

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004022.D
 Acq On : 14 Aug 2018 10:41
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:14:21 PM

Quant Time: Aug 14 13:06:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	374622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	541650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	510007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3931	1.04	ug/l	100
3) Chloromethane	1.32	50	5224	1.01	ug/l	99
4) Vinyl Chloride	1.40	62	5478	1.06	ug/l	98
5) Bromomethane	1.64	94	4033	1.23	ug/l	93
6) Chloroethane	1.73	64	5435	1.65	ug/l	91
7) Trichlorofluoromethane	1.93	101	8091	1.19	ug/l	91
8) Diethyl Ether	2.18	74	3538	1.16	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5111	1.20	ug/l	98
12) 1,1-Dichloroethene	2.37	96	4518	1.12	ug/l	96
14) Allyl chloride	2.73	41	8765	1.13	ug/l	99
15) Acrylonitrile	3.14	53	14808	5.20	ug/l	99
16) Acetone	2.43	43	16715	5.66	ug/l	95
17) Carbon Disulfide	2.57	76	13285	1.08	ug/l	98
18) Methyl Acetate	2.77	43	7620	1.18	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	16190	1.14	ug/l	97
20) Methylene Chloride	2.86	84	6717	0.94	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	5463	1.20	ug/l	96
22) Diisopropyl ether	3.86	45	17101	1.20	ug/l	97
23) Vinyl Acetate	3.82	43	63068	5.32	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9828	1.16	ug/l	98
25) 2-Butanone	4.69	43	25125	5.66	ug/l	97
26) 2,2-Dichloropropane	4.58	77	8188	1.34	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5861	1.18	ug/l	78
28) Bromochloromethane	5.01	49	4254	1.17	ug/l #	94
29) Tetrahydrofuran	5.15	42	13583	5.95	ug/l	94
30) Chloroform	5.21	83	9653	1.21	ug/l	97
31) Cyclohexane	5.57	56	8851	1.24	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	7525	1.13	ug/l #	47
36) 1,1-Dichloropropene	5.80	75	7365	1.21	ug/l	99
37) Ethyl Acetate	4.84	43	7653	1.15	ug/l #	90
38) Carbon Tetrachloride	5.79	117	6855	1.19	ug/l	90
39) Methylcyclohexane	7.46	83	7535	1.05	ug/l	97
40) Benzene	6.14	78	21096	1.16	ug/l	98
41) Methacrylonitrile	5.06	41	4528	1.23	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004022.D
 Acq On : 14 Aug 2018 10:41
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:14:21 PM

Quant Time: Aug 14 13:06:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	7610	1.24	ug/l	99
43) Isopropyl Acetate	6.46	43	10434	1.04	ug/l	97
44) Trichloroethene	7.21	130	5921	1.19	ug/l	91
45) 1,2-Dichloropropane	7.52	63	5312	1.13	ug/l	98
46) Dibromomethane	7.66	93	3502	1.15	ug/l	97
47) Bromodichloromethane	7.90	83	6225	1.08	ug/l	98
48) Methyl methacrylate	7.78	41	4743	0.93	ug/l	97
49) 1,4-Dioxane	7.76	88	2142	17.81	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	38078	4.57	ug/l	93
52) Toluene	8.79	92	12422	1.08	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	5786	0.89	ug/l	92
54) cis-1,3-Dichloropropene	8.43	75	6873	0.98	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	5563	1.18	ug/l	93
56) Ethyl methacrylate	9.18	69	5608	0.82	ug/l	95
57) 1,3-Dichloropropane	9.37	76	8647	1.10	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	13059	3.89	ug/l	100
59) 2-Hexanone	9.50	43	27021	4.34	ug/l	91
60) Dibromochloromethane	9.59	129	4734	1.08	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5200	1.10	ug/l	98
64) Tetrachloroethene	9.34	164	5660	1.13	ug/l	89
65) Chlorobenzene	10.14	112	15838	1.19	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	4706	1.03	ug/l #	66
67) Ethyl Benzene	10.25	91	21826	1.00	ug/l	97
68) m/p-Xylenes	10.36	106	15703	1.85	ug/l	99
69) o-Xylene	10.70	106	7107	0.89	ug/l	96
70) Styrene	10.71	104	10712	0.82	ug/l	99
71) Bromoform	10.85	173	3194	0.94	ug/l #	99
73) Isopropylbenzene	11.02	105	18265	0.89	ug/l	97
74) N-amyl acetate	6.46	43	10434	0.98	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	7656	1.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	6127m	1.00	ug/l	
77) Bromobenzene	11.26	156	5731	1.05	ug/l	99
78) n-propylbenzene	11.36	91	19430	0.85	ug/l	98
79) 2-Chlorotoluene	11.42	91	13311	0.95	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	13594	0.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	1635	0.82	ug/l #	73
82) 4-Chlorotoluene	11.51	91	15159	0.92	ug/l	100
83) tert-Butylbenzene	11.77	119	14721	0.90	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	14087	0.84	ug/l	99
85) sec-Butylbenzene	11.94	105	16478	0.85	ug/l	97
86) p-Isopropyltoluene	12.07	119	14753	0.85	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11607	1.15	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	12355m	1.18	ug/l	
89) n-Butylbenzene	12.39	91	13957	0.92	ug/l	98
90) Hexachloroethane	12.60	117	2730	0.97	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	10847	1.08	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1198	0.83	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	6111	0.85	ug/l	99
94) Hexachlorobutadiene	13.79	225	3878	1.15	ug/l	95
95) Naphthalene	13.83	128	14798	0.72	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
Data File : VX004022.D
Acq On : 14 Aug 2018 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

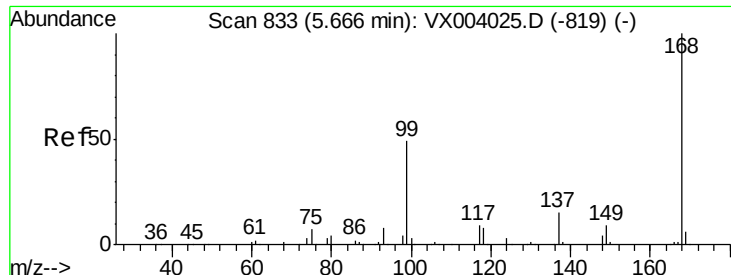
Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM

Quant Time: Aug 14 13:06:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 12:59:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	6682	0.93	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 374622

Ion Ratio Lower Upper

168 100

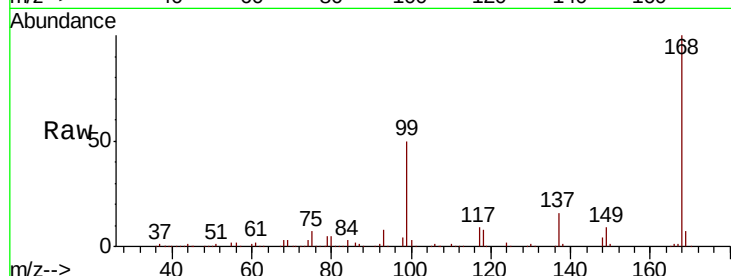
99 50.3 40.1 60.1

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

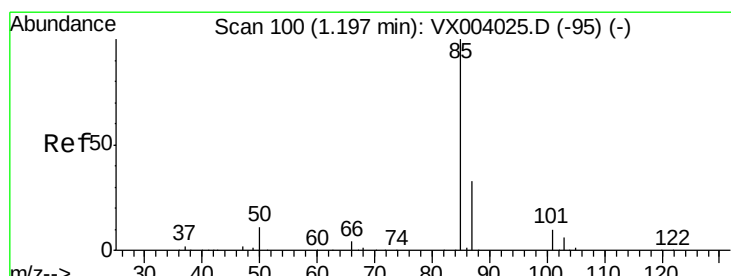
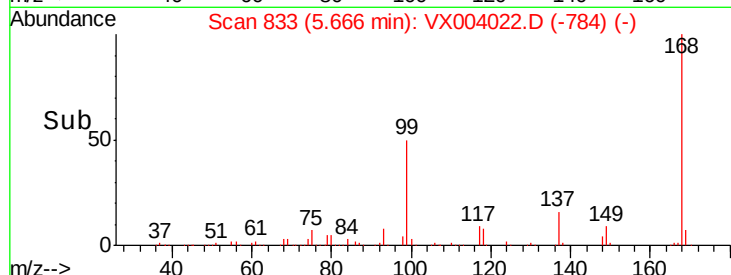
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.04 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004022.D

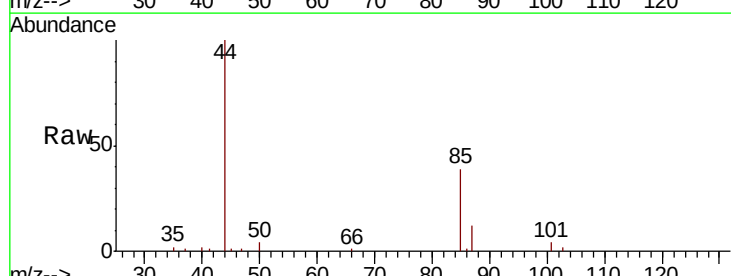
Acq: 14 Aug 2018 10:41

Tgt Ion: 85 Resp: 3931

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

3000

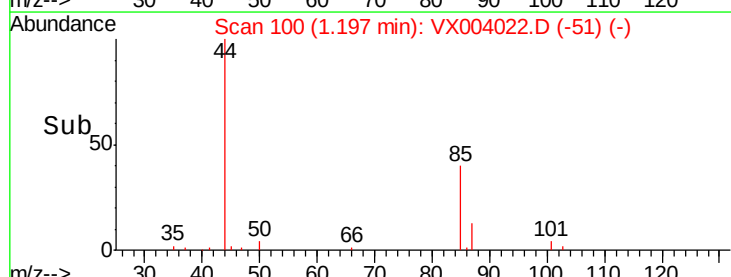
2000

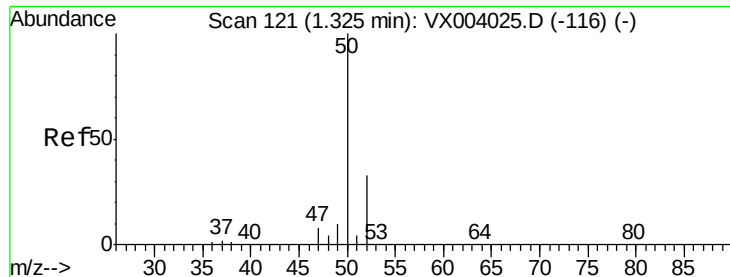
1000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 1.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5224

Ion Ratio Lower Upper

50 100

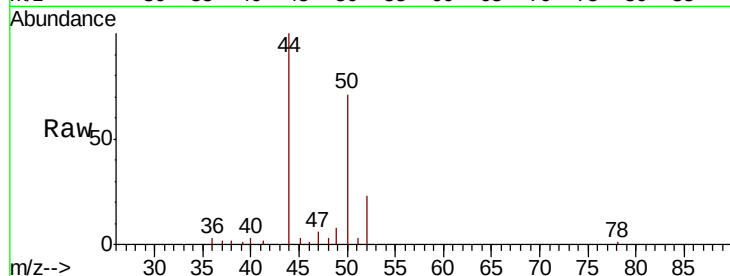
52 32.5 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

4000

3000

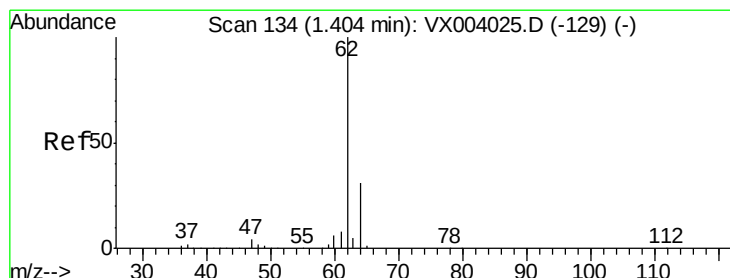
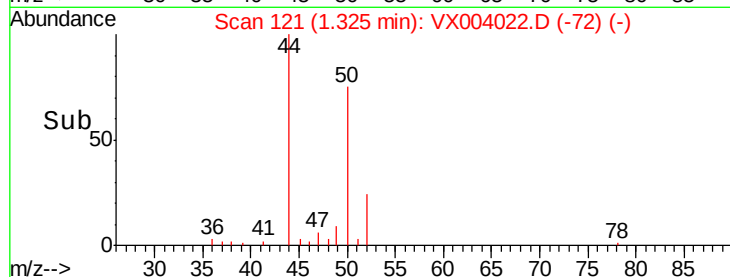
2000

1000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 1.06 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004022.D

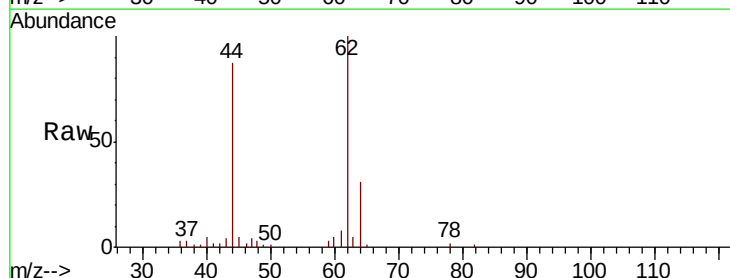
Acq: 14 Aug 2018 10:41

Tgt Ion: 62 Resp: 5478

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

6000

5000

4000

3000

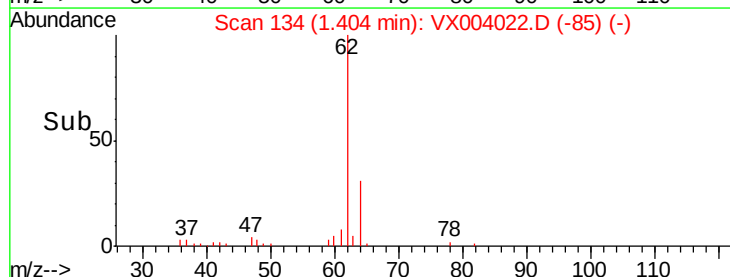
2000

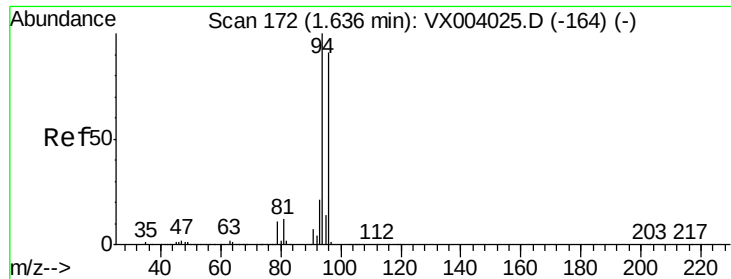
1000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 1.23 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 4033

Ion Ratio Lower Upper

94 100

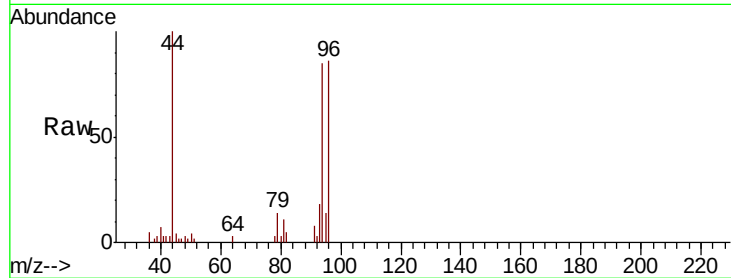
96 101.1 75.2 112.8

Manual Integrations

APPROVED

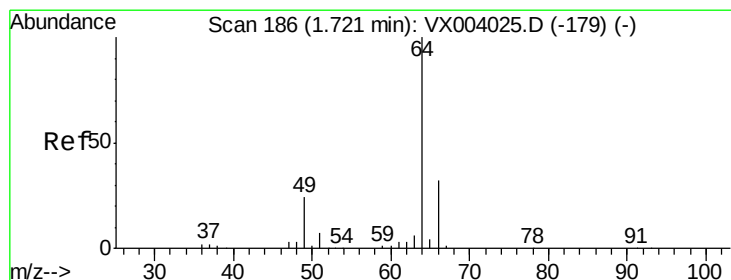
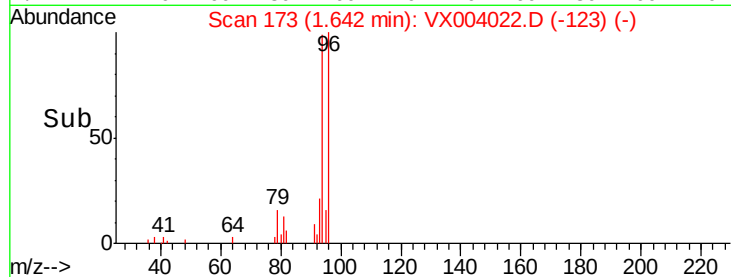
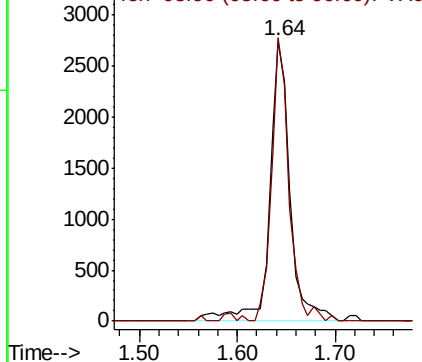
MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.65 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004022.D

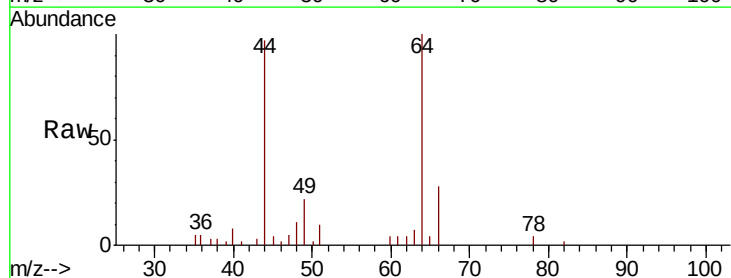
Acq: 14 Aug 2018 10:41

Tgt Ion: 64 Resp: 5435

Ion Ratio Lower Upper

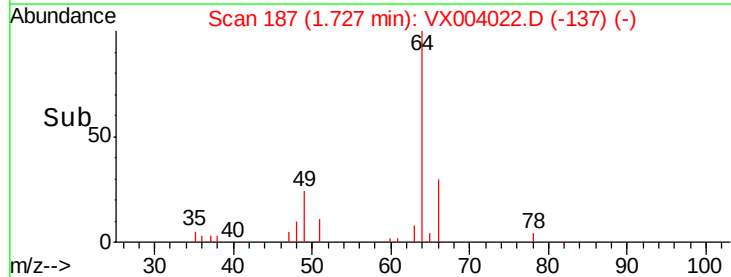
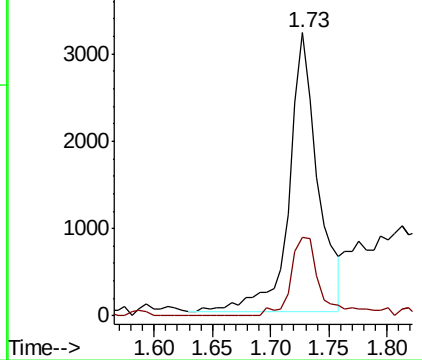
64 100

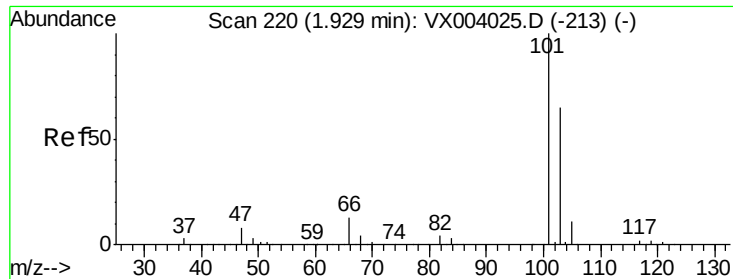
66 28.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

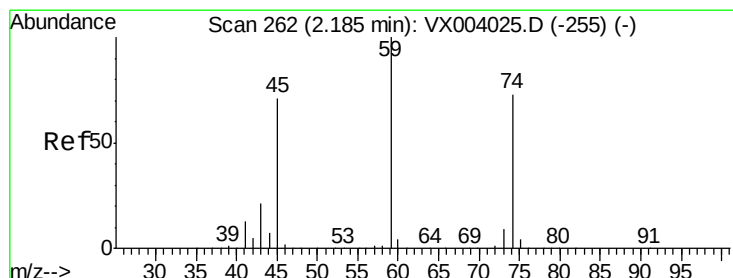
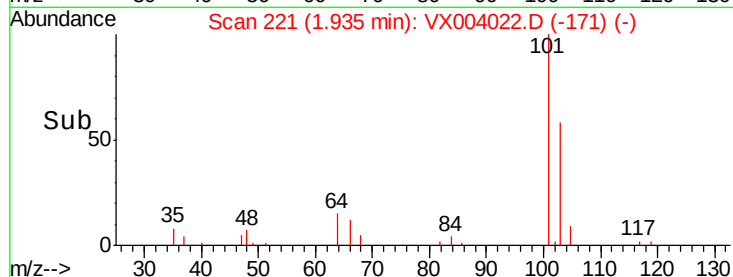
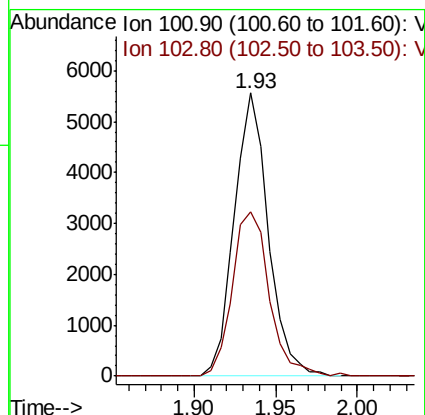
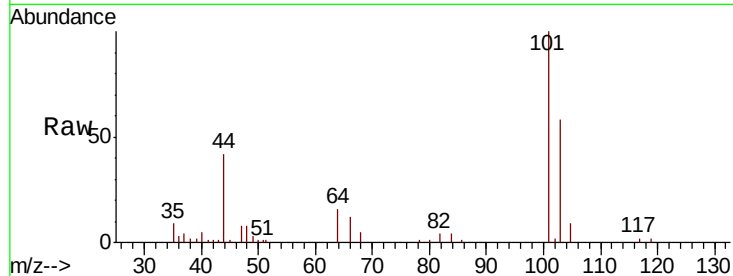
Trichlorofluoromethane
Concen: 1.19 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.0	52.3	78.5

Manual Integrations
APPROVED

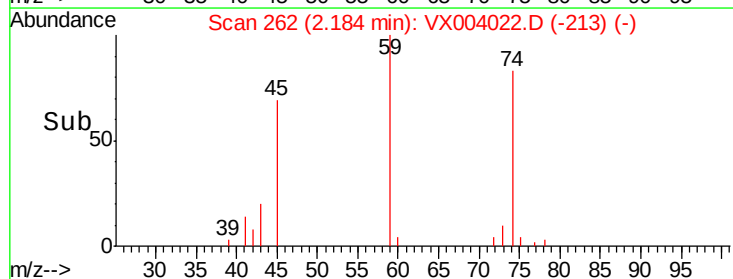
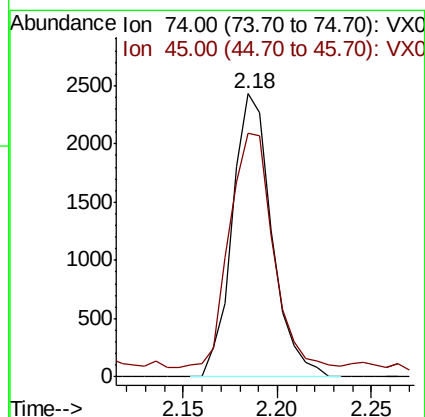
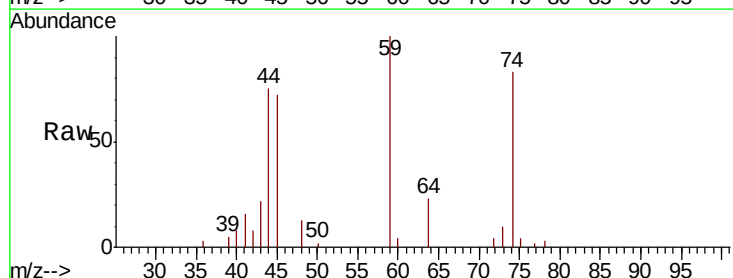
MMDadoda
8/15/2018 4:14:21 PM

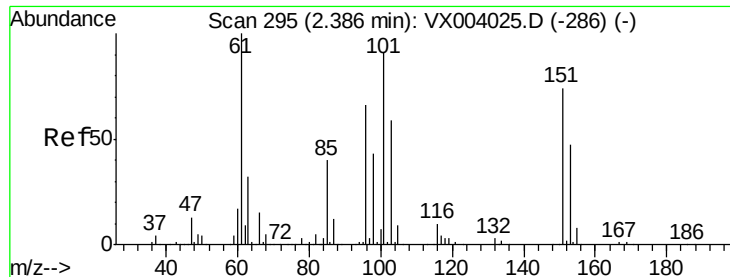


#8

Diethyl Ether
Concen: 1.16 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.20 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

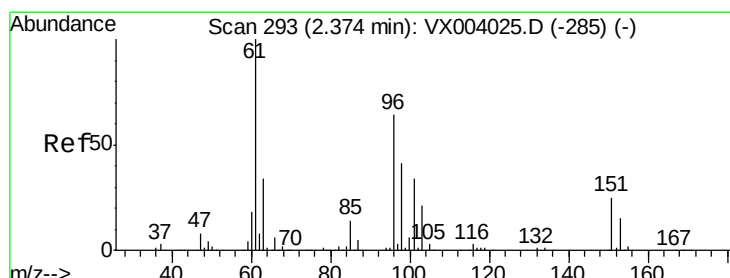
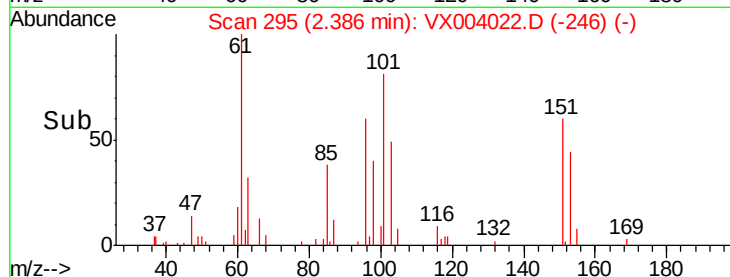
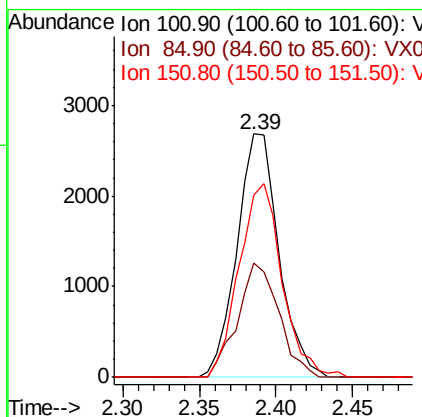
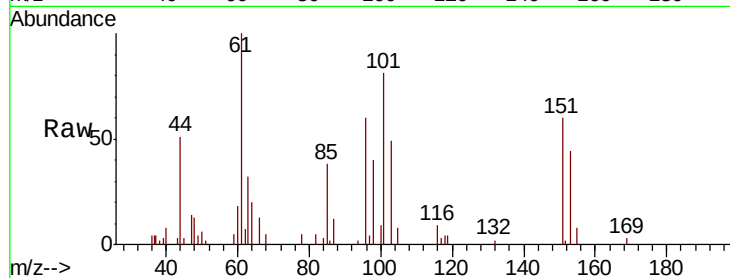
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	5111
Ion Ratio	Lower	Upper	
101	100		
85	46.2	34.2	51.4
151	81.6	65.0	97.4

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#12

1,1-Dichloroethene

Concen: 1.12 ug/l

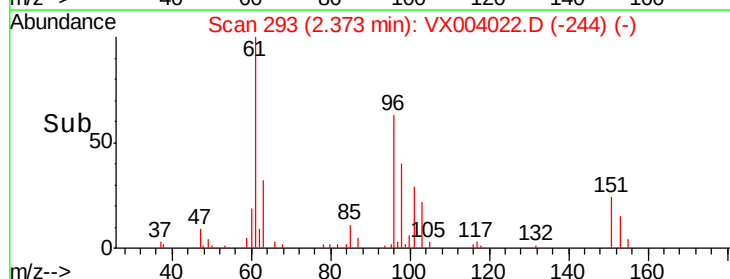
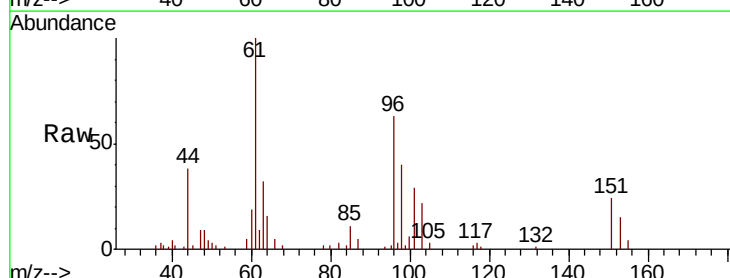
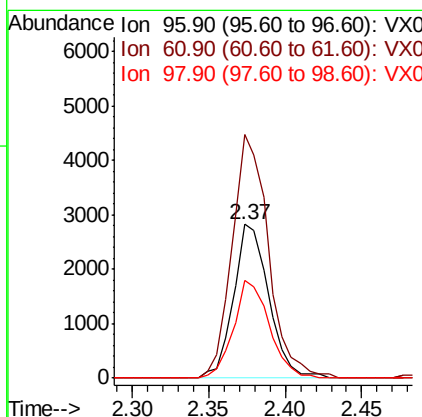
RT: 2.37 min Scan# 293

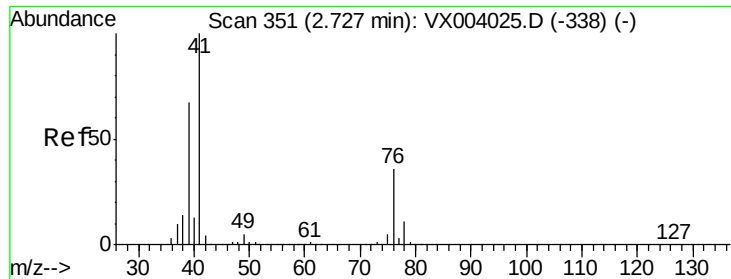
Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	96	Resp:	4518
Ion Ratio	Lower	Upper	
96	100		
61	158.1	131.3	196.9
98	63.2	51.8	77.6





