

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005997.D
 Acq On : 15 Nov 2018 02:20
 Operator : JC/MD
 Sample : VX1114MBSD02
 Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:04:20 PM

Quant Time: Nov 15 06:39:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	122183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	191866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	151911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82765	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	66100	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	57510	44.07	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.14%	
50) Toluene-d8	8.71	98	189399	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
62) 4-Bromofluorobenzene	11.14	95	70396	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	20764	18.85	ug/l	97
3) Chloromethane	1.32	50	26844	18.57	ug/l	98
4) Vinyl Chloride	1.40	62	26798	18.46	ug/l	94
5) Bromomethane	1.64	94	15662	17.63	ug/l	99
6) Chloroethane	1.72	64	17261	19.93	ug/l	98
7) Trichlorofluoromethane	1.93	101	35101	18.22	ug/l	98
8) Diethyl Ether	2.19	74	15320	20.29	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	20499	18.50	ug/l	94
10) Methyl Iodide	2.51	142	23398	17.42	ug/l	98
11) Tert butyl alcohol	3.07	59	39120	97.22	ug/l	99
12) 1,1-Dichloroethene	2.37	96	21968	20.34	ug/l	94
13) Acrolein	2.29	56	25116	140.04	ug/l	89
14) Allyl chloride	2.73	41	46398	19.24	ug/l	99
15) Acrylonitrile	3.15	53	85594	102.64	ug/l	99
16) Acetone	2.45	43	75059	99.25	ug/l	96
17) Carbon Disulfide	2.57	76	56317	17.48	ug/l	100
18) Methyl Acetate	2.78	43	44551	21.12	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	76811	20.84	ug/l	98
20) Methylene Chloride	2.85	84	24982	20.11	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	23011	20.20	ug/l	98
22) Diisopropyl ether	3.87	45	87310	20.66	ug/l	# 96
23) Vinyl Acetate	3.82	43	381569	105.32	ug/l	99
24) 1,1-Dichloroethane	3.70	63	45683	20.27	ug/l	99
25) 2-Butanone	4.70	43	121762	102.40	ug/l	93
26) 2,2-Dichloropropane	4.59	77	29405	17.78	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	25260	20.08	ug/l	96
28) Bromochloromethane	5.01	49	23257	23.08	ug/l	96
29) Tetrahydrofuran	5.15	42	79932	104.70	ug/l	96
30) Chloroform	5.22	83	45578	20.96	ug/l	91
31) Cyclohexane	5.57	56	36394	18.60	ug/l	# 91
32) 1,1,1-Trichloroethane	5.50	97	36499	20.12	ug/l	100
36) 1,1-Dichloropropene	5.79	75	29923	16.18	ug/l	97
37) Ethyl Acetate	4.85	43	44010	18.09	ug/l	99
38) Carbon Tetrachloride	5.78	117	31656	17.10	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005997.D
 Acq On : 15 Nov 2018 02:20
 Operator : JC/MD
 Sample : VX1114MBSD02
 Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1114MBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:04:20 PM

Quant Time: Nov 15 06:39:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29038	15.49	ug/l	97
40) Benzene	6.15	78	92194	17.10	ug/l	98
41) Methacrylonitrile	5.06	41	24116	18.35	ug/l	98
42) 1,2-Dichloroethane	6.20	62	33121	17.15	ug/l	99
43) Isopropyl Acetate	6.46	43	63707	18.08	ug/l	99
44) Trichloroethene	7.21	130	22362	16.33	ug/l	96
45) 1,2-Dichloropropane	7.51	63	23528	17.98	ug/l	95
46) Dibromomethane	7.66	93	14668	17.86	ug/l	99
47) Bromodichloromethane	7.90	83	28355	18.27	ug/l	98
48) Methyl methacrylate	7.77	41	28815	18.21	ug/l	100
49) 1,4-Dioxane	7.75	88	12511	366.88	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	197692	89.00	ug/l	99
52) Toluene	8.79	92	52410	17.39	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	29384	16.04	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	32911	17.63	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	21909	16.31	ug/l	98
56) Ethyl methacrylate	9.18	69	33337	16.59	ug/l	100
57) 1,3-Dichloropropane	9.37	76	37176	16.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	94415	91.64	ug/l	99
59) 2-Hexanone	9.49	43	156038	79.70	ug/l	100
60) Dibromochloromethane	9.58	129	21962	15.13	ug/l	100
61) 1,2-Dibromoethane	9.67	107	22914	15.43	ug/l	100
64) Tetrachloroethene	9.33	164	23624	18.27	ug/l	97
65) Chlorobenzene	10.14	112	58688	19.28	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	21535	20.35	ug/l	100
67) Ethyl Benzene	10.25	91	98308	20.15	ug/l	99
68) m/p-Xylenes	10.36	106	75737	40.69	ug/l	99
69) o-Xylene	10.70	106	35922	21.52	ug/l	99
70) Styrene	10.71	104	59936	21.77	ug/l	99
71) Bromoform	10.86	173	17807	20.08	ug/l #	100
73) Isopropylbenzene	11.02	105	99389	20.77	ug/l	100
74) N-amyl acetate	10.90	43	49246	19.13	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	35435	20.17	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	34402m	20.41	ug/l	
77) Bromobenzene	11.26	156	26755	19.83	ug/l	98
78) n-propylbenzene	11.36	91	113372	20.10	ug/l	99
79) 2-Chlorotoluene	11.42	91	69348	20.34	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	84291	20.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9797	18.53	ug/l	96
82) 4-Chlorotoluene	11.51	91	81907	20.38	ug/l	98
83) tert-Butylbenzene	11.77	119	81384	19.78	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	87417	19.40	ug/l	99
85) sec-Butylbenzene	11.94	105	99533	19.78	ug/l	100
86) p-Isopropyltoluene	12.07	119	87851	19.71	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	48696	18.81	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	49756	18.77	ug/l	99
89) n-Butylbenzene	12.39	91	74724	18.09	ug/l	99
90) Hexachloroethane	12.60	117	14050	18.88	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	49630	19.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8846	20.63	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
Data File : VX005997.D
Acq On : 15 Nov 2018 02:20
Operator : JC/MD
Sample : VX1114MBSD02
Misc : 5.0g/10ml/100ul/5.00mL/MSVOA_X/MEOH
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

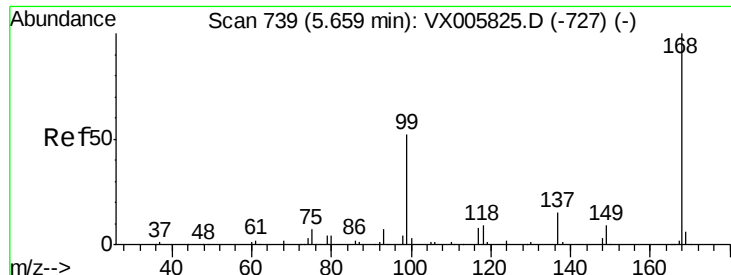
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM

Quant Time: Nov 15 06:39:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35202	19.28	ug/l	99
94) Hexachlorobutadiene	13.79	225	16246	16.94	ug/l	100
95) Naphthalene	13.83	128	109584	19.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	36146	19.43	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion:168 Resp: 122183

Ion Ratio Lower Upper

168 100

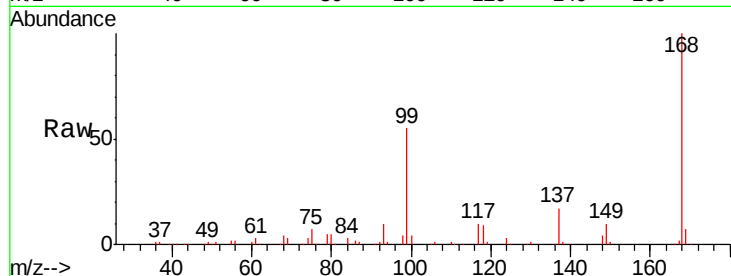
99 54.8 40.7 61.1

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

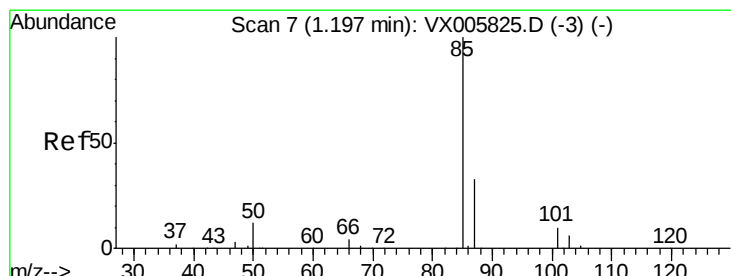
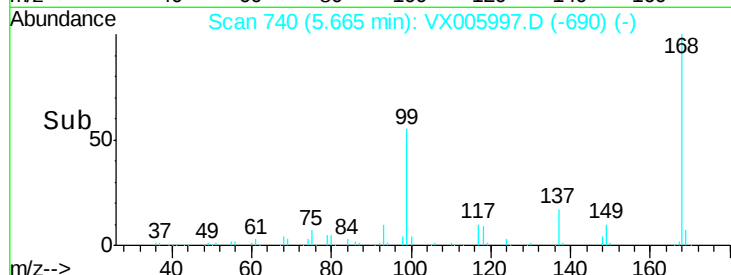
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.85 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005997.D

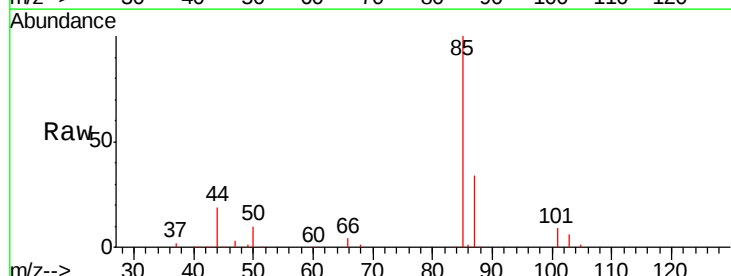
Acq: 15 Nov 2018 02:20

Tgt Ion: 85 Resp: 20764

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

15000

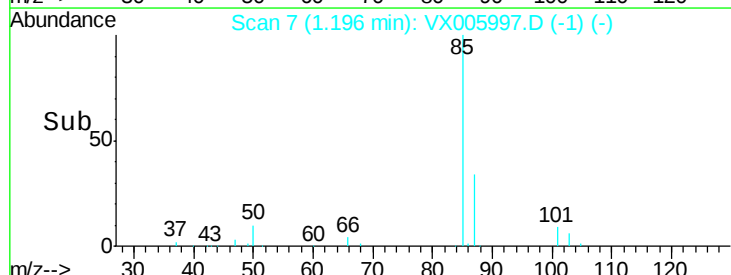
10000

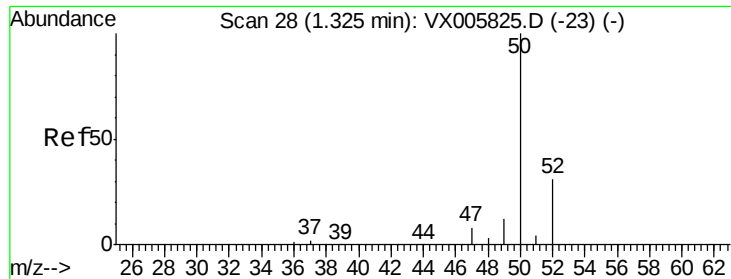
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.57 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 50 Resp: 26844

Ion Ratio Lower Upper

50 100

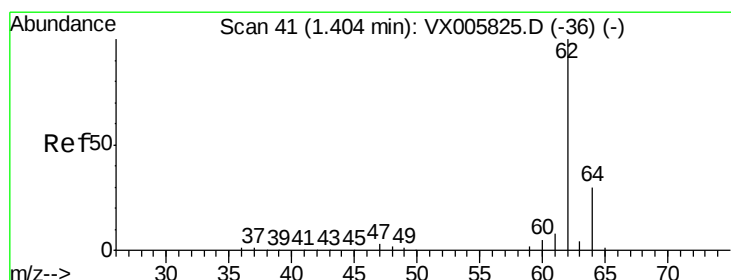
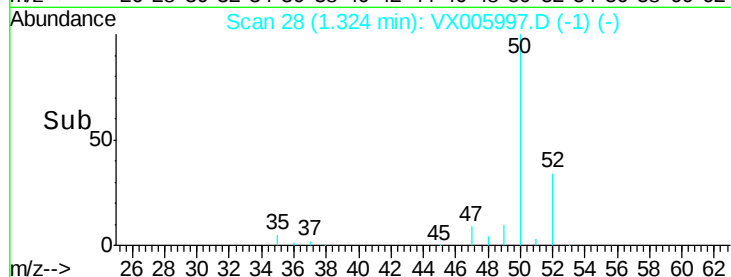
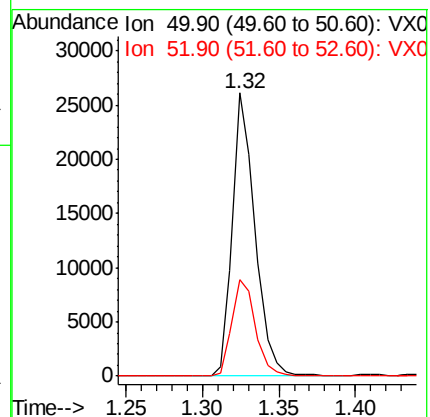
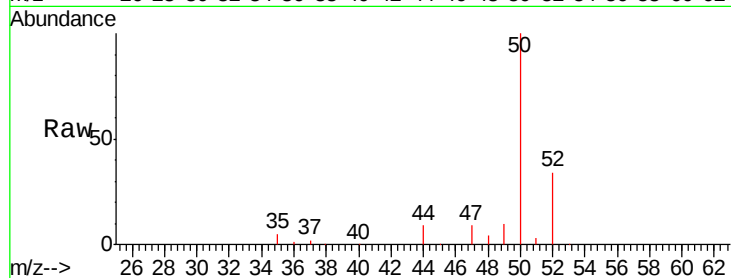
52 34.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



#4

Vinyl Chloride

Concen: 18.46 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005997.D

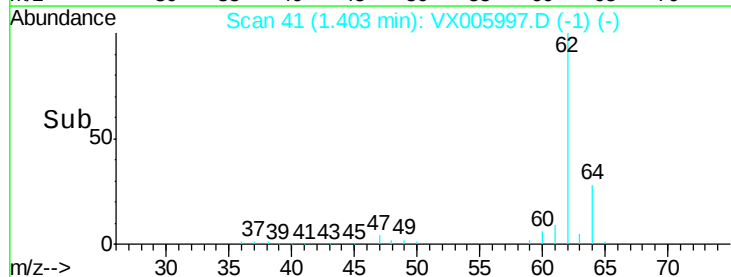
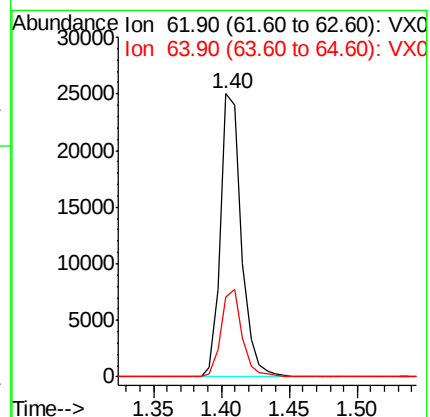
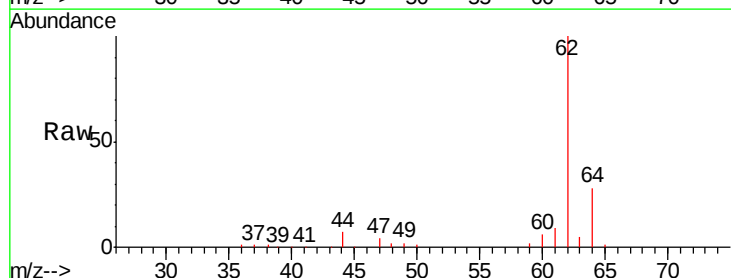
Acq: 15 Nov 2018 02:20

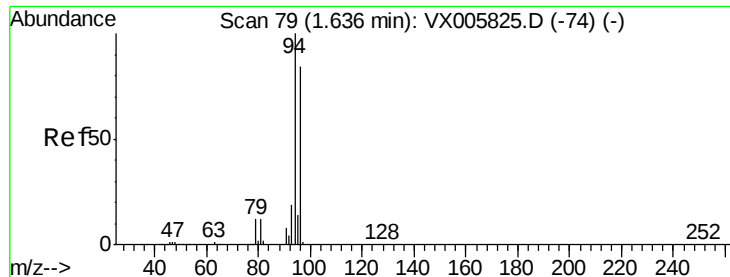
Tgt Ion: 62 Resp: 26798

Ion Ratio Lower Upper

62 100

64 28.1 25.3 37.9





#5

Bromomethane

Concen: 17.63 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 94 Resp: 15662

Ion Ratio Lower Upper

94 100

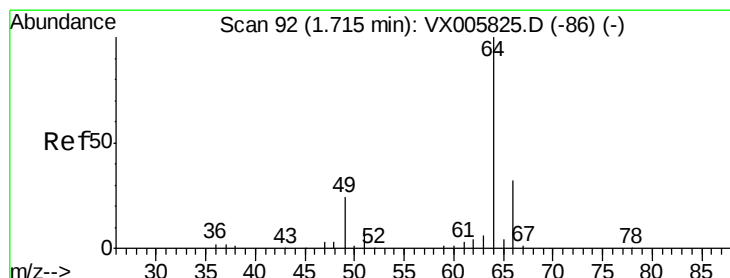
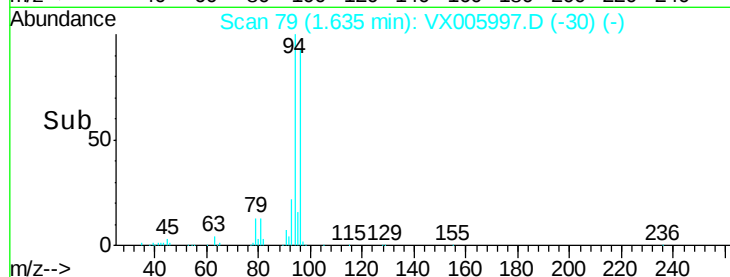
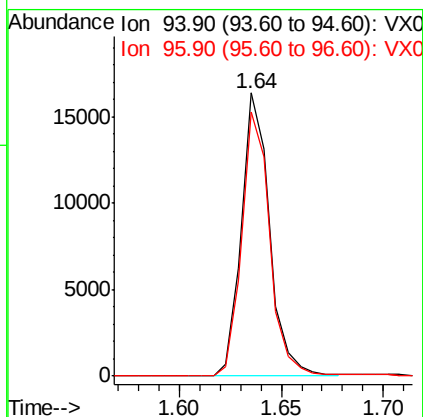
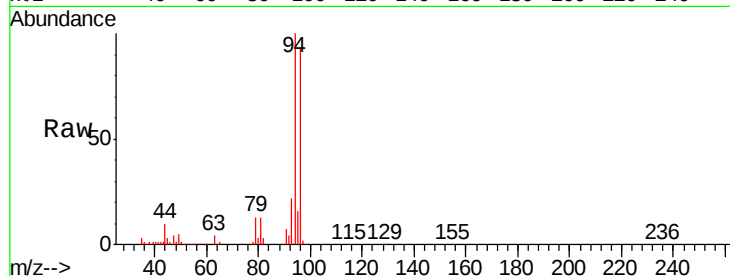
96 93.2 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



#6

Chloroethane

Concen: 19.93 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005997.D

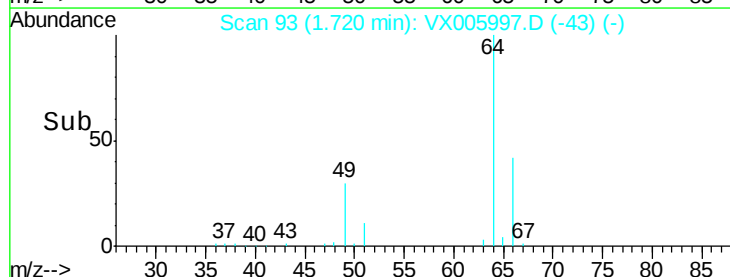
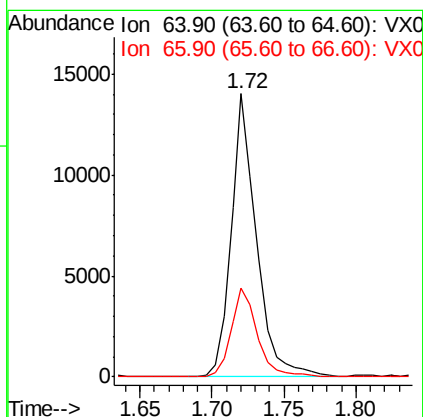
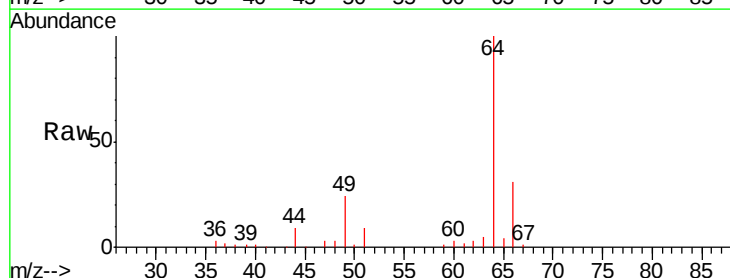
Acq: 15 Nov 2018 02:20

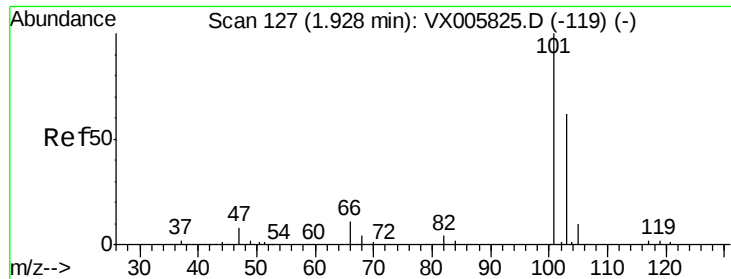
Tgt Ion: 64 Resp: 17261

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.6





#7

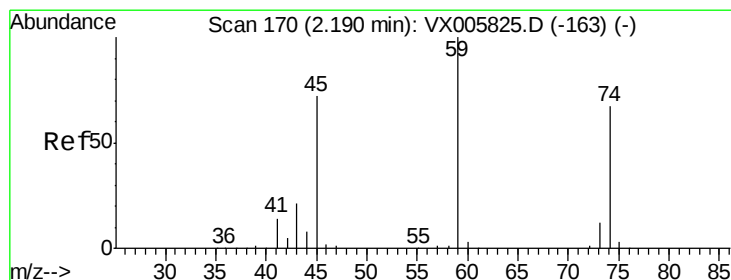
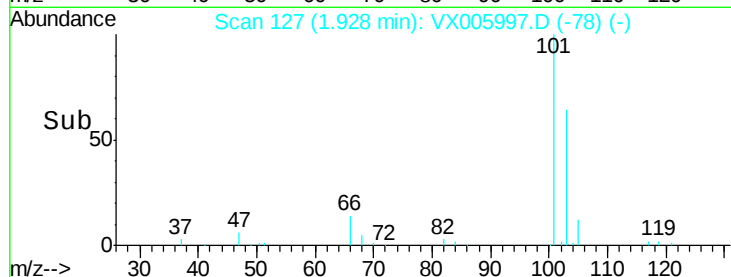
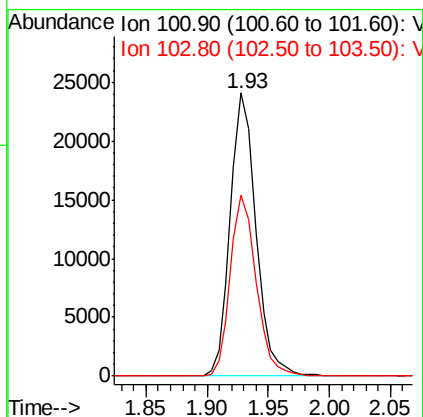
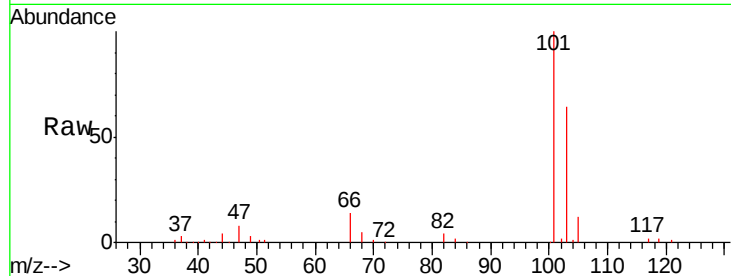
Trichlorofluoromethane
 Concen: 18.22 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion: 101 Resp: 35101
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.0 75.0

Manual Integrations
 APPROVED

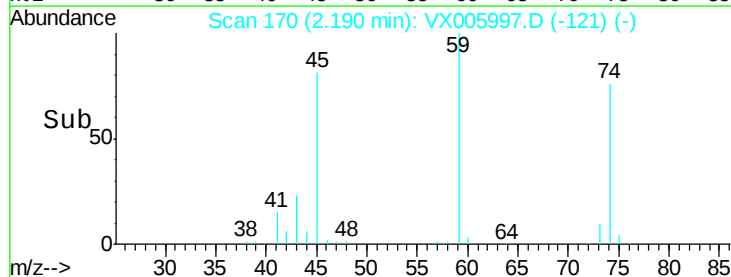
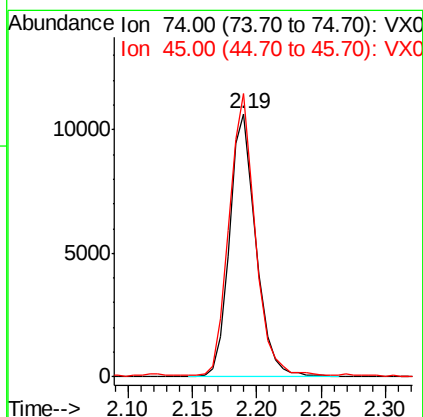
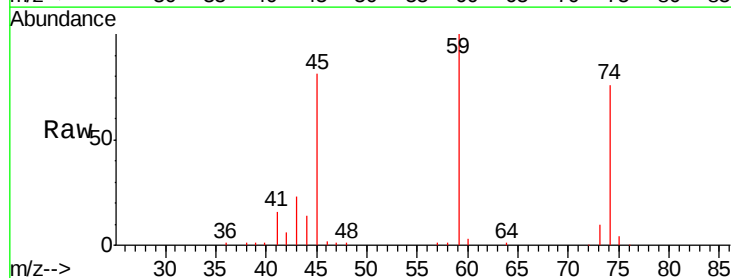
MMDadoda
 11/15/2018 1:04:20 PM

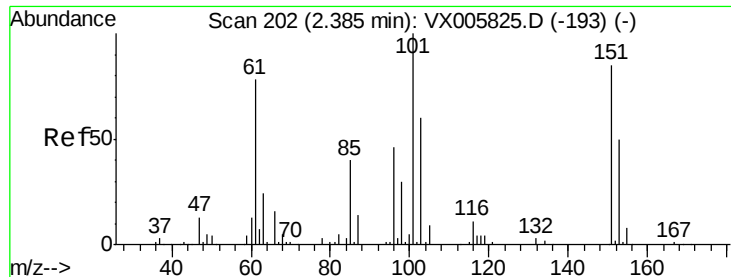


#8

Diethyl Ether
 Concen: 20.29 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 74 Resp: 15320
 Ion Ratio Lower Upper
 74 100
 45 105.9 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.50 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

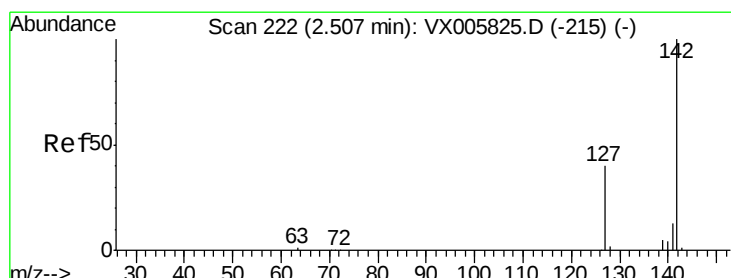
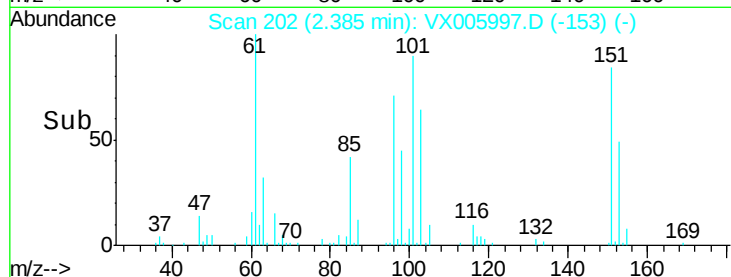
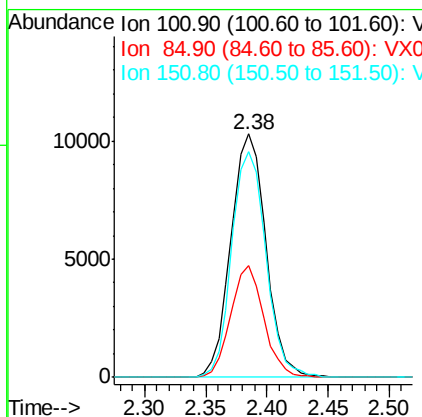
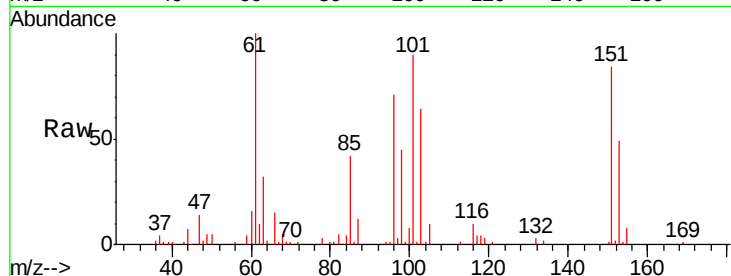
ClientSampleId :

VX1114MBSD02

Tgt Ion:	101	Resp:	20499
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.0	52.4
151	90.1	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#10

Methyl Iodide

Concen: 17.42 ug/l

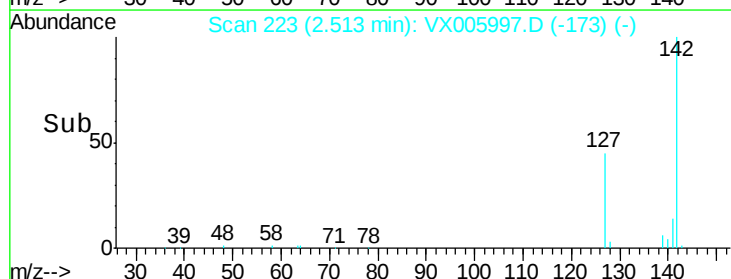
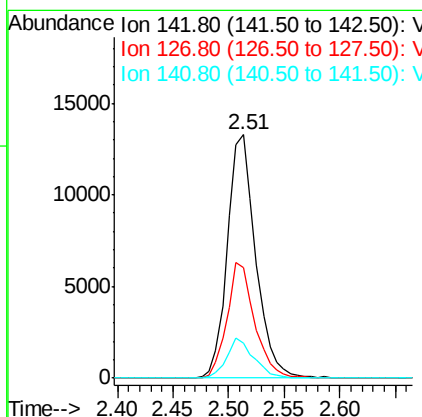
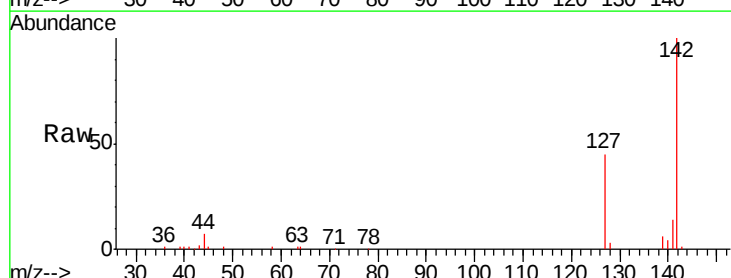
RT: 2.51 min Scan# 223

