

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003593.D
 Acq On : 23 Jul 2018 10:17
 Operator : JC/SP
 Sample : VX0723WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:22 PM

Quant Time: Jul 24 06:47:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	292519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	171570	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	5.50	113	153469	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	8.72	98	587855	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.14	95	213677	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44209	18.584	ug/l	99
3) Chloromethane	1.32	50	55593	18.576	ug/l	98
4) Vinyl Chloride	1.40	62	61742	16.615	ug/l	98
5) Bromomethane	1.64	94	34022	21.606	ug/l	99
6) Chloroethane	1.72	64	39754	18.079	ug/l	100
7) Trichlorofluoromethane	1.93	101	92566	18.671	ug/l	98
8) Diethyl Ether	2.19	74	38943	18.290	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59473	18.329	ug/l	97
10) Methyl Iodide	2.51	142	70976	18.208	ug/l	93
11) Tert butyl alcohol	3.07	59	67621	98.690	ug/l	99
12) 1,1-Dichloroethene	2.37	96	54408	18.211	ug/l	89
13) Acrolein	2.29	56	21172	68.389	ug/l	99
14) Allyl chloride	2.73	41	96595	18.264	ug/l	87
15) Acrylonitrile	3.15	53	162871	93.366	ug/l	98
16) Acetone	2.45	43	126763	96.919	ug/l #	88
17) Carbon Disulfide	2.57	76	140724	17.415	ug/l	100
18) Methyl Acetate	2.78	43	80331	19.482	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	188831	19.355	ug/l	100
20) Methylene Chloride	2.86	84	63148	19.212	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	60232	18.119	ug/l	90
22) Diisopropyl ether	3.87	45	193220	19.415	ug/l	95
23) Vinyl Acetate	3.82	43	769603	93.880	ug/l	96
24) 1,1-Dichloroethane	3.70	63	113687	19.470	ug/l	98
25) 2-Butanone	4.71	43	216485	98.651	ug/l	92
26) 2,2-Dichloropropane	4.59	77	87268	19.678	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	69725	18.838	ug/l	84
28) Bromochloromethane	5.02	49	49636	19.448	ug/l	85
29) Tetrahydrofuran	5.16	42	136689	94.292	ug/l	90
30) Chloroform	5.21	83	111765	19.602	ug/l	98
31) Cyclohexane	5.57	56	95114	18.231	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	95747	19.610	ug/l	97
36) 1,1-Dichloropropene	5.80	75	82634	19.619	ug/l	98
37) Ethyl Acetate	4.86	43	80748	20.259	ug/l	95
38) Carbon Tetrachloride	5.78	117	84477	20.447	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
 Data File : VX003593.D
 Acq On : 23 Jul 2018 10:17
 Operator : JC/SP
 Sample : VX0723WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0723WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:22 PM

Quant Time: Jul 24 06:47:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96169	19.277	ug/l	96
40) Benzene	6.14	78	256247	20.150	ug/l	99
41) Methacrylonitrile	5.06	41	45154	19.276	ug/l	91
42) 1,2-Dichloroethane	6.20	62	84654	21.128	ug/l	95
43) Isopropyl Acetate	6.46	43	129584	20.439	ug/l	94
44) Trichloroethene	7.21	130	76949	20.290	ug/l	100
45) 1,2-Dichloropropane	7.52	63	67061	20.768	ug/l	100
46) Dibromomethane	7.67	93	42561	20.473	ug/l	95
47) Bromodichloromethane	7.90	83	80593	21.176	ug/l	100
48) Methyl methacrylate	7.78	41	65382	20.449	ug/l	85
49) 1,4-Dioxane	7.76	88	29365	405.345	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	424835	106.065	ug/l	93
52) Toluene	8.79	92	164159	20.508	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	97902	20.900	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	87407	20.749	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	66055	20.738	ug/l	98
56) Ethyl methacrylate	9.18	69	89819	20.020	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	106303	20.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	216404	99.197	ug/l	97
59) 2-Hexanone	9.50	43	316240	106.561	ug/l	90
60) Dibromochloromethane	9.59	129	65075	20.640	ug/l	99
61) 1,2-Dibromoethane	9.68	107	68211	20.658	ug/l	100
64) Tetrachloroethene	9.34	164	90855	19.986	ug/l	97
65) Chlorobenzene	10.14	112	189545	19.717	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	66616	20.141	ug/l	99
67) Ethyl Benzene	10.26	91	306528	19.831	ug/l	99
68) m/p-Xylenes	10.36	106	243964	40.260	ug/l	96
69) o-Xylene	10.70	106	114784	19.589	ug/l	96
70) Styrene	10.71	104	193902	20.117	ug/l	97
71) Bromoform	10.86	173	50290	19.569	ug/l #	99
73) Isopropylbenzene	11.02	105	313869	19.528	ug/l	100
74) N-amyl acetate	6.46	43	129584	18.987	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	89356	18.971	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	84625m	20.269	ug/l	
77) Bromobenzene	11.26	156	88308	19.102	ug/l	97
78) n-propylbenzene	11.36	91	358502	20.065	ug/l	99
79) 2-Chlorotoluene	11.42	91	212458	19.588	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	263142	19.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24628	18.328	ug/l	93
82) 4-Chlorotoluene	11.51	91	249597	19.639	ug/l	98
83) tert-Butylbenzene	11.77	119	249829	19.312	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	267887	19.930	ug/l	97
85) sec-Butylbenzene	11.95	105	311900	19.850	ug/l	99
86) p-Isopropyltoluene	12.07	119	281346	19.952	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	161892	19.051	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	163631	18.693	ug/l	99
89) n-Butylbenzene	12.39	91	235987	19.708	ug/l	100
90) Hexachloroethane	12.60	117	37530	18.722	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	161628	19.298	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17117	18.674	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
Data File : VX003593.D
Acq On : 23 Jul 2018 10:17
Operator : JC/SP
Sample : VX0723WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

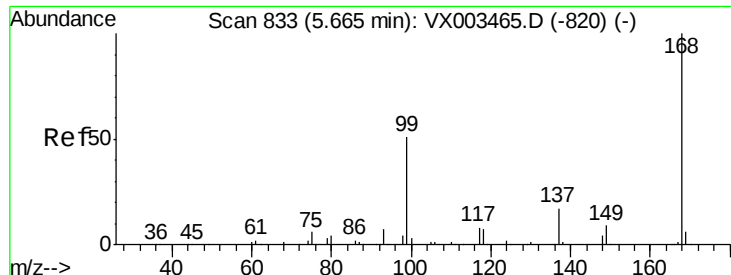
Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM

Quant Time: Jul 24 06:47:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114708	18.688	ug/l	100
94) Hexachlorobutadiene	13.79	225	56120	19.011	ug/l	99
95) Naphthalene	13.83	128	308327	19.116	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	114755	18.885	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion:168 Resp: 292519

Ion Ratio Lower Upper

168 100

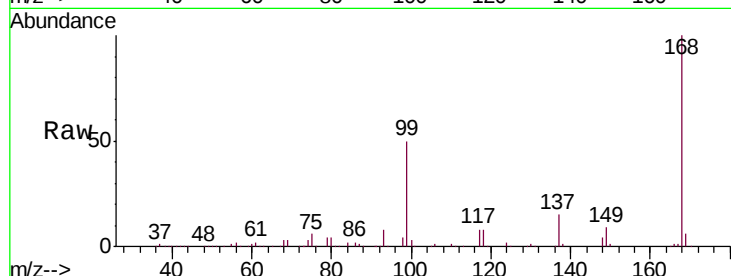
99 49.5 39.3 58.9

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

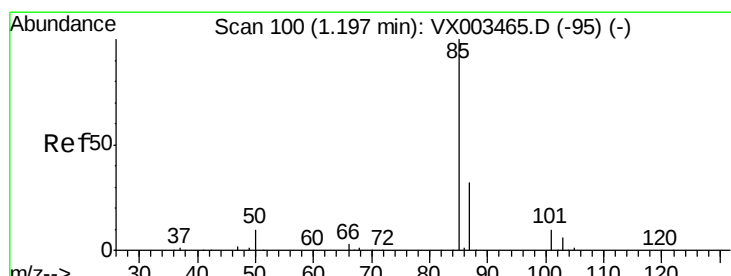
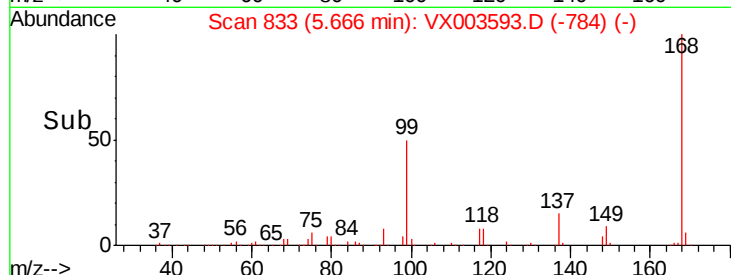
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.584 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003593.D

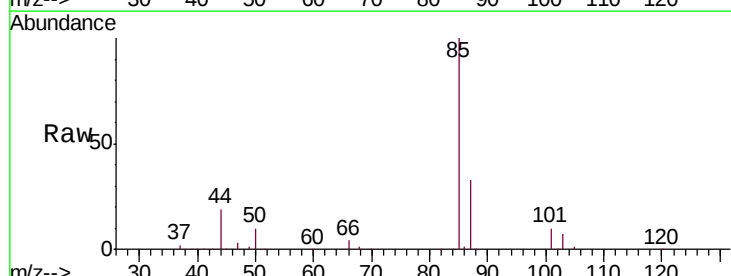
Acq: 23 Jul 2018 10:17

Tgt Ion: 85 Resp: 44209

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

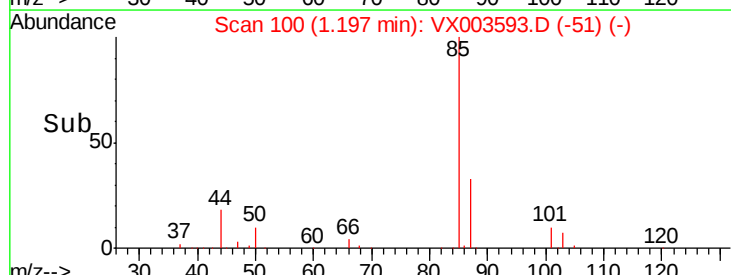
20000

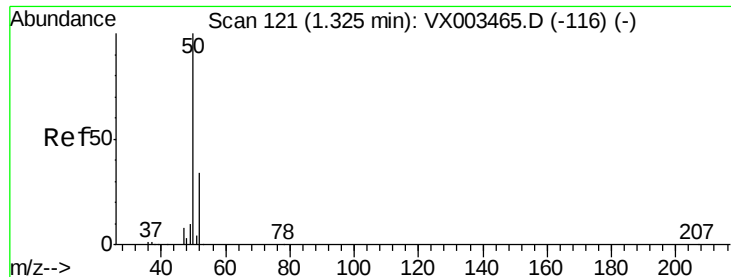
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.576 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion: 50 Resp: 55593

Ion Ratio Lower Upper

50 100

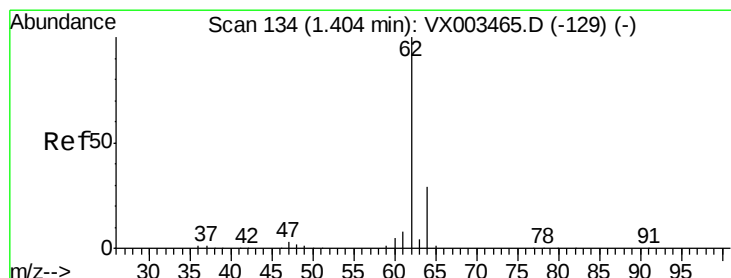
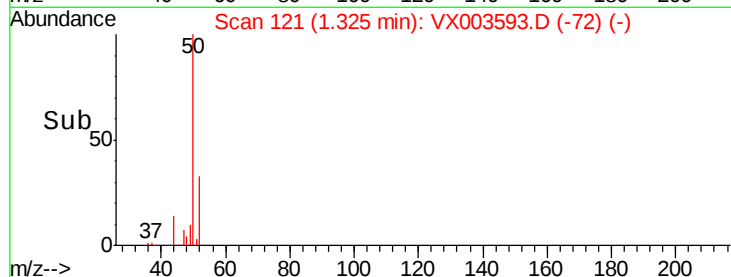
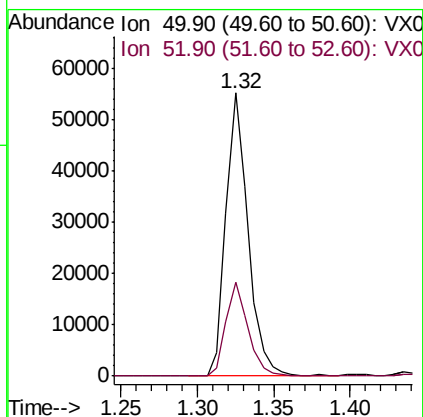
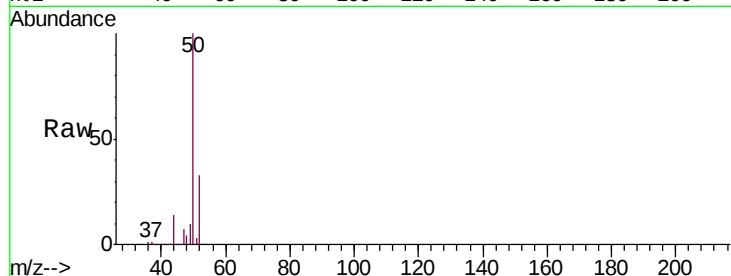
52 33.4 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



#4

Vinyl Chloride

Concen: 16.615 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003593.D

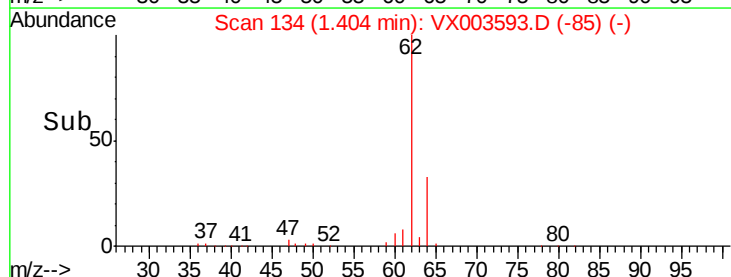
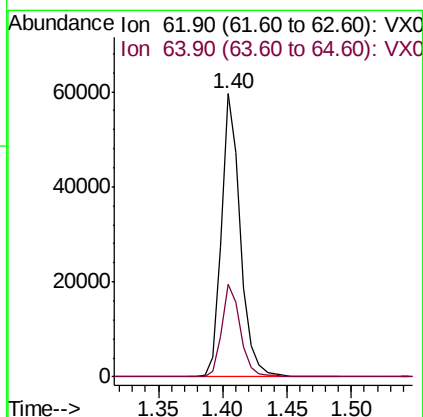
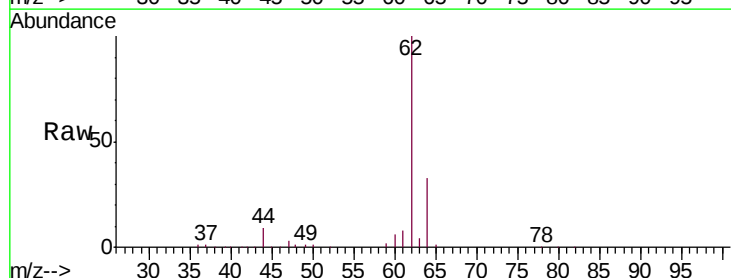
Acq: 23 Jul 2018 10:17

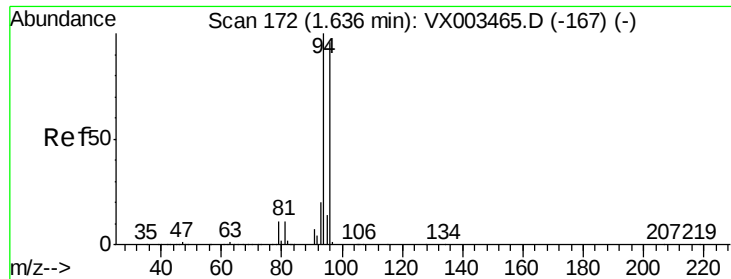
Tgt Ion: 62 Resp: 61742

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 21.606 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion: 94 Resp: 34022

Ion Ratio Lower Upper

94 100

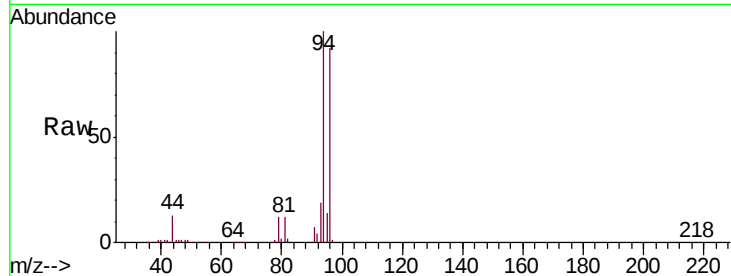
96 92.5 74.9 112.3

Manual Integrations

APPROVED

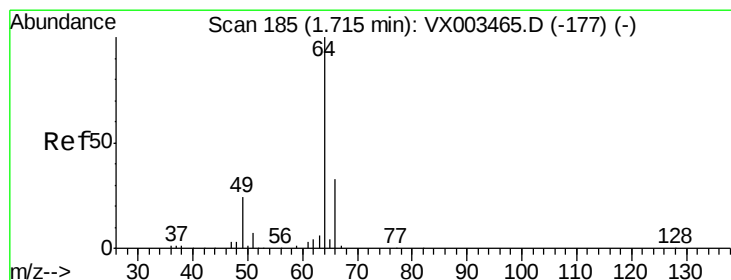
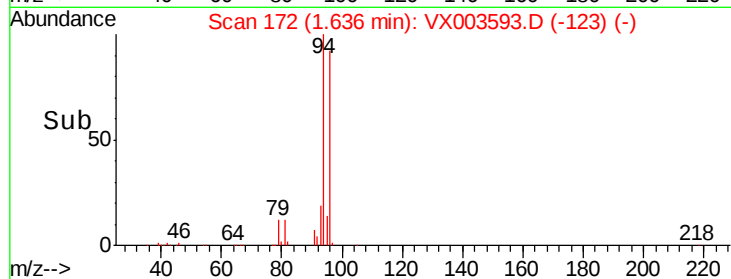
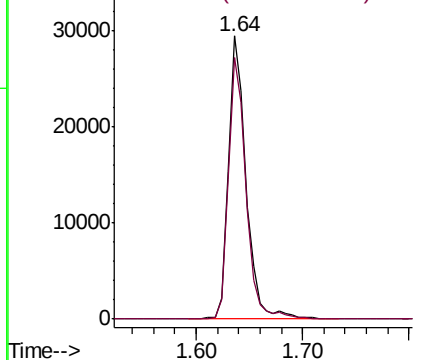
MMDadoda

7/24/2018 12:37:22 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.079 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003593.D

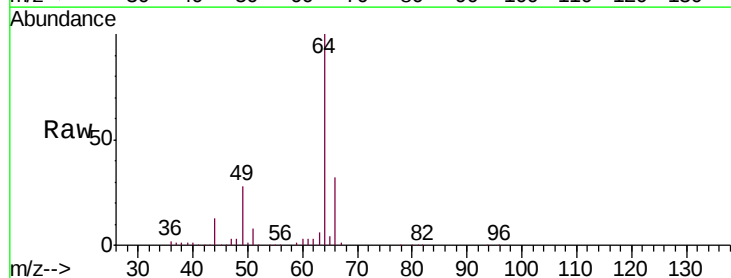
Acq: 23 Jul 2018 10:17

Tgt Ion: 64 Resp: 39754

Ion Ratio Lower Upper

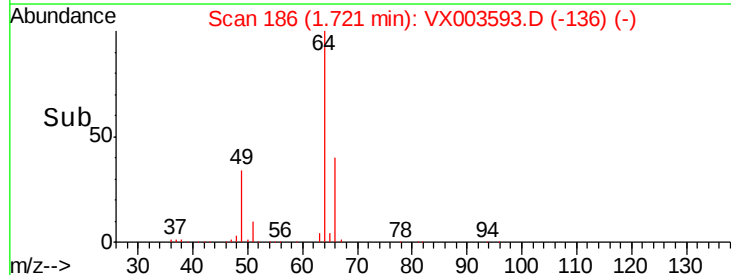
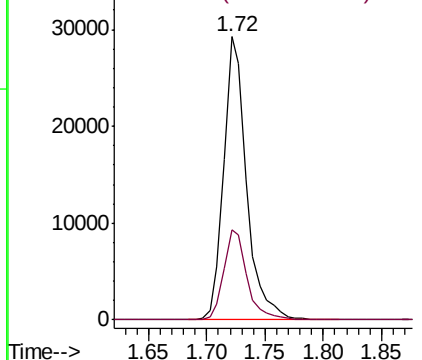
64 100

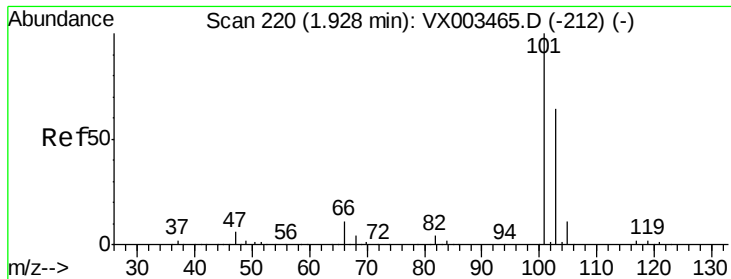
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

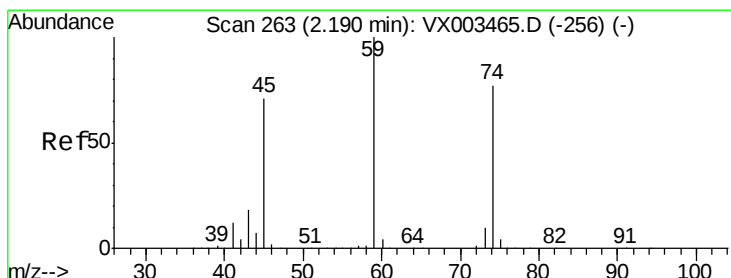
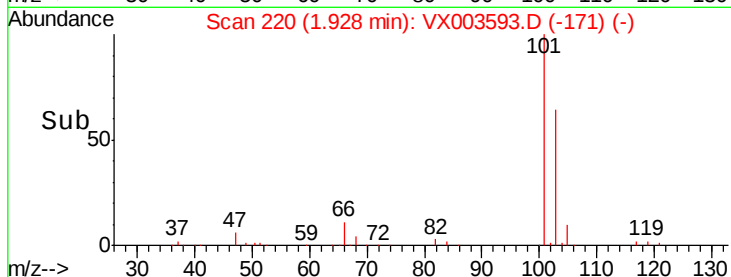
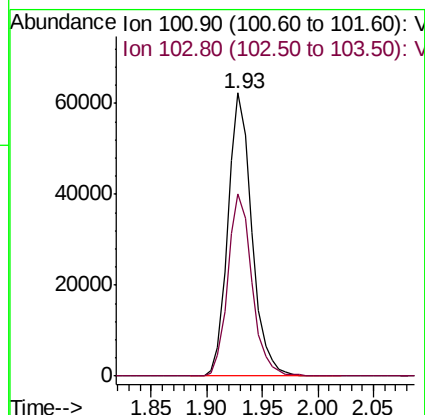
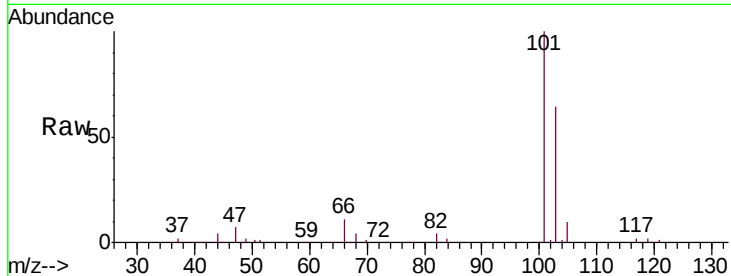
Trichlorofluoromethane
Concen: 18.671 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.8	79.2

Manual Integrations
APPROVED

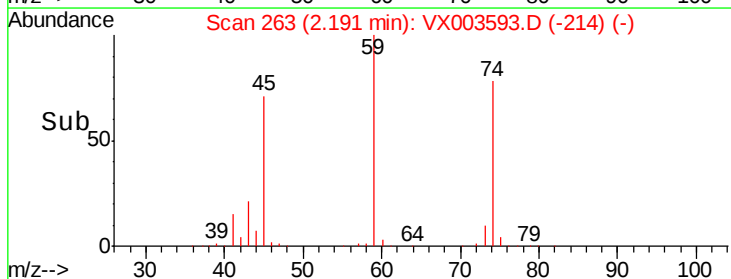
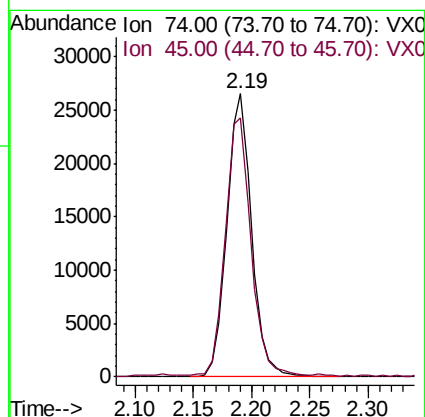
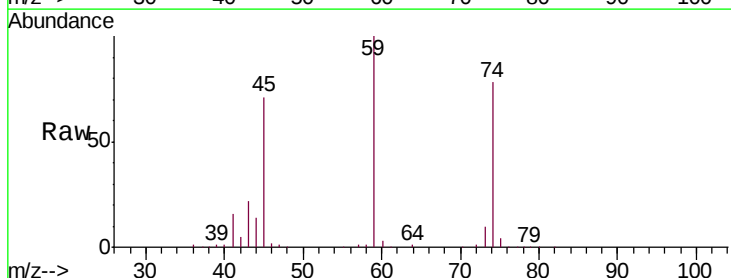
MMDadoda
7/24/2018 12:37:22 PM

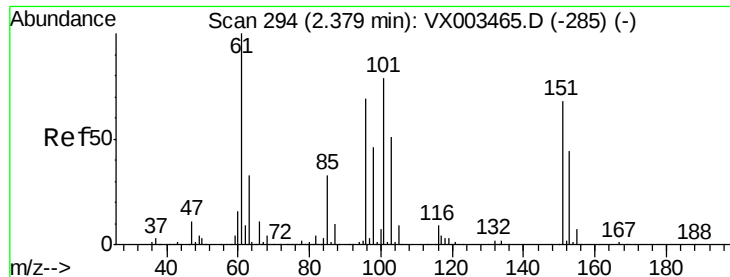


#8

Diethyl Ether
Concen: 18.290 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.329 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

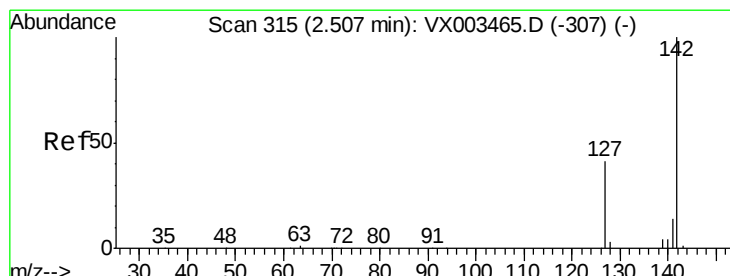
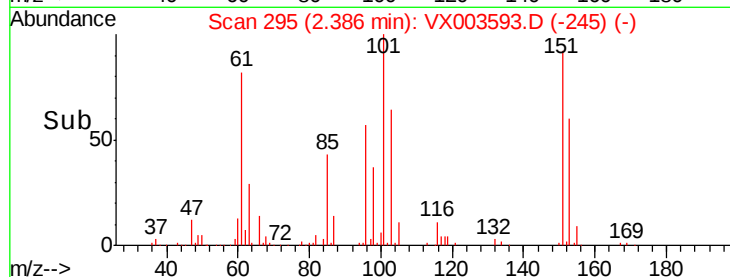
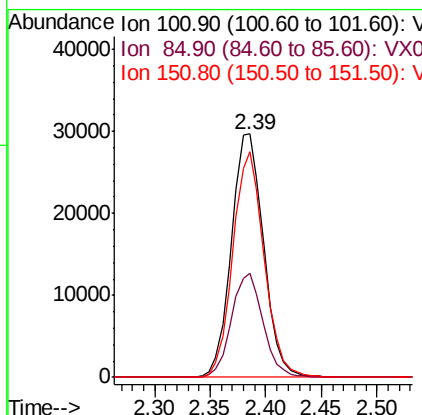
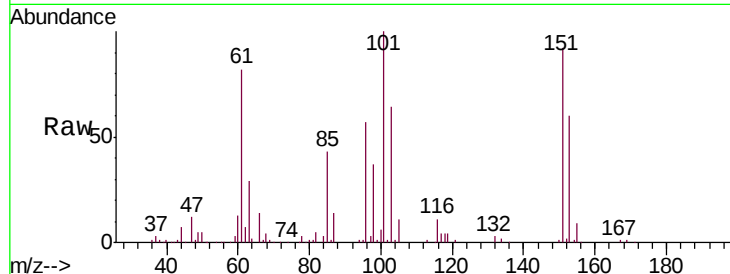
ClientSampleId :

VX0723WBS01

Tot Ion:	101	Resp:	59473
Ion Ratio	Lower	Upper	
101	100		
85	41.9	36.0	54.0
151	90.1	70.9	106.3

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#10

Methyl Iodide

Concen: 18.208 ug/l

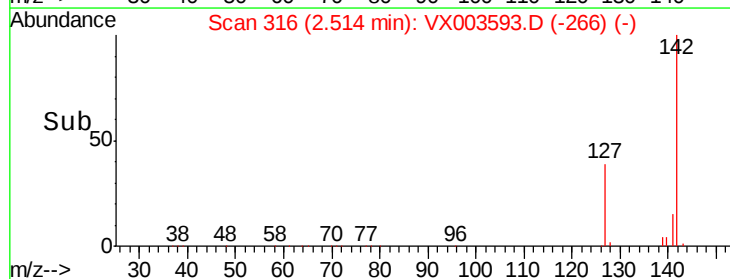
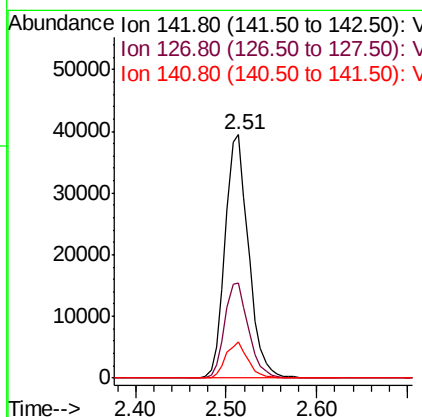
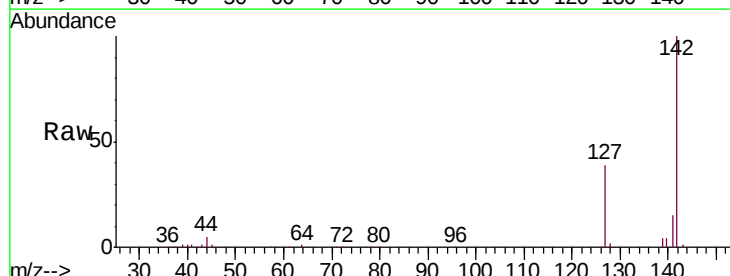
RT: 2.51 min Scan# 316

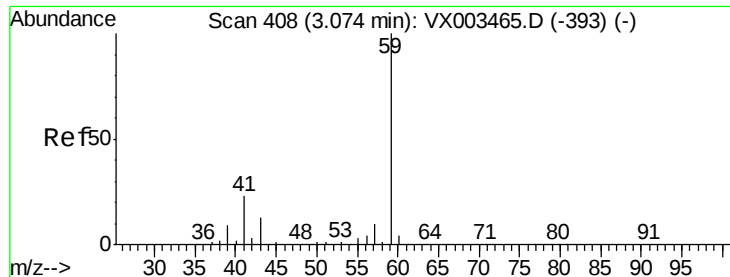
Delta R.T. 0.01 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion:	142	Resp:	70976
Ion Ratio	Lower	Upper	
142	100		
127	40.0	36.6	55.0
141	14.1	11.3	16.9