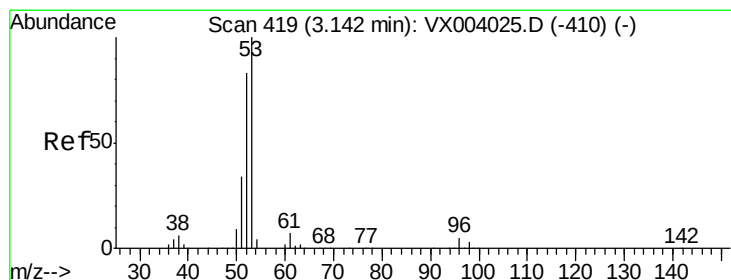
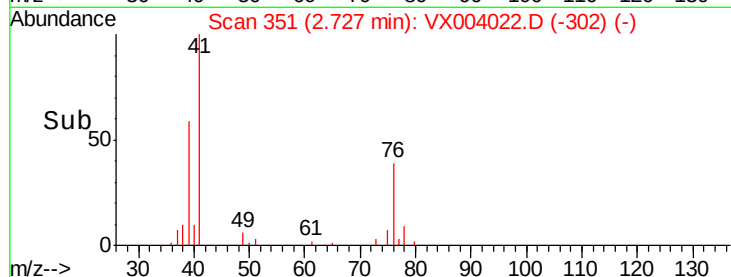
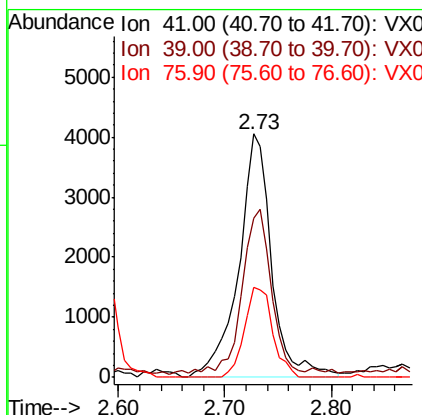
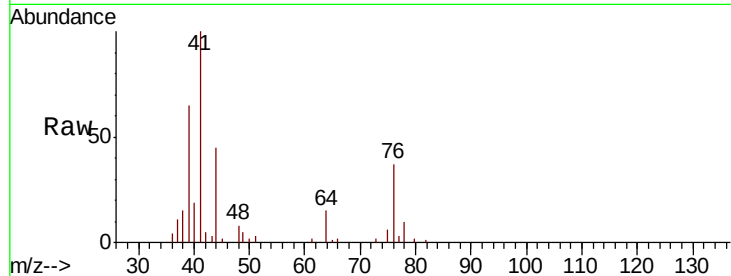
#14
Allvl chloride
Concen: 1.13 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	8765
Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.4	71.0
76	31.8	26.0	39.0

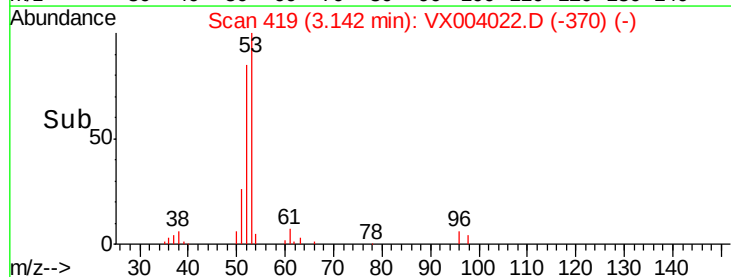
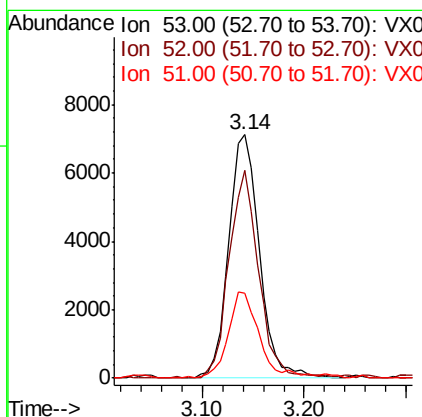
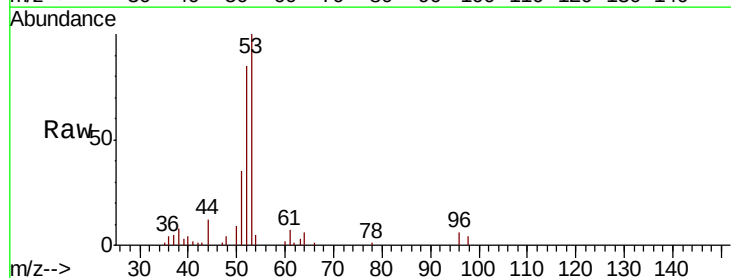
Manual Integrations
APPROVED

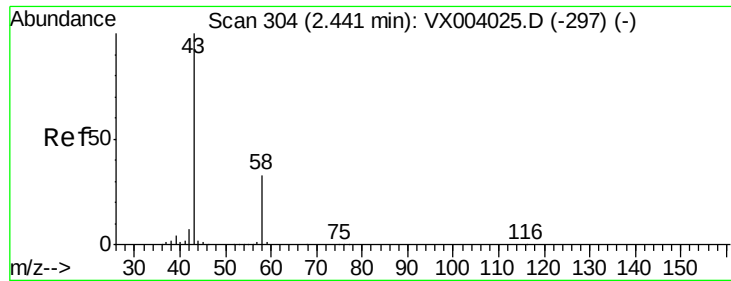
MMDadoda
8/15/2018 4:14:21 PM



#15
Acrylonitrile
Concen: 5.20 ug/l
RT: 3.14 min Scan# 419
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion:	53	Resp:	14808
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.3	97.9
51	36.1	27.9	41.9





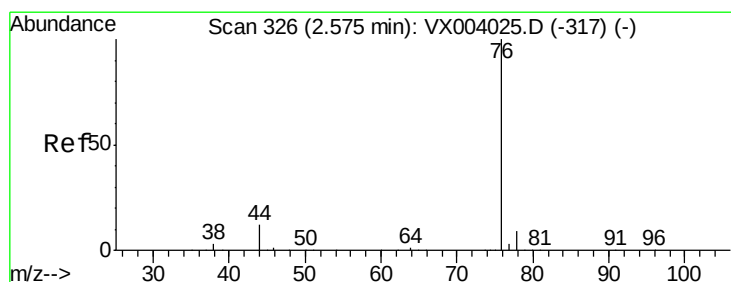
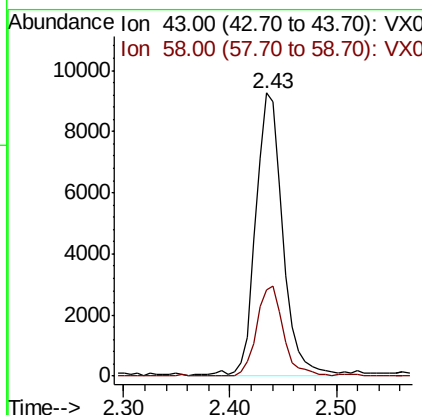
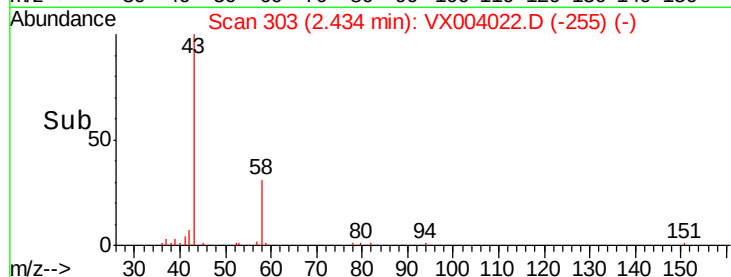
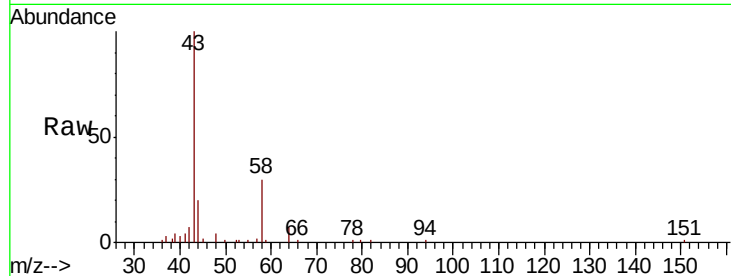
#16
Acetone
Concen: 5.66 ug/l
RT: 2.43 min Scan# 303
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.4	26.4	39.6

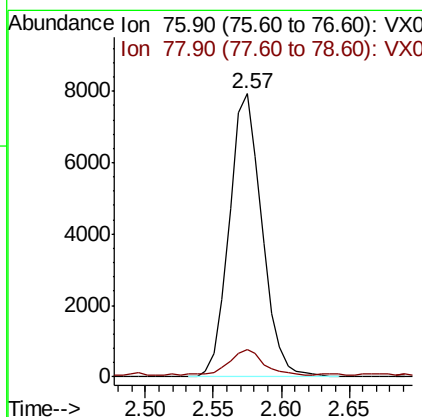
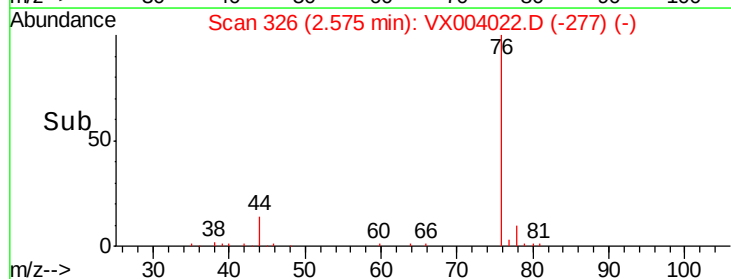
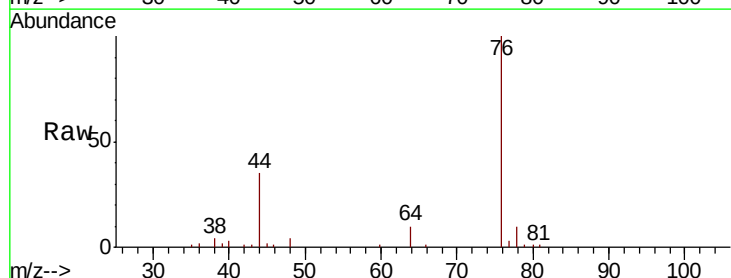
Manual Integrations
APPROVED

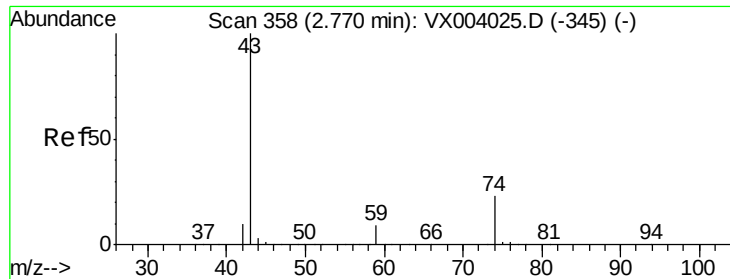
MMDadoda
8/15/2018 4:14:21 PM



#17
Carbon Disulfide
Concen: 1.08 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3





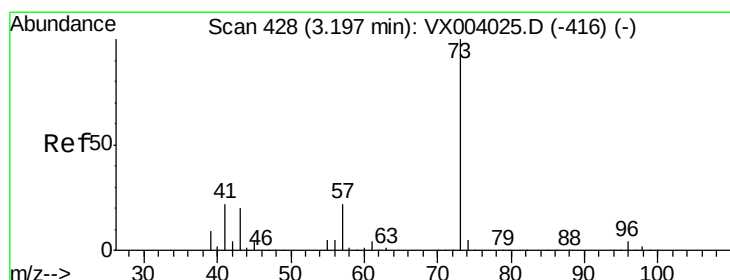
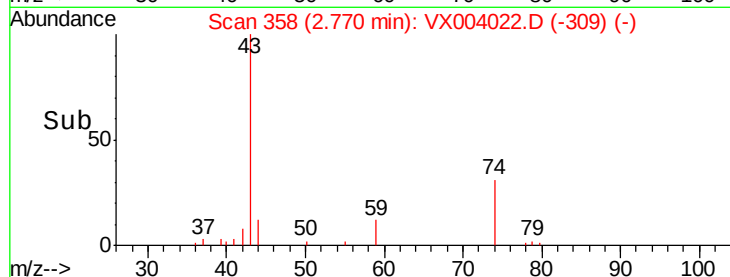
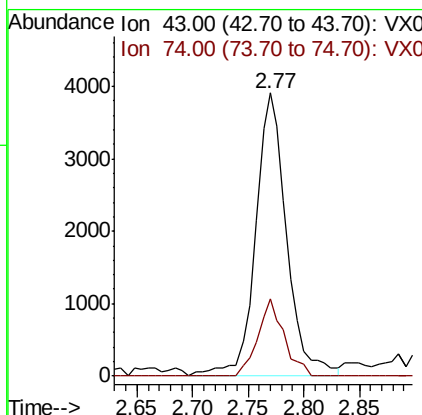
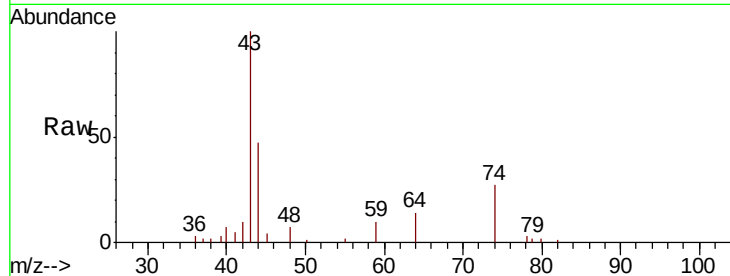
#18
Methyl Acetate
Concen: 1.18 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	43	Ratio	Lower	Upper
43	100			
74	22.8	18.9	28.3	

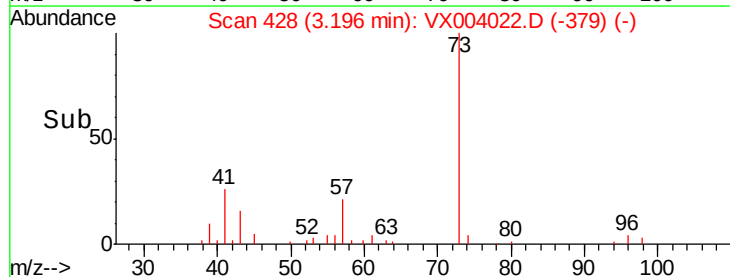
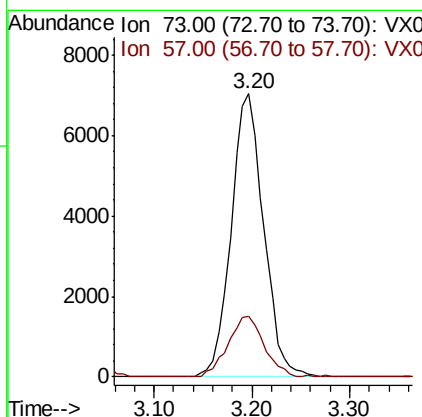
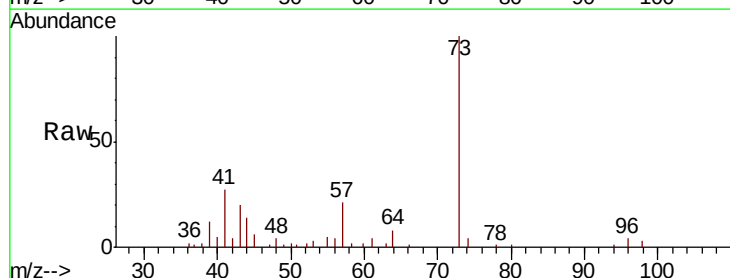
Manual Integrations
APPROVED

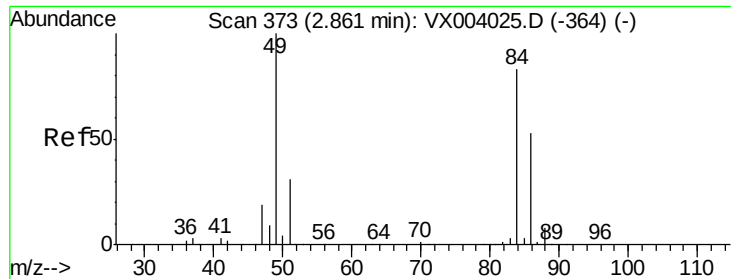
MMDadoda
8/15/2018 4:14:21 PM



#19
Methyl tert-butyl Ether
Concen: 1.14 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion	73	Ratio	Lower	Upper
73	100			
57	21.3	18.0	27.0	





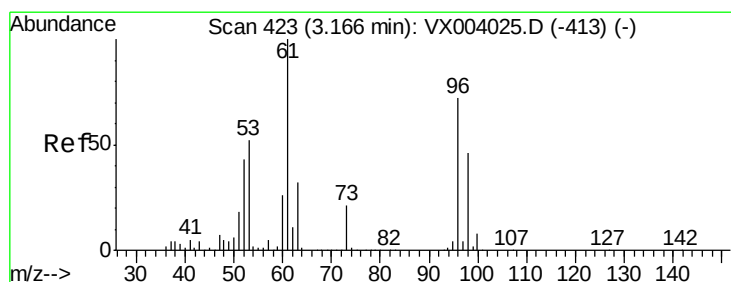
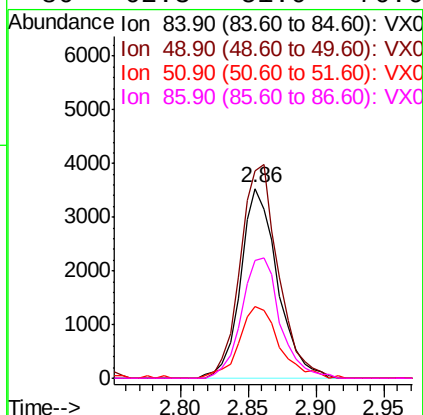
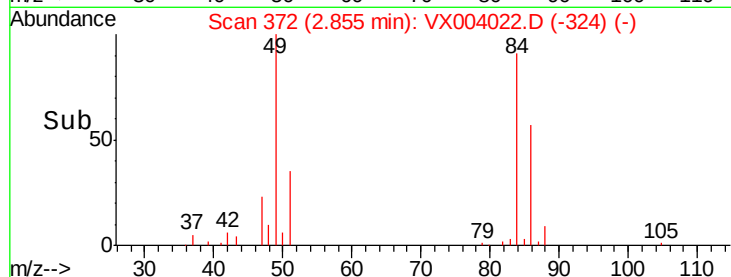
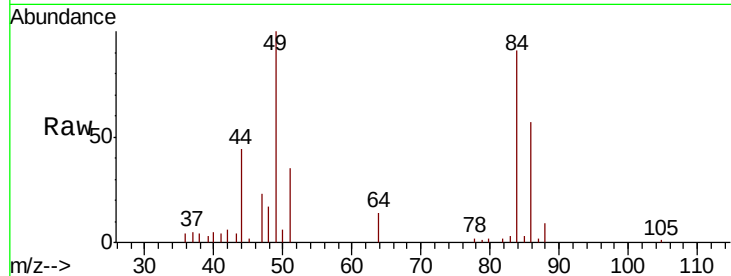
#20
Methvlene Chloride
Concen: 0.94 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	6717
Ion	Ratio	Lower	Upper
84	100		
49	109.5	98.9	148.3
51	37.9	29.9	44.9
86	62.3	51.0	76.6

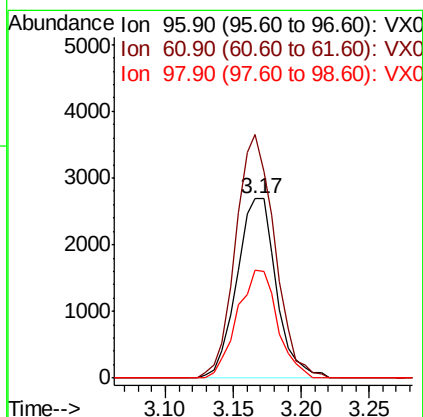
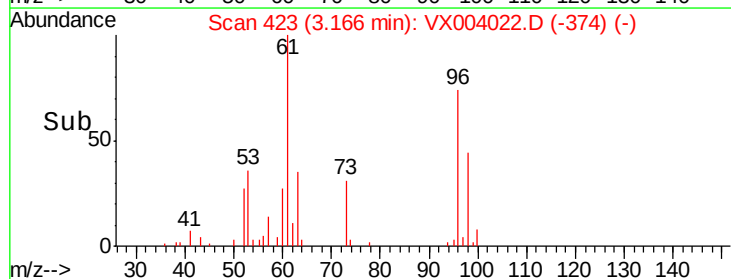
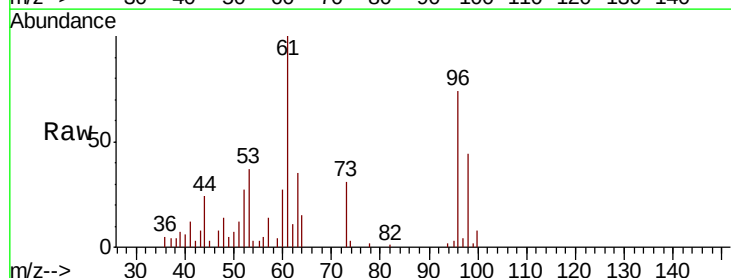
Manual Integrations
APPROVED

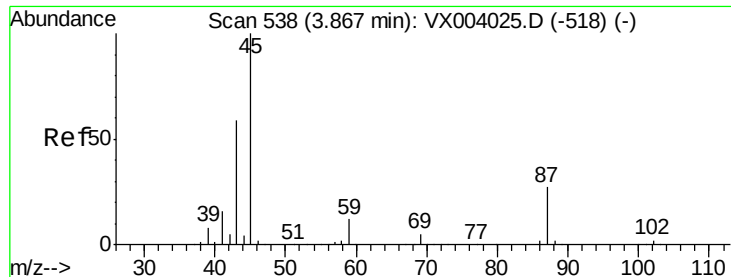
MMDadoda
8/15/2018 4:14:21 PM



#21
trans-1,2-Dichloroethene
Concen: 1.20 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion:	96	Resp:	5463
Ion	Ratio	Lower	Upper
96	100		
61	135.8	111.8	167.6
98	60.1	51.8	77.6





#22

Diisopropyl ether

Concen: 1.20 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

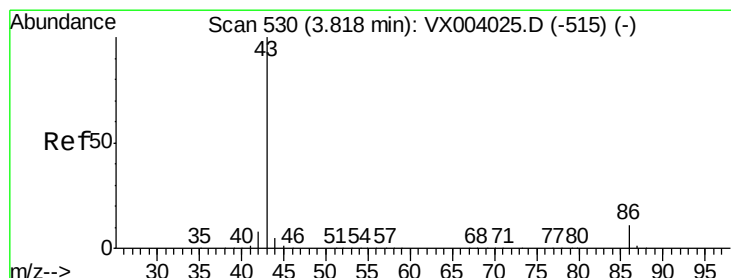
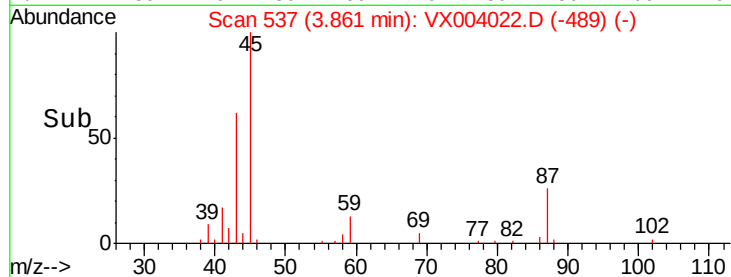
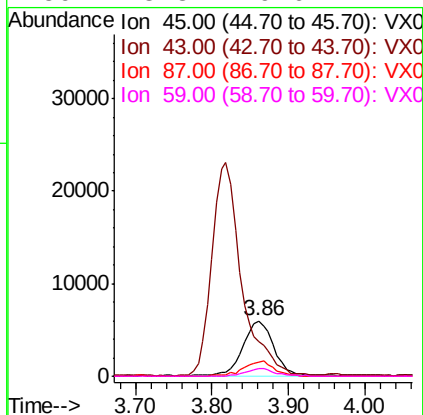
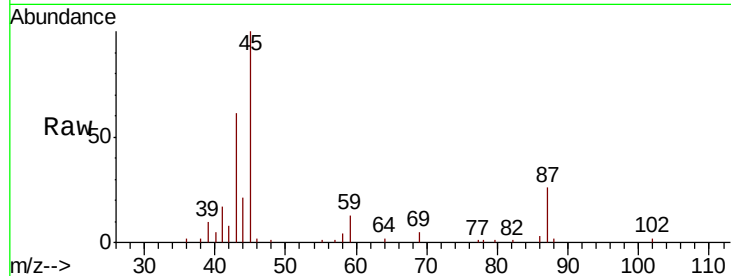
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	17101
Ion Ratio	Lower	Upper	
45	100		
43	58.2	45.3	67.9
87	25.6	22.7	34.1
59	13.3	9.6	14.4

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#23

Vinyl Acetate

Concen: 5.32 ug/l

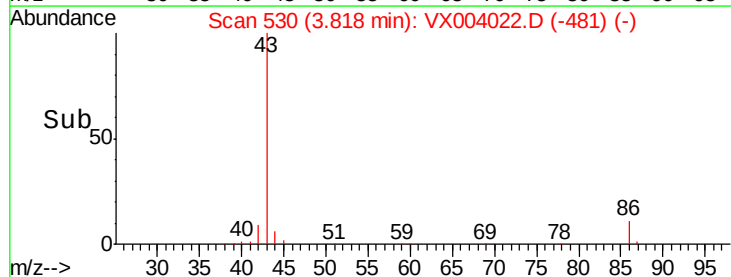
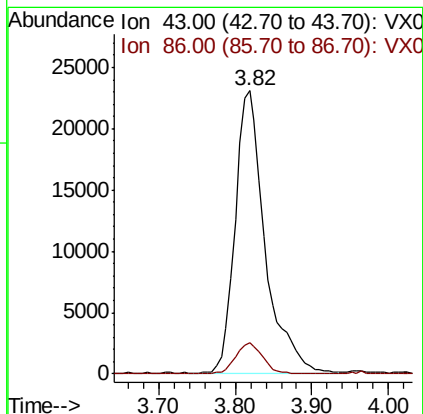
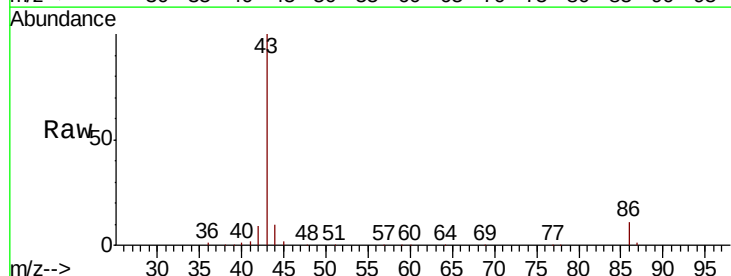
RT: 3.82 min Scan# 530

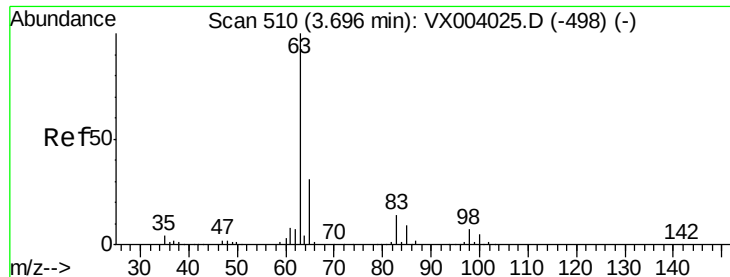
Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	43	Resp:	63068
Ion Ratio	Lower	Upper	
43	100		
86	10.9	8.9	13.3





#24

1,1-Dichloroethane

Concen: 1.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

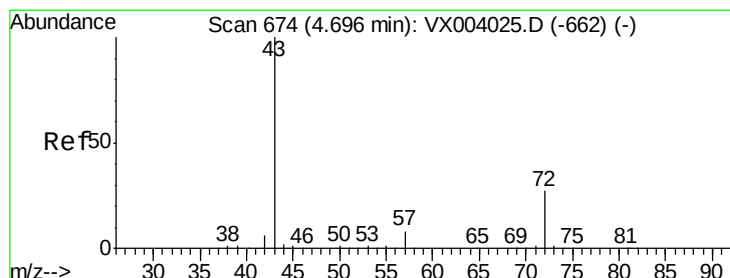
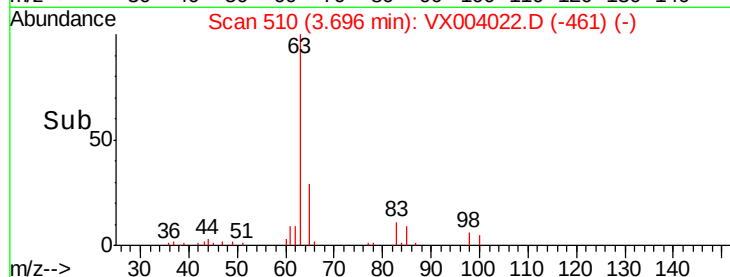
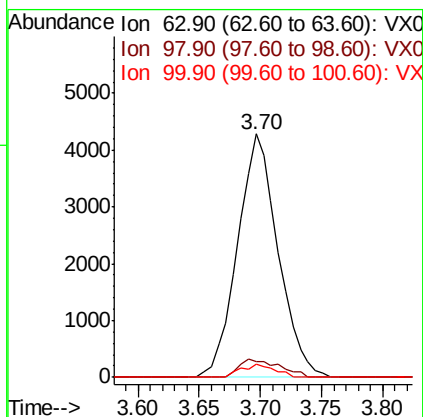
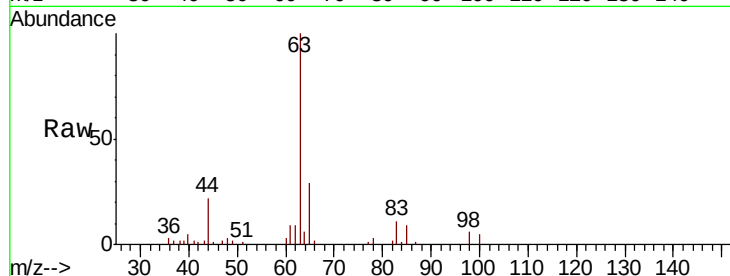
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	9828
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	5.3	2.3	6.8

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#25

2-Butanone

Concen: 5.66 ug/l

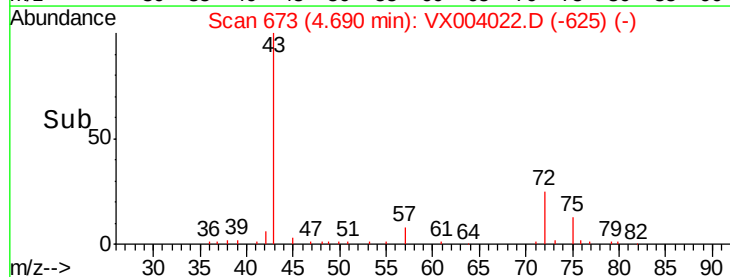
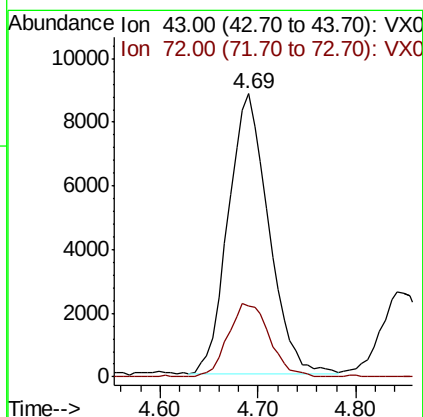
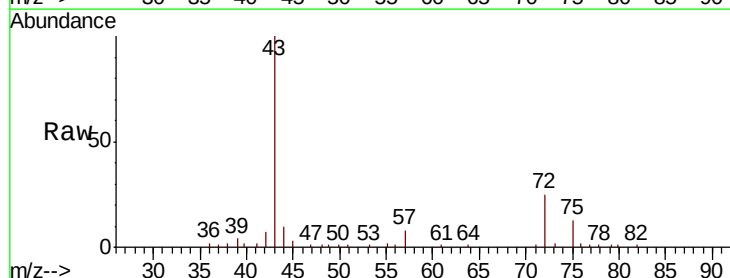
RT: 4.69 min Scan# 673

