

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003831.D
 Acq On : 02 Aug 2018 18:55
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:31 PM

Quant Time: Aug 03 01:43:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	100060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	145332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	137893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75690	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	978	0.89	ug/l	95
3) Chloromethane	1.32	50	2640	1.73	ug/l	99
4) Vinyl Chloride	1.40	62	1257	0.84	ug/l	92
5) Bromomethane	1.64	94	914	1.28	ug/l	96
6) Chloroethane	1.72	64	820	0.92	ug/l	99
7) Trichlorofluoromethane	1.93	101	1861	0.98	ug/l	97
8) Diethyl Ether	2.18	74	748	0.87	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1065	0.92	ug/l	93
12) 1,1-Dichloroethene	2.37	96	1040	0.92	ug/l	85
14) Allyl chloride	2.73	41	2062	0.88	ug/l	89
15) Acrylonitrile	3.15	53	3758	4.45	ug/l	99
16) Acetone	2.45	43	4199	5.91	ug/l	97
17) Carbon Disulfide	2.57	76	3018	0.93	ug/l #	94
18) Methyl Acetate	2.78	43	2011	0.98	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	3642	0.90	ug/l	97
20) Methylene Chloride	2.86	84	1449	1.06	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	1213	0.99	ug/l	86
22) Diisopropyl ether	3.87	45	3941	0.91	ug/l	96
23) Vinyl Acetate	3.82	43	14642	3.95	ug/l	100
24) 1,1-Dichloroethane	3.70	63	2154	0.88	ug/l #	90
25) 2-Butanone	4.71	43	6477	5.77	ug/l	95
26) 2,2-Dichloropropane	4.59	77	1485	0.97	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	1338	0.98	ug/l #	6
28) Bromochloromethane	5.02	49	906	0.89	ug/l #	95
29) Tetrahydrofuran	5.18	42	3243	4.66	ug/l	93
30) Chloroform	5.21	83	2291	1.01	ug/l	87
31) Cyclohexane	5.58	56	1616	0.85	ug/l #	93
32) 1,1,1-Trichloroethane	5.49	97	1709	0.92	ug/l #	46
36) 1,1-Dichloropropene	5.80	75	1671	1.01	ug/l	96
37) Ethyl Acetate	4.87	43	2020	1.00	ug/l #	69
38) Carbon Tetrachloride	5.78	117	1551	0.97	ug/l	90
39) Methylcyclohexane	7.46	83	1744	0.99	ug/l	94
40) Benzene	6.15	78	5037	1.01	ug/l	96
41) Methacrylonitrile	5.07	41	1021	0.91	ug/l #	91

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Manual Integrations
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MMDadoda
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Quant Time: Aug 03 01:43:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	1669	0.95	ug/l	93
43) Isopropyl Acetate	6.47	43	2703	0.91	ug/l	96
44) Trichloroethene	7.22	130	1330	0.99	ug/l	96
45) 1,2-Dichloropropane	7.52	63	1235	0.95	ug/l #	84
46) Dibromomethane	7.67	93	815	0.97	ug/l	98
47) Bromodichloromethane	7.90	83	1525	0.97	ug/l #	98
48) Methyl methacrylate	7.78	41	1288	0.86	ug/l	91
49) 1,4-Dioxane	7.77	88	654	19.40	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	10467	5.03	ug/l	95
52) Toluene	8.79	92	2700	0.87	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1494	0.86	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	1574	0.83	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	1313	1.02	ug/l	96
56) Ethyl methacrylate	9.19	69	1363	0.72	ug/l #	87
57) 1,3-Dichloropropane	9.38	76	2032	0.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	3642	3.80	ug/l	97
59) 2-Hexanone	9.50	43	7644	4.79	ug/l	89
60) Dibromochloromethane	9.59	129	1090	0.89	ug/l	99
61) 1,2-Dibromoethane	9.68	107	1224	0.91	ug/l	99
64) Tetrachloroethene	9.34	164	1436	1.16	ug/l	92
65) Chlorobenzene	10.14	112	3621	1.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	1143	0.95	ug/l #	66
67) Ethyl Benzene	10.26	91	5020	0.88	ug/l	98
68) m/p-Xylenes	10.36	106	3796	1.72	ug/l	98
69) o-Xylene	10.70	106	1831	0.86	ug/l	96
70) Styrene	10.71	104	2683	0.75	ug/l	96
71) Bromoform	10.86	173	900	0.93	ug/l #	96
73) Isopropylbenzene	11.02	105	4640	0.92	ug/l	98
74) N-amyl acetate	6.47	43	2703	1.02	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	1940	1.02	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	1696m	1.07	ug/l	
77) Bromobenzene	11.26	156	1388	0.99	ug/l	92
78) n-propylbenzene	11.36	91	5032	0.86	ug/l	98
79) 2-Chlorotoluene	11.42	91	3348	0.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	3463	0.80	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	432	0.85	ug/l	86
82) 4-Chlorotoluene	11.51	91	3635	0.86	ug/l	97
83) tert-Butylbenzene	11.77	119	3775	0.90	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	3520	0.79	ug/l	98
85) sec-Butylbenzene	11.95	105	4126	0.83	ug/l	100
86) p-Isopropyltoluene	12.07	119	3607	0.80	ug/l	92
87) 1,3-Dichlorobenzene	12.03	146	2674	1.02	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	2806m	1.03	ug/l	
89) n-Butylbenzene	12.39	91	3279	0.82	ug/l	97
90) Hexachloroethane	12.60	117	649	0.94	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	2742	1.03	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	423	1.06	ug/l	78
93) 1,2,4-Trichlorobenzene	13.65	180	1745	0.92	ug/l	99
94) Hexachlorobutadiene	13.79	225	1007	1.17	ug/l	95
95) Naphthalene	13.83	128	4411	0.77	ug/l	99

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ClientSampleId :
VSTDICC001

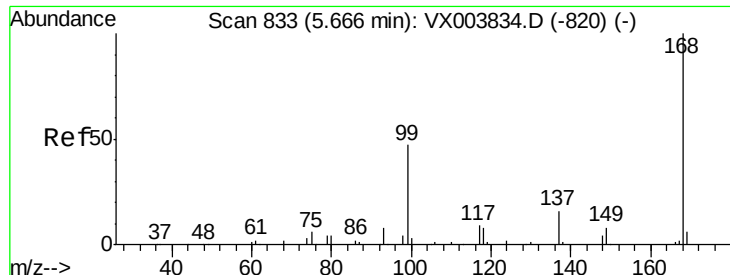
Manual Integrations
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8/6/2018 1:35:31 PM

Quant Time: Aug 03 01:43:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 03 01:37:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	1879	0.97	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 100060

Ion Ratio Lower Upper

168 100

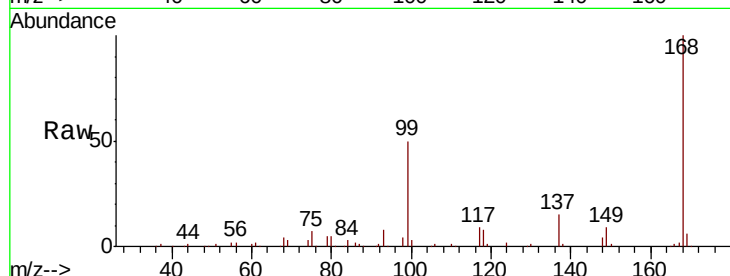
99 49.6 38.1 57.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