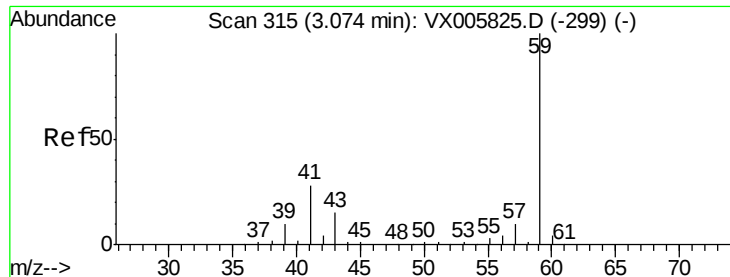
Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	142	Resp:	23398
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.0	54.0
141	15.5	11.7	17.5





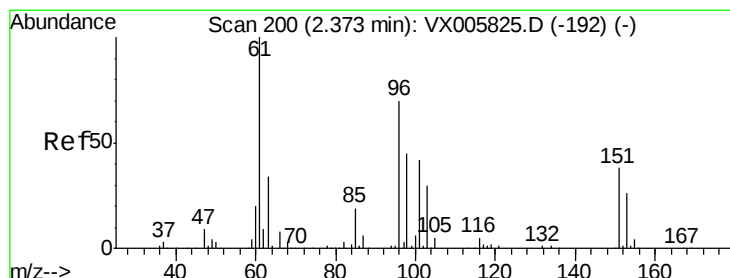
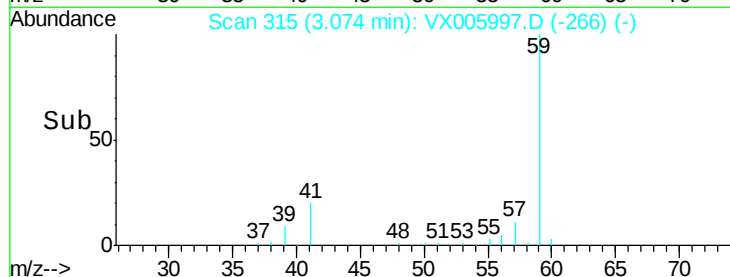
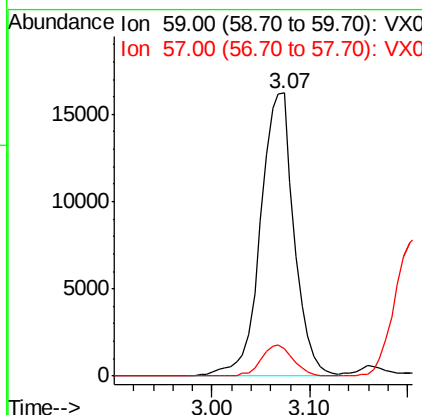
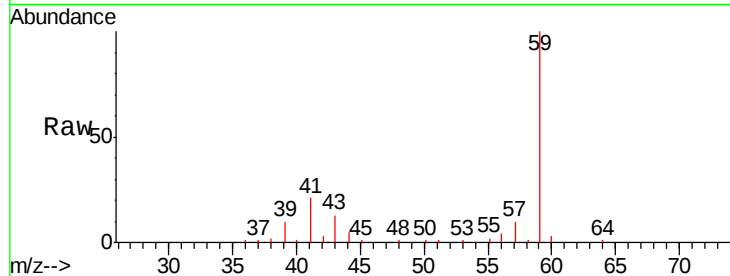
#11
Tert butyl alcohol
Concen: 97.22 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion: 59 Resp: 39120
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

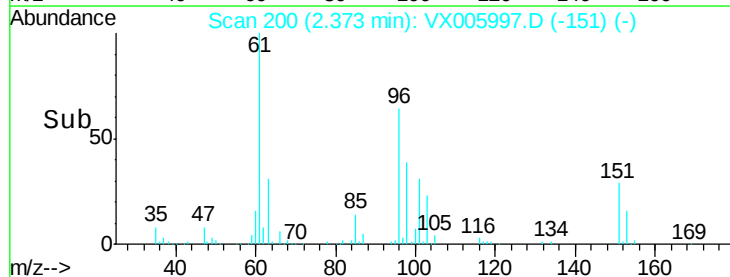
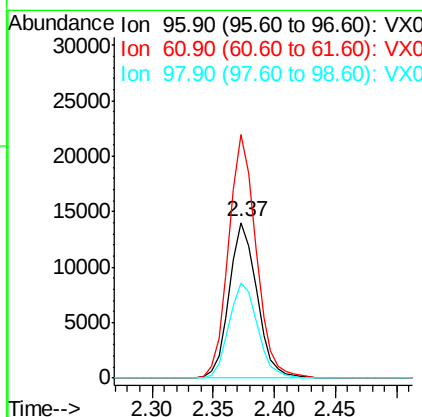
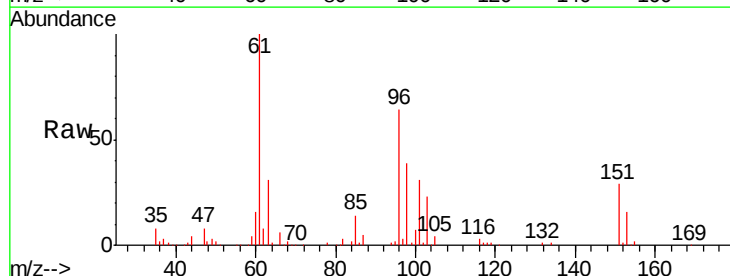
Manual Integrations
APPROVED

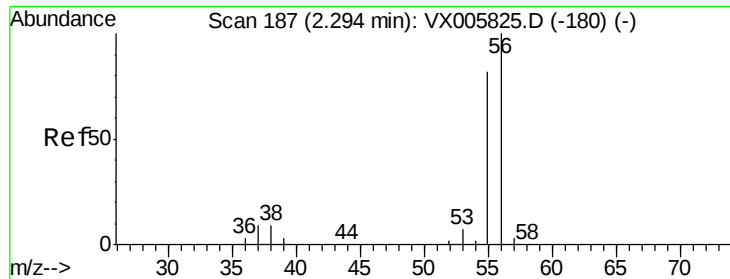
MMDadoda
11/15/2018 1:04:20 PM



#12
1,1-Dichloroethene
Concen: 20.34 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 96 Resp: 21968
Ion Ratio Lower Upper
96 100
61 156.8 131.8 197.8
98 61.6 53.4 80.2





#13

Acrolein

Concen: 140.04 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 56 Resp: 25116

Ion Ratio Lower Upper

56 100

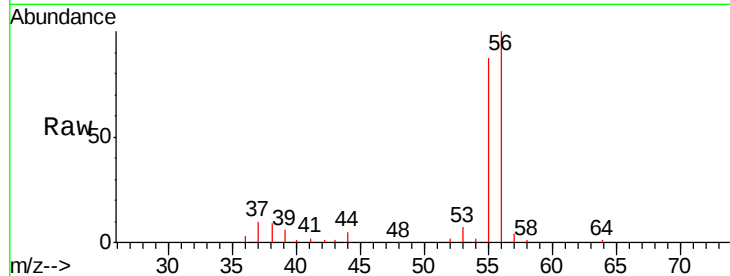
55 81.0 57.3 85.9

Manual Integrations

APPROVED

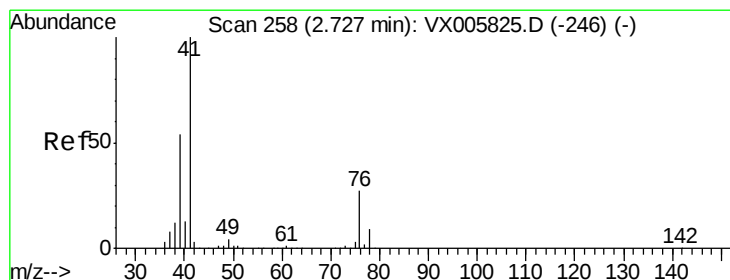
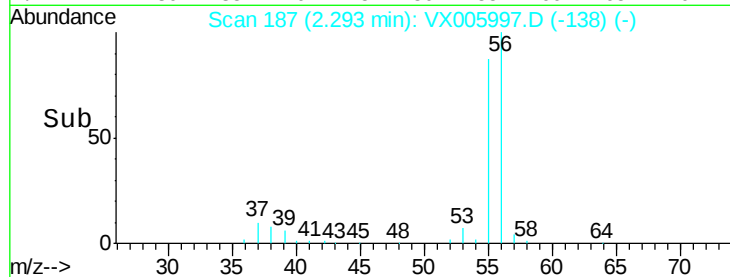
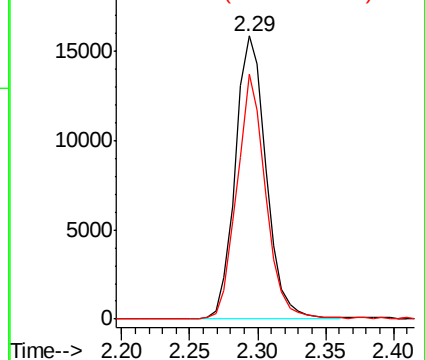
MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.24 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

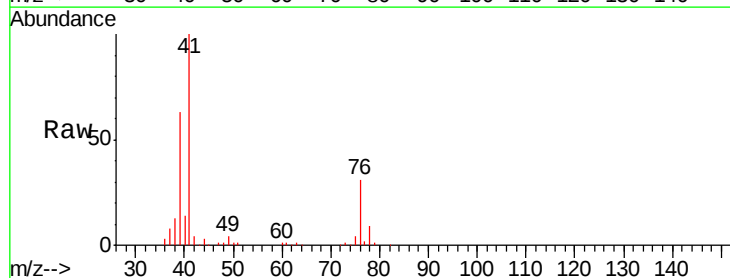
Tgt Ion: 41 Resp: 46398

Ion Ratio Lower Upper

41 100

39 60.0 48.2 72.4

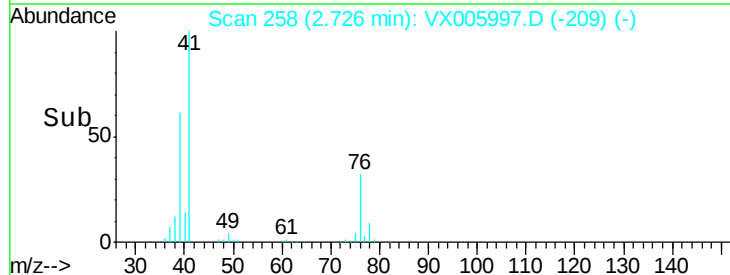
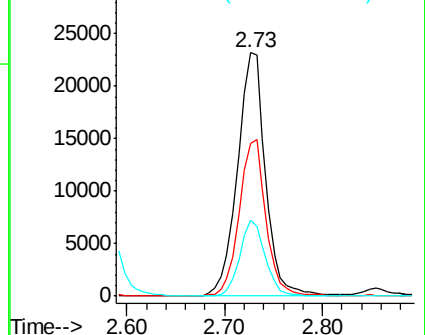
76 27.9 21.9 32.9

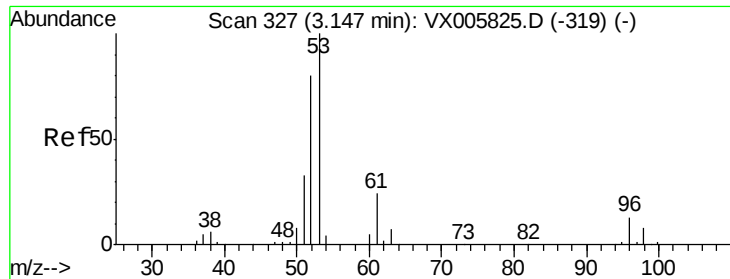


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 102.64 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

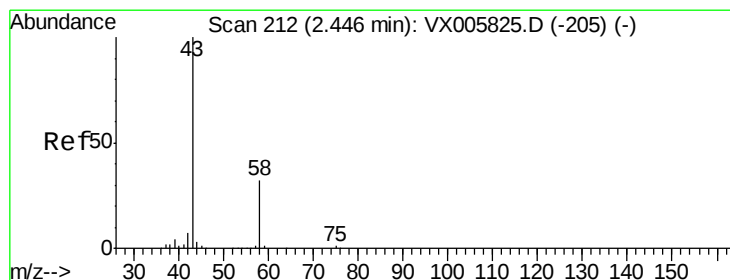
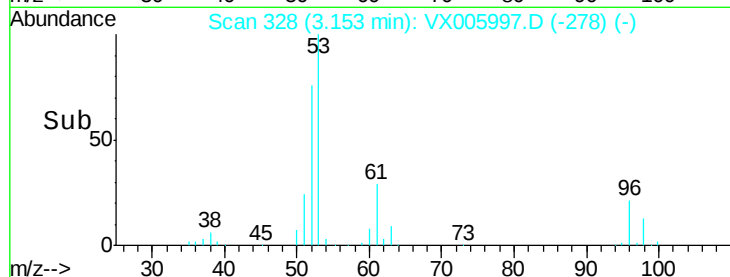
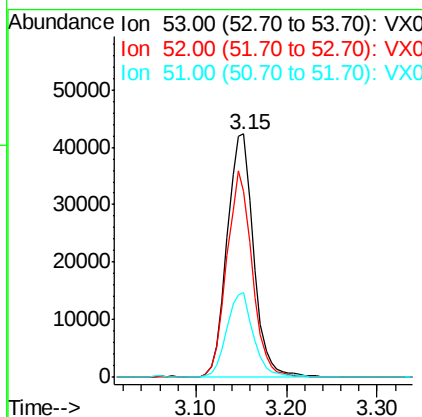
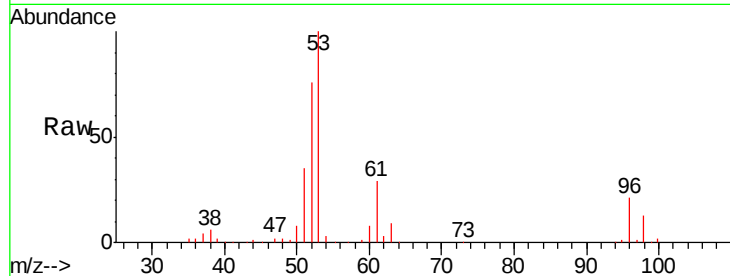
ClientSampleId :

VX1114MBSD02

Tgt Ion:	53	Resp:	85594
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#16

Acetone

Concen: 99.25 ug/l

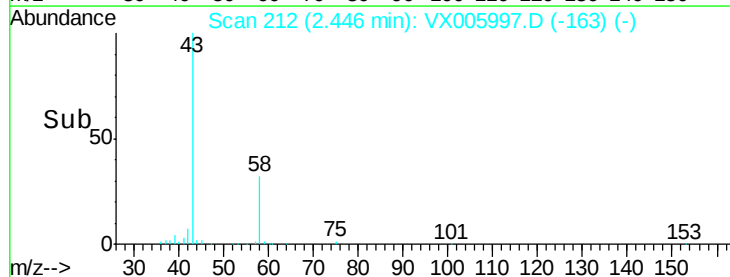
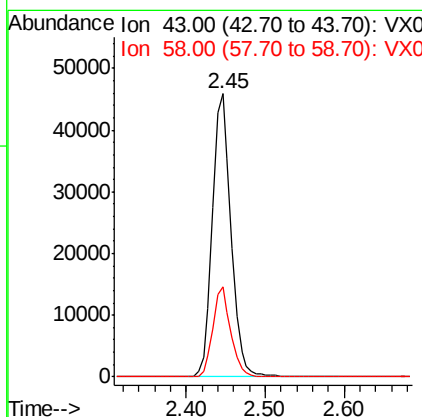
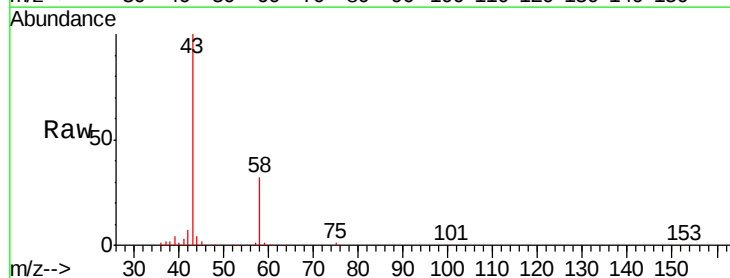
RT: 2.45 min Scan# 212

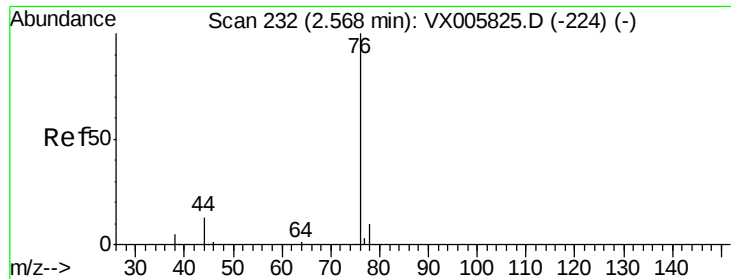
Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	43	Resp:	75059
Ion	Ratio	Lower	Upper
43	100		
58	31.7	23.8	35.6





#17

Carbon Disulfide

Concen: 17.48 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 76 Resp: 56317

Ion Ratio Lower Upper

76 100

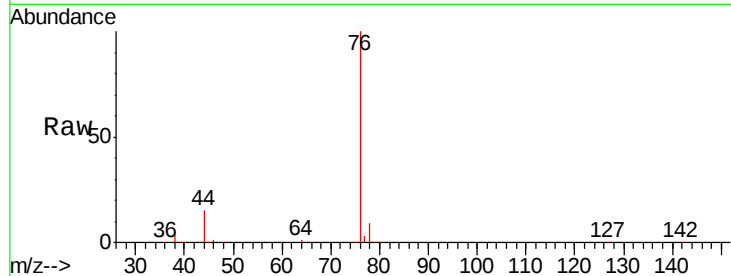
78 9.2 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

40000

30000

20000

10000

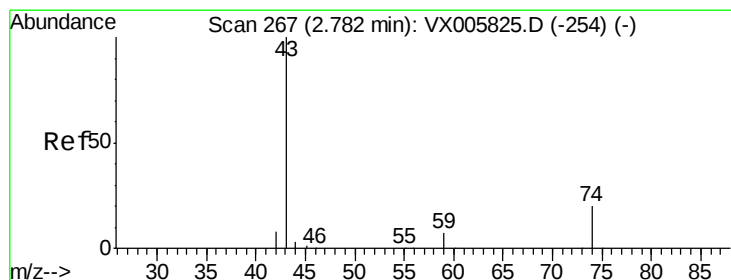
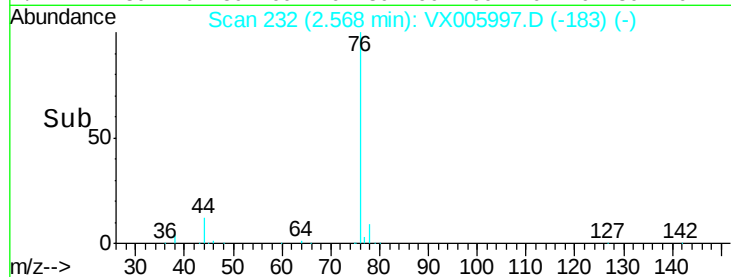
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 21.12 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005997.D

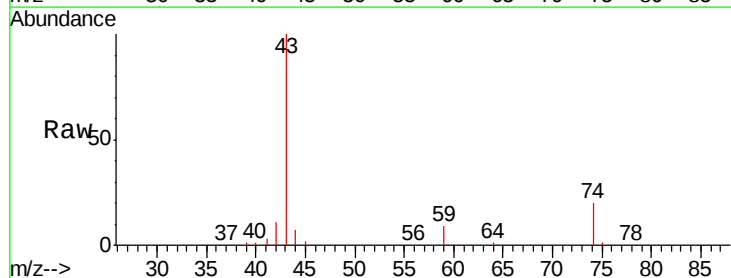
Acq: 15 Nov 2018 02:20

Tgt Ion: 43 Resp: 44551

Ion Ratio Lower Upper

43 100

74 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

25000

20000

15000

10000

5000

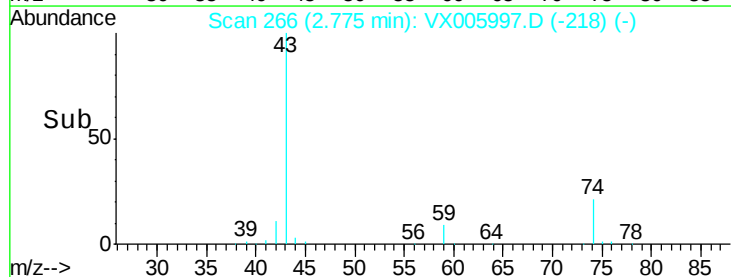
0

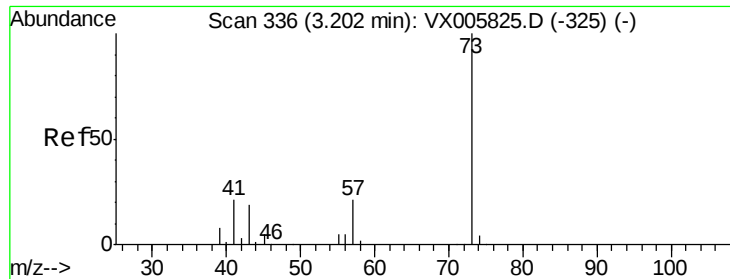
Time-->

2.70

2.80

2.90





#19

Methyl tert-butyl Ether

Concen: 20.84 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion: 73 Resp: 76811

Ion Ratio Lower Upper

73 100

57 22.5 18.8 28.2

Instrument :

MSVOA_X

ClientSampleId :

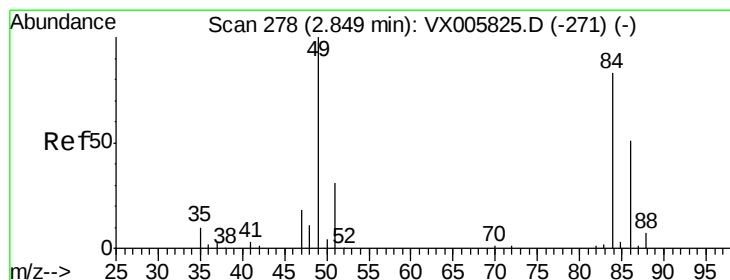
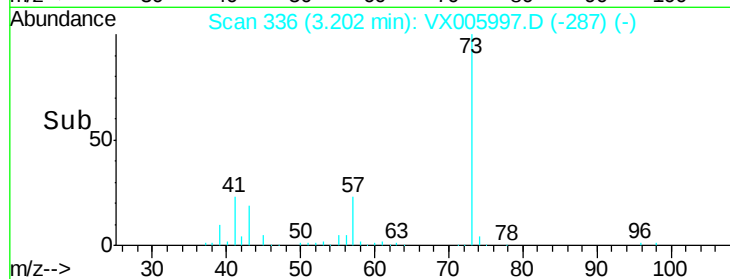
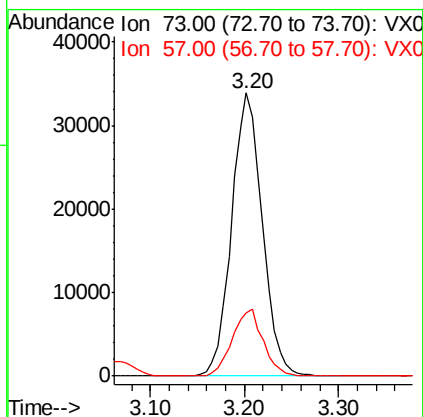
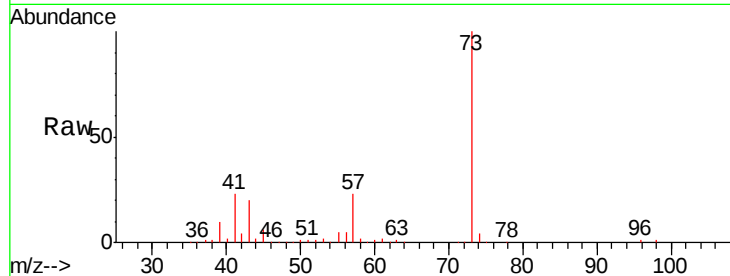
VX1114MBS02

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



#20

Methylene Chloride

Concen: 20.11 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion: 84 Resp: 24982

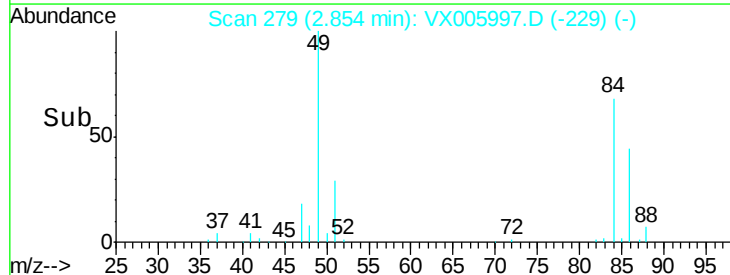
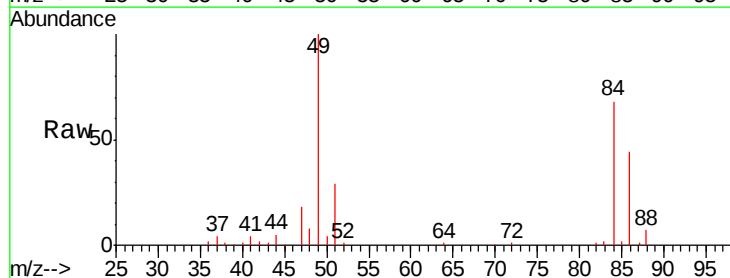
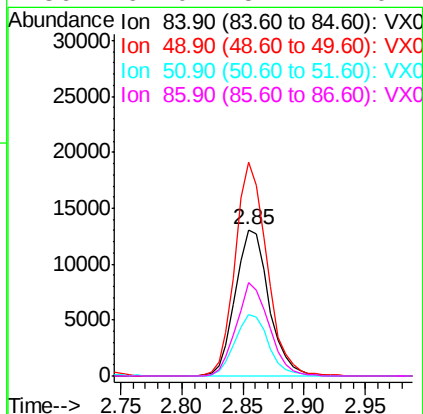
Ion Ratio Lower Upper

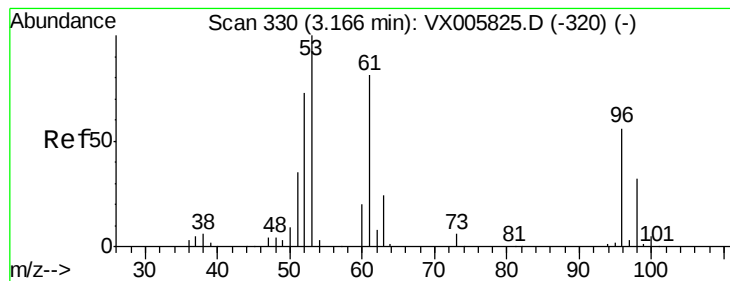
84 100

49 146.2 109.5 164.3

51 42.4 33.3 49.9

86 64.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.20 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 96 Resp: 23011

Ion Ratio Lower Upper

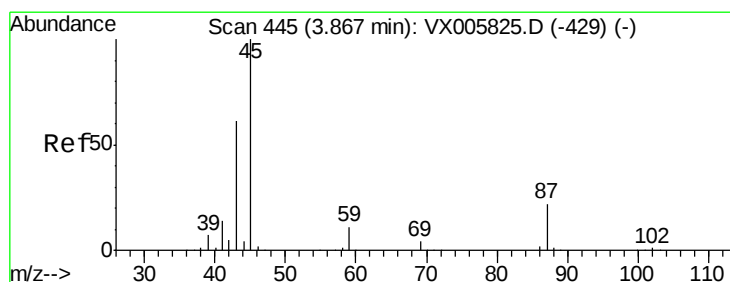
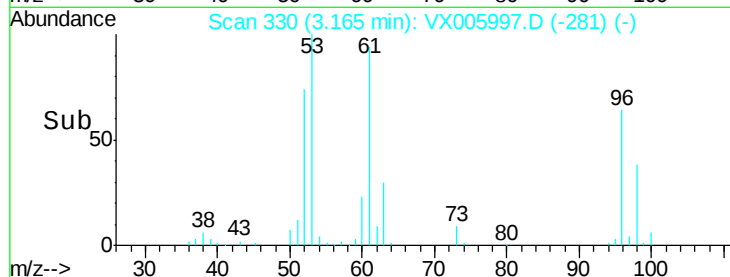
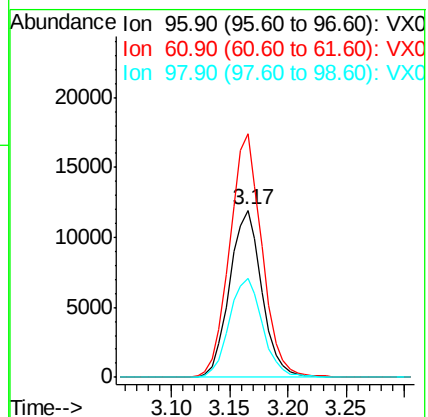
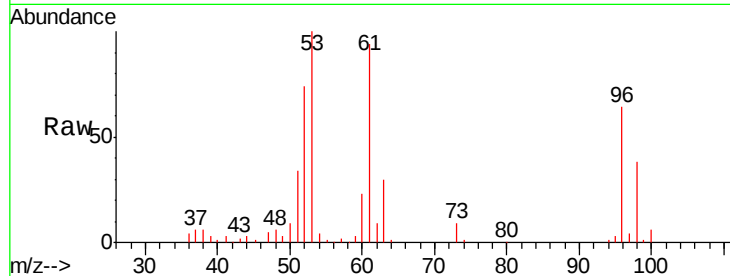
96 100

61 145.7 115.6 173.4

98 59.3 50.2 75.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#22

Diisopropyl ether

Concen: 20.66 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion: 45 Resp: 87310

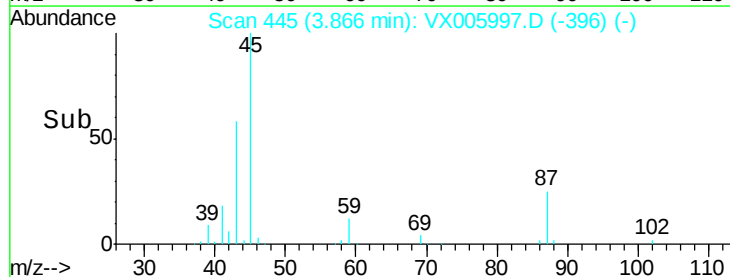
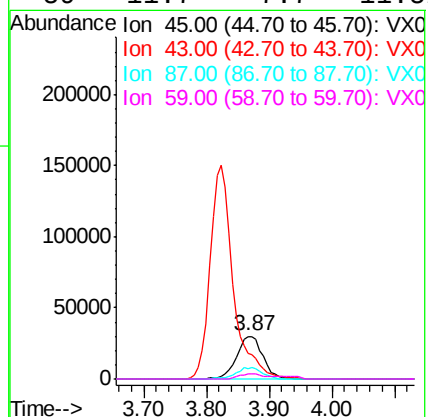
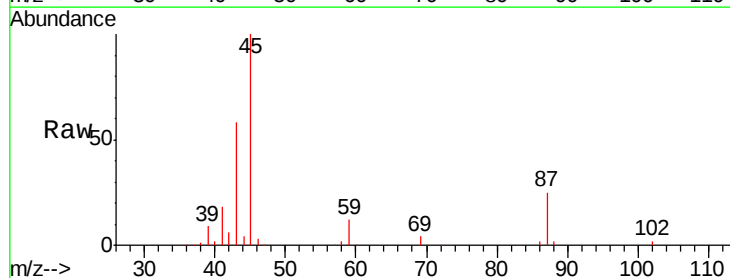
Ion Ratio Lower Upper