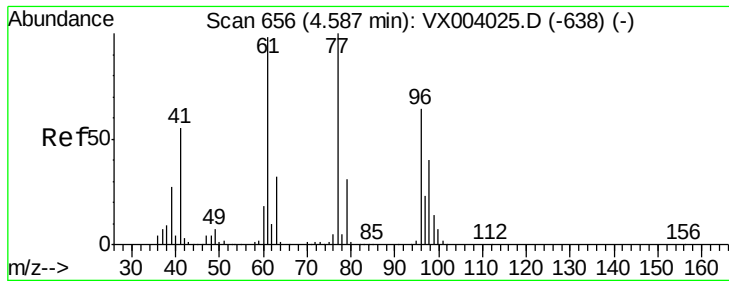
Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	43	Resp:	25125
Ion	Ratio	Lower	Upper
43	100		
72	25.2	21.4	32.0





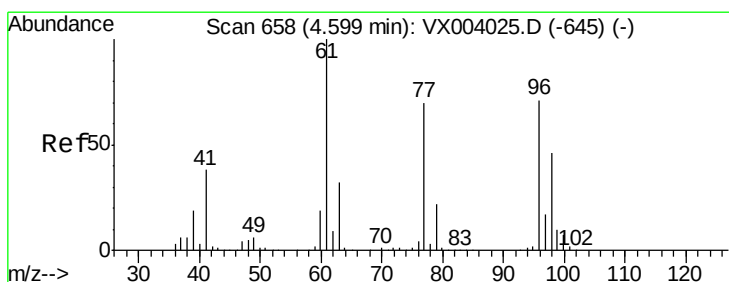
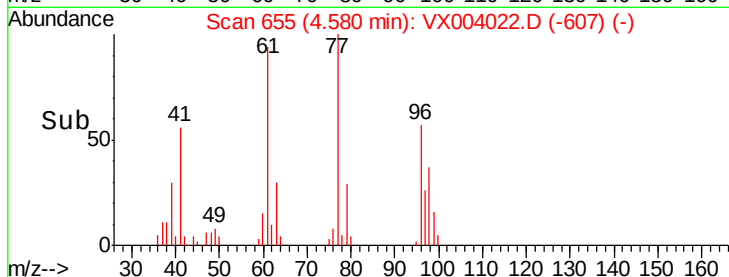
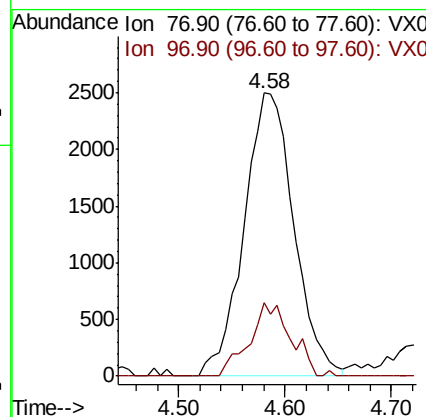
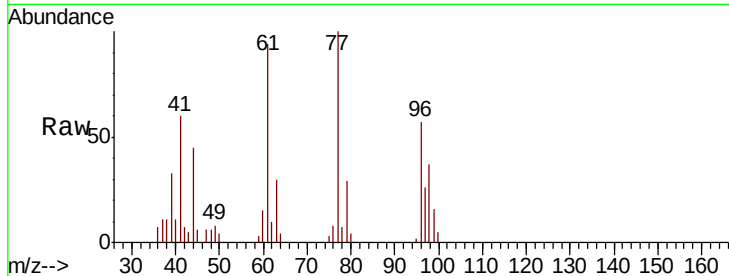
#26
 2,2-Dichloropropane
 Concen: 1.34 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.9	35.9

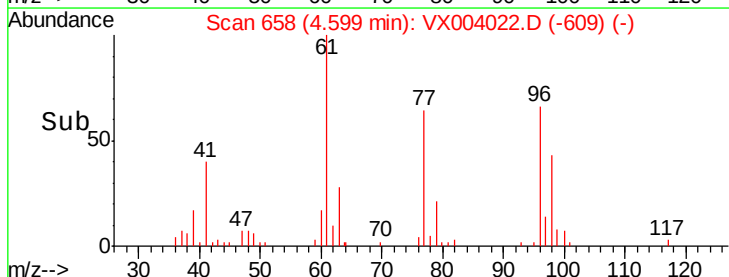
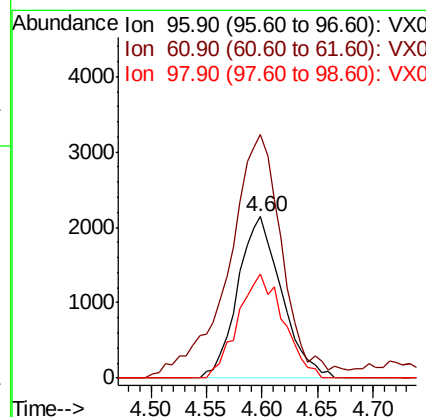
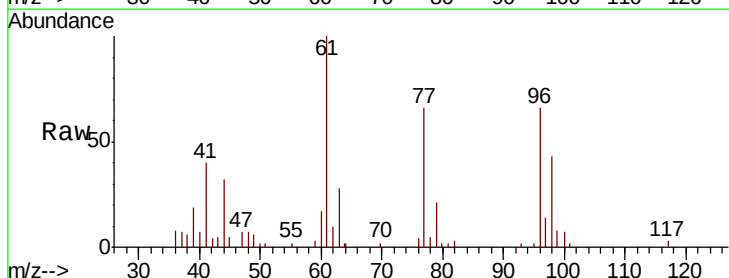
Manual Integrations
 APPROVED

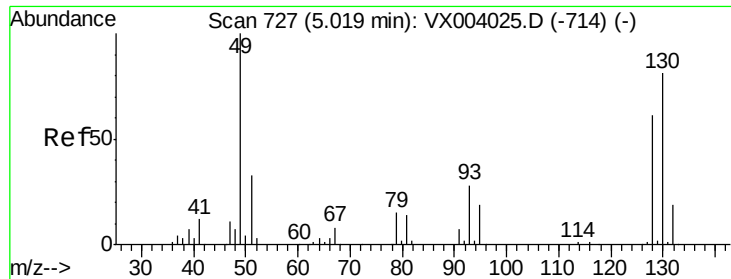
MMDadoda
 8/15/2018 4:14:21 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.18 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.7	0.0	293.0
98	66.8	0.0	131.8





#28

Bromochloromethane

Concen: 1.17 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

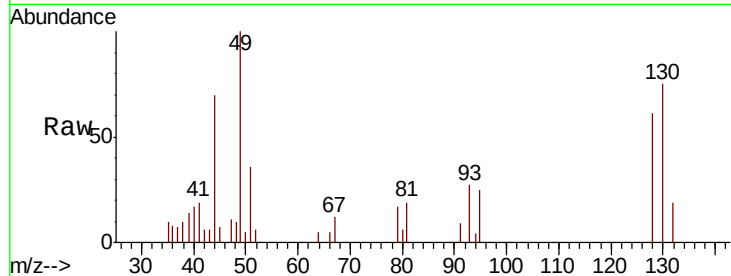
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	78.1	66.5	99.7

Manual Integrations
APPROVED

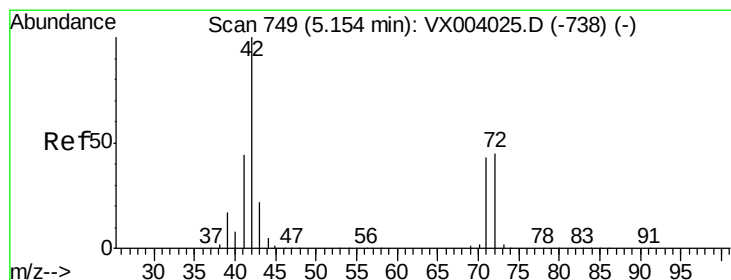
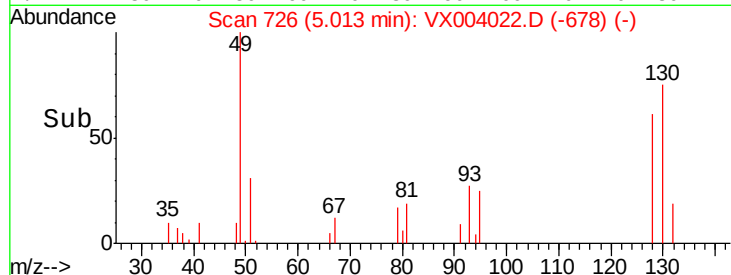
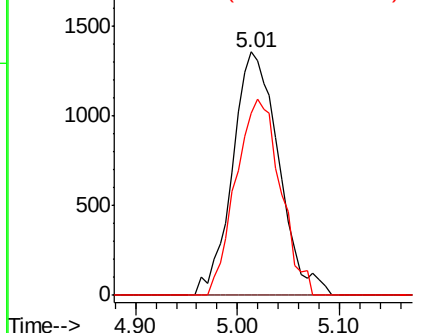
MMDadoda
8/15/2018 4:14:21 PM



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 5.95 ug/l

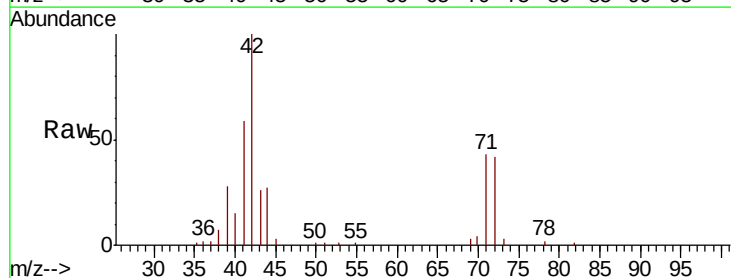
RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

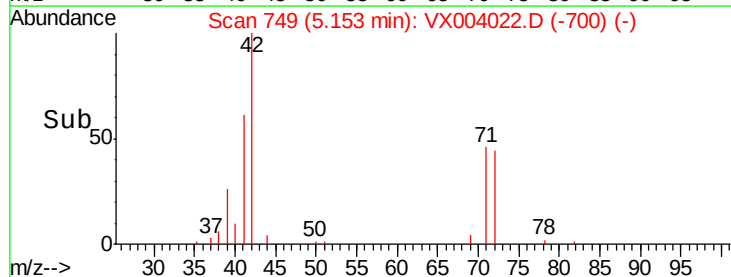
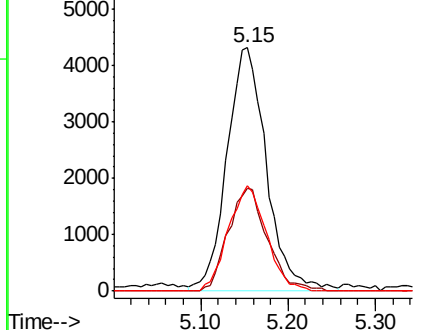
Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.1	37.7	56.5
71	41.6	35.0	52.6

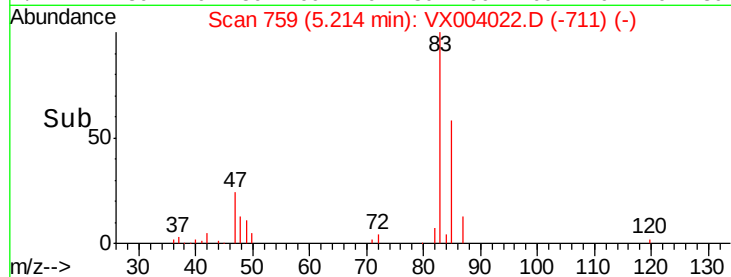
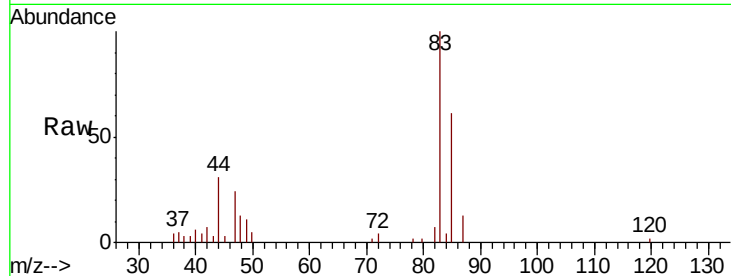
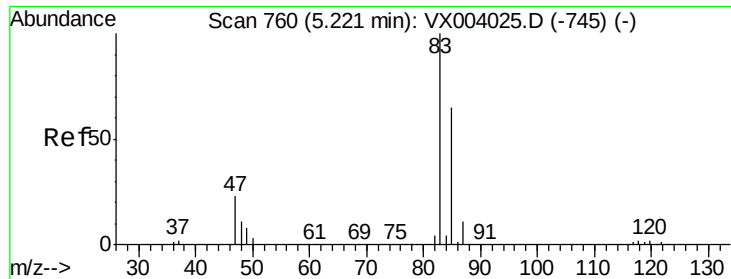


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





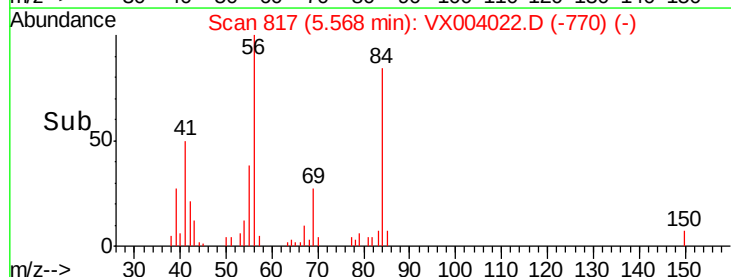
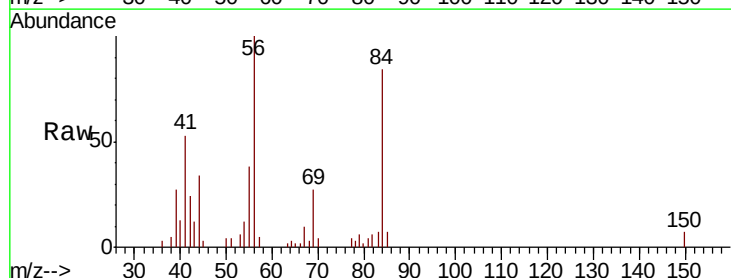
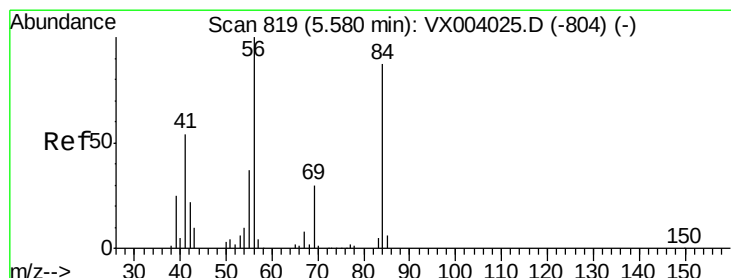
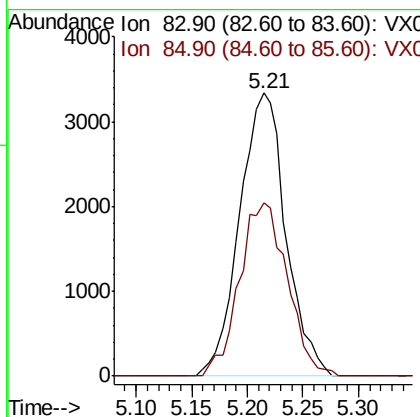
#30
Chloroform
Concen: 1.21 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tot Ion: 83 Resp: 9653
Ion Ratio Lower Upper
83 100
85 61.1 50.7 76.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

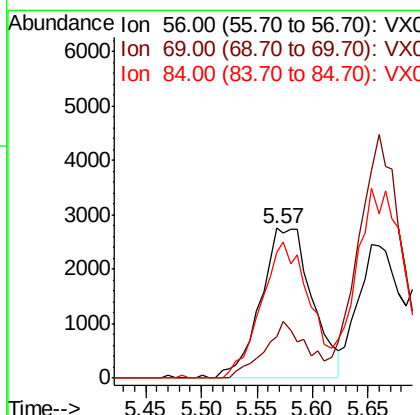
Manual Integrations
APPROVED

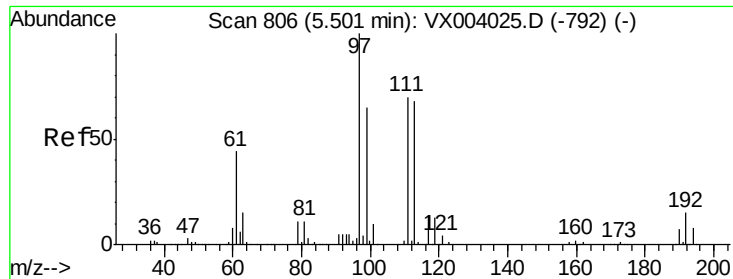
MMDadoda
8/15/2018 4:14:21 PM



#31
Cyclohexane
Concen: 1.24 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 56 Resp: 8851
Ion Ratio Lower Upper
56 100
69 27.2 24.9 37.3
84 83.6 71.7 107.5





#32

1,1,1-Trichloroethane

Concen: 1.13 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

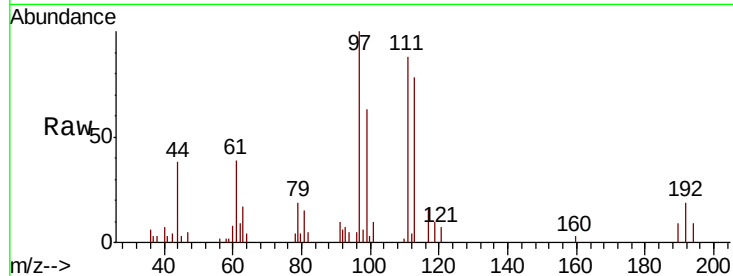
ClientSampleId :

VSTDIC001

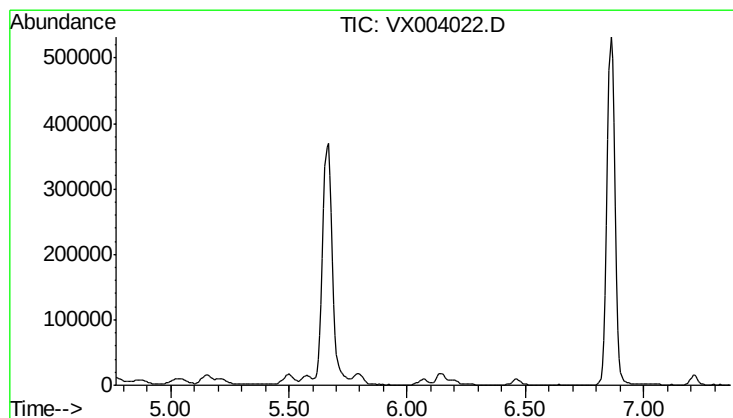
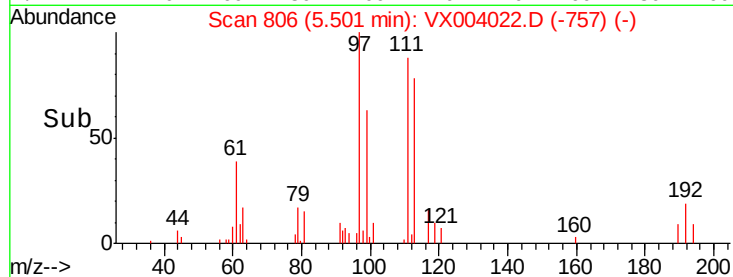
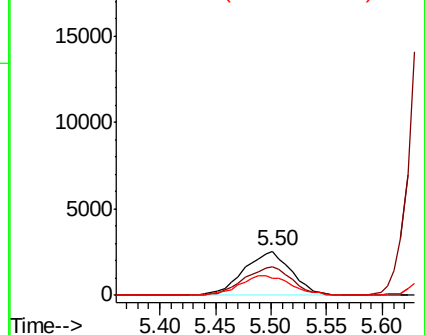
Tot Ion:	97	Resp:	7525
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.8	77.8#
61	48.1	34.4	51.6

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 6.07 min

Lab File: VX004022.D

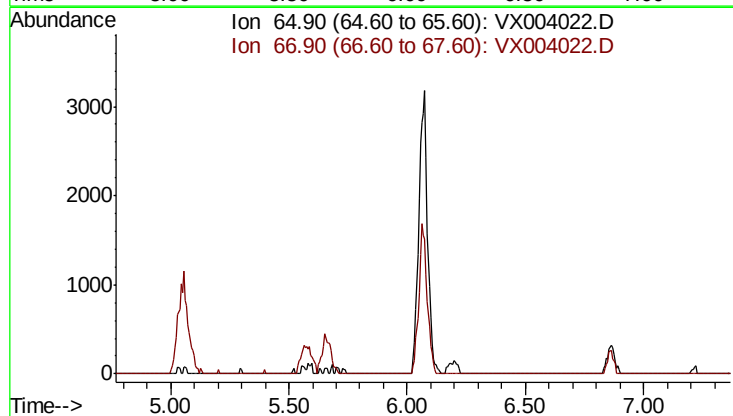
Acq: 14 Aug 2018 10:41

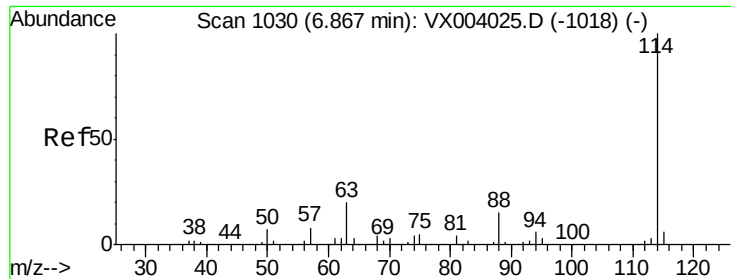
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.9





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

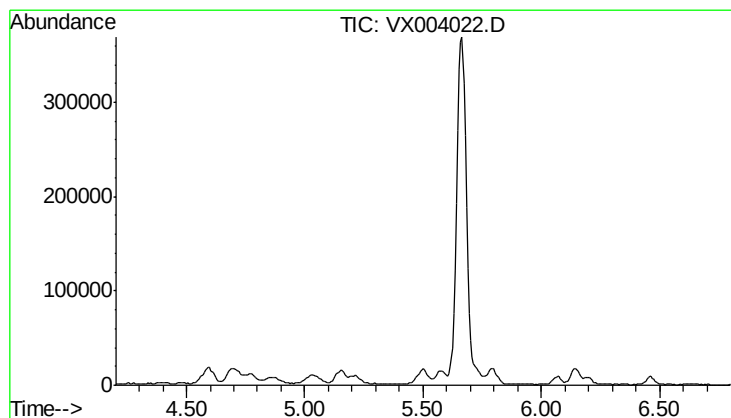
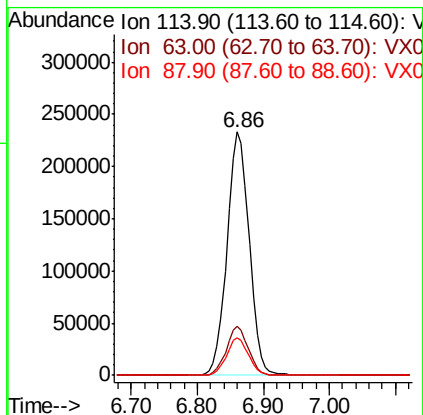
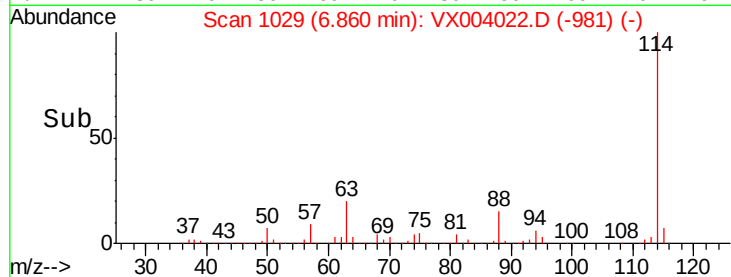
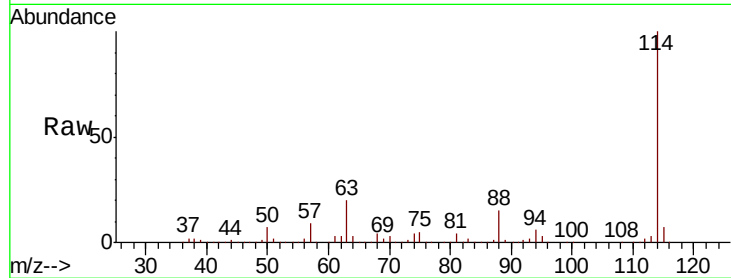
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	541650
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	39.0
88	15.3	0.0	32.0

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 5.50 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

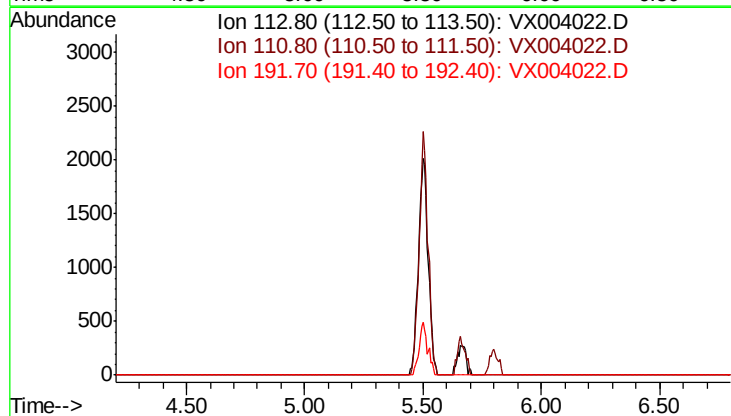
Tgt Ion: 113

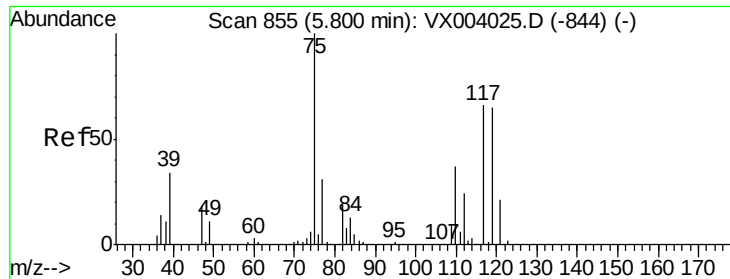
Sig Exp Ratio

113 100

111 102.5

192 23.7





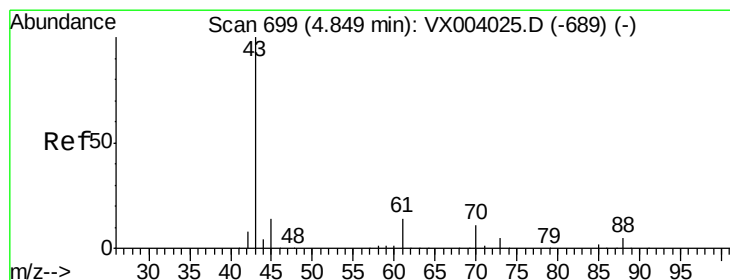
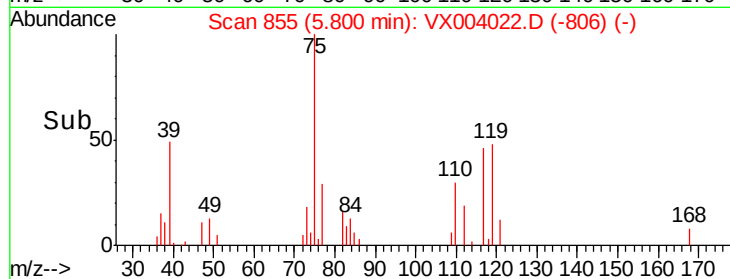
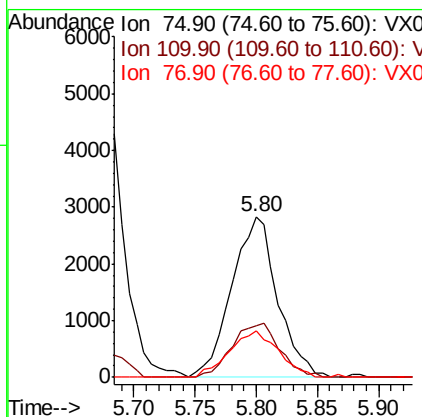
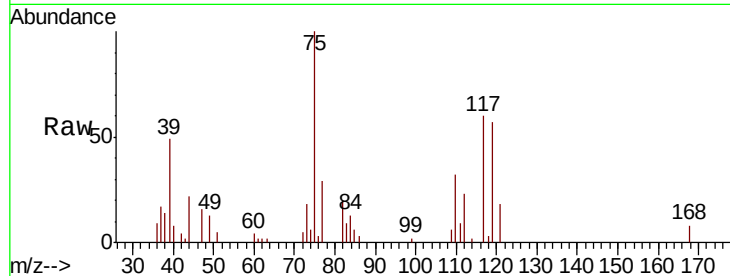
#36
 1,1-Dichloropropene
 Concen: 1.21 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.2	54.6
77	31.0	25.0	37.4

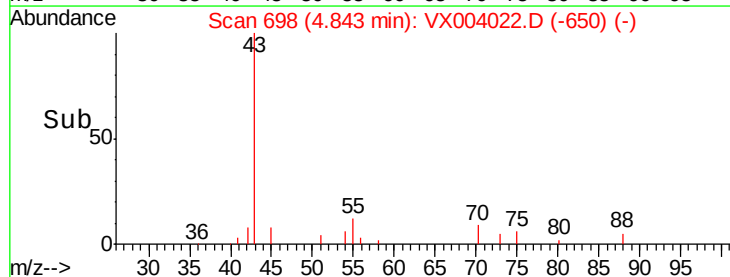
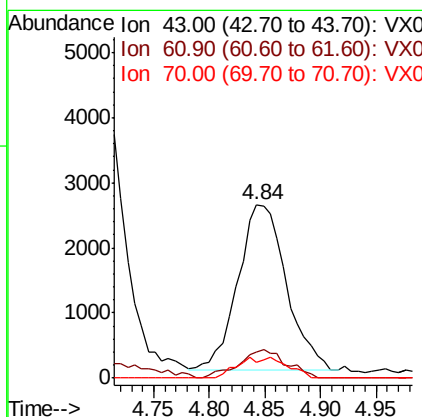
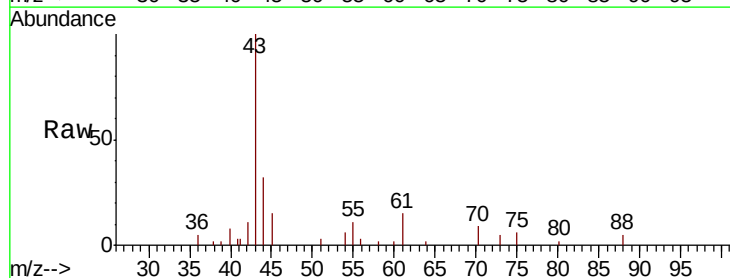
Manual Integrations
 APPROVED