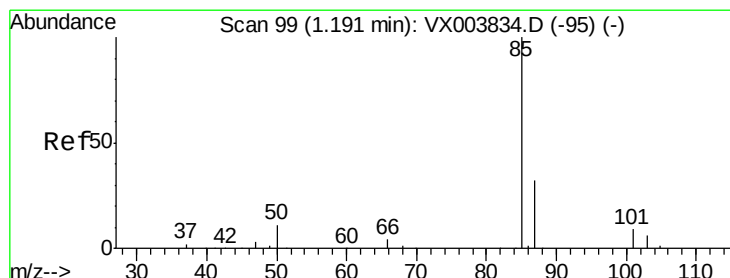
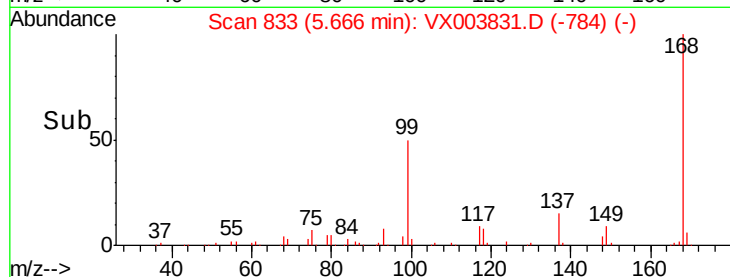
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.89 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX003831.D

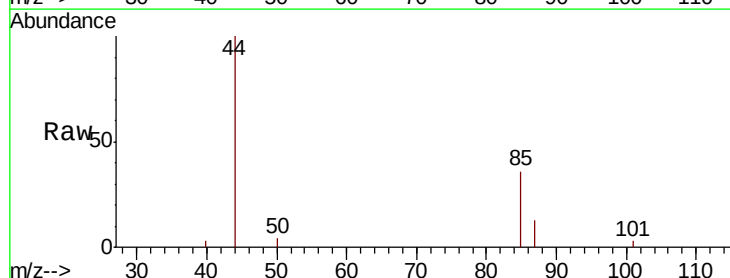
Acq: 02 Aug 2018 18:55

Tgt Ion: 85 Resp: 978

Ion Ratio Lower Upper

85 100

87 34.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

1000

800

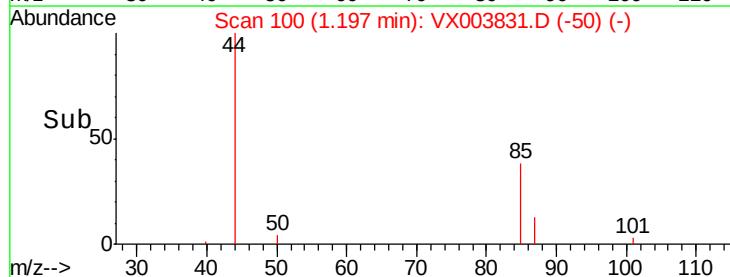
600

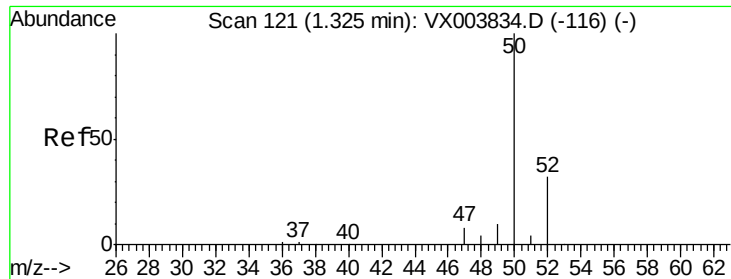
400

200

0

Time--> 1.15 1.20





#3

Chloromethane

Concen: 1.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2640

Ion Ratio Lower Upper

50 100

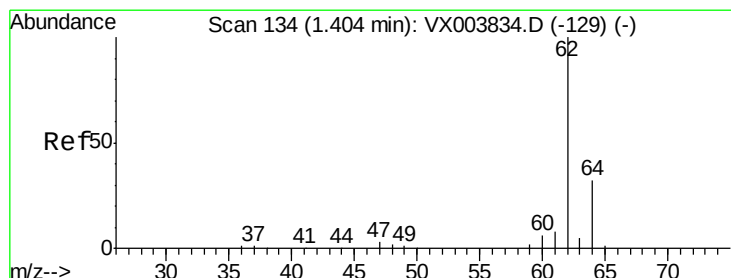
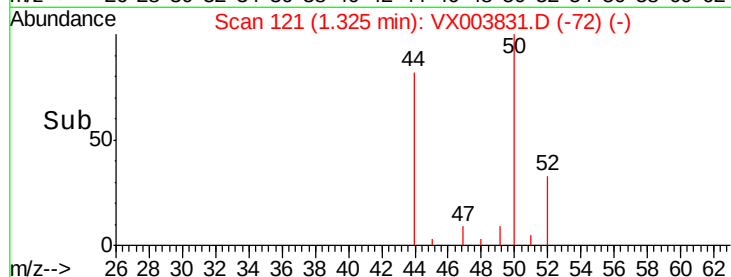
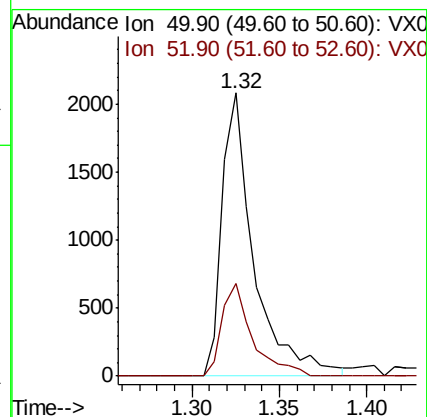
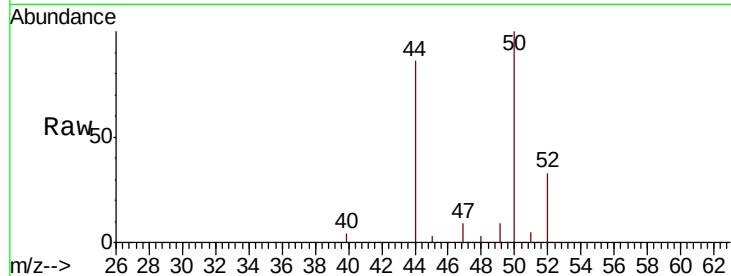
52 32.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.84 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003831.D

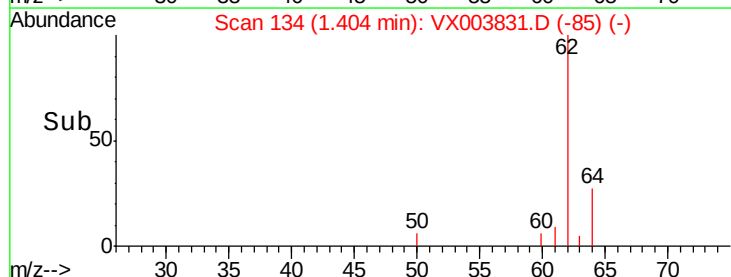
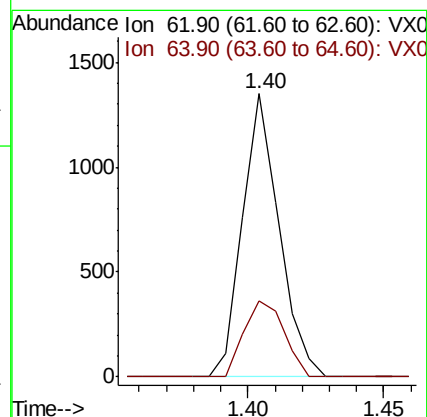
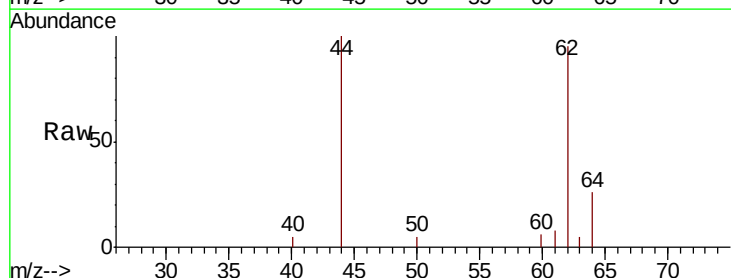
Acq: 02 Aug 2018 18:55