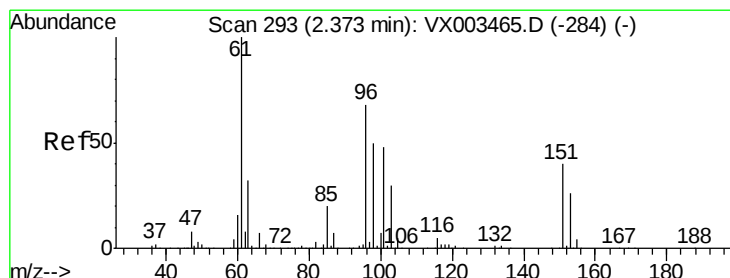
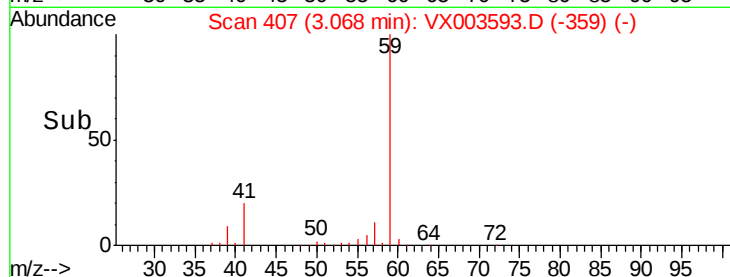
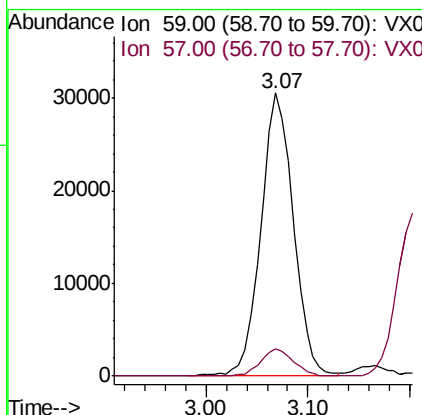
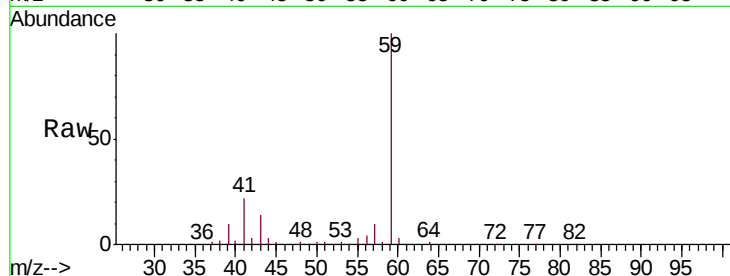
#11
Tert butyl alcohol
Concen: 98.690 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

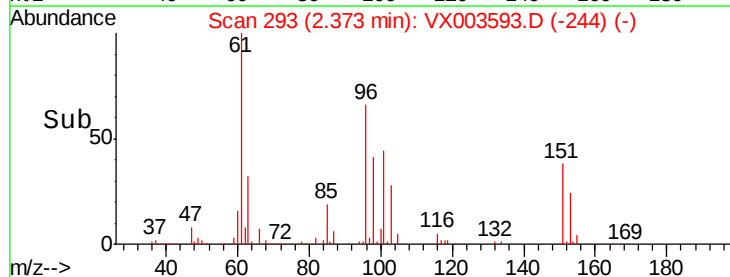
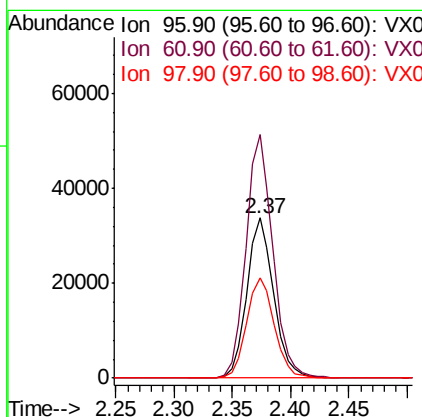
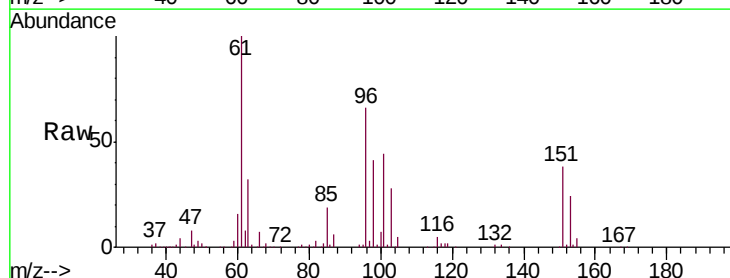
Manual Integrations
APPROVED

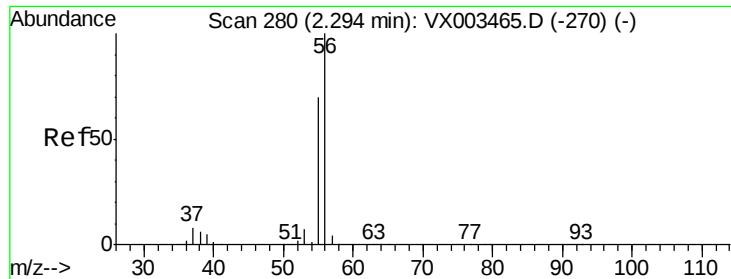
MMDadoda
7/24/2018 12:37:22 PM



#12
1,1-Dichloroethene
Concen: 18.211 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	137.9	206.9
98	62.8	51.6	77.4





#13

Acrolein

Concen: 68.389 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampled :

VX0723WBS01

Tot Ion: 56 Resp: 21172

Ion Ratio Lower Upper

56 100

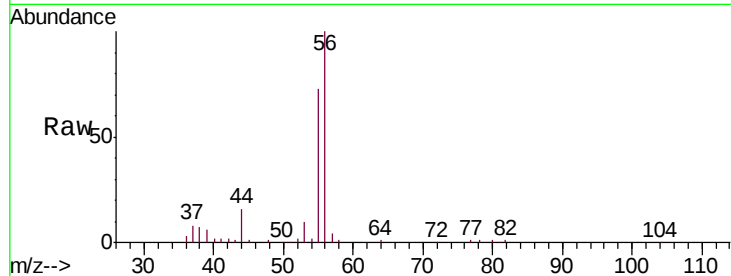
55 72.4 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

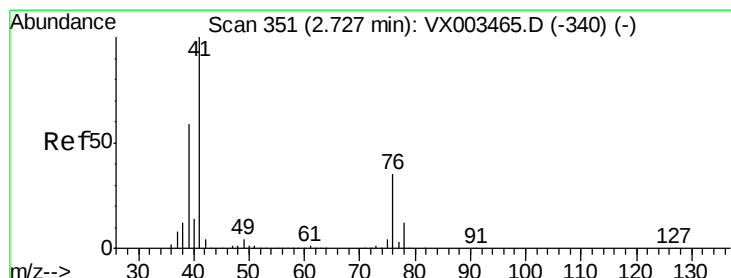
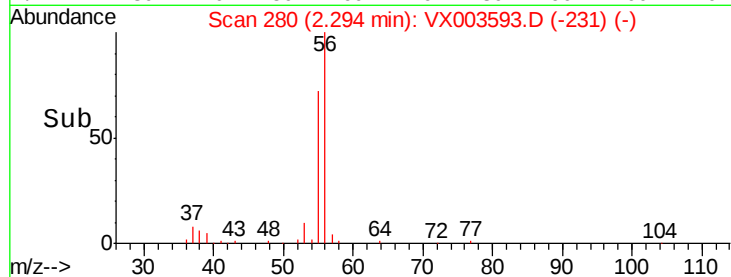
10000

5000

0

2.20 2.25 2.30 2.35

Time-->



#14

Allyl chloride

Concen: 18.264 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

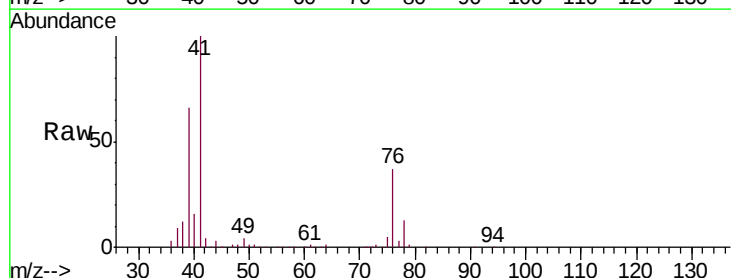
Tgt Ion: 41 Resp: 96595

Ion Ratio Lower Upper

41 100

39 59.2 56.8 85.2

76 34.3 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

120000

100000

80000

60000

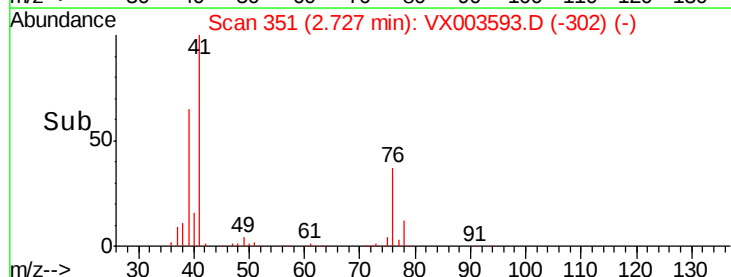
40000

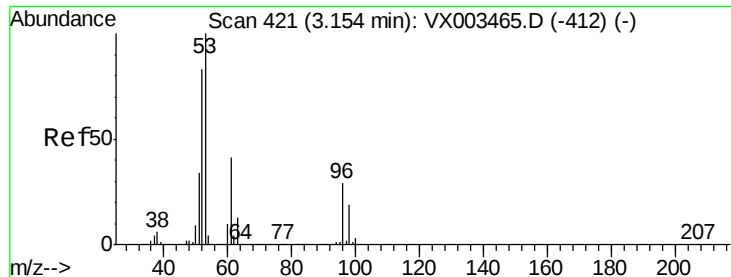
20000

0

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 93.366 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

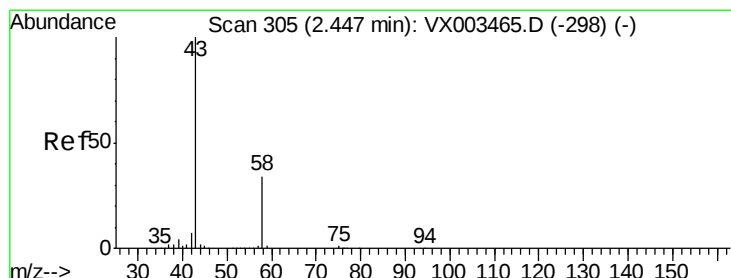
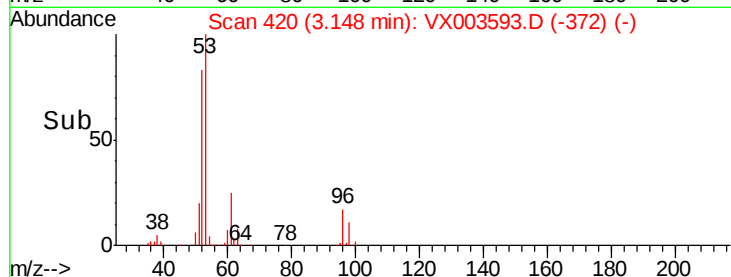
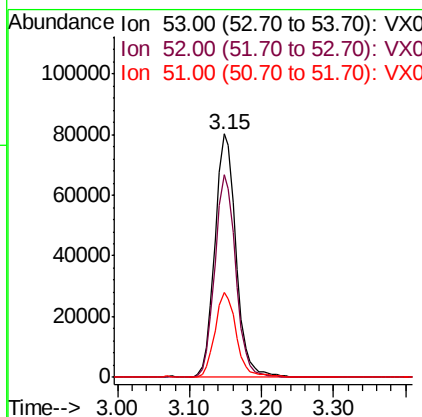
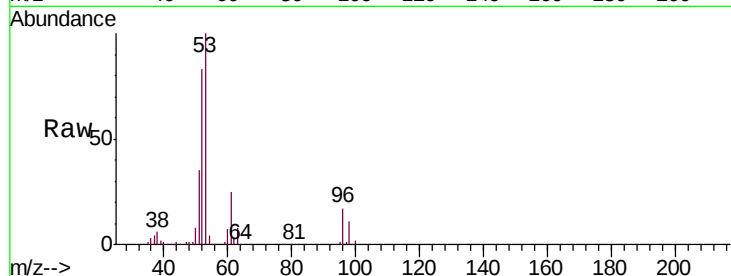
ClientSampleId :

VX0723WBS01

Tot Ion:	53	Resp:	162871
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.7	100.1
51	35.3	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#16

Acetone

Concen: 96.919 ug/l

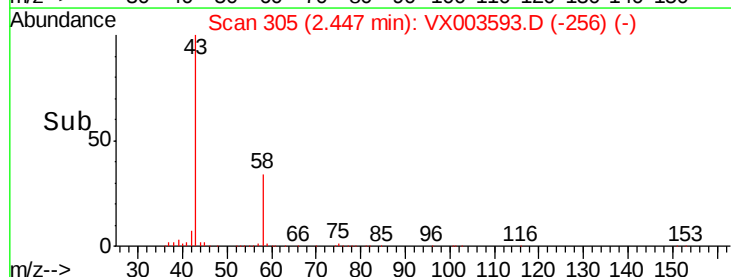
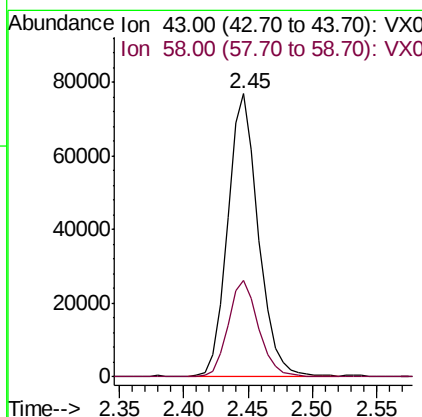
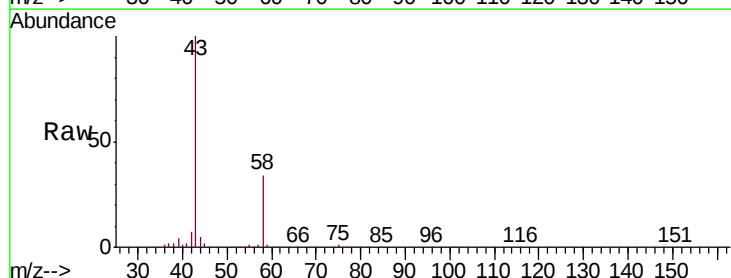
RT: 2.45 min Scan# 305

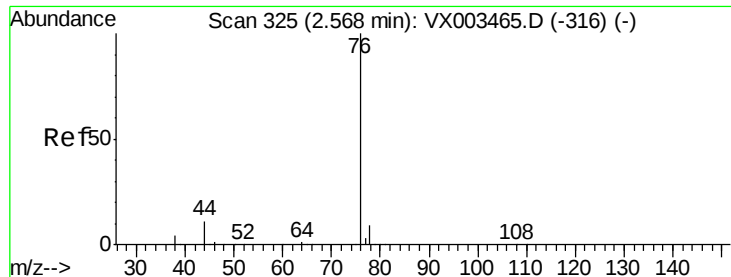
Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion:	43	Resp:	126763
Ion	Ratio	Lower	Upper
43	100		
58	34.0	22.1	33.1#





#17

Carbon Disulfide

Concen: 17.415 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion: 76 Resp: 140724

Ion Ratio Lower Upper

76 100

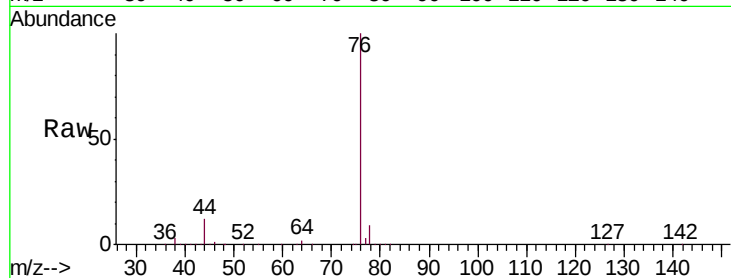
78 8.8 6.9 10.3

Manual Integrations

APPROVED

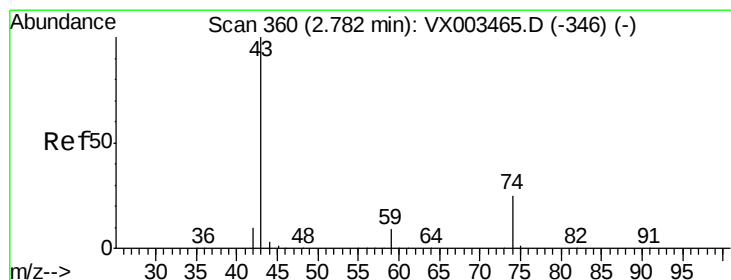
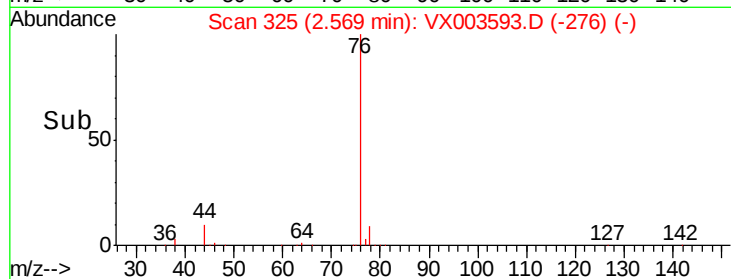
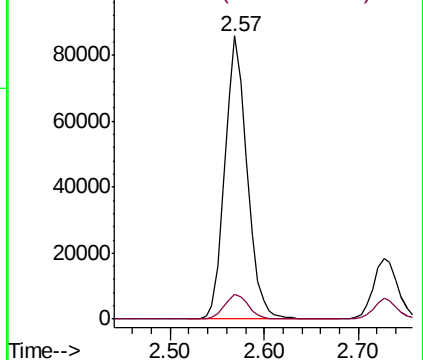
MMDadoda

7/24/2018 12:37:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.482 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003593.D

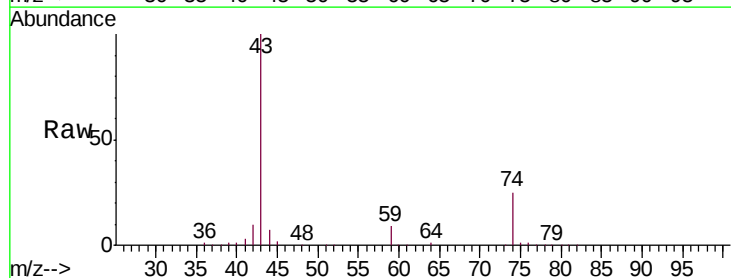
Acq: 23 Jul 2018 10:17

Tgt Ion: 43 Resp: 80331

Ion Ratio Lower Upper

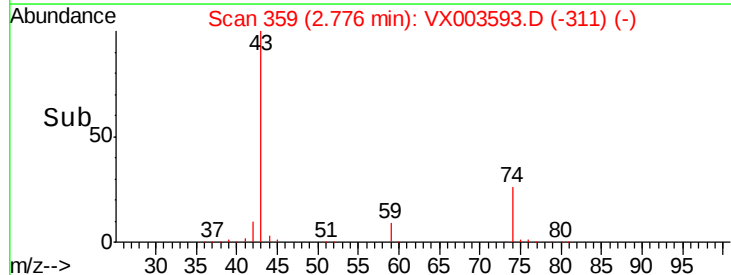
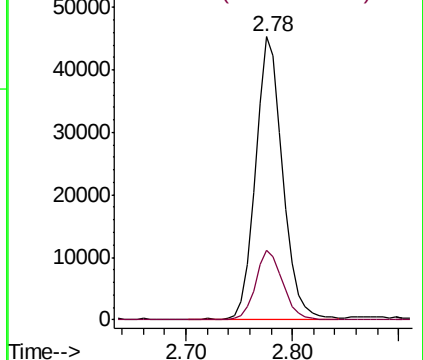
43 100

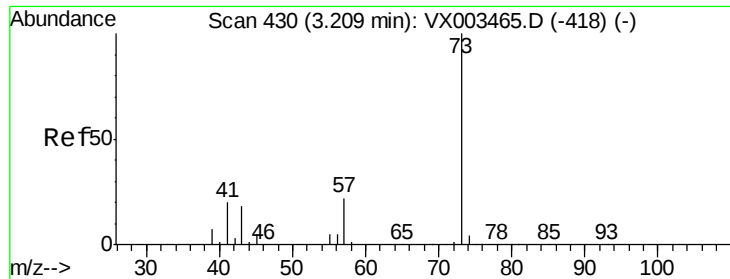
74 25.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

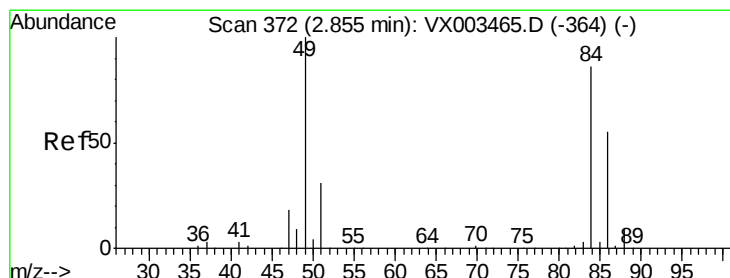
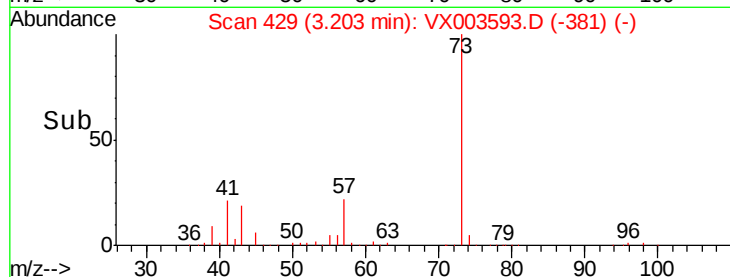
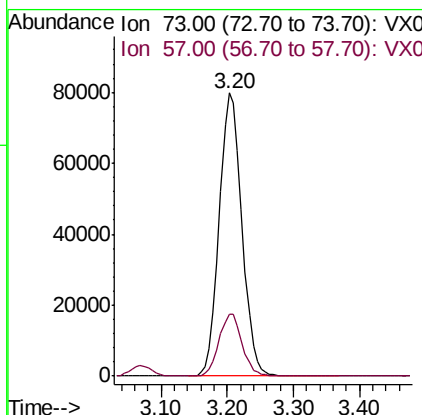
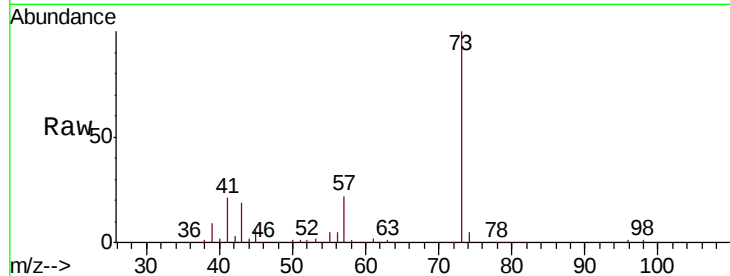
Methyl tert-butyl Ether
 Concen: 19.355 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	73	Resp	188831
Ion Ratio	Lower	Upper	
73	100		
57	22.0	17.7	26.5

Manual Integrations
 APPROVED

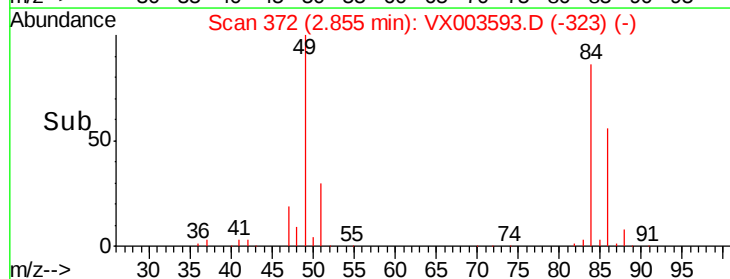
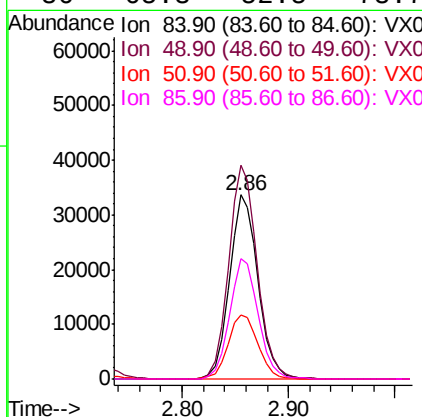
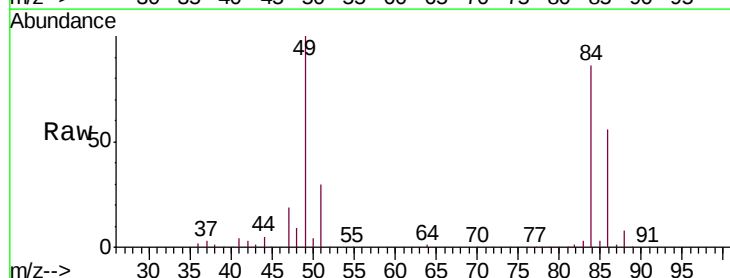
MMDadoda
 7/24/2018 12:37:22 PM

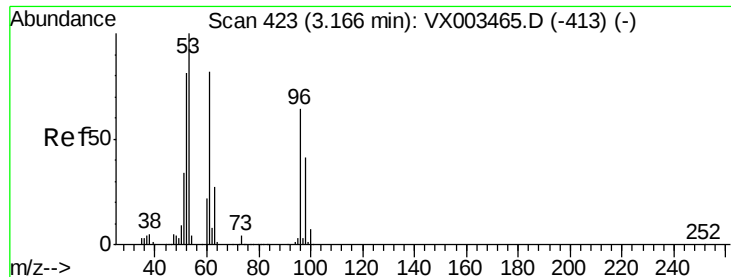


#20

Methylene Chloride
 Concen: 19.212 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	84	Resp	63148
Ion Ratio	Lower	Upper	
84	100		
49	116.0	107.8	161.6
51	34.6	32.8	49.2
86	65.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.119 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampled :

VX0723WBS01

Tot Ion: 96 Resp: 60232

Ion Ratio Lower Upper

96 100

61 131.7 117.0 175.4

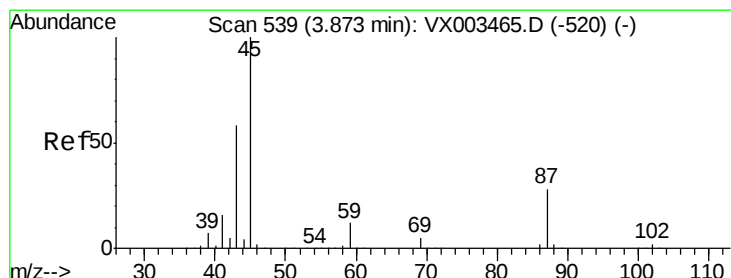
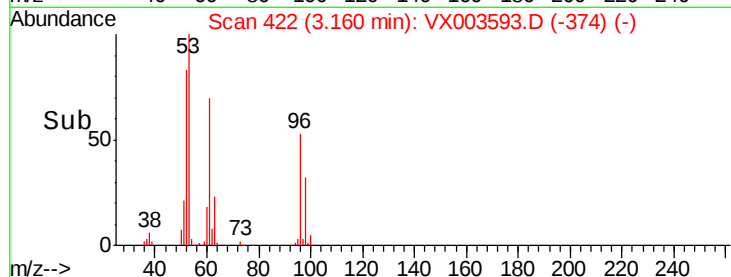
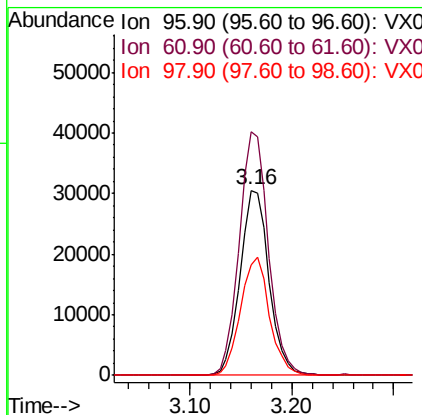
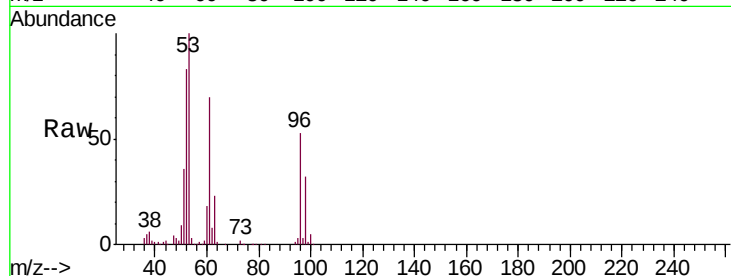
98 60.1 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



#22

Diisopropyl ether

Concen: 19.415 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion: 45 Resp: 193220

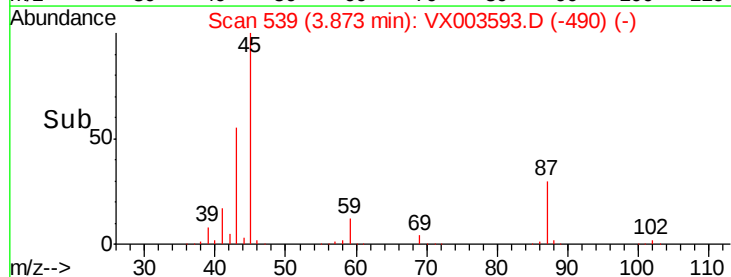
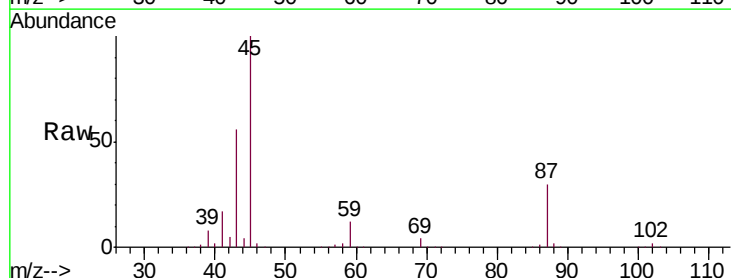
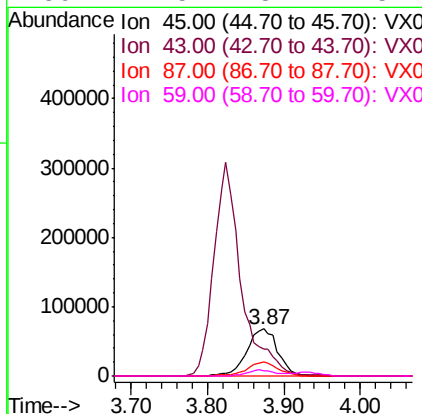
Ion Ratio Lower Upper