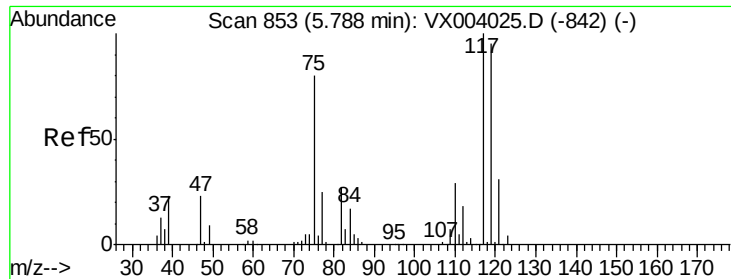
MMDadoda
 8/15/2018 4:14:21 PM



#37
 Ethyl Acetate
 Concen: 1.15 ug/l
 RT: 4.84 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.1	11.5	17.3
70	5.7	9.0	13.4#





#38

Carbon Tetrachloride

Concen: 1.19 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

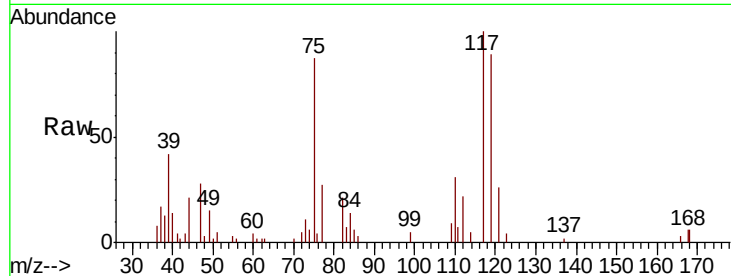
ClientSampled :

VSTDIC001

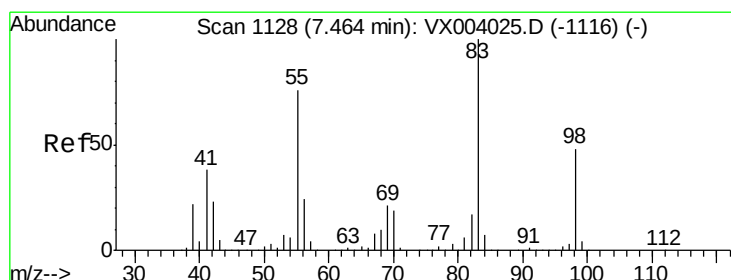
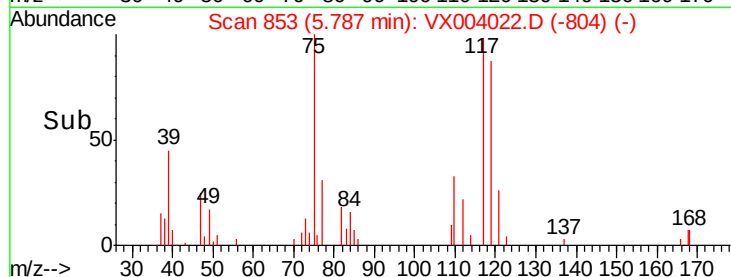
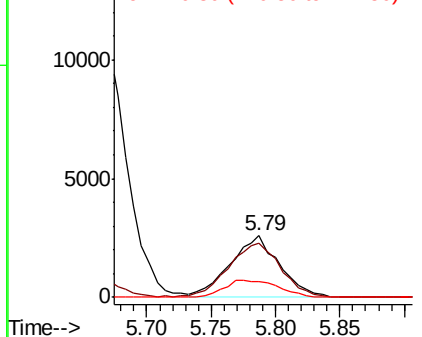
Tot Ion:	117	Resp:	6855
Ion	Ratio	Lower	Upper
117	100		
119	89.0	79.5	119.3
121	25.6	25.0	37.4

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



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

Methylcyclohexane

Concen: 1.05 ug/l

RT: 7.46 min Scan# 1128

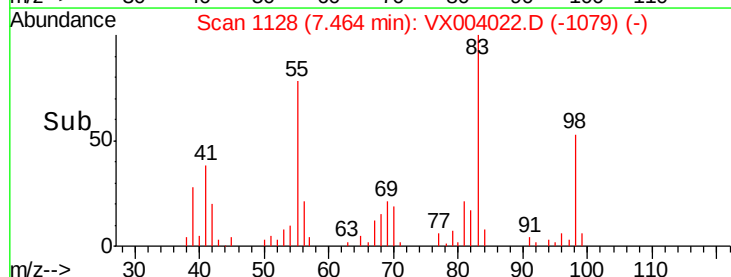
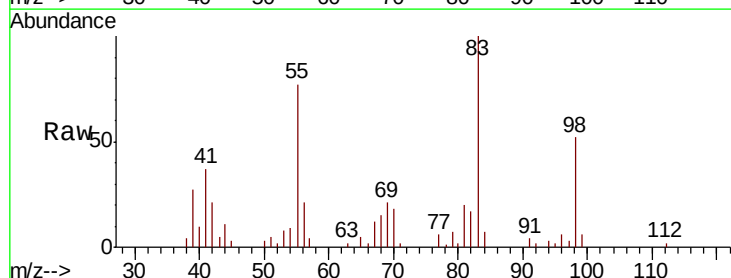
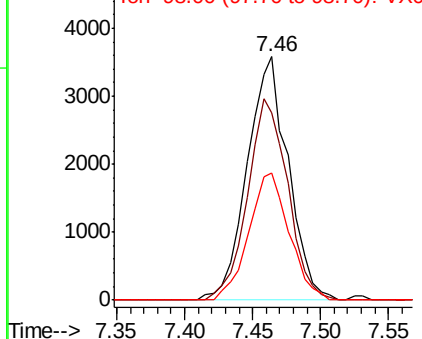
Delta R.T. -0.00 min

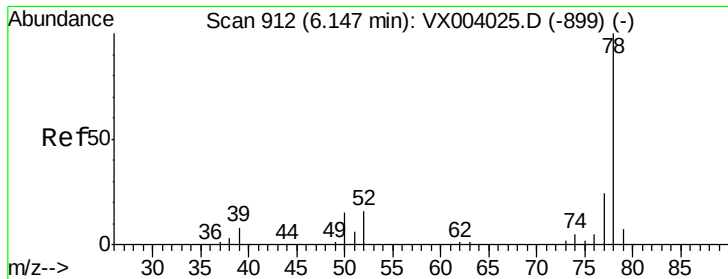
Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	83	Resp:	7535
Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.0	91.6
98	52.4	38.6	57.8

Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.16 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 21096

Ion Ratio Lower Upper

78 100

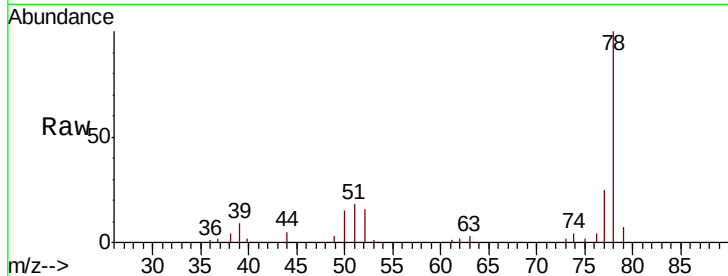
77 24.7 19.0 28.4

Manual Integrations

APPROVED

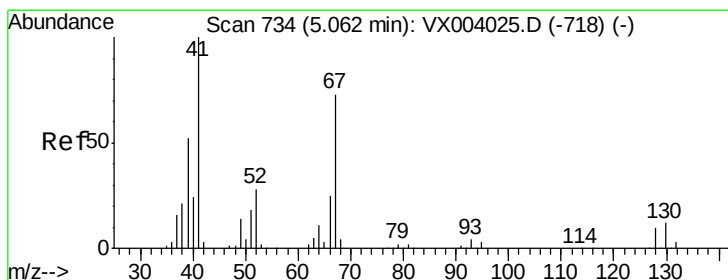
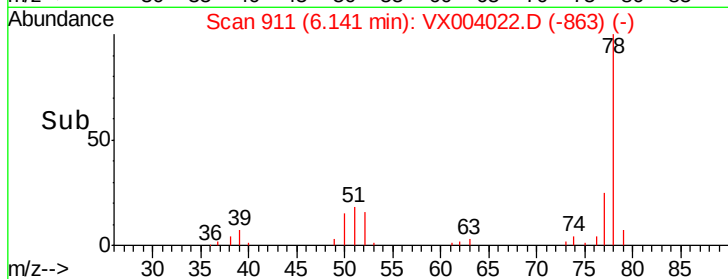
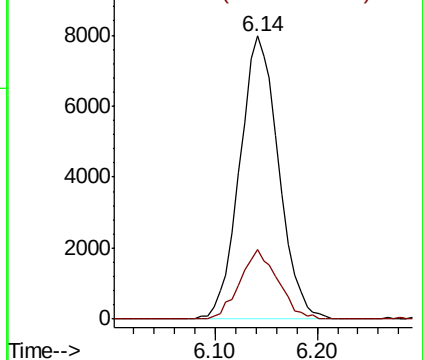
MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.23 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion: 41 Resp: 4528

Ion Ratio Lower Upper

41 100

39 62.4 42.7 64.1

67 73.2 58.9 88.3

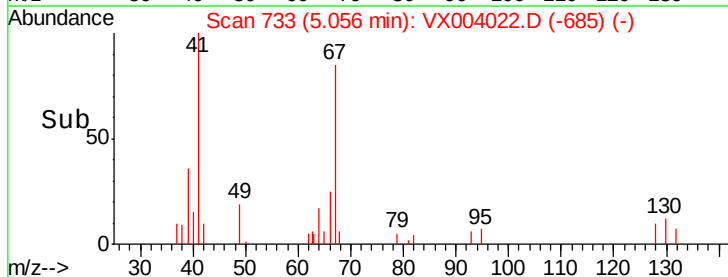
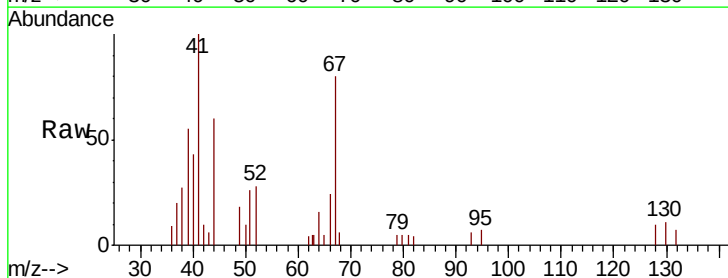
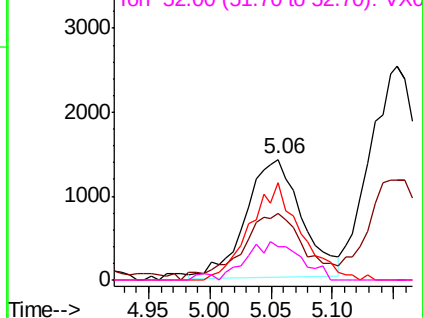
52 30.5 22.6 33.8

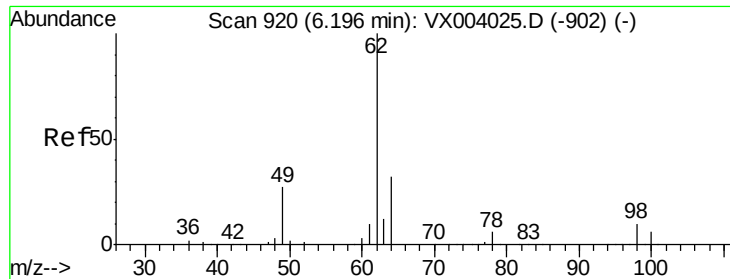
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





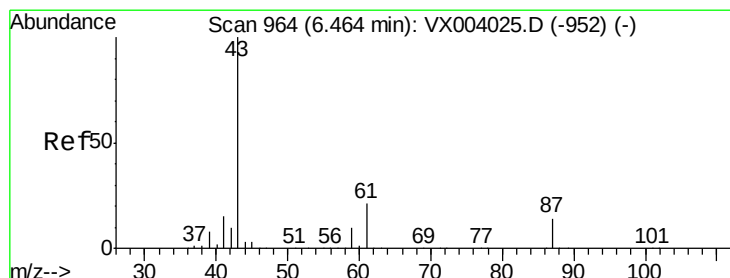
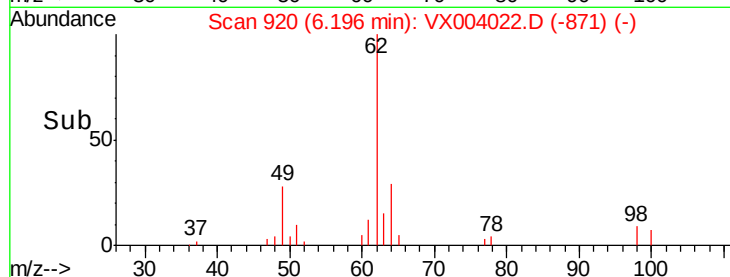
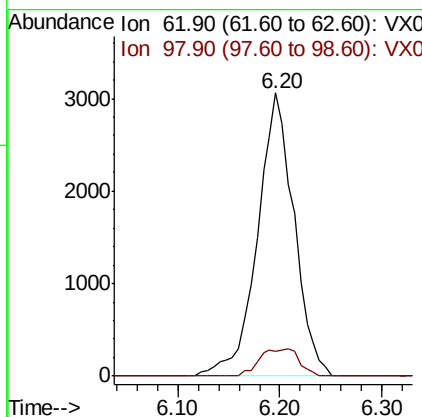
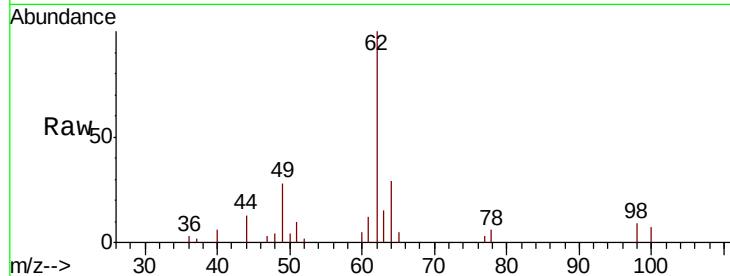
#42
 1,2-Dichloroethane
 Concen: 1.24 ug/l
 RT: 6.20 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4

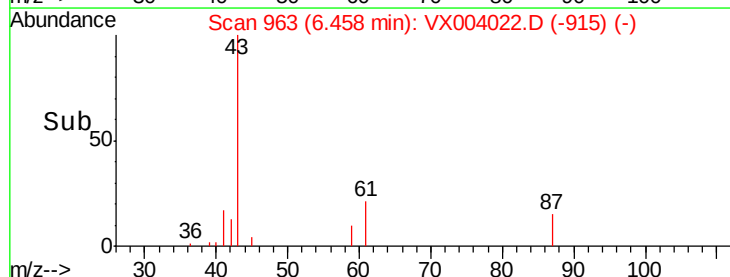
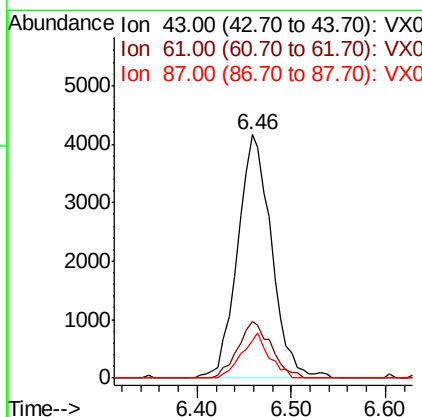
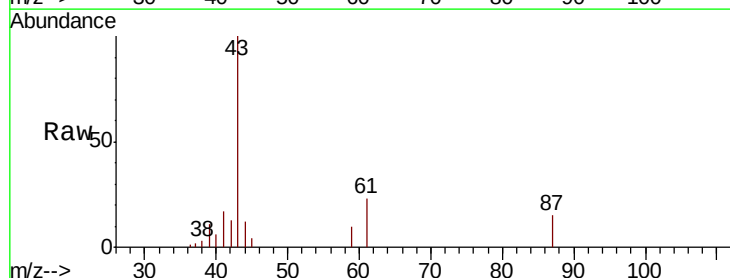
Manual Integrations
 APPROVED

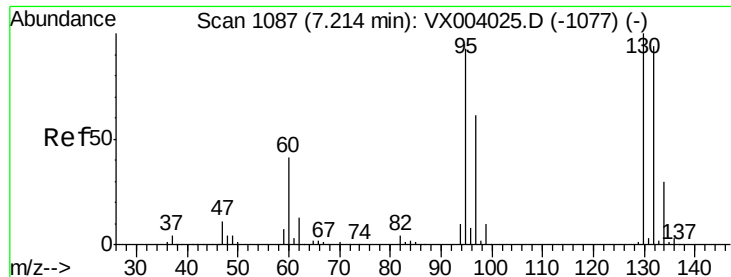
MMDadoda
 8/15/2018 4:14:21 PM



#43
 Isopropyl Acetate
 Concen: 1.04 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.7	16.9	25.3
87	14.8	11.3	16.9





#44

Trichloroethene

Concen: 1.19 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5921

Ion Ratio Lower Upper

130 100

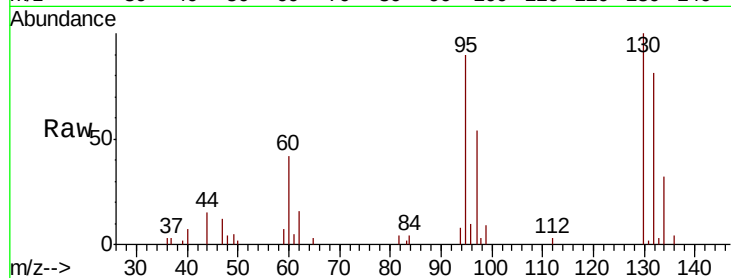
95 90.2 0.0 199.4

Manual Integrations

APPROVED

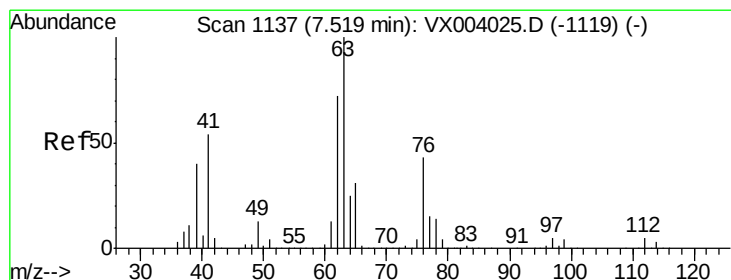
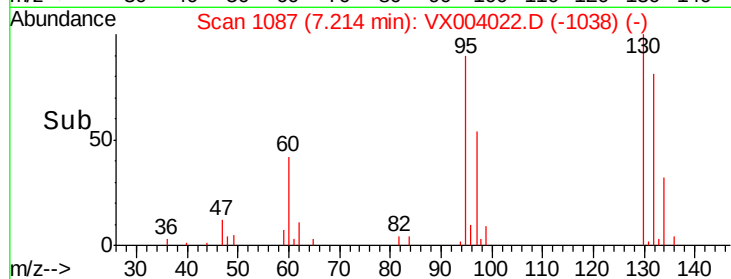
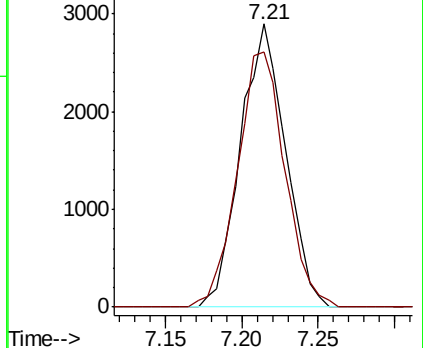
MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 1.13 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004022.D

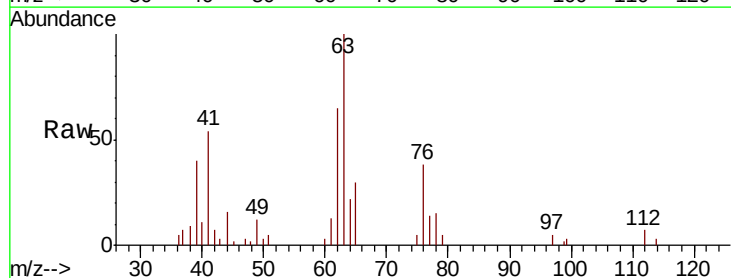
Acq: 14 Aug 2018 10:41

Tgt Ion: 63 Resp: 5312

Ion Ratio Lower Upper

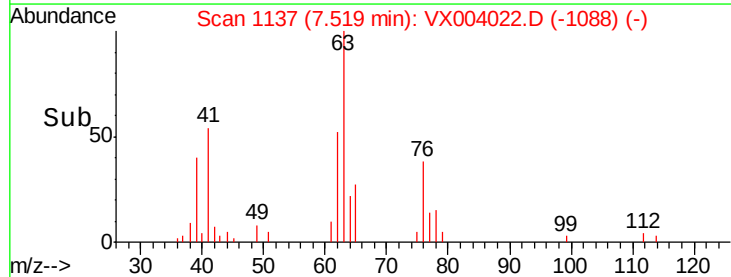
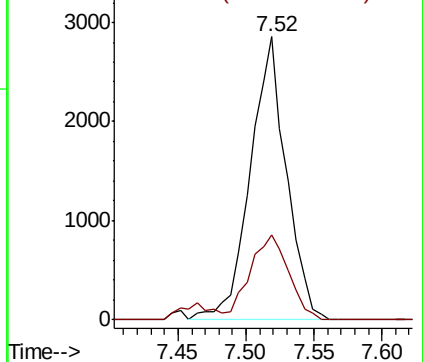
63 100

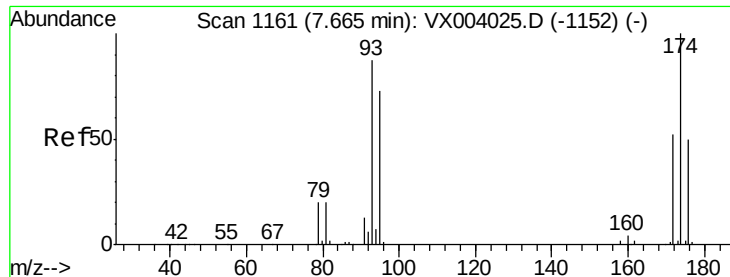
65 29.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 1.15 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

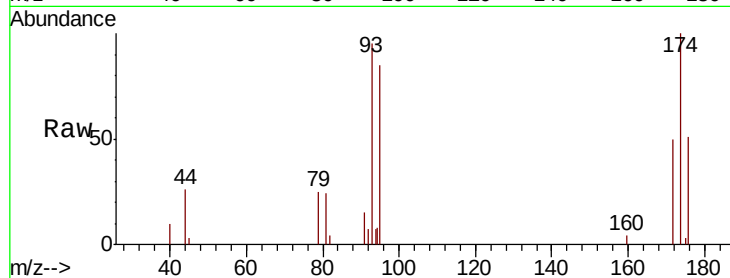
ClientSampleId :

VSTDIC001

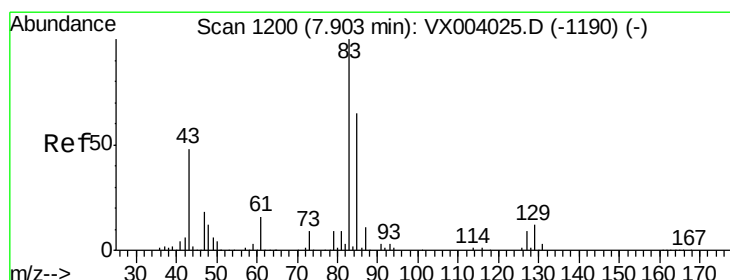
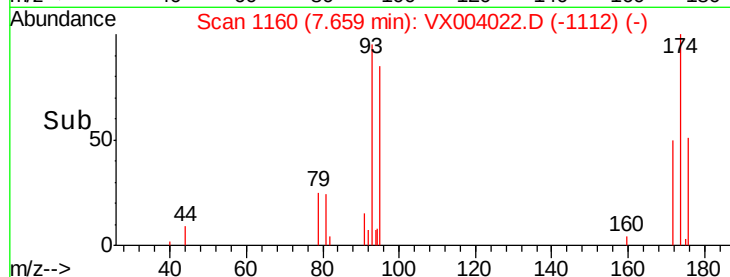
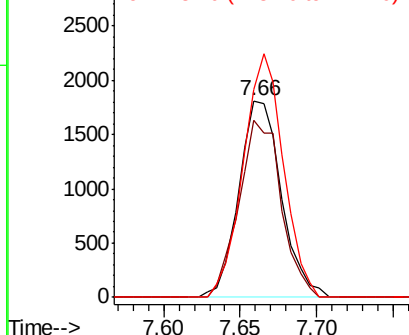
Tot Ion:	93	Resp:	3502
Ion	Ratio	Lower	Upper
93	100		
95	89.1	66.4	99.6
174	116.9	94.3	141.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 1.08 ug/l

RT: 7.90 min Scan# 1200

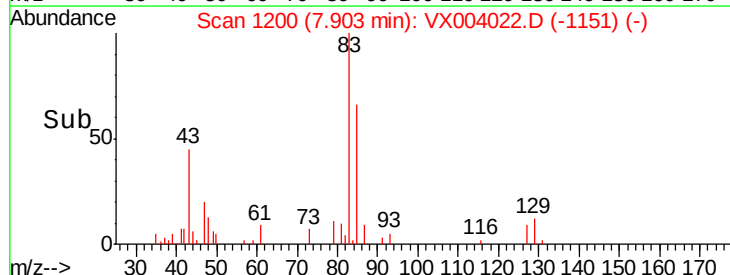
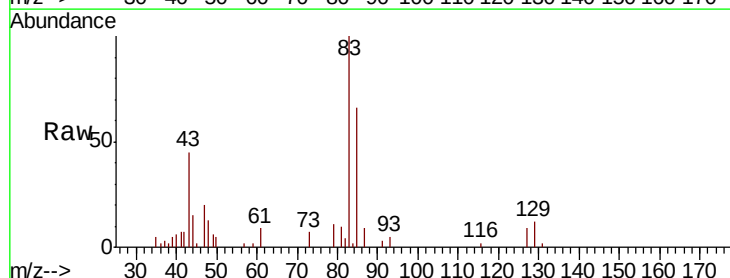
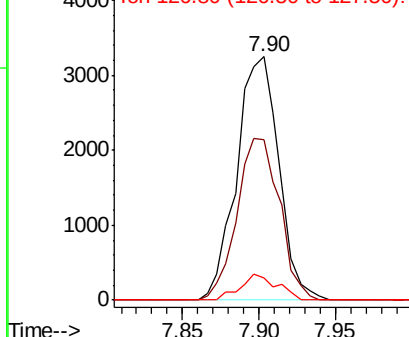
Delta R.T. -0.00 min

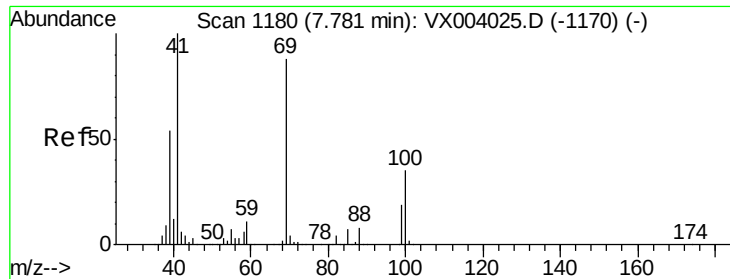
Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	83	Resp:	6225
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.2	76.8
127	9.1	7.2	10.8

Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V





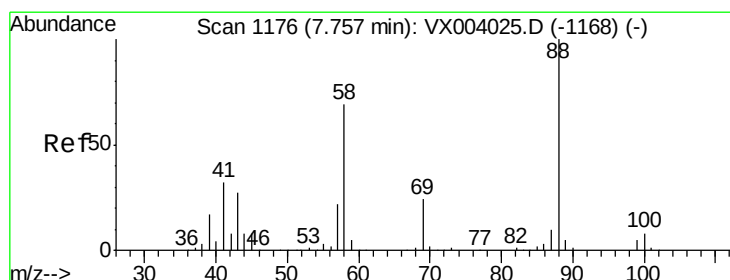
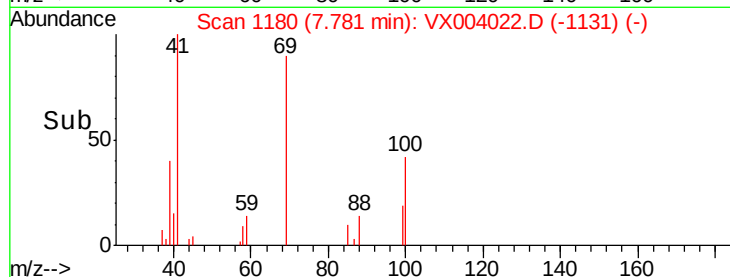
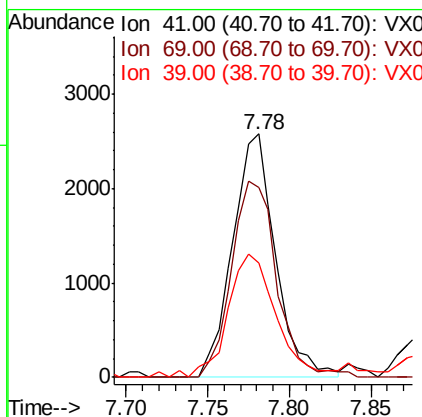
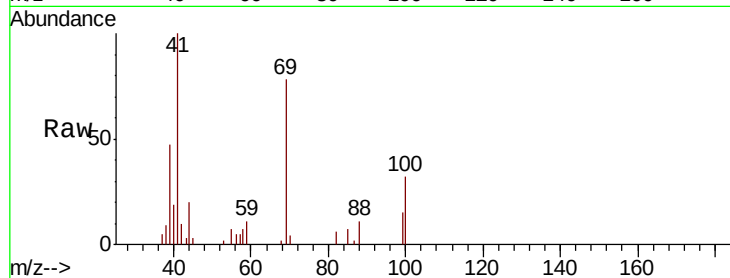
#48
Methvl methacrylate
Concen: 0.93 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	84.8	68.8	103.2
39	56.5	42.3	63.5