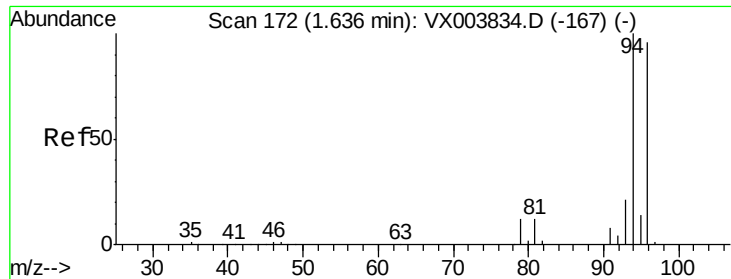
Tgt Ion: 62 Resp: 1257

Ion Ratio Lower Upper

62 100

64 27.0 25.3 37.9





#5

Bromomethane

Concen: 1.28 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 914

Ion Ratio Lower Upper

94 100

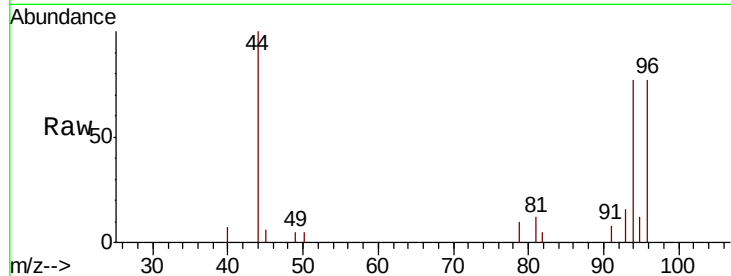
96 100.4 76.9 115.3

Manual Integrations

APPROVED

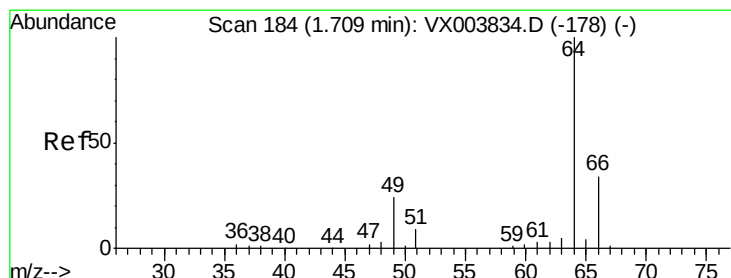
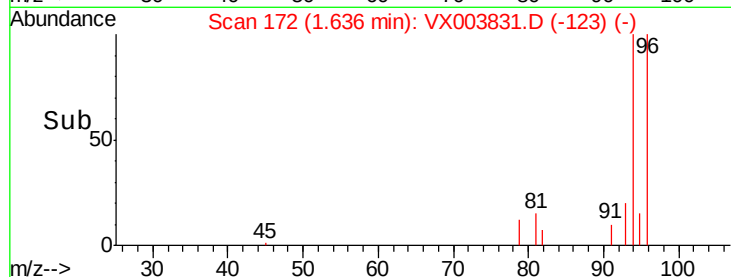
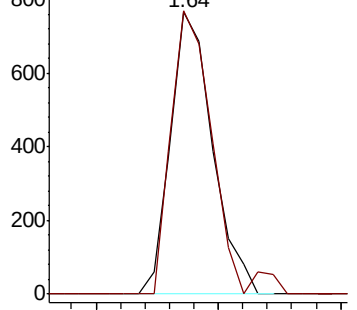
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.92 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003831.D

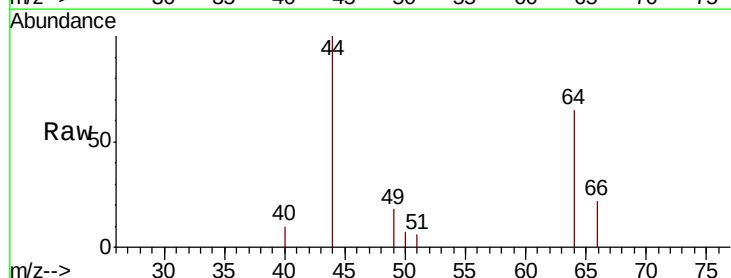
Acq: 02 Aug 2018 18:55

Tgt Ion: 64 Resp: 820

Ion Ratio Lower Upper

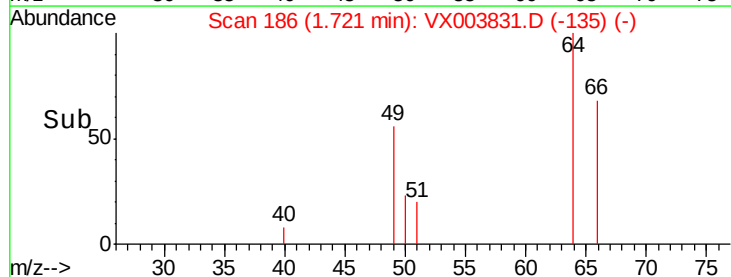
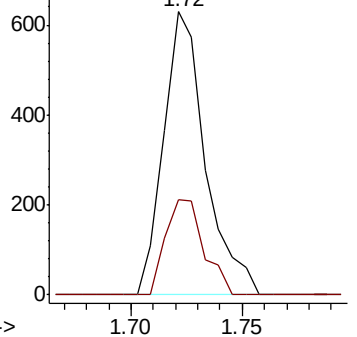
64 100

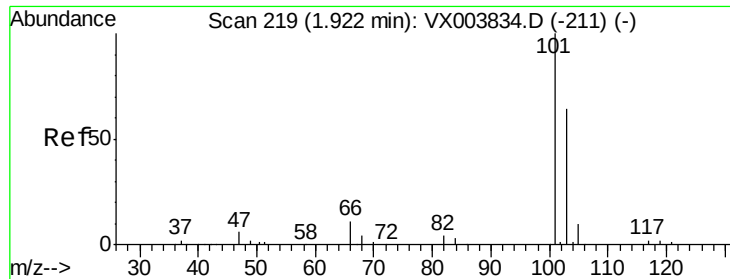
66 33.7 27.2 40.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

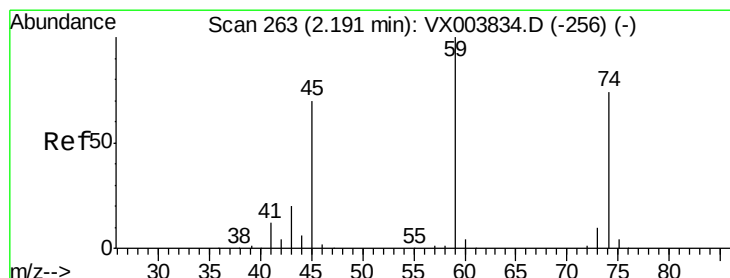
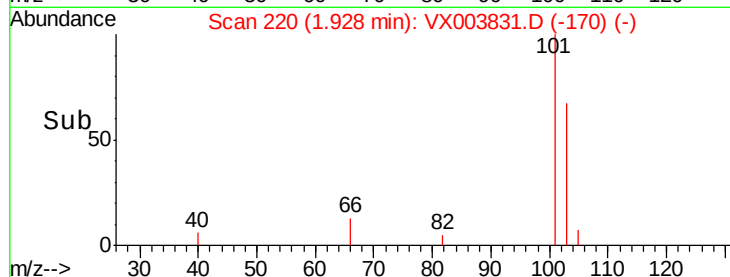
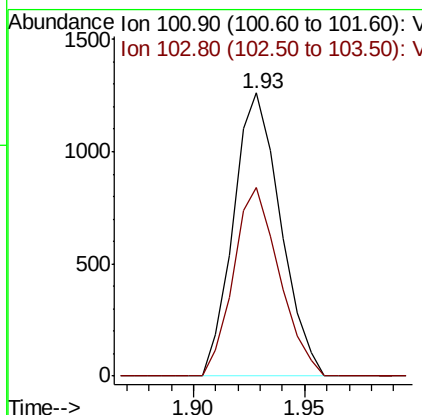
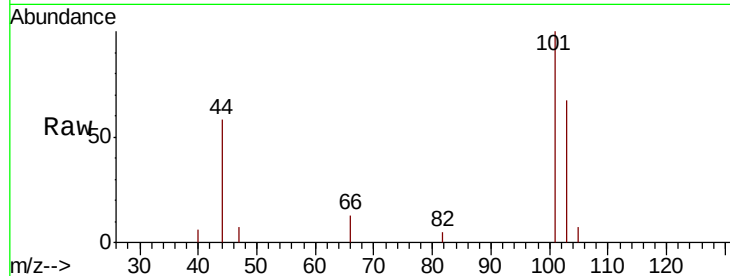
Trichlorofluoromethane
Concen: 0.98 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tot Ion:101 Resp: 1861
Ion Ratio Lower Upper
101 100
103 66.9 51.4 77.0