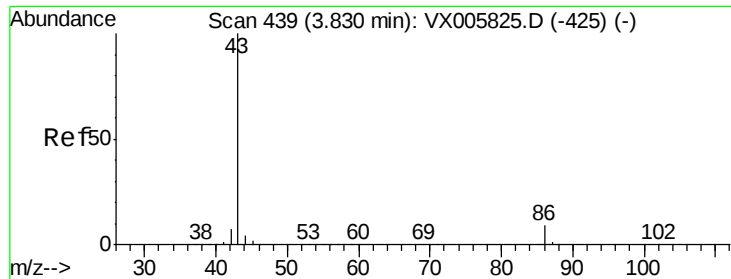
45 100

43 58.1 47.4 71.2

87 24.8 15.9 23.9#

59 11.7 7.7 11.5#





#23

Vinyl Acetate

Concen: 105.32 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 43 Resp: 381569

Ion Ratio Lower Upper

43 100

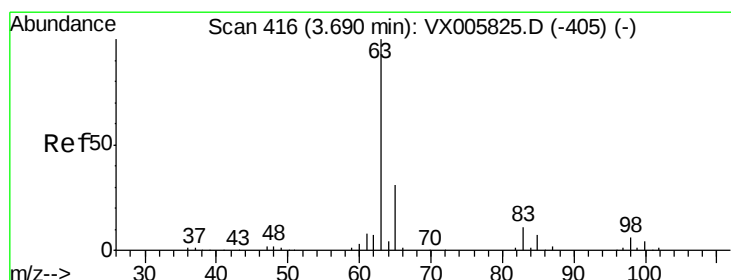
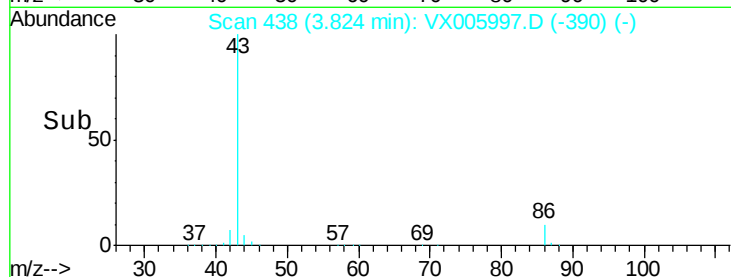
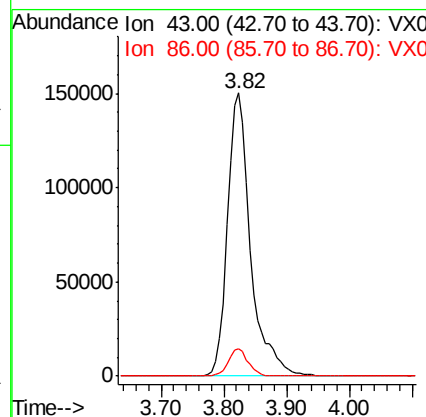
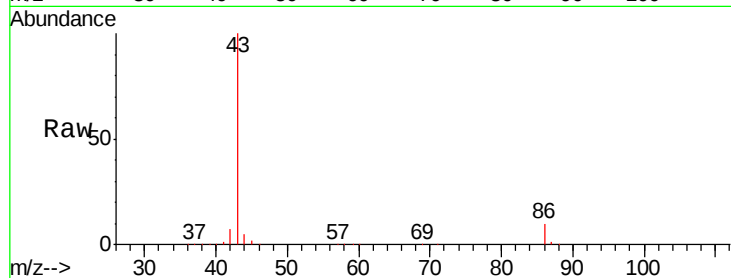
86 9.8 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



#24

1,1-Dichloroethane

Concen: 20.27 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

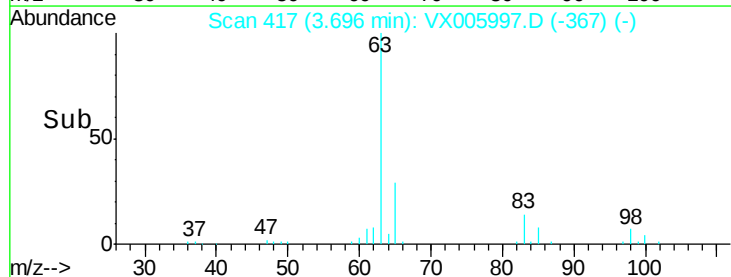
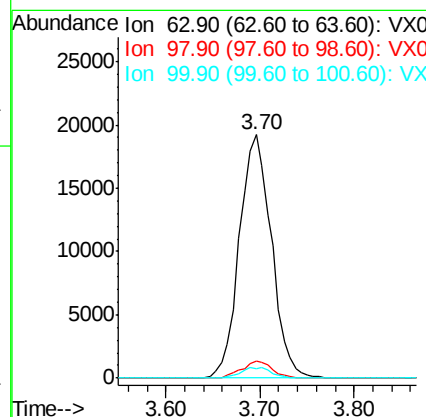
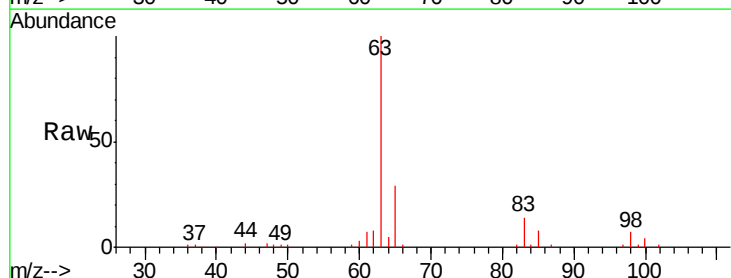
Tgt Ion: 63 Resp: 45683

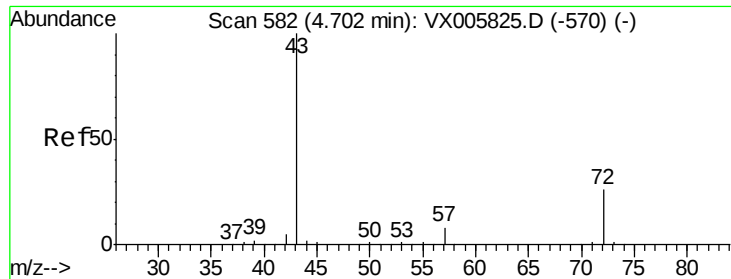
Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 102.40 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 43 Resp: 121762

Ion Ratio Lower Upper

43 100

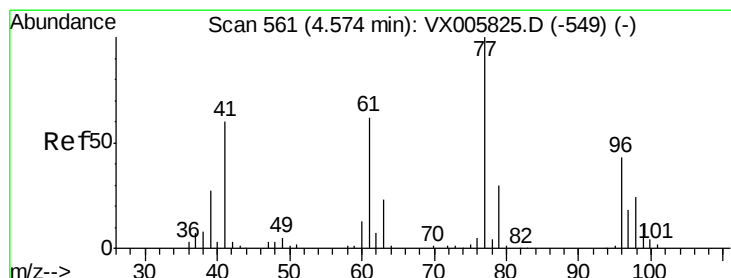
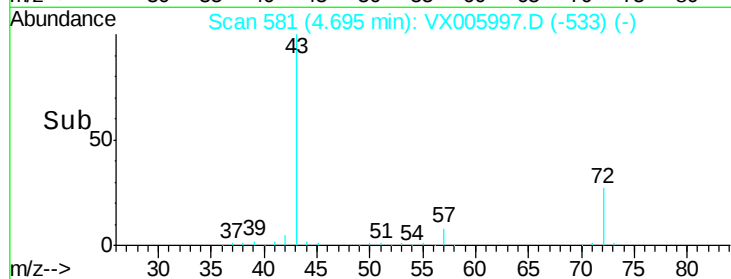
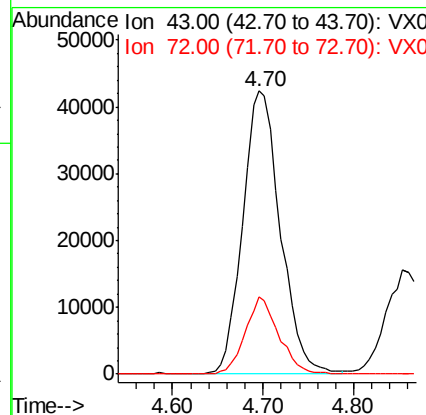
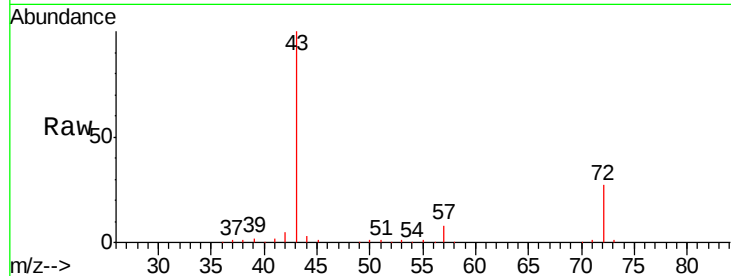
72 27.4 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

11/15/2018 1:04:20 PM



#26

2,2-Dichloropropane

Concen: 17.78 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005997.D

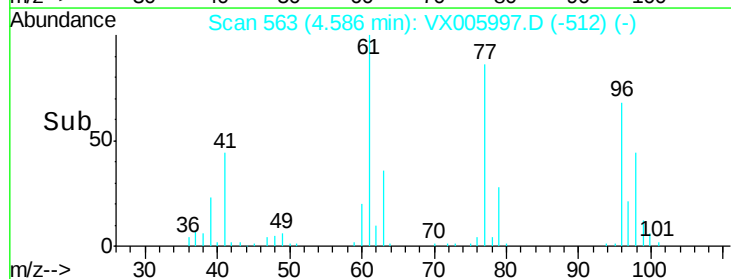
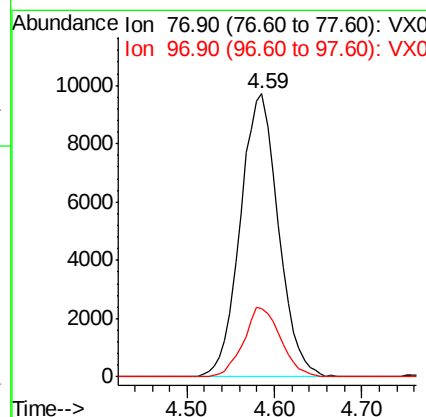
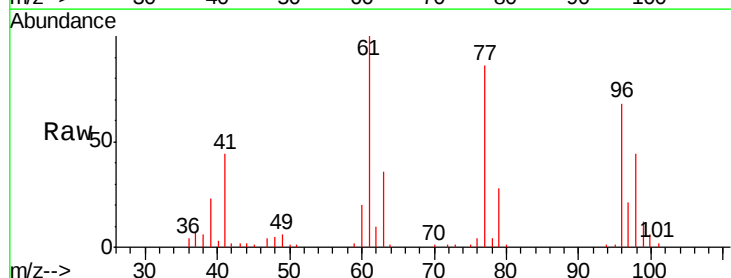
Acq: 15 Nov 2018 02:20

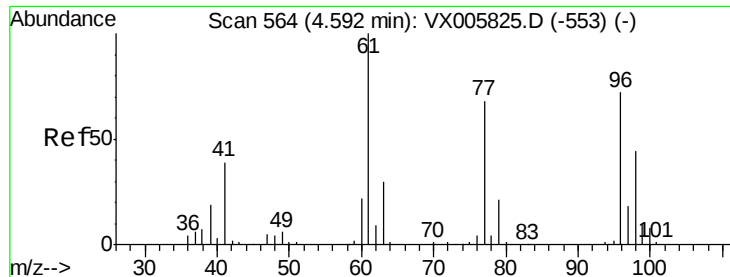
Tgt Ion: 77 Resp: 29405

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.5





#27

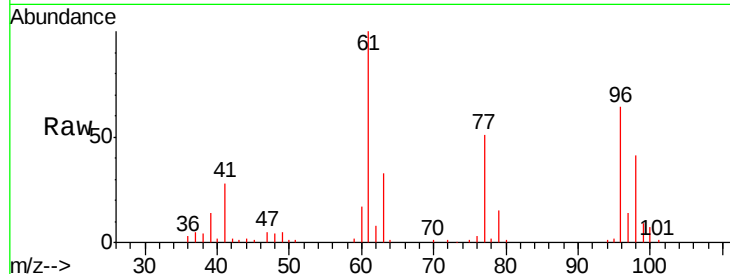
cis-1,2-Dichloroethene
Concen: 20.08 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS02

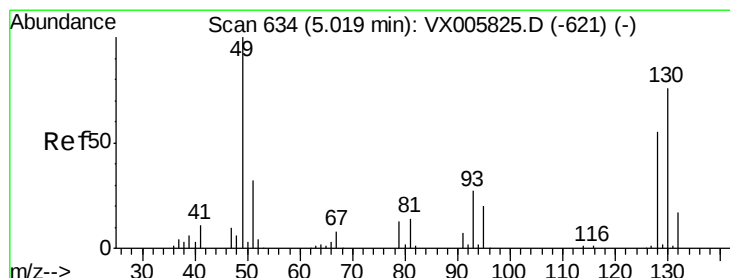
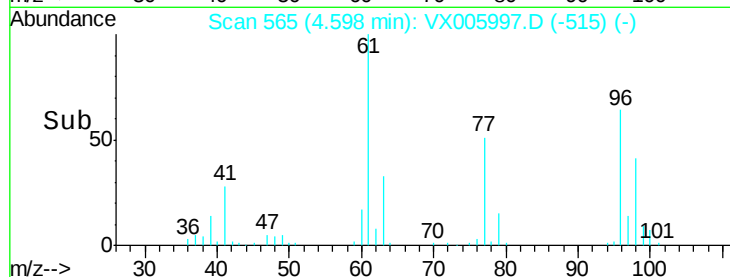
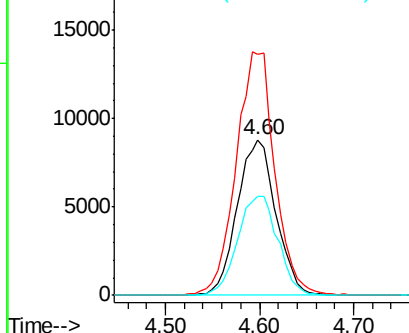
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	25260		
61	157.0	0.0	304.6	
98	66.5	0.0	127.4	

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



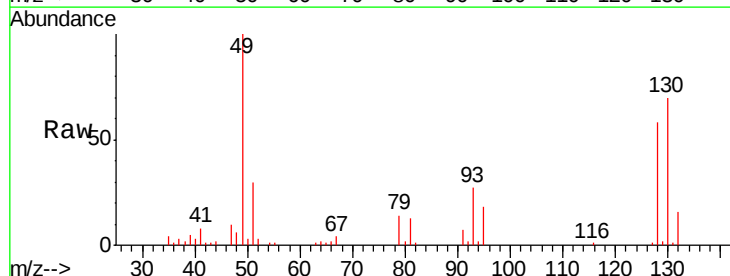
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



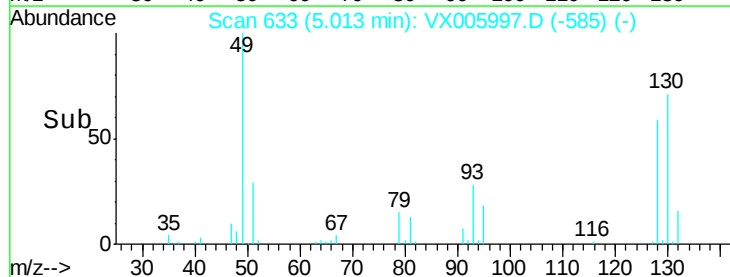
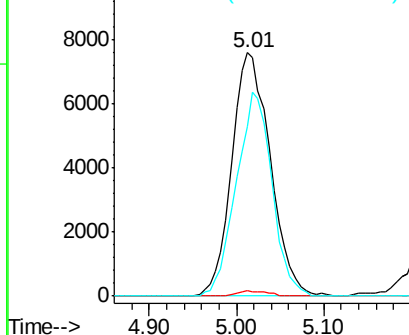
#28

Bromochloromethane
Concen: 23.08 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23257		
129	1.7	0.0	4.0	
130	77.1	58.9	88.3	



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





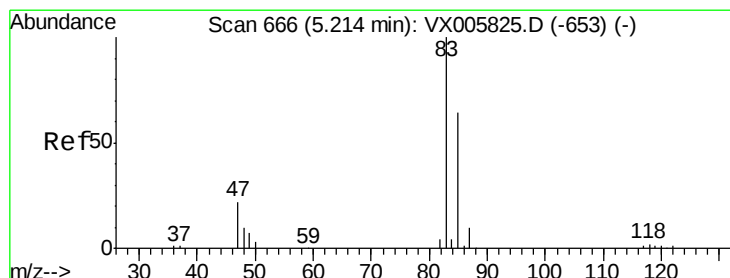
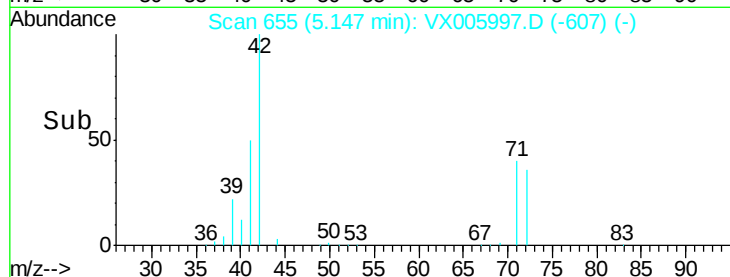
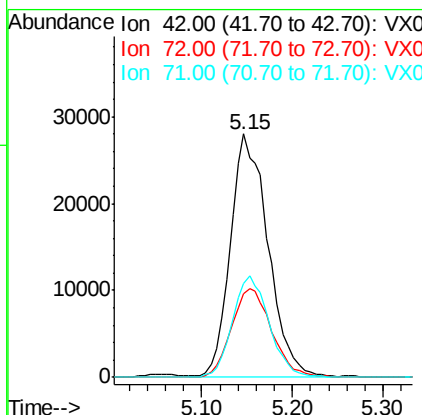
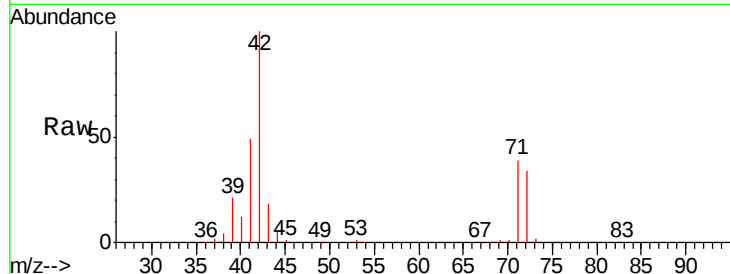
#29
Tetrahydrofuran
Concen: 104.70 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.0	48.0
71	41.0	29.8	44.8

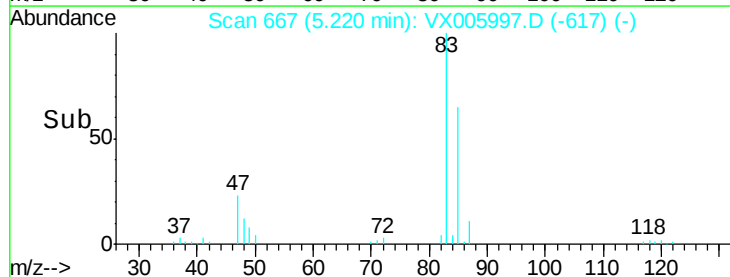
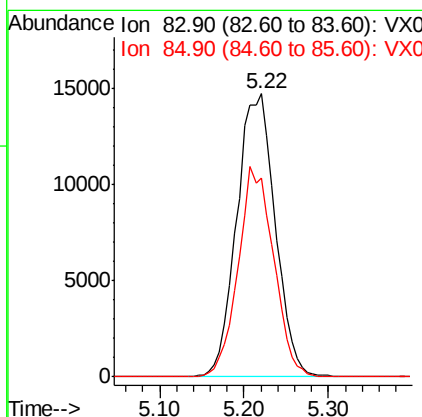
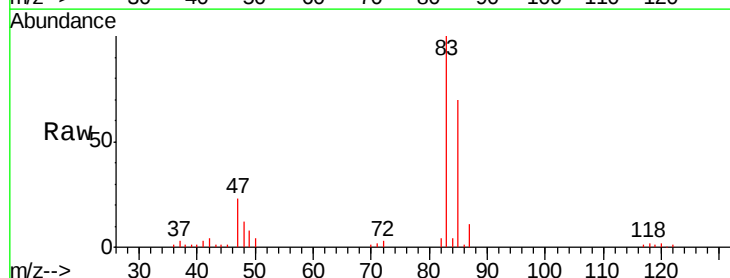
Manual Integrations
APPROVED

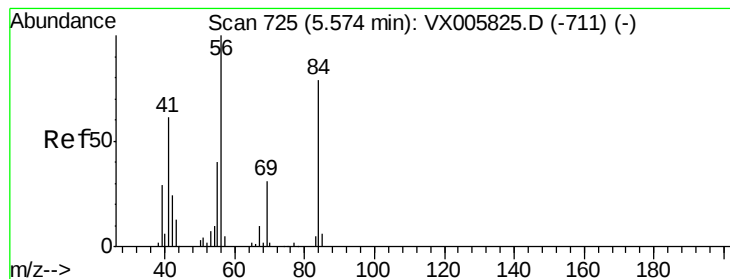
MMDadoda
11/15/2018 1:04:20 PM



#30
Chloroform
Concen: 20.96 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.1	50.6	76.0





#31

Cyclohexane

Concen: 18.60 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

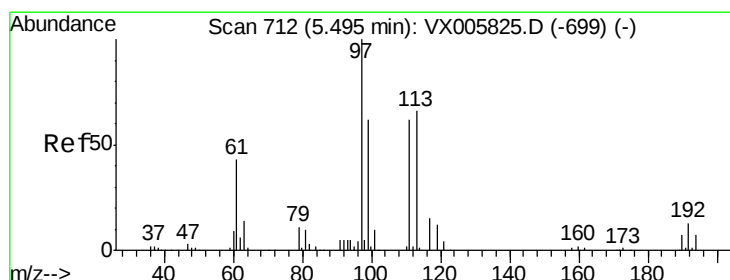
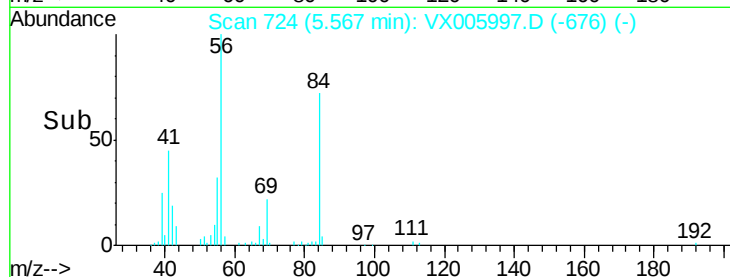
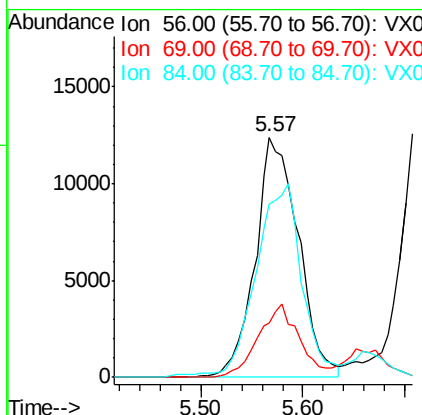
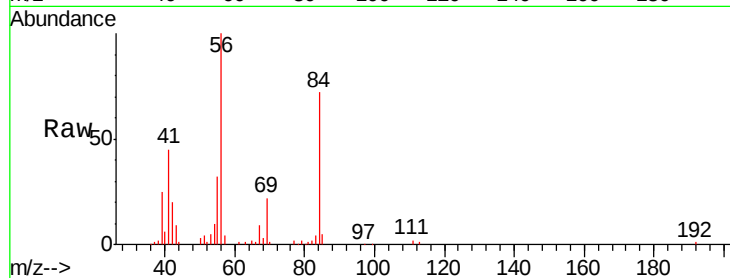
ClientSampleId :

VX1114MBSD02

Tgt Ion:	56	Resp:	36394
Ion	Ratio	Lower	Upper
56	100		
69	22.4	22.6	34.0#
84	70.8	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#32

1,1,1-Trichloroethane

Concen: 20.12 ug/l

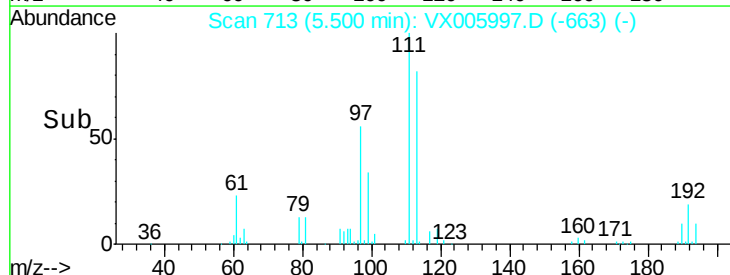
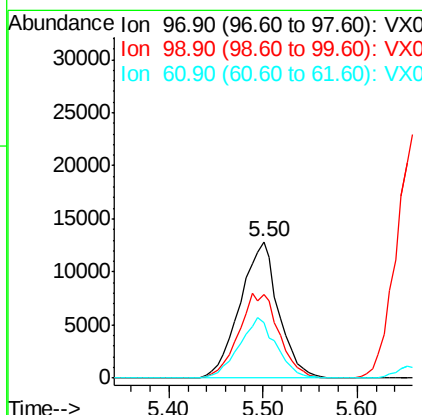
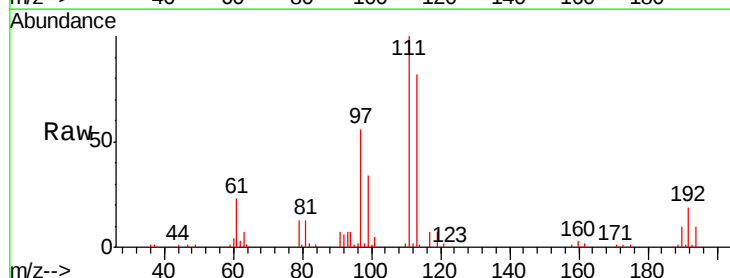
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	97	Resp:	36499
Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	43.4	35.2	52.8





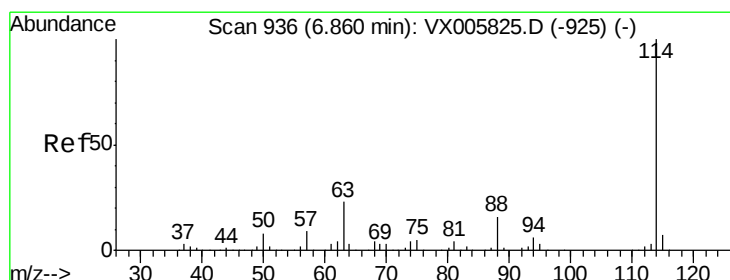
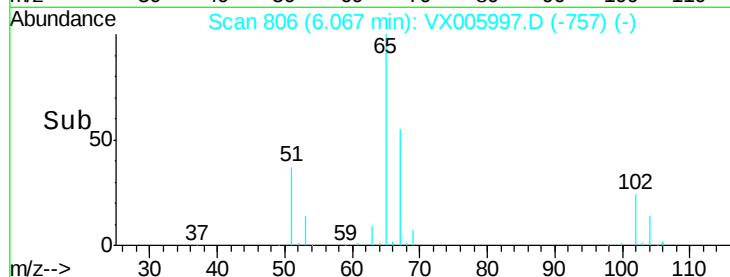
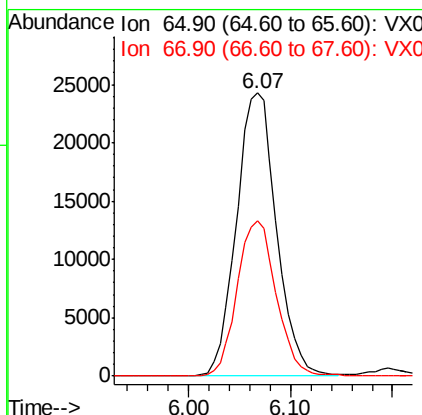
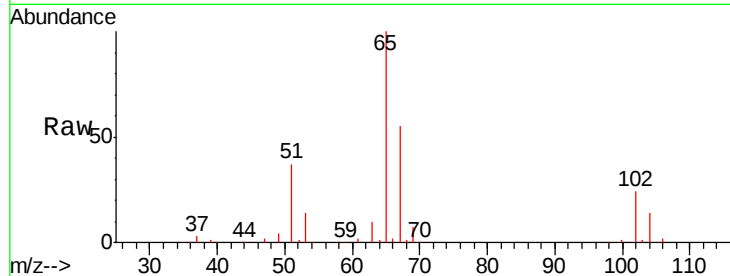
#33
 1,2-Dichloroethane-d4
 Concen: 47.06 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS02

Tgt Ion: 65 Resp: 66100
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0

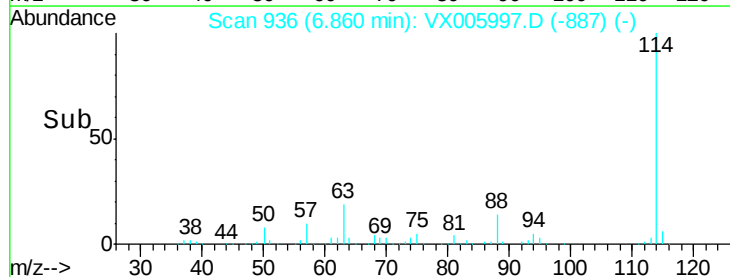
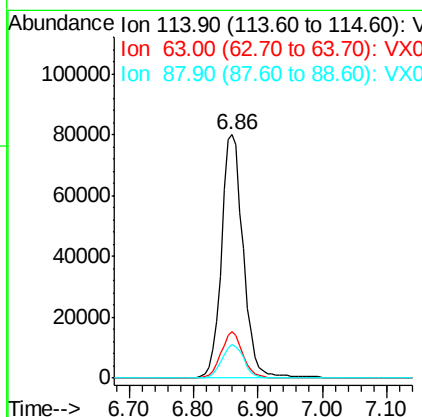
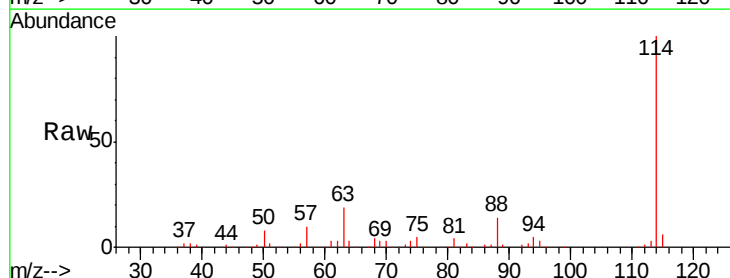
Manual Integrations
 APPROVED

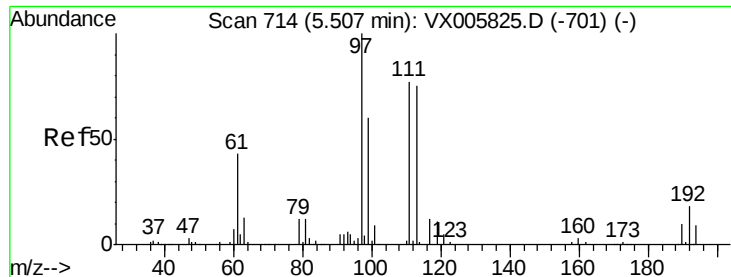
MMDadoda
 11/15/2018 1:04:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 114 Resp: 191866
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.8
 88 13.8 0.0 31.2