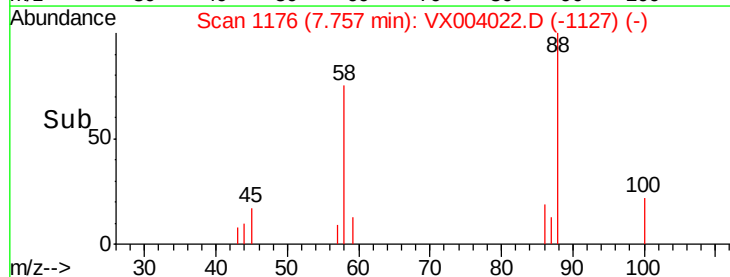
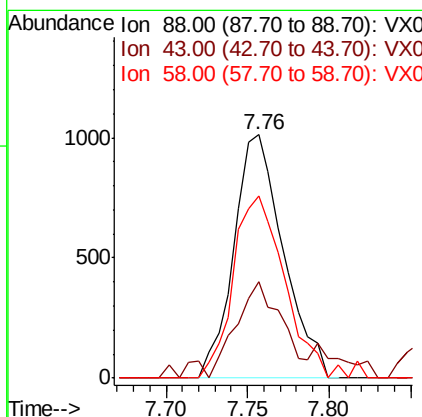
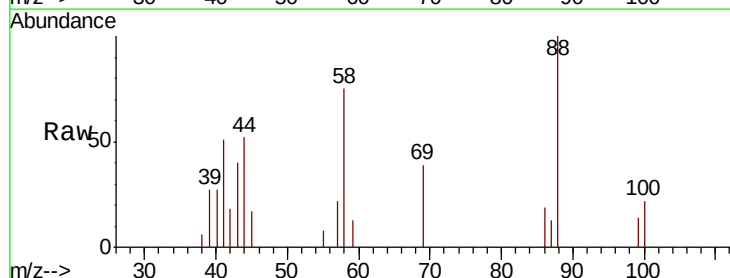
Manual Integrations
APPROVED

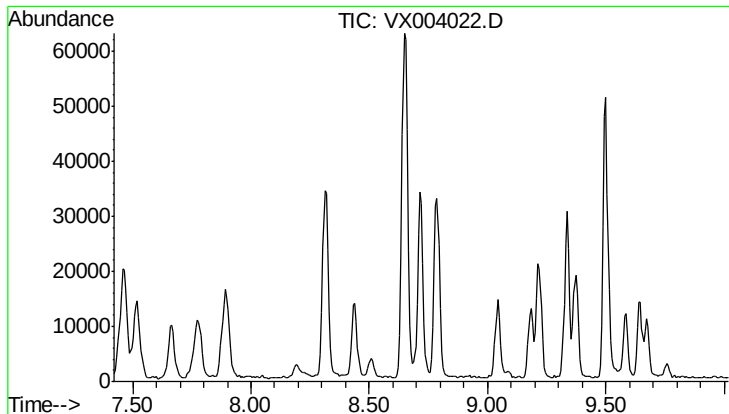
MMDadoda
8/15/2018 4:14:21 PM



#49
1,4-Dioxane
Concen: 17.81 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.4	23.8	35.8#
58	77.7	55.4	83.0





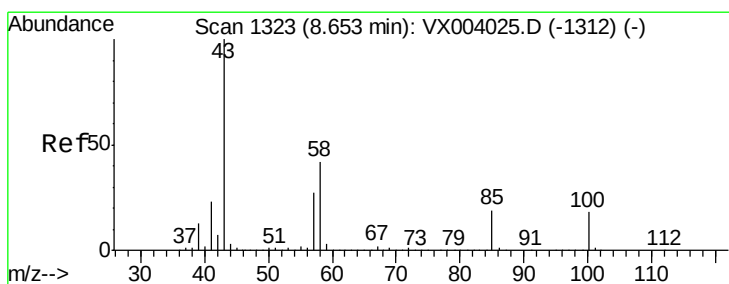
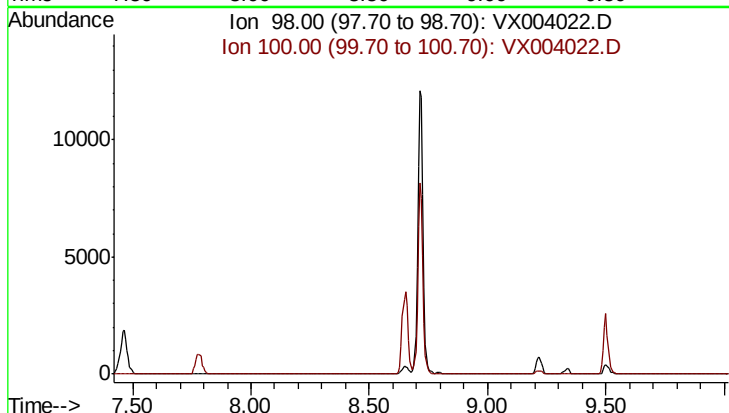
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 8.72 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 66.6

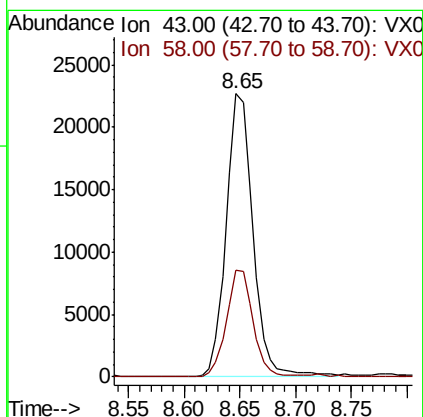
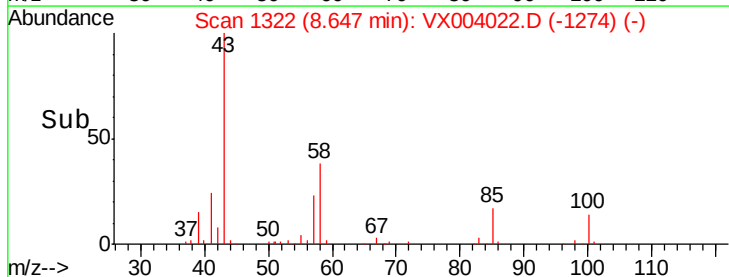
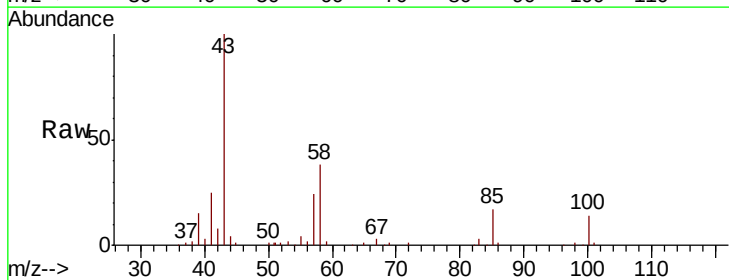
Manual Integrations
APPROVED

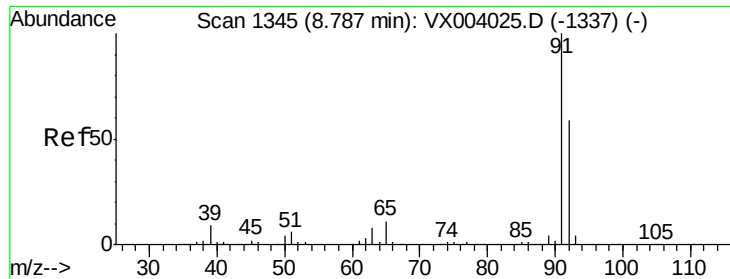
MMDadoda
8/15/2018 4:14:21 PM



#51
4-Methyl-2-Pentanone
Concen: 4.57 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 43 Resp: 38078
Ion Ratio Lower Upper
43 100
58 36.9 33.0 49.6





#52

Toluene

Concen: 1.08 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 12422

Ion Ratio Lower Upper

92 100

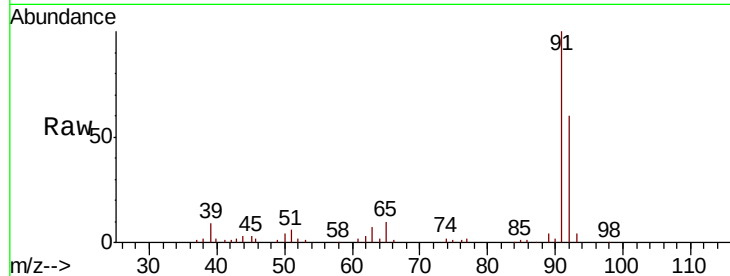
91 167.5 136.1 204.1

Manual Integrations

APPROVED

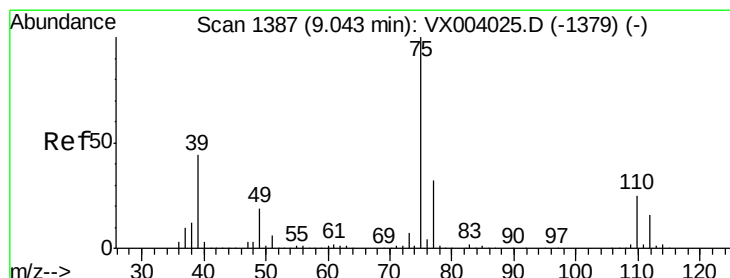
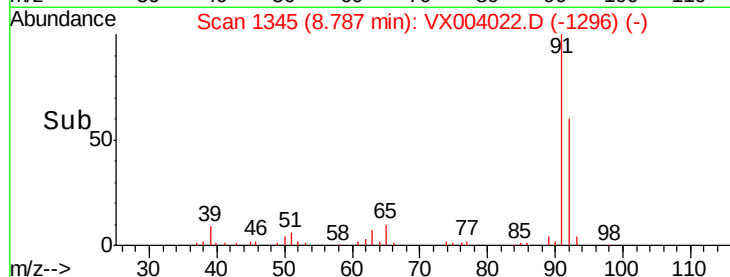
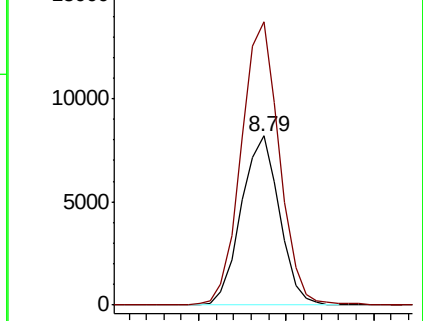
MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.89 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004022.D

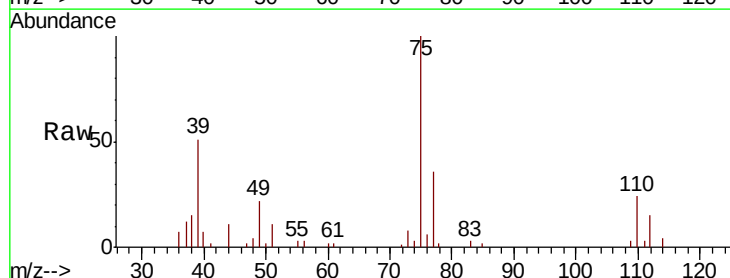
Acq: 14 Aug 2018 10:41

Tgt Ion: 75 Resp: 5786

Ion Ratio Lower Upper

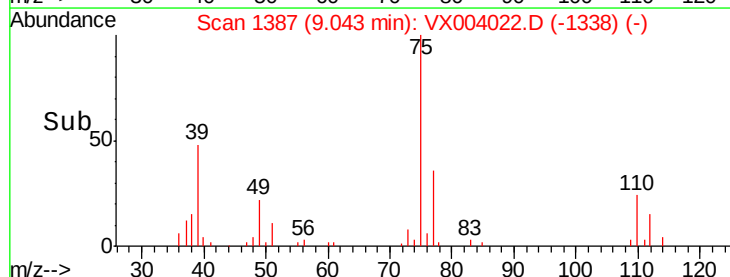
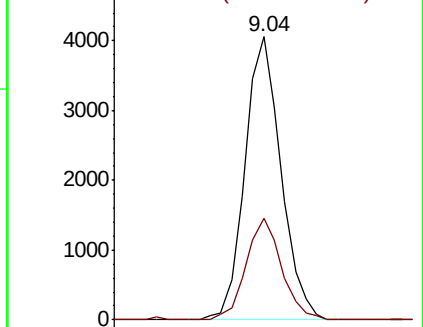
75 100

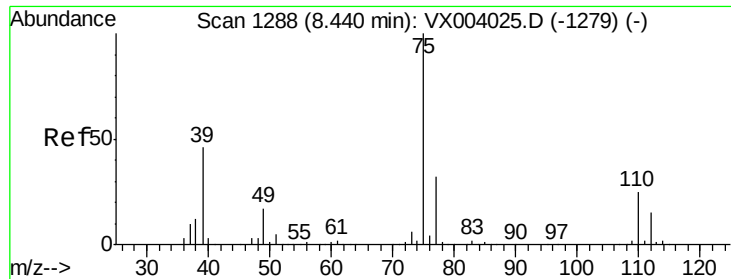
77 35.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





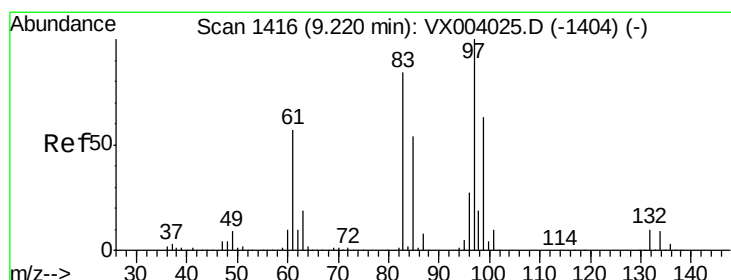
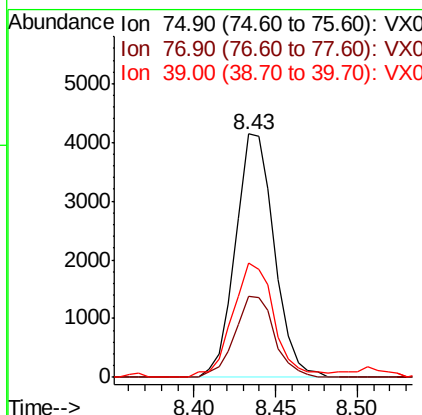
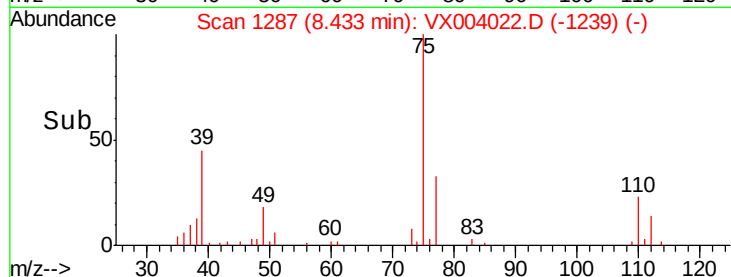
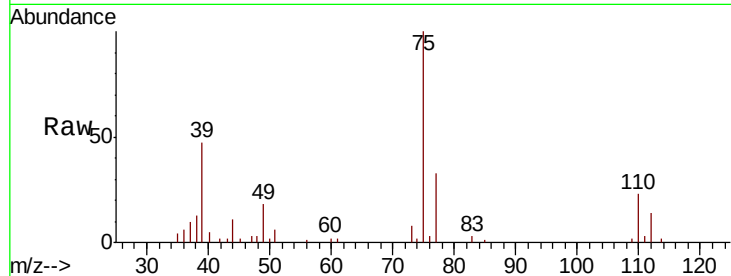
#54
 cis-1,3-Dichloropropene
 Concen: 0.98 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.3	37.9
39	47.1	36.2	54.2

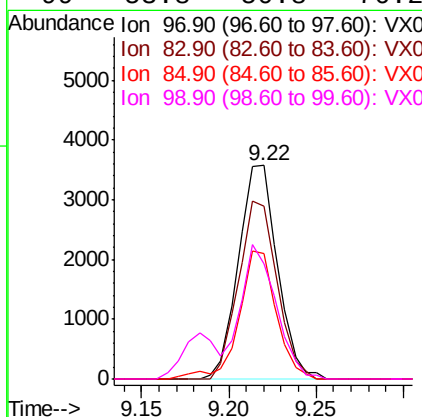
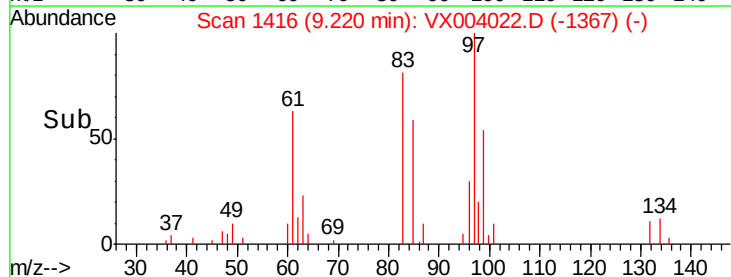
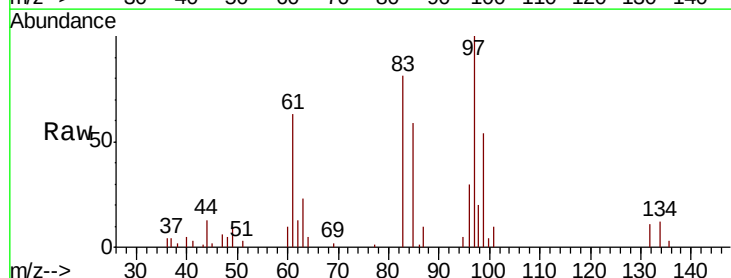
Manual Integrations
 APPROVED

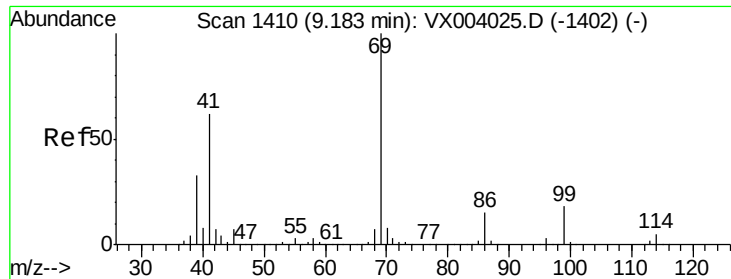
MMDadoda
 8/15/2018 4:14:21 PM



#55
 1,1,2-Trichloroethane
 Concen: 1.18 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.2	67.8	101.6
85	58.5	44.2	66.2
99	53.8	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.82 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

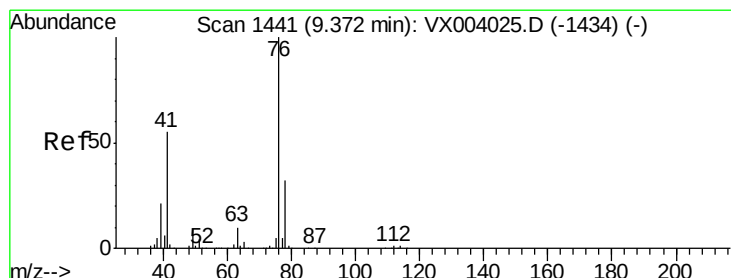
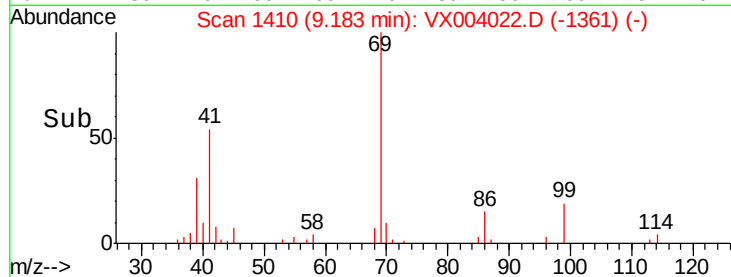
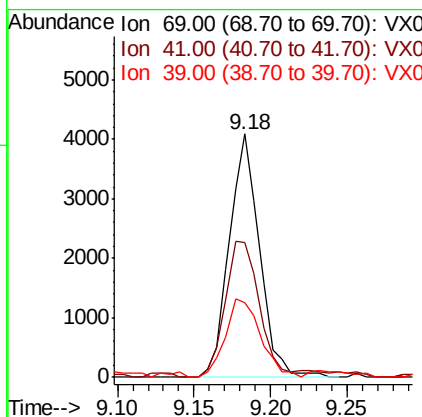
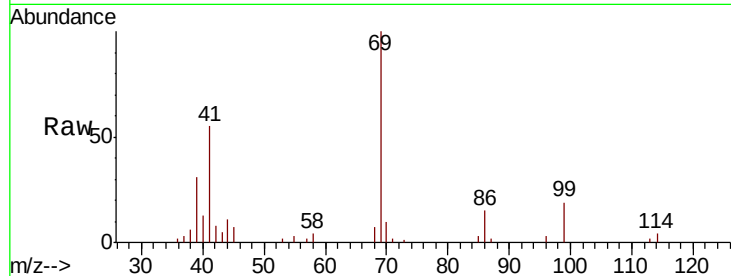
ClientSampleId :

VSTDIC001

Tot Ion:	69.00	Resp:	5608
Ion	Ratio	Lower	Upper
69	100		
41	65.2	50.6	76.0
39	37.5	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#57

1,3-Dichloropropane

Concen: 1.10 ug/l

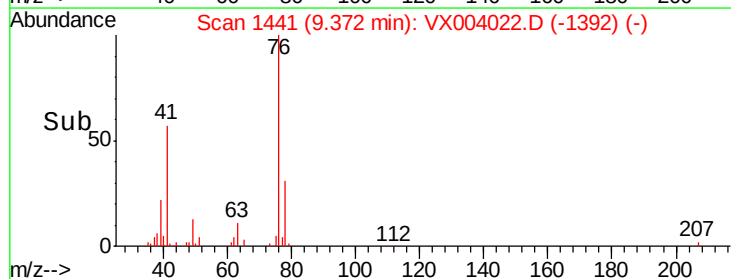
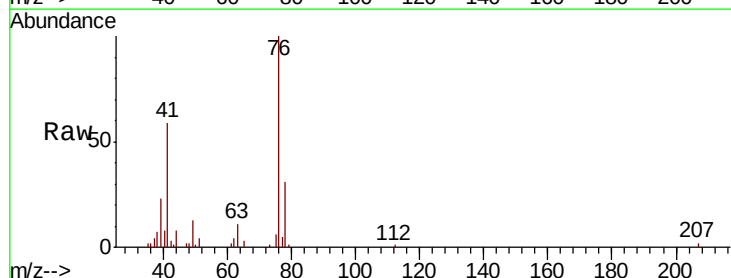
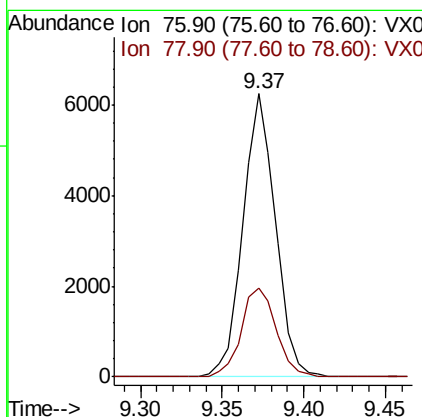
RT: 9.37 min Scan# 1441

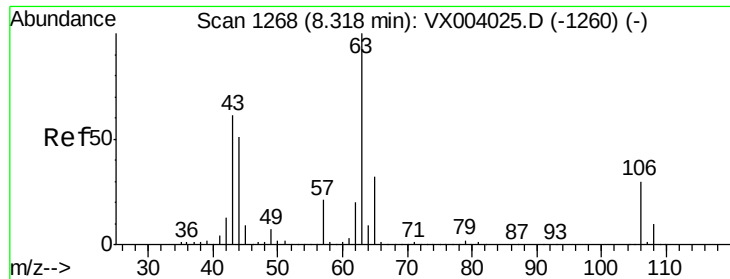
Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	76	Resp:	8647
Ion	Ratio	Lower	Upper
76	100		
78	33.9	25.9	38.9





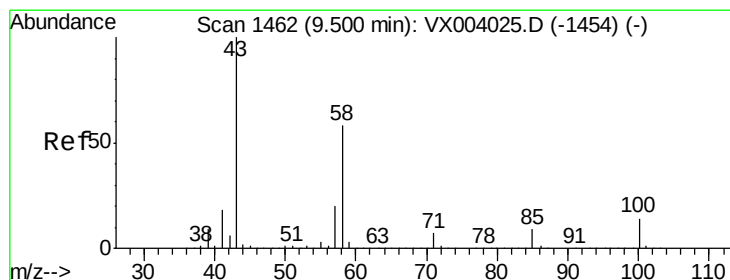
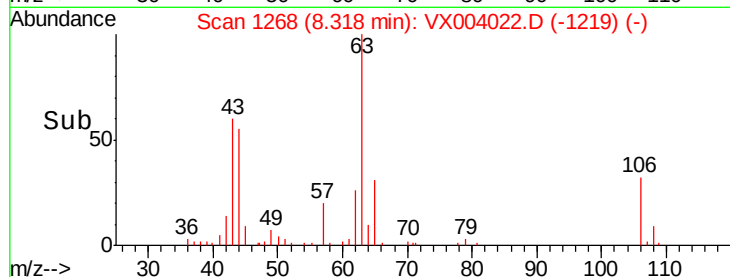
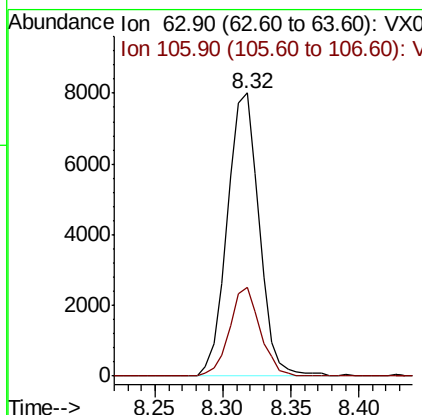
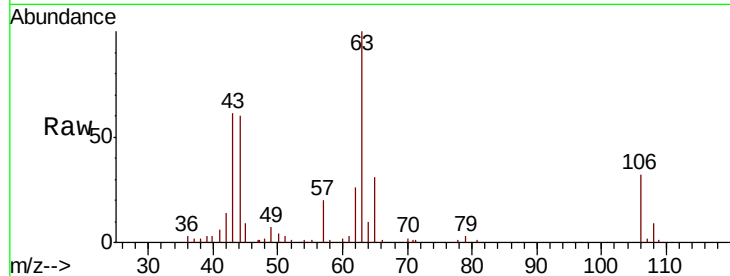
#58
2-Chloroethyl Vinyl ether
Concen: 3.89 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tot Ion: 63 Resp: 13059
Ion Ratio Lower Upper
63 100
106 30.1 23.8 35.8

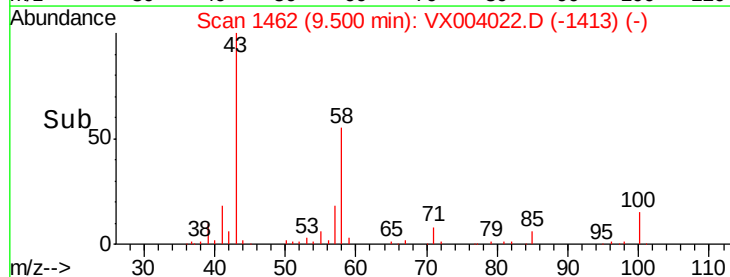
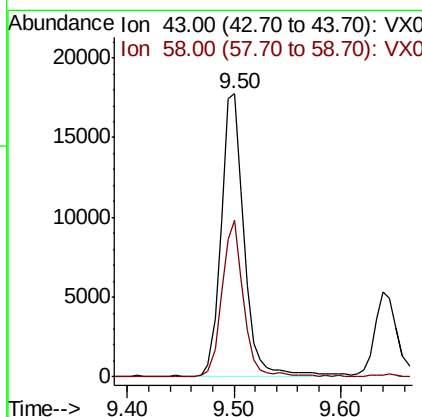
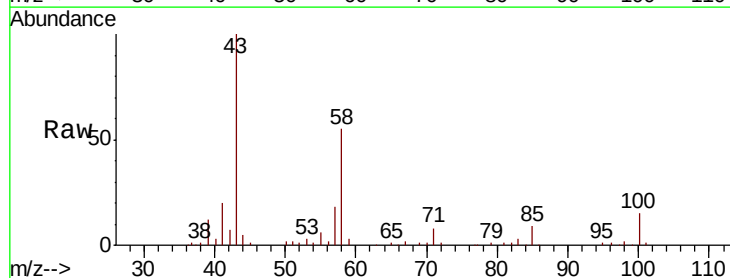
Manual Integrations
APPROVED

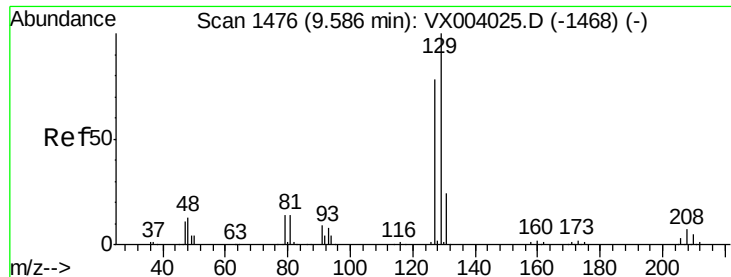
MMDadoda
8/15/2018 4:14:21 PM



#59
2-Hexanone
Concen: 4.34 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion: 43 Resp: 27021
Ion Ratio Lower Upper
43 100
58 51.2 29.0 87.0





#60

Dibromochloromethane

Concen: 1.08 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4734

Ion Ratio Lower Upper

129 100

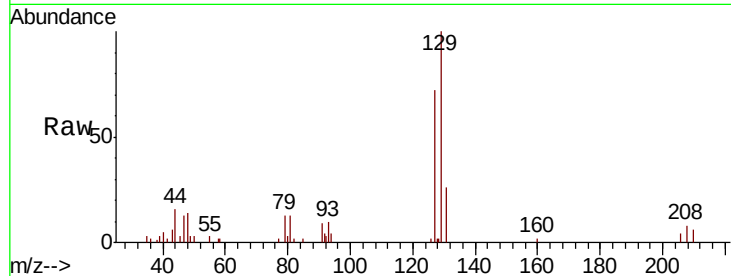
127 77.1 38.8 116.3

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:14:21 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

3000

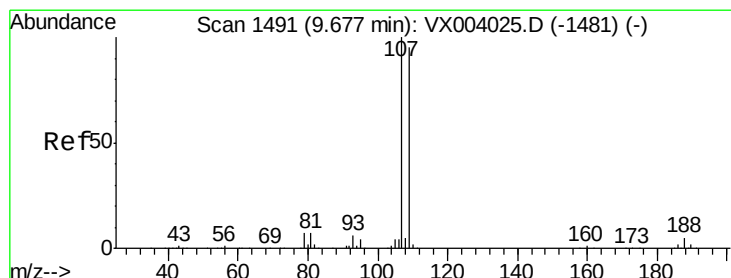
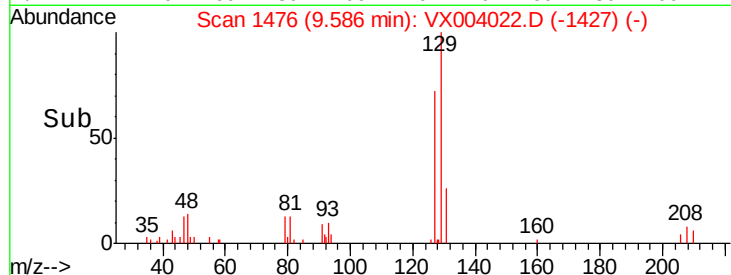
2000

