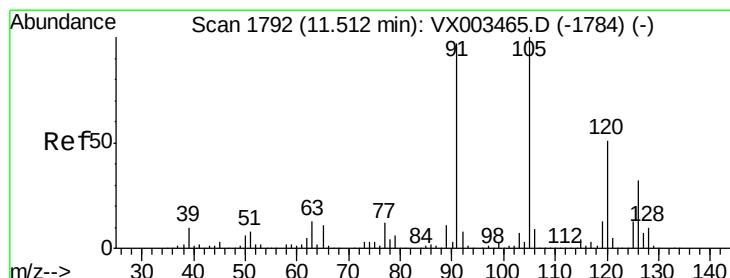
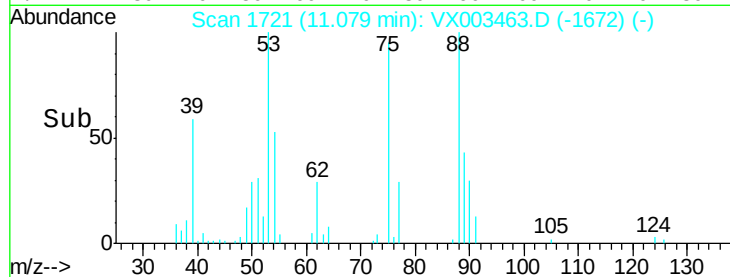
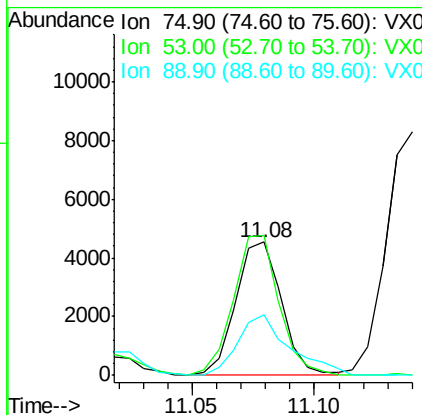
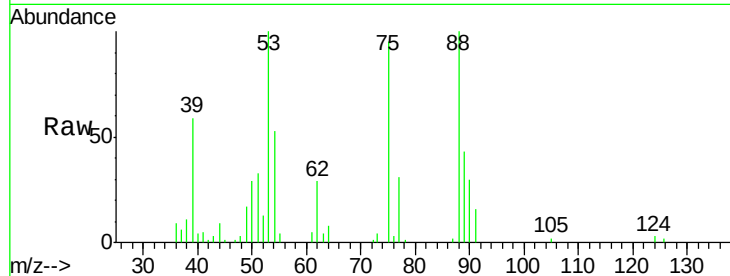
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	5925
Ion	Ratio	Lower	Upper
75	100		
53	104.7	86.8	130.2
89	51.5	38.2	57.2

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#82

4-Chlorotoluene

Concen: 4.99 ug/l

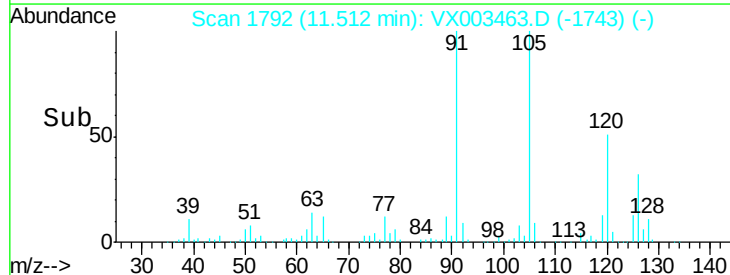
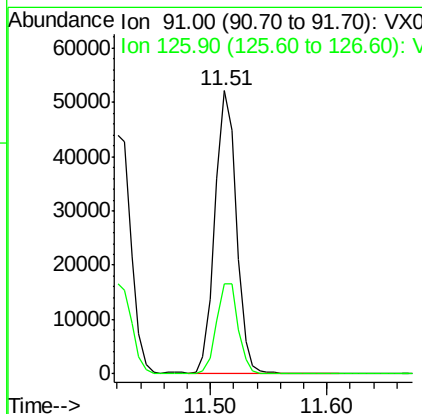
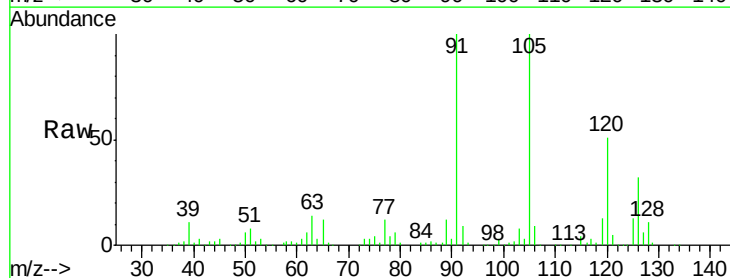
RT: 11.51 min Scan# 1792