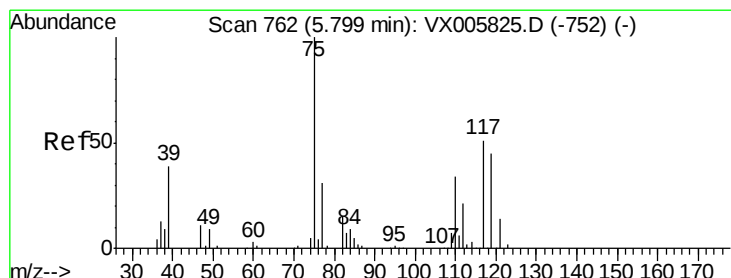
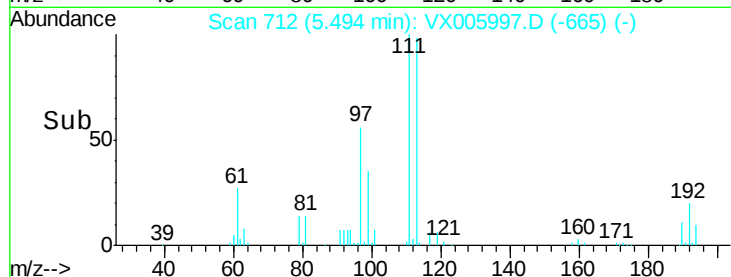
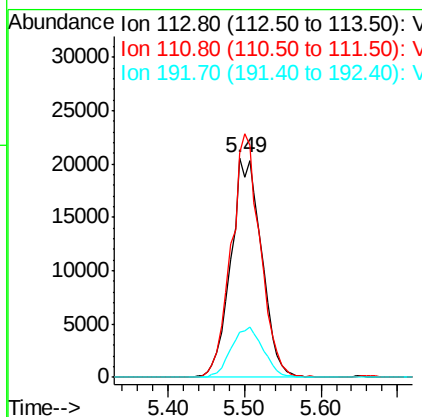
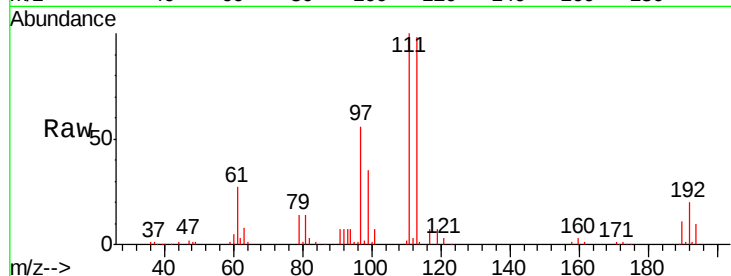
#35
 Dibromofluoromethane
 Concen: 44.07 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	57510		
111	104.3	82.3	123.5	
192	23.7	17.9	26.9	

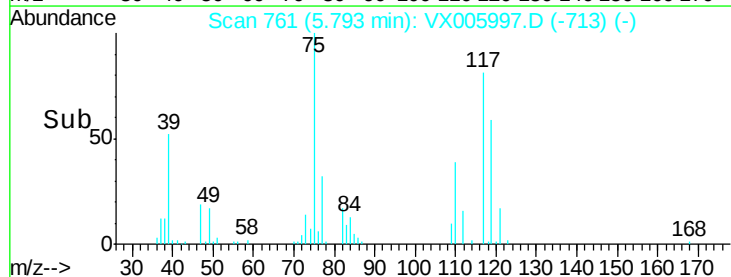
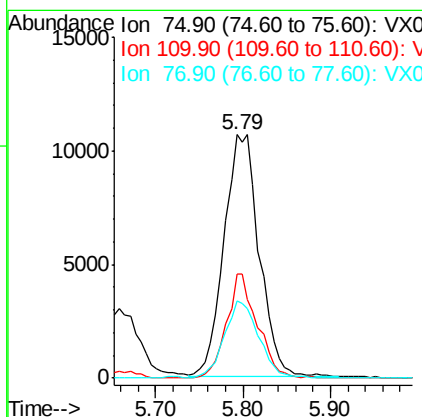
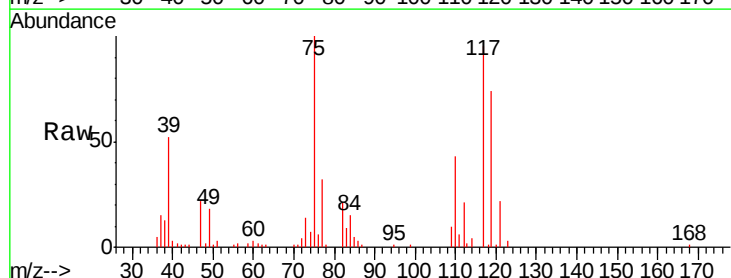
Manual Integrations
 APPROVED

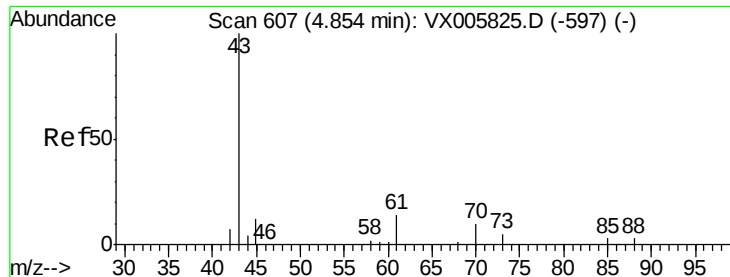
MMDadoda
 11/15/2018 1:04:20 PM



#36
 1,1-Dichloropropene
 Concen: 16.18 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29923		
110	37.2	17.4	52.2	
77	30.9	25.8	38.6	





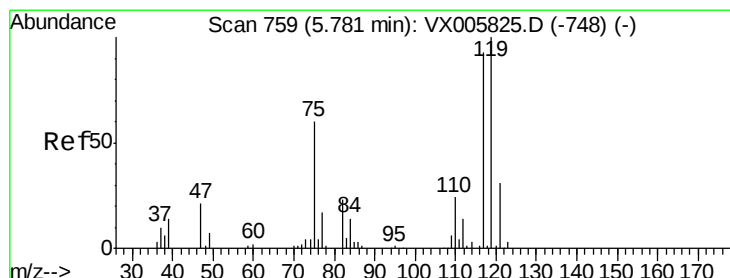
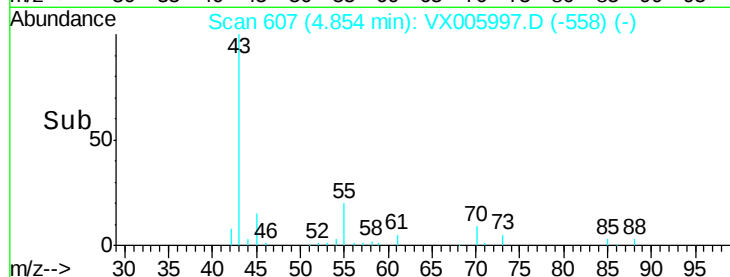
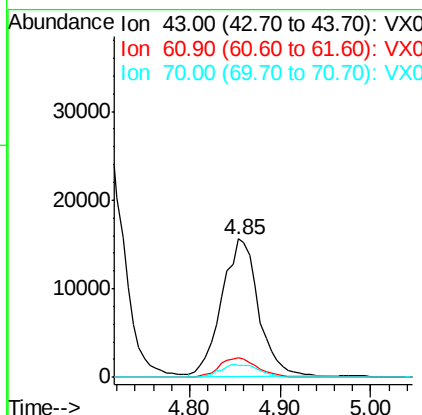
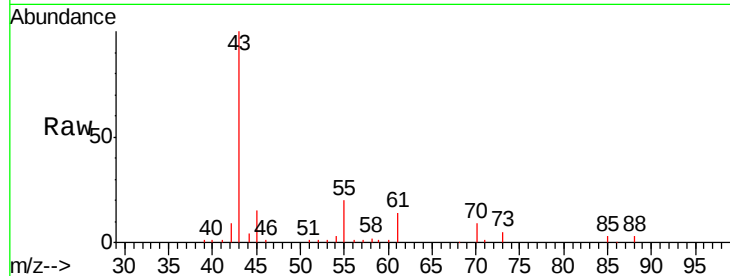
#37
Ethyl Acetate
Concen: 18.09 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.8	16.2
70	10.1	7.8	11.8

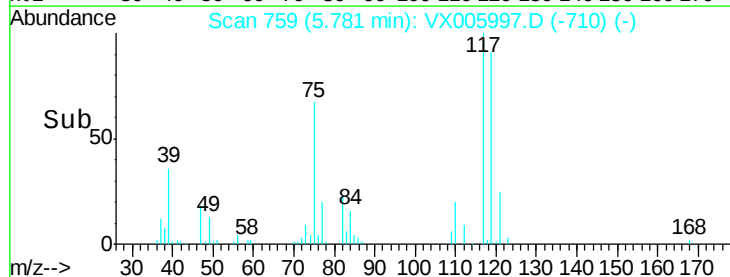
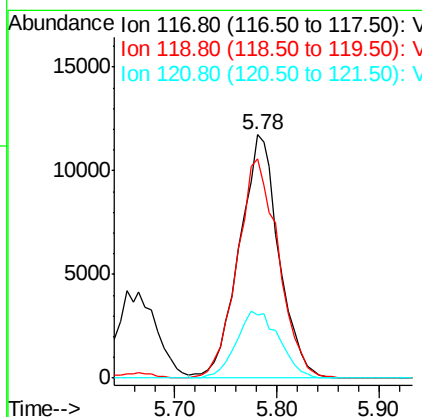
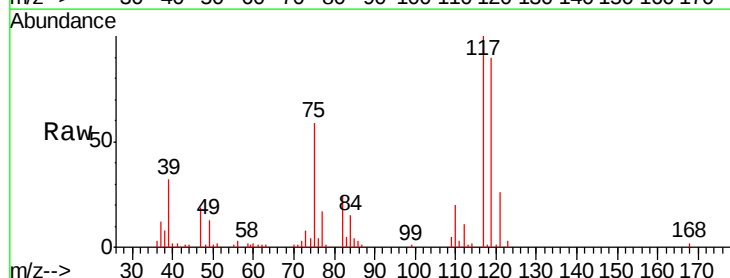
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#38
Carbon Tetrachloride
Concen: 17.10 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	78.1	117.1
121	25.7	24.6	36.8





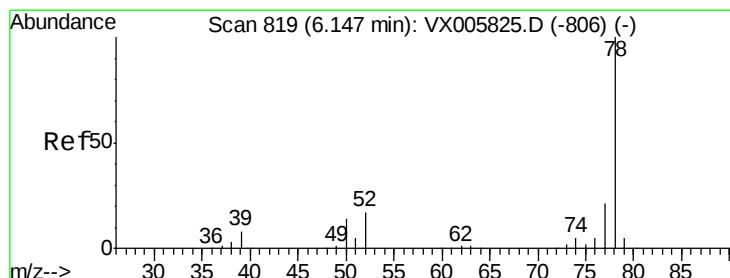
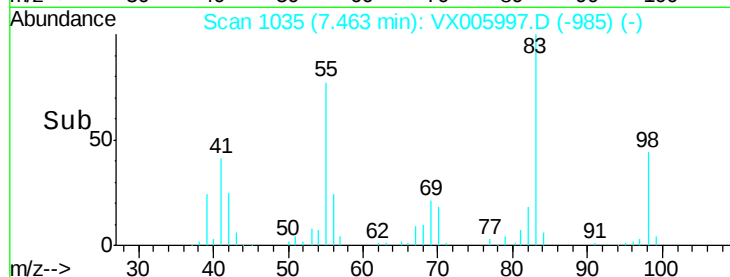
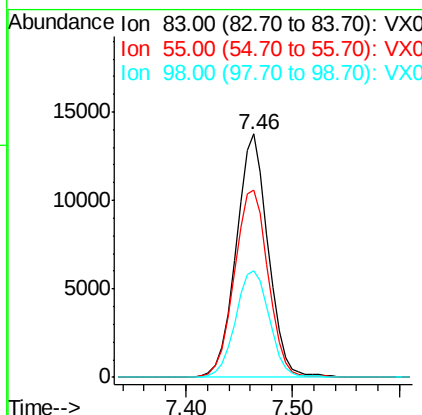
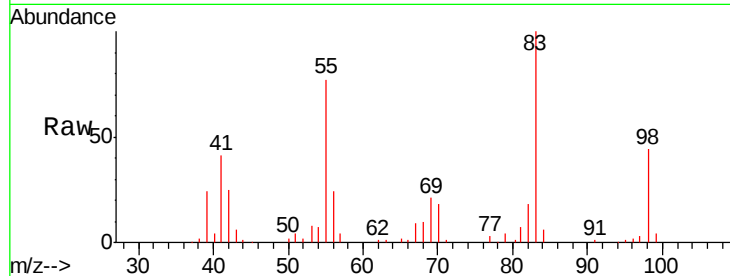
#39
Methylcyclohexane
Concen: 15.49 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.9	63.7	95.5
98	43.7	36.2	54.2

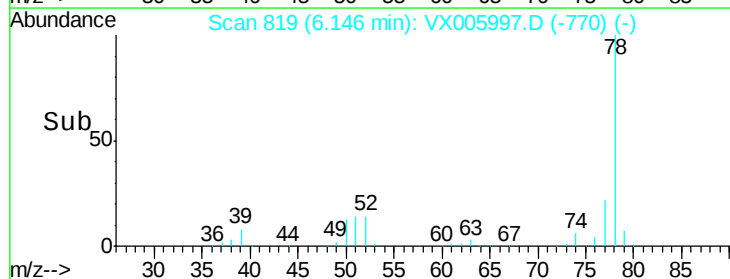
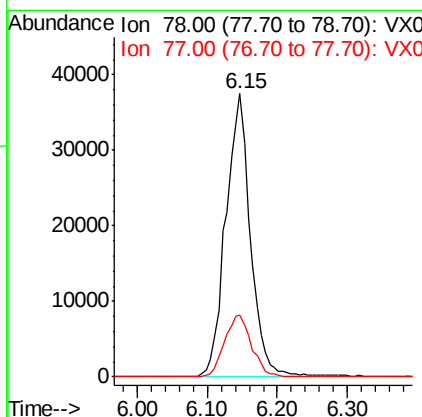
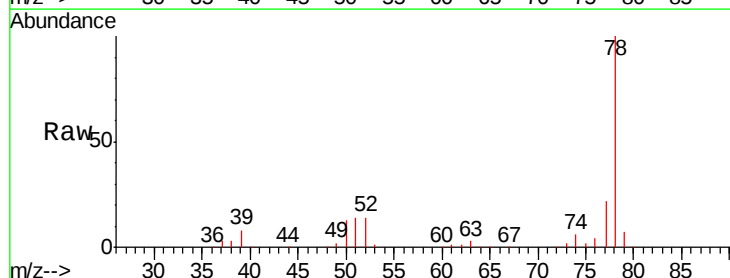
Manual Integrations
APPROVED

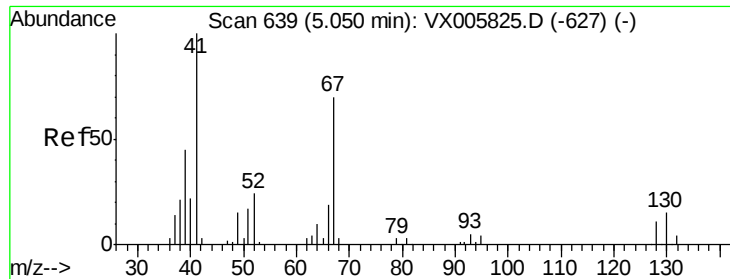
MMDadoda
11/15/2018 1:04:20 PM



#40
Benzene
Concen: 17.10 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6





#41

Methacrylonitrile

Concen: 18.35 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

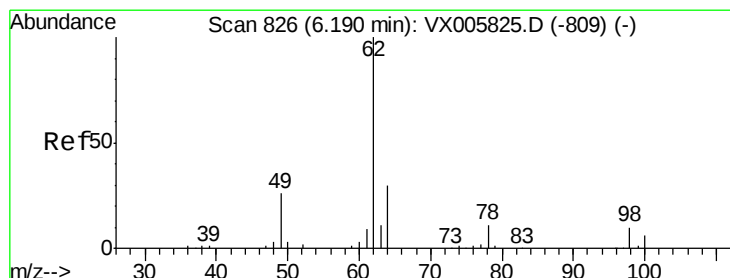
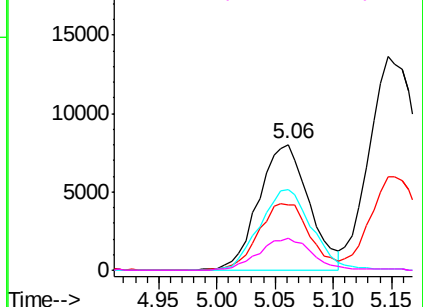
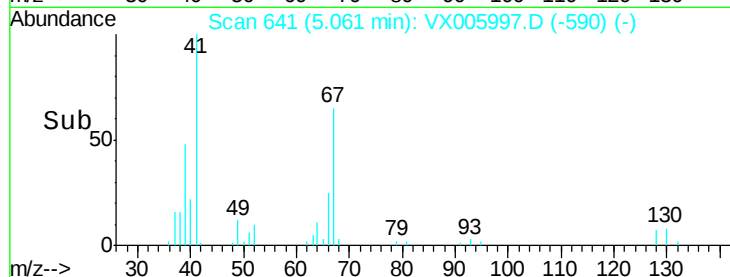
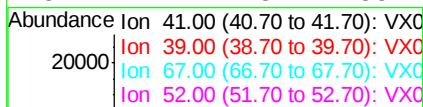
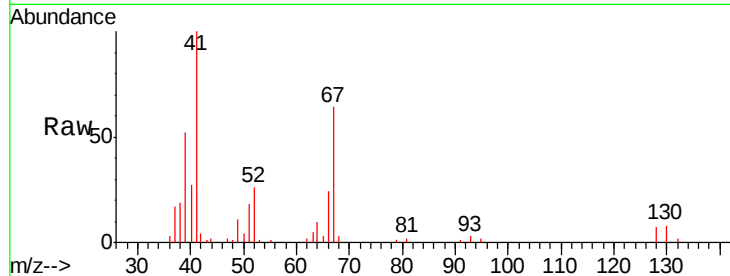
ClientSampleId :

VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.2	42.2	63.2
67	66.7	53.4	80.0
52	27.1	23.4	35.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#42

1,2-Dichloroethane

Concen: 17.15 ug/l

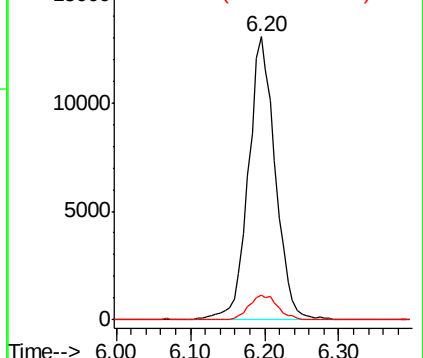
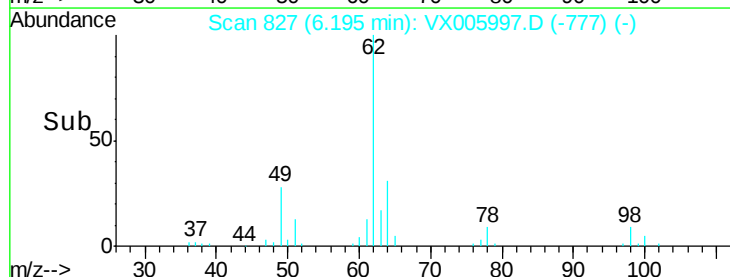
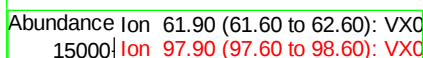
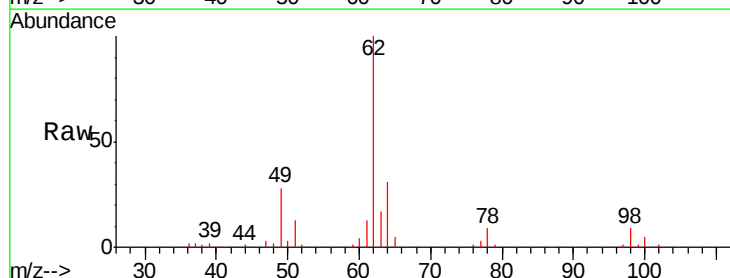
RT: 6.20 min Scan# 827

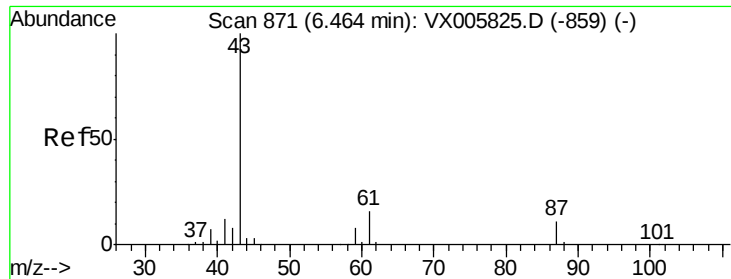
Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

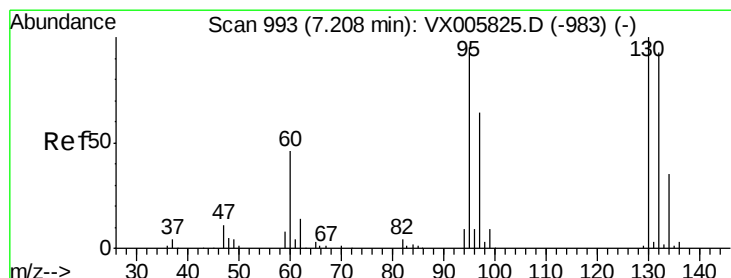
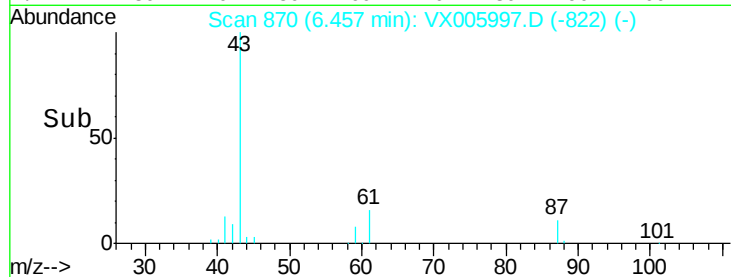
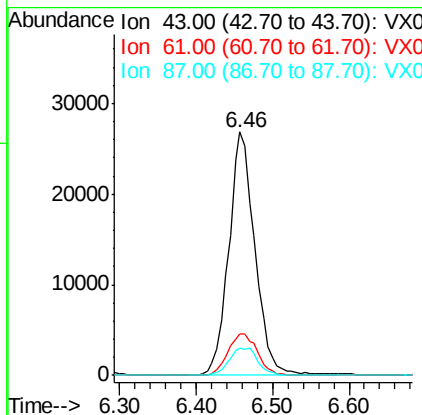
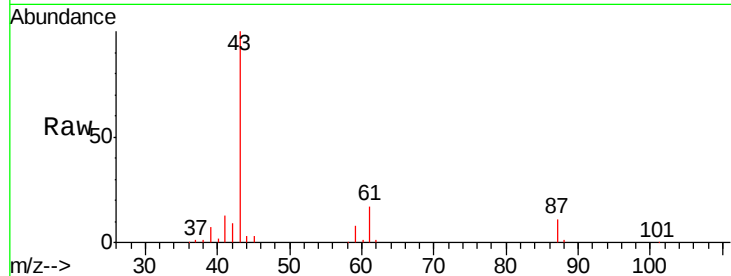
Isopropyl Acetate
 Concen: 18.08 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.6	22.0
87	12.3	9.6	14.4

Manual Integrations
 APPROVED

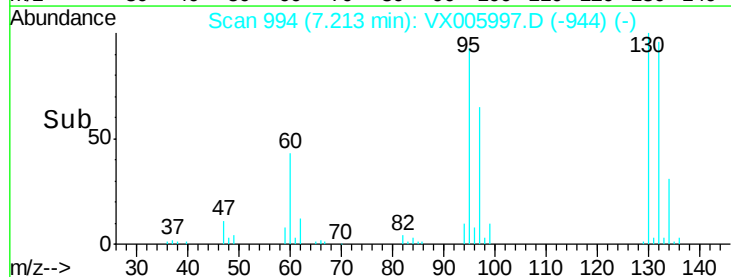
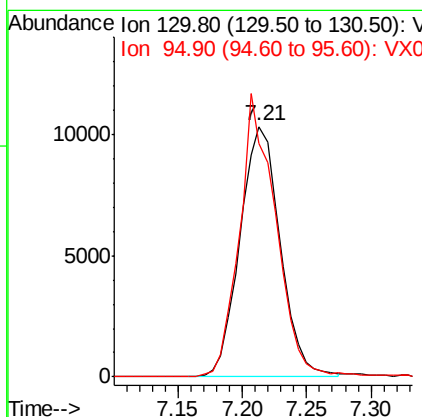
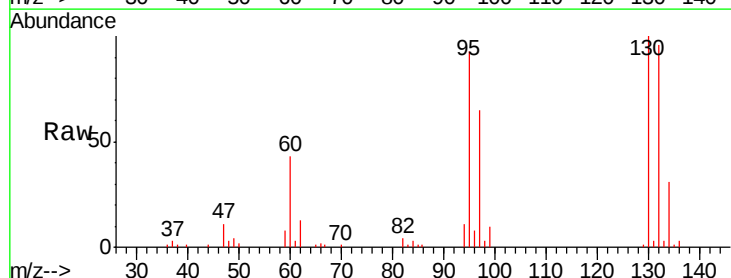
MMDadoda
 11/15/2018 1:04:20 PM

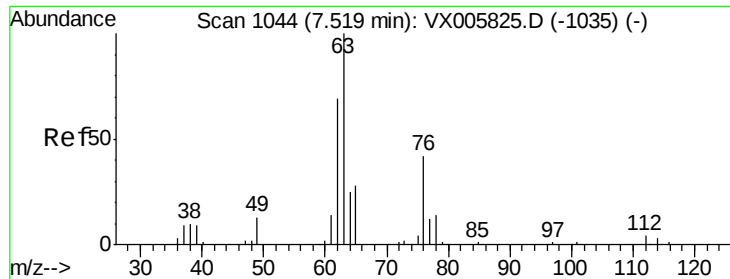


#44

Trichloroethene
 Concen: 16.33 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	194.2





#45

1,2-Dichloropropane

Concen: 17.98 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 63 Resp: 23528

Ion Ratio Lower Upper

63 100

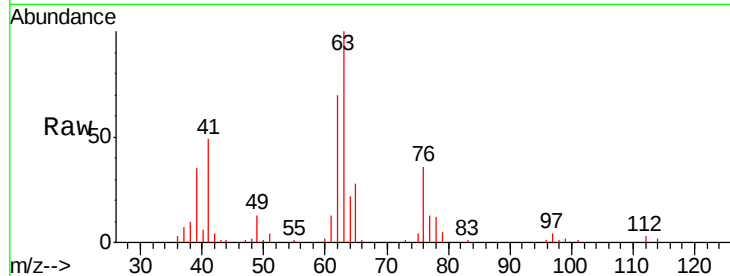
65 28.3 24.8 37.2

Manual Integrations

APPROVED

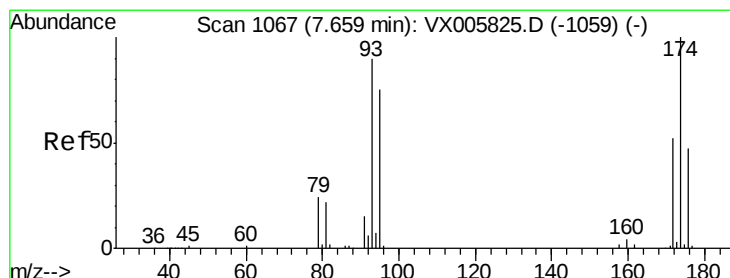
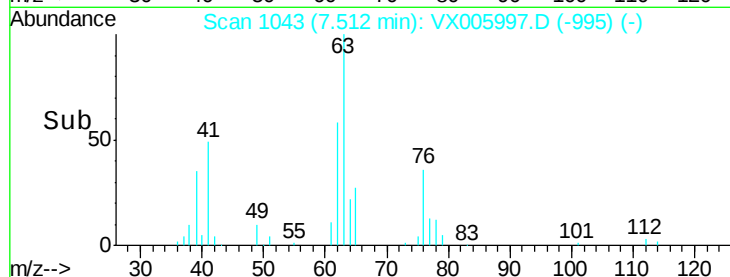
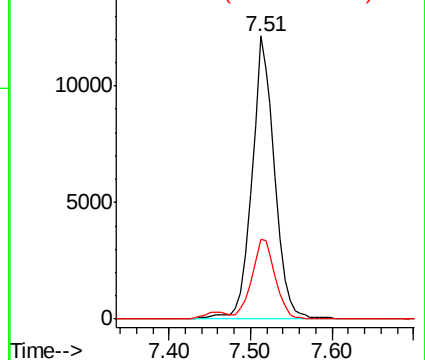
MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.86 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

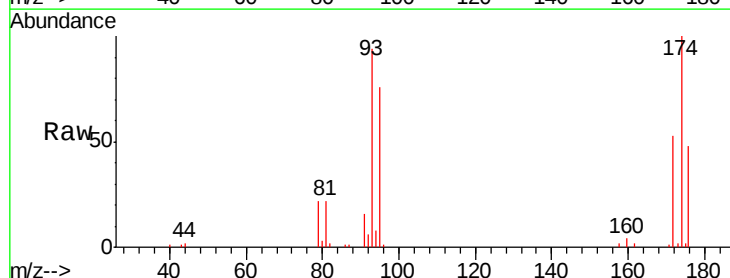
Tgt Ion: 93 Resp: 14668

Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.0

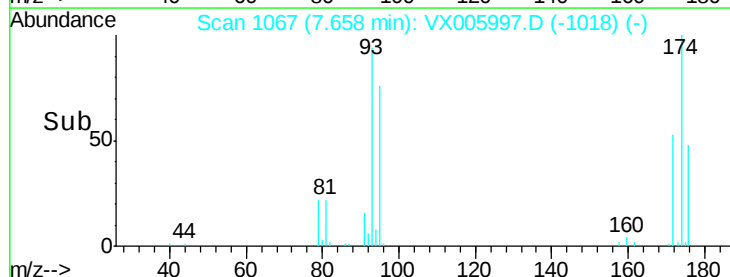
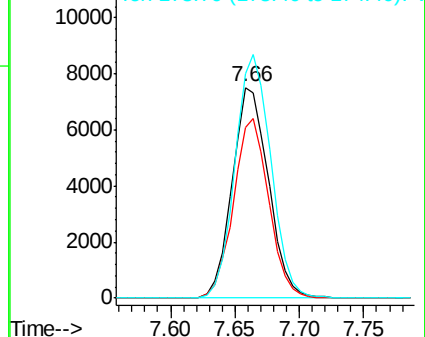
174 114.4 91.5 137.3