1000

0

9.55 9.60 9.65

Time-->



#61

1,2-Dibromoethane

Concen: 1.10 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004022.D

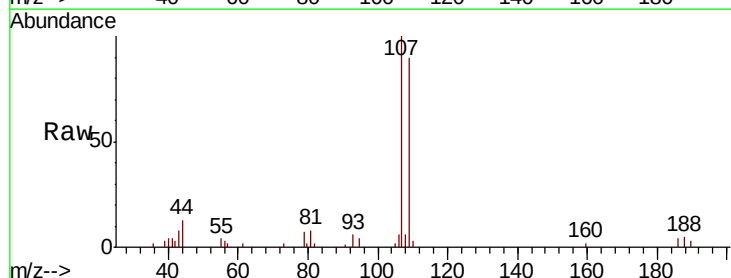
Acq: 14 Aug 2018 10:41

Tgt Ion:107 Resp: 5200

Ion Ratio Lower Upper

107 100

109 96.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

4000

3000

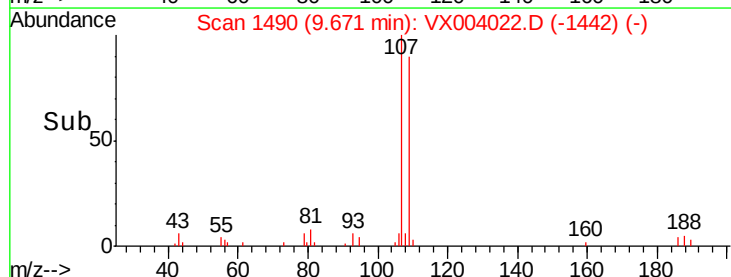
2000

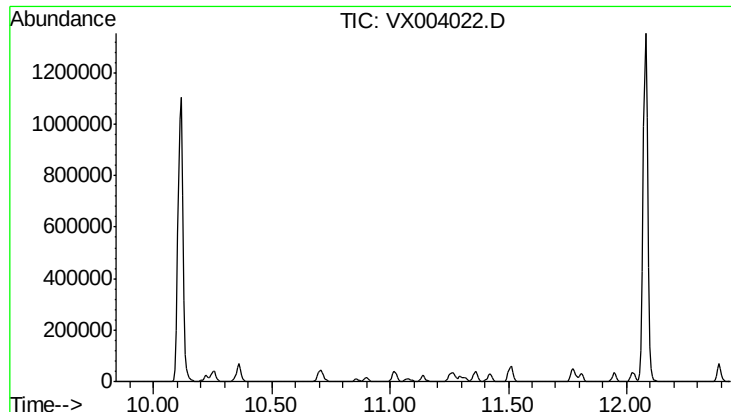
1000

0

9.65 9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.14 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tot Ion: 95

Sig Exp Ratio

95 100

174 91.4

176 89.5

Instrument :

MSVOA_X

ClientSampleId :

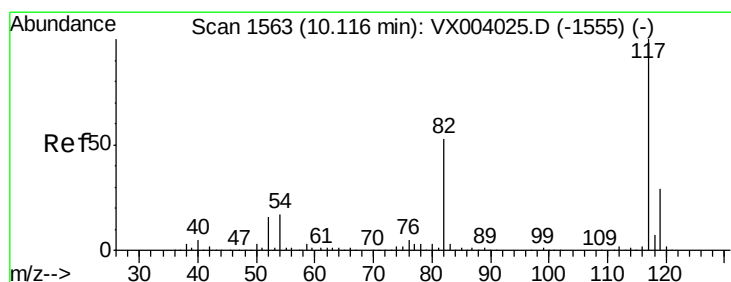
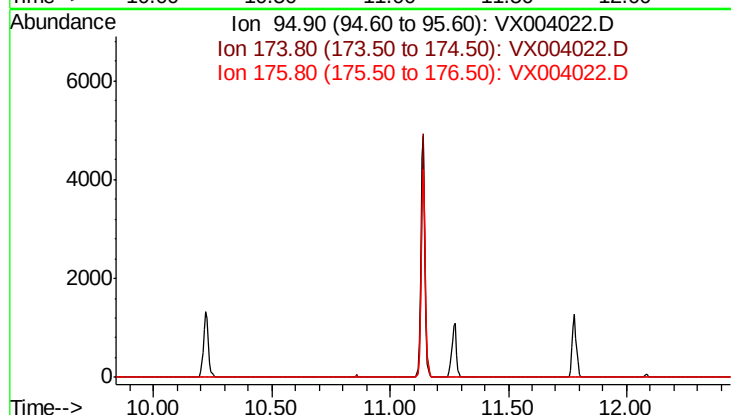
VSTDIC001

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:14:21 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

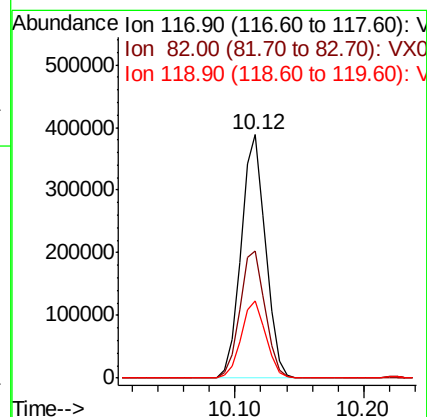
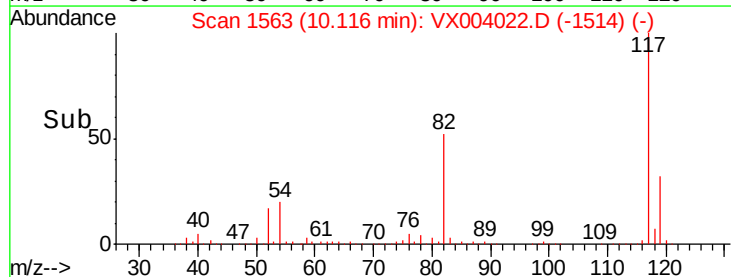
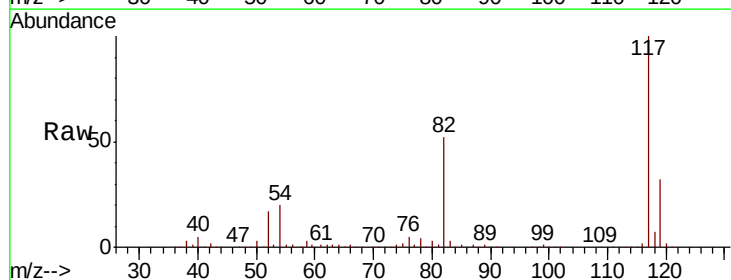
Tgt Ion:117 Resp: 510007

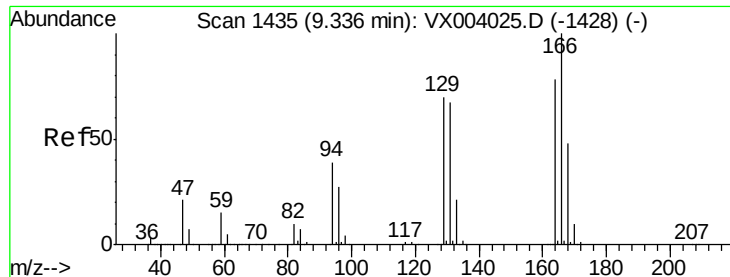
Ion Ratio Lower Upper

117 100

82 52.4 45.4 68.0

119 31.5 26.6 40.0





#64

Tetrachloroethene

Concen: 1.13 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

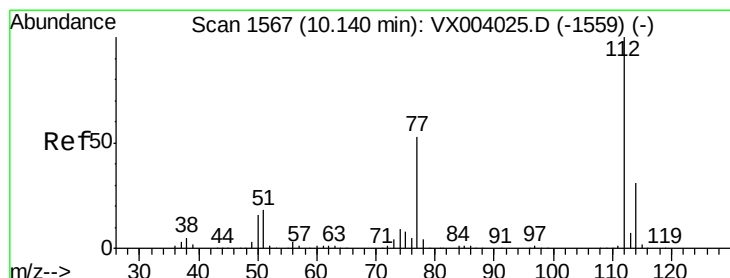
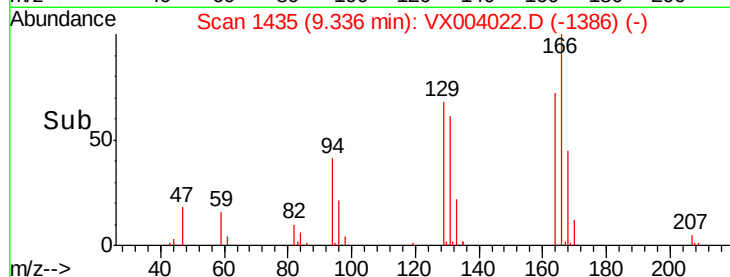
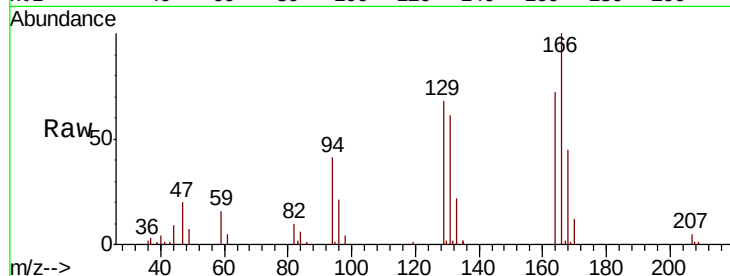
ClientSampleId :

VSTDIC001

Tot Ion:	164	Resp:	5660
Ion	Ratio	Lower	Upper
164	100		
166	139.1	98.0	147.0
129	95.0	64.3	96.5
131	84.3	66.8	100.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#65

Chlorobenzene

Concen: 1.19 ug/l

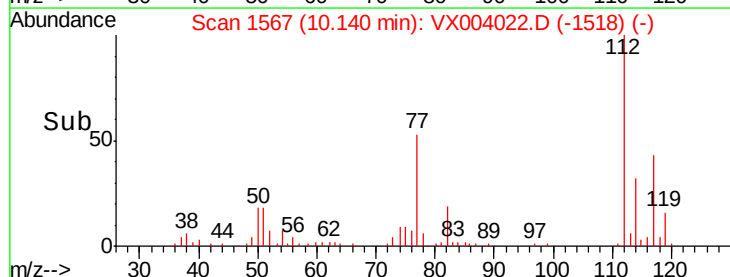
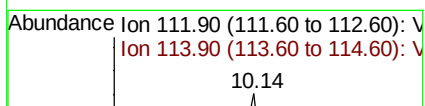
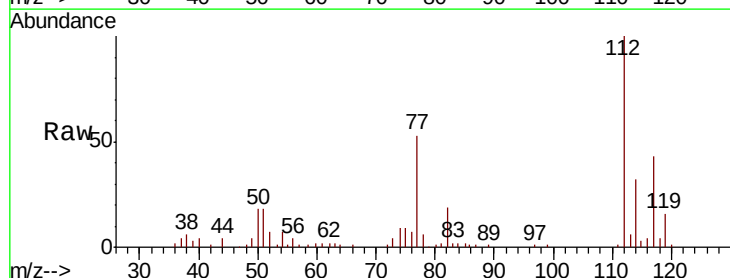
RT: 10.14 min Scan# 1567

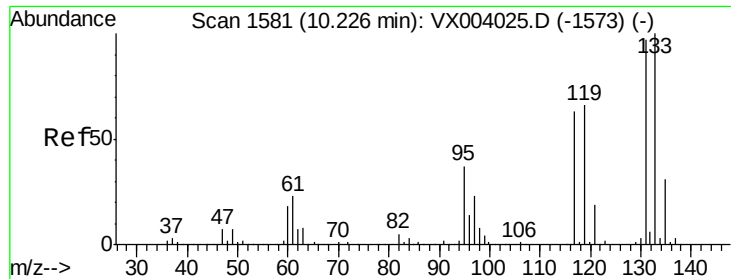
Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	112	Resp:	15838
Ion	Ratio	Lower	Upper
112	100		
114	32.2	23.6	35.4





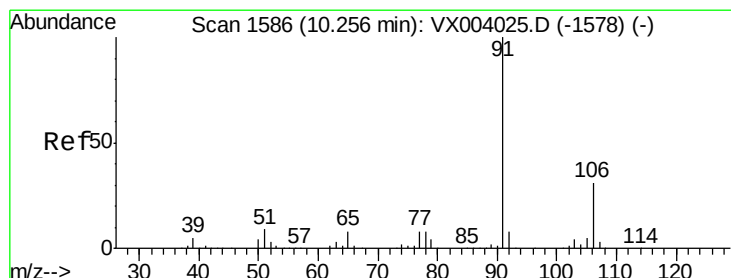
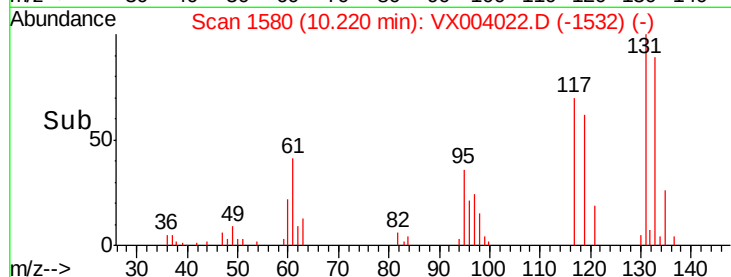
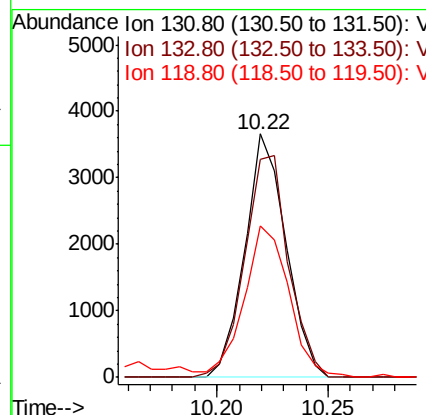
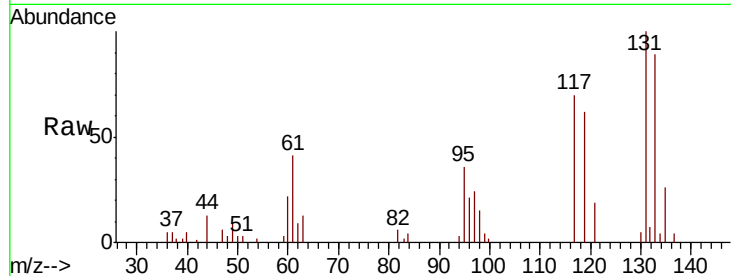
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.03 ug/l
 RT: 10.22 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.3	141.8
119	0.0	31.6	94.8

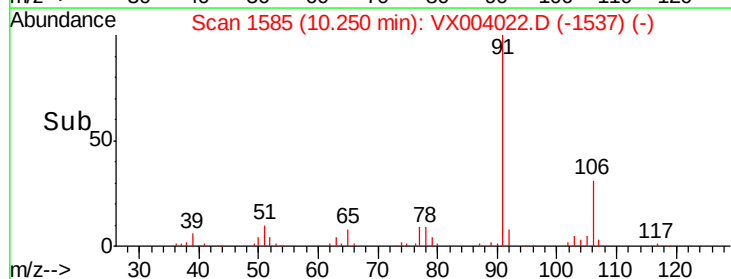
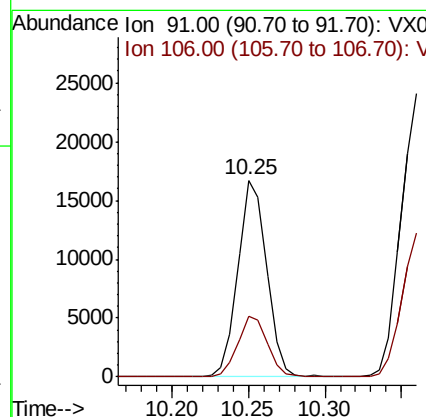
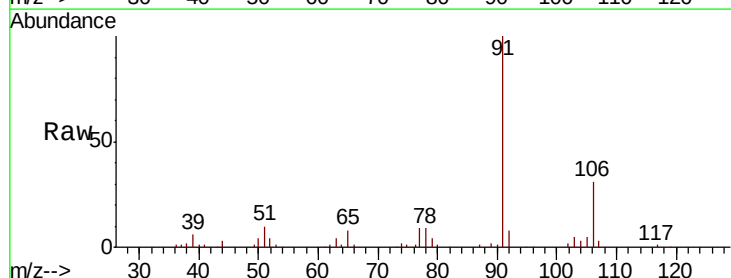
Manual Integrations
 APPROVED

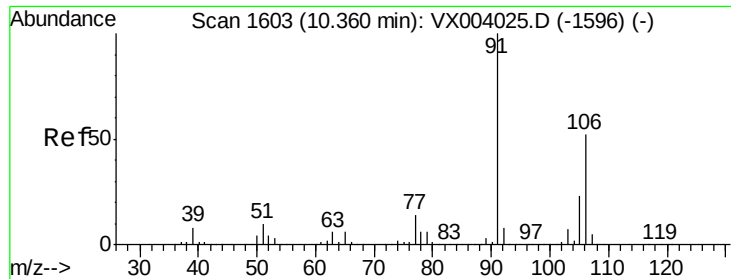
MMDadoda
 8/15/2018 4:14:21 PM



#67
 Ethyl Benzene
 Concen: 1.00 ug/l
 RT: 10.25 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.9	38.9





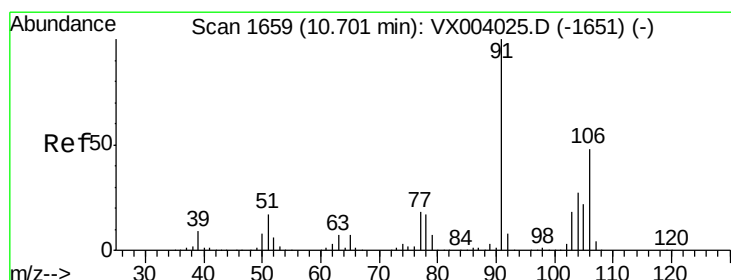
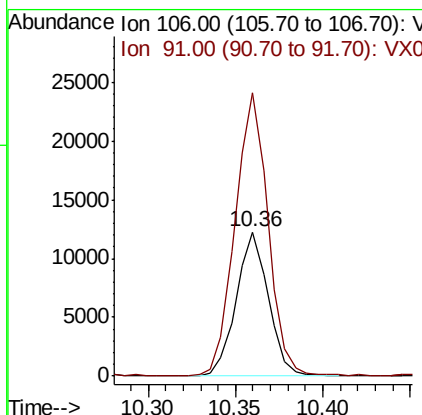
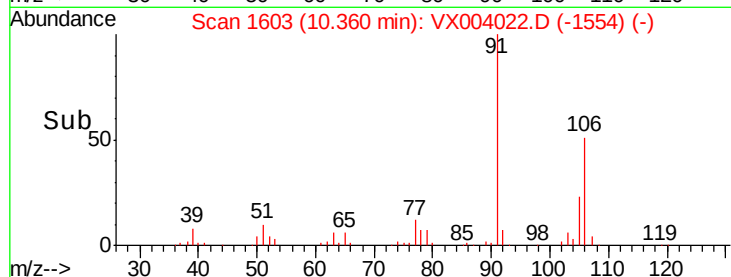
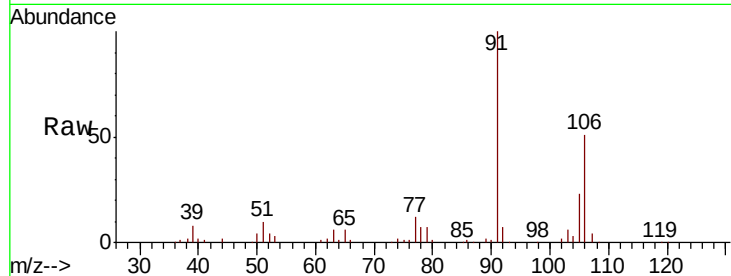
#68
m/p-Xylenes
Concen: 1.85 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 15703
Ion Ratio Lower Upper
106 100
91 200.9 162.3 243.5

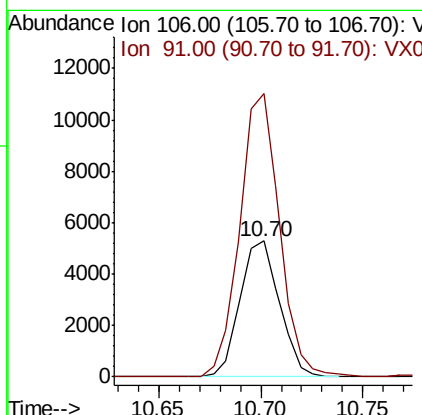
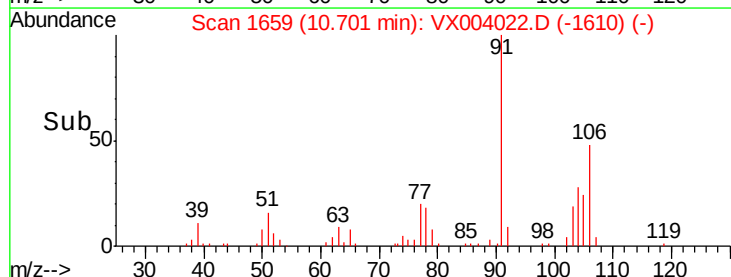
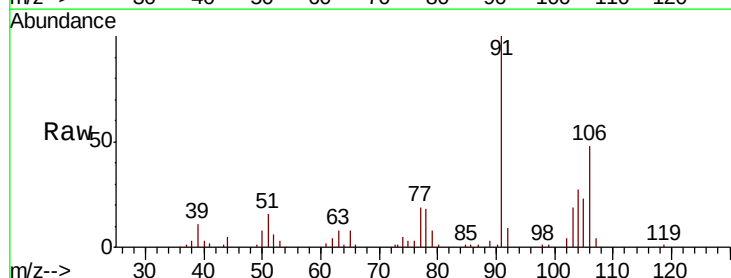
Manual Integrations
APPROVED

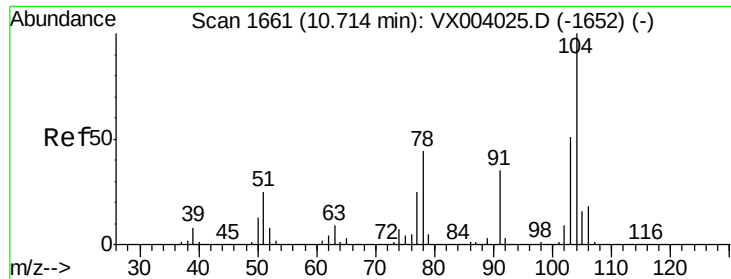
MMDadoda
8/15/2018 4:14:21 PM



#69
o-Xylene
Concen: 0.89 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion:106 Resp: 7107
Ion Ratio Lower Upper
106 100
91 209.9 101.9 305.7





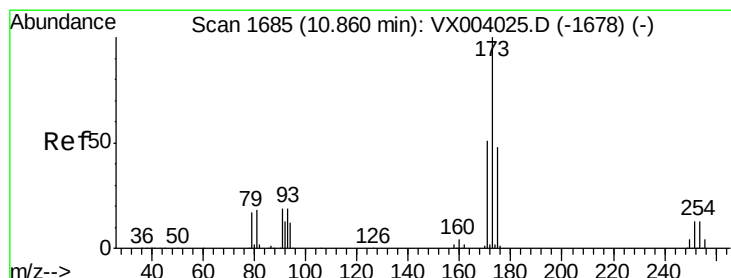
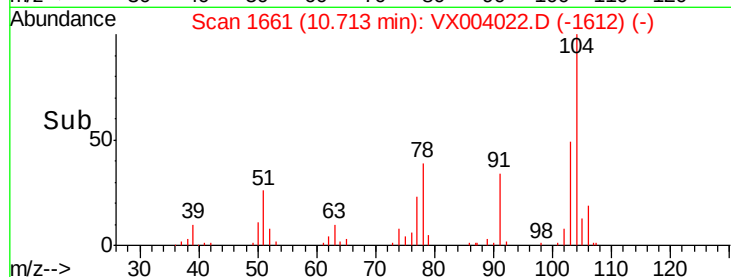
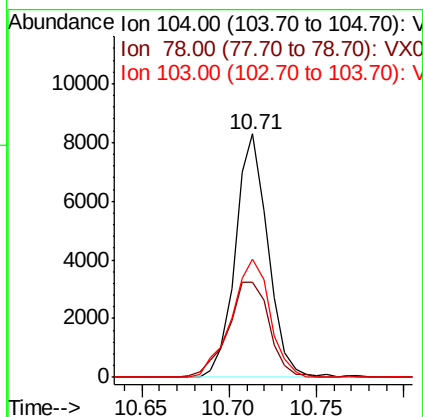
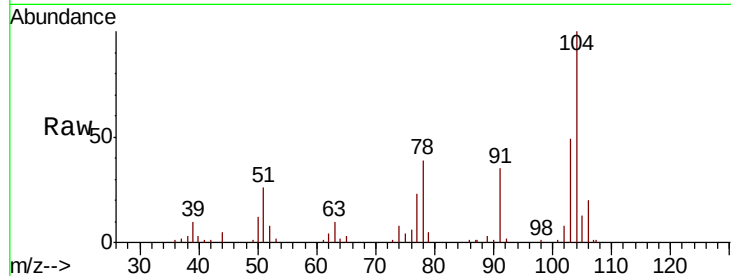
#70
Stvrene
Concen: 0.82 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.8	59.6
103	57.2	44.3	66.5

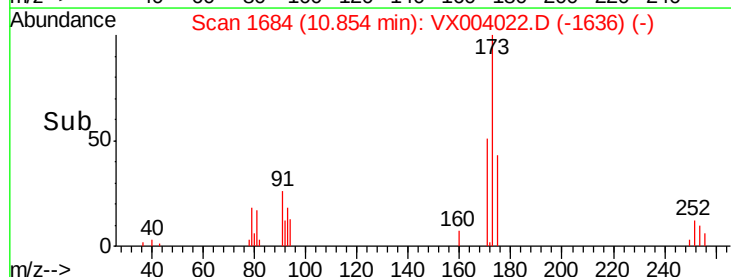
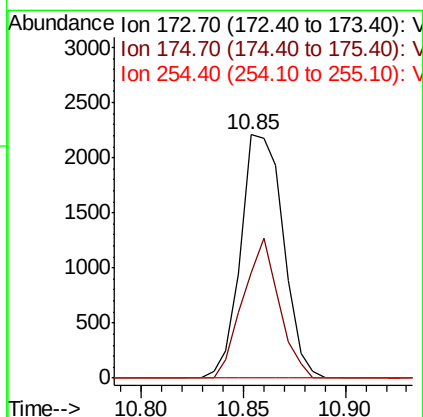
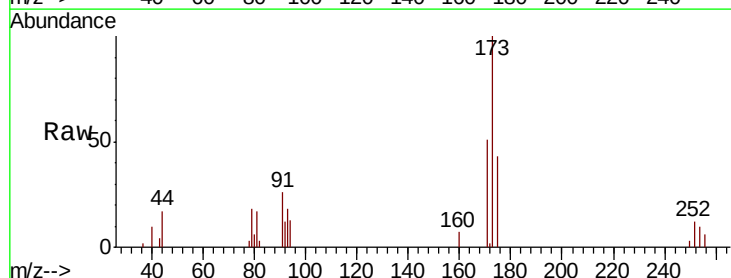
Manual Integrations
APPROVED

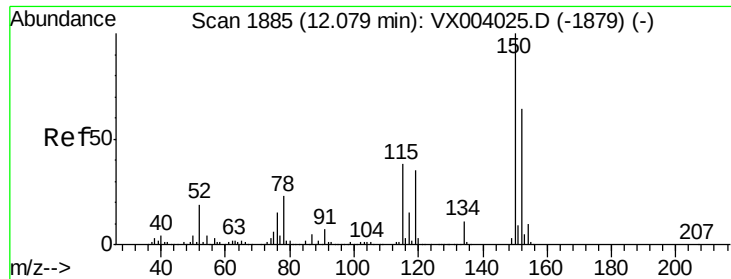
MMDadoda
8/15/2018 4:14:21 PM



#71
Bromoform
Concen: 0.94 ug/l
RT: 10.85 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.7
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

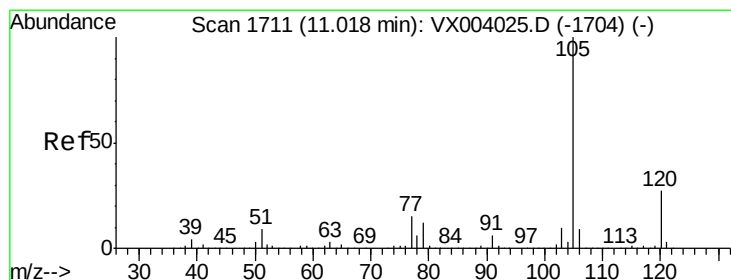
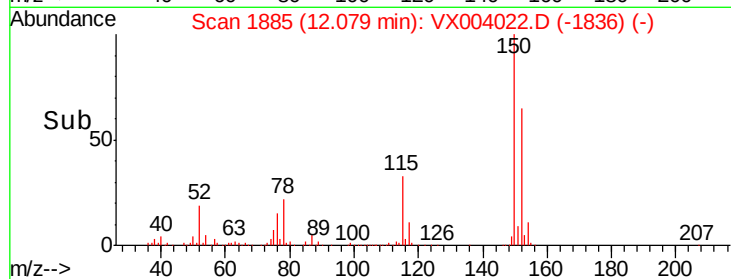
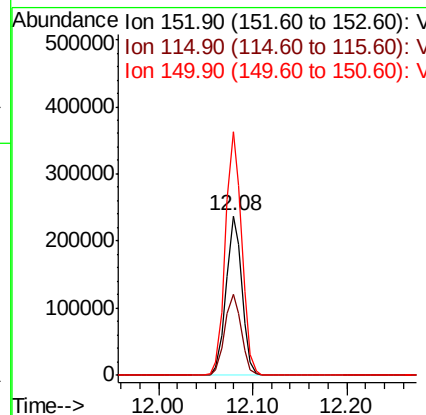
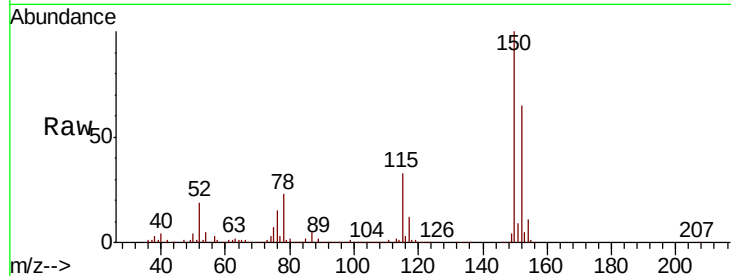
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	276555
Ion Ratio	Lower	Upper	
152	100		
115	53.2	39.1	117.3
150	156.9	0.0	349.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#73