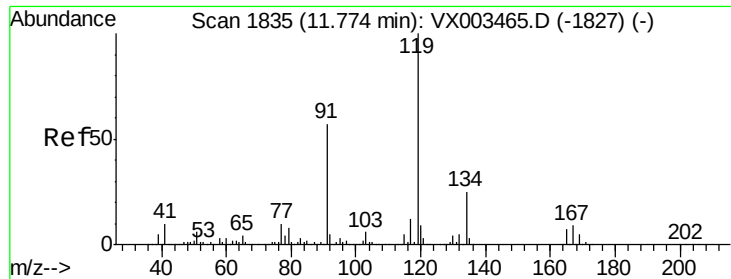
Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	91	Resp:	65700
Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.4	46.4





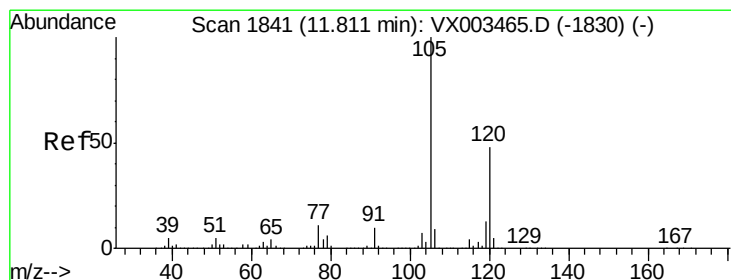
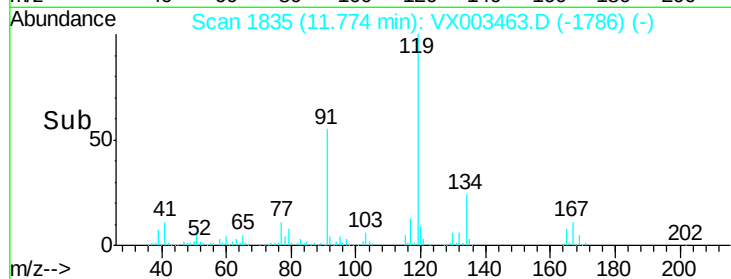
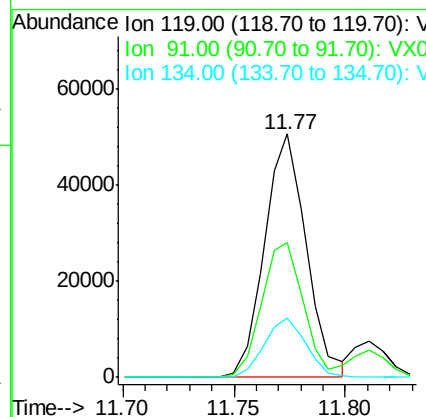
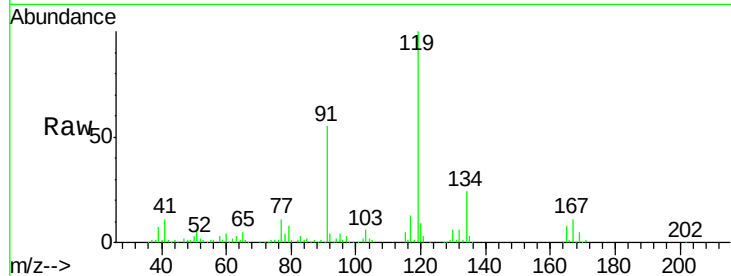
#83
 tert-Butylbenzene
 Concen: 4.97 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	30.3	90.9
134	24.3	11.7	35.1

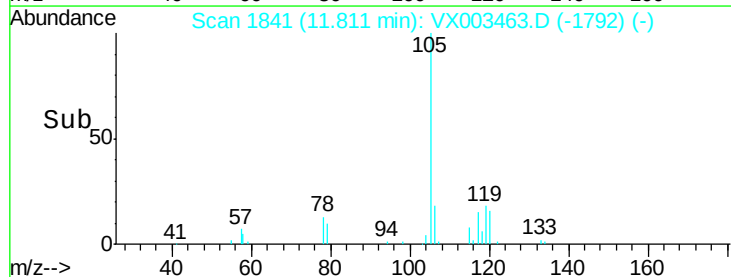
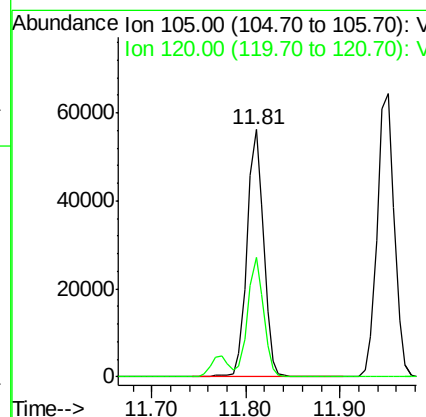
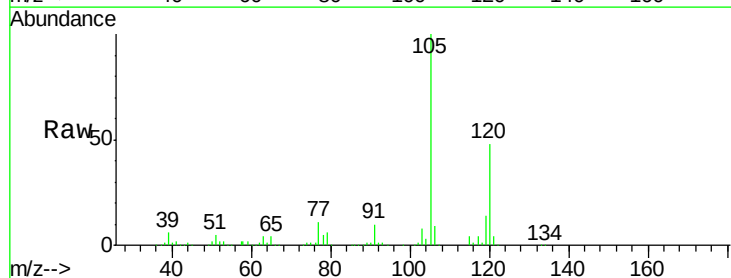
Manual Integrations
 APPROVED