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





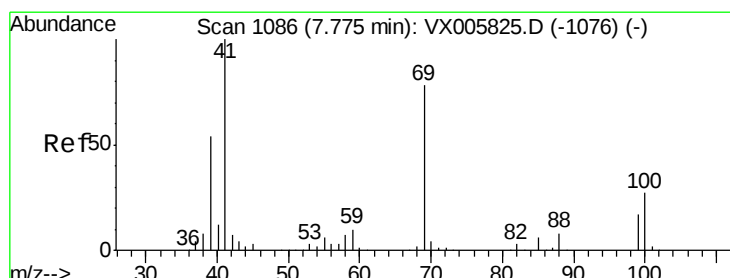
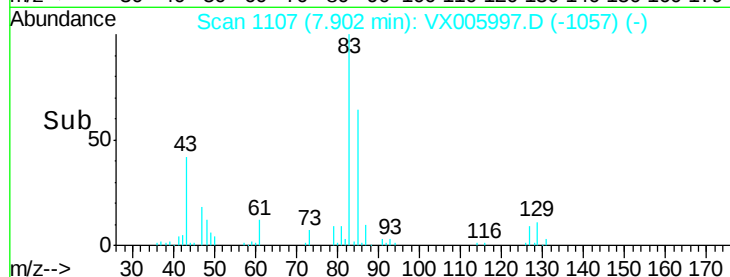
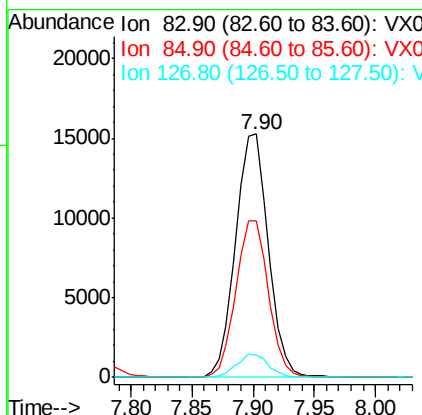
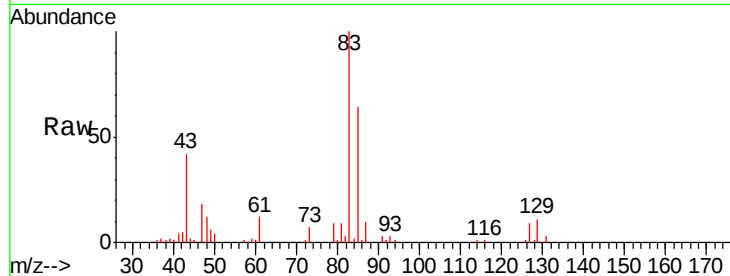
#47
Bromodichloromethane
Concen: 18.27 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.4
127	9.1	6.9	10.3

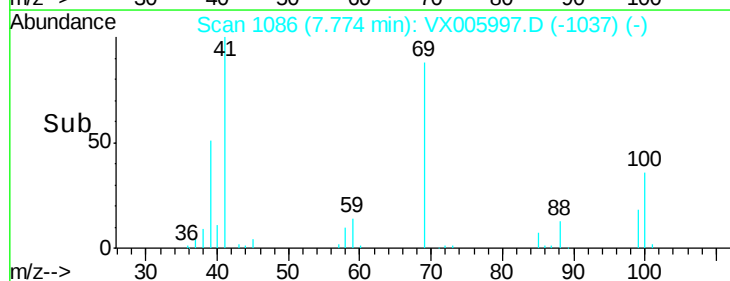
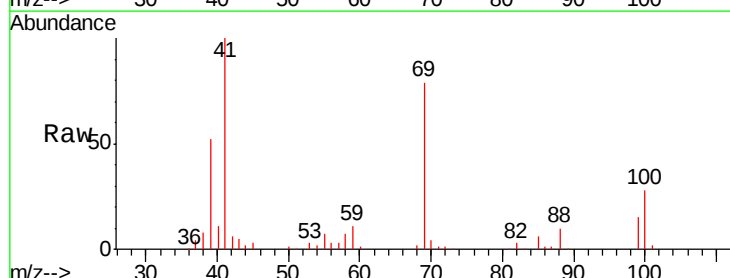
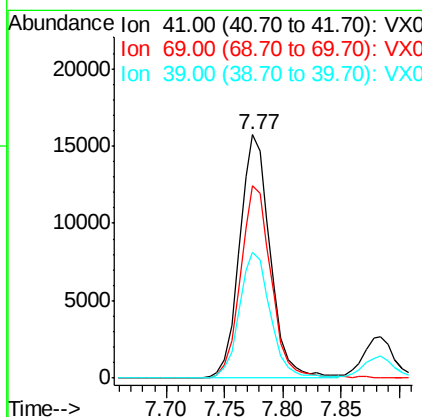
Manual Integrations
APPROVED

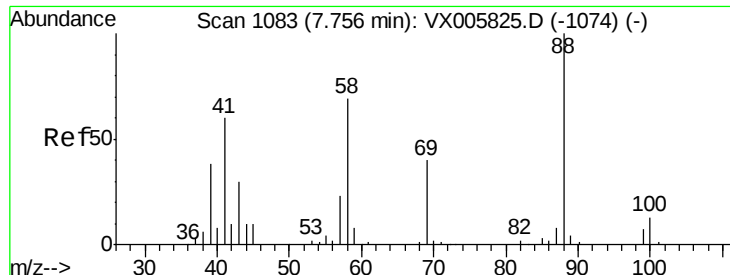
MMDadoda
11/15/2018 1:04:20 PM



#48
Methyl methacrylate
Concen: 18.21 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.2	94.8
39	52.6	42.2	63.2





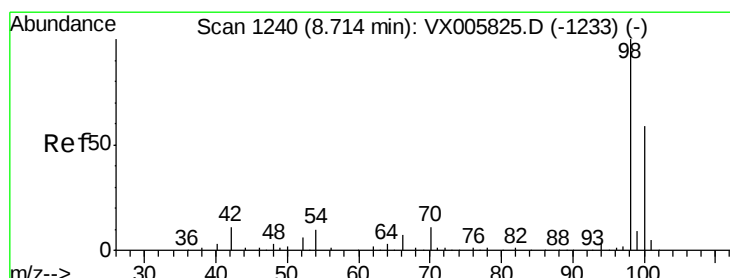
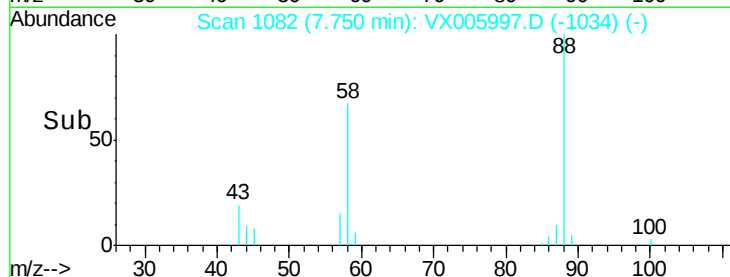
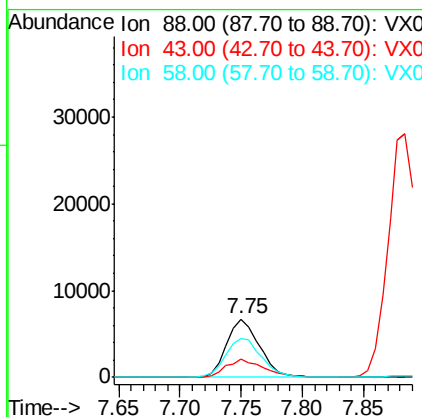
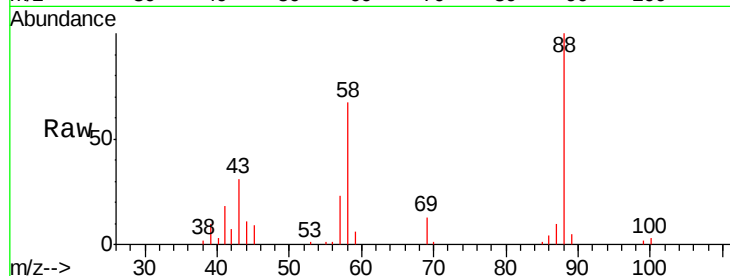
#49
1,4-Dioxane
Concen: 366.88 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.9	27.4	41.0
58	73.2	59.4	89.2

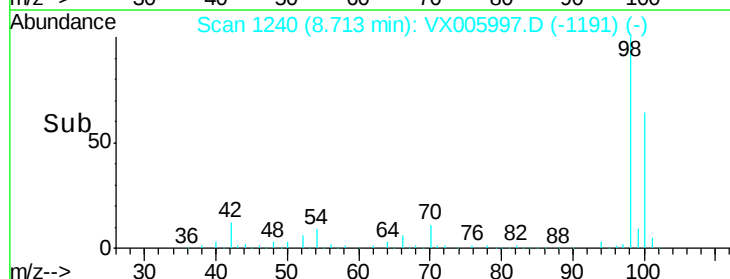
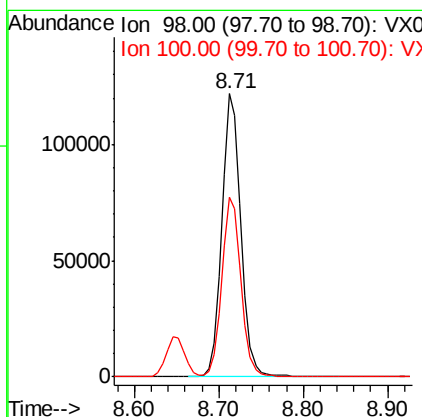
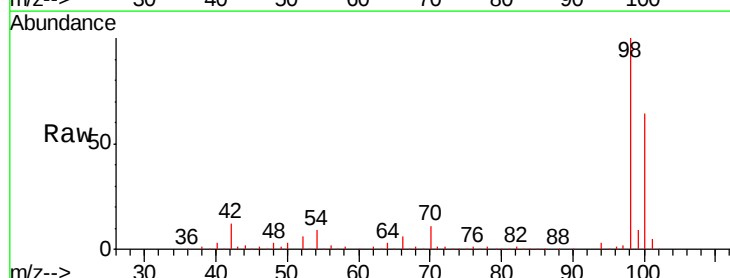
Manual Integrations
APPROVED

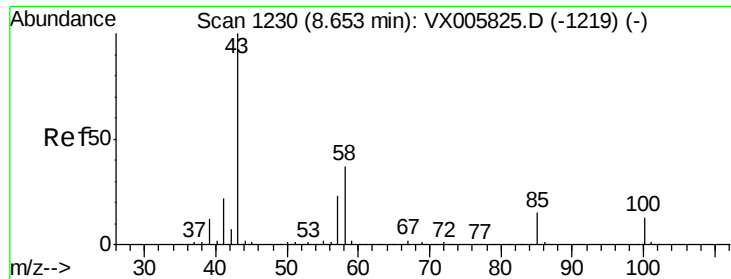
MMDadoda
11/15/2018 1:04:20 PM



#50
Toluene-d8
Concen: 43.66 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





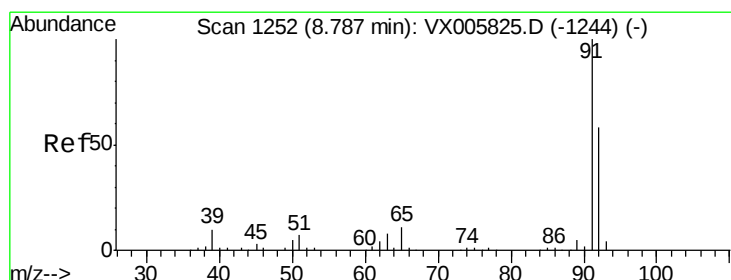
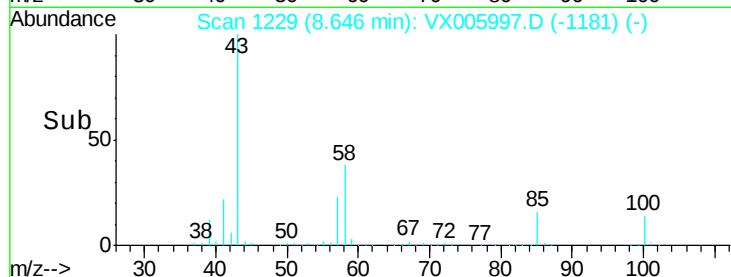
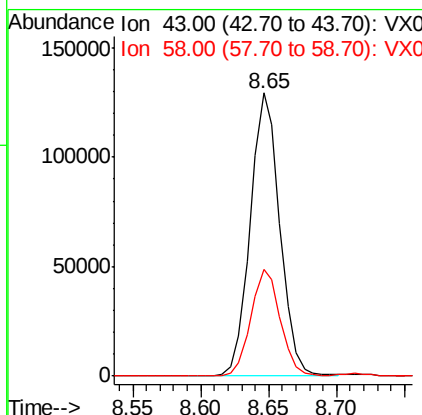
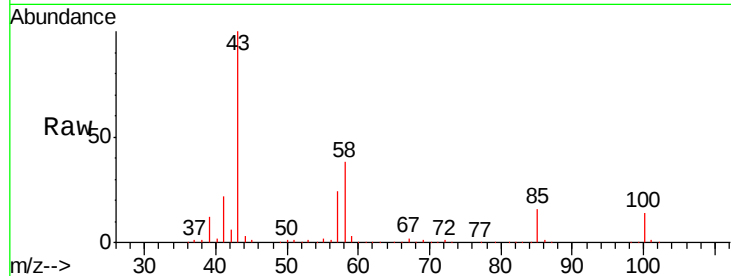
#51
4-Methyl-2-Pentanone
Concen: 89.00 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion: 43 Resp: 197692
Ion Ratio Lower Upper
43 100
58 37.7 29.7 44.5

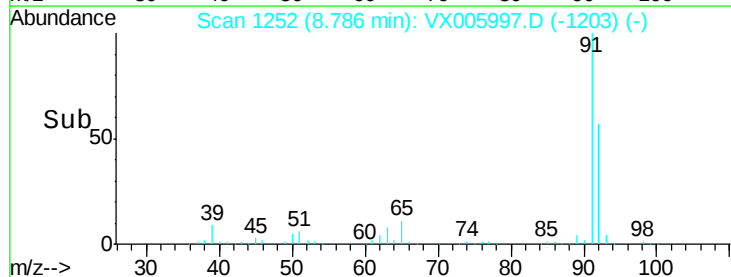
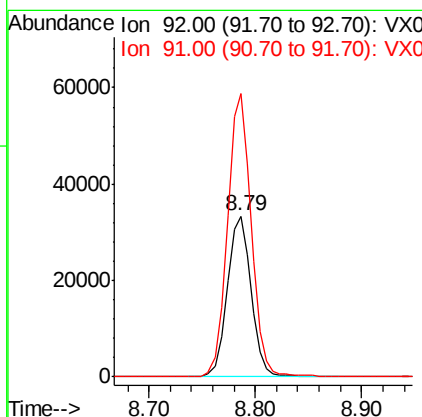
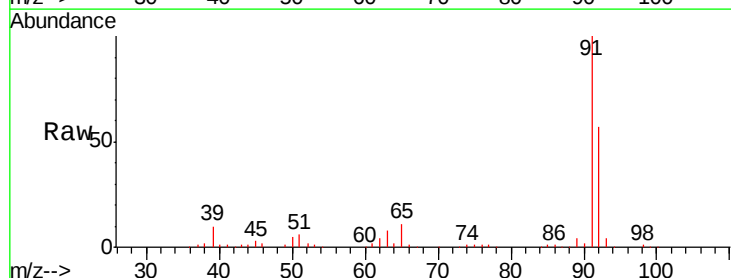
Manual Integrations
APPROVED

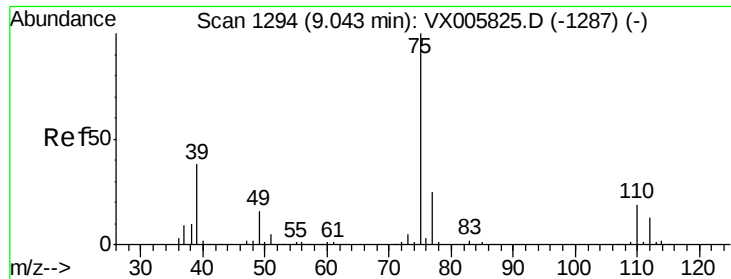
MMDadoda
11/15/2018 1:04:20 PM



#52
Toluene
Concen: 17.39 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 92 Resp: 52410
Ion Ratio Lower Upper
92 100
91 175.6 140.4 210.6





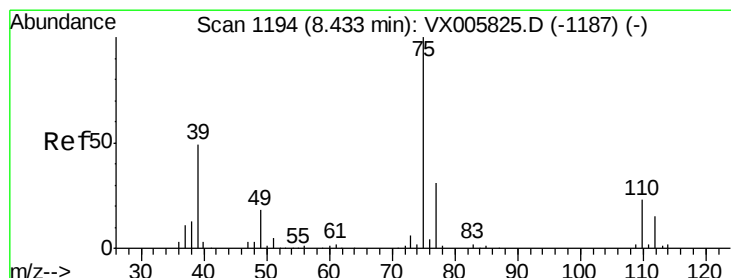
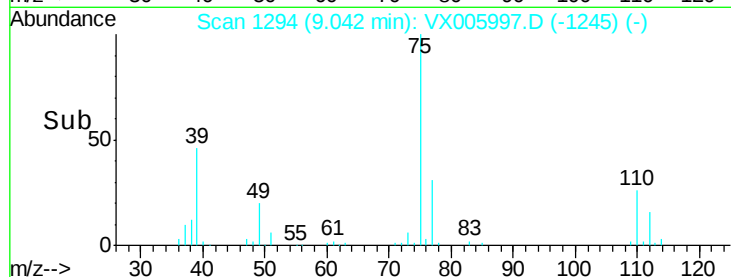
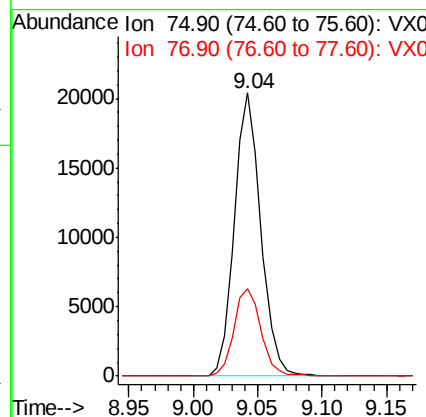
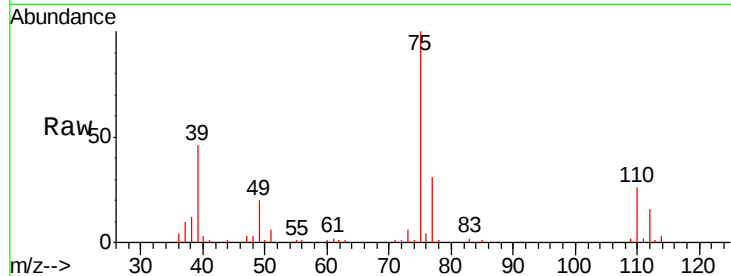
#53
t-1,3-Dichloropropene
Concen: 16.04 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion: 75 Resp: 29384
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

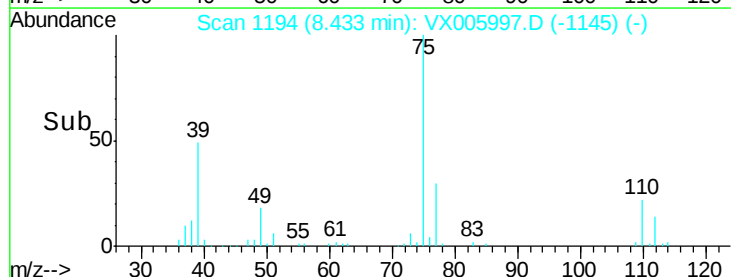
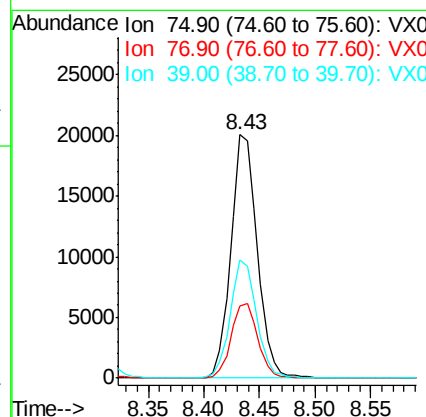
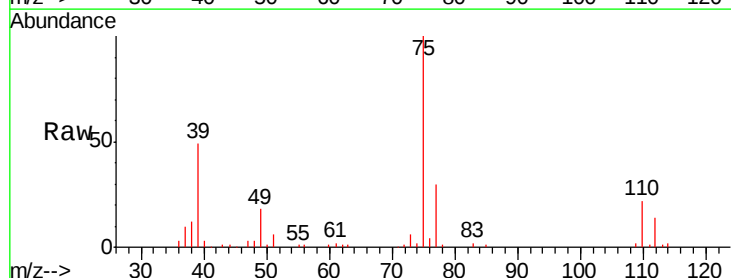
Manual Integrations
APPROVED

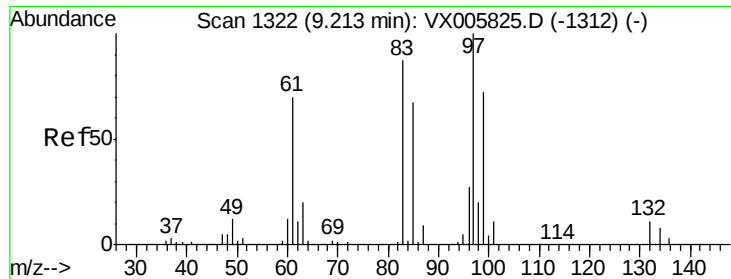
MMDadoda
11/15/2018 1:04:20 PM



#54
cis-1,3-Dichloropropene
Concen: 17.63 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 75 Resp: 32911
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8
39 48.6 38.2 57.2





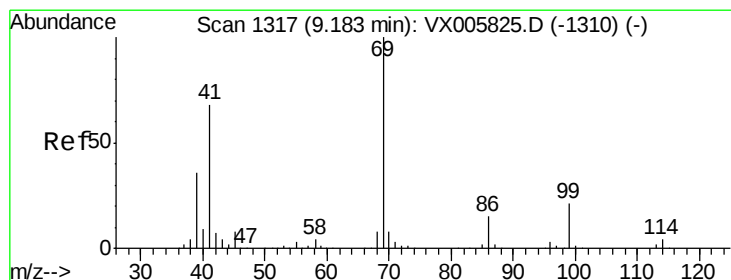
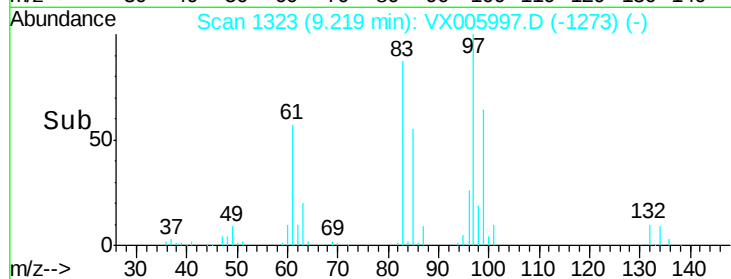
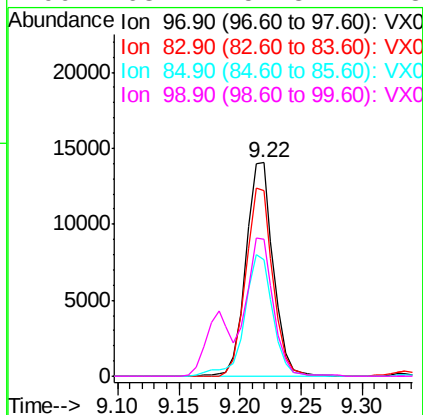
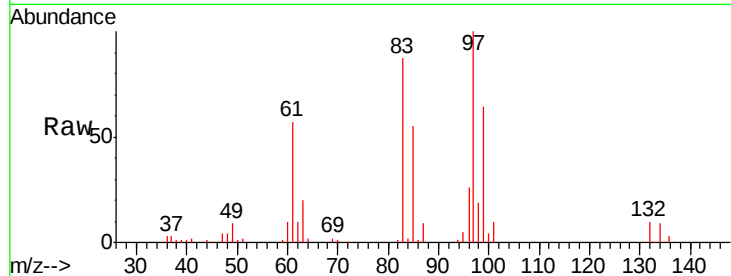
#55
 1,1,2-Trichloroethane
 Concen: 16.31 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	54.8	45.8	68.6
99	63.7	51.8	77.8

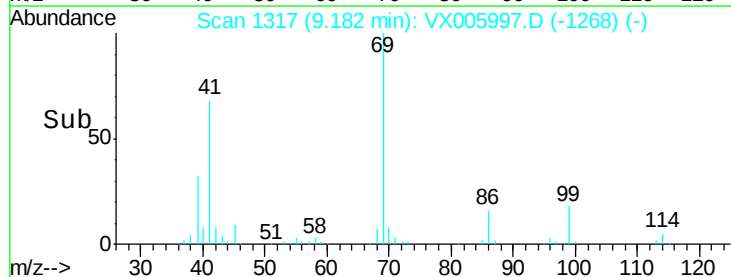
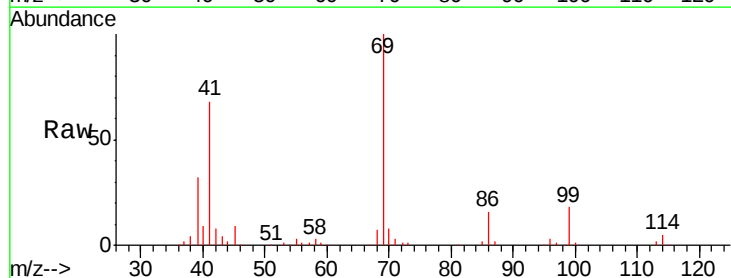
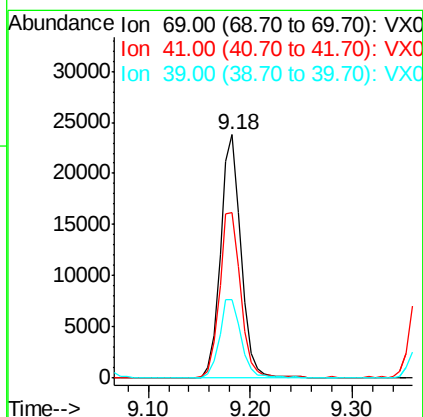
Manual Integrations
 APPROVED

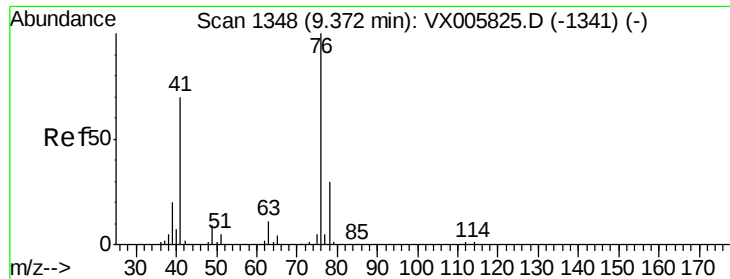
MMDadoda
 11/15/2018 1:04:20 PM



#56
 Ethyl methacrylate
 Concen: 16.59 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	57.0	85.6
39	34.8	28.3	42.5





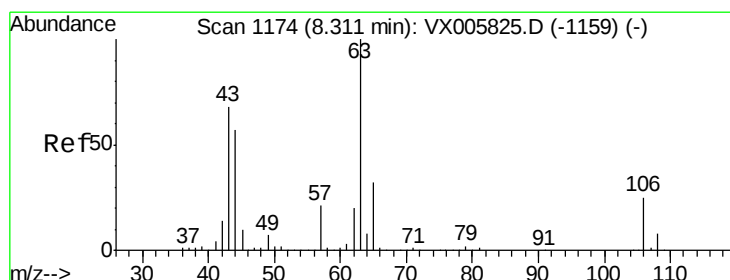
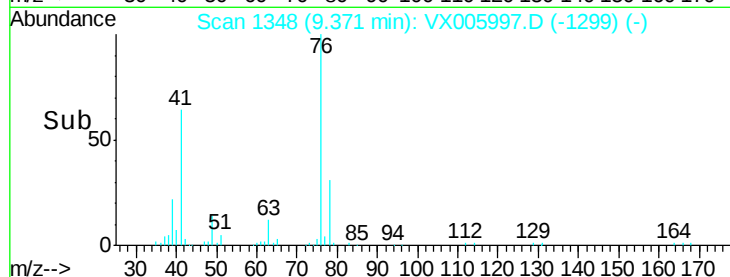
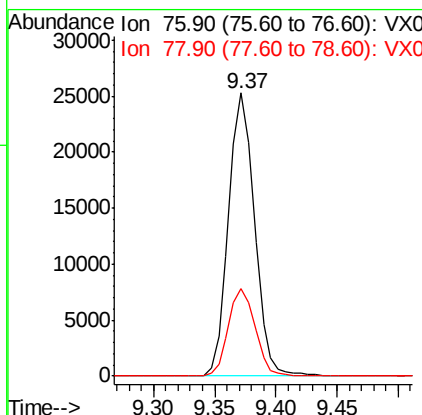
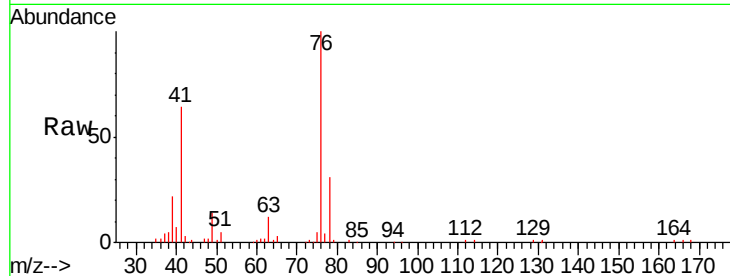
#57
 1,3-Dichloropropane
 Concen: 16.47 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS02

Tgt Ion: 76 Resp: 37176
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.3 37.9

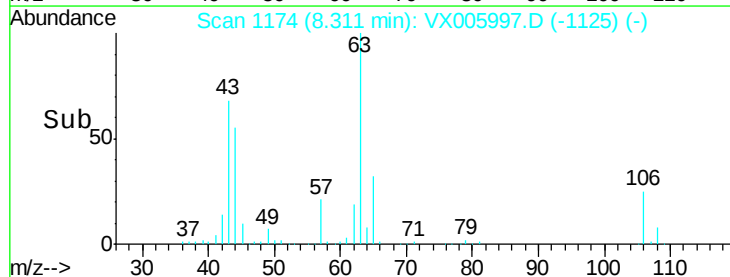
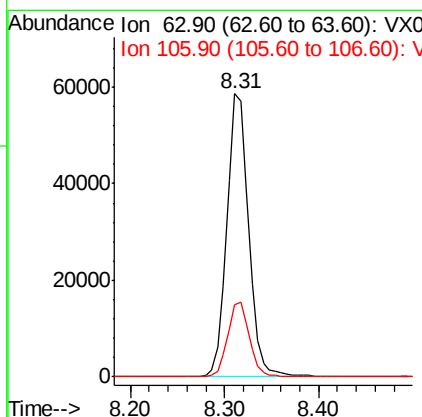
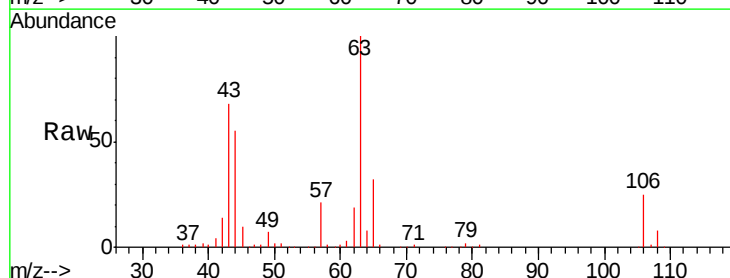
Manual Integrations
 APPROVED

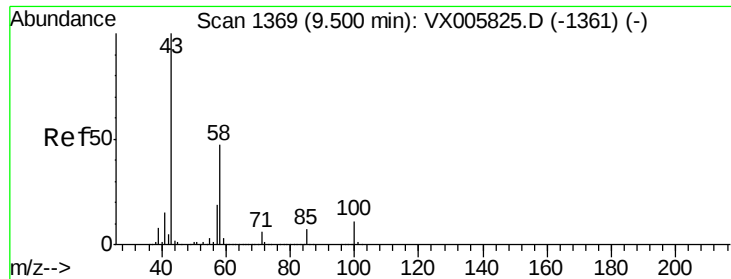
MMDadoda
 11/15/2018 1:04:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.64 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 63 Resp: 94415
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9