Isopropylbenzene

Concen: 0.89 ug/l

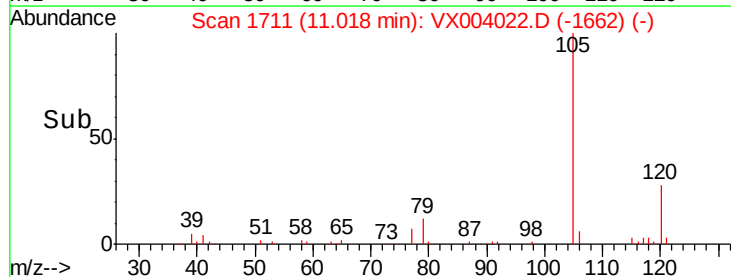
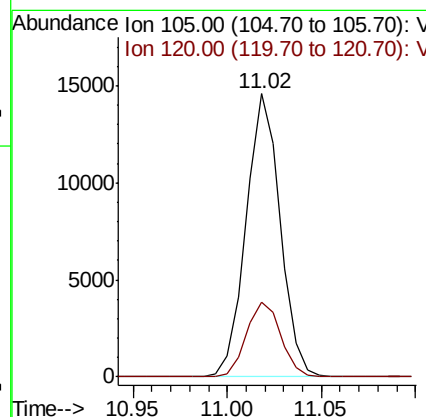
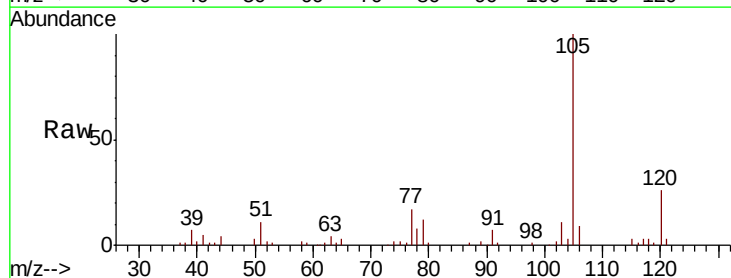
RT: 11.02 min Scan# 1711

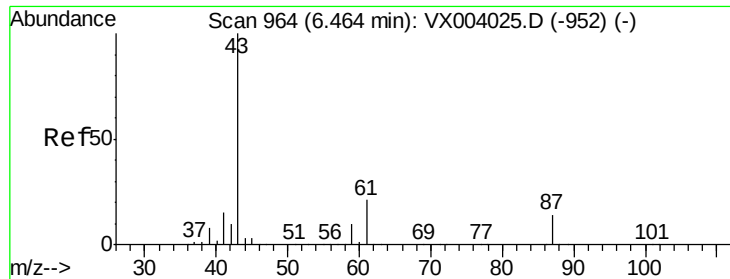
Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Tgt Ion:	105	Resp:	18265
Ion Ratio	Lower	Upper	
105	100		
120	26.7	12.6	37.8





#74

N-amvl acetate

Concen: 0.98 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

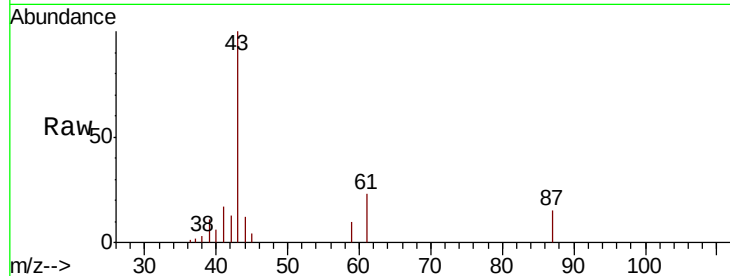
ClientSampleId :

VSTDIC001

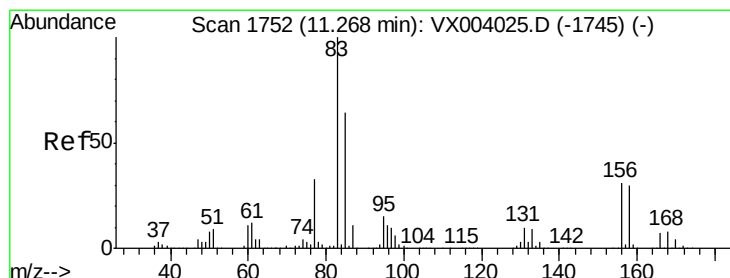
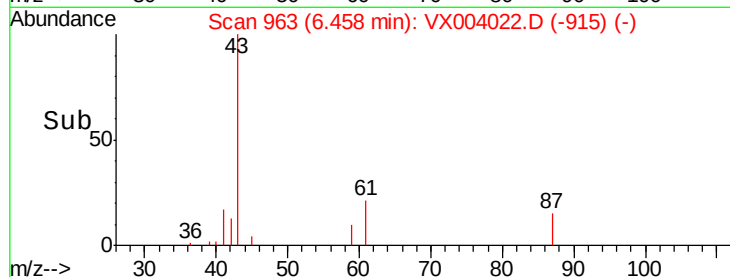
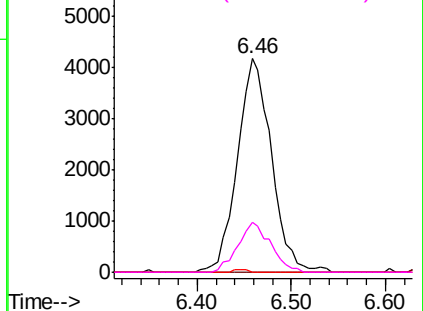
Tot Ion	43	Resp	10434
Ion Ratio	Lower	Upper	
43	100		
70	0.0	0.0	0.0
55	0.6	0.1	0.1#
61	22.7	16.9	25.3

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.09 ug/l

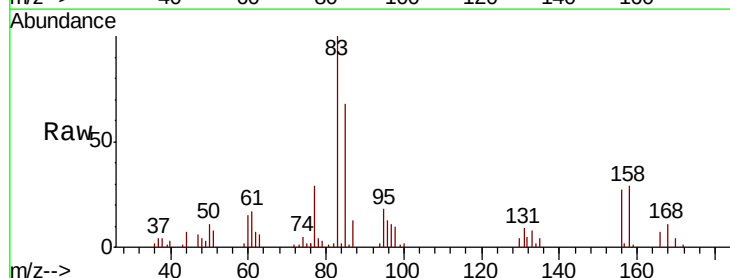
RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

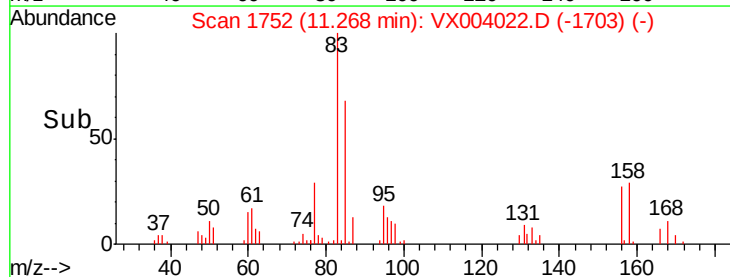
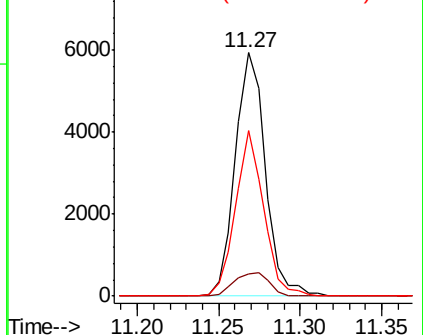
Lab File: VX004022.D

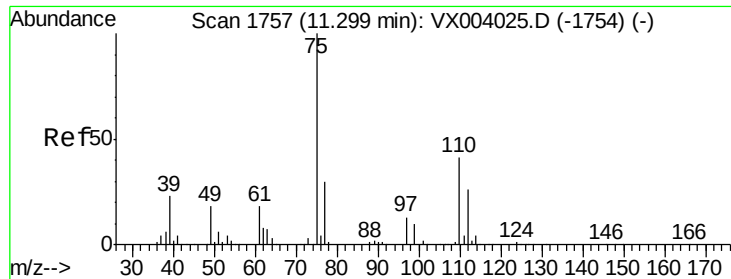
Acq: 14 Aug 2018 10:41

Tgt Ion	83	Resp	7656
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	63.6	32.2	96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.00 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 6127

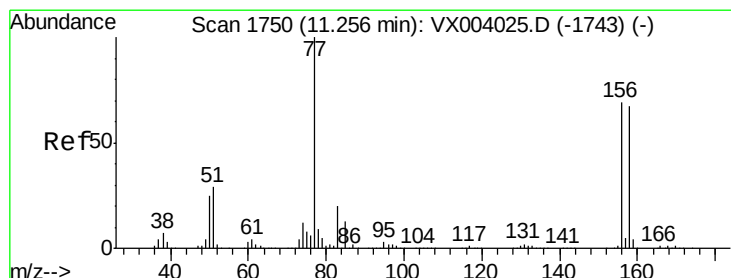
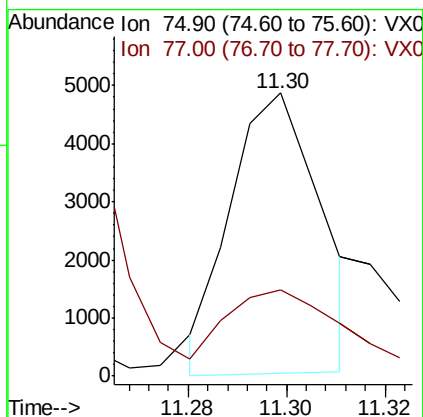
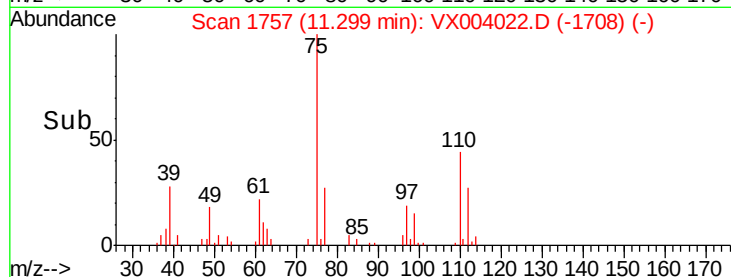
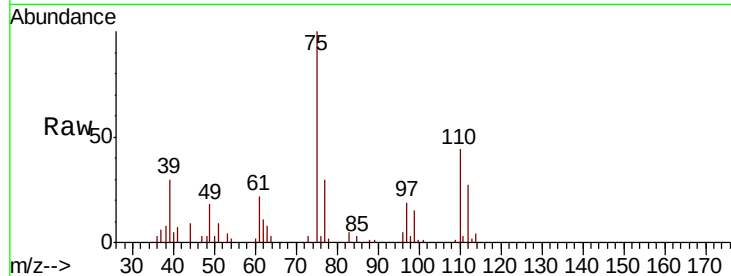
Ion Ratio Lower Upper

75 100

77 41.8 20.8 62.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



#77

Bromobenzene

Concen: 1.05 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

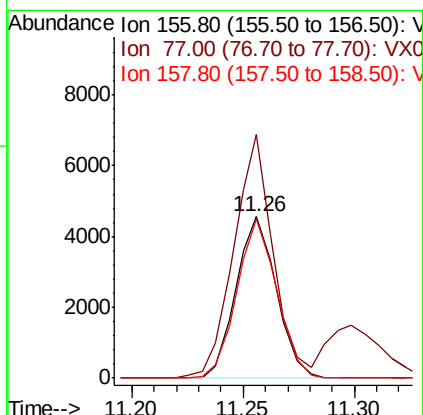
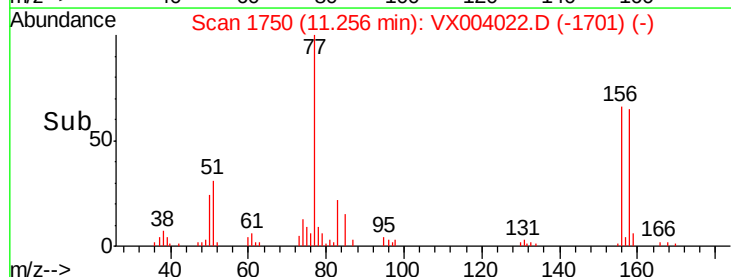
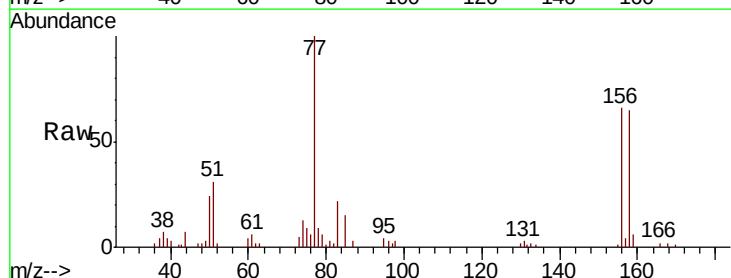
Tgt Ion: 156 Resp: 5731

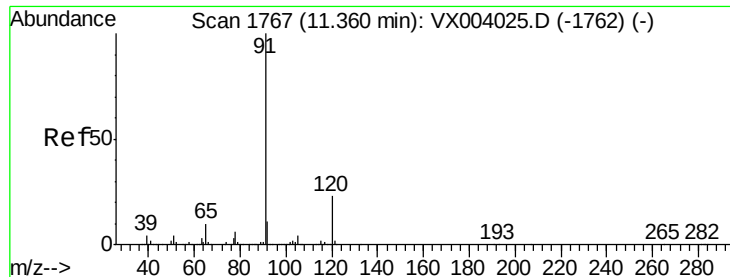
Ion Ratio Lower Upper

156 100

77 147.1 74.1 222.2

158 97.9 48.6 145.9





#78

n-propylbenzene

Concen: 0.85 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 19430

Ion Ratio Lower Upper

91 100

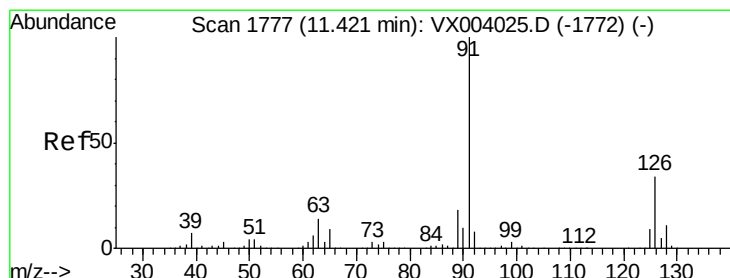
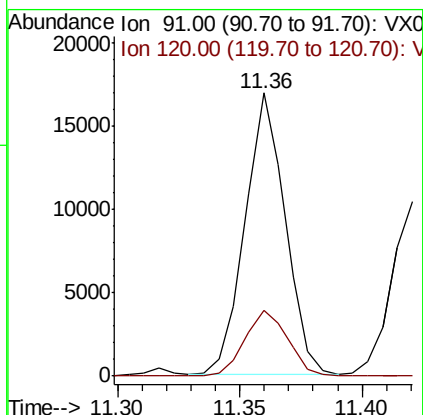
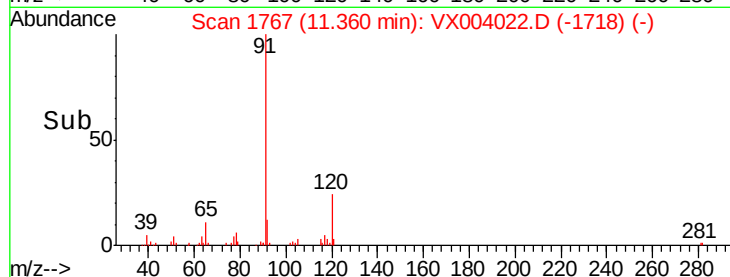
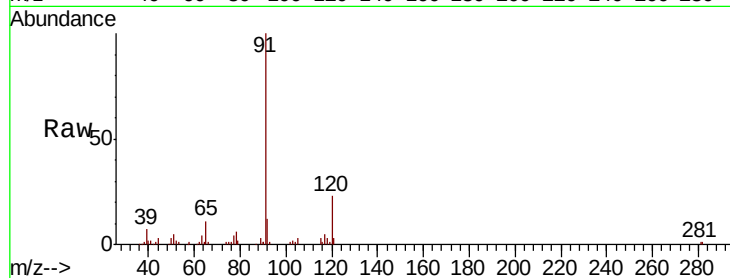
120 24.8 11.9 35.5

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:14:21 PM



#79

2-Chlorotoluene

Concen: 0.95 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004022.D

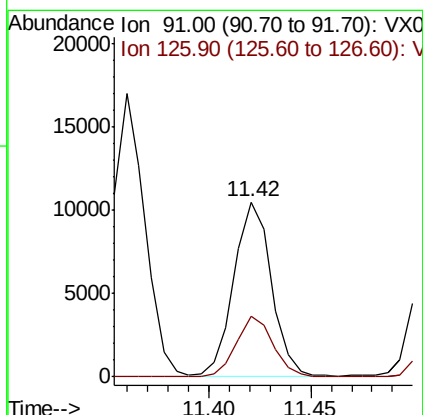
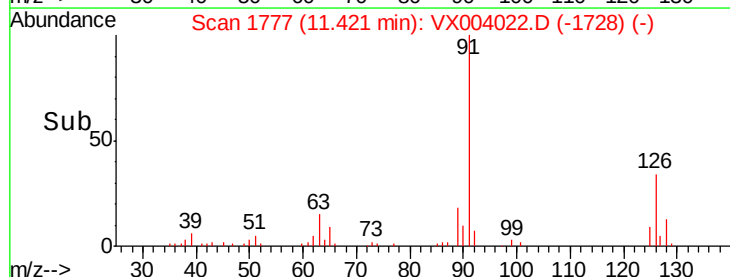
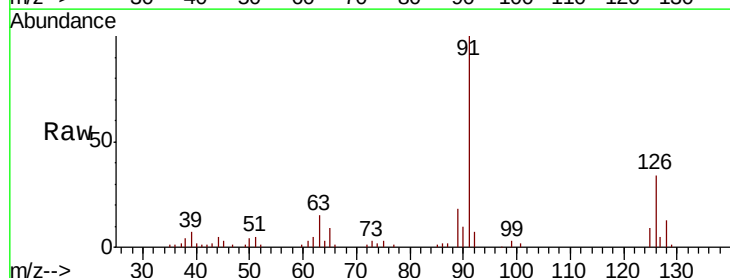
Acq: 14 Aug 2018 10:41

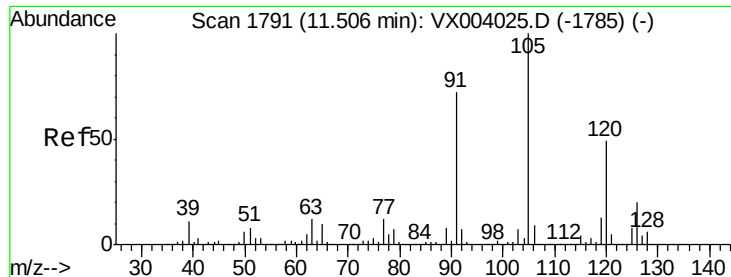
Tgt Ion: 91 Resp: 13311

Ion Ratio Lower Upper

91 100

126 33.6 17.4 52.3





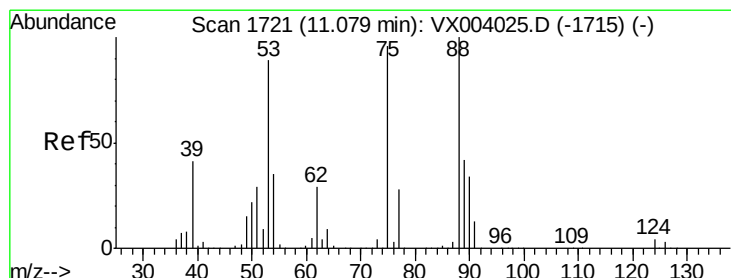
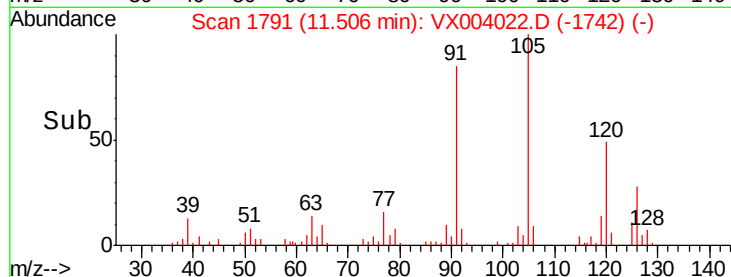
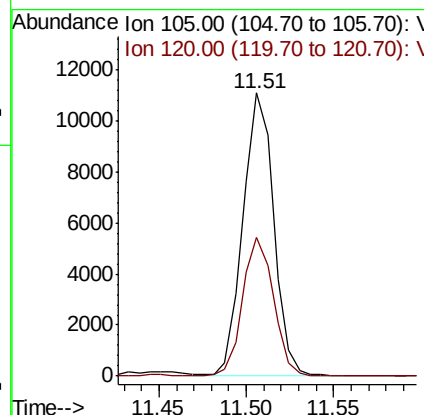
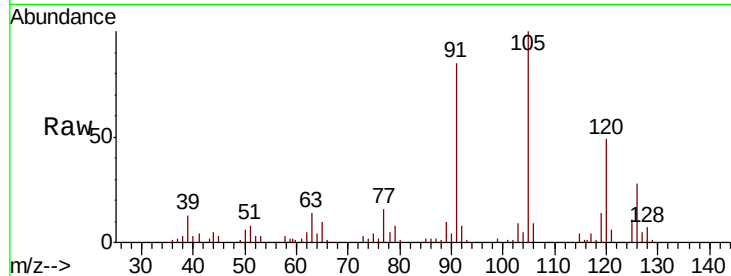
#80
 1,3,5-Trimethylbenzene
 Concen: 0.81 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 13594
 Ion Ratio Lower Upper
 105 100
 120 49.2 25.4 76.2

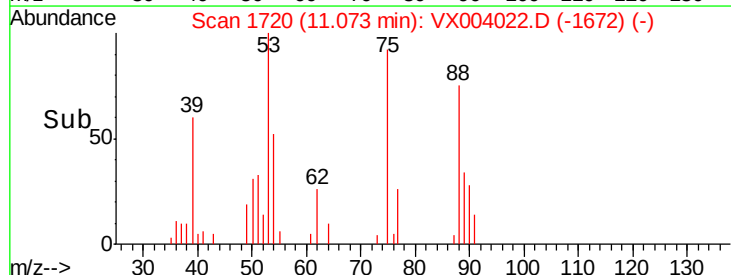
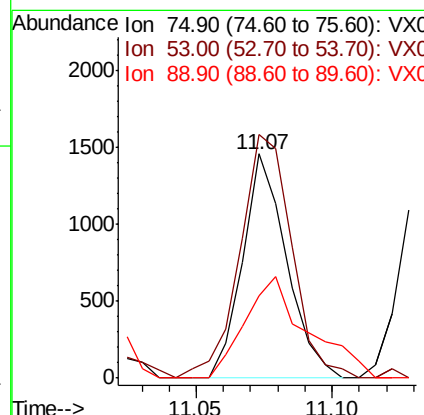
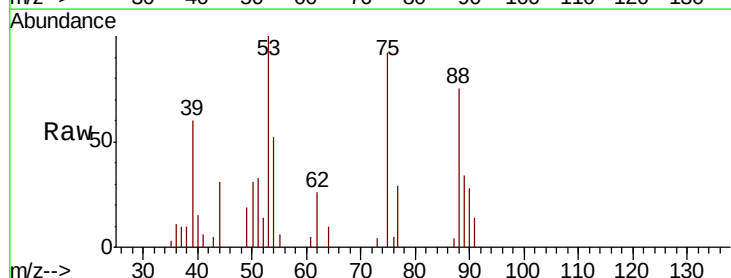
Manual Integrations
 APPROVED

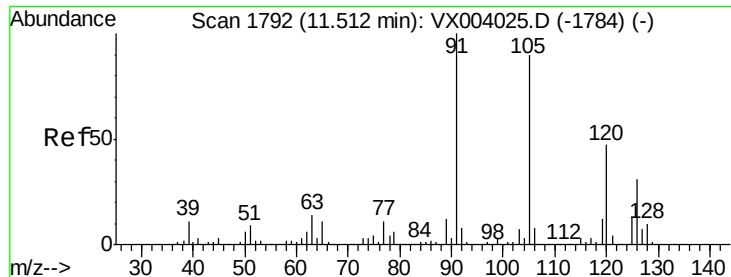
MMDadoda
 8/15/2018 4:14:21 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.82 ug/l
 RT: 11.07 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion: 75 Resp: 1635
 Ion Ratio Lower Upper
 75 100
 53 127.8 80.3 120.5#
 89 64.7 37.8 56.8#





#82

4-Chlorotoluene

Concen: 0.92 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 15159

Ion Ratio Lower Upper

91 100

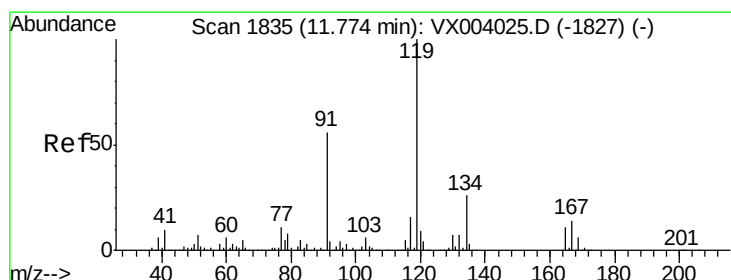
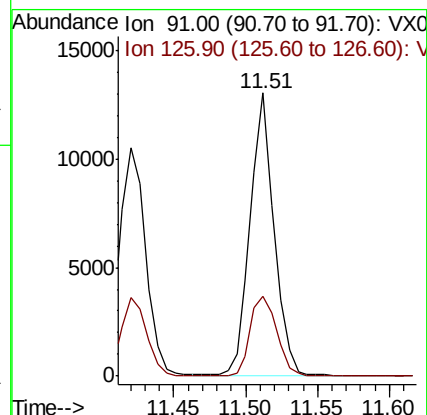
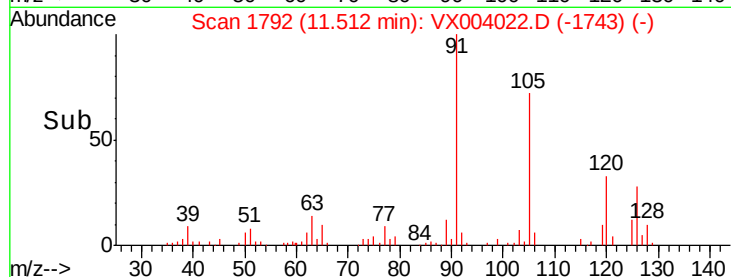
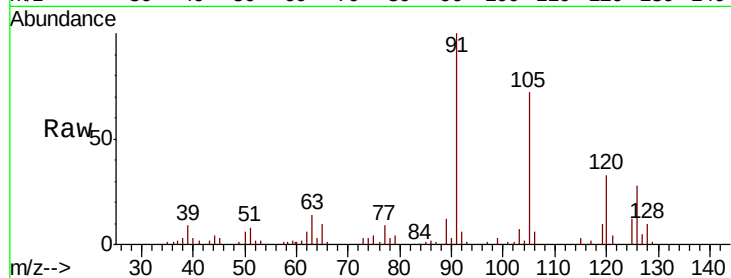
126 30.9 15.6 46.7

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:14:21 PM



#83

tert-Butylbenzene

Concen: 0.90 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

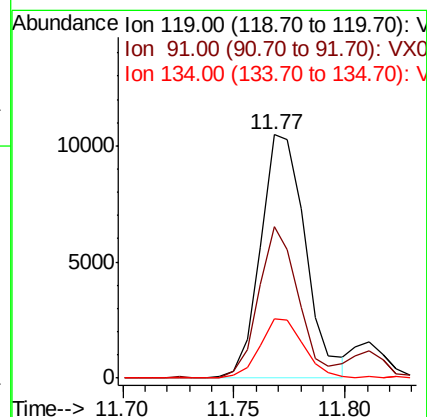
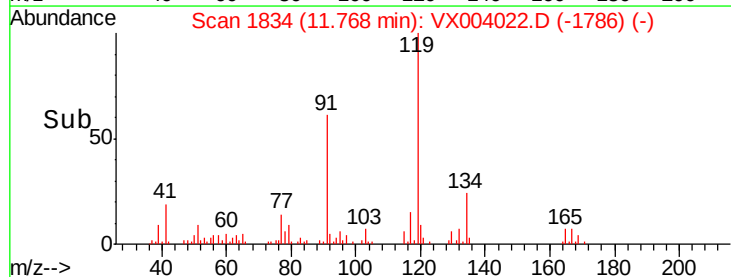
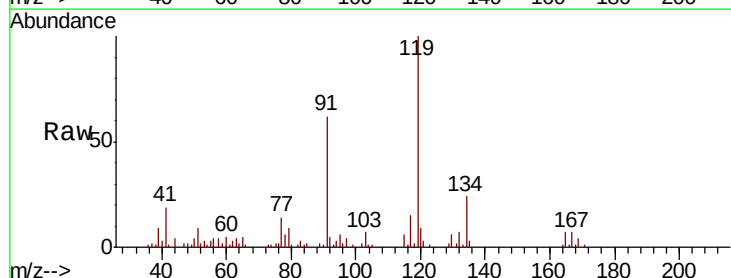
Tgt Ion: 119 Resp: 14721

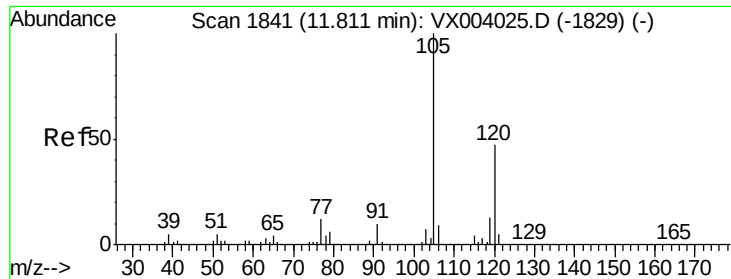
Ion Ratio Lower Upper

119 100

91 54.7 26.9 80.7

134 23.9 12.0 36.0





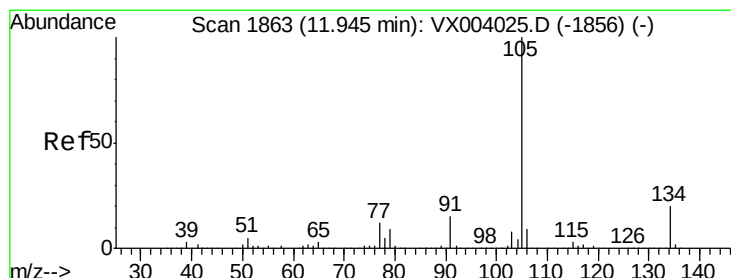
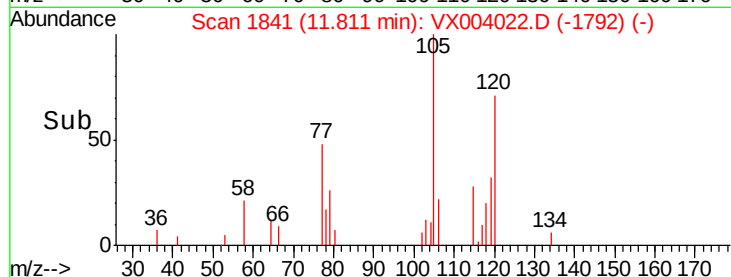
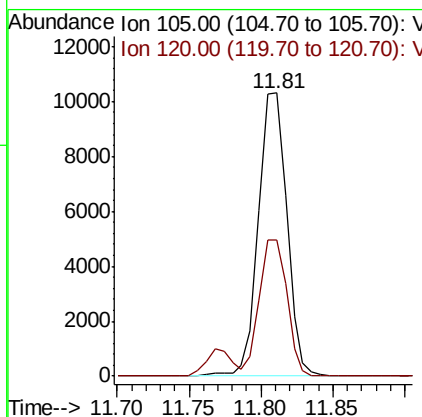
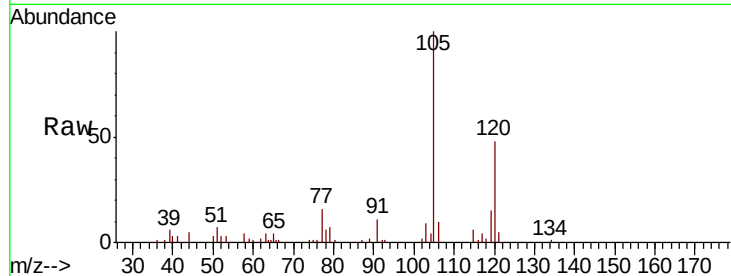
#84
1,2,4-Trimethylbenzene
Concen: 0.84 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:105 Resp: 14087
Ion Ratio Lower Upper
105 100
120 46.8 23.1 69.2