Manual Integrations
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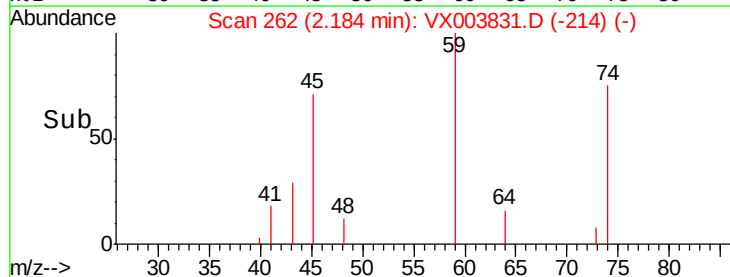
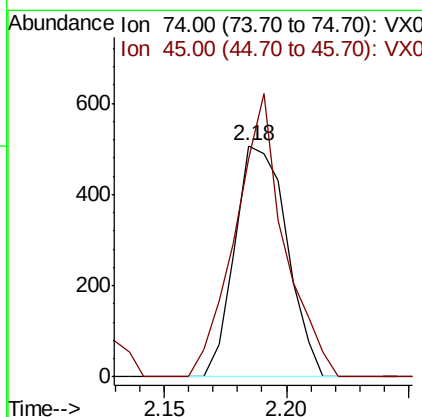
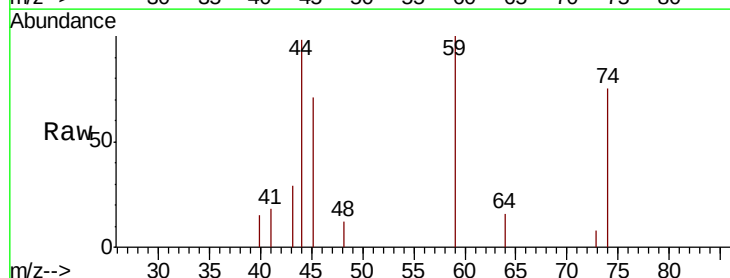
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8/6/2018 1:35:31 PM

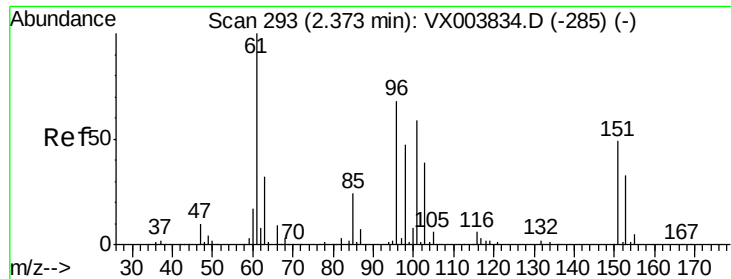


#8

Diethyl Ether
Concen: 0.87 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion: 74 Resp: 748
Ion Ratio Lower Upper
74 100
45 115.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.92 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

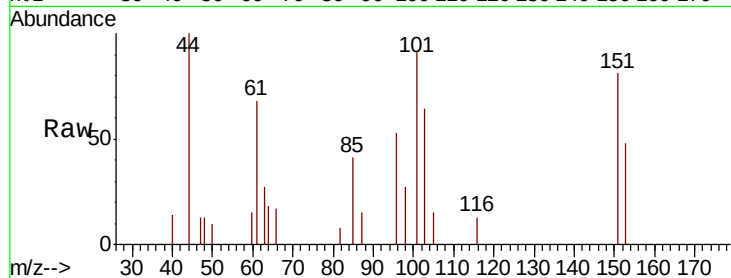
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	1065
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.6	50.4
151	96.0	71.0	106.4

Manual Integrations
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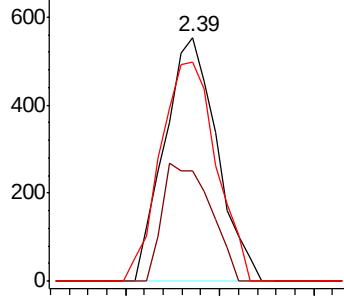
MMDadoda
8/6/2018 1:35:31 PM



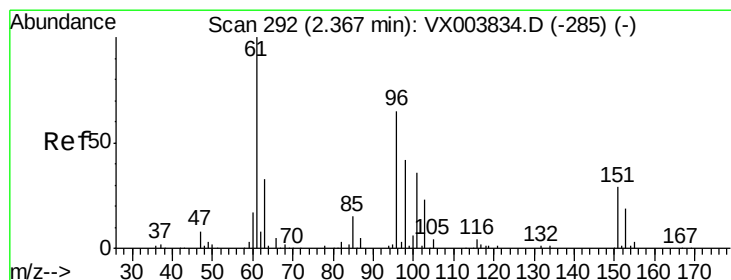
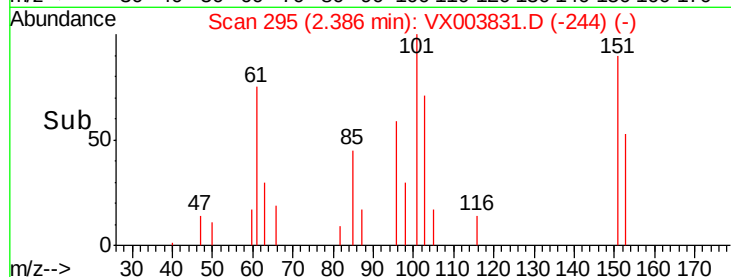
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.92 ug/l

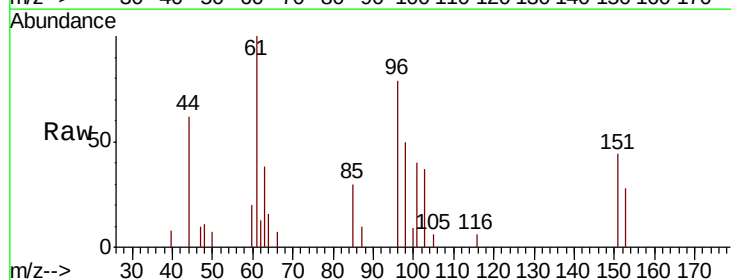
RT: 2.37 min Scan# 293

Delta R.T. 0.01 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

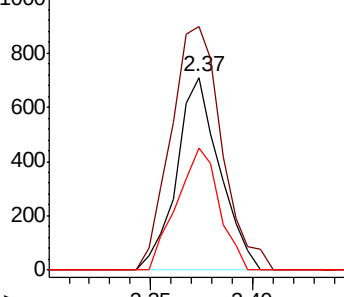
Tgt Ion:	96	Resp:	1040
Ion Ratio	Lower	Upper	
96	100		
61	126.3	122.8	184.2
98	63.2	51.8	77.8



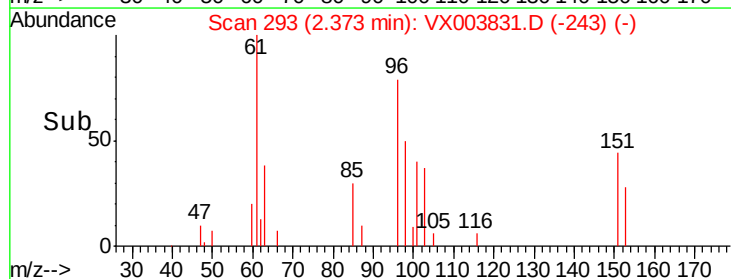
Abundance Ion 95.90 (95.60 to 96.60): VX0