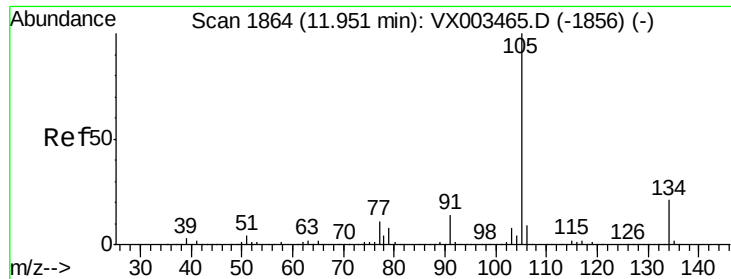
MMDadoda
 7/20/2018 5:22:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 4.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 81602

Ion Ratio Lower Upper

105 100

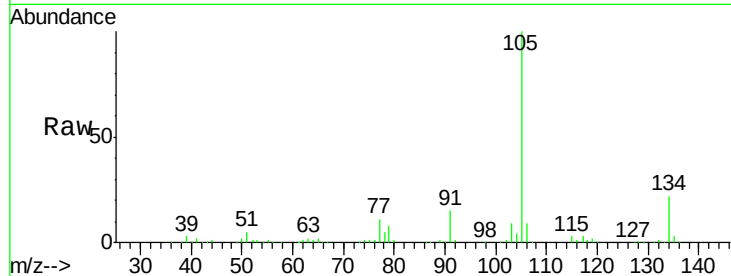
134 21.0 10.4 31.1

Manual Integrations

APPROVED

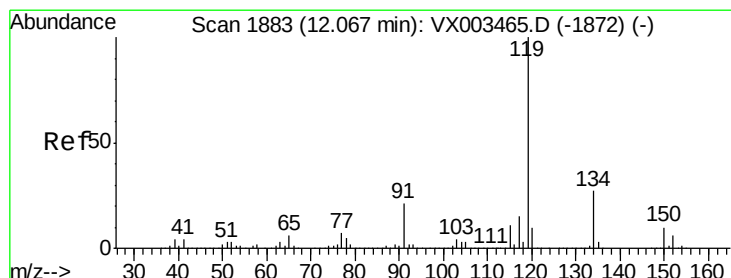
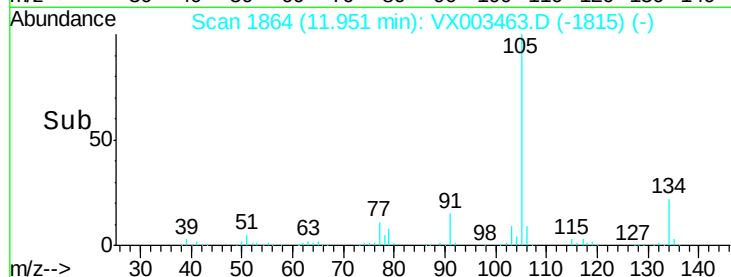
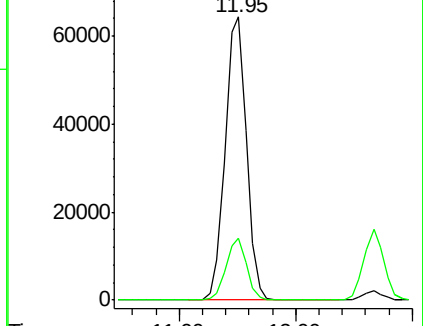
MMDadoda

7/20/2018 5:22:07 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.77 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

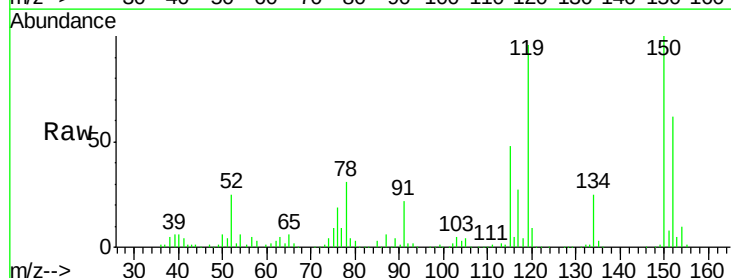
Tgt Ion:119 Resp: 71241

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

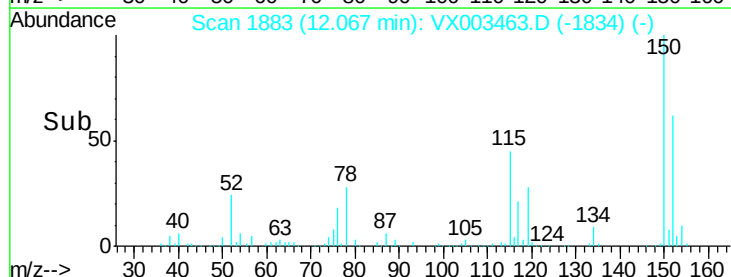
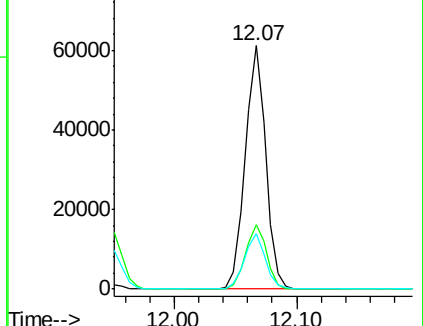
91 23.4 11.9 35.7