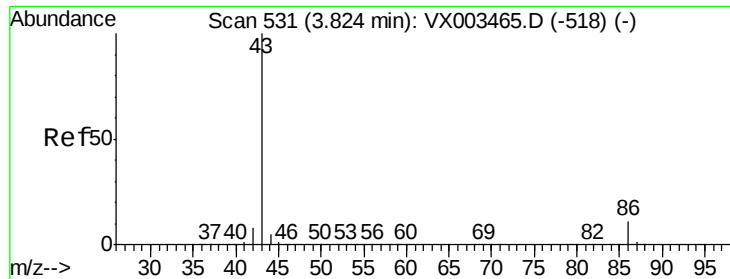
45 100

43 54.9 46.8 70.2

87 29.6 20.2 30.4

59 11.5 8.7 13.1





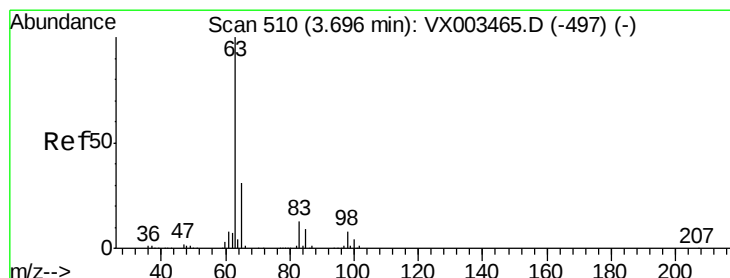
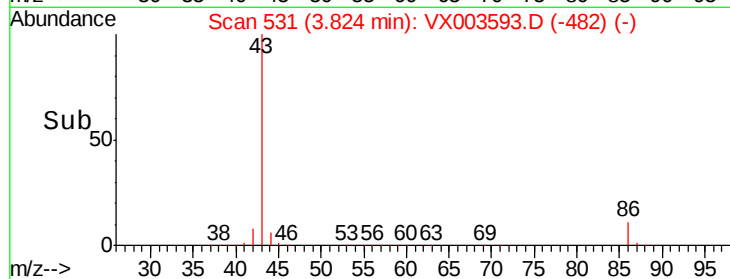
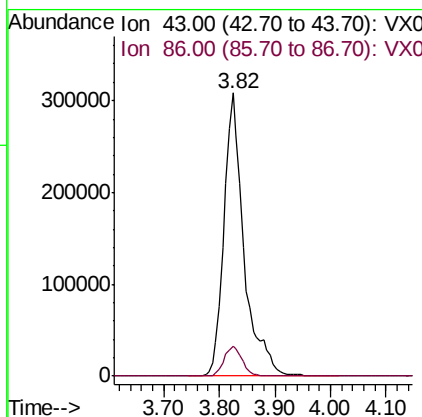
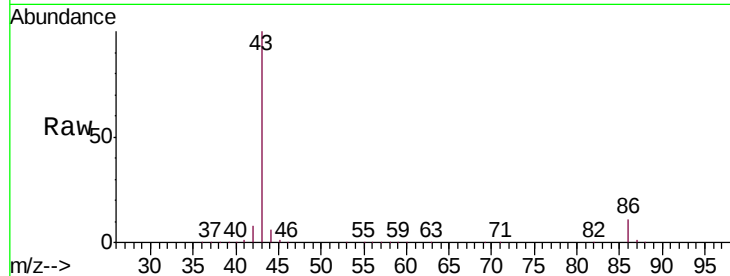
#23
 Vinyl Acetate
 Concen: 93.880 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	43	86	Ratio	Lower	Upper
769603	100	10.7		7.4	11.0

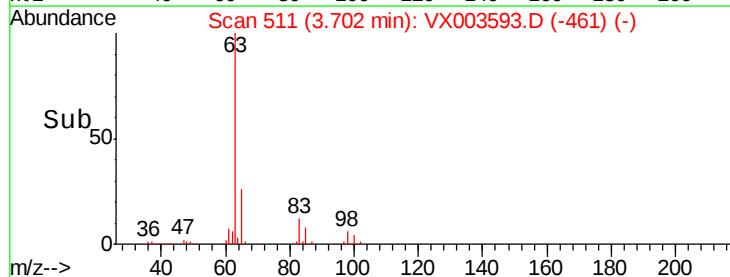
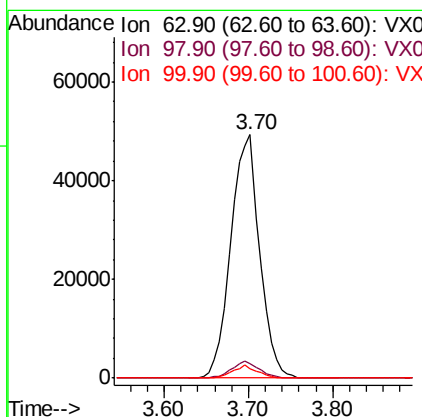
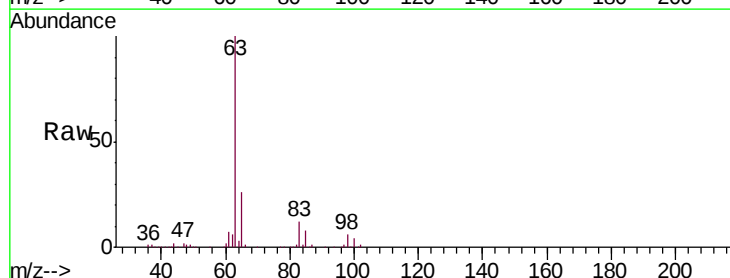
Manual Integrations
 APPROVED

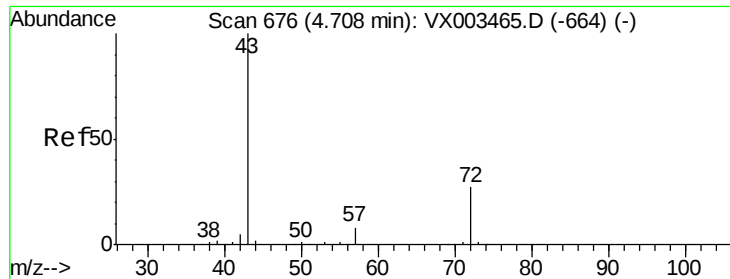
MMDadoda
 7/24/2018 12:37:22 PM



#24
 1,1-Dichloroethane
 Concen: 19.470 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	63	98	100	Ratio	Lower	Upper
113687	100	6.0	3.7		3.4	10.2





#25

2-Butanone

Concen: 98.651 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion: 43 Resp: 216485

Ion Ratio Lower Upper

43 100

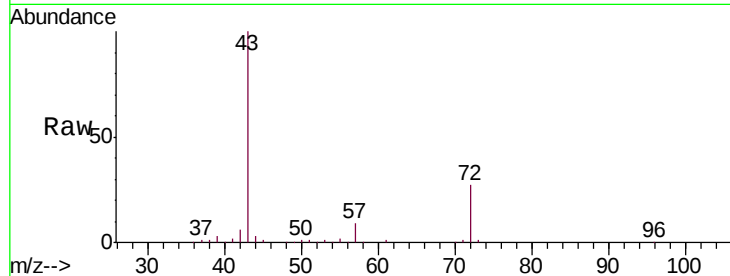
72 27.2 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

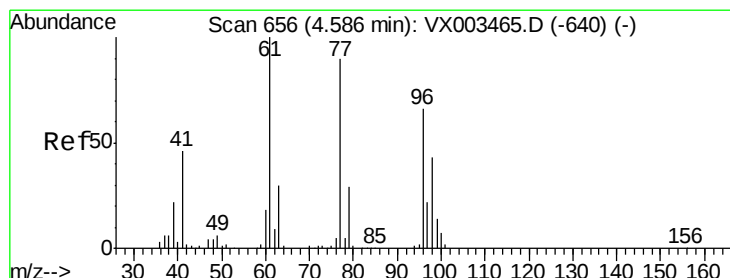
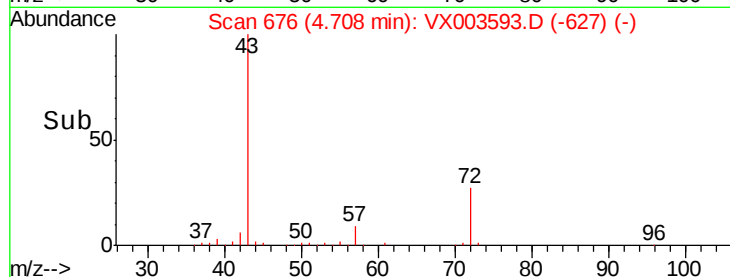
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 19.678 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003593.D

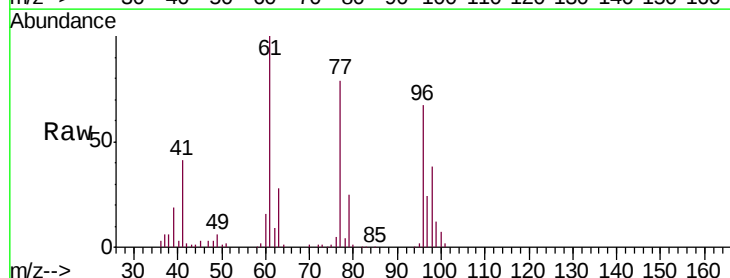
Acq: 23 Jul 2018 10:17

Tgt Ion: 77 Resp: 87268

Ion Ratio Lower Upper

77 100

97 25.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

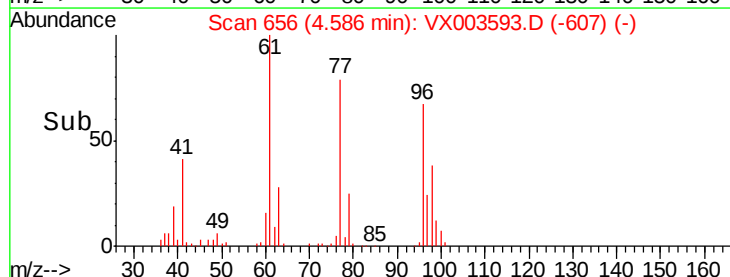
10000

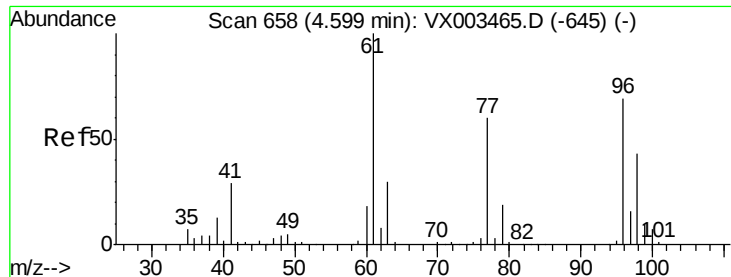
5000

0

Time-->

4.40 4.50 4.60 4.70





#27

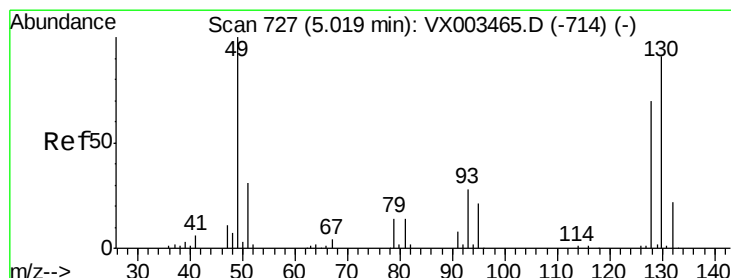
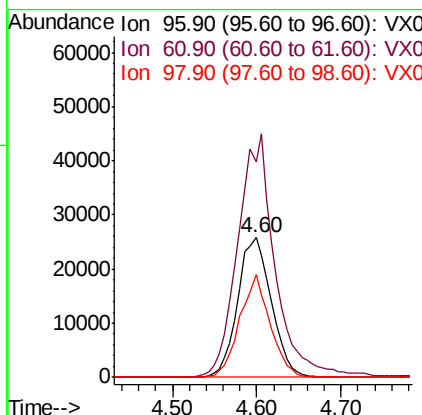
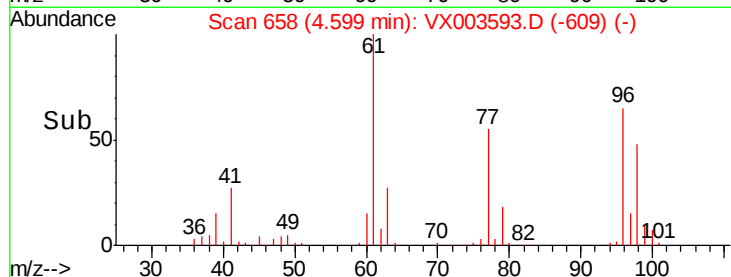
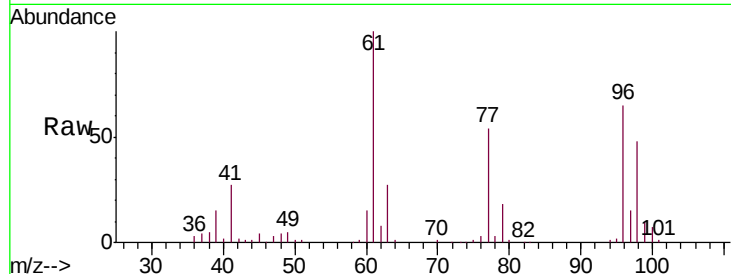
cis-1,2-Dichloroethene
Concen: 18.838 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	195.0	0.0	330.2
98	66.7	0.0	130.2

Manual Integrations
APPROVED

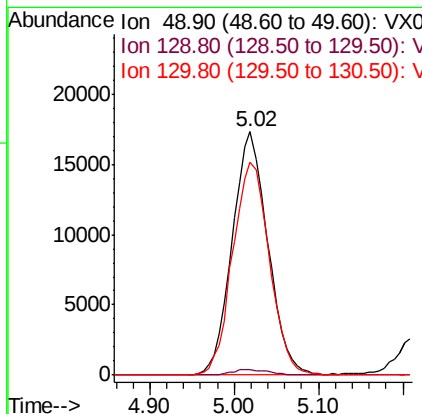
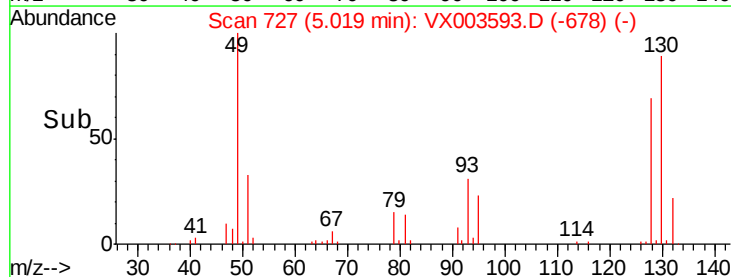
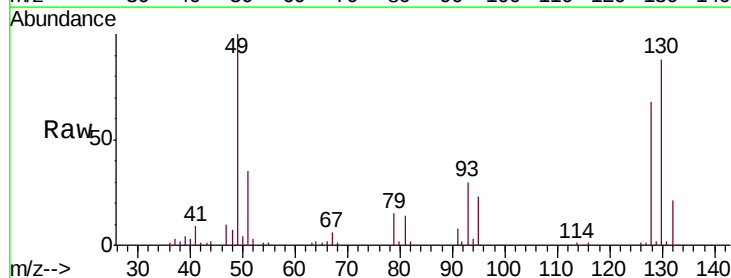
MMDadoda
7/24/2018 12:37:22 PM

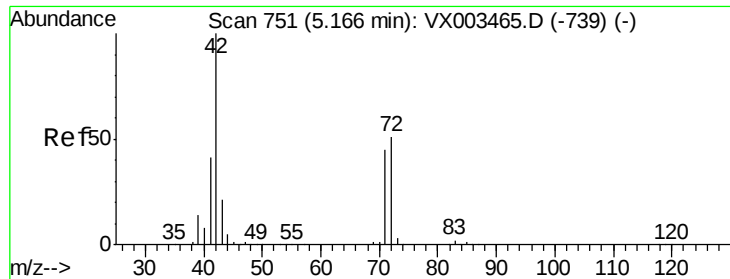


#28

Bromochloromethane
Concen: 19.448 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	90.0	61.2	91.8





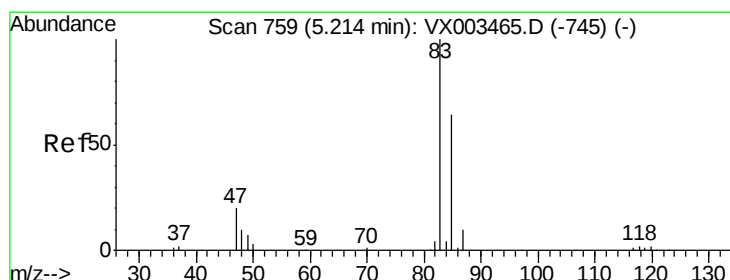
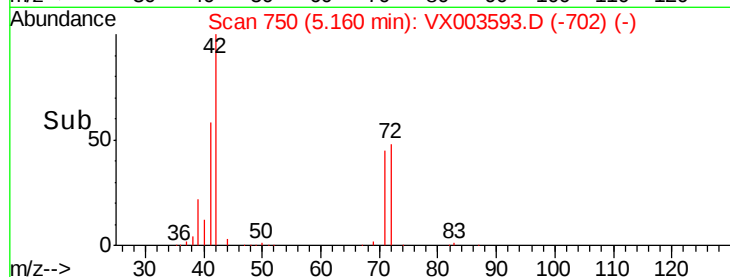
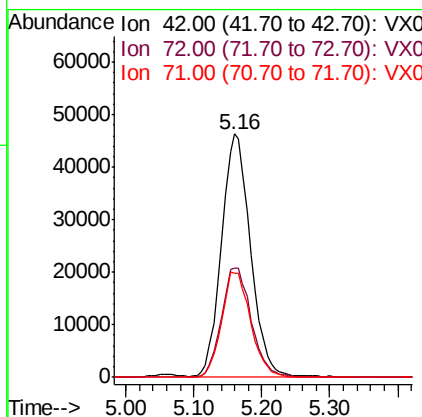
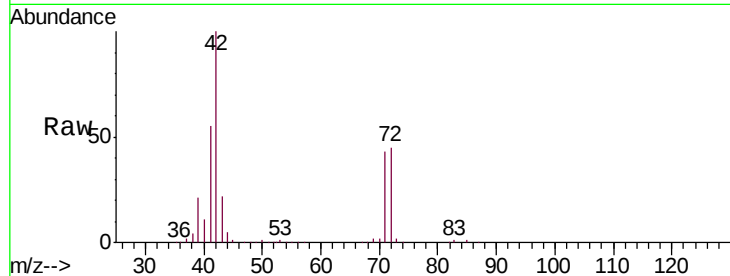
#29
Tetrahydrofuran
Concen: 94.292 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	32.0	48.0
71	43.2	30.1	45.1

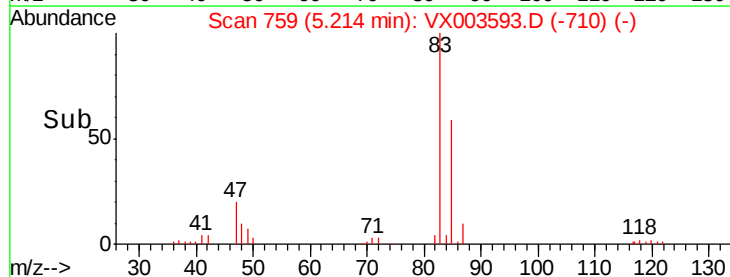
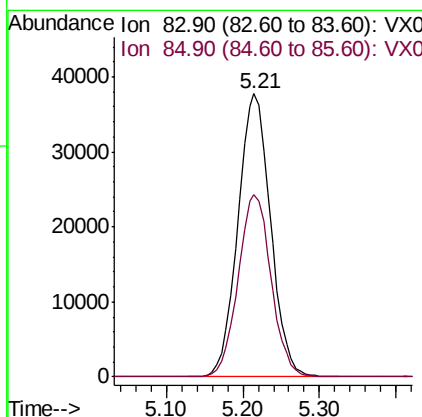
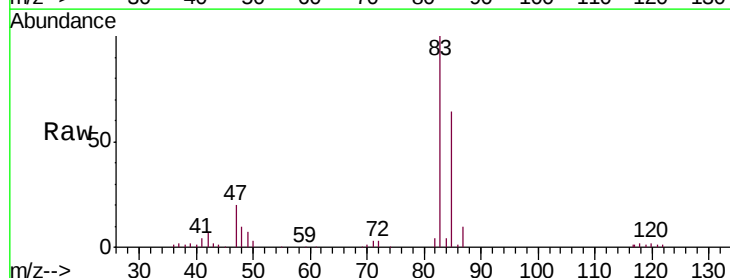
Manual Integrations
APPROVED

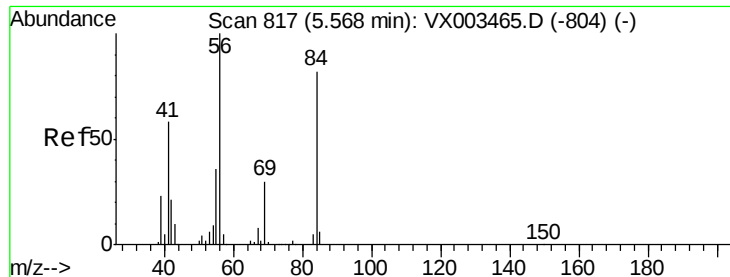
MMDadoda
7/24/2018 12:37:22 PM



#30
Chloroform
Concen: 19.602 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6





#31

Cyclohexane

Concen: 18.231 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

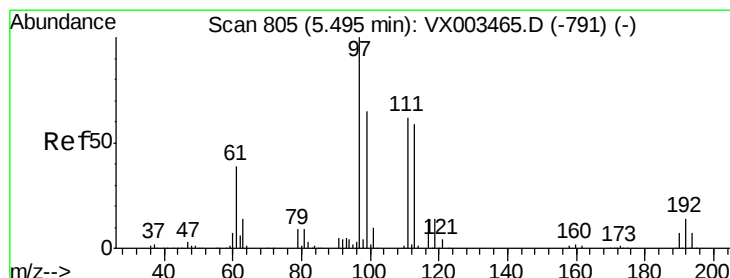
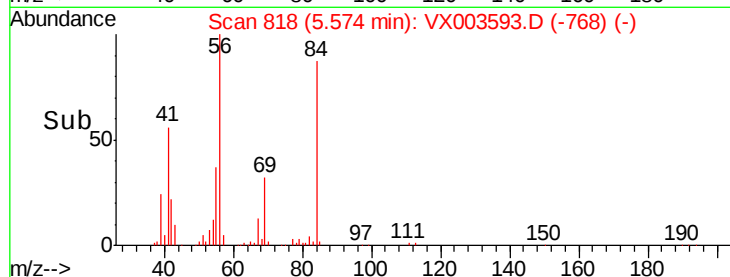
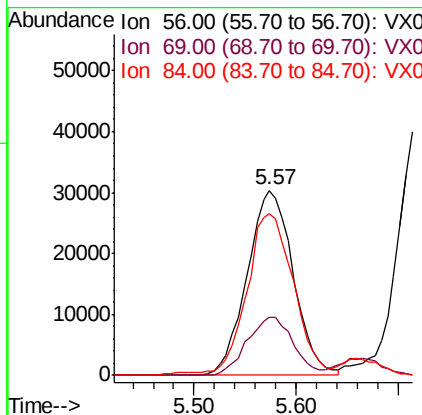
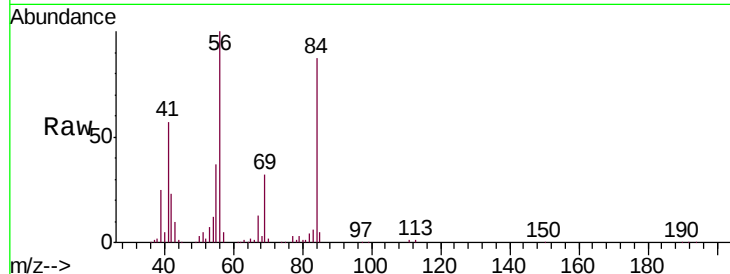
ClientSampleId :

VX0723WBS01

Tot Ion:	56	Resp:	95114
Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.7	35.5
84	86.1	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#32

1,1,1-Trichloroethane

Concen: 19.610 ug/l

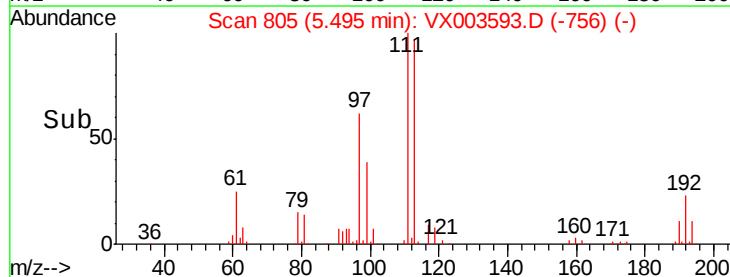
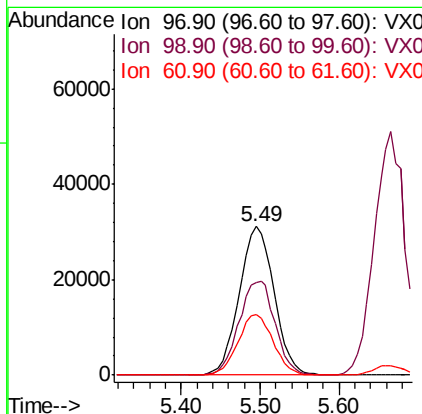
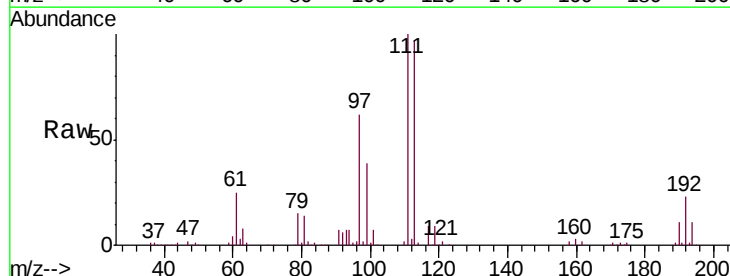
RT: 5.49 min Scan# 805

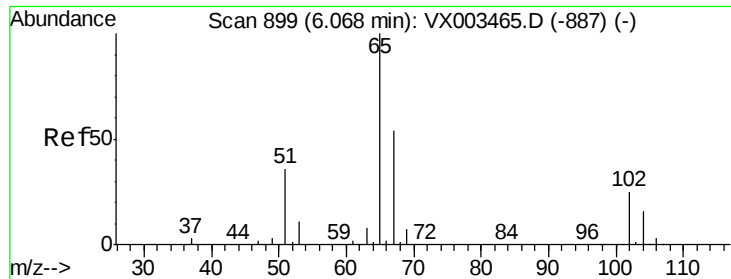
Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion:	97	Resp:	95747
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	41.2	36.4	54.6





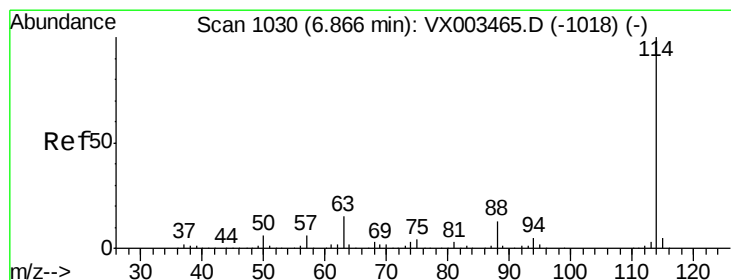
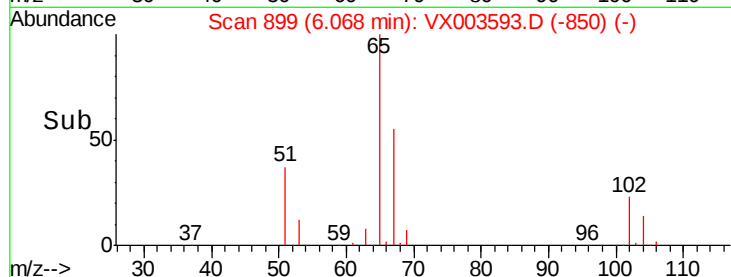
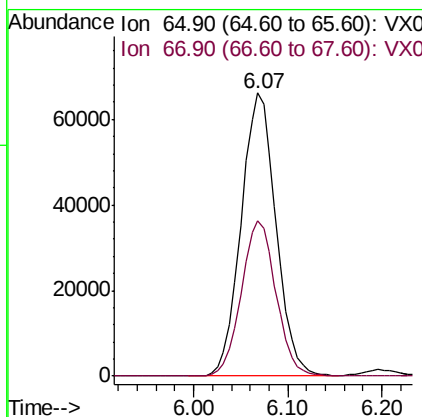
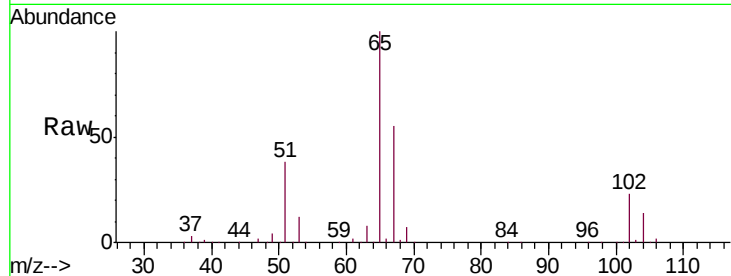
#33
 1,2-Dichloroethane-d4
 Concen: 49.549 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171570		
67	54.6	0.0	102.6	

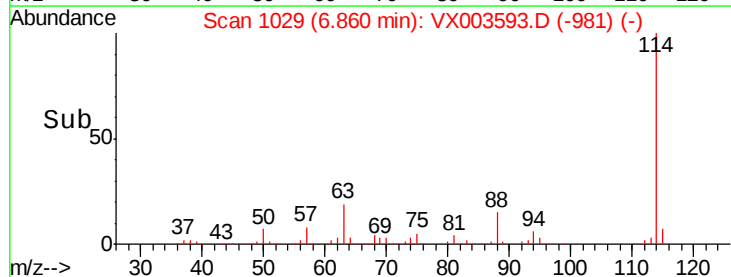
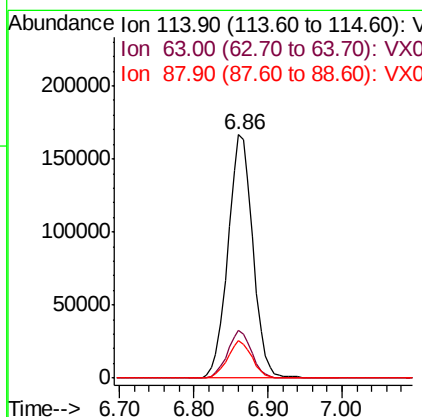
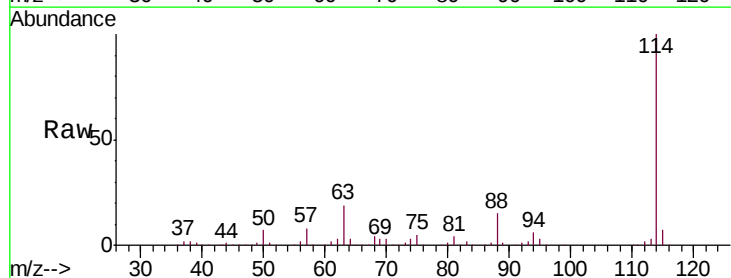
Manual Integrations
 APPROVED

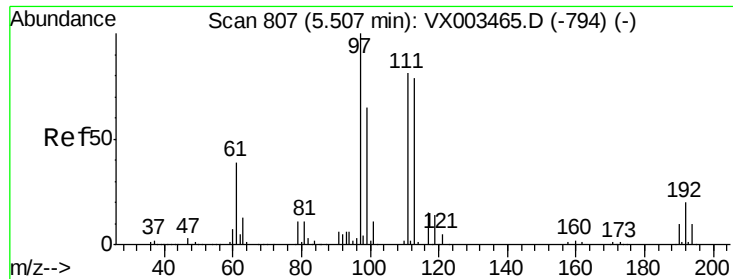
MMDadoda
 7/24/2018 12:37:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390117		
63	19.4	0.0	41.4	
88	15.2	0.0	30.0	





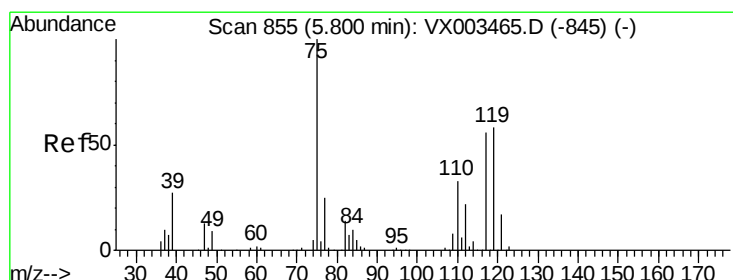
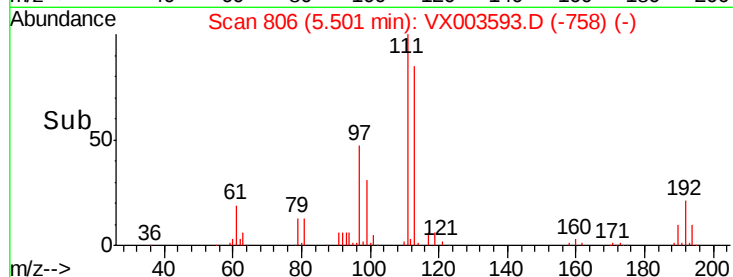
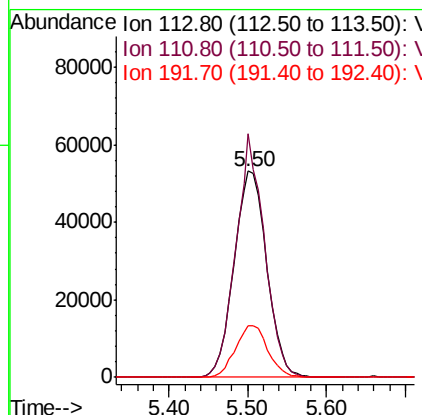
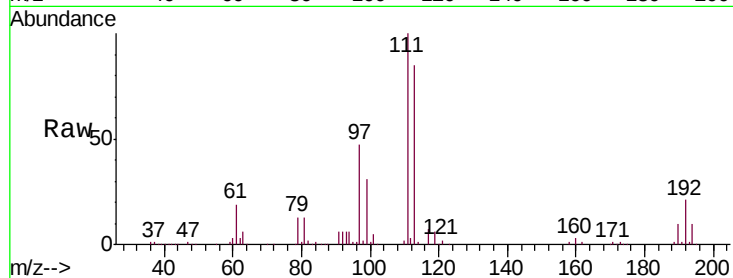
#35
 Dibromofluoromethane
 Concen: 51.649 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.4	122.0	
192	25.0	19.1	28.7	