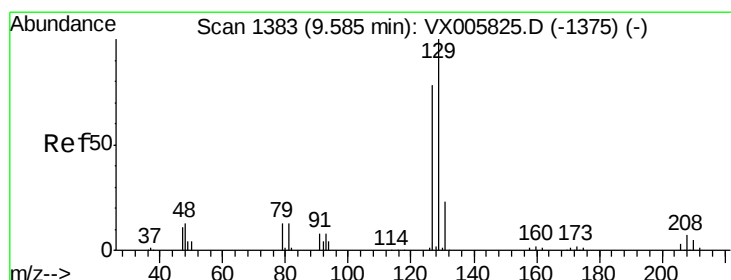
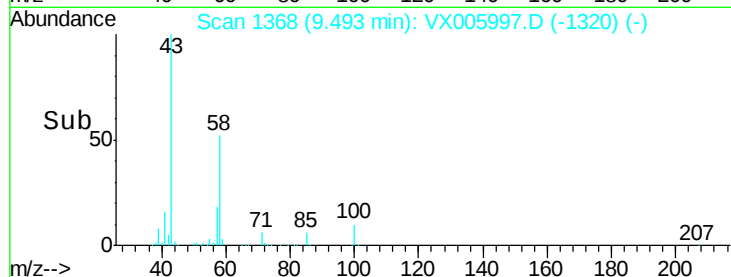
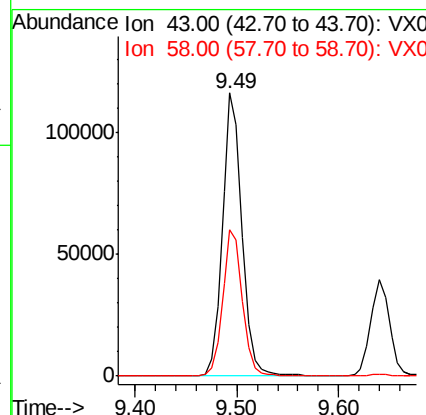
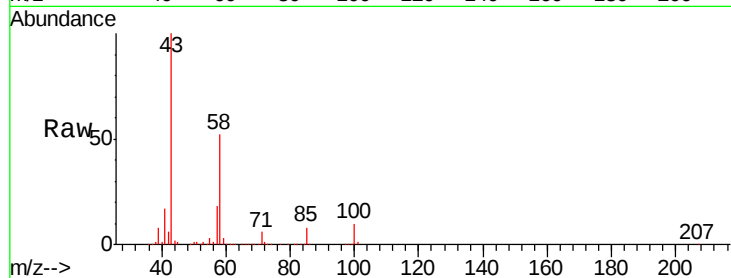
#59
2-Hexanone
Concen: 79.70 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion: 43 Resp: 156038
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.8

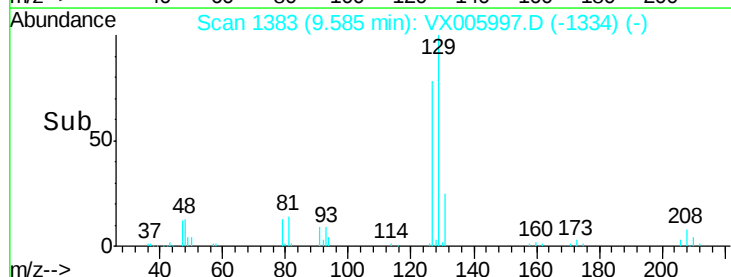
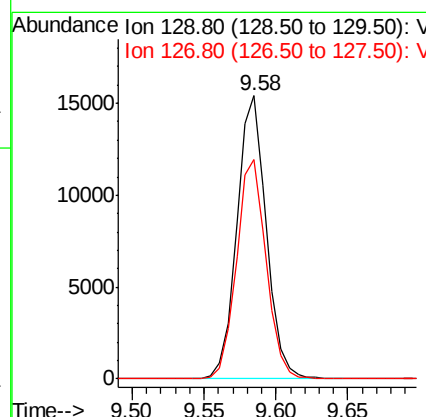
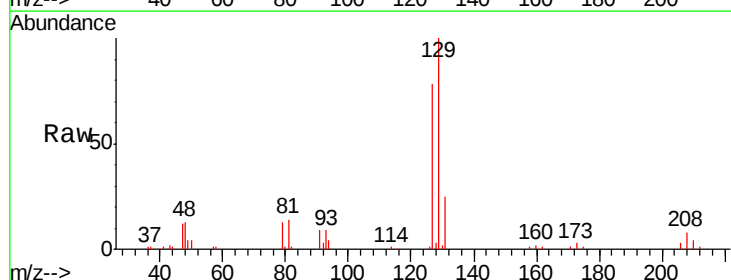
Manual Integrations
APPROVED

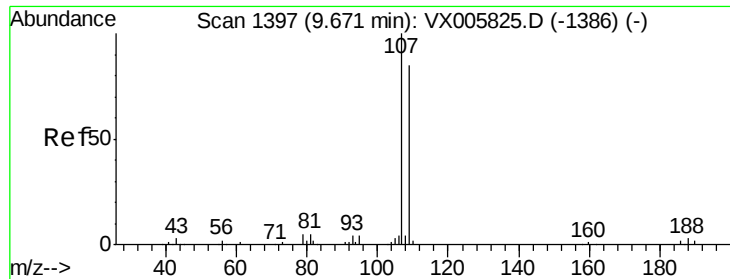
MMDadoda
11/15/2018 1:04:20 PM



#60
Dibromochloromethane
Concen: 15.13 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 129 Resp: 21962
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 15.43 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 107 Resp: 22914

Ion Ratio Lower Upper

107 100

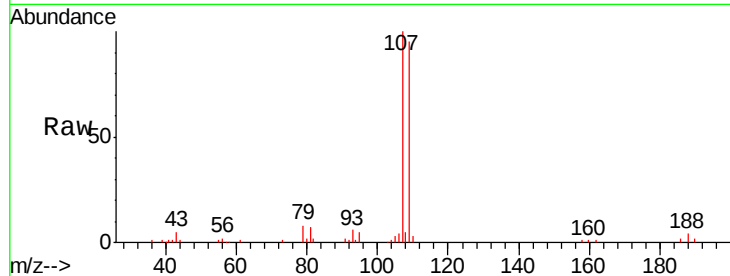
109 94.1 75.7 113.5

Manual Integrations

APPROVED

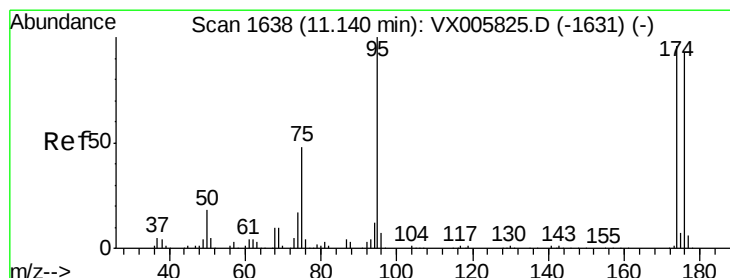
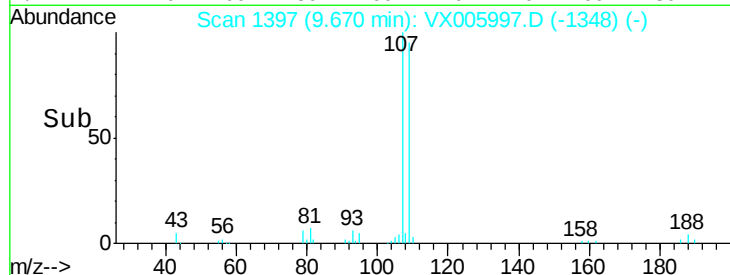
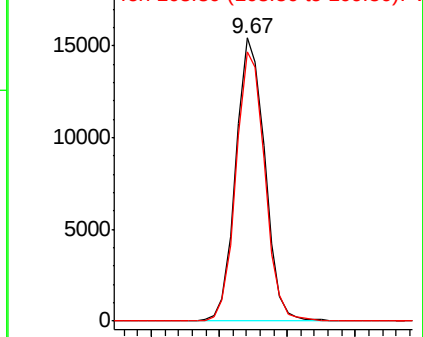
MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.13 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

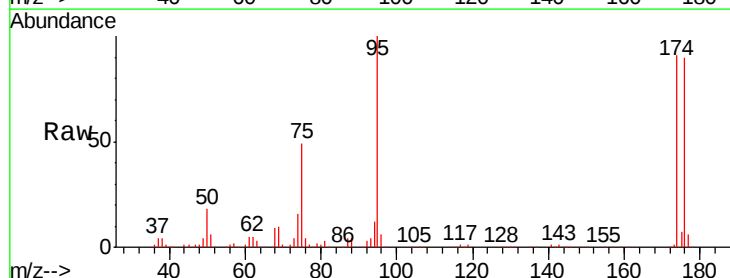
Tgt Ion: 95 Resp: 70396

Ion Ratio Lower Upper

95 100

174 89.4 0.0 184.4

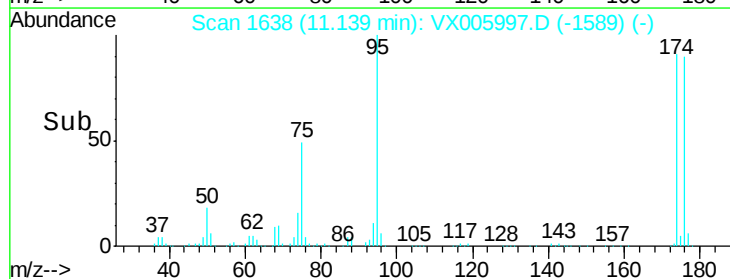
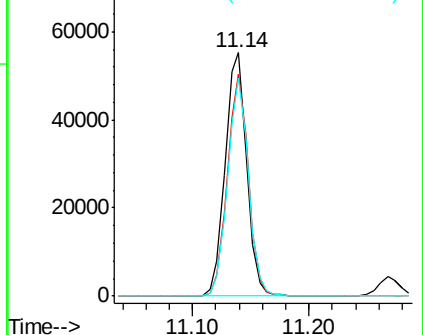
176 87.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





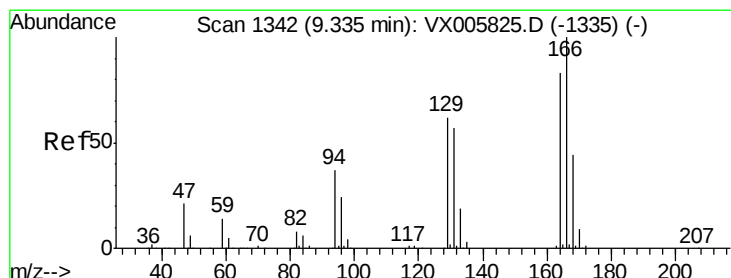
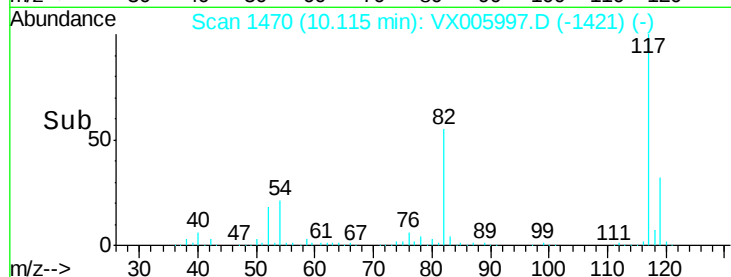
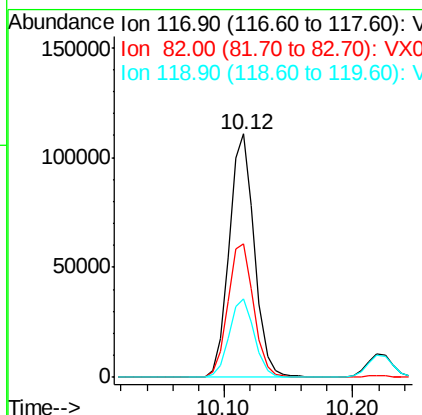
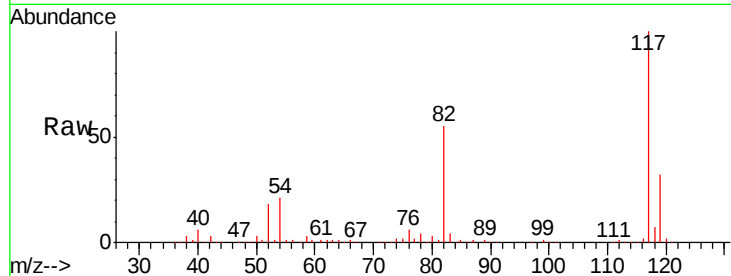
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	151911		
82	54.6	44.1	66.1	
119	32.1	26.2	39.2	

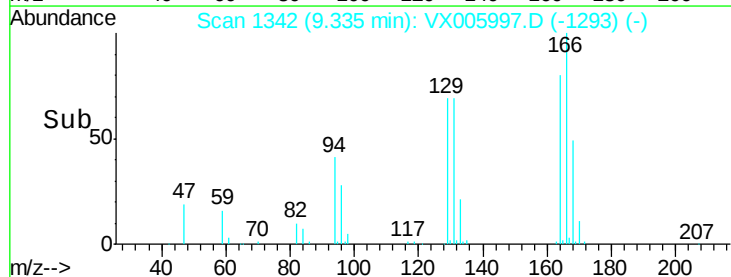
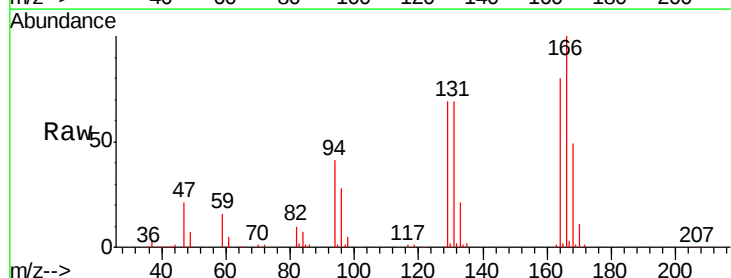
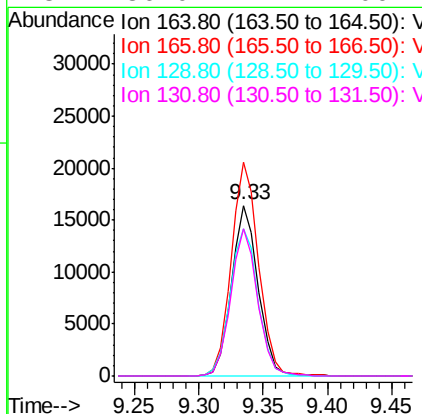
Manual Integrations
APPROVED

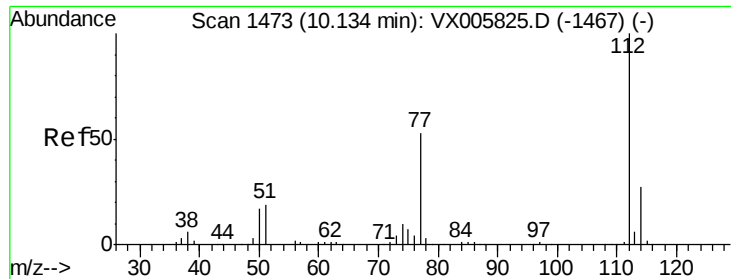
MMDadoda
11/15/2018 1:04:20 PM



#64
Tetrachloroethene
Concen: 18.27 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23624		
166	125.3	101.9	152.9	
129	86.6	72.6	109.0	
131	86.0	71.1	106.7	





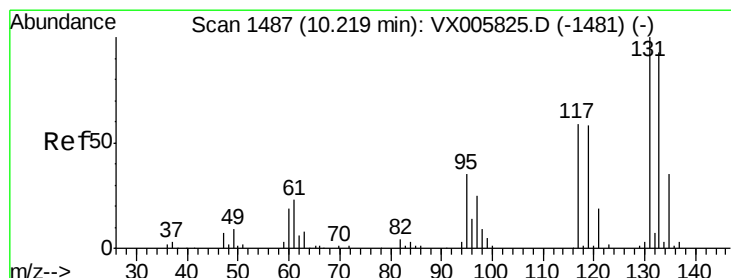
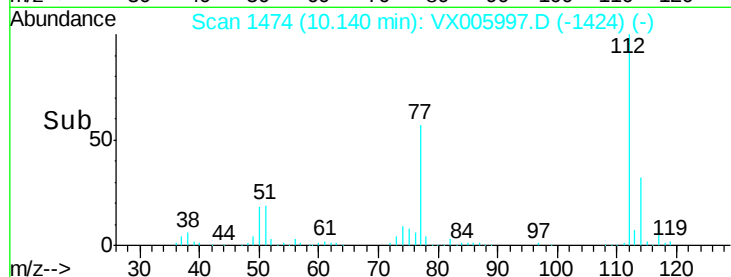
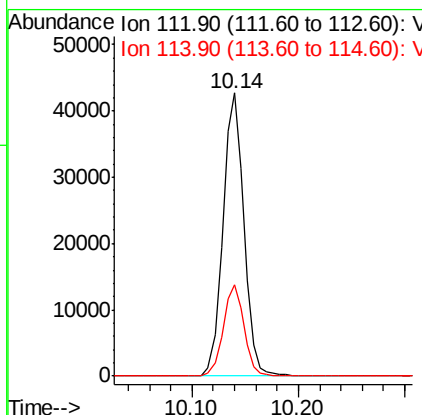
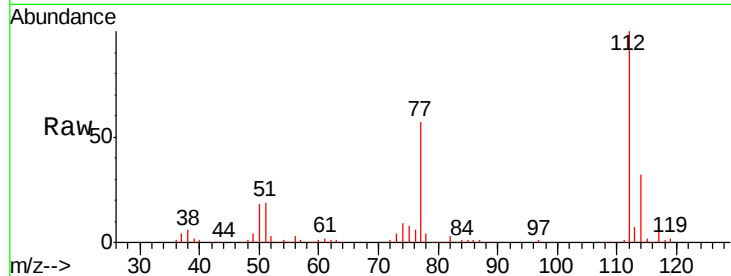
#65
Chlorobenzene
Concen: 19.28 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion:112 Resp: 58688
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

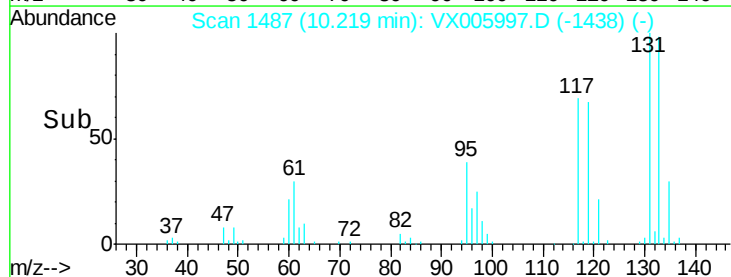
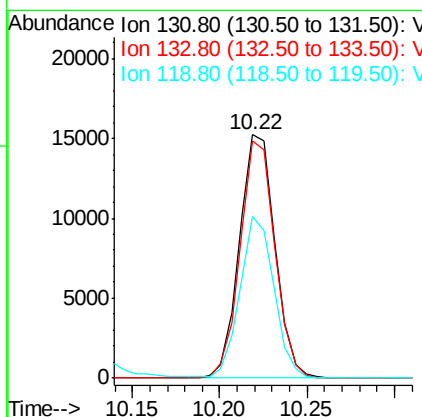
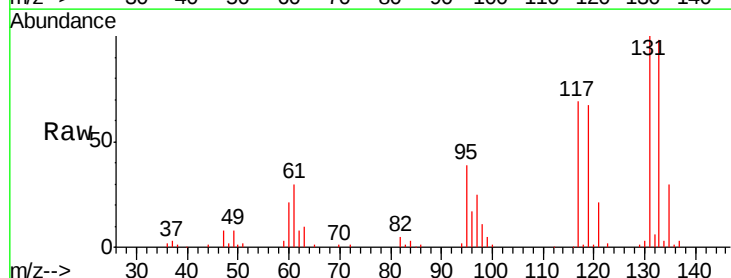
Manual Integrations
APPROVED

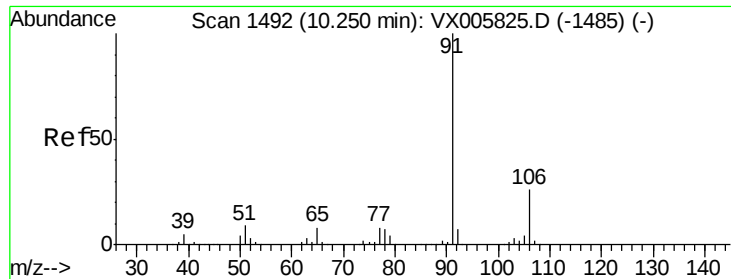
MMDadoda
11/15/2018 1:04:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.35 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:131 Resp: 21535
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 20.15 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 91 Resp: 98308

Ion Ratio Lower Upper

91 100

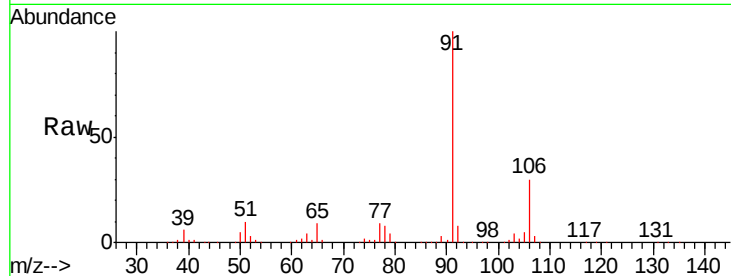
106 30.2 24.4 36.6

Manual Integrations

APPROVED

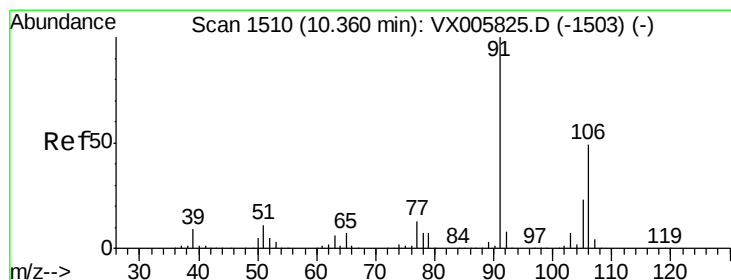
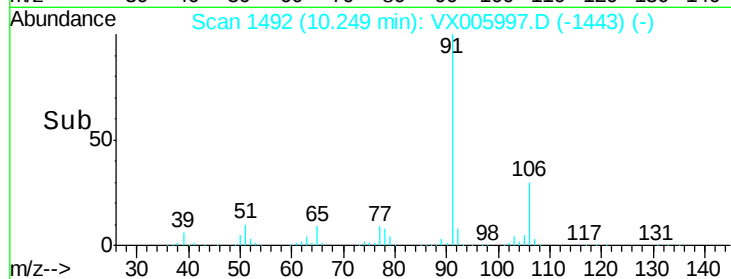
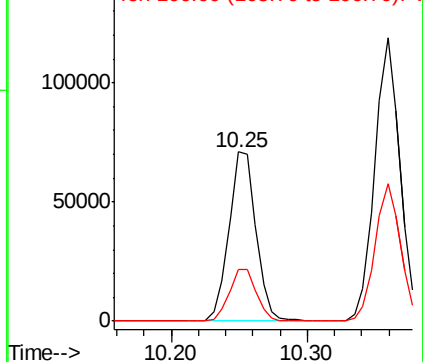
MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)



#68

m/p-Xylenes

Concen: 40.69 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005997.D

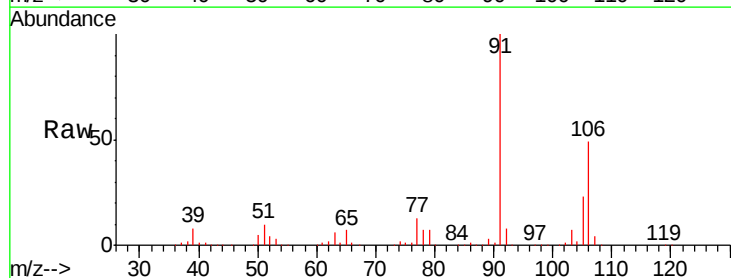
Acq: 15 Nov 2018 02:20

Tgt Ion: 106 Resp: 75737

Ion Ratio Lower Upper

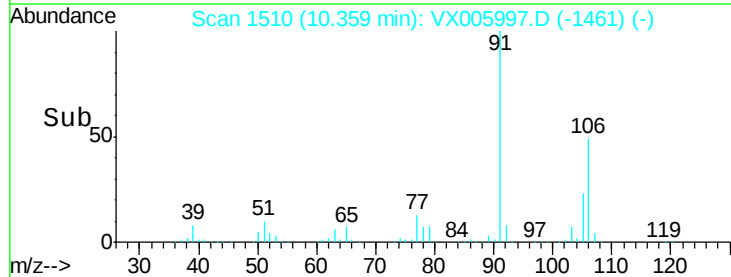
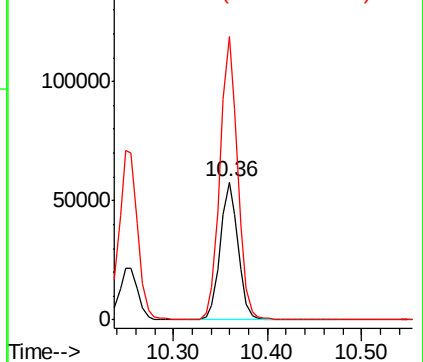
106 100

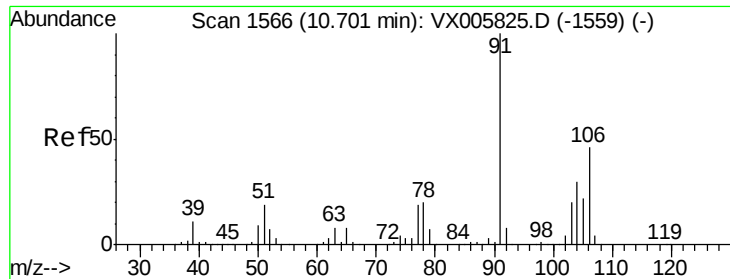
91 203.7 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)





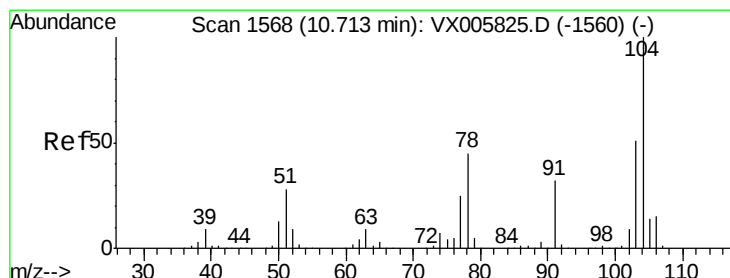
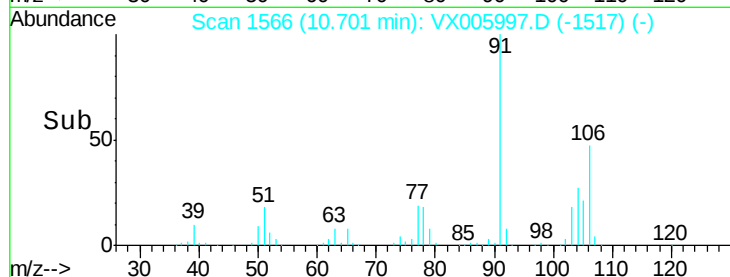
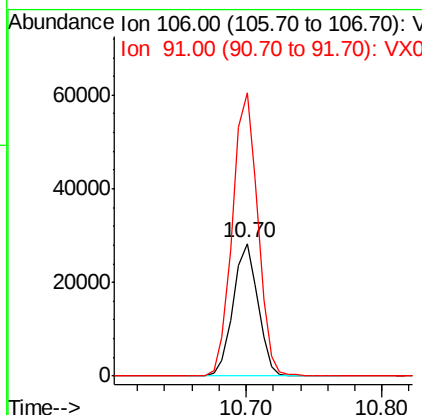
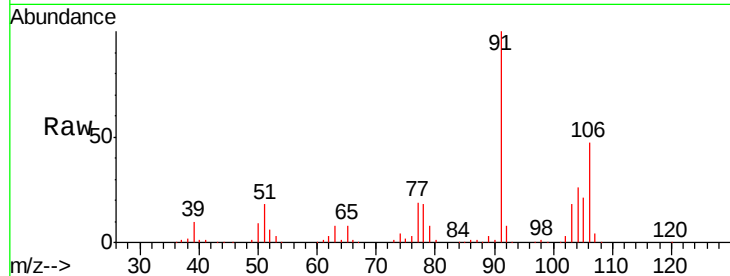
#69
o-Xylene
Concen: 21.52 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampled :
VX1114MBSD02

Tgt Ion:106 Resp: 35922
Ion Ratio Lower Upper
106 100
91 218.8 108.5 325.5

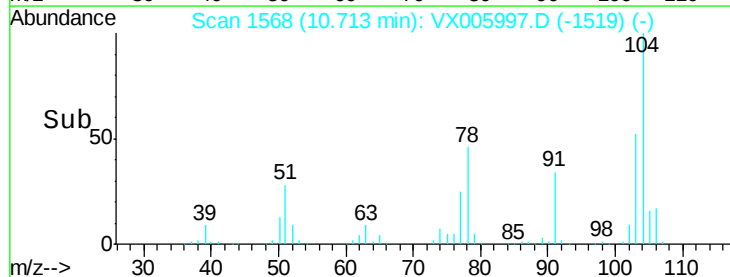
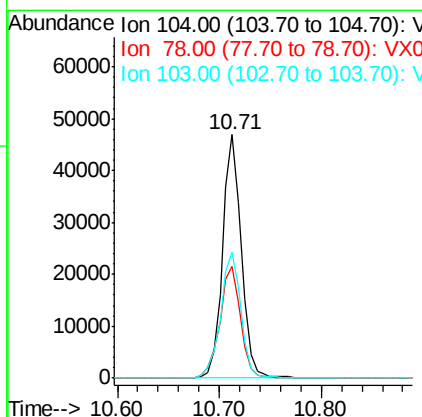
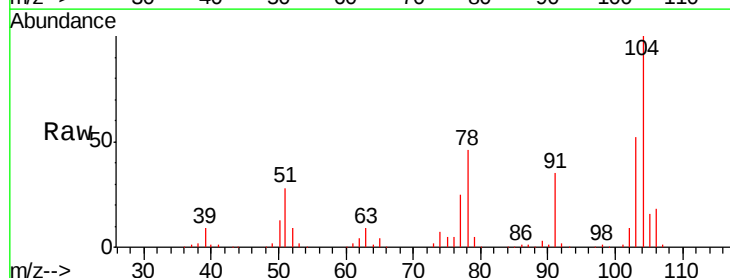
Manual Integrations
APPROVED

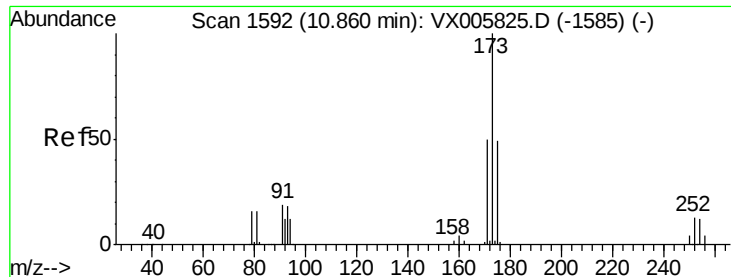
MMDadoda
11/15/2018 1:04:20 PM



#70
Styrene
Concen: 21.77 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:104 Resp: 59936
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 56.3 44.9 67.3





#71

Bromoform

Concen: 20.08 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion:173 Resp: 17807