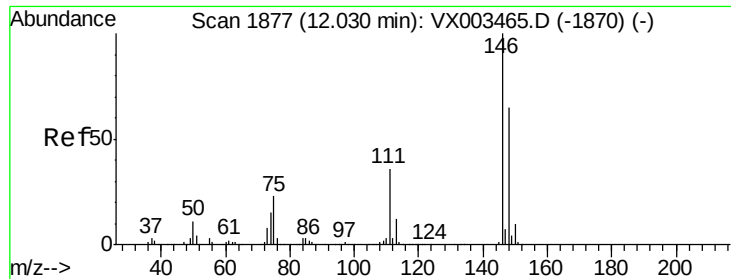


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





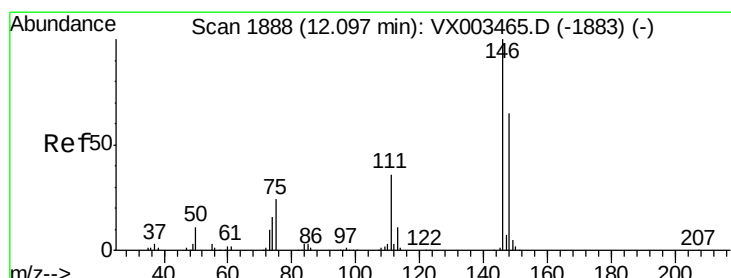
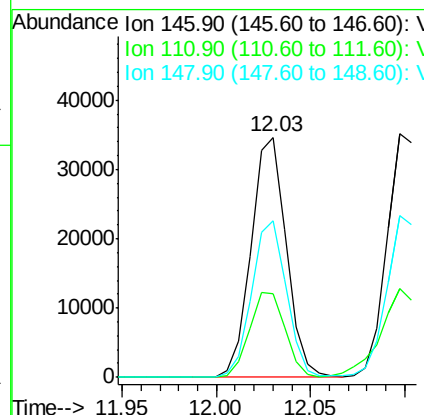
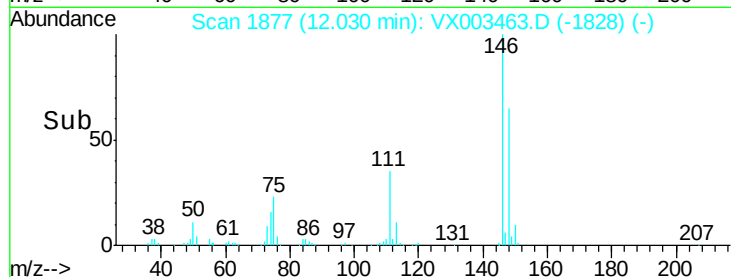
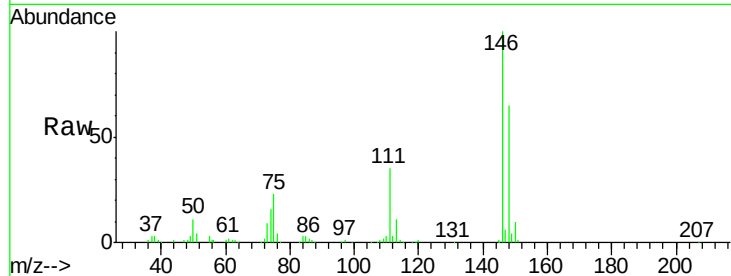
#87
 1,3-Dichlorobenzene
 Concen: 5.38 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.7
148	64.6	32.1	96.3

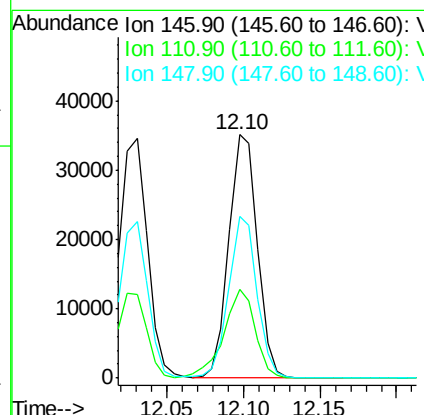
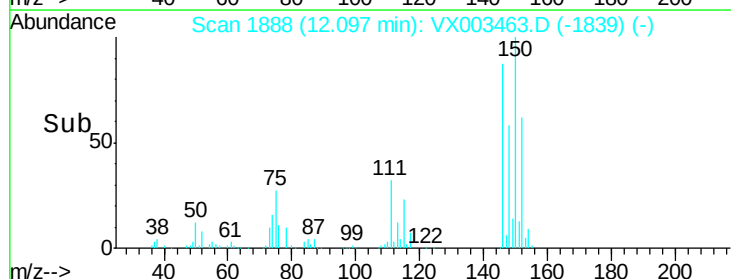
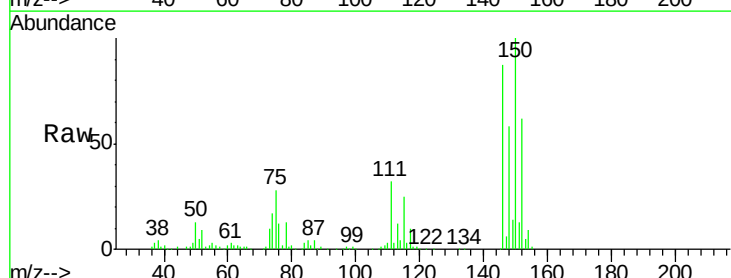
Manual Integrations
 APPROVED