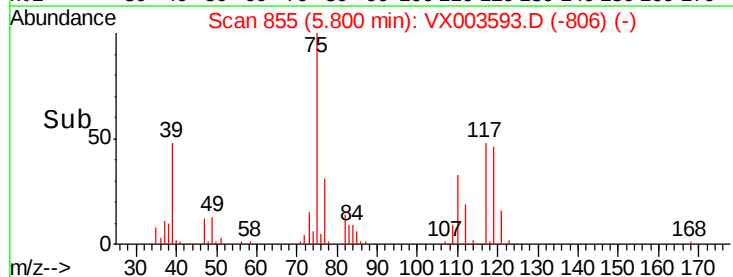
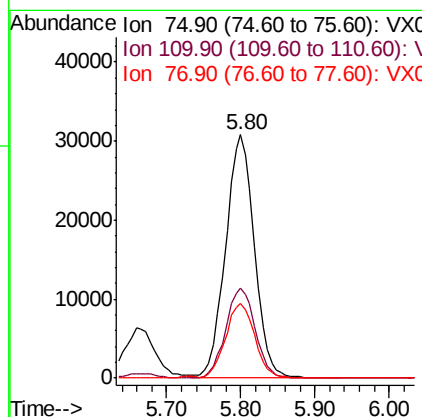
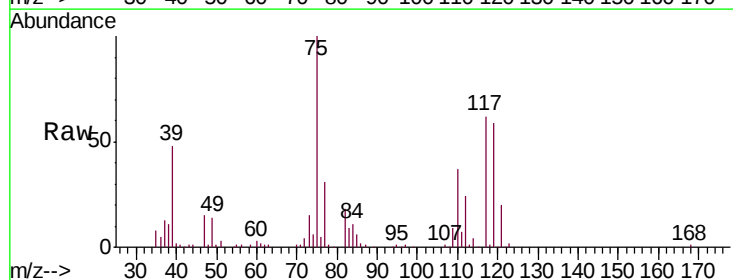
Manual Integrations
 APPROVED

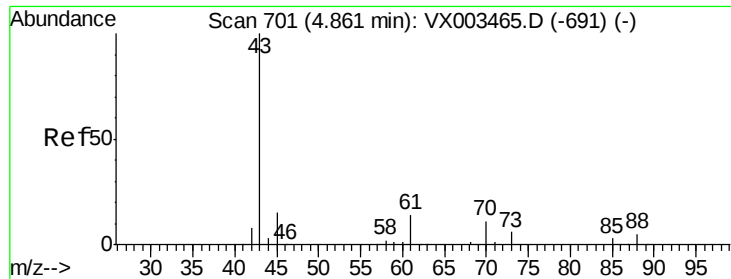
MMDadoda
 7/24/2018 12:37:22 PM



#36
 1,1-Dichloropropene
 Concen: 19.619 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	18.1	54.4	
77	31.0	24.3	36.5	





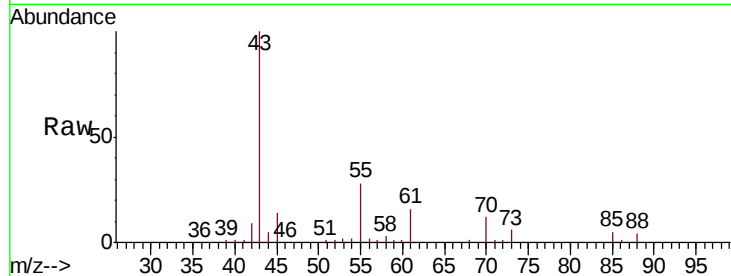
#37
Ethyl Acetate
Concen: 20.259 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.4	15.6
70	11.2	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM

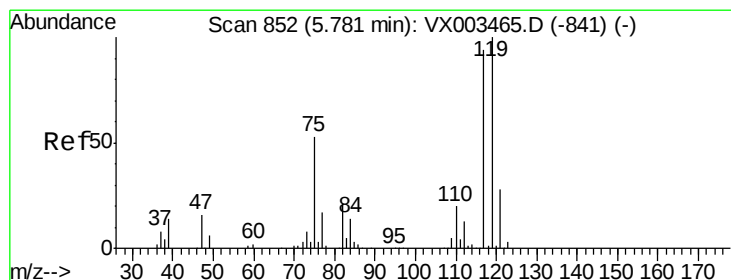
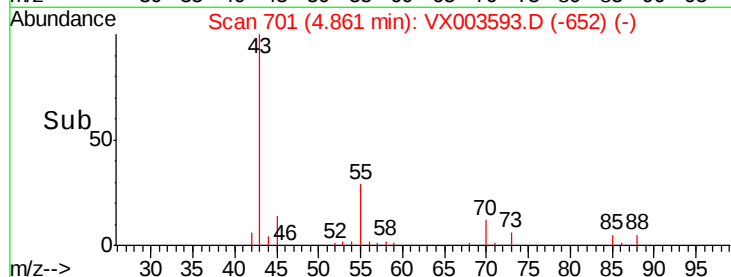
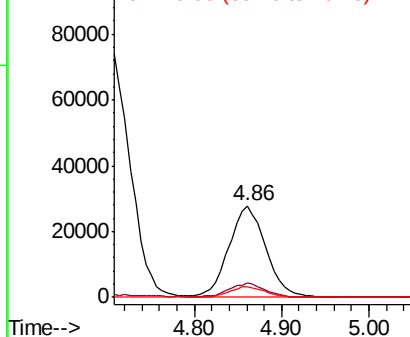


Abundance

Ion 43.00 (42.70 to 43.70): VX0

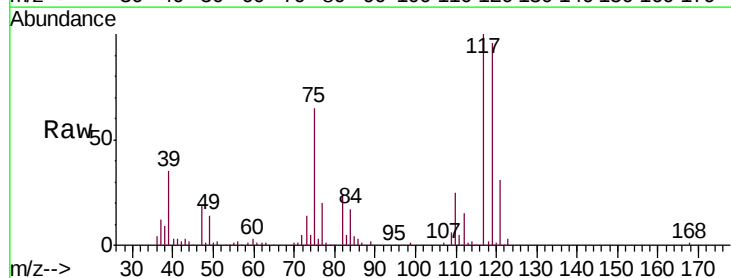
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 20.447 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	30.9	24.4	36.6

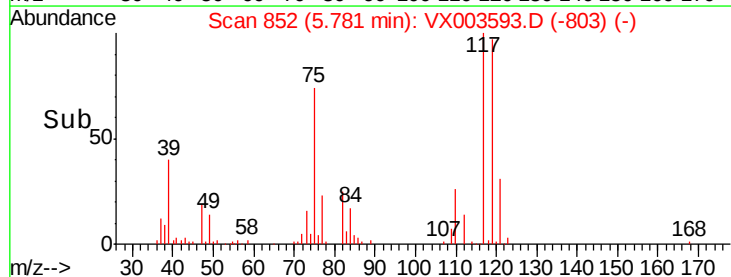
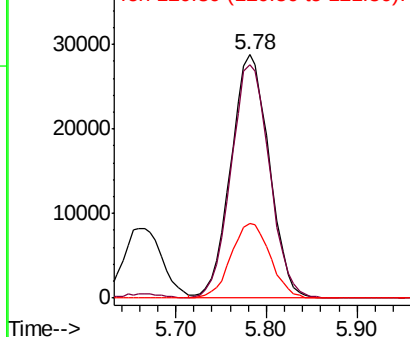


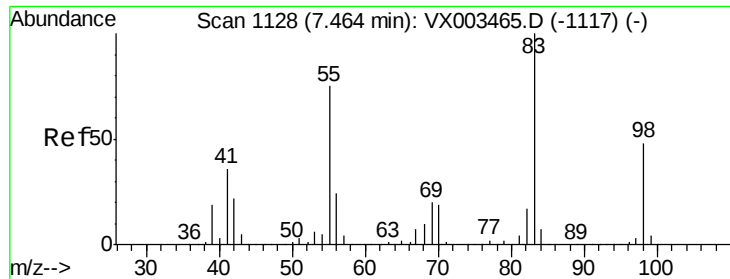
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





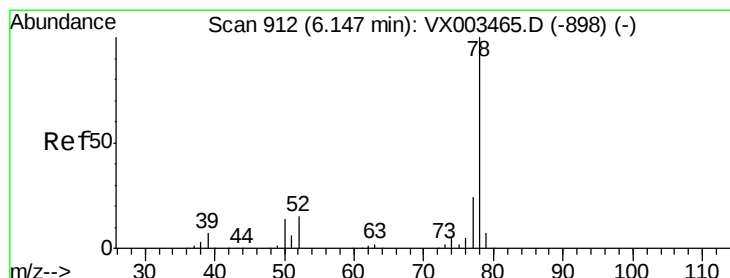
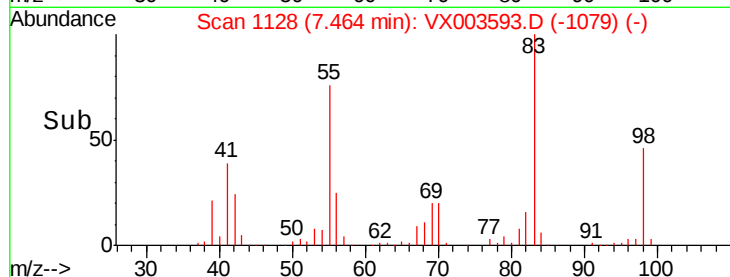
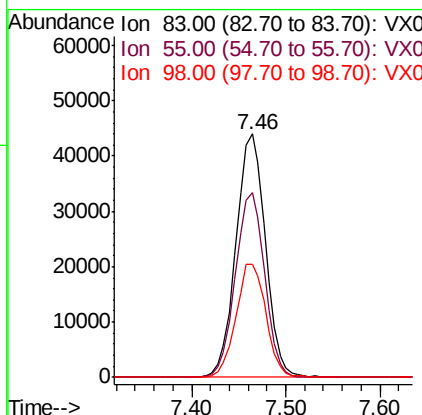
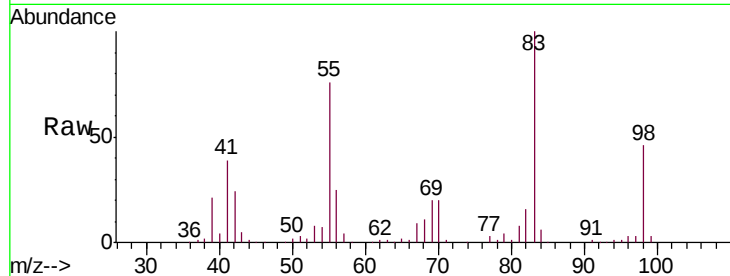
#39
Methylvlcyclohexane
Concen: 19.277 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	65.4	98.0
98	46.4	37.4	56.0

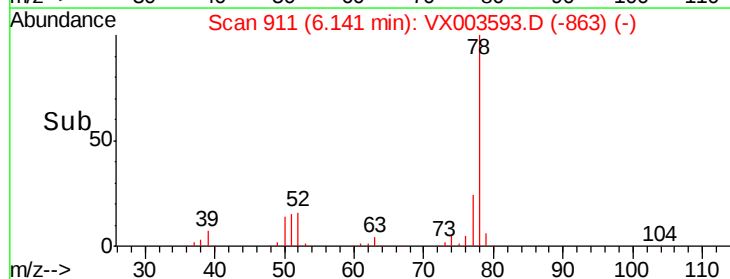
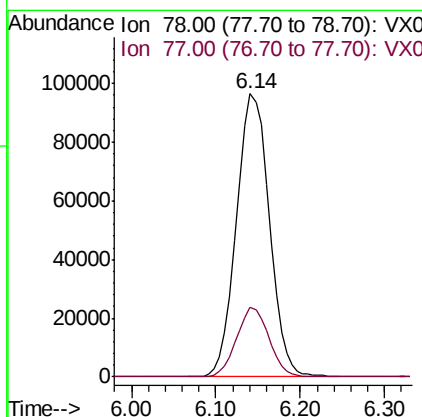
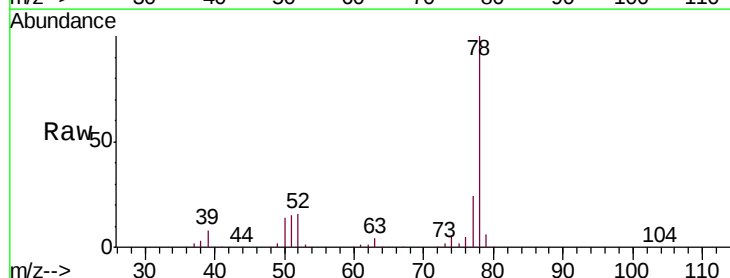
Manual Integrations
APPROVED

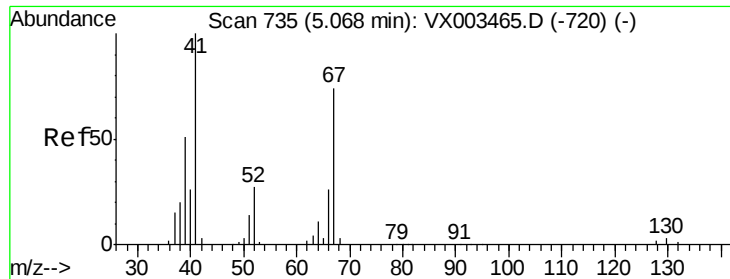
MMDadoda
7/24/2018 12:37:22 PM



#40
Benzene
Concen: 20.150 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 19.276 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

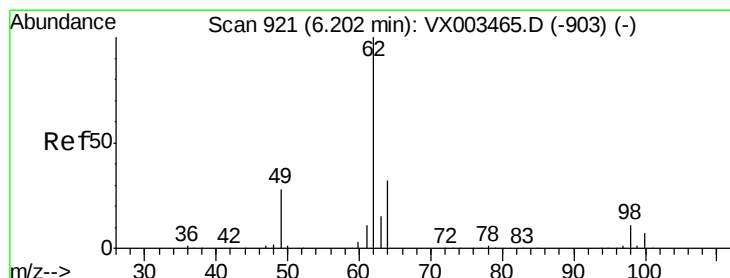
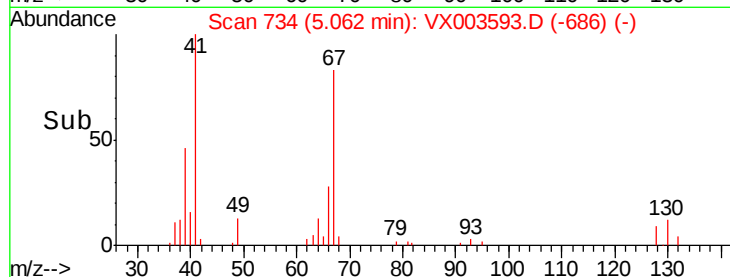
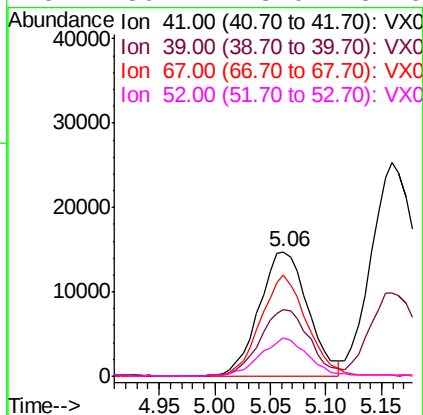
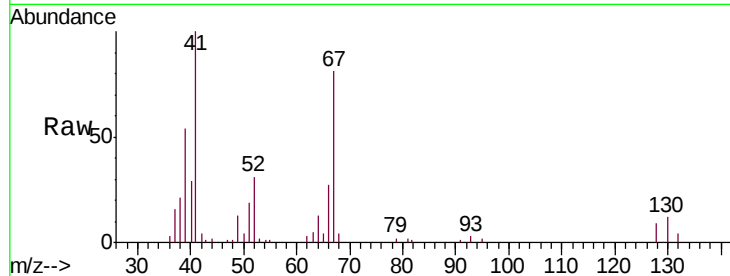
ClientSampleId :

VX0723WBS01

Tot Ion:	41	Resp:	45154
Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.8	68.6
67	76.7	51.3	76.9
52	30.4	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#42

1,2-Dichloroethane

Concen: 21.128 ug/l

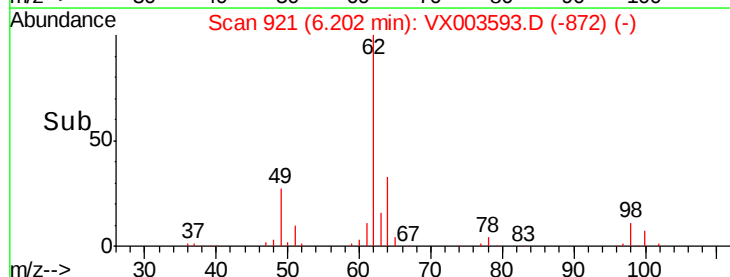
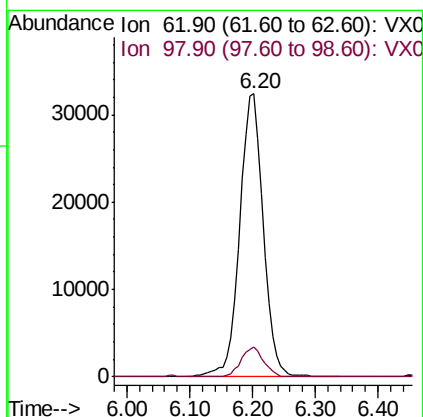
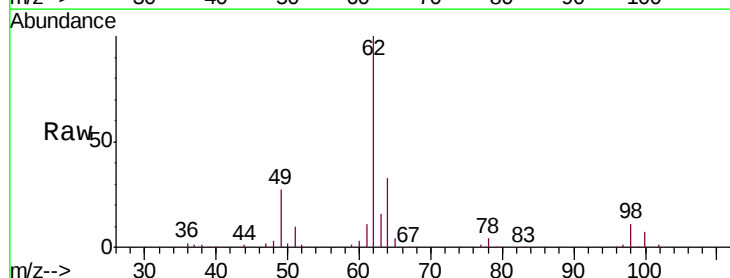
RT: 6.20 min Scan# 921

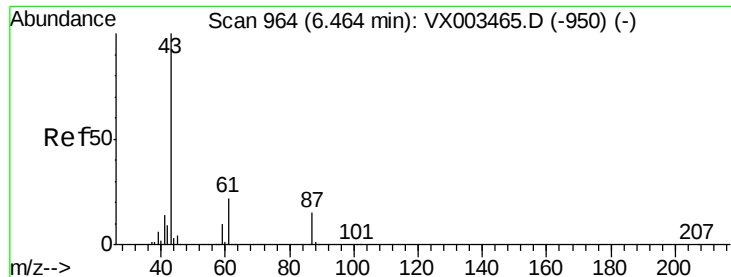
Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion:	62	Resp:	84654
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	16.6





#43

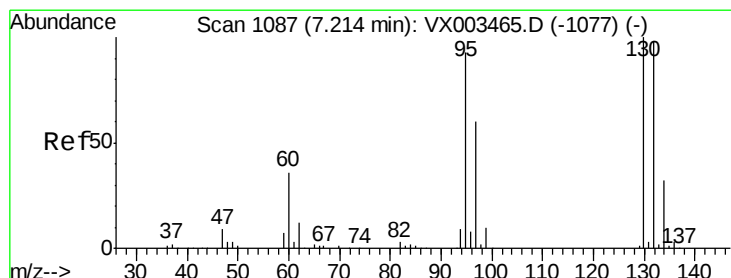
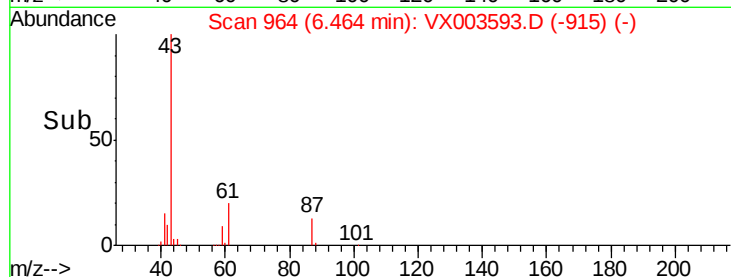
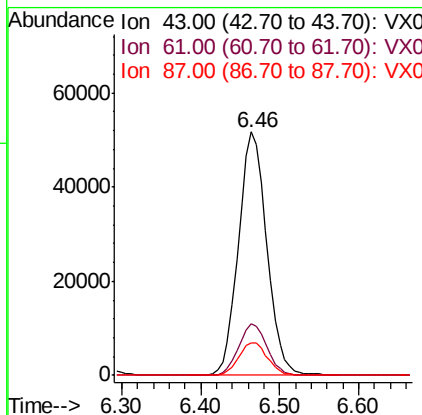
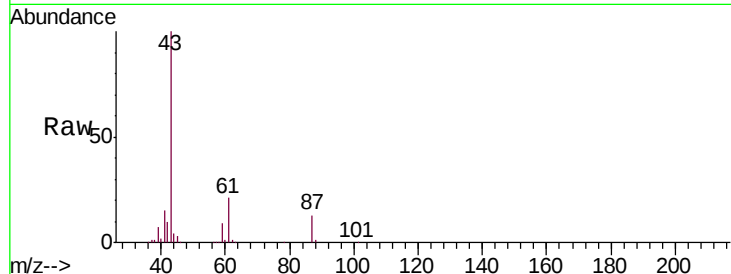
Isopropyl Acetate
 Concen: 20.439 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	14.4	21.6
87	13.8	9.5	14.3

Manual Integrations
 APPROVED

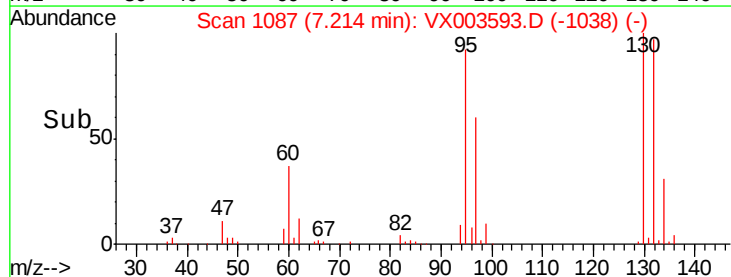
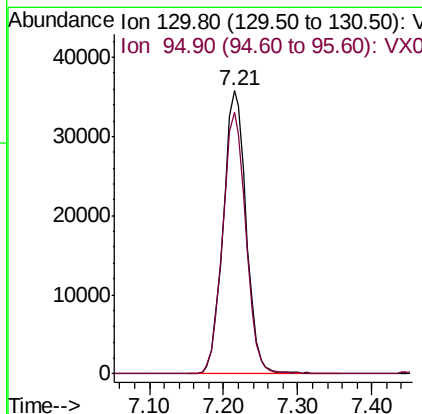
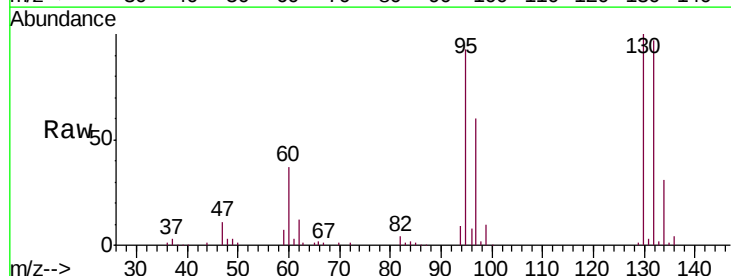
MMDadoda
 7/24/2018 12:37:22 PM

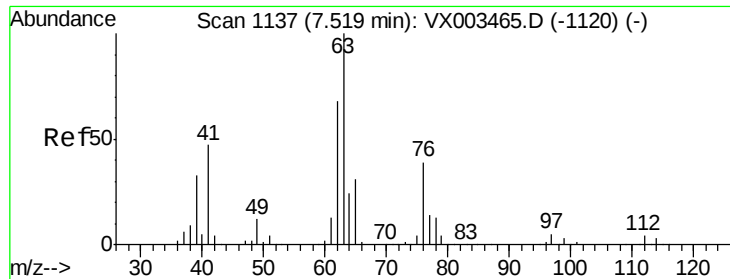


#44

Trichloroethene
 Concen: 20.290 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	185.4





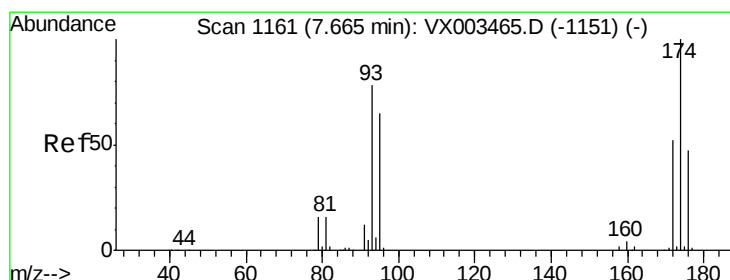
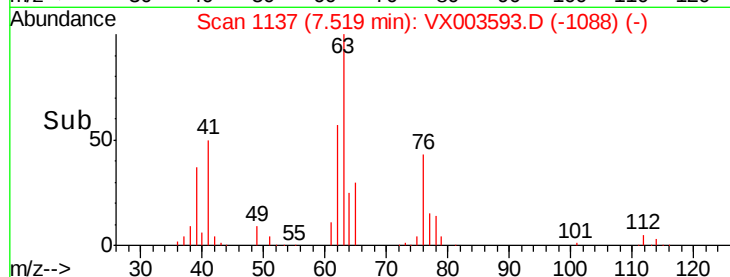
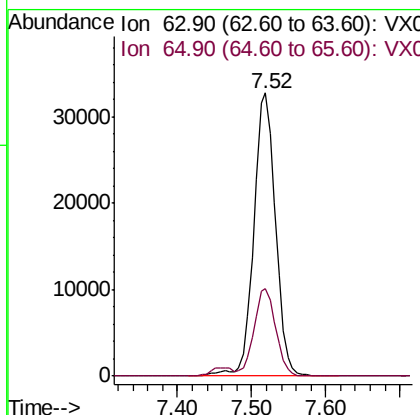
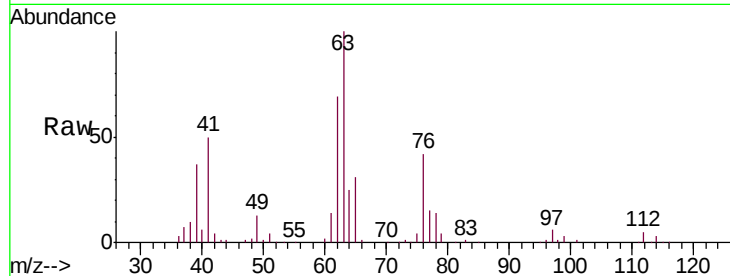
#45
 1,2-Dichloropropane
 Concen: 20.768 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion: 63 Resp: 67061
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

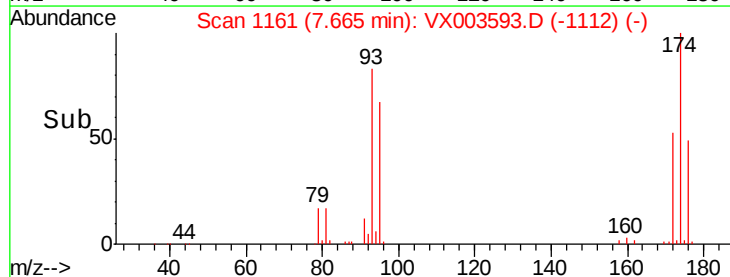
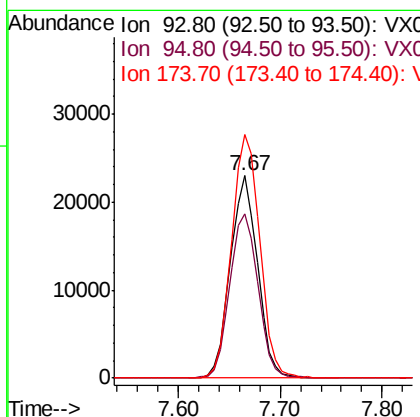
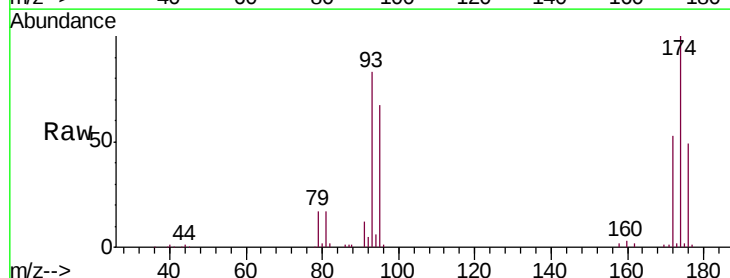
Manual Integrations
 APPROVED

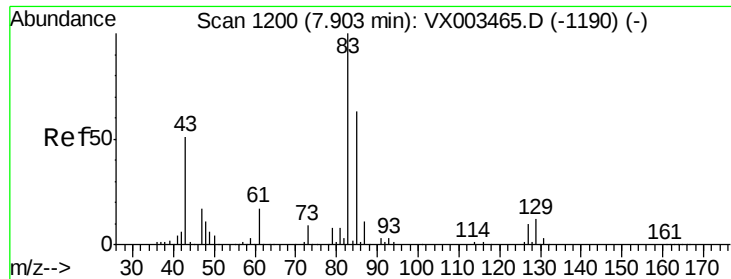
MMDadoda
 7/24/2018 12:37:22 PM



#46
 Dibromomethane
 Concen: 20.473 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion: 93 Resp: 42561
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.9 98.9
 174 124.3 92.4 138.6





#47

Bromodichloromethane

Concen: 21.176 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

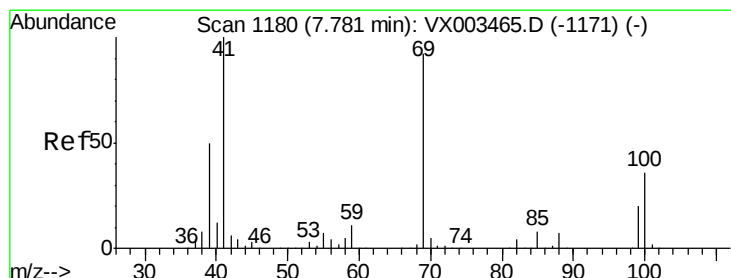
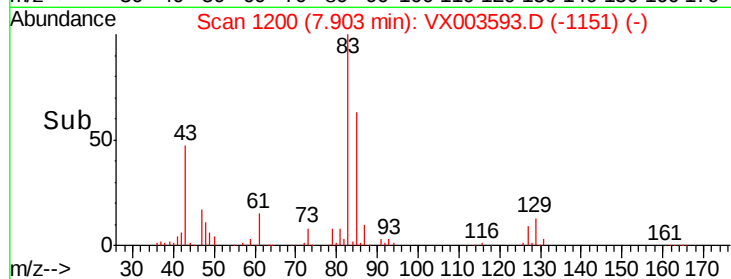
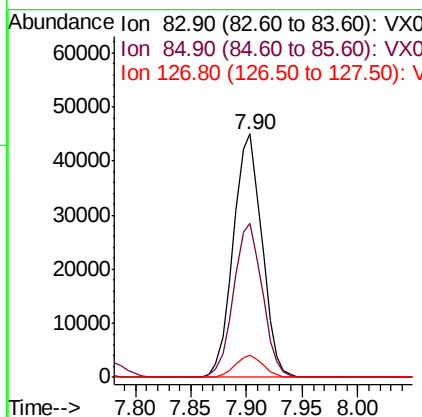
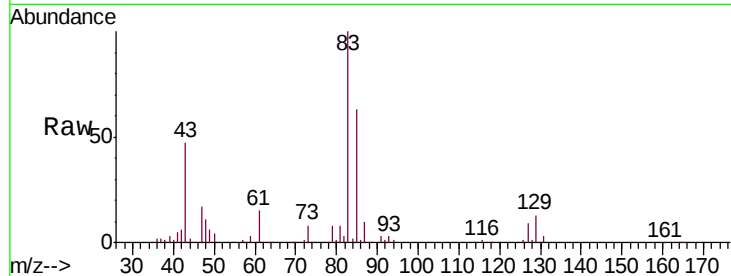
ClientSampleId :