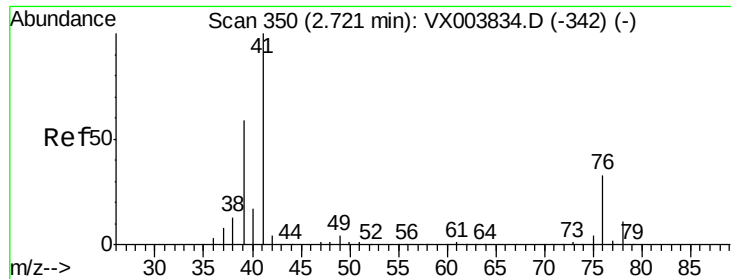
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





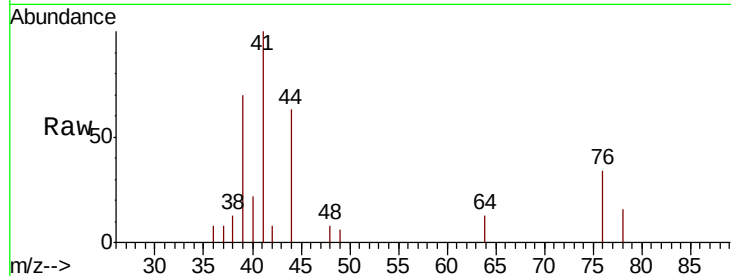
#14
Allvl chloride
Concen: 0.88 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

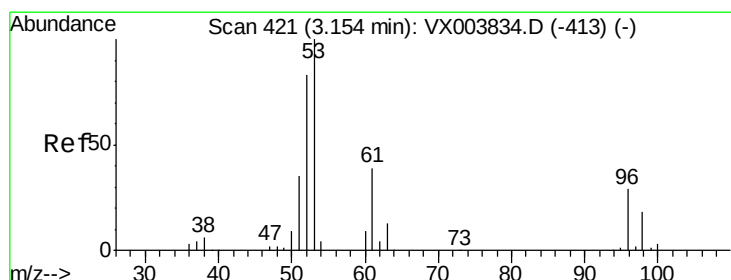
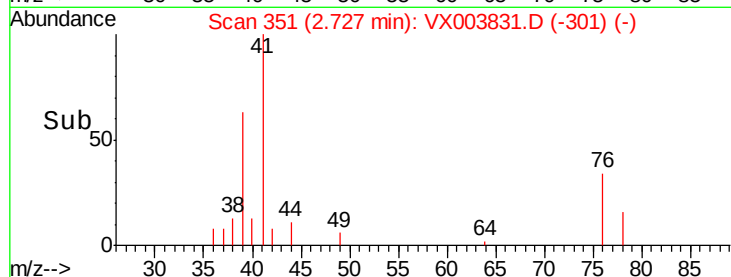
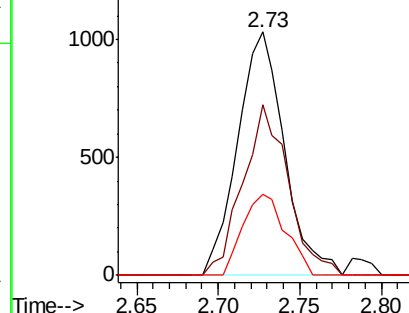
Tot Ion	Ratio	Lower	Upper
41	100		
39	68.2	46.1	69.1
76	30.2	26.8	40.2

Manual Integrations
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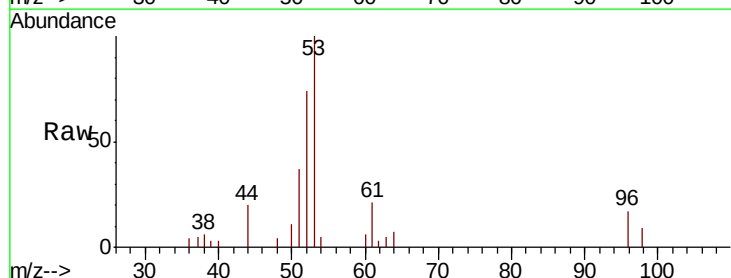


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0

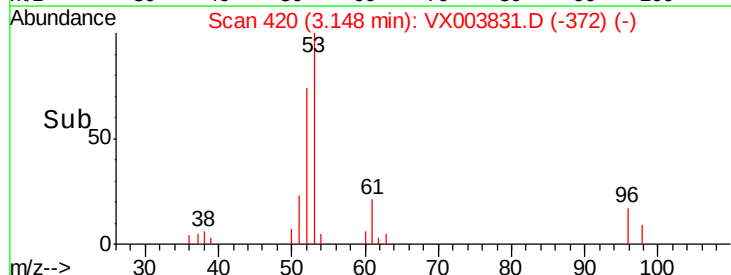
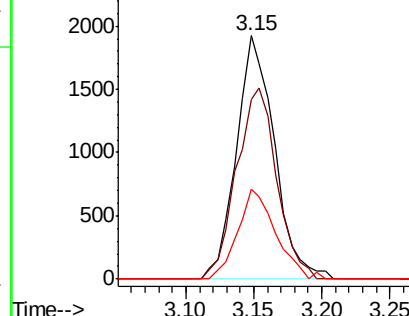


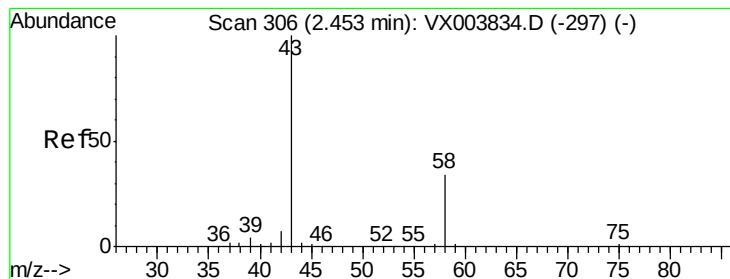
#15
Acrylonitrile
Concen: 4.45 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.9	98.9
51	36.6	28.6	43.0



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 5.91 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 4199

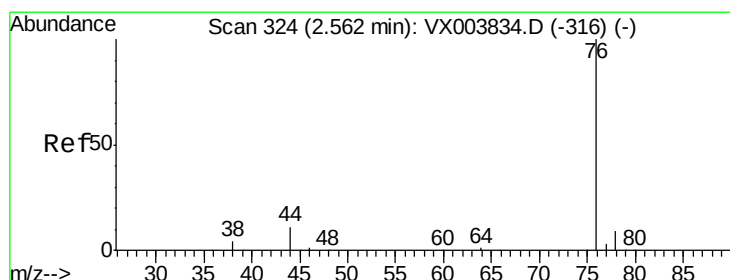
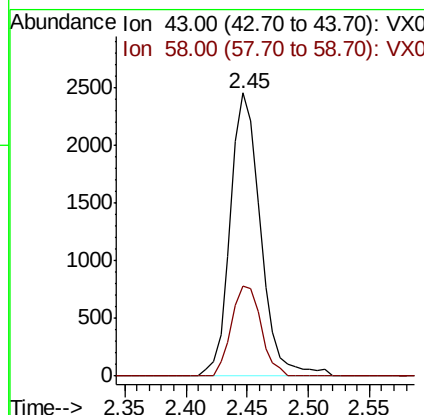
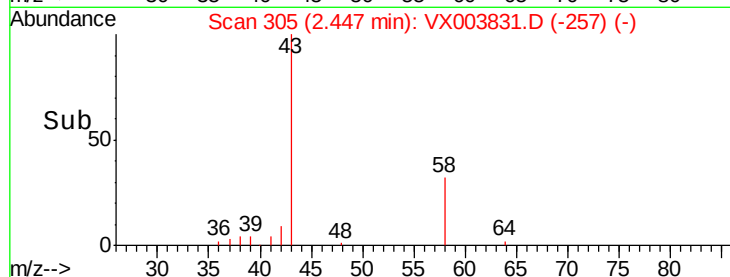
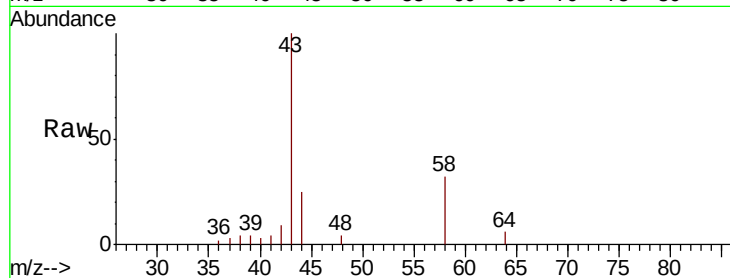
Ion Ratio Lower Upper