Ion Ratio Lower Upper

173 100

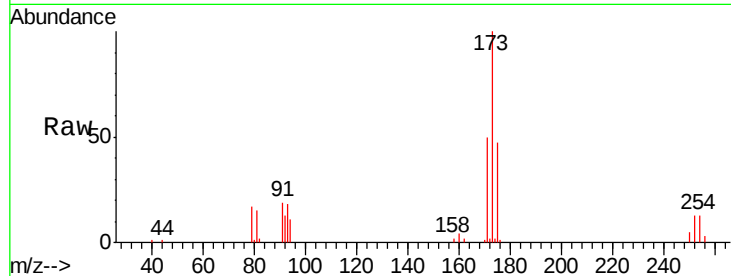
175 49.8 24.8 74.3

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

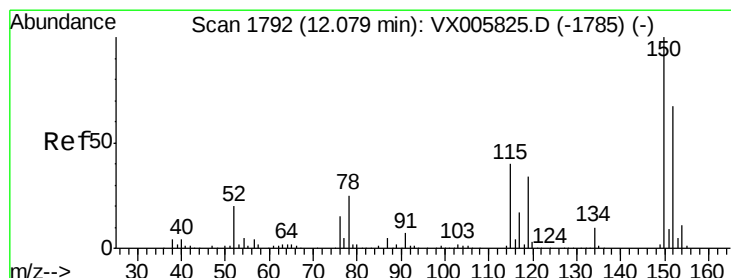
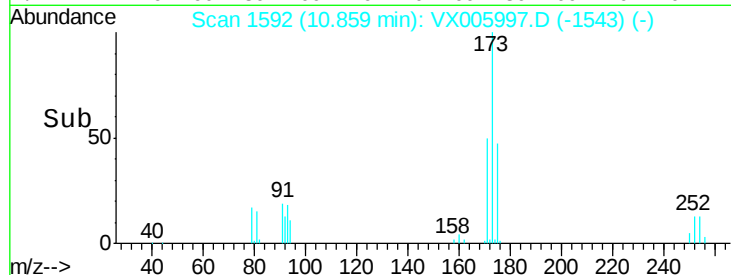
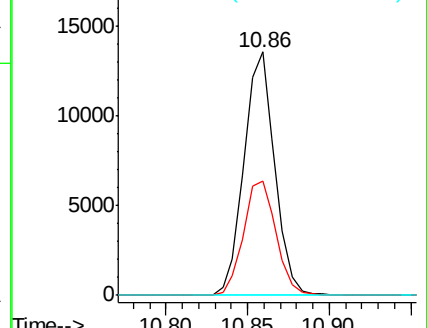
11/15/2018 1:04:20 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

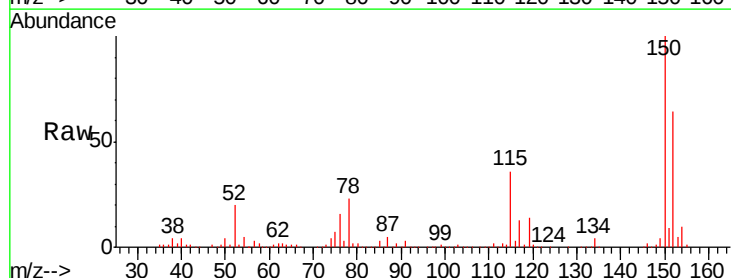
Tgt Ion:152 Resp: 82765

Ion Ratio Lower Upper

152 100

115 63.8 39.4 118.1

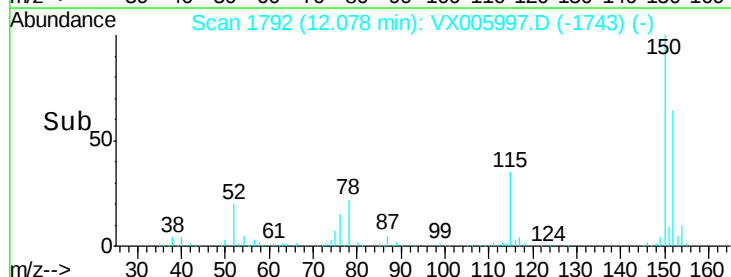
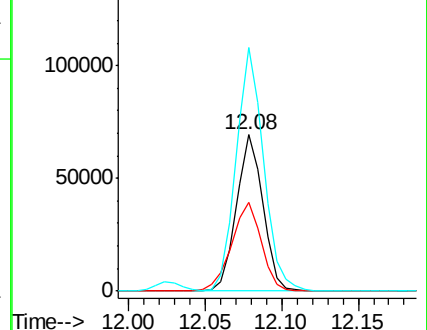
150 162.4 0.0 346.4

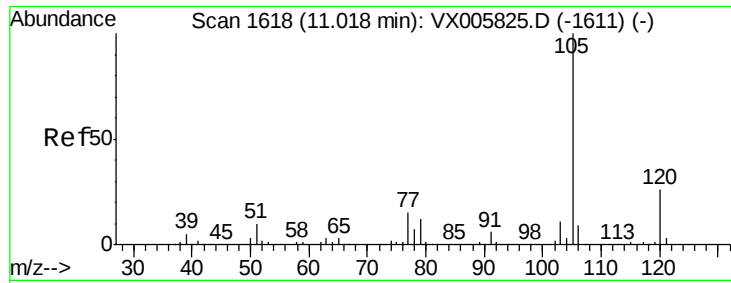


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.77 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

Tgt Ion: 105 Resp: 99389

Ion Ratio Lower Upper

105 100

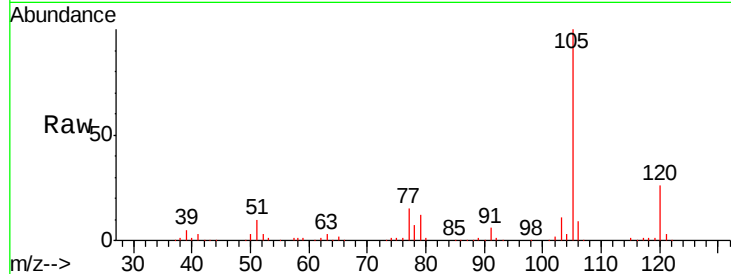
120 26.2 13.1 39.3

Manual Integrations

APPROVED

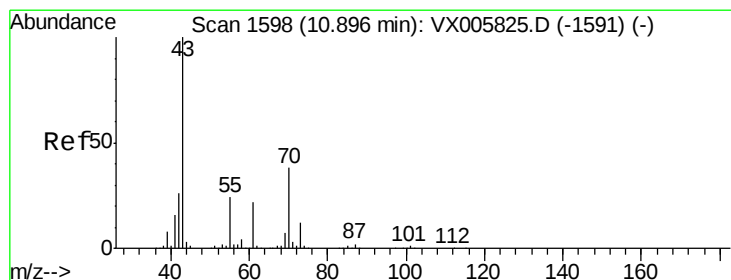
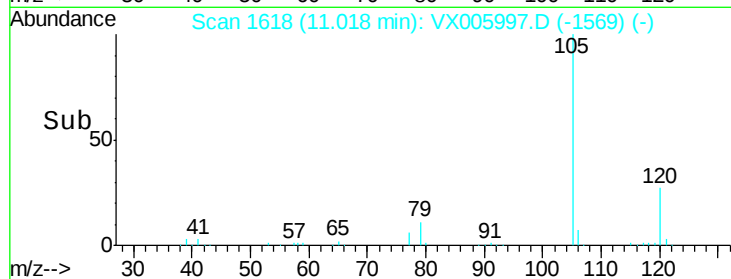
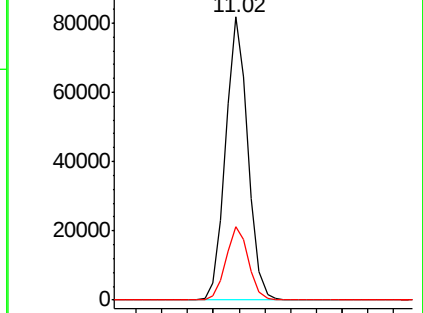
MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.13 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion: 43 Resp: 49246

Ion Ratio Lower Upper

43 100

70 39.6 31.6 47.4

55 24.7 19.7 29.5

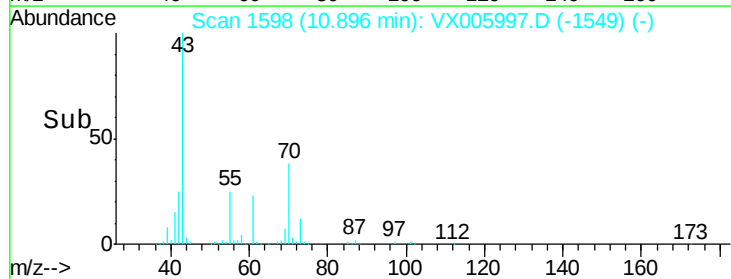
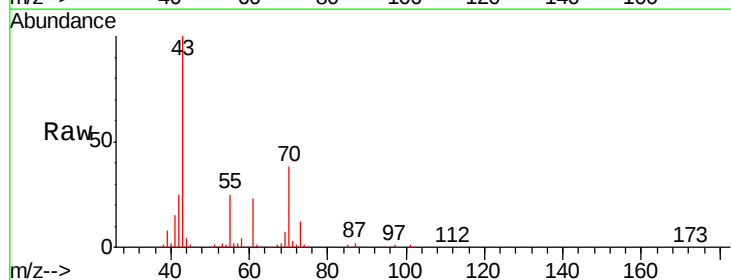
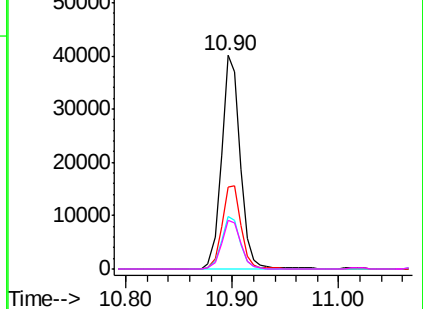
61 22.9 18.3 27.5

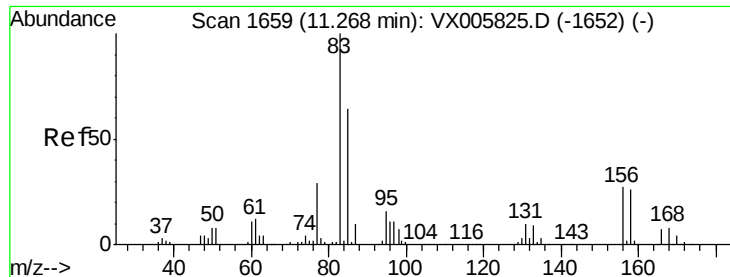
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.17 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

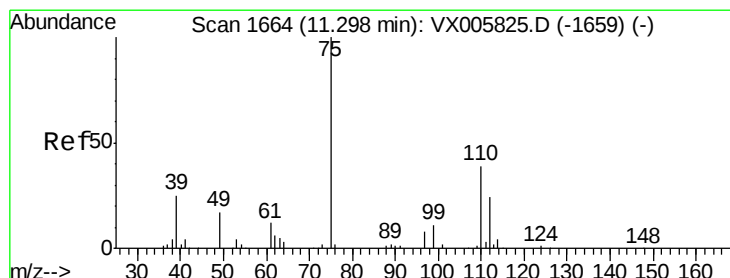
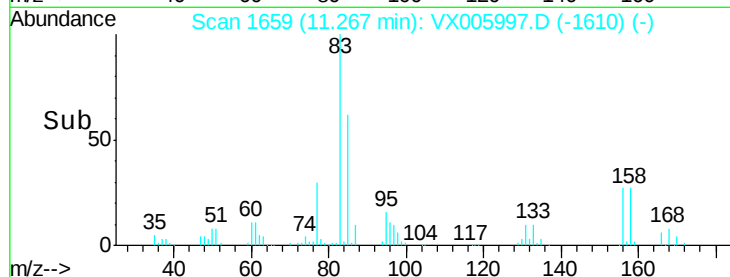
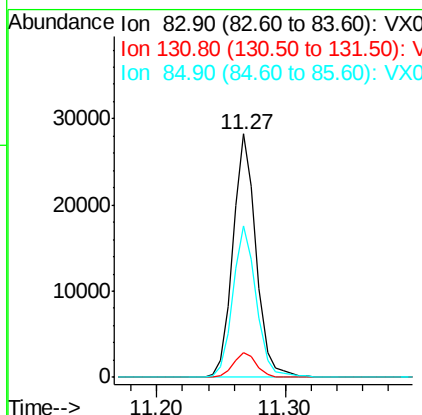
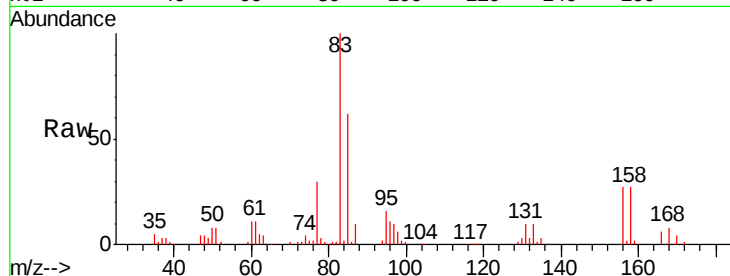
ClientSampleId :

VX1114MBSD02

Tgt Ion:	83	Resp:	35435
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	63.2	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#76

1,2,3-Trichloropropane

Concen: 20.41 ug/l m

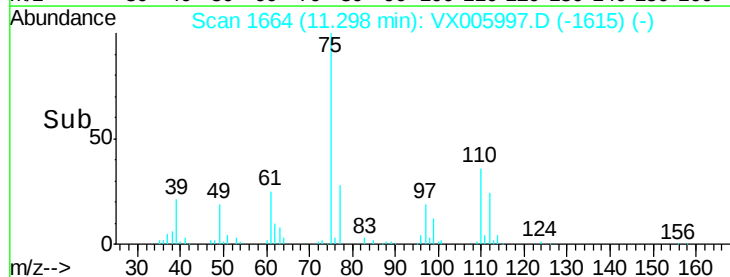
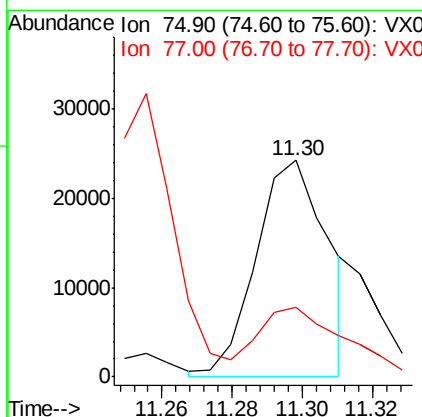
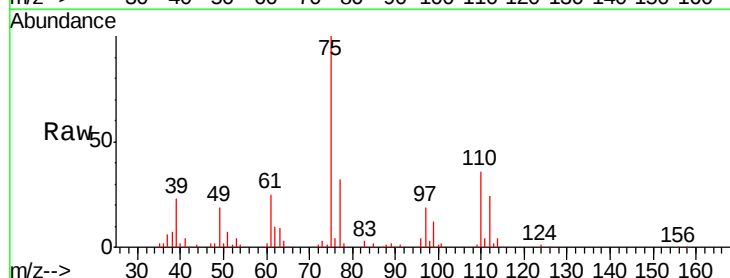
RT: 11.30 min Scan# 1664

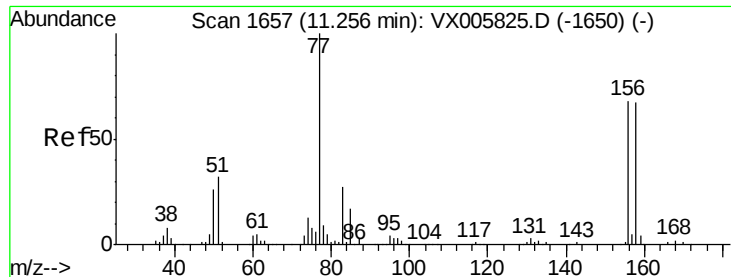
Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	75	Resp:	34402
Ion	Ratio	Lower	Upper
75	100		
77	39.0	20.5	61.6





#77

Bromobenzene

Concen: 19.83 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

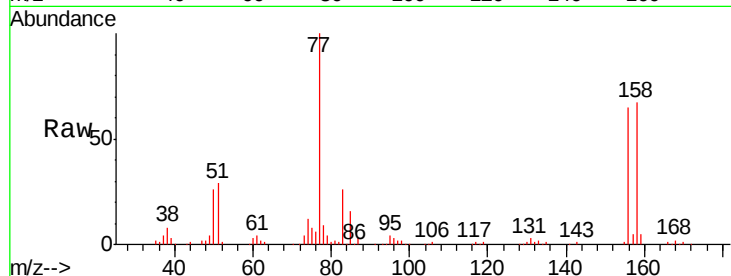
ClientSampleId :

VX1114MBSD02

Tgt Ion:	156	Resp:	26755
Ion Ratio	Lower	Upper	
156	100		
77	152.2	74.8	224.4
158	99.2	49.1	147.3

Manual Integrations
APPROVED

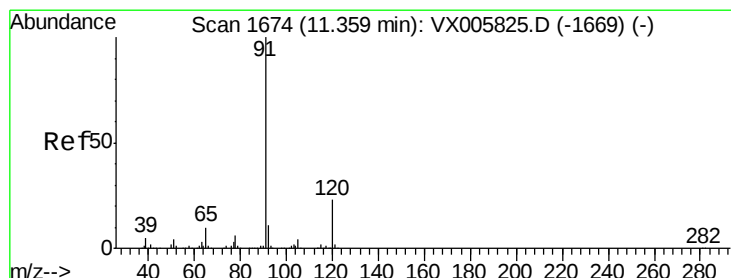
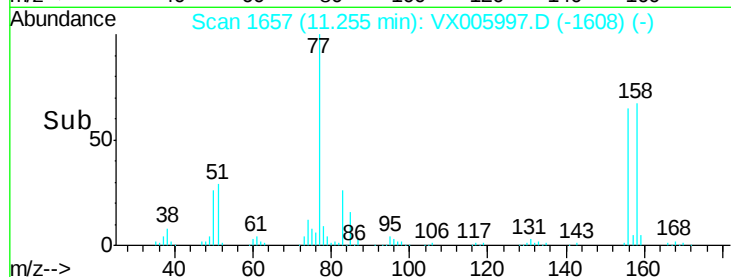
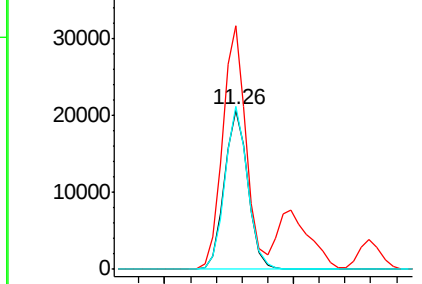
MMDadoda
11/15/2018 1:04:20 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.10 ug/l

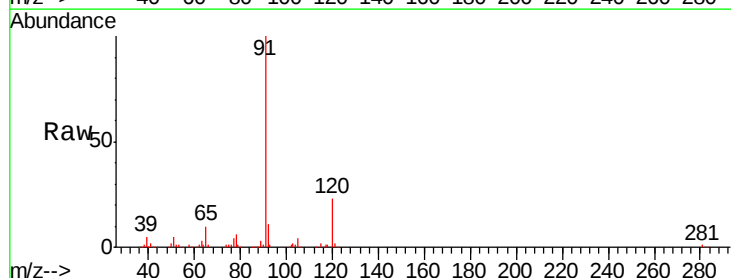
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005997.D

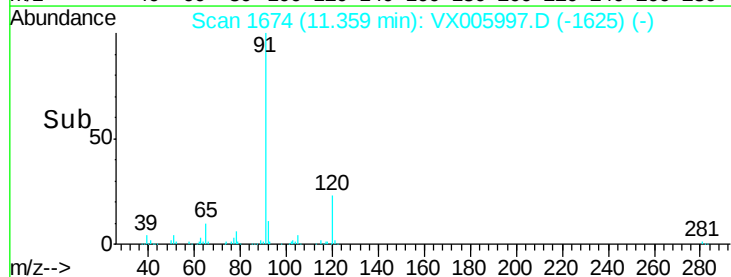
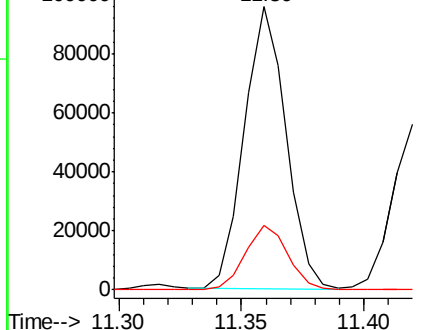
Acq: 15 Nov 2018 02:20

Tgt Ion:	91	Resp:	113372
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.34 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS02

Tgt Ion: 91 Resp: 69348

Ion Ratio Lower Upper

91 100

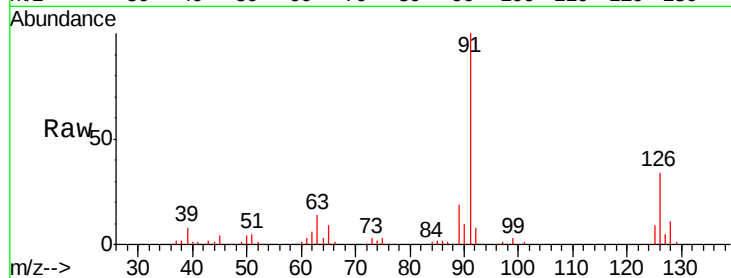
126 34.9 17.3 52.0

Manual Integrations

APPROVED

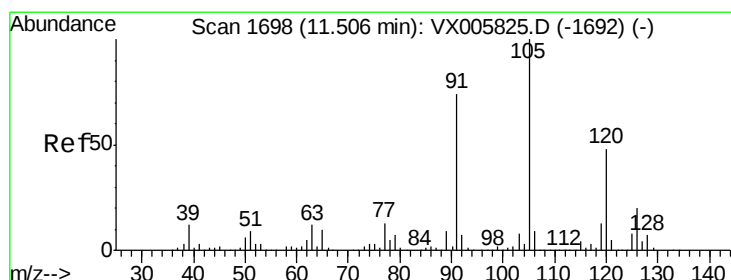
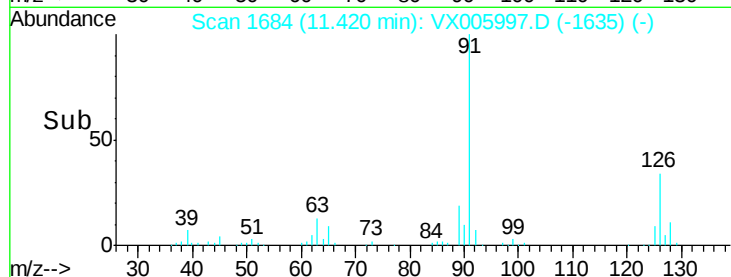
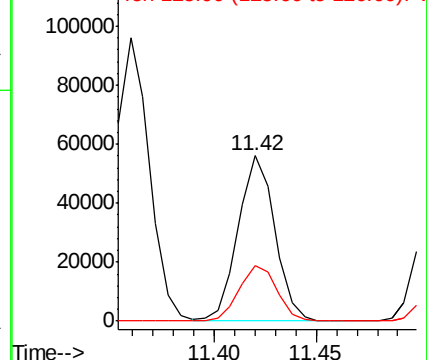
MMDadoda

11/15/2018 1:04:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.72 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005997.D

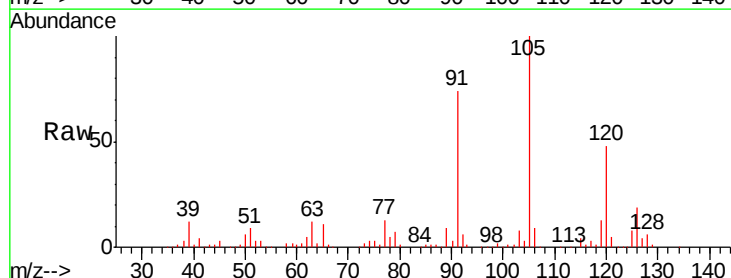
Acq: 15 Nov 2018 02:20

Tgt Ion: 105 Resp: 84291

Ion Ratio Lower Upper

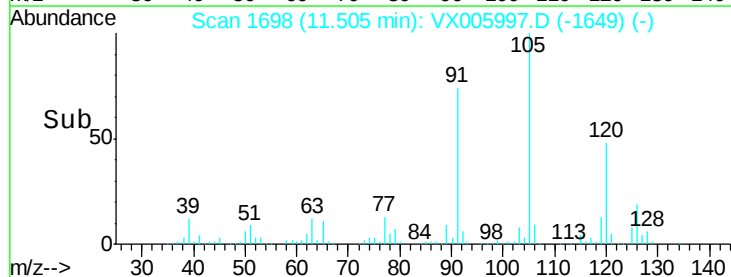
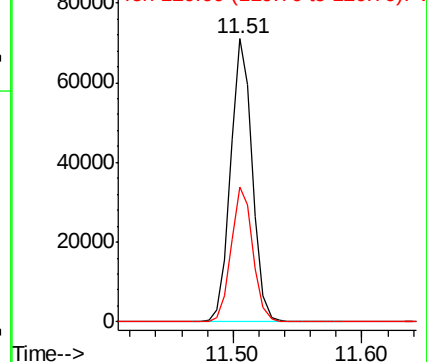
105 100

120 47.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.53 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

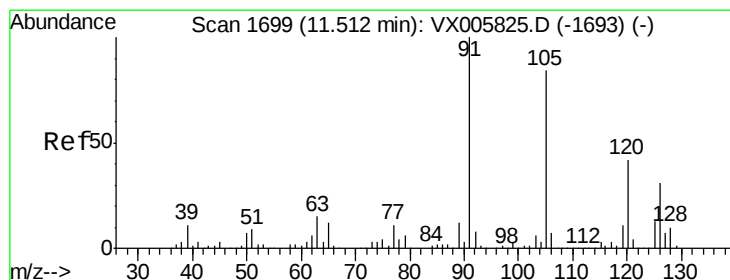
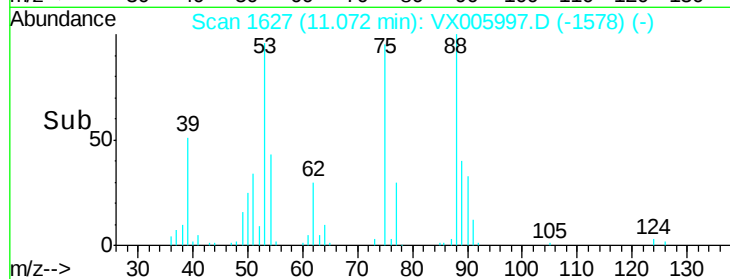
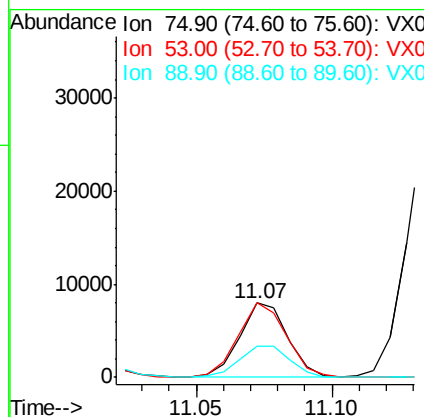
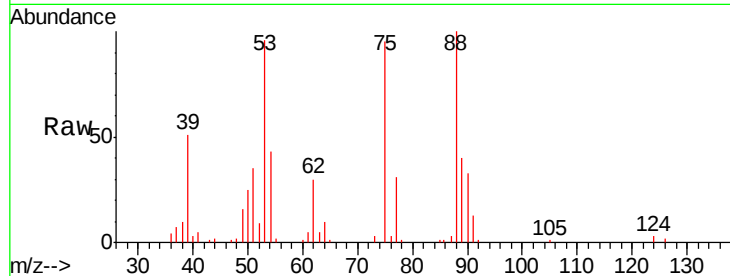
ClientSampleId :

VX1114MBSD02

Tgt Ion:	75	Resp:	9797
Ion	Ratio	Lower	Upper
75	100		
53	101.8	80.2	120.2
89	44.6	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#82

4-Chlorotoluene

Concen: 20.38 ug/l

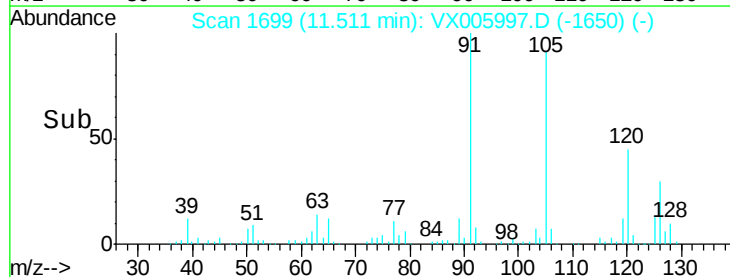
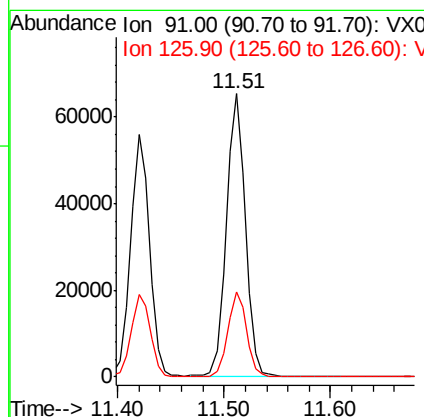
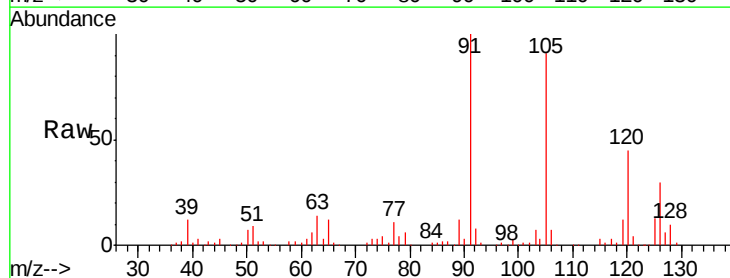
RT: 11.51 min Scan# 1699

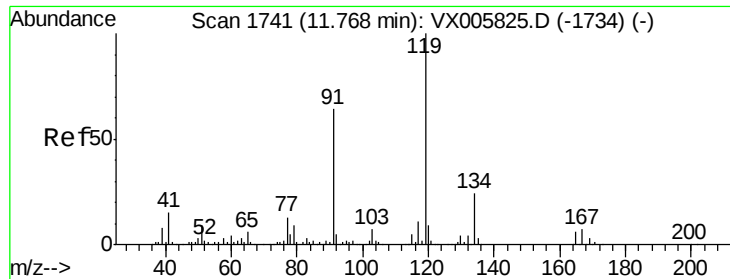
Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	91	Resp:	81907
Ion	Ratio	Lower	Upper
91	100		
126	29.5	15.2	45.6





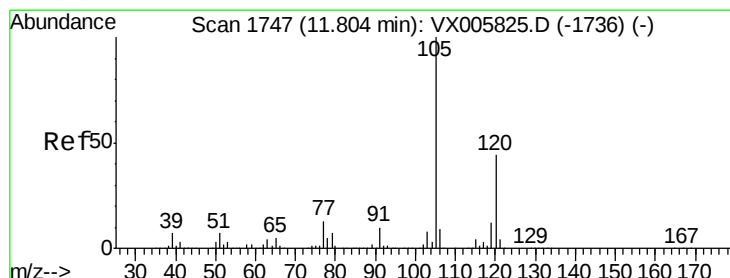
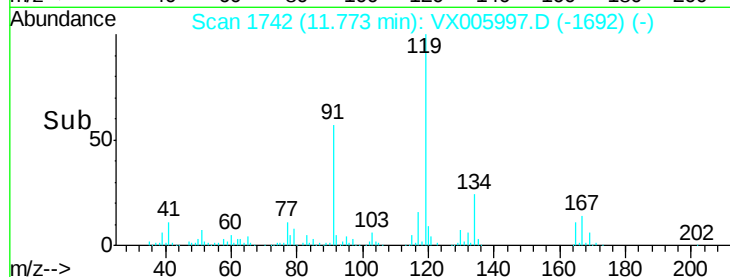
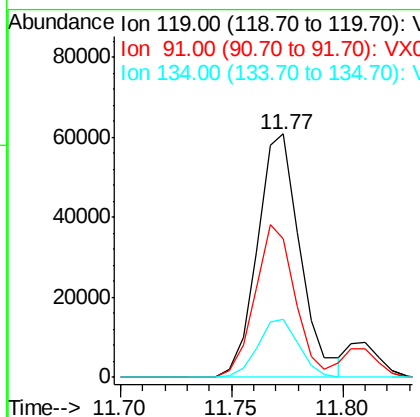
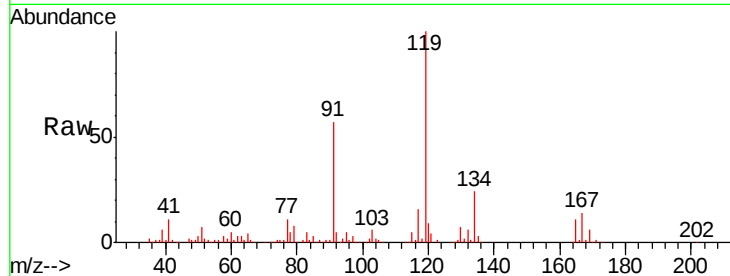
#83
 tert-Butylbenzene
 Concen: 19.78 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.4	28.5	85.5
134	23.0	11.3	33.8