VX0723WBS01

Tot Ion:	83	Resp:	80593
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#48

Methyl methacrylate

Concen: 20.449 ug/l

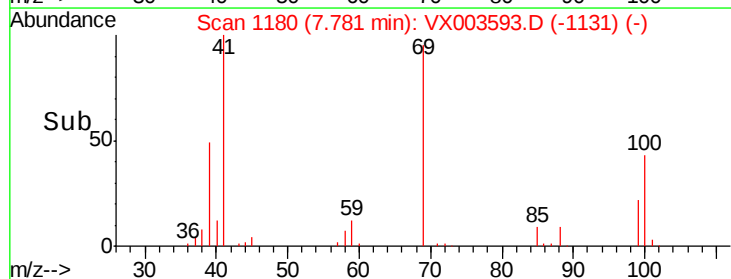
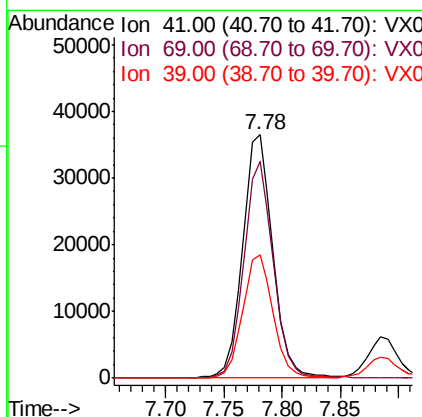
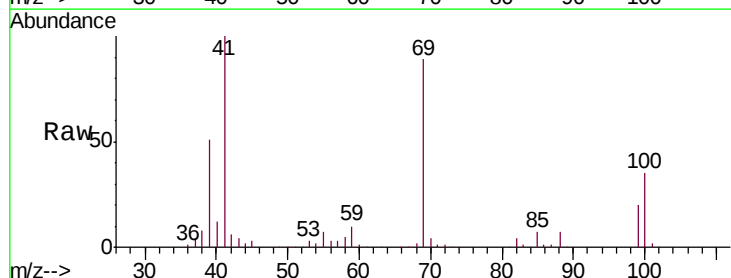
RT: 7.78 min Scan# 1180

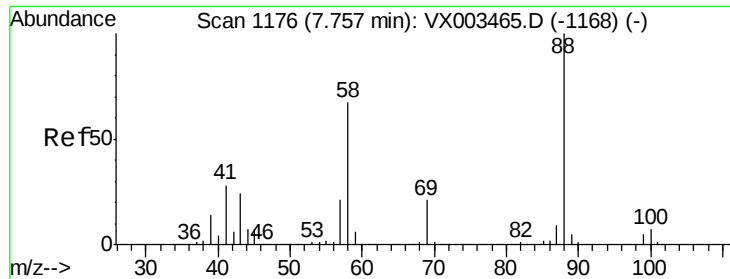
Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion:	41	Resp:	65382
Ion Ratio	Lower	Upper	
41	100		
69	87.8	59.1	88.7
39	50.8	48.9	73.3





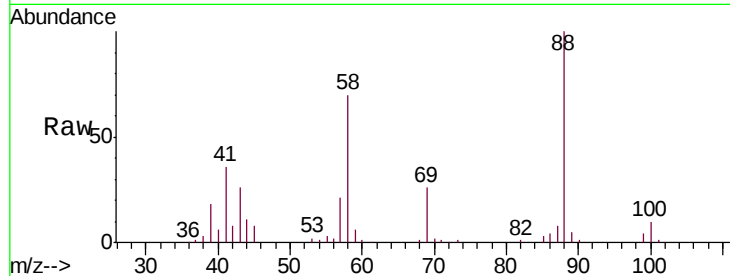
#49
1,4-Dioxane
Concen: 405.345 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	29.8	44.6#
58	71.5	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM

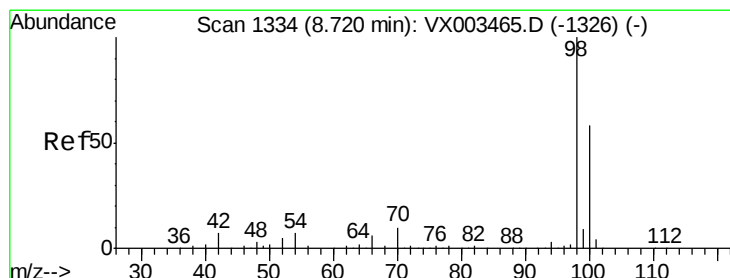
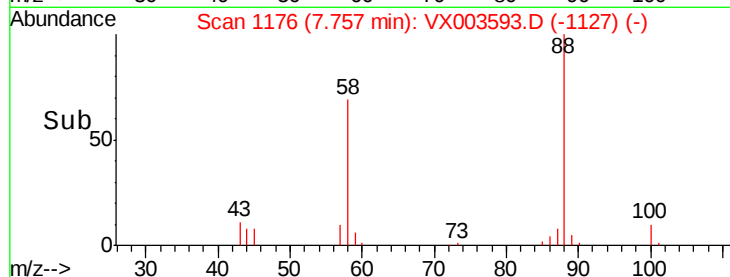
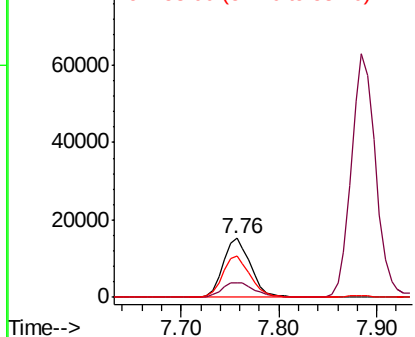


Abundance

Ion 88.00 (87.70 to 88.70): VX0

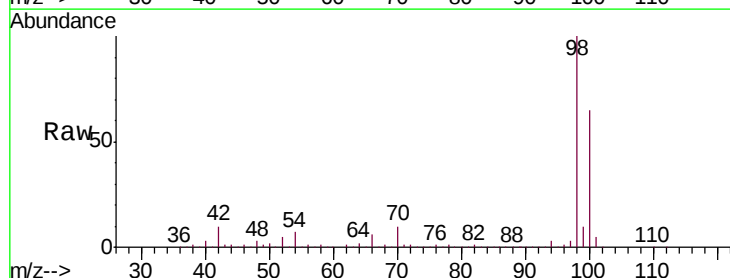
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 52.635 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

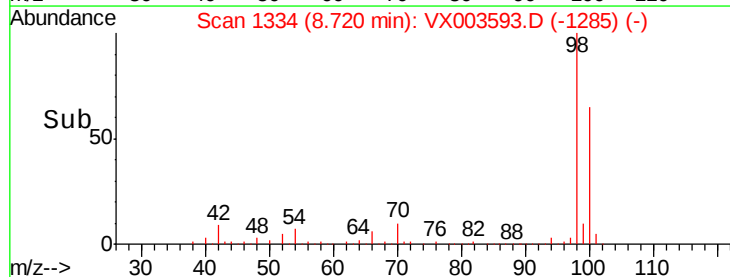
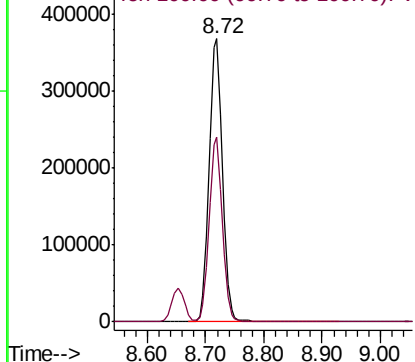
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3

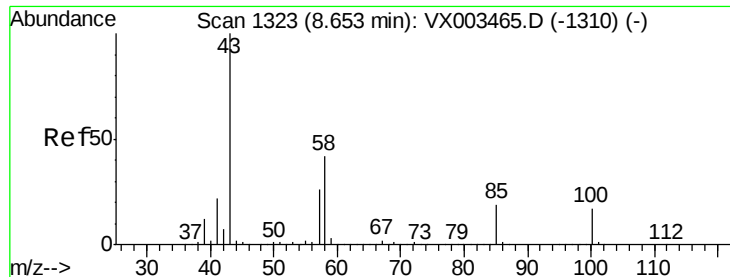


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





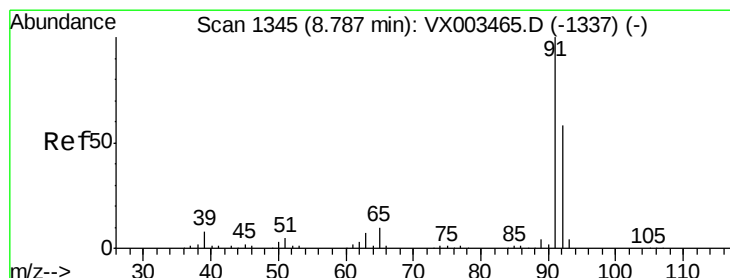
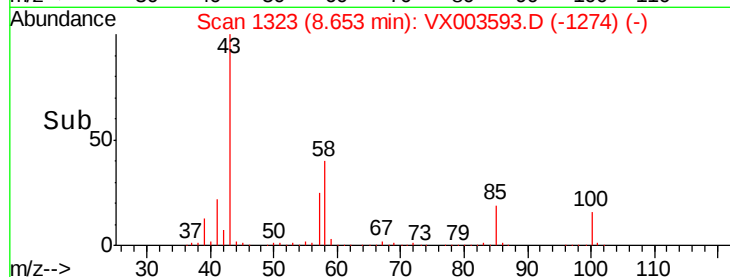
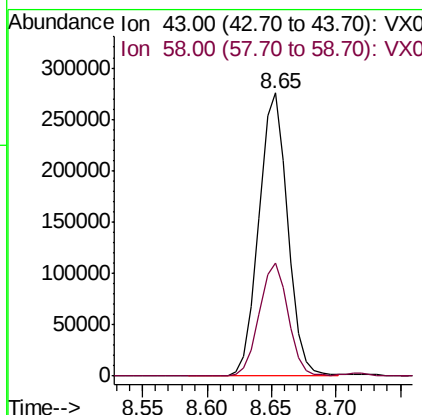
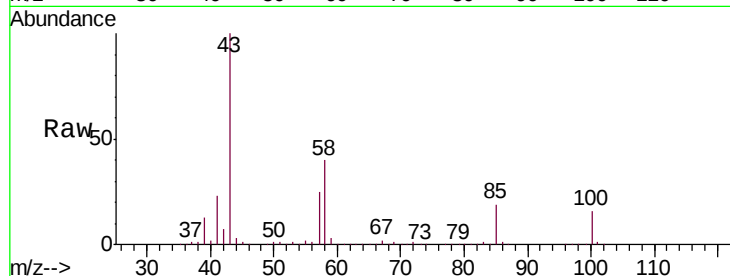
#51
4-Methyl-2-Pentanone
Concen: 106.065 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	40.0		28.6	42.8	

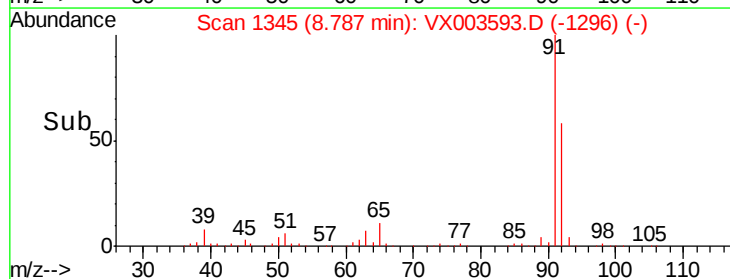
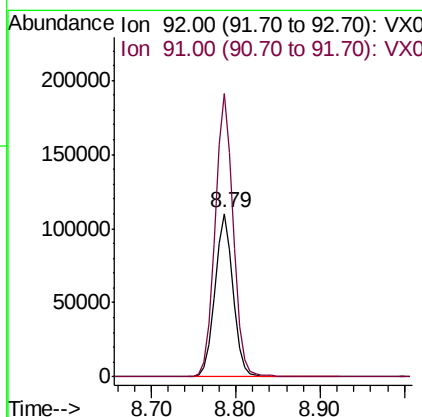
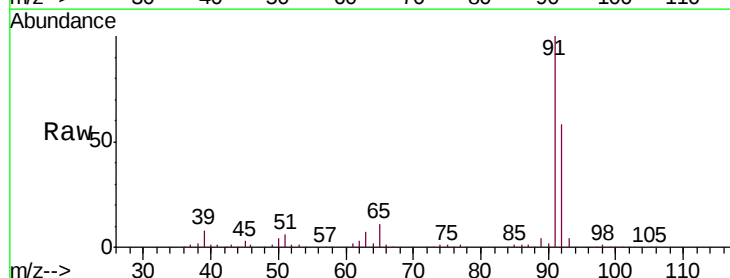
Manual Integrations
APPROVED

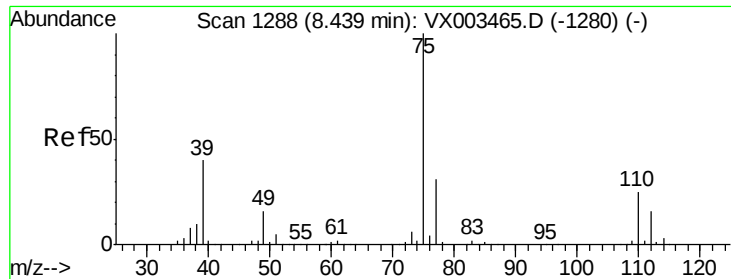
MMDadoda
7/24/2018 12:37:22 PM



#52
Toluene
Concen: 20.508 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	174.4		140.4	210.6	





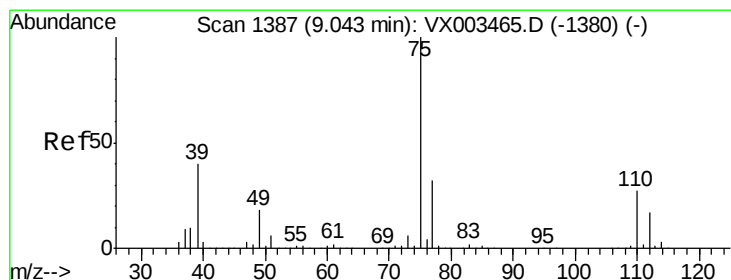
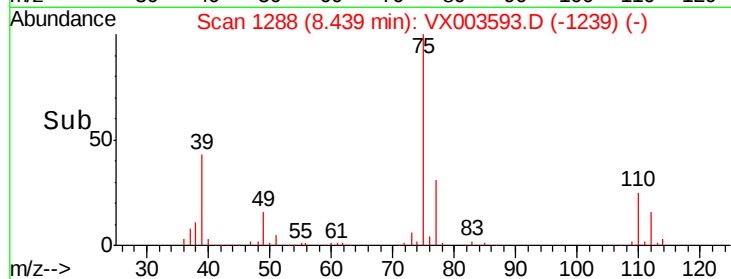
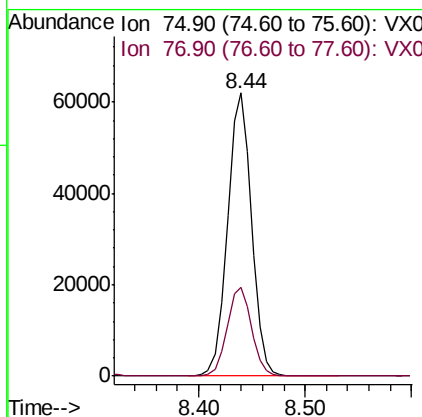
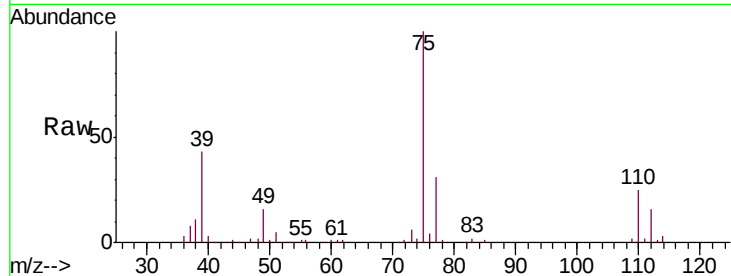
#53
t-1,3-Dichloropropene
Concen: 20.900 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion: 75 Resp: 97902
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

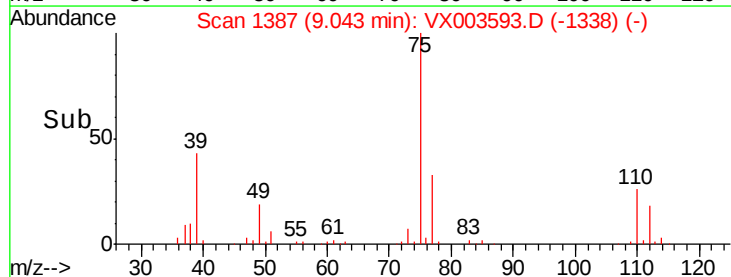
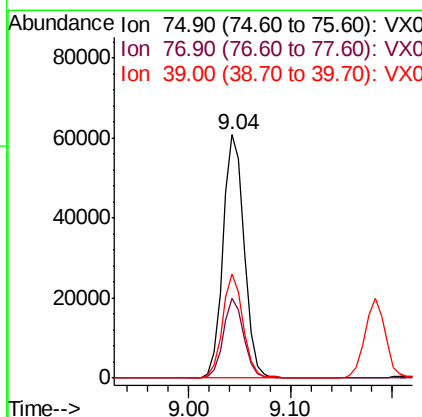
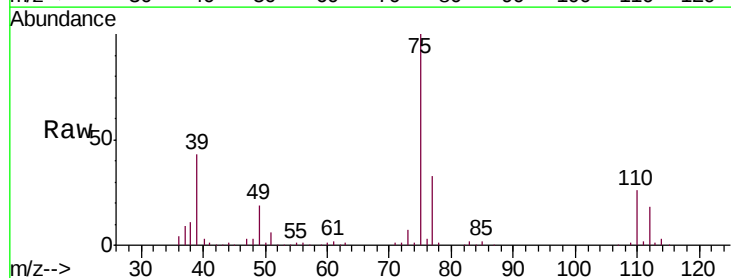
Manual Integrations
APPROVED

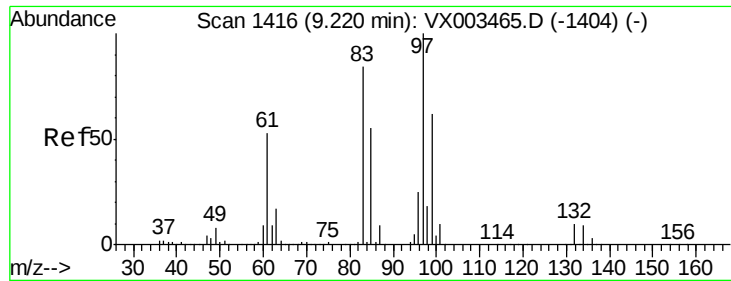
MMDadoda
7/24/2018 12:37:22 PM



#54
cis-1,3-Dichloropropene
Concen: 20.749 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion: 75 Resp: 87407
Ion Ratio Lower Upper
75 100
77 32.8 24.8 37.2
39 42.8 42.4 63.6





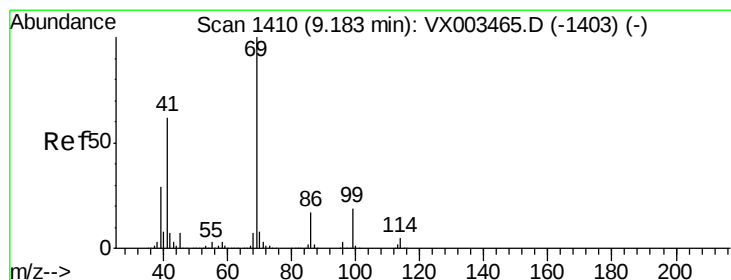
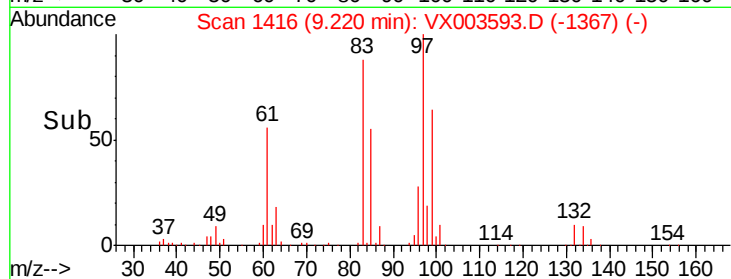
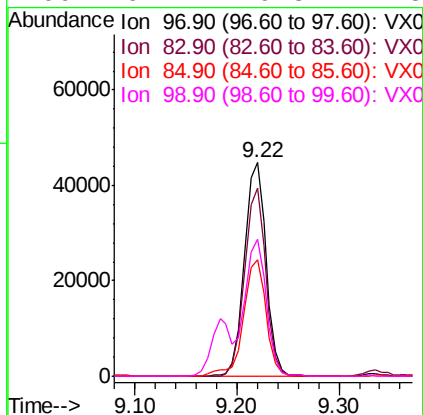
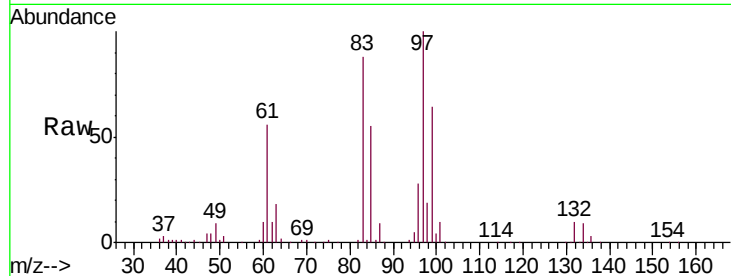
#55
 1,1,2-Trichloroethane
 Concen: 20.738 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion:	97	Resp:	66055
Ion Ratio	Lower	Upper	
97	100		
83	88.3	70.2	105.2
85	54.5	44.9	67.3
99	64.4	49.8	74.8

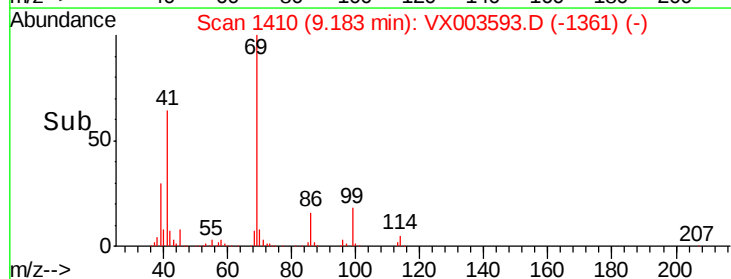
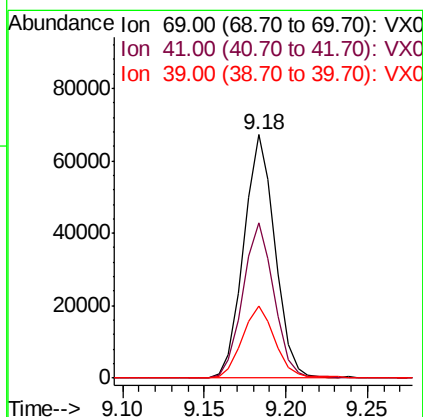
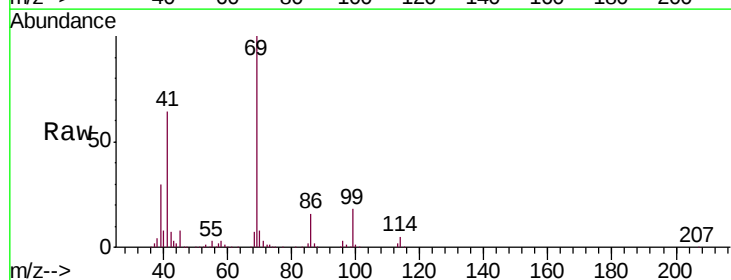
Manual Integrations
 APPROVED

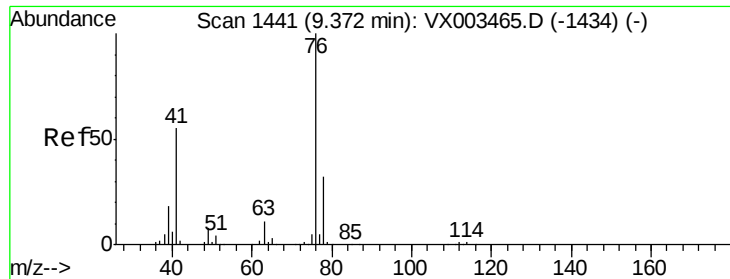
MMDadoda
 7/24/2018 12:37:22 PM



#56
 Ethyl methacrylate
 Concen: 20.020 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion:	69	Resp:	89819
Ion Ratio	Lower	Upper	
69	100		
41	63.9	60.3	90.5
39	30.9	35.8	53.8#





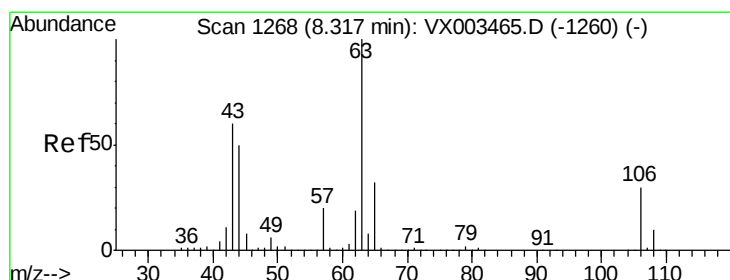
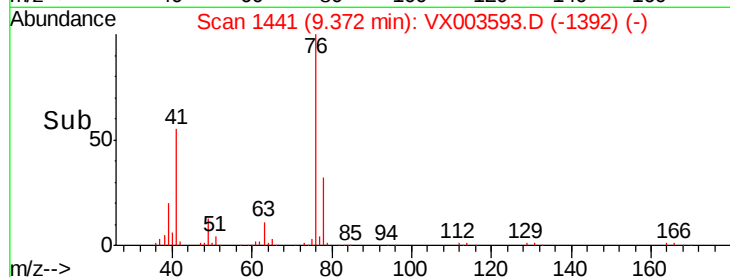
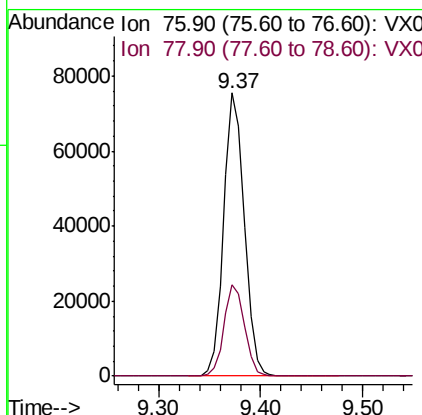
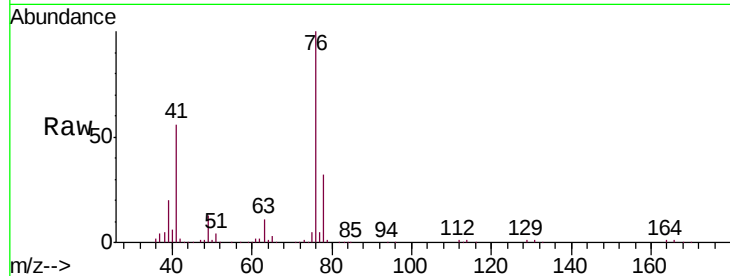
#57
 1,3-Dichloropropane
 Concen: 20.646 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion: 76 Resp: 106303
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

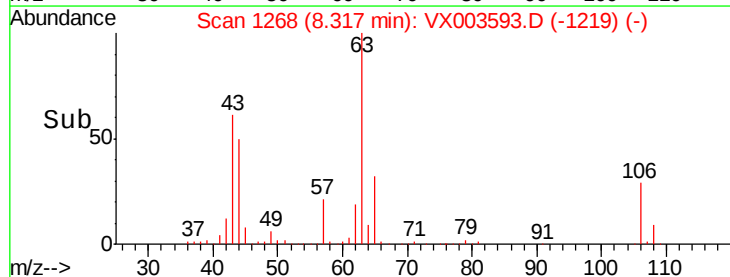
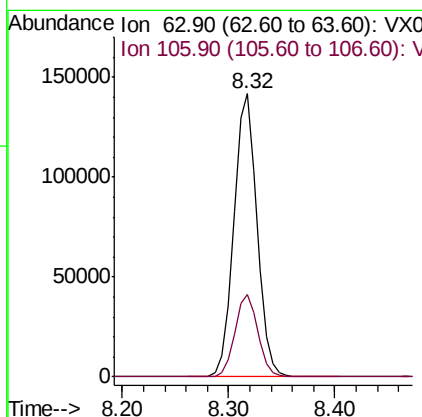
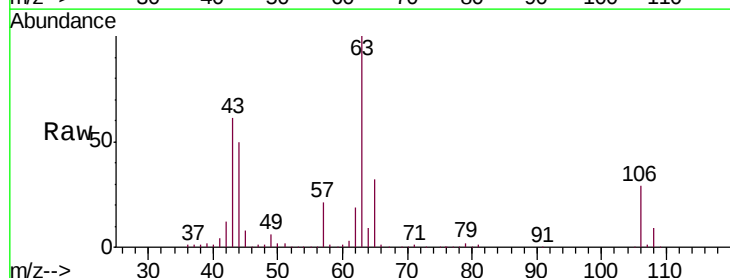
Manual Integrations
 APPROVED

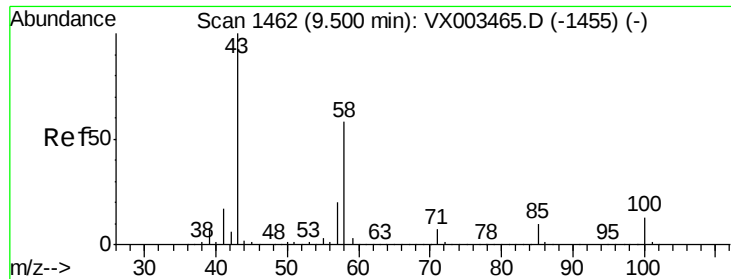
MMDadoda
 7/24/2018 12:37:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.197 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion: 63 Resp: 216404
 Ion Ratio Lower Upper
 63 100
 106 28.9 21.8 32.8





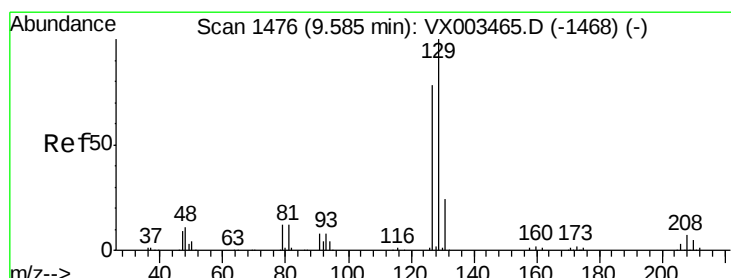
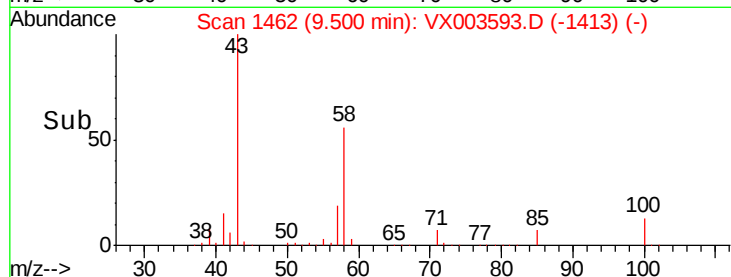
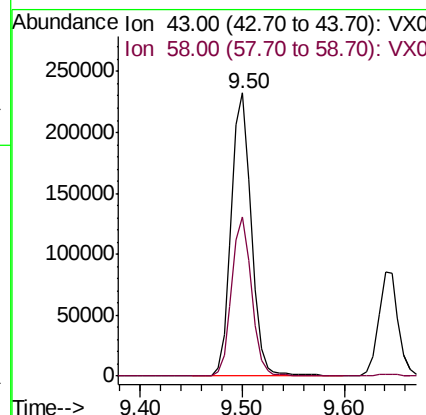
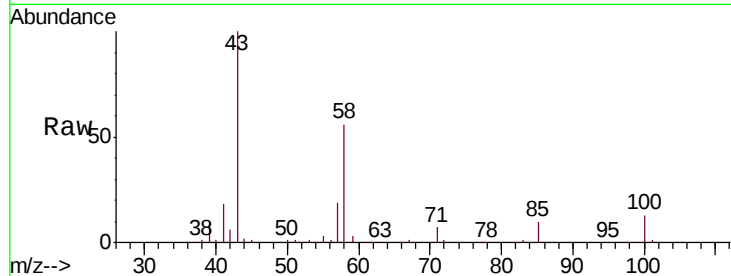
#59
 2-Hexanone
 Concen: 106.561 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0723WBS01