43 100

58 32.1 27.0 40.4

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#17

Carbon Disulfide

Concen: 0.93 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003831.D

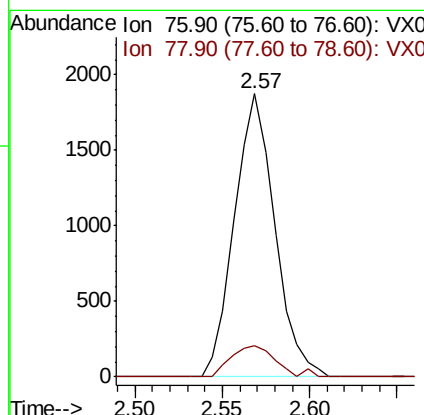
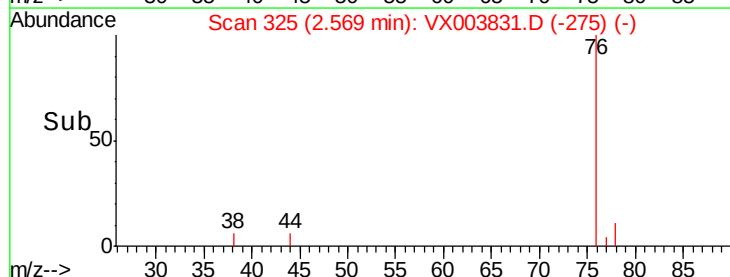
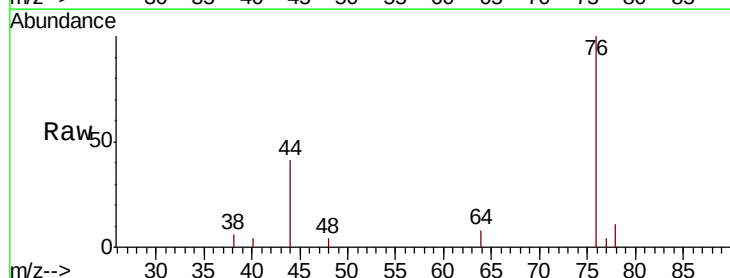
Acq: 02 Aug 2018 18:55

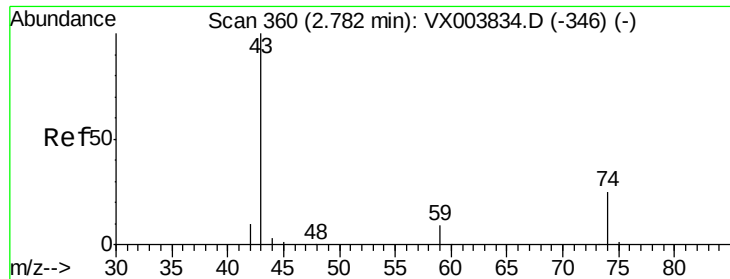
Tgt Ion: 76 Resp: 3018

Ion Ratio Lower Upper

76 100

78 11.3 7.4 11.0#





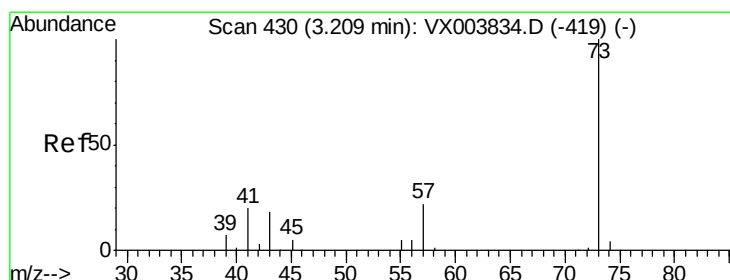
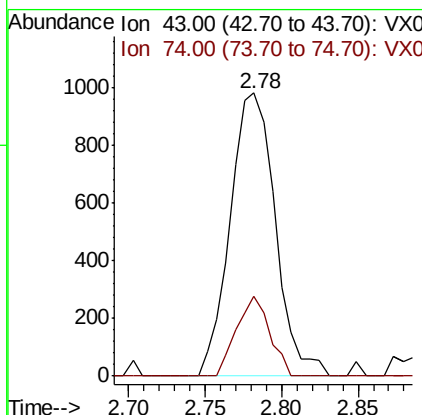
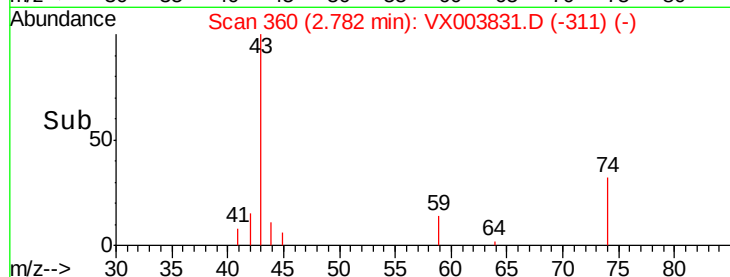
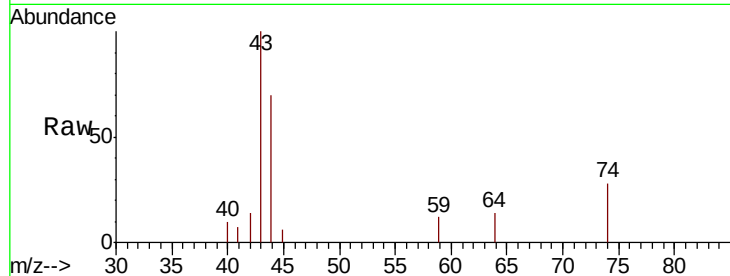
#18
Methyl Acetate
Concen: 0.98 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
74 20.6 19.2 28.8

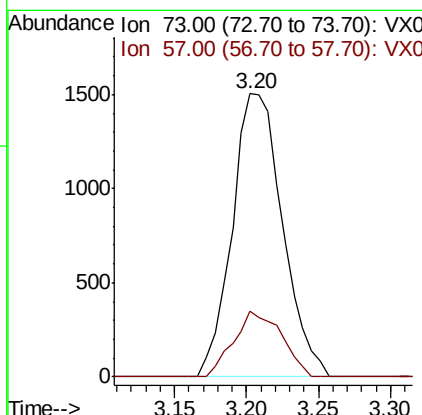
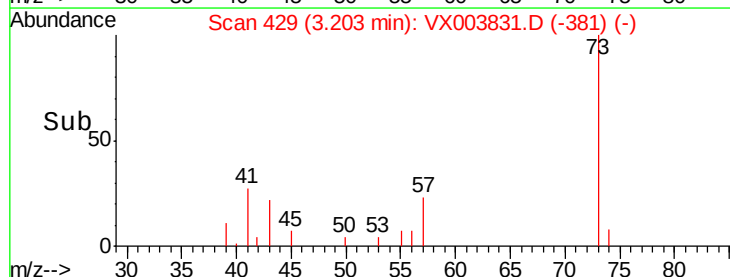
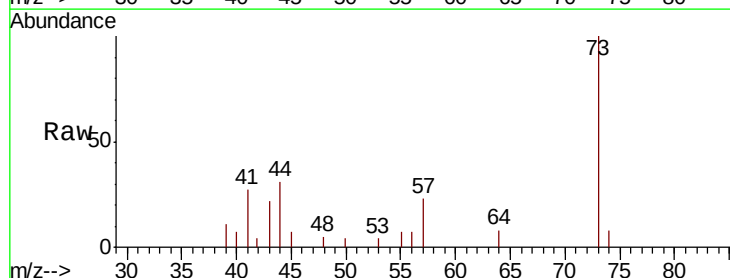
Manual Integrations
APPROVED