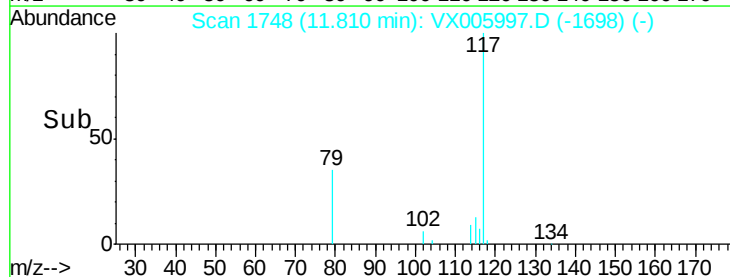
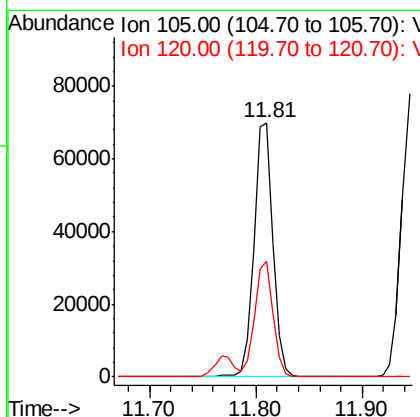
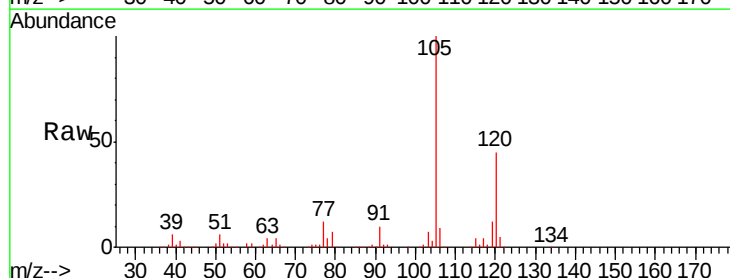
Manual Integrations
 APPROVED

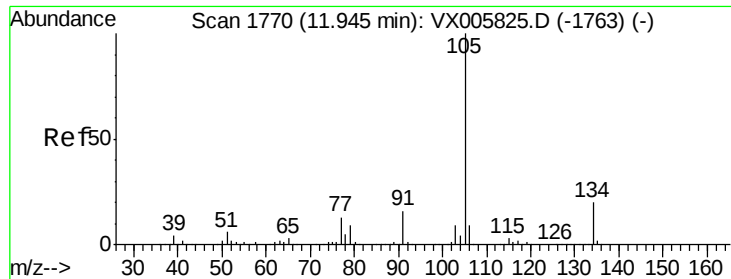
MMDadoda
 11/15/2018 1:04:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.40 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.0





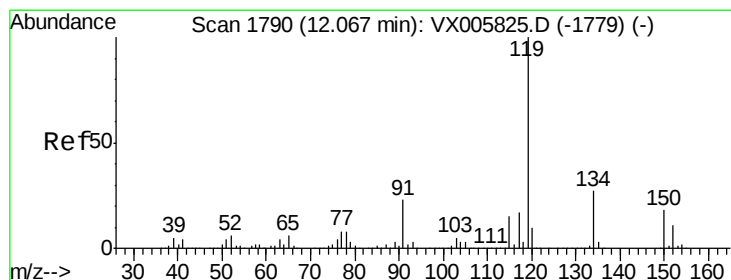
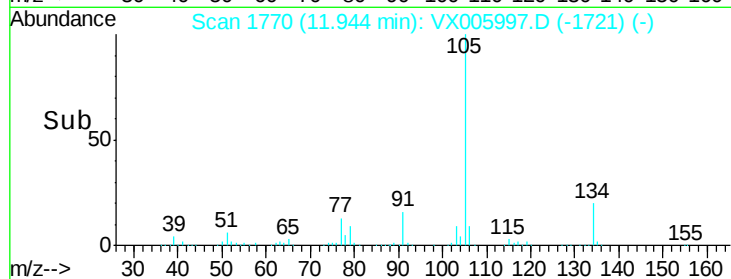
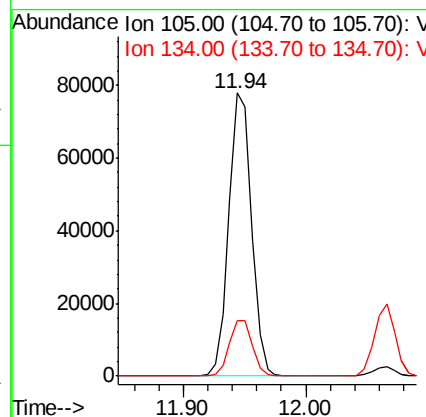
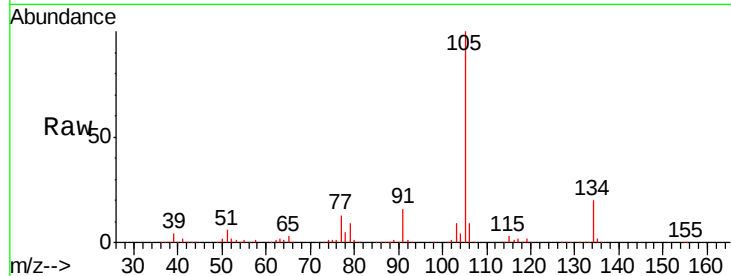
#85
 sec-Butylbenzene
 Concen: 19.78 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion:105 Resp: 99533
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4

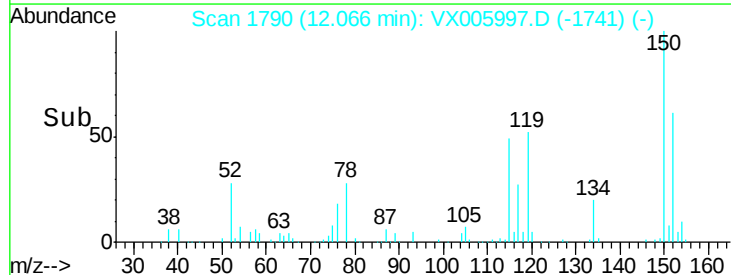
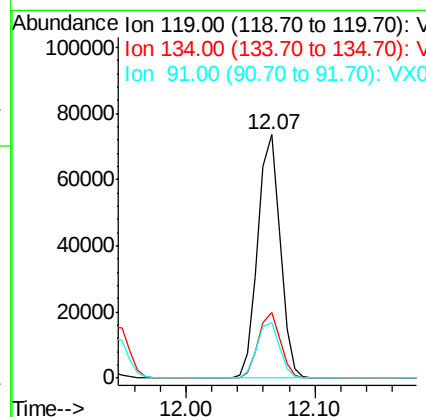
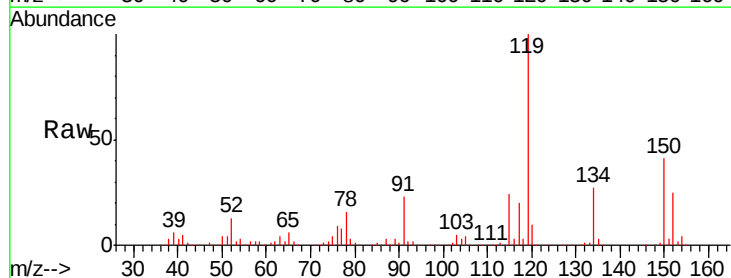
Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:04:20 PM



#86
 p-Isopropyltoluene
 Concen: 19.71 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion:119 Resp: 87851
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.0 39.0
 91 23.4 11.4 34.2





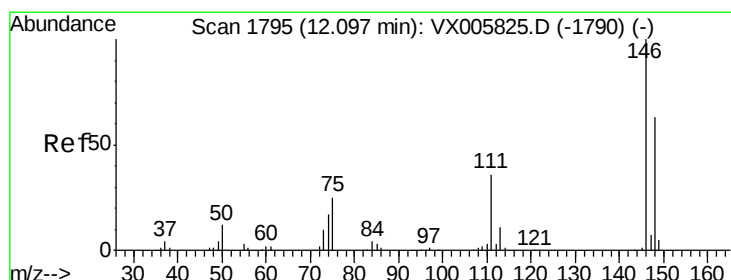
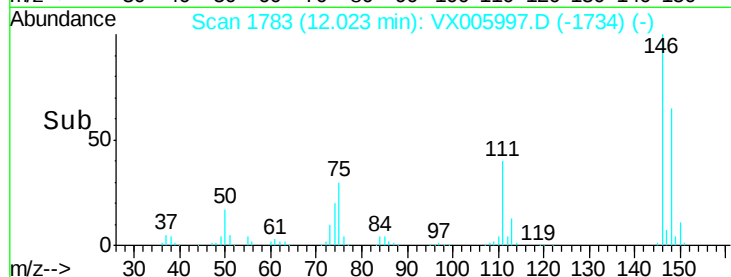
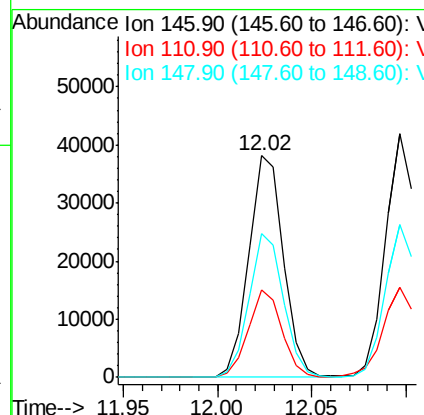
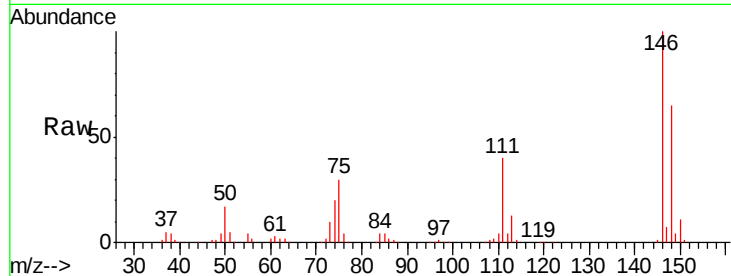
#87
 1,3-Dichlorobenzene
 Concen: 18.81 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	64.4	31.9	95.9

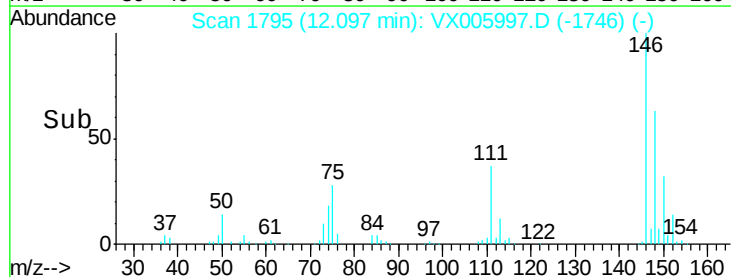
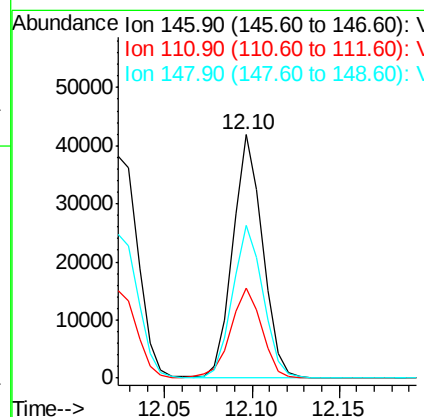
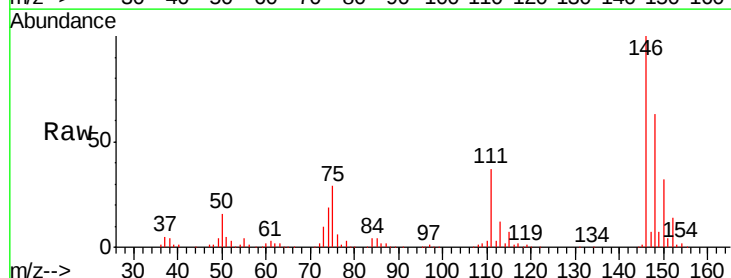
Manual Integrations
 APPROVED

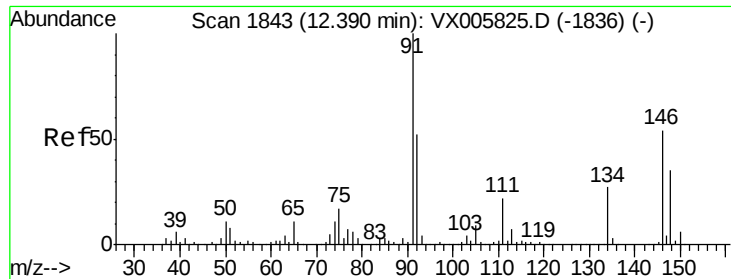
MMDadoda
 11/15/2018 1:04:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.77 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.6	55.8
148	64.4	32.1	96.3





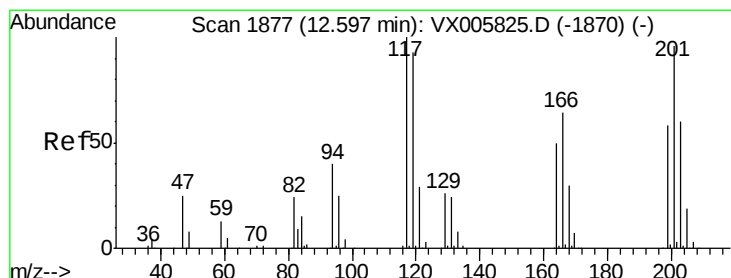
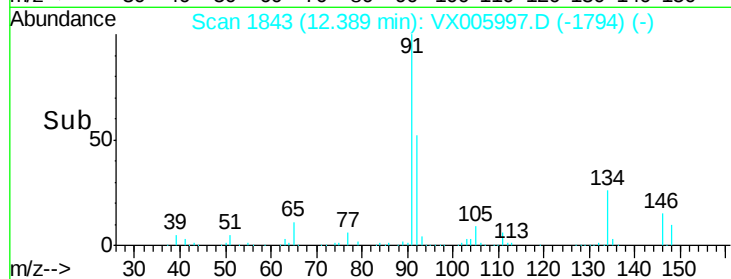
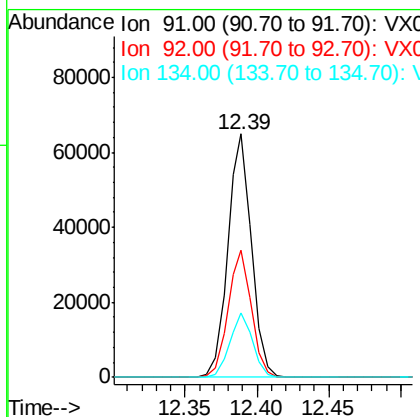
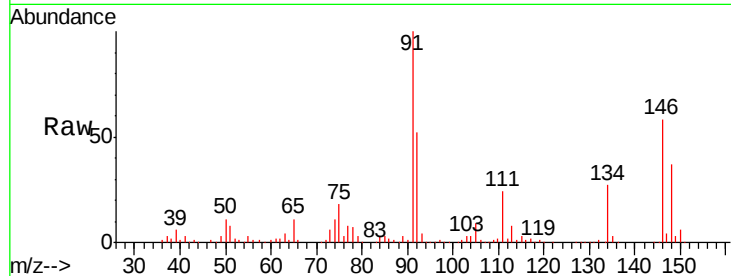
#89
n-Butylbenzene
Concen: 18.09 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tgt Ion: 91 Resp: 74724
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.2
134 25.7 13.1 39.3

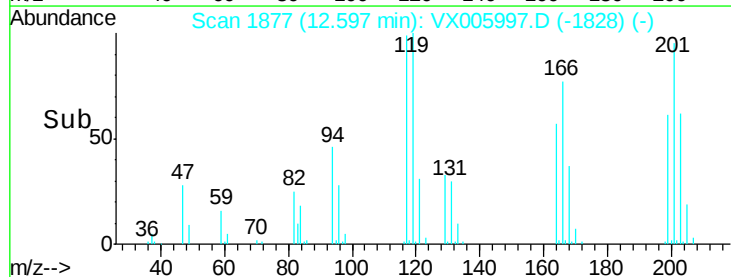
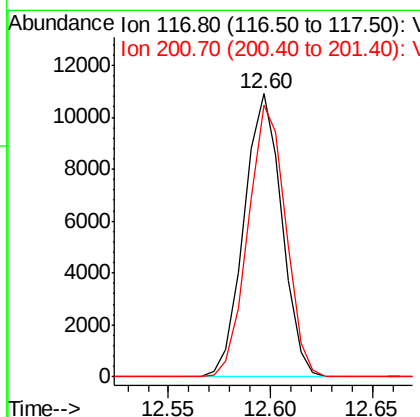
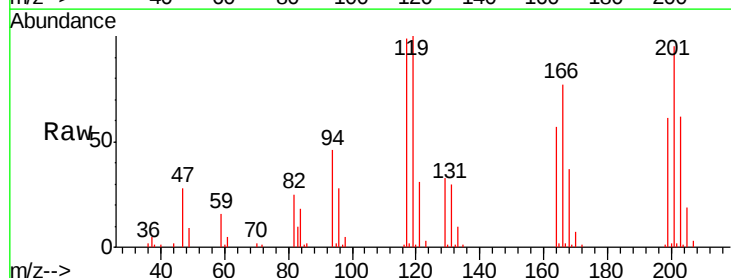
Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#90
Hexachloroethane
Concen: 18.88 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 117 Resp: 14050
Ion Ratio Lower Upper
117 100
201 95.5 47.9 143.6





#91

1,2-Dichlorobenzene

Concen: 19.14 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

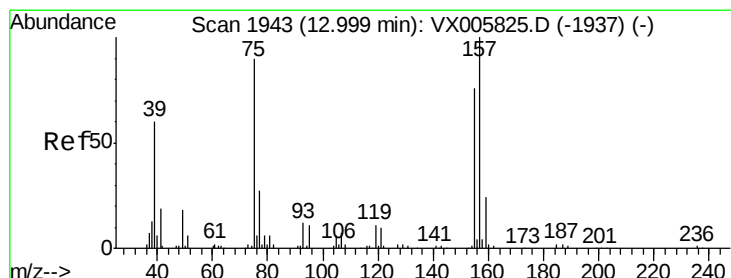
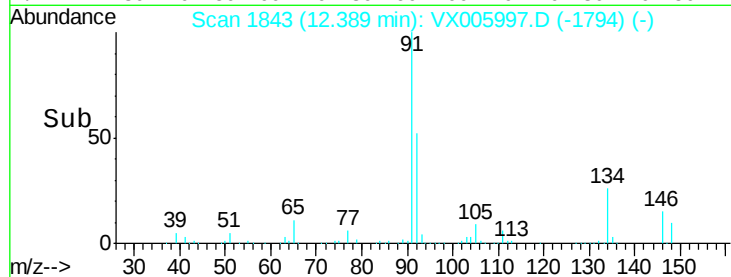
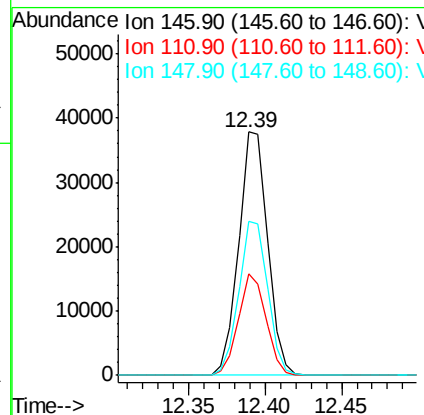
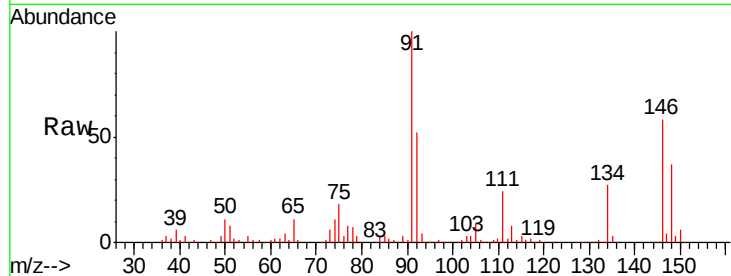
ClientSampleId :

VX1114MBSD02

Tgt Ion:	146	Resp:	49630
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	59.9
148	63.0	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.63 ug/l

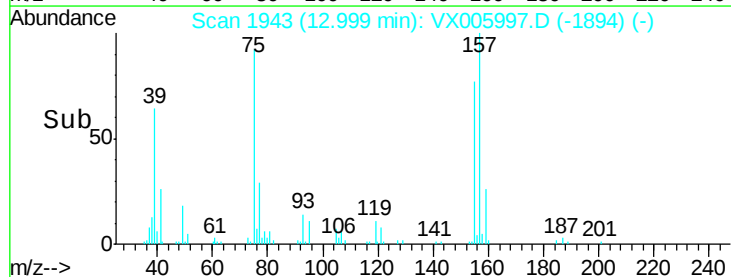
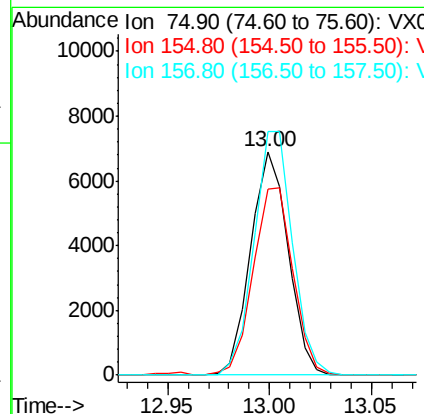
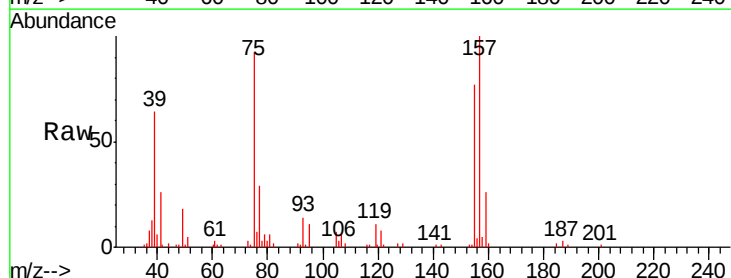
RT: 13.00 min Scan# 1943

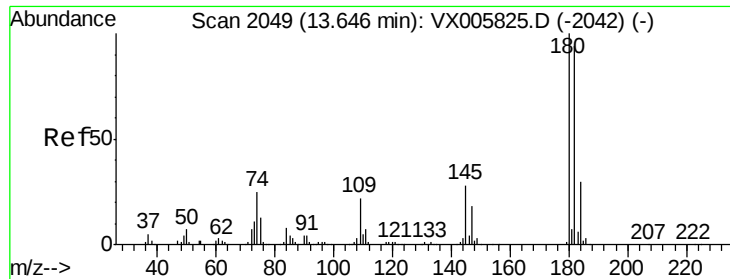
Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	75	Resp:	8846
Ion Ratio	Lower	Upper	
75	100		
155	88.8	45.4	136.1
157	112.1	57.4	172.0





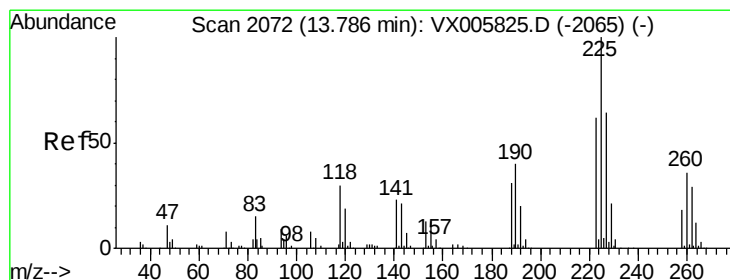
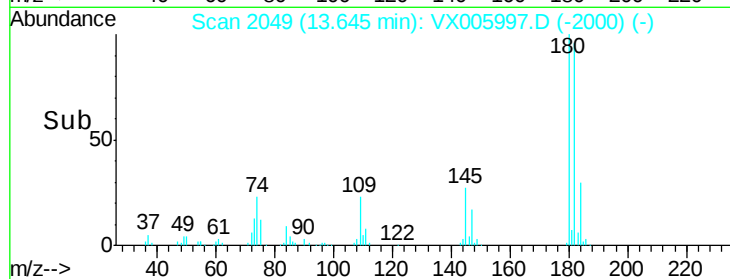
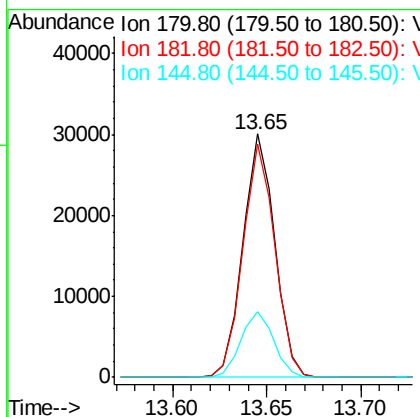
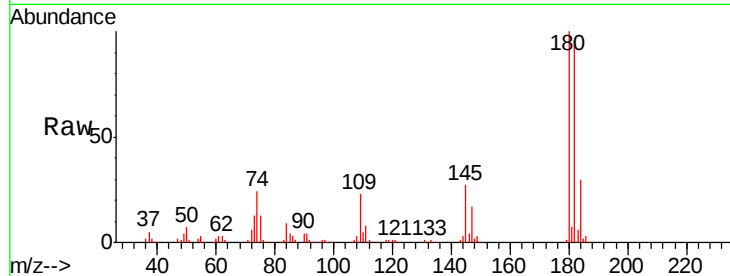
#93
 1,2,4-Trichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	27.7	14.1	42.2

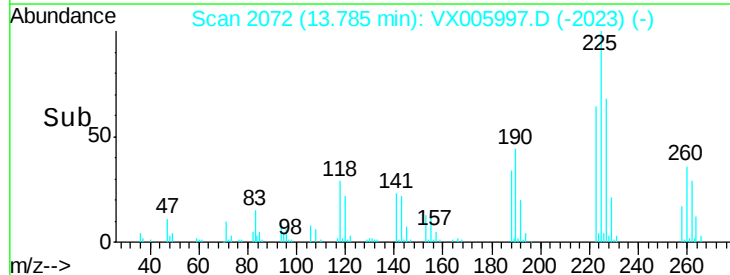
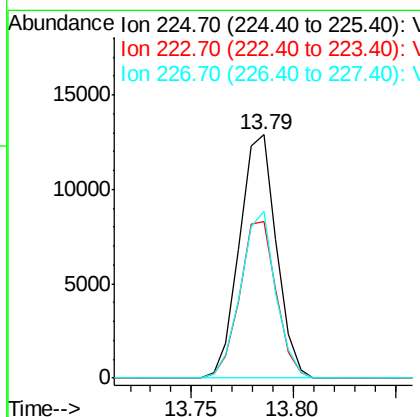
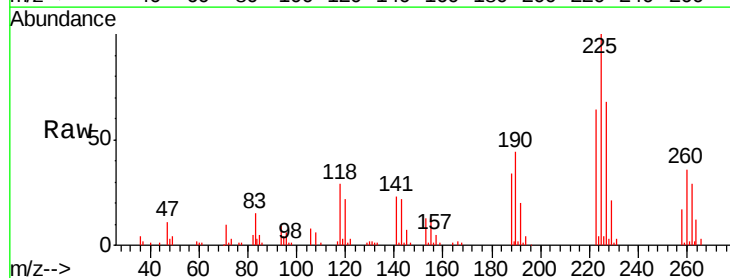
Manual Integrations
 APPROVED

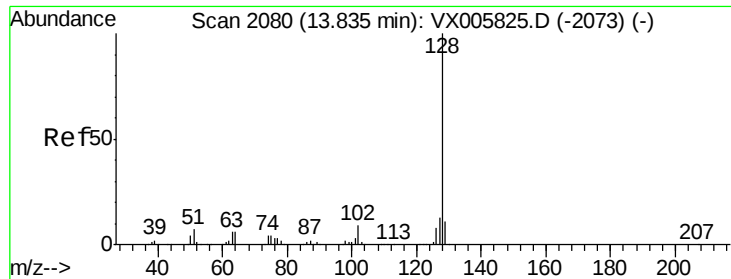
MMDadoda
 11/15/2018 1:04:20 PM



#94
 Hexachlorobutadiene
 Concen: 16.94 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.7	95.1
227	64.4	32.3	96.9





#95

Naphthalene

Concen: 19.15 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

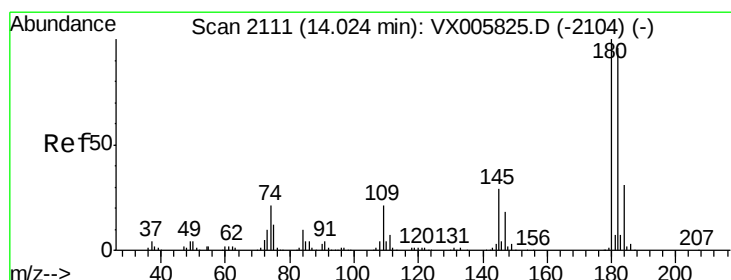
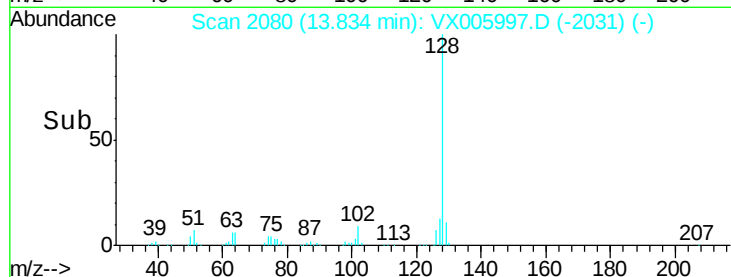
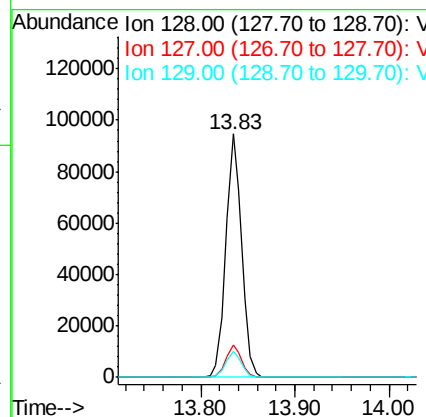
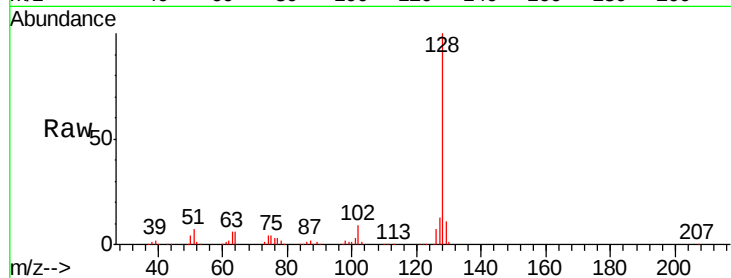
ClientSampleId :

VX1114MBSD02

Tgt Ion:	128	Resp:	109584
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/15/2018 1:04:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.43 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion:	180	Resp:	36146
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.2
145	30.5	15.1	45.3