Tot Ion: 43 Resp: 316240
 Ion Ratio Lower Upper
 43 100
 58 55.7 24.6 73.6

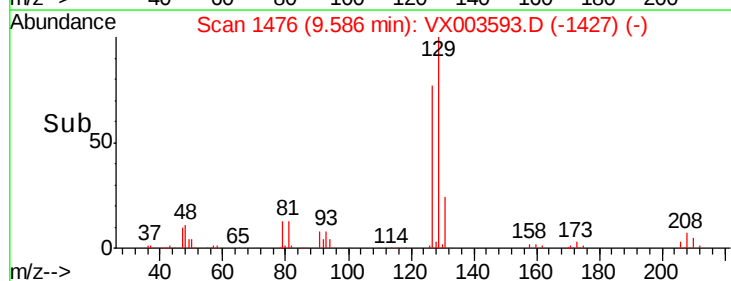
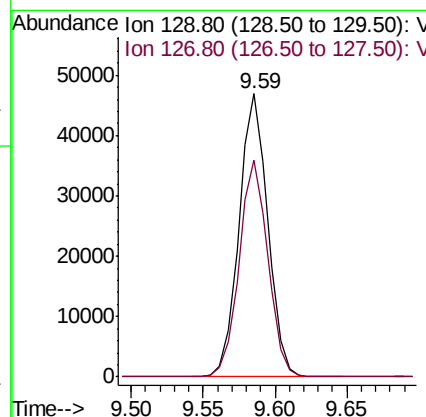
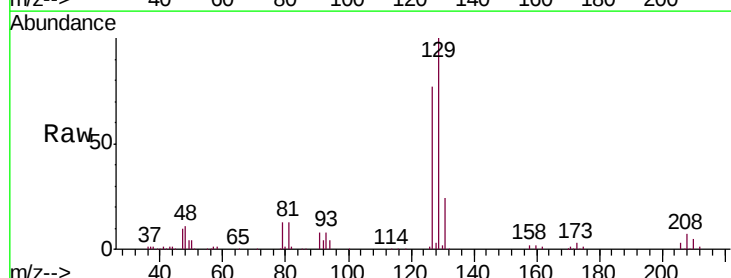
Manual Integrations
 APPROVED

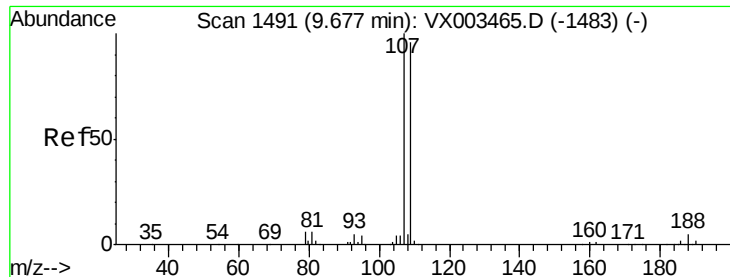
MMDadoda
 7/24/2018 12:37:22 PM



#60
 Dibromochloromethane
 Concen: 20.640 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion:129 Resp: 65075
 Ion Ratio Lower Upper
 129 100
 127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.658 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion:107 Resp: 68211

Ion Ratio Lower Upper

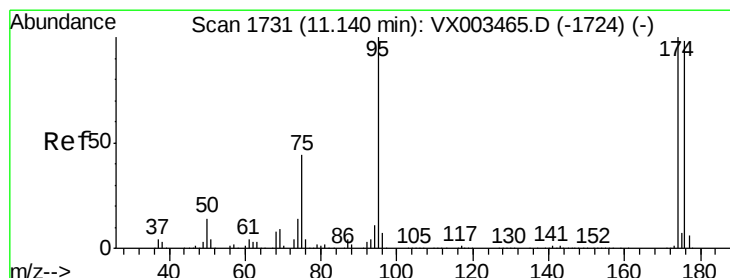
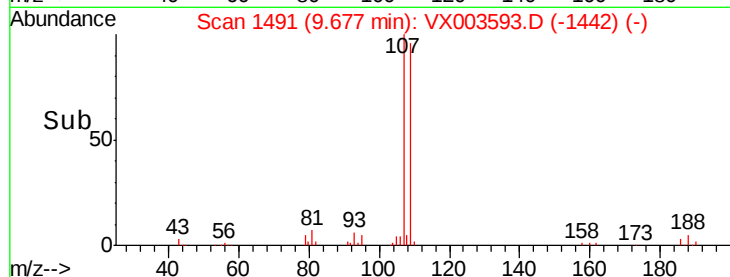
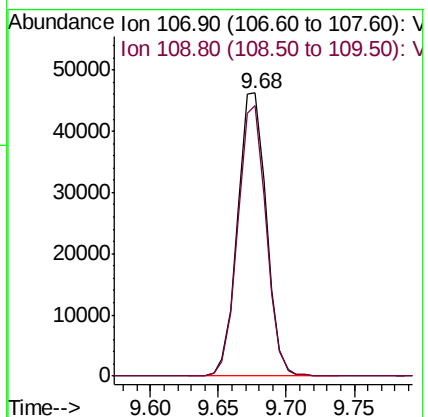
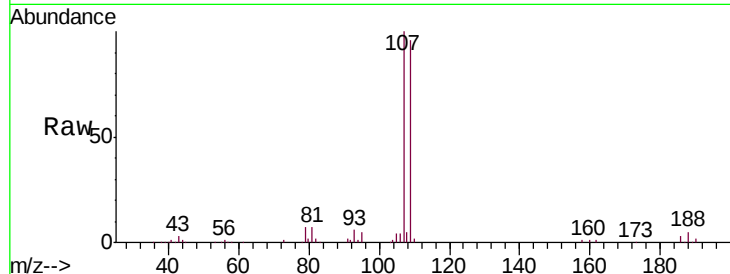
107 100

109 94.1 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

7/24/2018 12:37:22 PM



#62

4-Bromofluorobenzene

Concen: 52.426 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

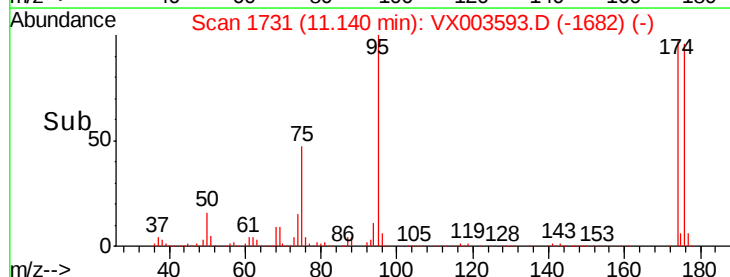
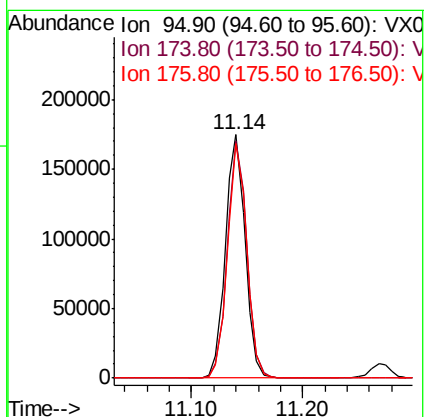
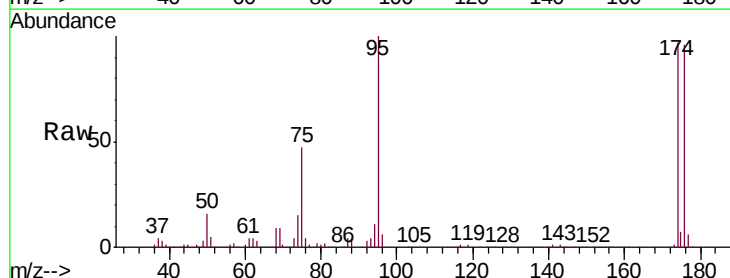
Tgt Ion: 95 Resp: 213677

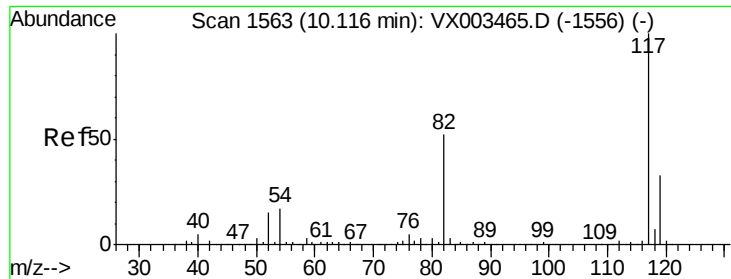
Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.4

176 94.4 0.0 181.0





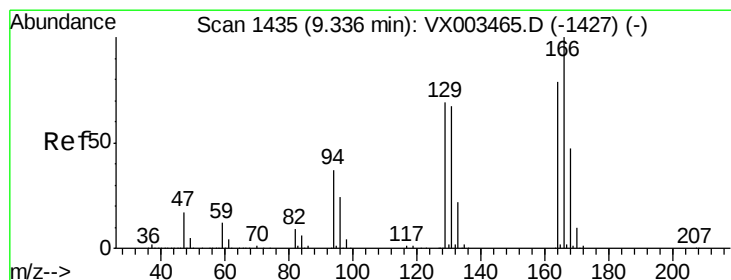
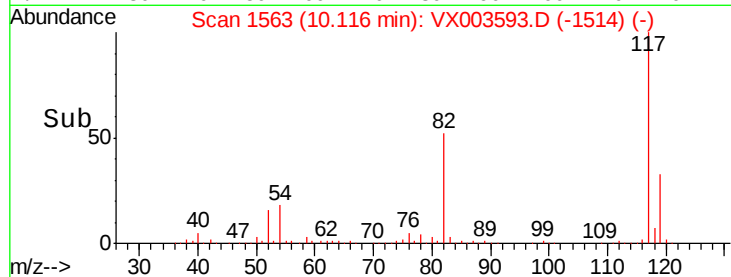
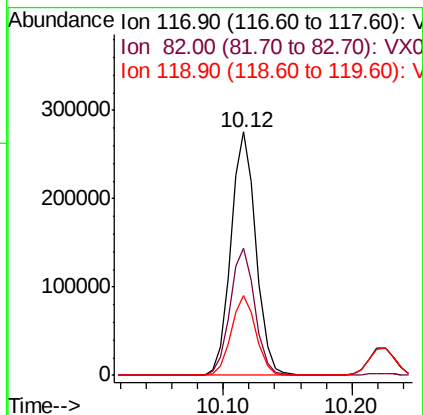
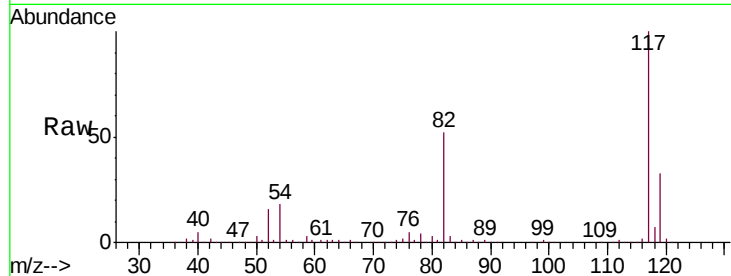
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.0	67.4
119	32.6	25.8	38.6

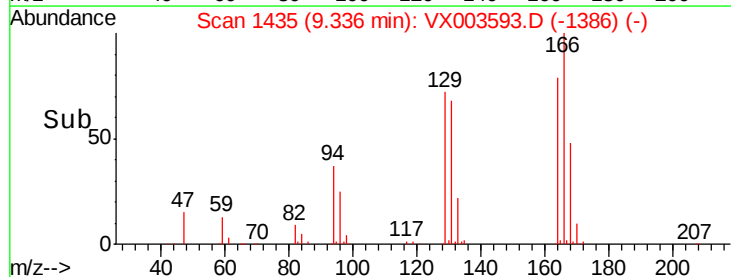
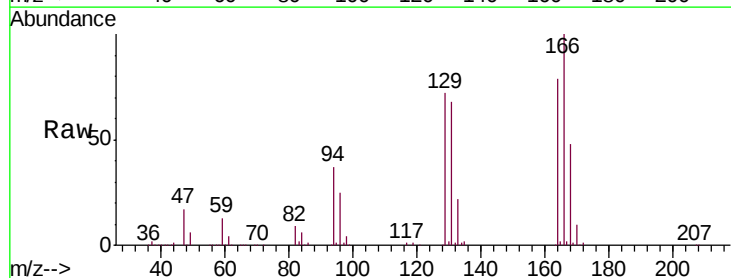
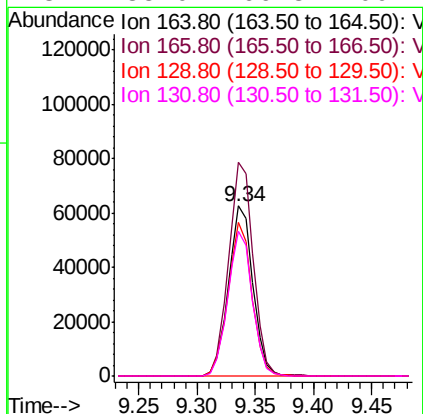
Manual Integrations
APPROVED

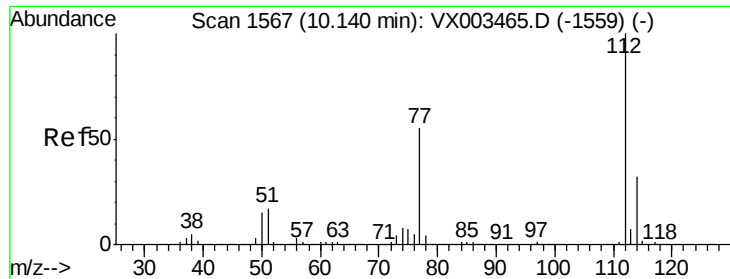
MMDadoda
7/24/2018 12:37:22 PM



#64
Tetrachloroethene
Concen: 19.986 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.9	154.3
129	90.8	68.6	102.8
131	85.0	66.8	100.2





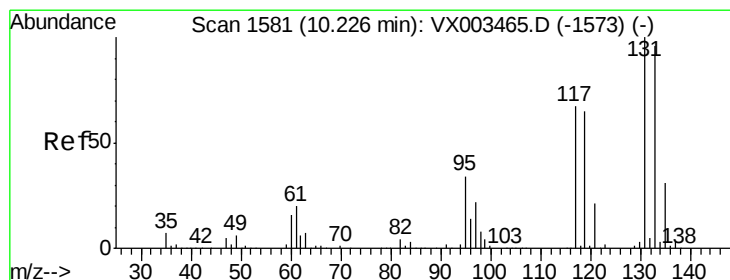
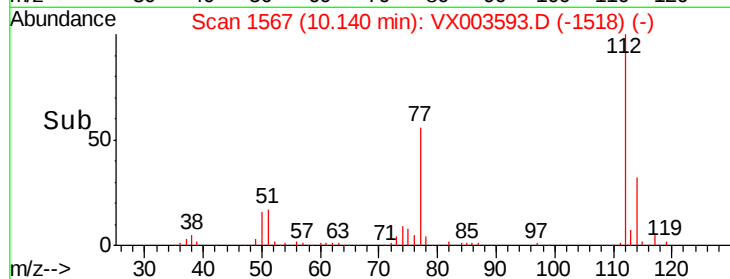
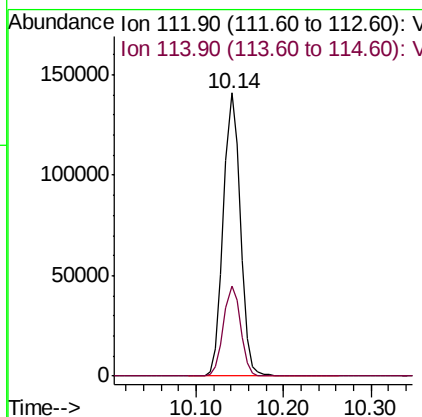
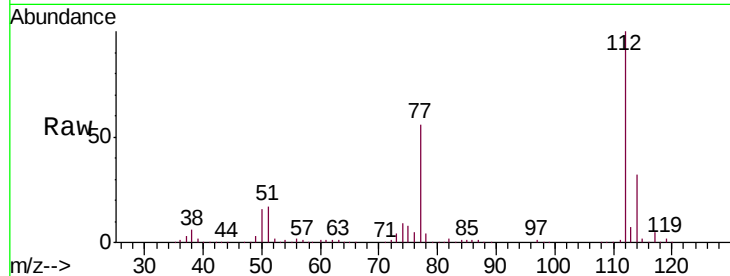
#65
Chlorobenzene
Concen: 19.717 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion:112 Resp: 189545
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

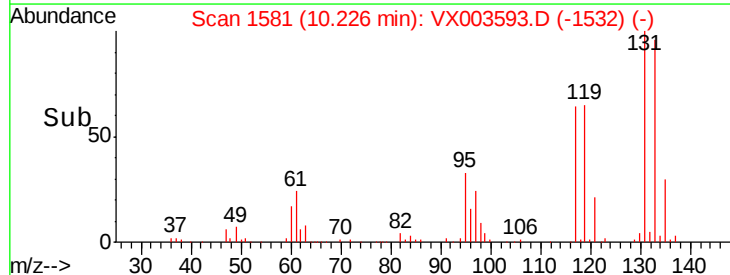
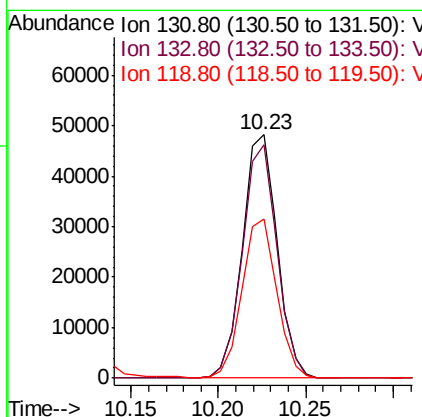
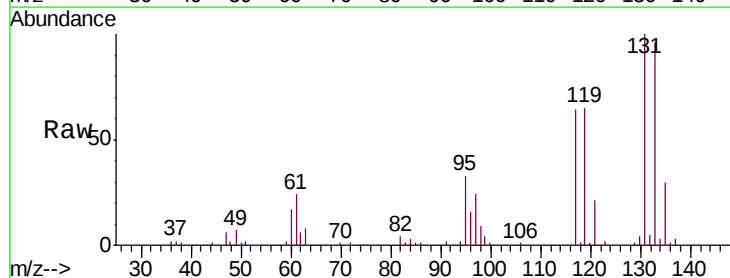
Manual Integrations
APPROVED

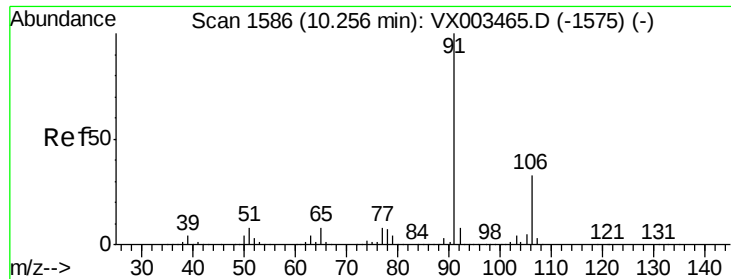
MMDadoda
7/24/2018 12:37:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.141 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion:131 Resp: 66616
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 65.7 31.8 95.3





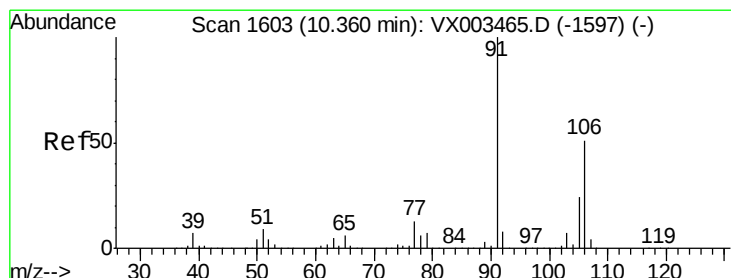
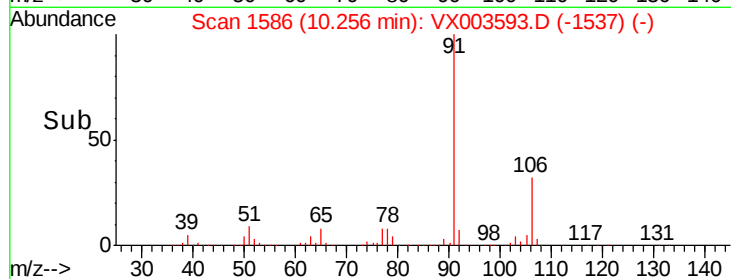
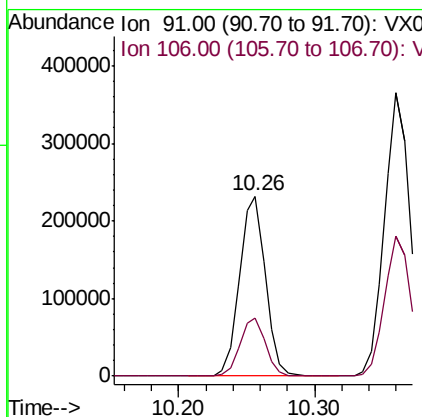
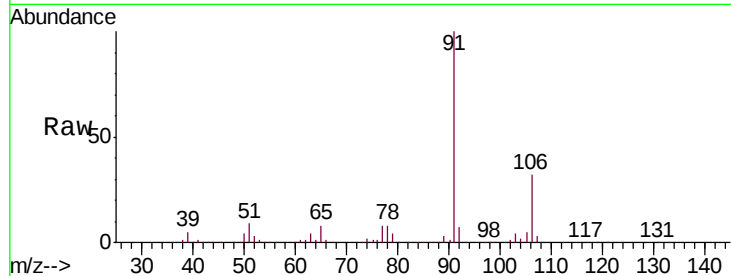
#67
Ethyl Benzene
Concen: 19.831 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampled :
VX0723WBS01

Tot Ion: 91 Resp: 306528
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3

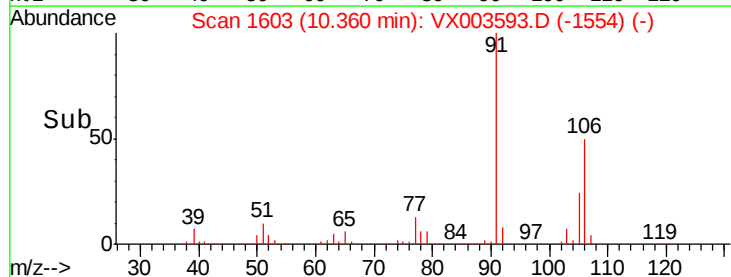
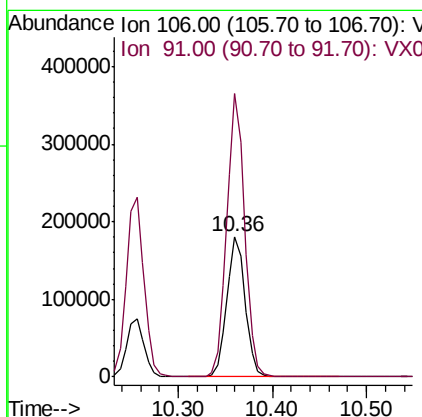
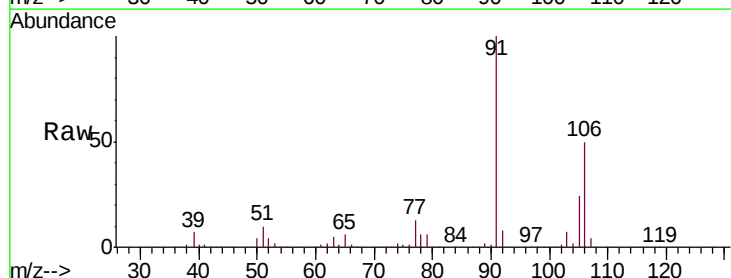
Manual Integrations
APPROVED

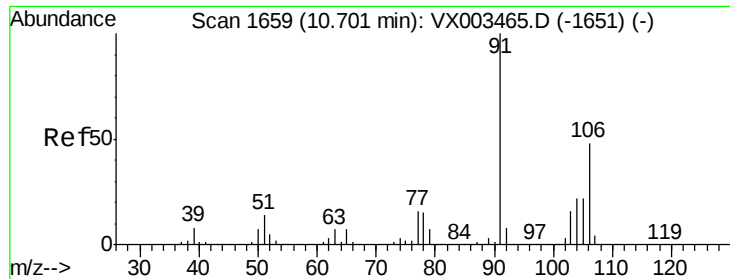
MMDadoda
7/24/2018 12:37:22 PM



#68
m/p-Xylenes
Concen: 40.260 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion: 106 Resp: 243964
Ion Ratio Lower Upper
106 100
91 198.1 163.4 245.2





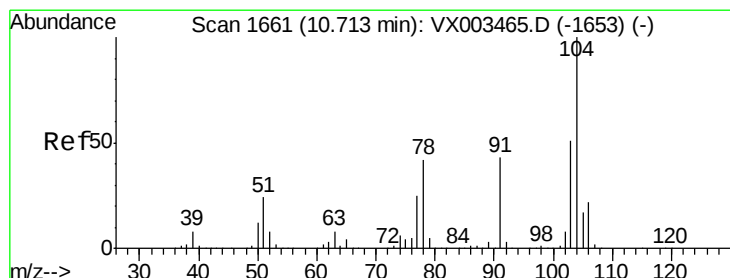
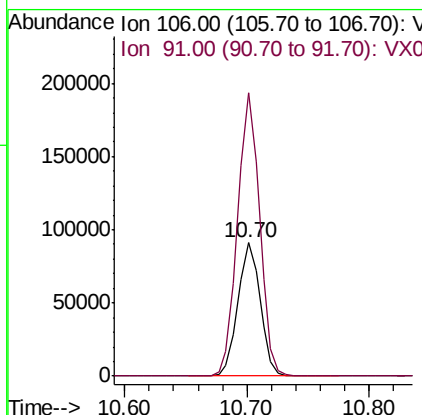
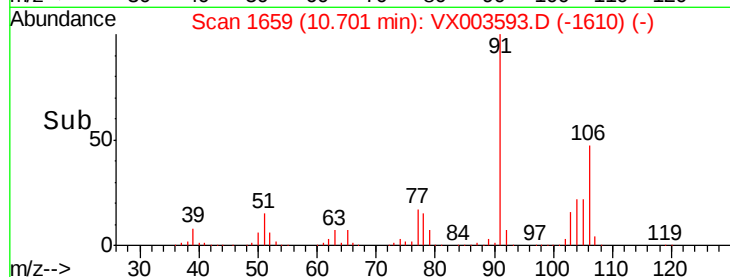
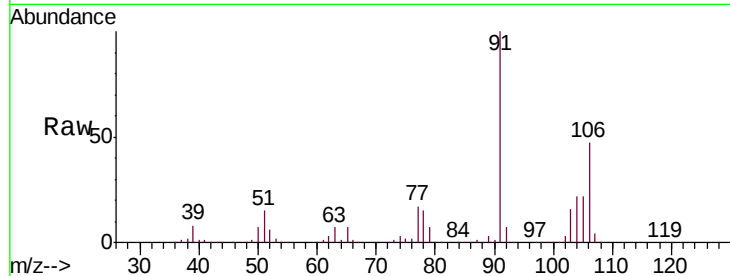
#69
o-Xylene
Concen: 19.589 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion:106 Resp: 114784
Ion Ratio Lower Upper
106 100
91 209.8 108.2 324.6

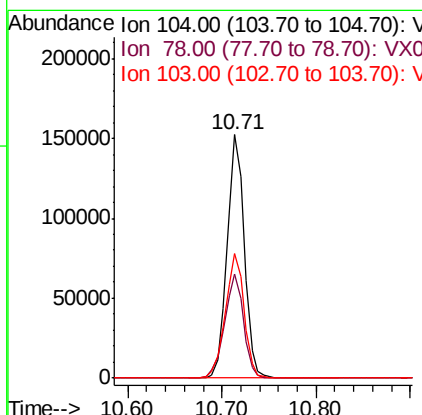
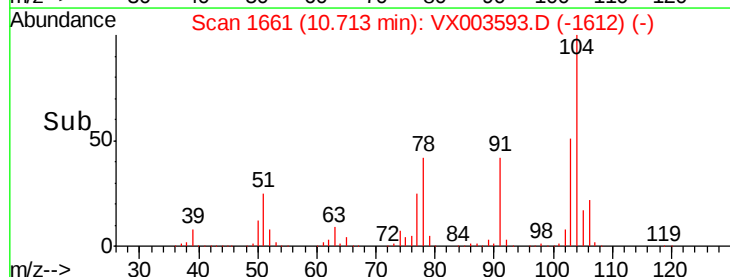
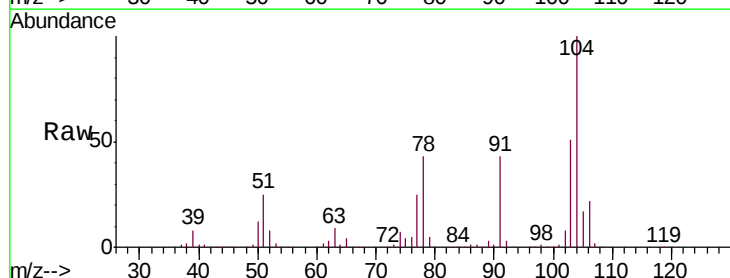
Manual Integrations
APPROVED

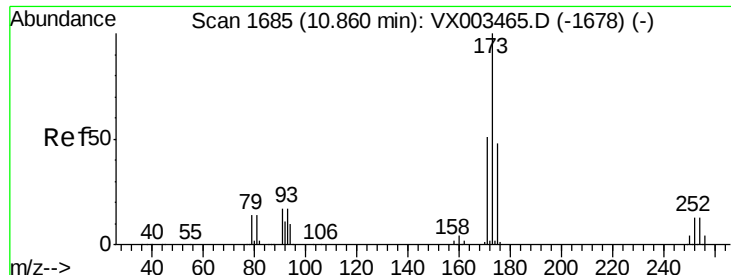
MMDadoda
7/24/2018 12:37:22 PM



#70
Styrene
Concen: 20.117 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion:104 Resp: 193902
Ion Ratio Lower Upper
104 100
78 46.9 41.0 61.6
103 55.7 44.2 66.4





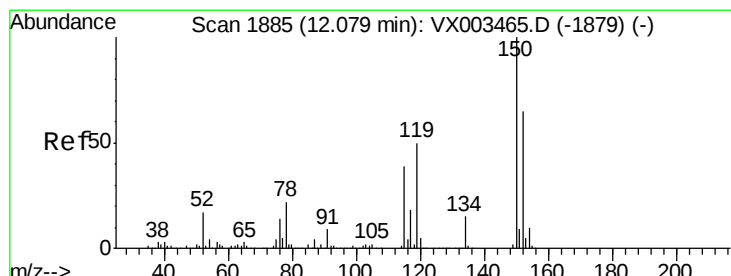
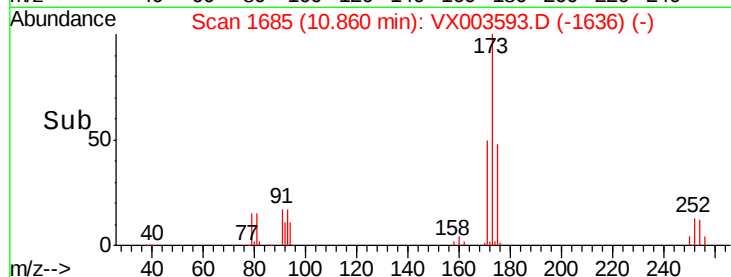
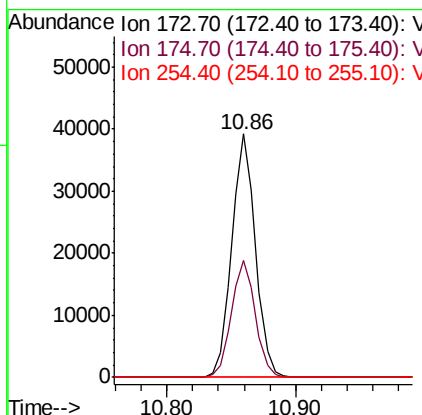
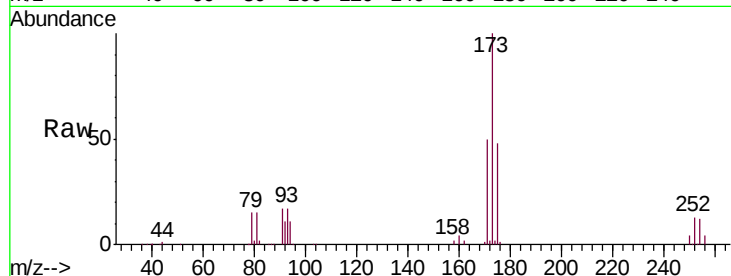
#71
Bromoform
Concen: 19.569 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.0	0.2	0.2