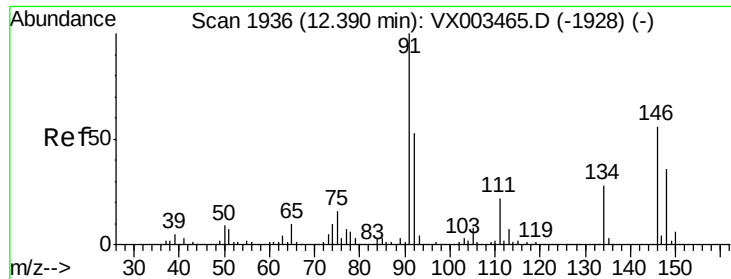
MMDadoda
 7/20/2018 5:22:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.37 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	18.7	56.1
148	66.2	32.4	97.0





#89

n-Butylbenzene

Concen: 4.37 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Instrument :

MSVOA_X

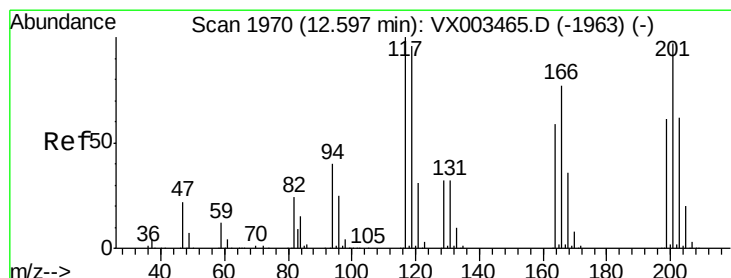
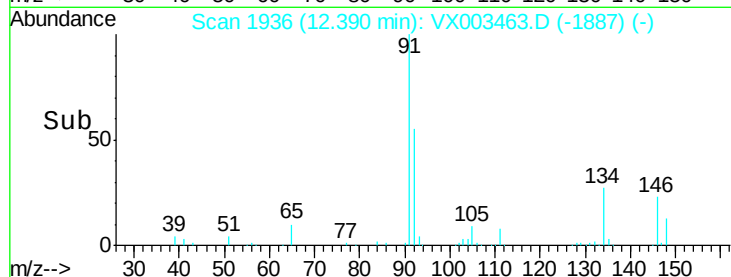
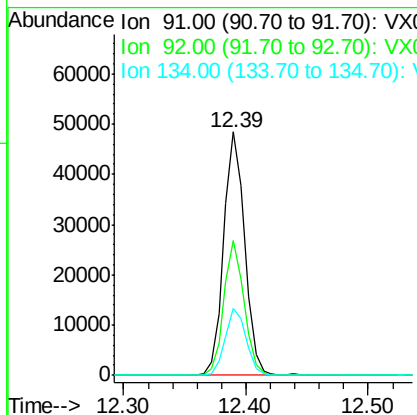
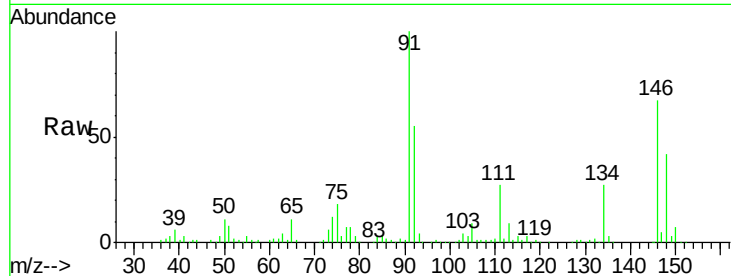
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	57614
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.0	78.0
134	27.3	13.5	40.5

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#90

Hexachloroethane

Concen: 4.58 ug/l

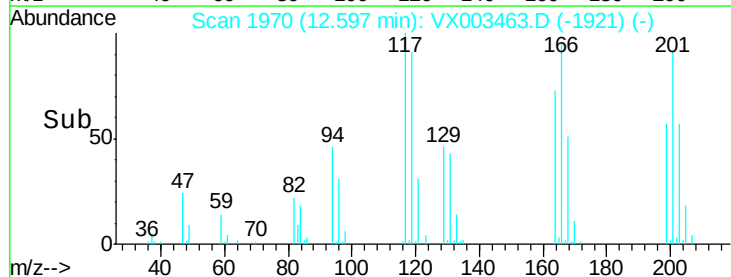
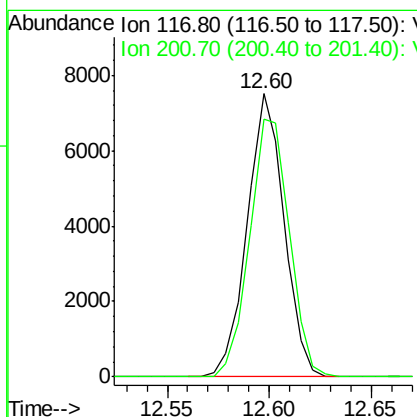
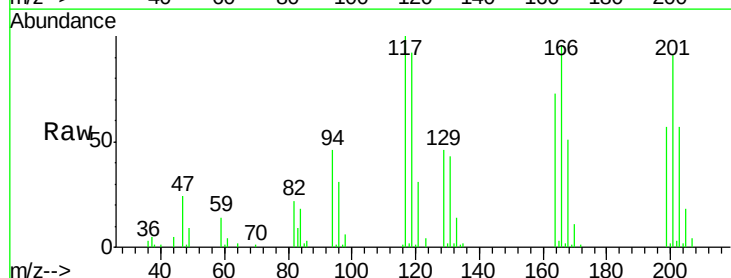
RT: 12.60 min Scan# 1970