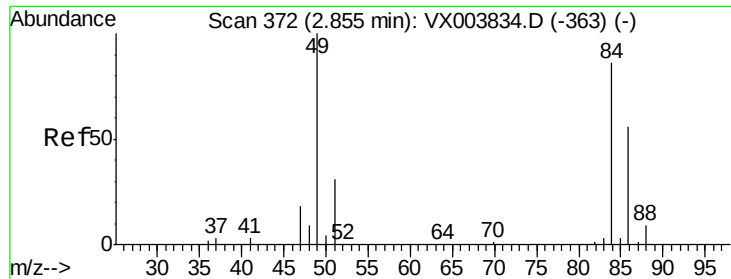
MMDadoda
8/6/2018 1:35:31 PM



#19
Methyl tert-butyl Ether
Concen: 0.90 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion: 73 Resp: 3642
Ion Ratio Lower Upper
73 100
57 23.3 17.5 26.3





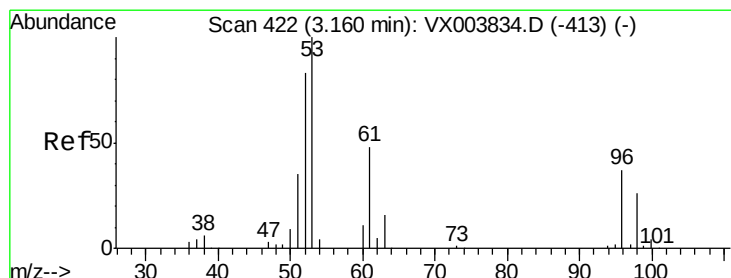
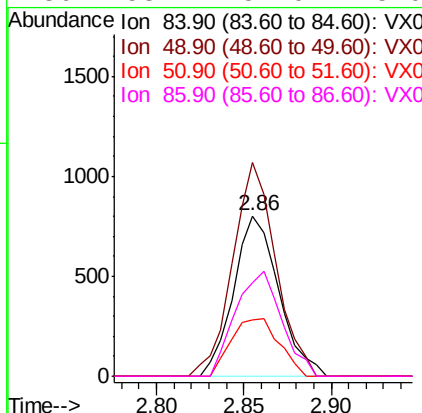
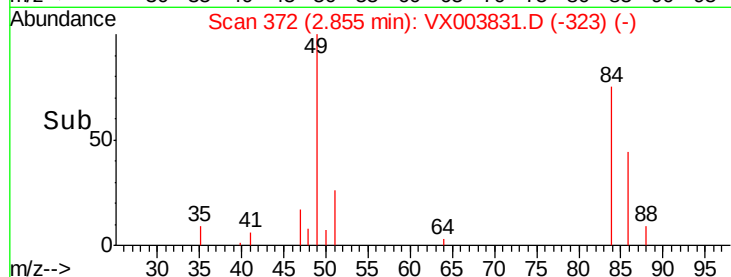
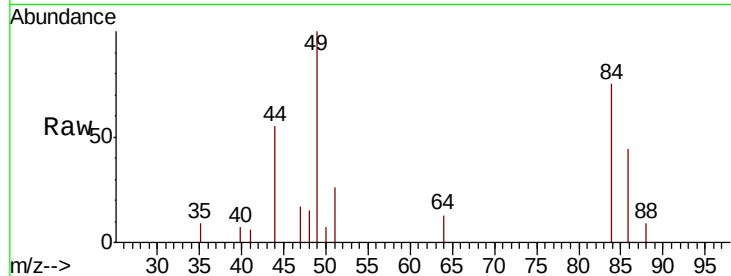
#20
Methylene Chloride
Concen: 1.06 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	1449
Ion	Ratio	Lower	Upper
84	100		
49	133.5	93.2	139.8
51	35.0	29.2	43.8
86	58.4	52.0	78.0

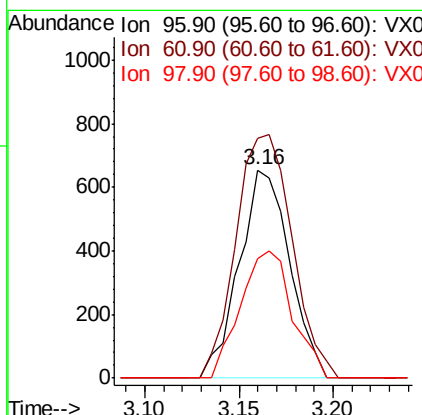
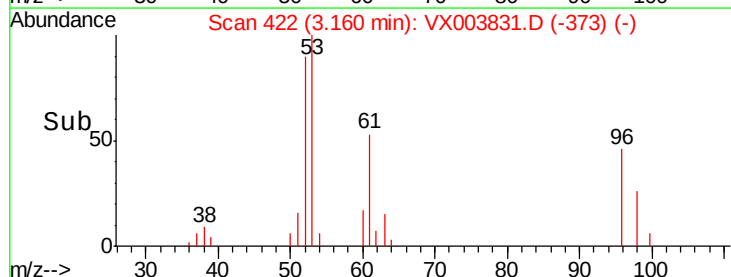
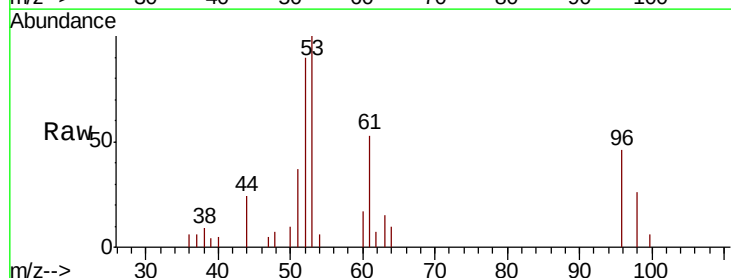
Manual Integrations
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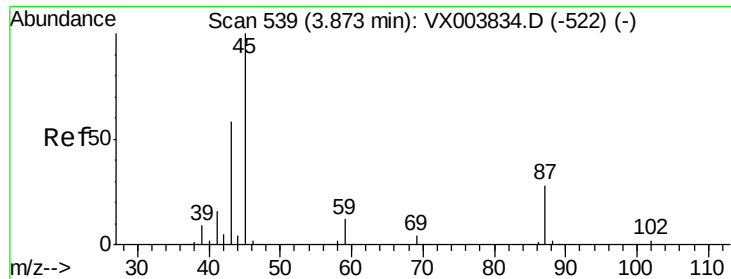
MMDadoda
8/6/2018 1:35:31 PM



#21
trans-1,2-Dichloroethene
Concen: 0.99 ug/l
RT: 3.16 min Scan# 422
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion:	96	Resp:	1213
Ion	Ratio	Lower	Upper
96	100		
61	115.4	104.2	156.4
98	57.6	57.0	85.6





#22

Diisopropyl ether

Concen: 0.91 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

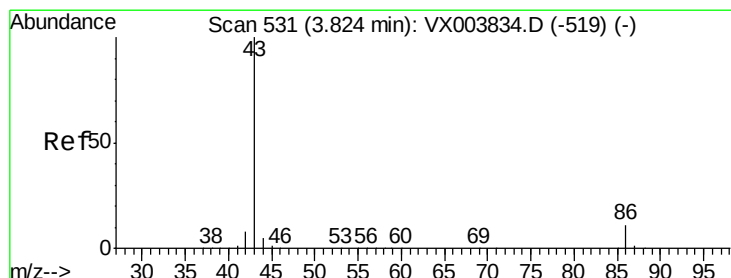
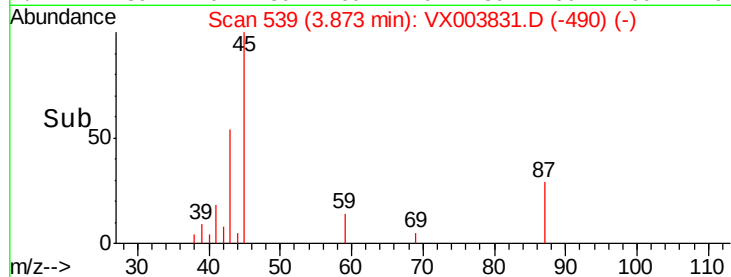
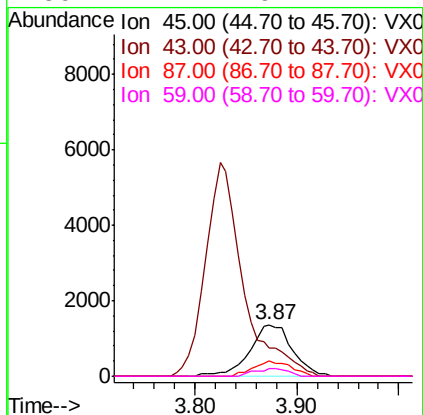
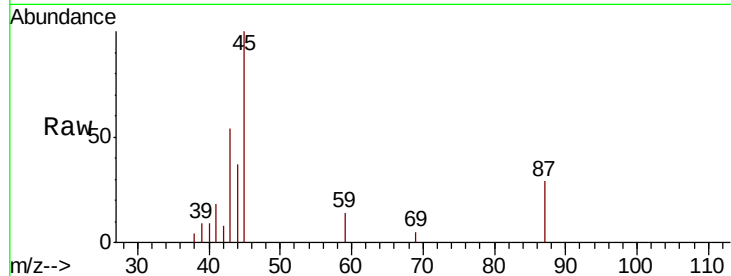
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	3941
Ion	Ratio	Lower	Upper
45	100		
43	54.4	46.4	69.6
87	29.1	22.4	33.6
59	14.1	9.4	14.2