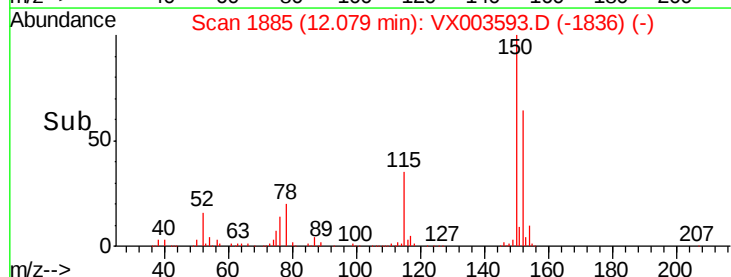
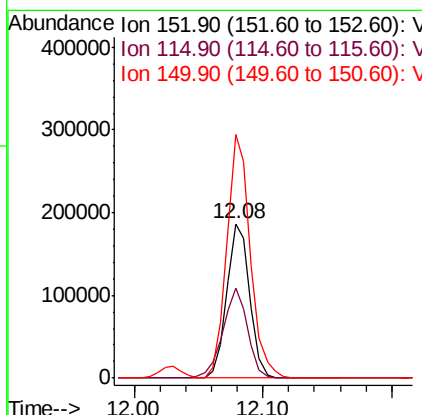
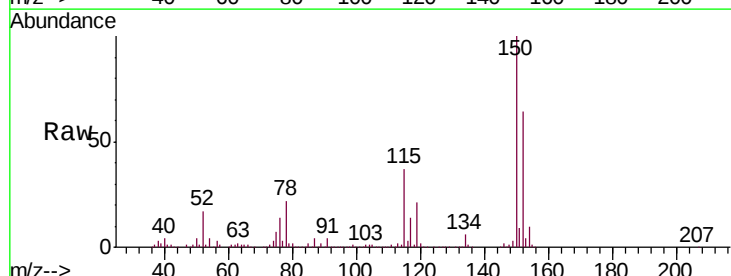
Manual Integrations
APPROVED

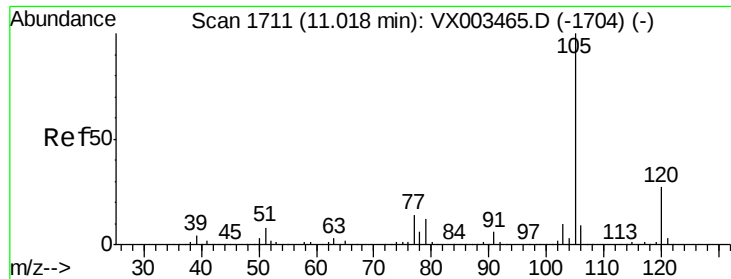
MMDadoda
7/24/2018 12:37:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	40.1	120.2
150	162.7	0.0	347.2





#73

Isopropylbenzene

Concen: 19.528 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampled :

VX0723WBS01

Tot Ion: 105 Resp: 313869

Ion Ratio Lower Upper

105 100

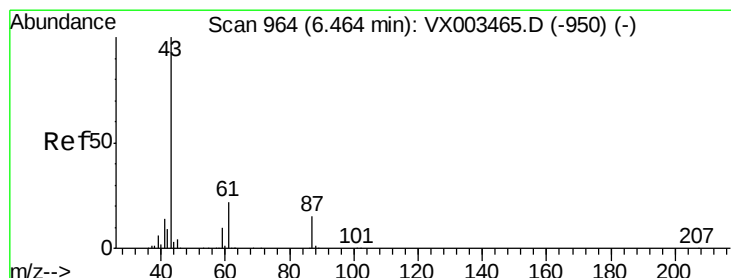
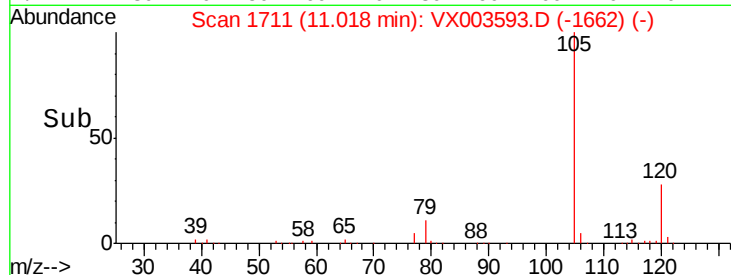
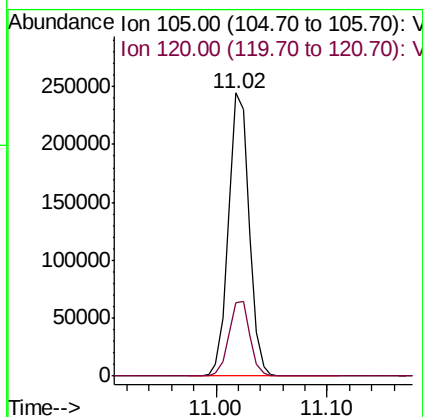
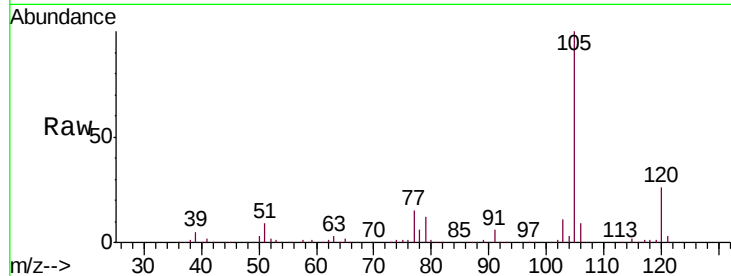
120 27.0 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



#74

N-ethyl acetate

Concen: 18.987 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion: 43 Resp: 129584

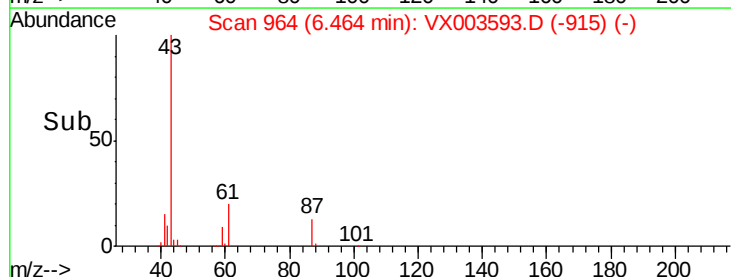
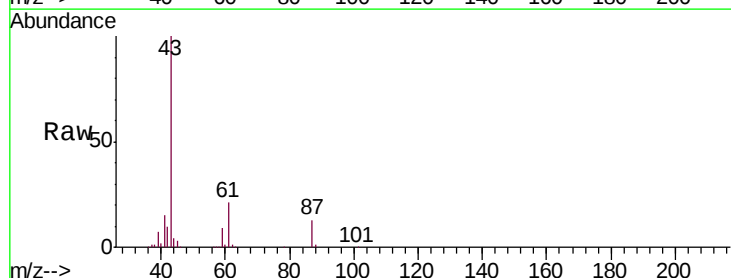
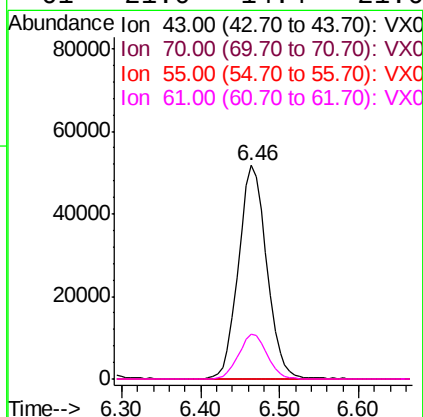
Ion Ratio Lower Upper

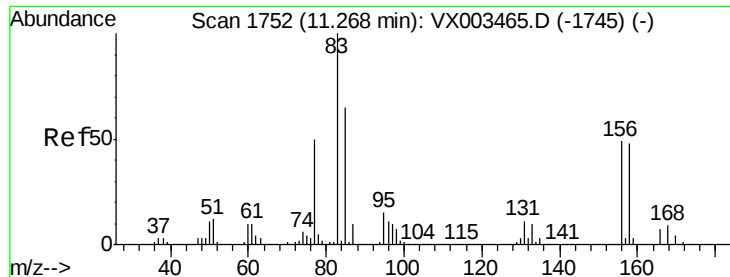
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.971 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

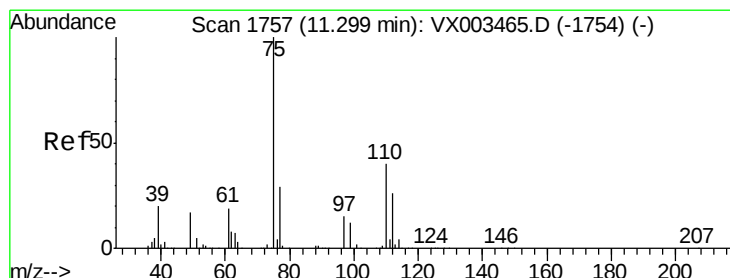
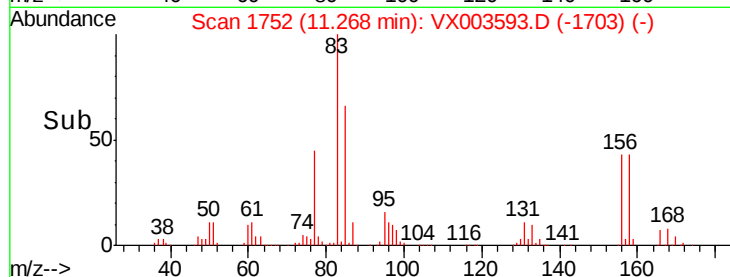
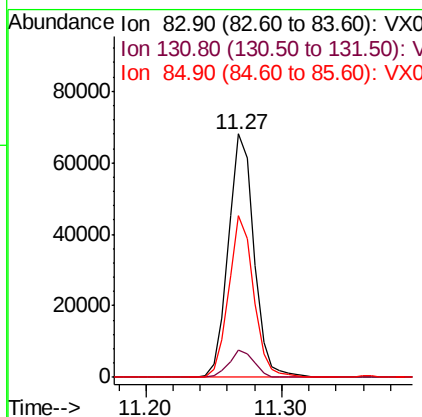
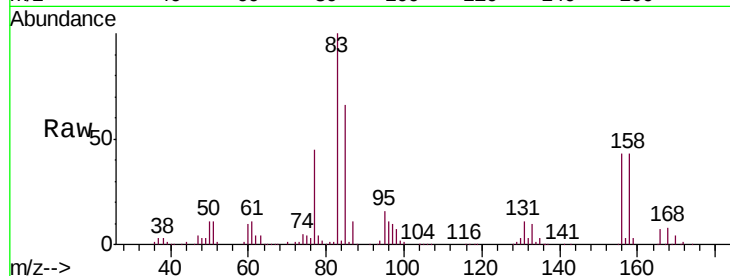
ClientSampleId :

VX0723WBS01

Tot Ion:	83	Resp:	89356
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.6	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#76

1,2,3-Trichloropropane

Concen: 20.269 ug/l m

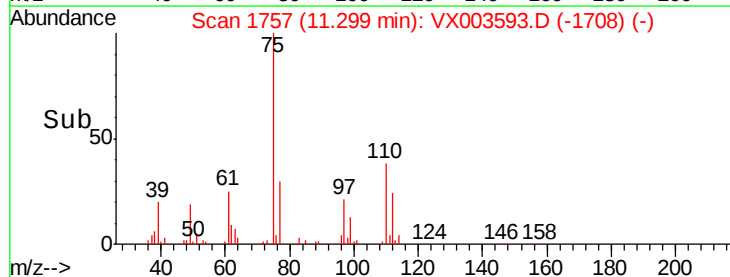
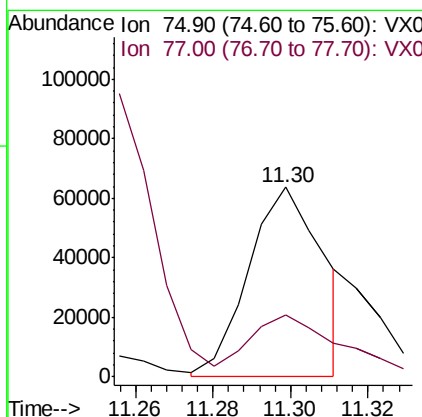
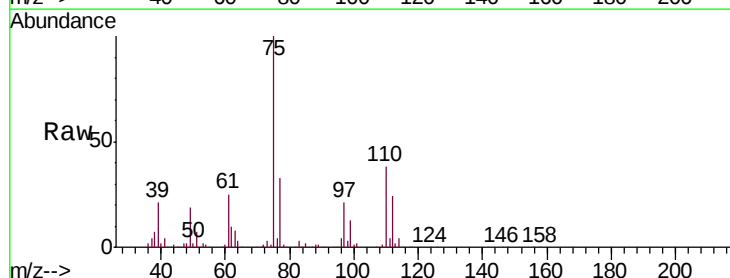
RT: 11.30 min Scan# 1757

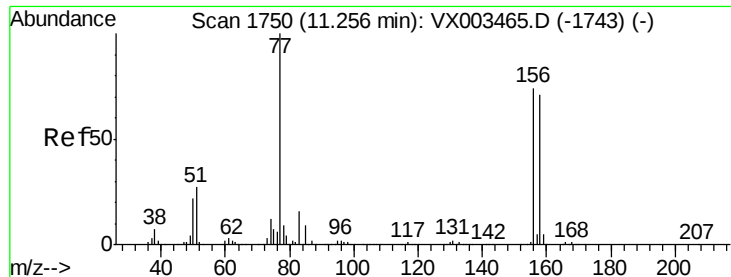
Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Tgt Ion:	75	Resp:	84625
Ion Ratio	Lower	Upper	
75	100		
77	40.6	22.8	68.3





#77

Bromobenzene

Concen: 19.102 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion:156 Resp: 88308

Ion Ratio Lower Upper

156 100

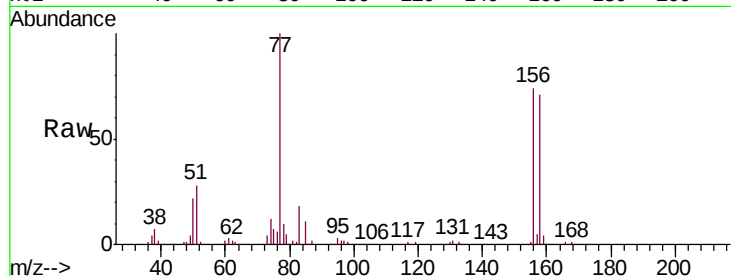
77 136.3 71.4 214.2

158 98.0 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

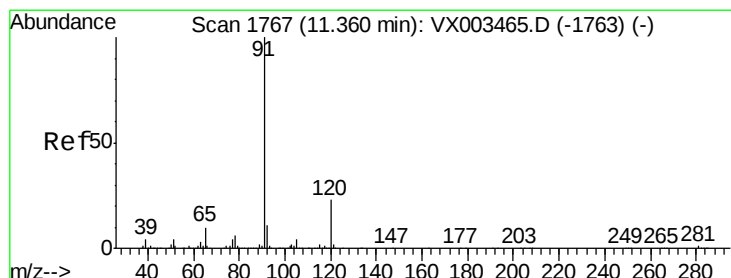
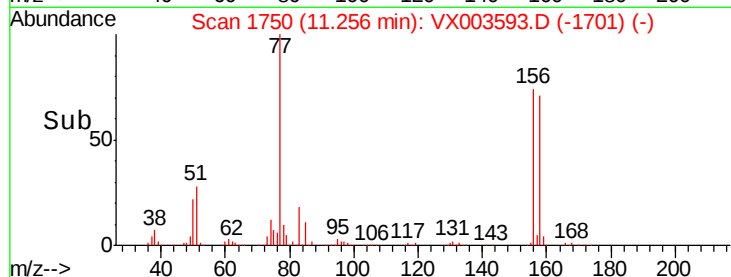
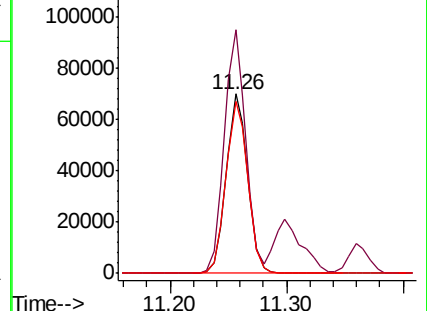
7/24/2018 12:37:22 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.065 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003593.D

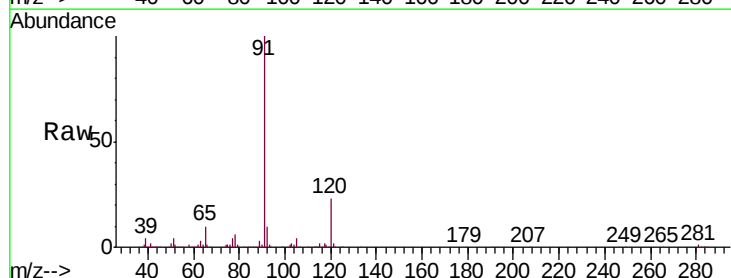
Acq: 23 Jul 2018 10:17

Tgt Ion: 91 Resp: 358502

Ion Ratio Lower Upper

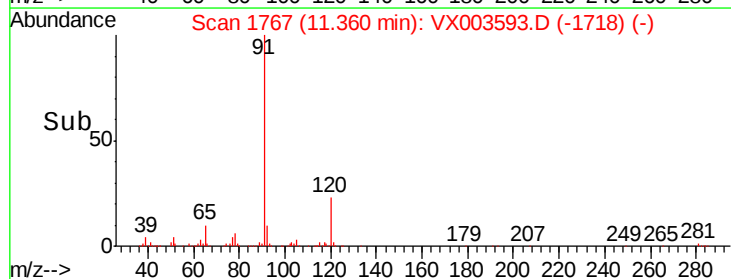
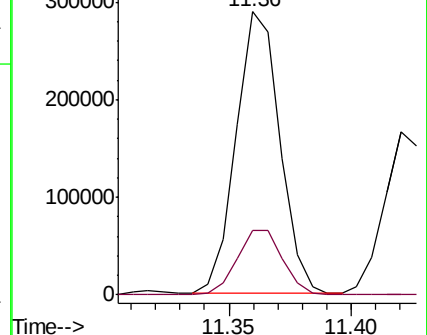
91 100

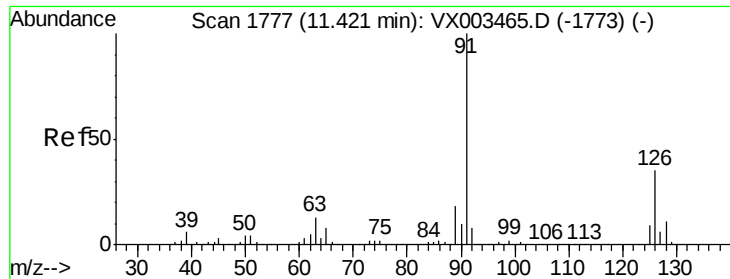
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.588 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampleId :

VX0723WBS01

Tot Ion: 91 Resp: 212458

Ion Ratio Lower Upper

91 100

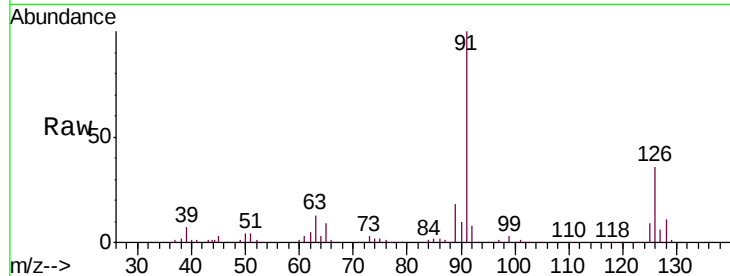
126 36.5 17.7 53.1

Manual Integrations

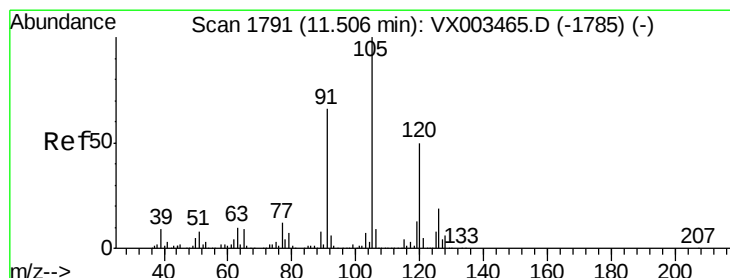
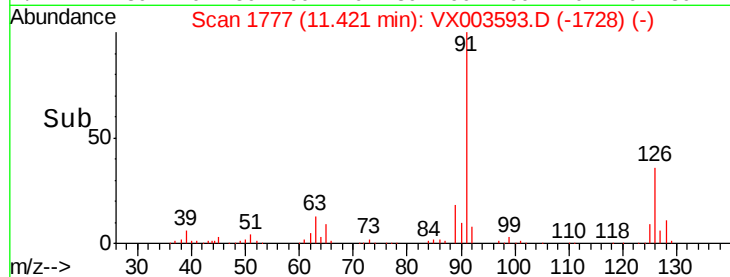
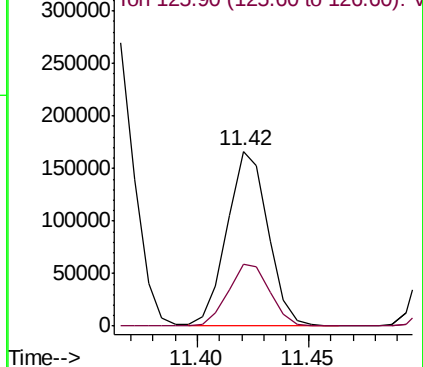
APPROVED

MMDadoda

7/24/2018 12:37:22 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.921 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003593.D

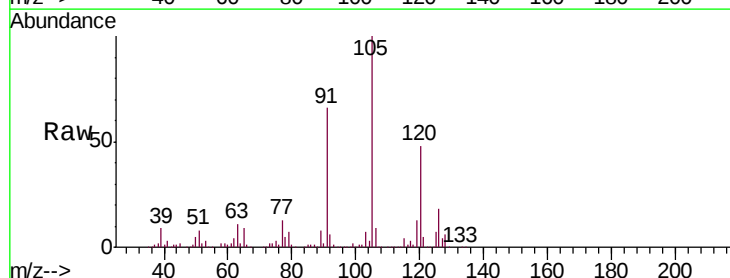
Acq: 23 Jul 2018 10:17

Tgt Ion: 105 Resp: 263142

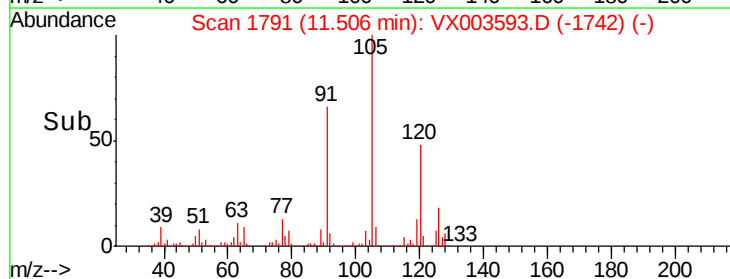
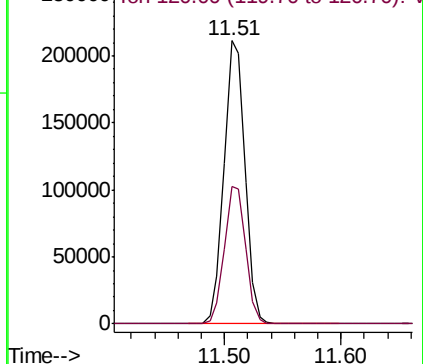
Ion Ratio Lower Upper

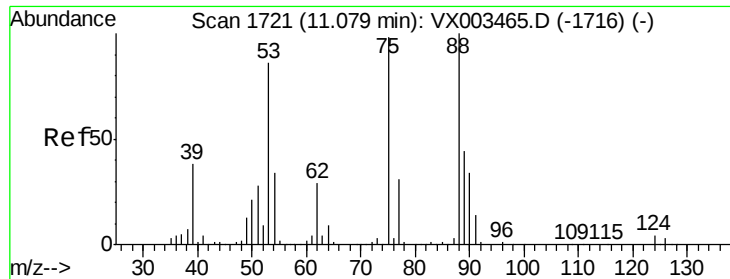
105 100

120 49.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)





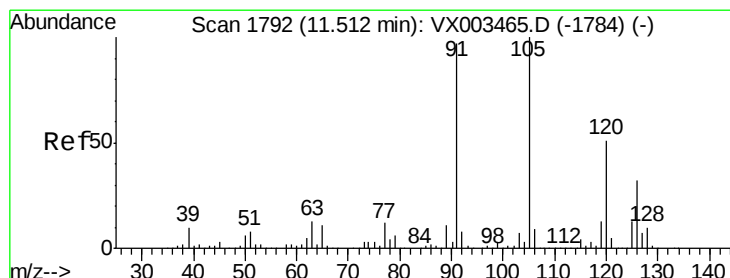
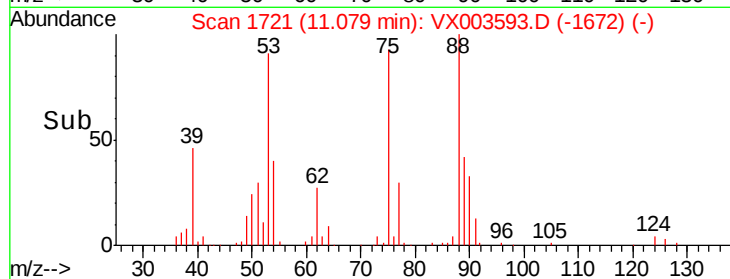
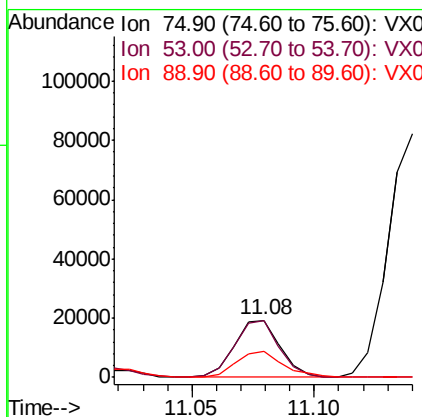
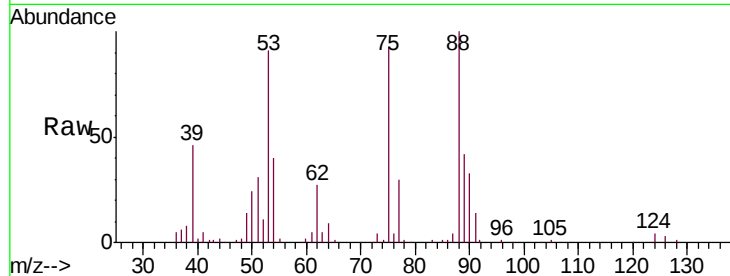
#81
trans-1,4-Dichloro-2-butene
Concen: 18.328 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	86.8	130.2
89	48.9	38.2	57.2

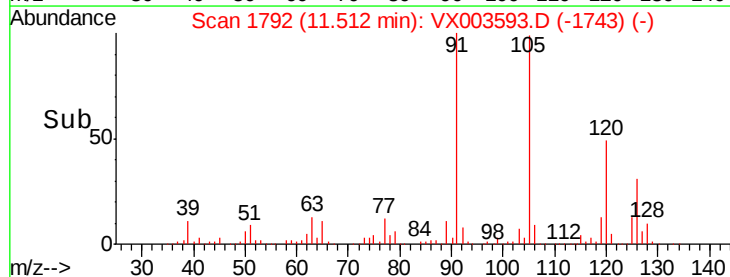
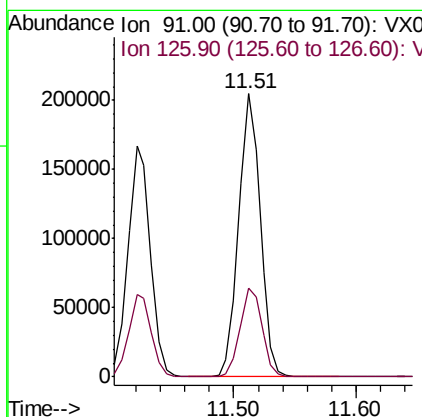
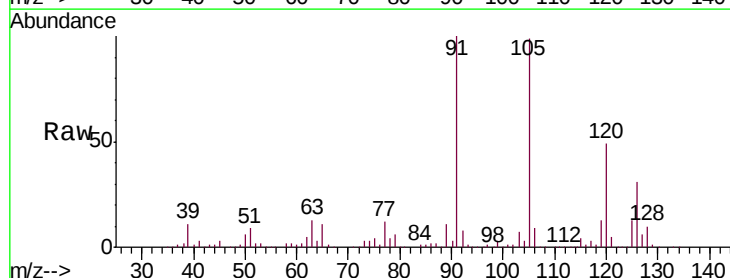
Manual Integrations
APPROVED

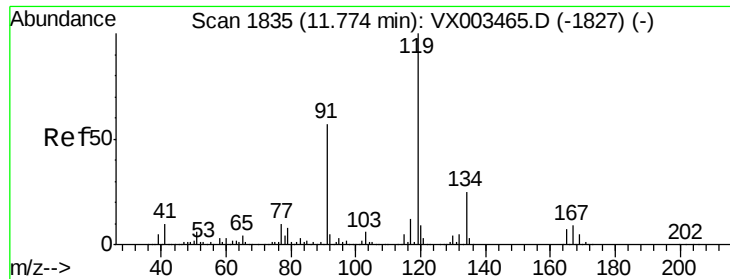
MMDadoda
7/24/2018 12:37:22 PM



#82
4-Chlorotoluene
Concen: 19.639 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.4





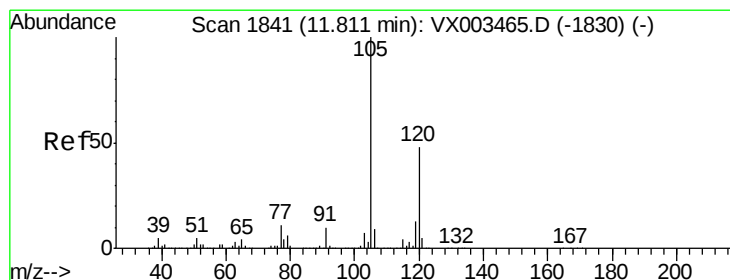
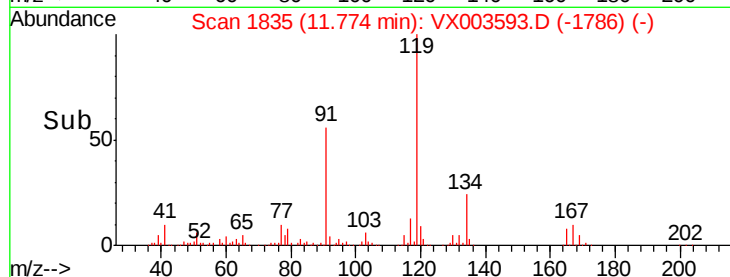
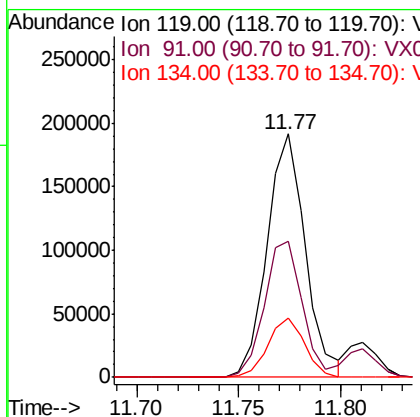
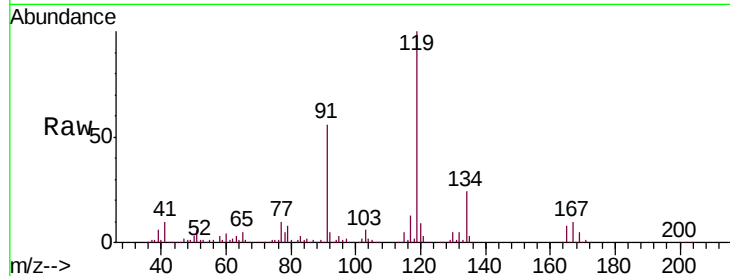
#83
tert-Butylbenzene
Concen: 19.312 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249829		
91	55.2	30.3	90.9	
134	23.7	11.7	35.1	