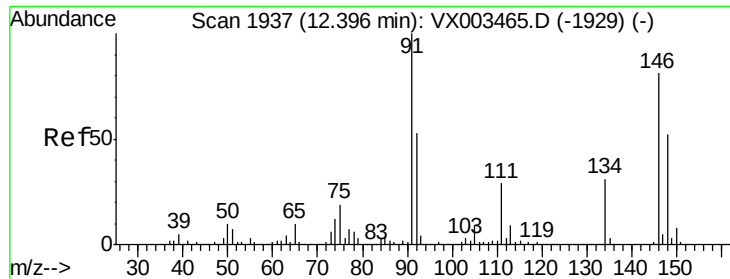
Delta R.T. -0.00 min

Lab File: VX003463.D

Acq: 19 Jul 2018 13:29

Tgt Ion:	117	Resp:	9439
Ion	Ratio	Lower	Upper
117	100		
201	98.1	49.0	147.0





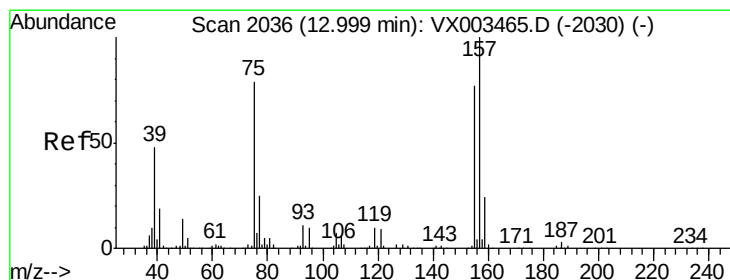
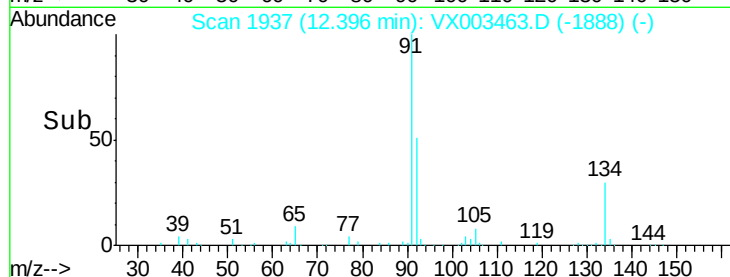
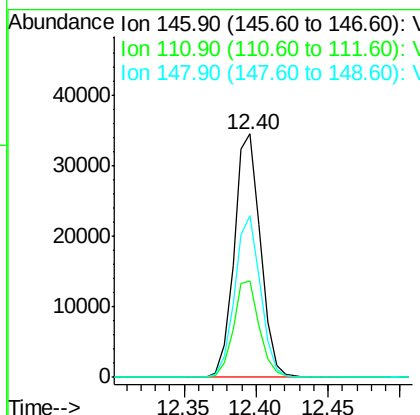
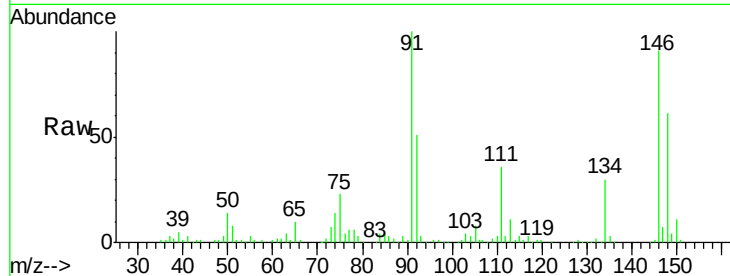
#91
 1,2-Dichlorobenzene
 Concen: 5.24 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	65.0	31.7	95.1