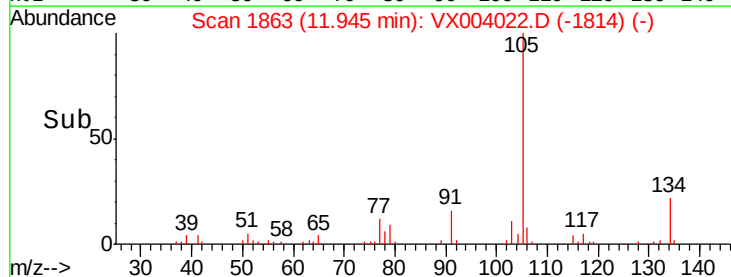
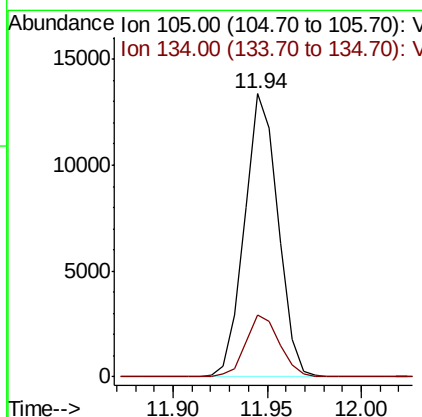
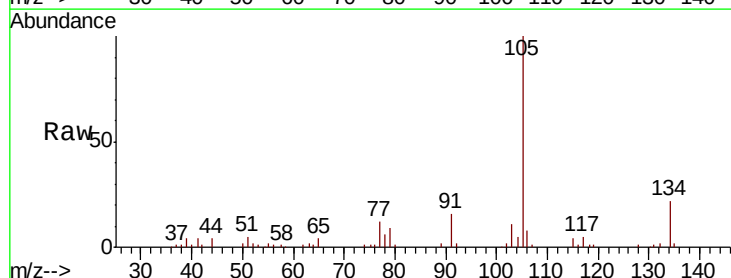
Manual Integrations
APPROVED

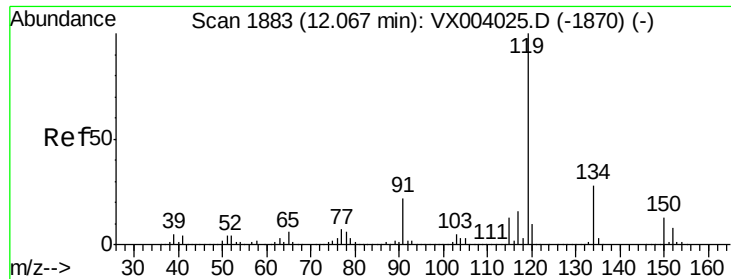
MMDadoda
8/15/2018 4:14:21 PM



#85
sec-Butylbenzene
Concen: 0.85 ug/l
RT: 11.94 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion:105 Resp: 16478
Ion Ratio Lower Upper
105 100
134 22.0 10.3 30.9





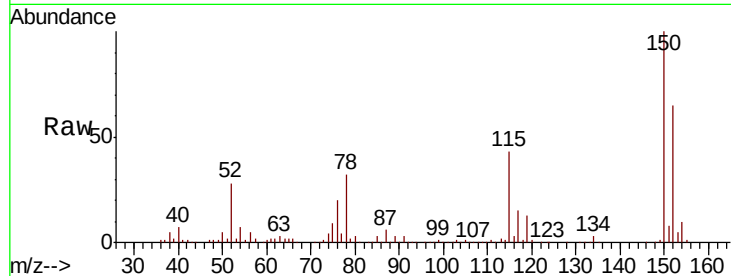
#86
 p-Isopropyltoluene
 Concen: 0.85 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.3	39.8
91	26.0	10.9	32.7

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:14:21 PM

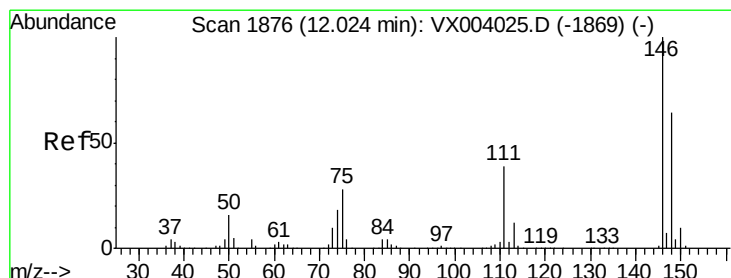
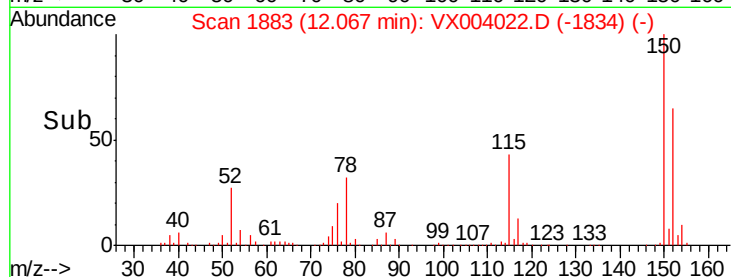
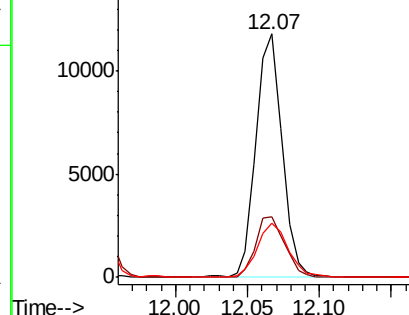


Abundance

Ion 119.00 (118.70 to 119.70): V

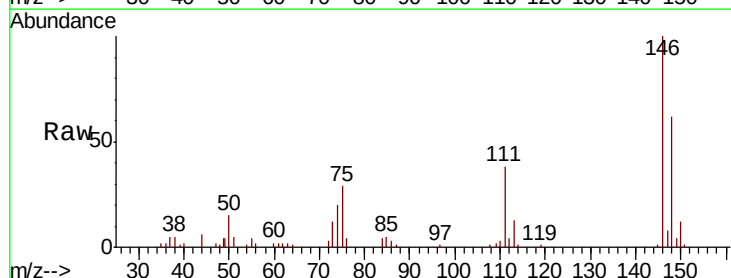
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
 1,3-Dichlorobenzene
 Concen: 1.15 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.8	56.4
148	60.2	31.9	95.5

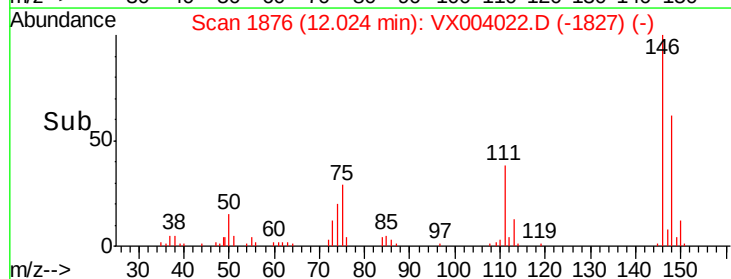
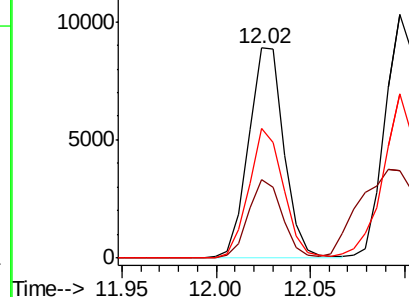


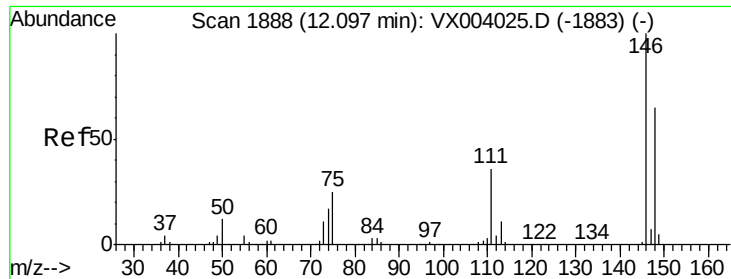
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





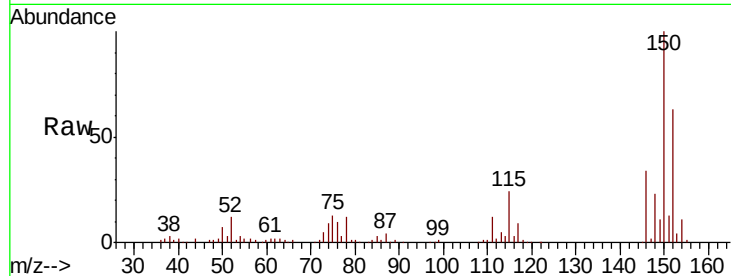
#88
 1,4-Dichlorobenzene
 Concen: 1.18 ug/l m
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

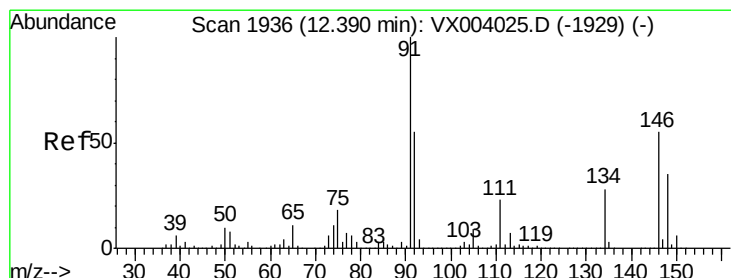
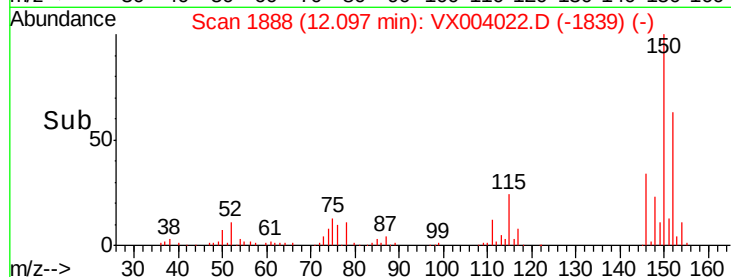
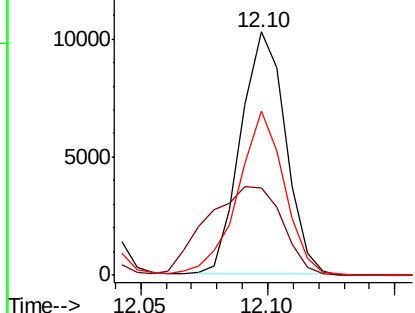
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.5	18.4	55.0
148	56.5	32.3	96.8

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:14:21 PM

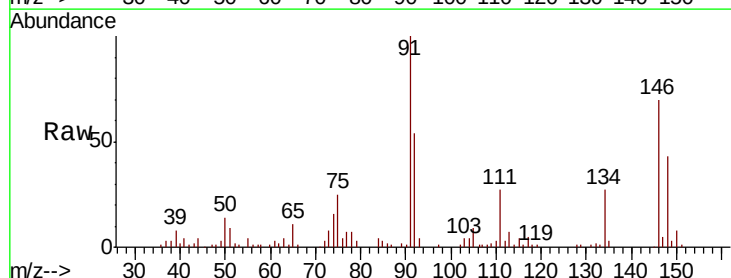


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

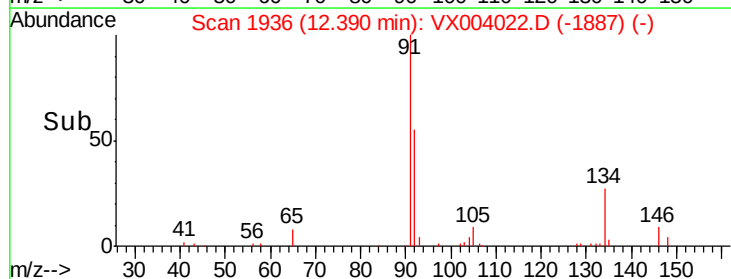
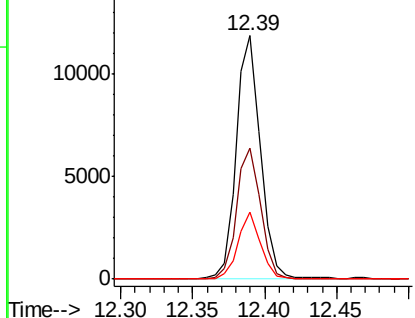


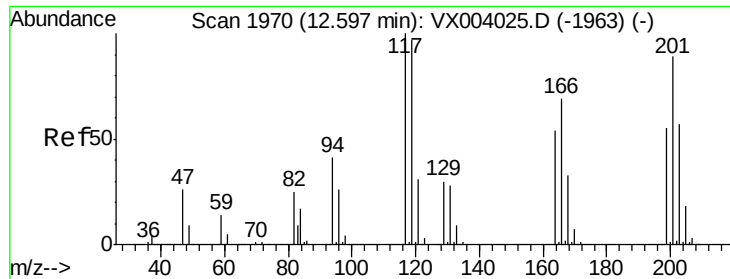
#89
 n-Butylbenzene
 Concen: 0.92 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.3
134	25.5	13.6	40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





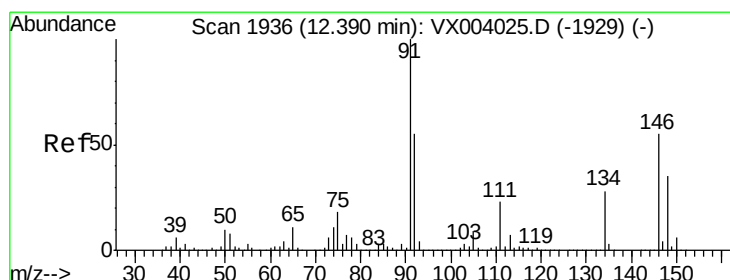
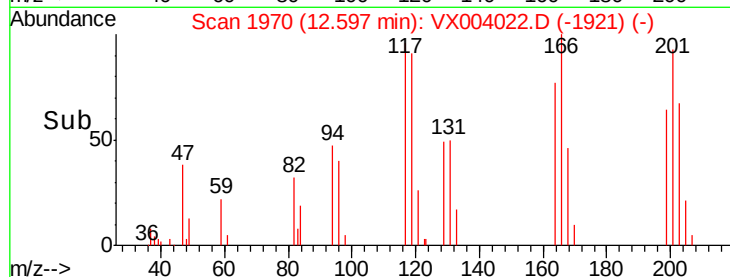
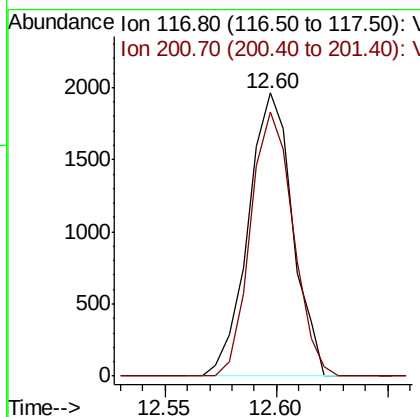
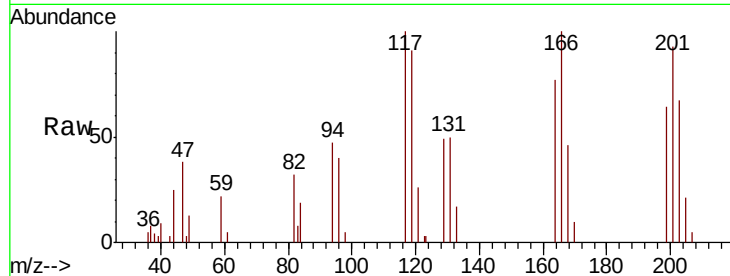
#90
Hexachloroethane
Concen: 0.97 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2730
Ion Ratio Lower Upper
117 100
201 89.2 46.1 138.2

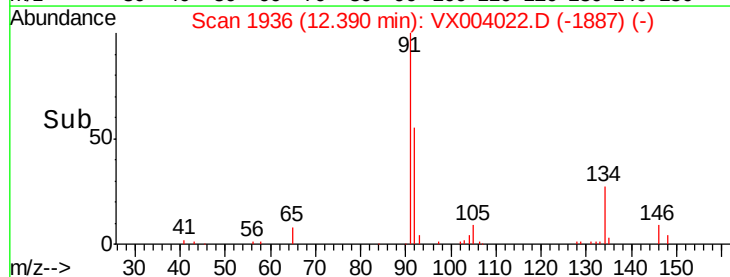
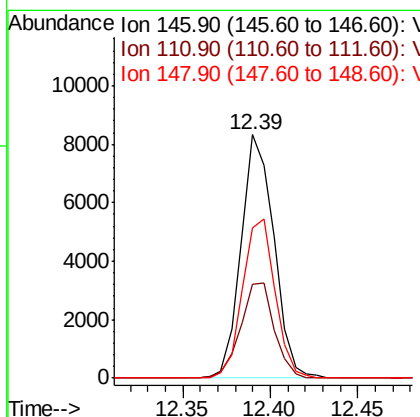
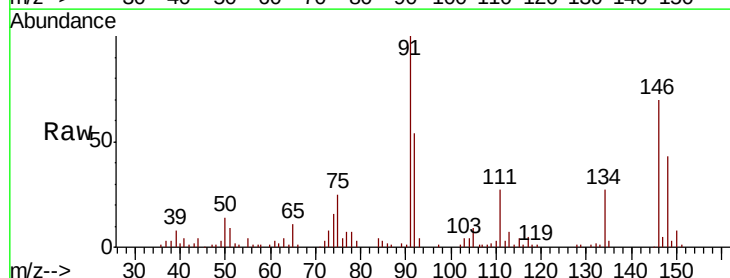
Manual Integrations
APPROVED

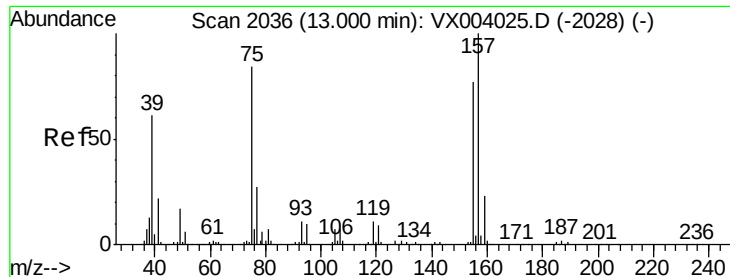
MMDadoda
8/15/2018 4:14:21 PM



#91
1,2-Dichlorobenzene
Concen: 1.08 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004022.D
Acq: 14 Aug 2018 10:41

Tgt Ion:146 Resp: 10847
Ion Ratio Lower Upper
146 100
111 40.2 19.7 59.0
148 64.9 31.9 95.5





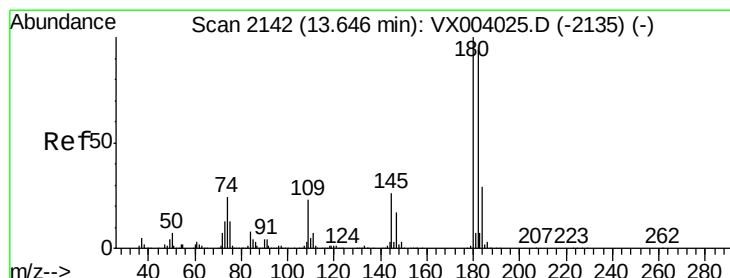
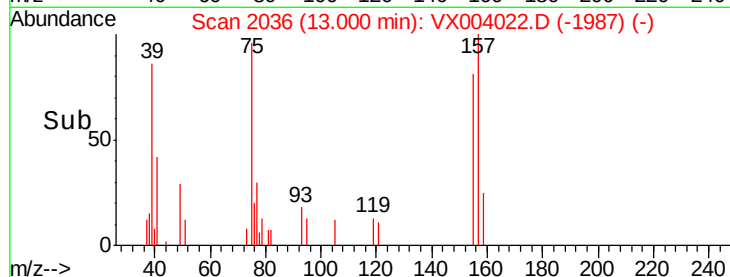
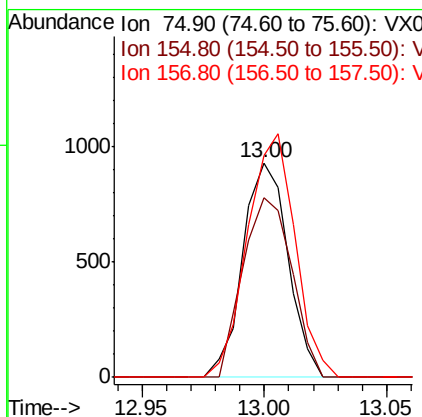
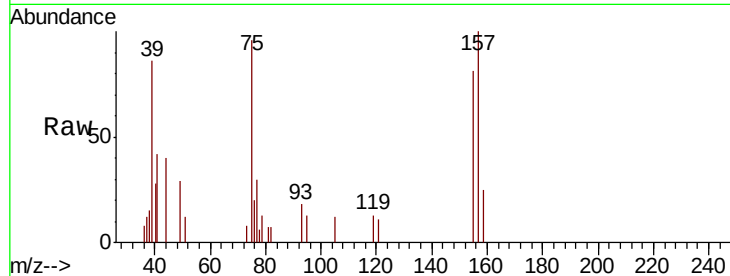
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.83 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.7	146.1
157	119.9	62.6	187.8

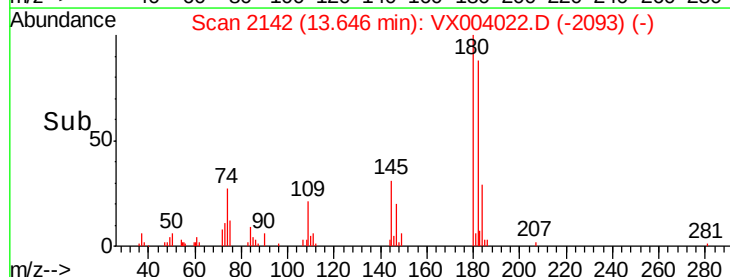
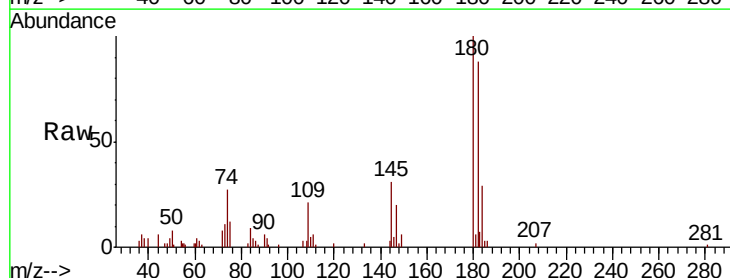
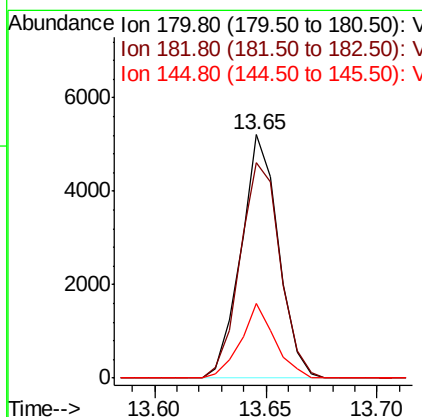
Manual Integrations
 APPROVED

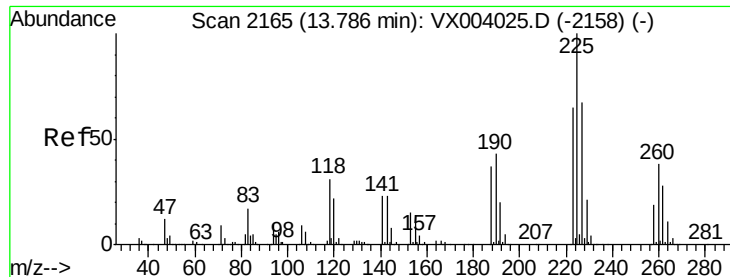
MMDadoda
 8/15/2018 4:14:21 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.85 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	28.0	13.9	41.6





#94

Hexachlorobutadiene

Concen: 1.15 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004022.D

Acq: 14 Aug 2018 10:41

Instrument :

MSVOA_X

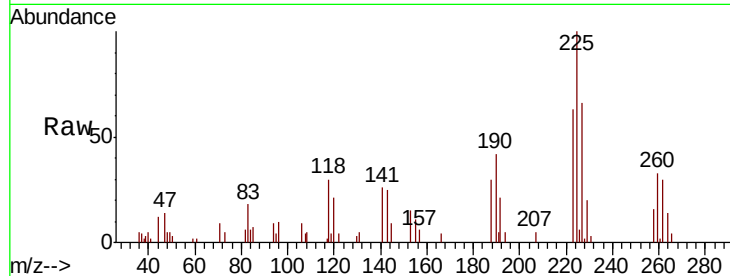
ClientSampleId :

VSTDIC001

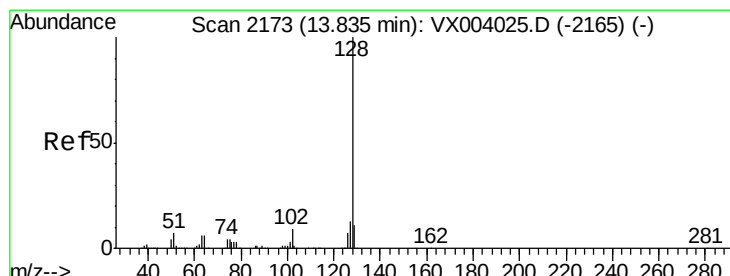
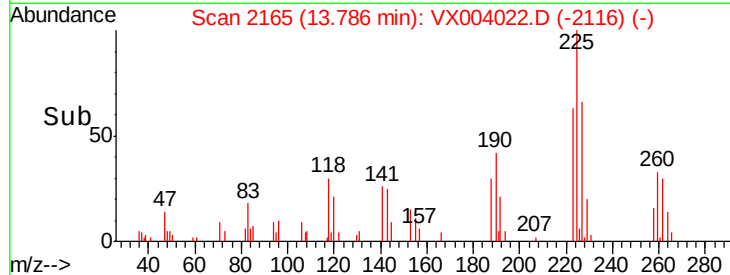
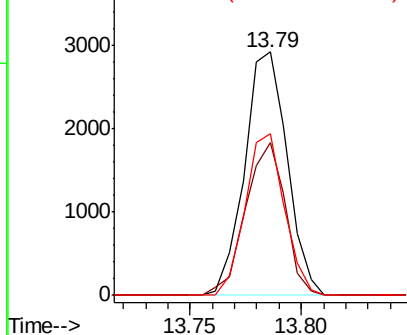
Tot Ion:	225	Resp:	3878
Ion Ratio	Lower	Upper	
225	100		
223	58.4	31.4	94.0
227	61.4	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:14:21 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.72 ug/l

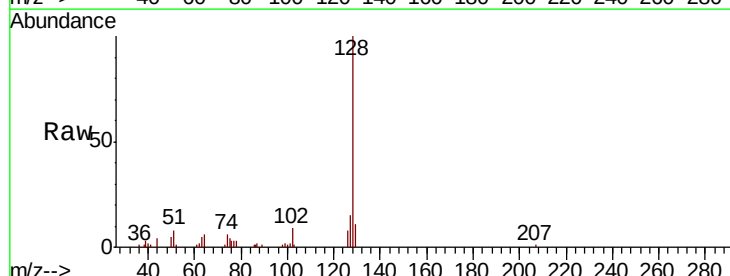
RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

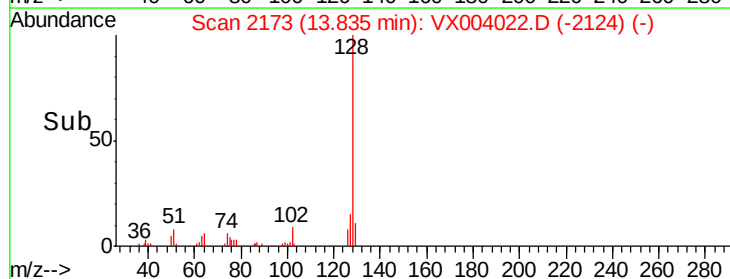
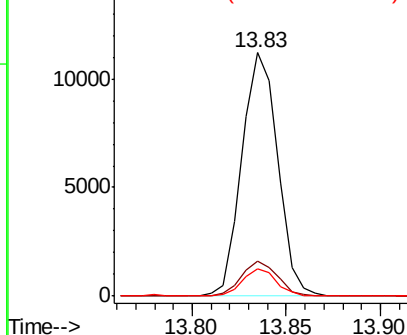
Lab File: VX004022.D

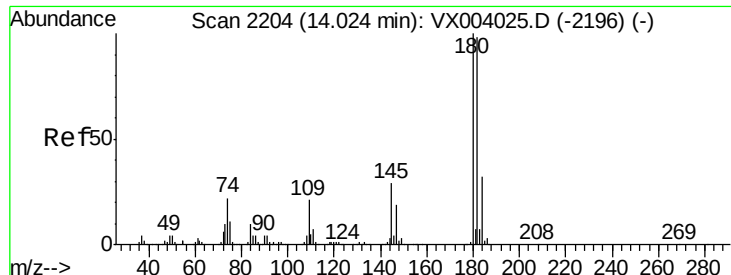
Acq: 14 Aug 2018 10:41

Tgt Ion:	128	Resp:	14798
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.2	15.2
129	10.6	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.93 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004022.D
 Acq: 14 Aug 2018 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6682		
182	98.9		48.1	144.4
145	32.1		14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:14:21 PM