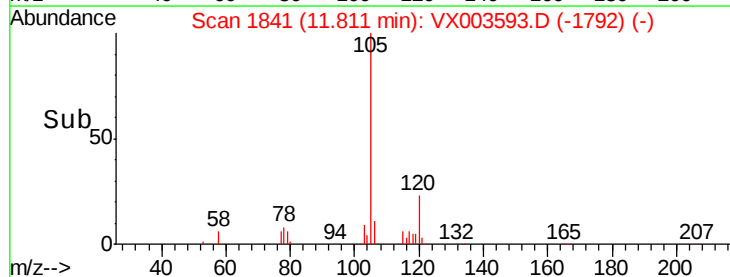
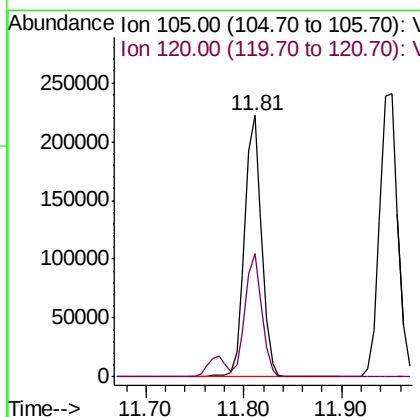
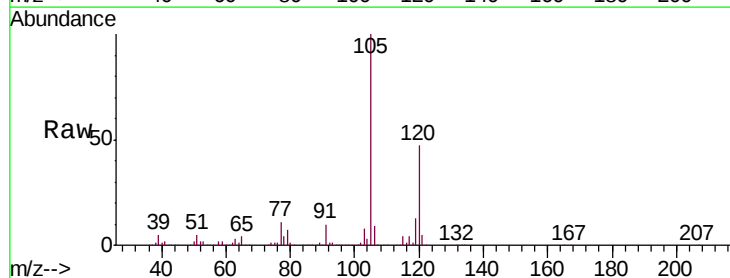
Manual Integrations
APPROVED

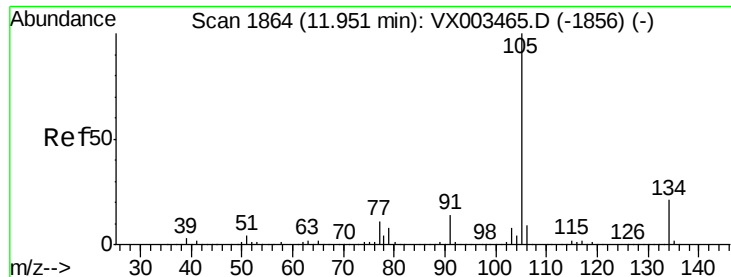
MMDadoda
7/24/2018 12:37:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.930 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267887		
120	46.6	22.3	66.8	





#85

sec-Butylbenzene

Concen: 19.850 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

Instrument :

MSVOA_X

ClientSampled :

VX0723WBS01

Tot Ion:105 Resp: 311900

Ion Ratio Lower Upper

105 100

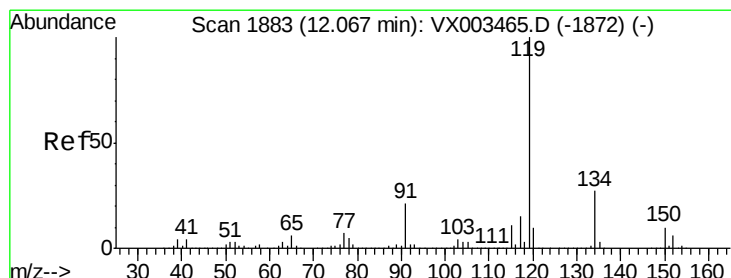
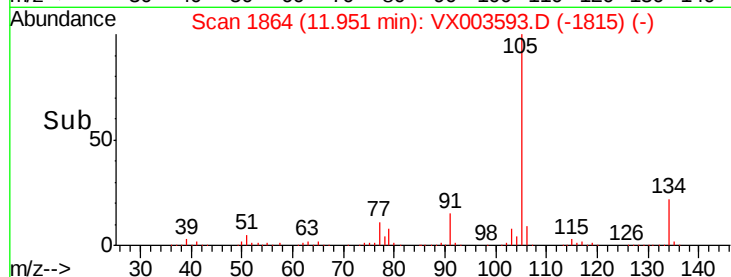
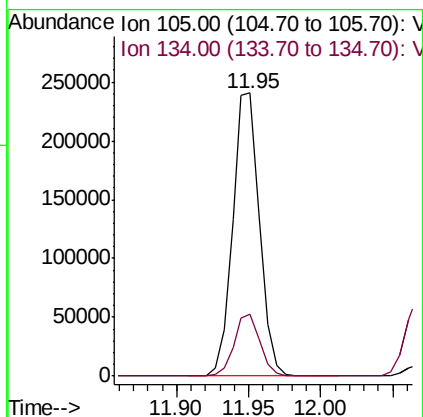
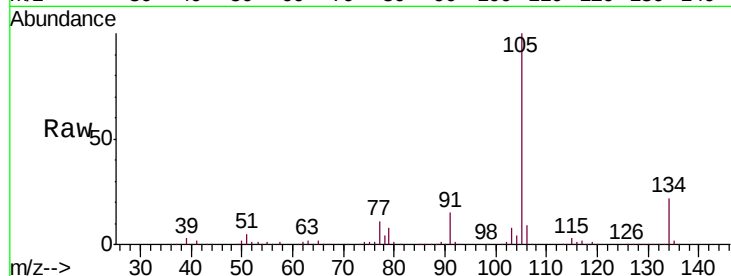
134 21.1 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

7/24/2018 12:37:22 PM



#86

p-Isopropyltoluene

Concen: 19.952 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003593.D

Acq: 23 Jul 2018 10:17

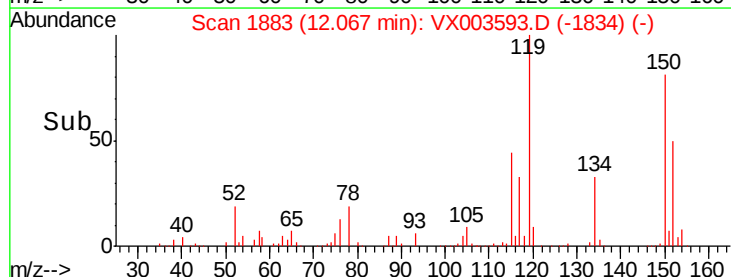
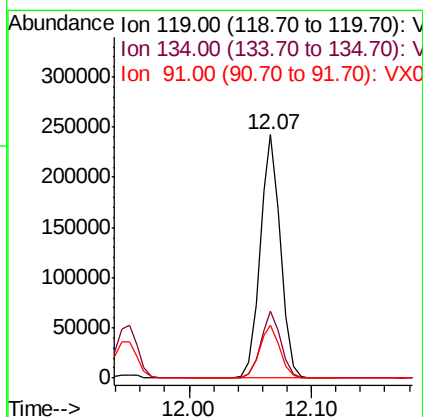
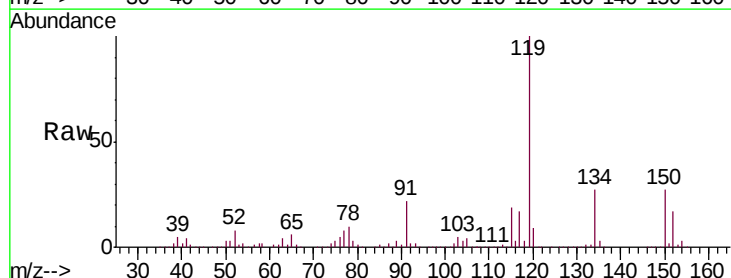
Tgt Ion:119 Resp: 281346

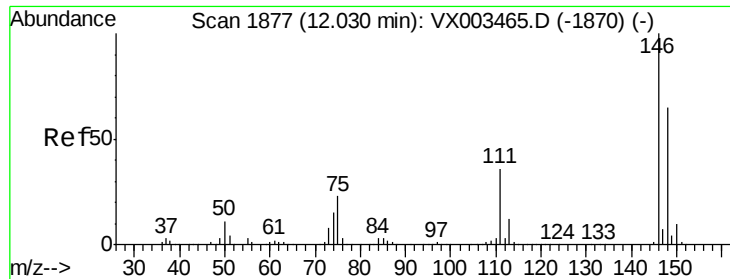
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.9 35.7





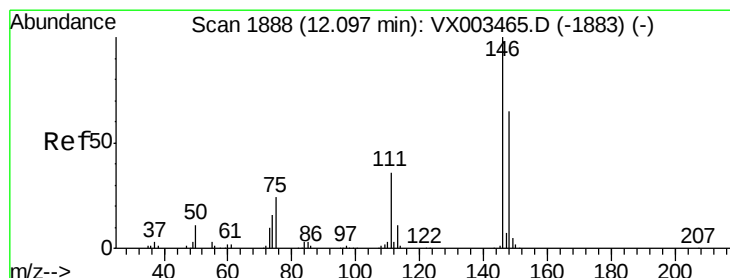
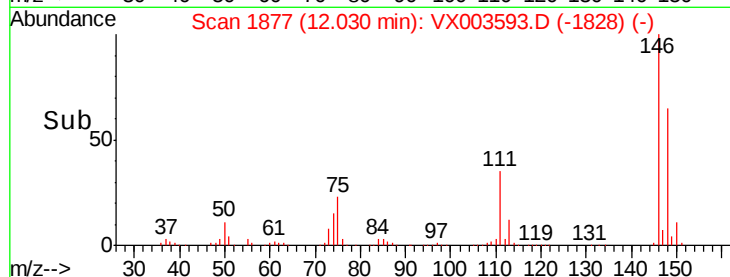
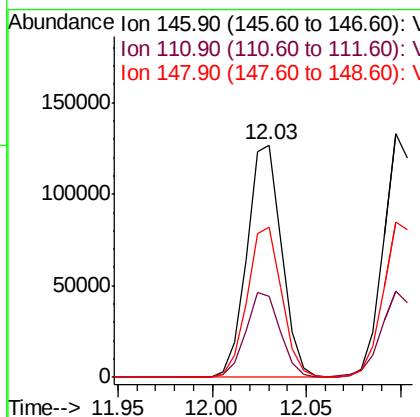
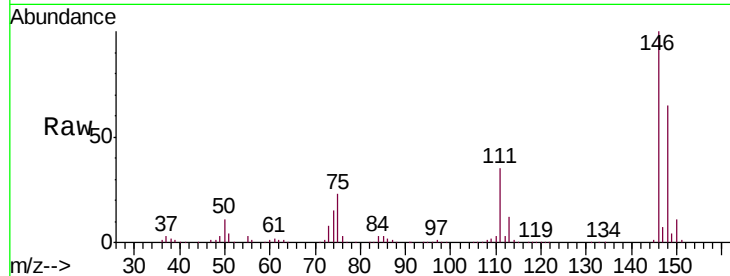
#87
 1,3-Dichlorobenzene
 Concen: 19.051 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.7
148	64.5	32.1	96.3

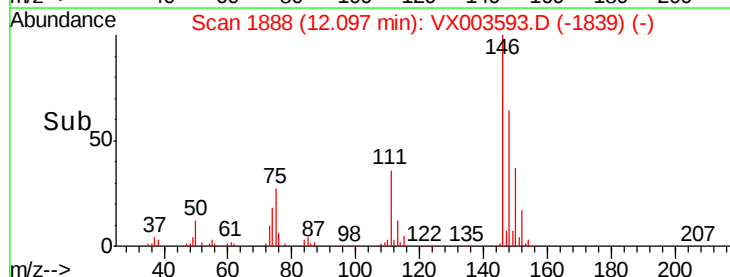
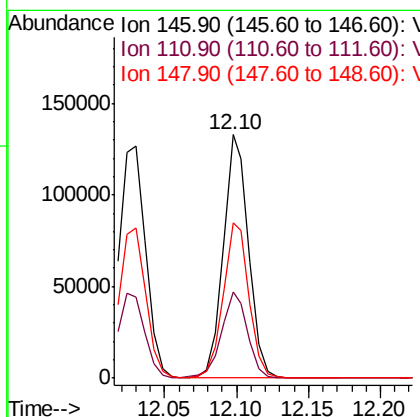
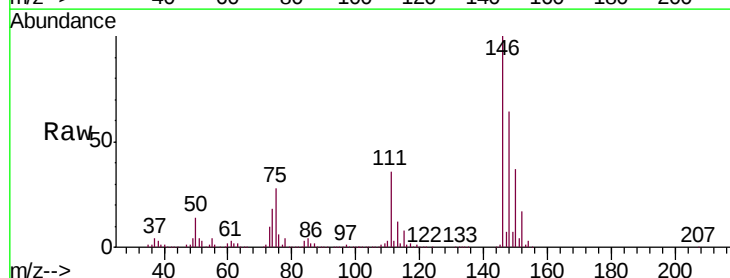
Manual Integrations
 APPROVED

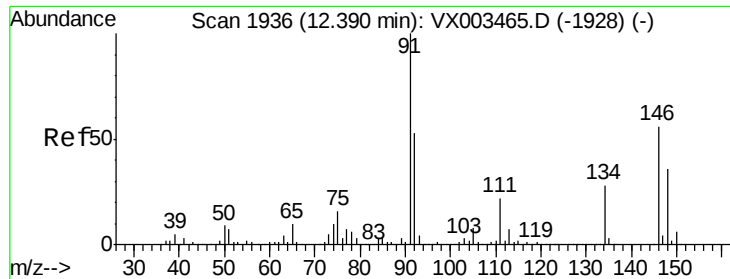
MMDadoda
 7/24/2018 12:37:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.693 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	65.2	32.4	97.0





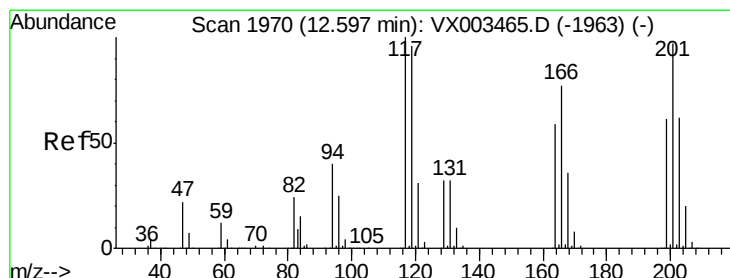
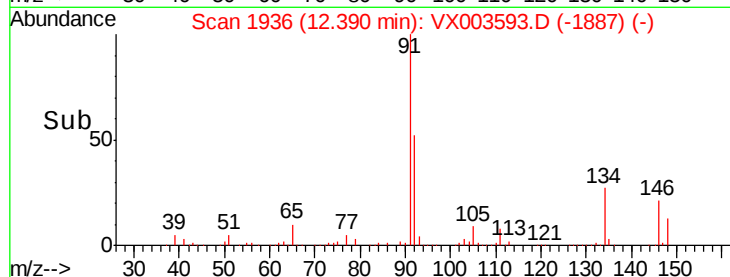
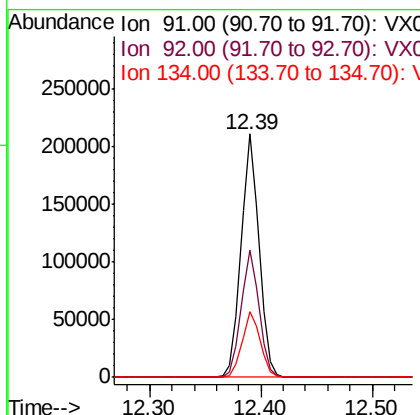
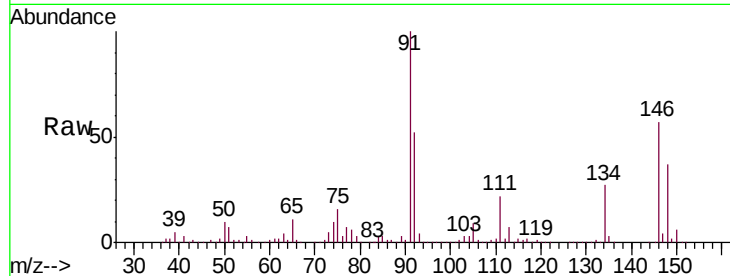
#89
n-Butylbenzene
Concen: 19.708 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	27.3	13.5	40.5

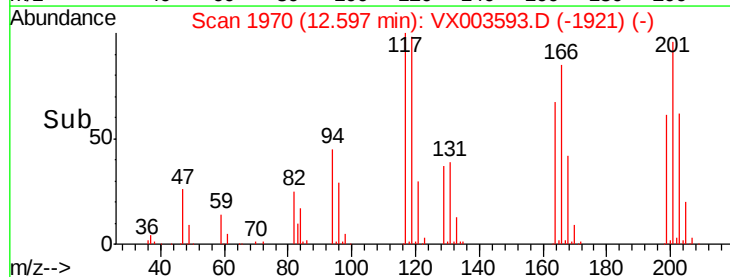
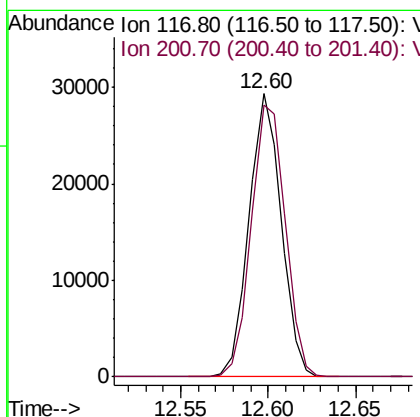
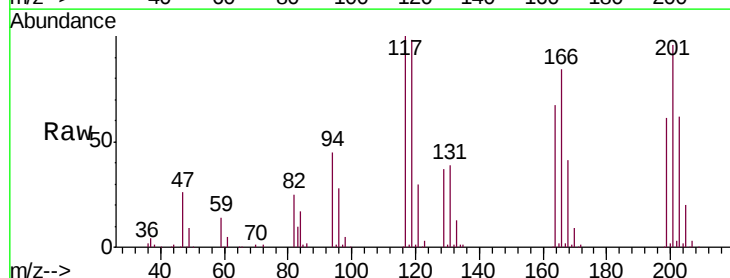
Manual Integrations
APPROVED

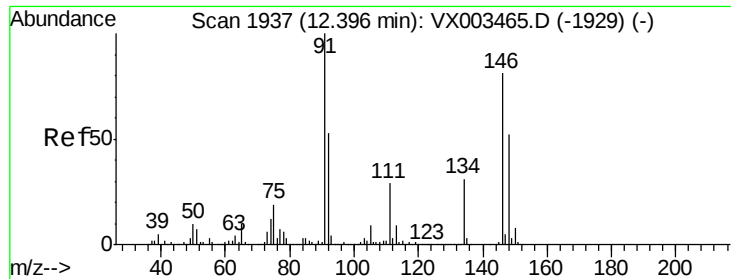
MMDadoda
7/24/2018 12:37:22 PM



#90
Hexachloroethane
Concen: 18.722 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.7	49.0	147.0





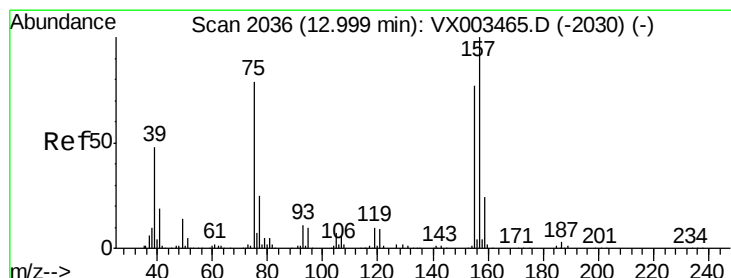
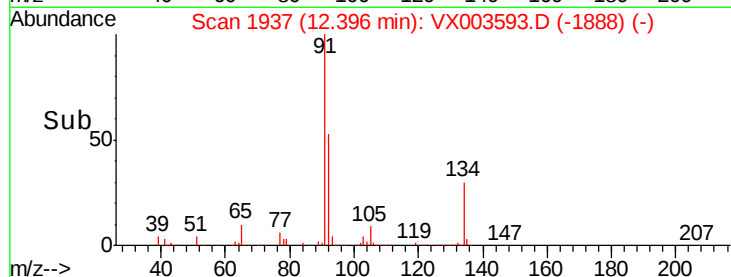
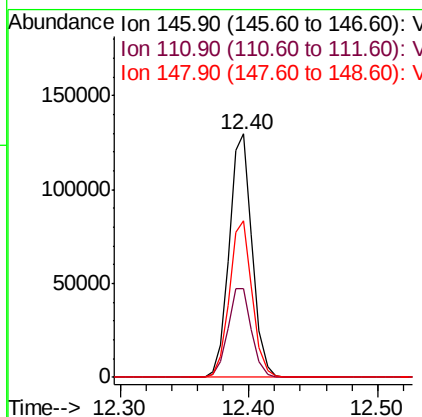
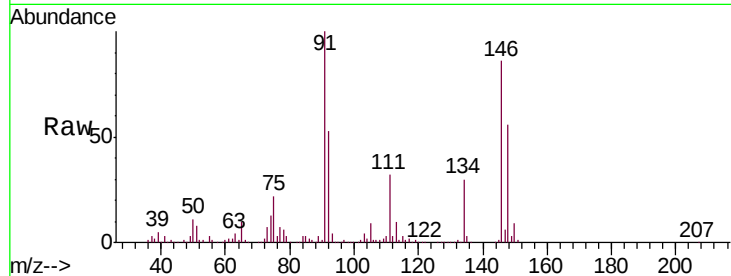
#91
 1,2-Dichlorobenzene
 Concen: 19.298 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.1
148	63.9	31.7	95.1

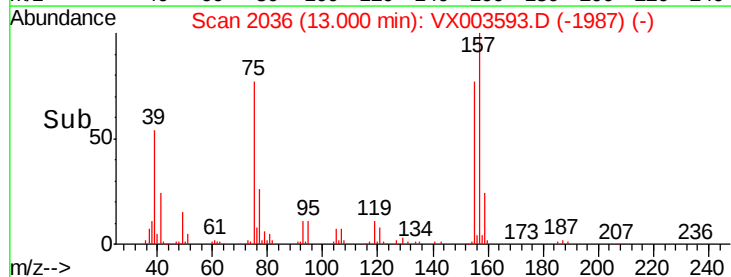
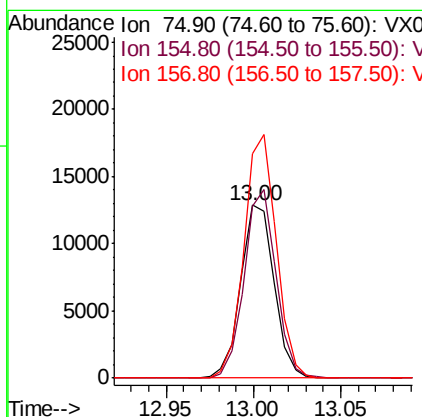
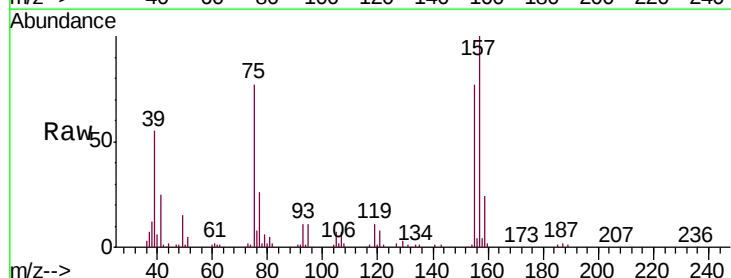
Manual Integrations
 APPROVED

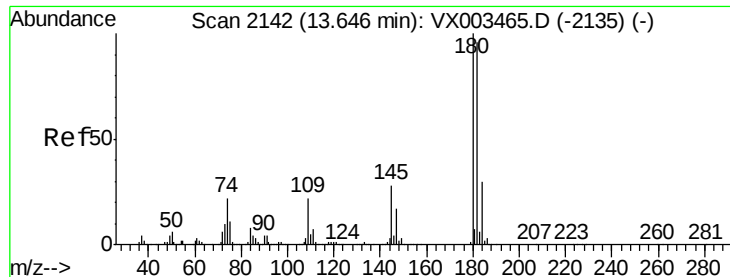
MMDadoda
 7/24/2018 12:37:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.674 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	45.8	137.4
157	135.5	60.1	180.3





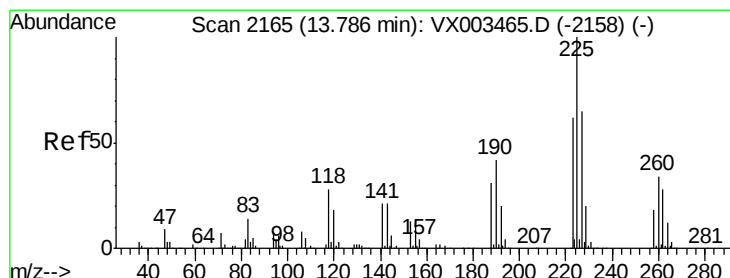
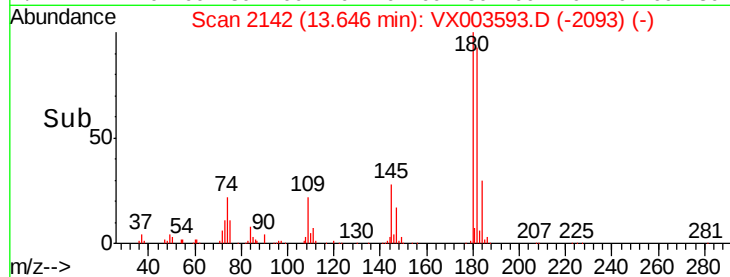
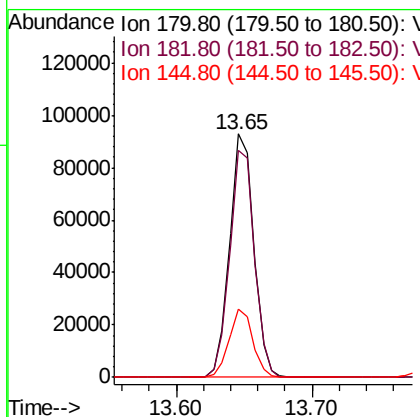
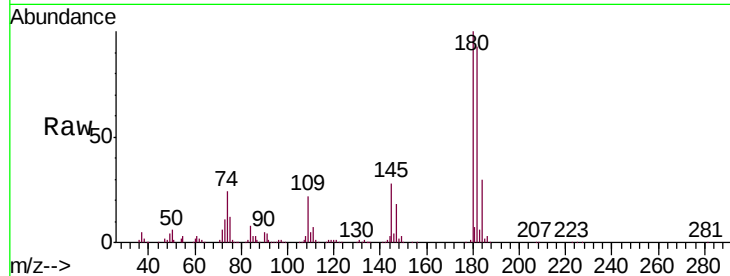
#93
 1,2,4-Trichlorobenzene
 Concen: 18.688 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114708		
182	95.3	47.7	143.1	
145	27.7	14.1	42.4	

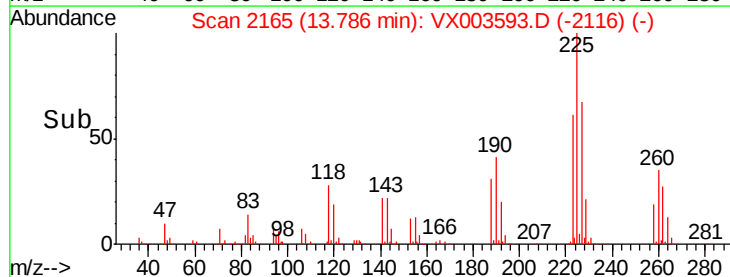
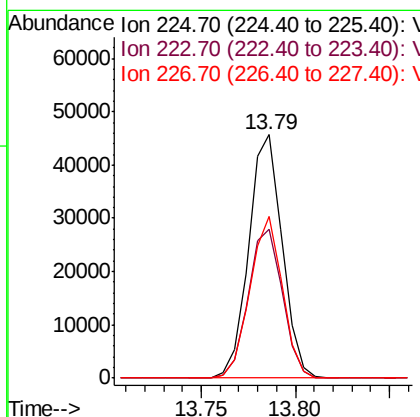
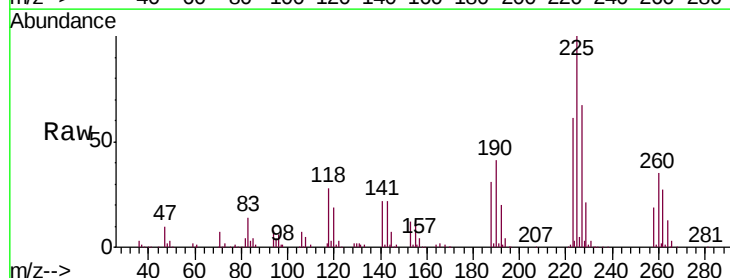
Manual Integrations
 APPROVED

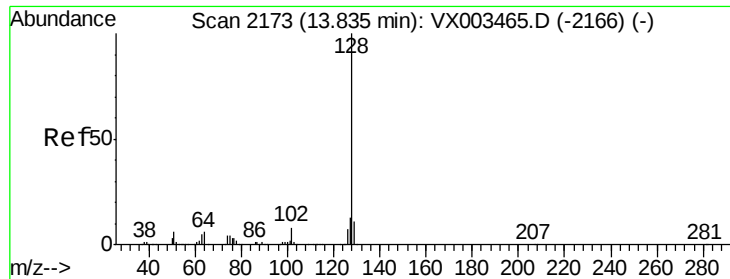
MMDadoda
 7/24/2018 12:37:22 PM



#94
 Hexachlorobutadiene
 Concen: 19.011 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003593.D
 Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56120		
223	62.6	31.6	95.0	
227	64.4	32.4	97.2	





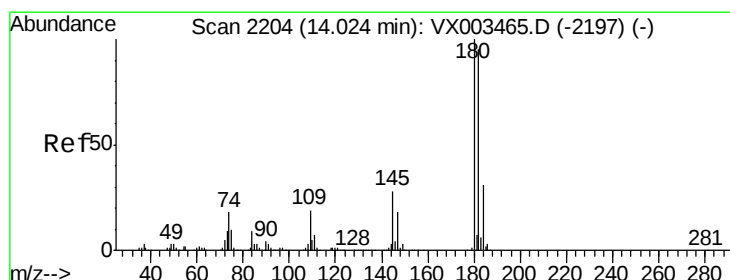
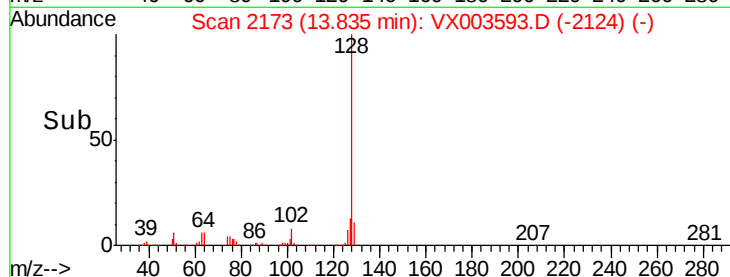
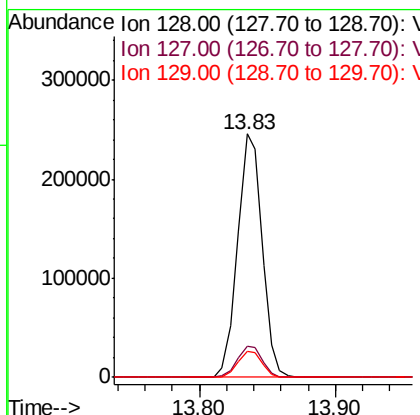
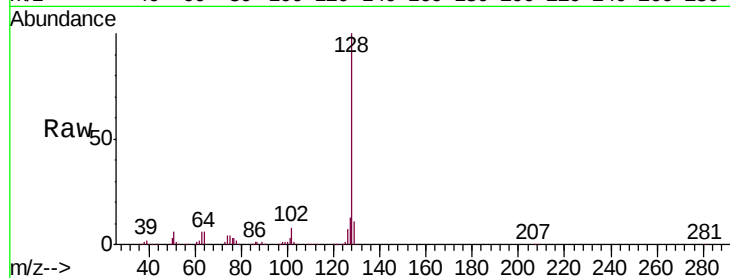
#95
Naphthalene
Concen: 19.116 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.885 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003593.D
Acq: 23 Jul 2018 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	29.6	14.8	44.3