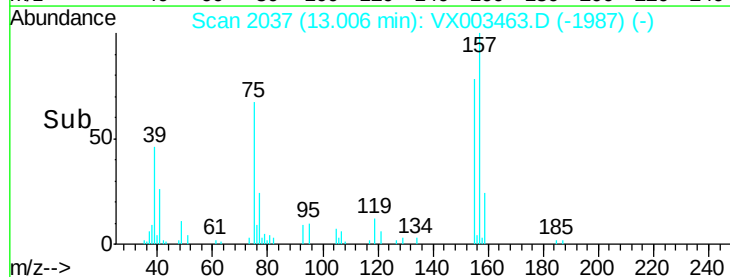
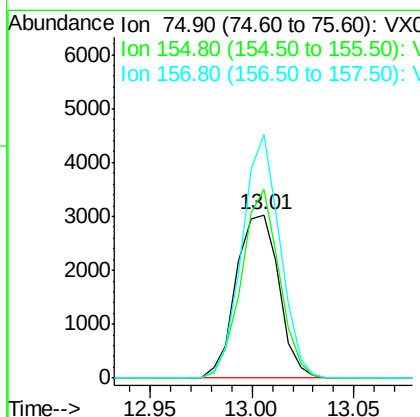
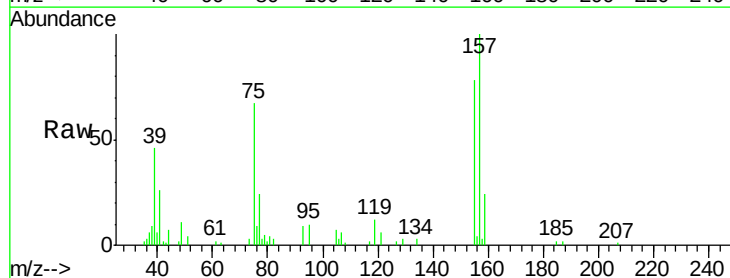
Manual Integrations
 APPROVED

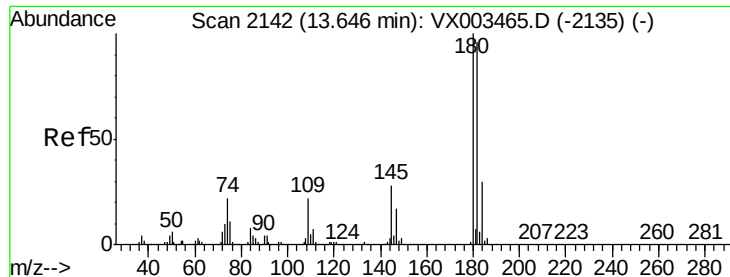
MMDadoda
 7/20/2018 5:22:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.37 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	45.8	137.4
157	132.2	60.1	180.3





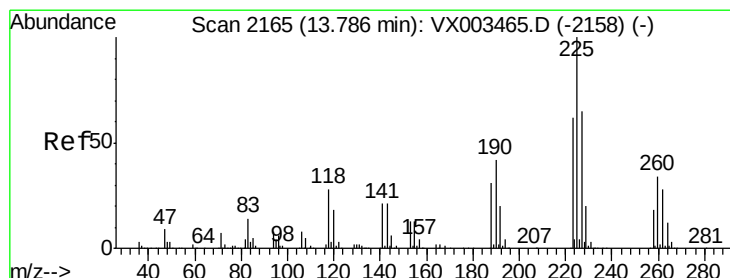
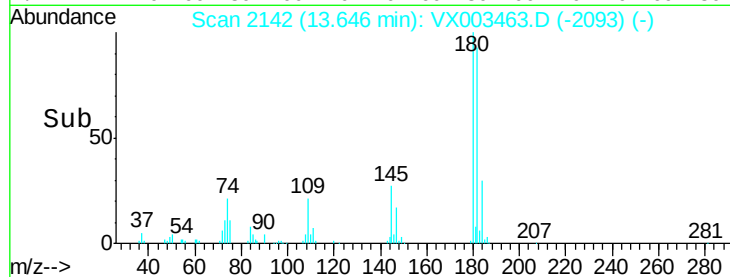
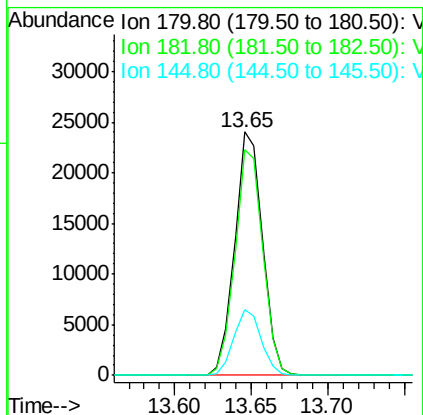
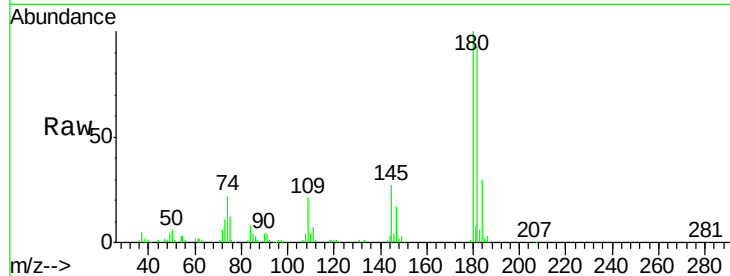
#93
 1,2,4-Trichlorobenzene
 Concen: 4.97 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.7	143.1
145	26.4	14.1	42.4

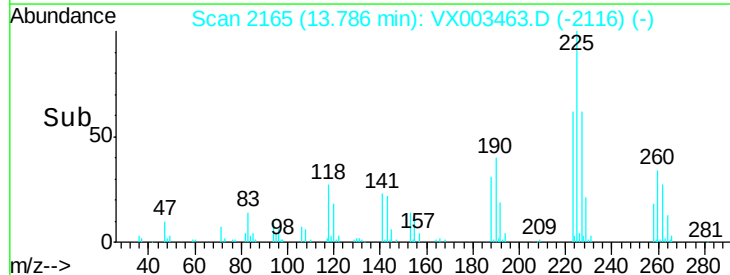
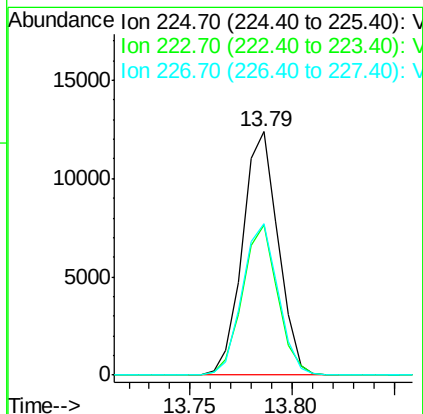
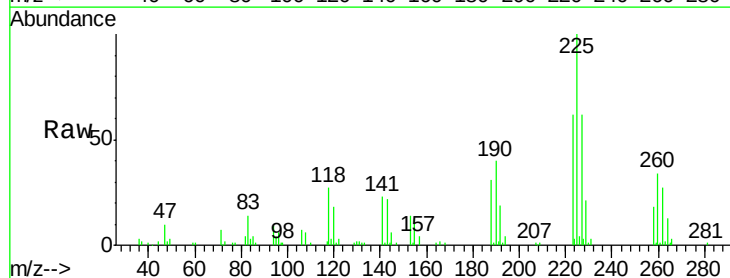
Manual Integrations
 APPROVED

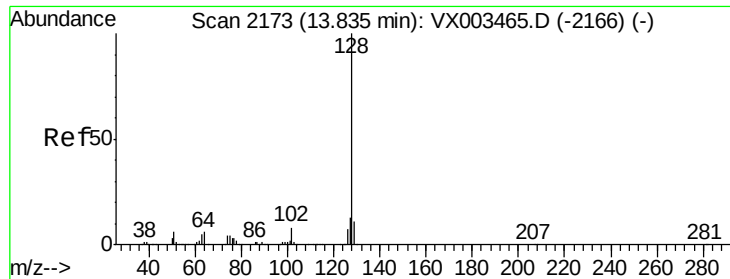
MMDadoda
 7/20/2018 5:22:07 PM



#94
 Hexachlorobutadiene
 Concen: 4.69 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003463.D
 Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.6	95.0
227	62.5	32.4	97.2





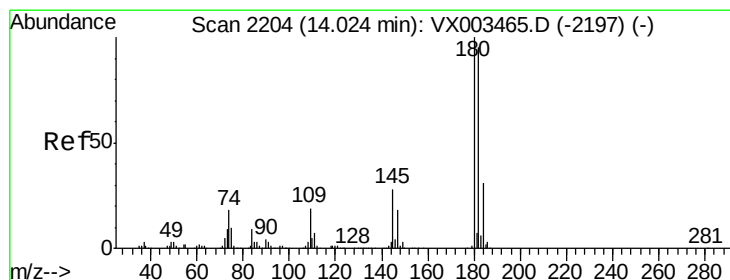
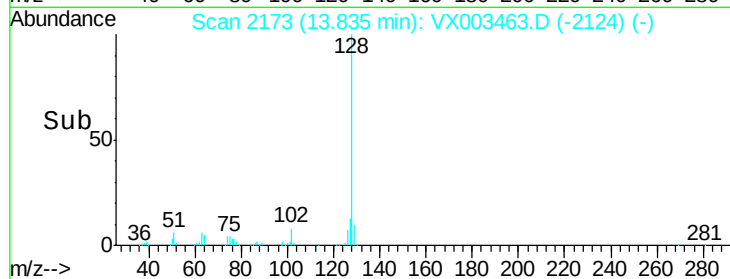
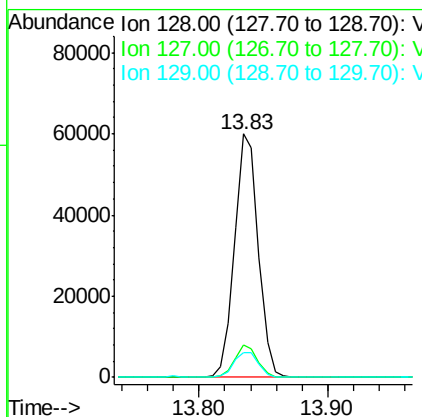
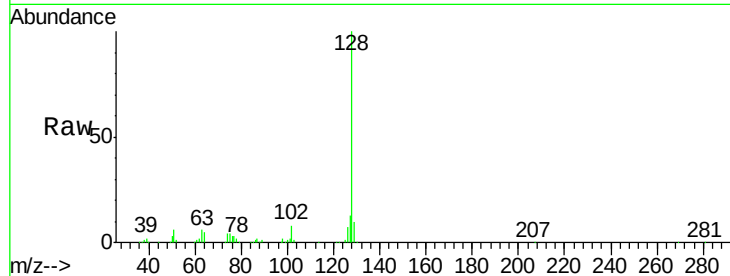
#95
Naphthalene
Concen: 4.71 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.95 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003463.D
Acq: 19 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.0
145	29.6	14.8	44.3