Manual Integrations
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#23

Vinyl Acetate

Concen: 3.95 ug/l

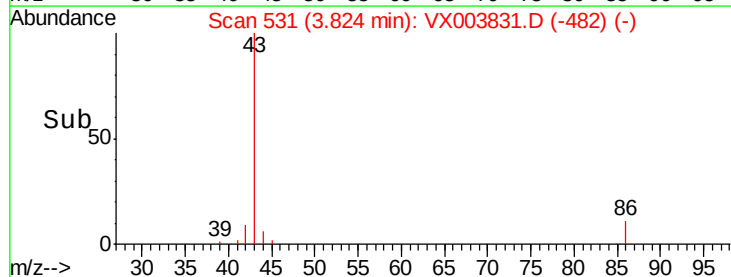
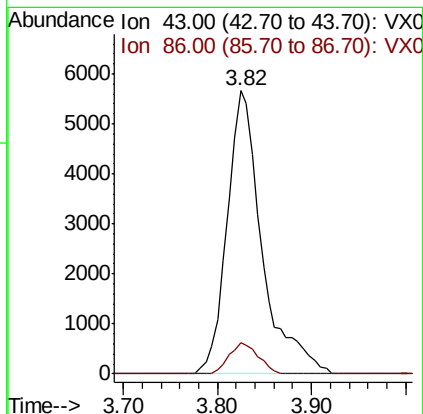
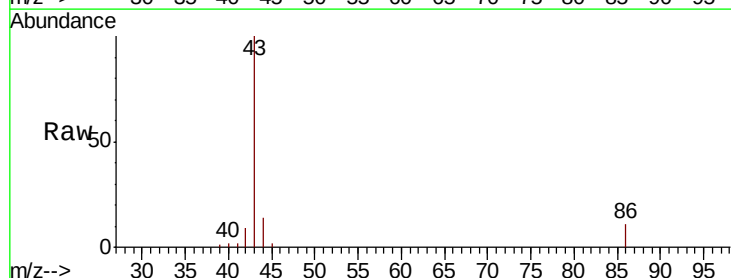
RT: 3.82 min Scan# 531

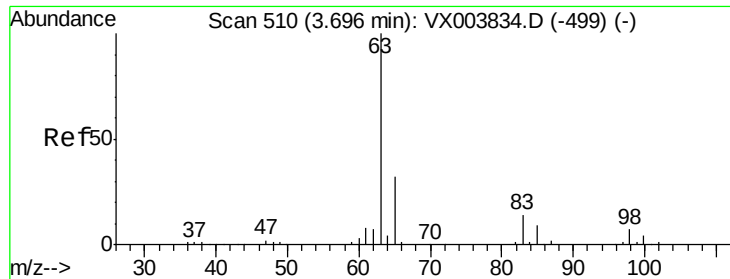
Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Tgt Ion:	43	Resp:	14642
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.8	13.2





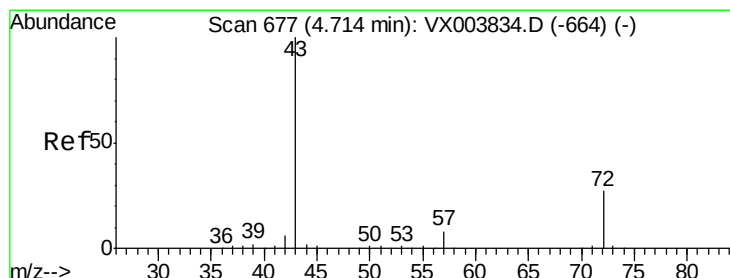
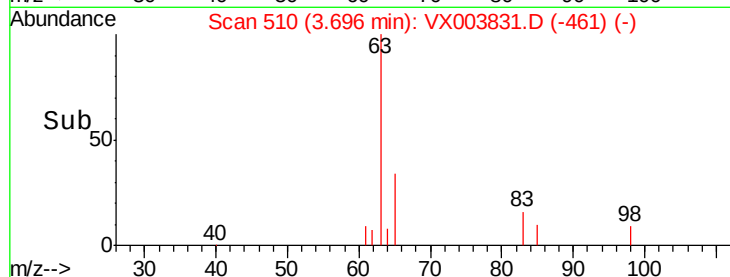
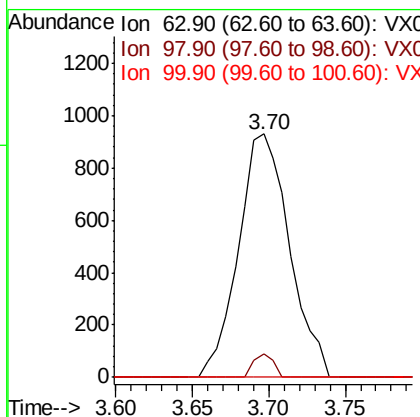
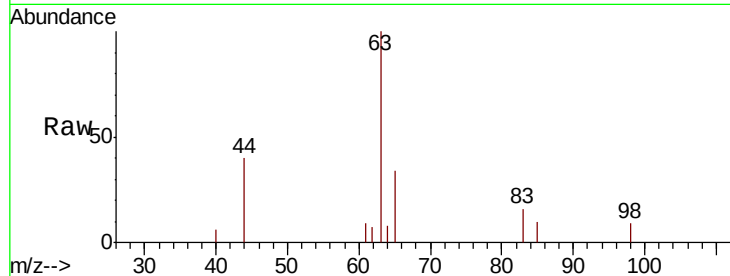
#24
 1,1-Dichloroethane
 Concen: 0.88 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	9.5	3.3	9.9
100	0.0	2.3	6.8#

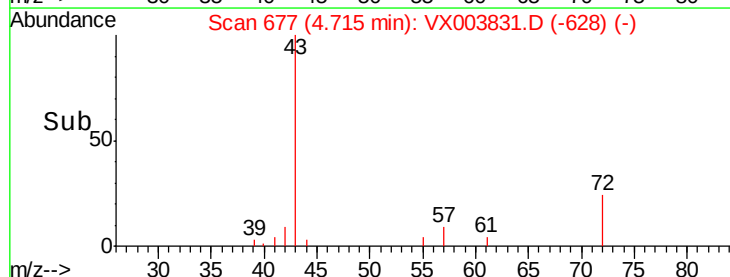
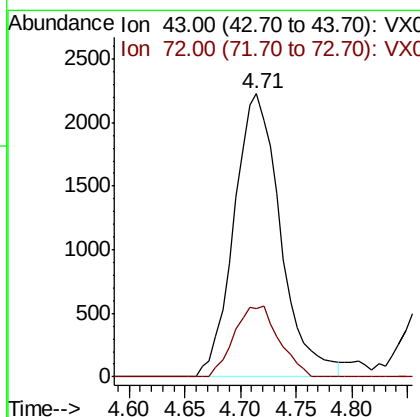
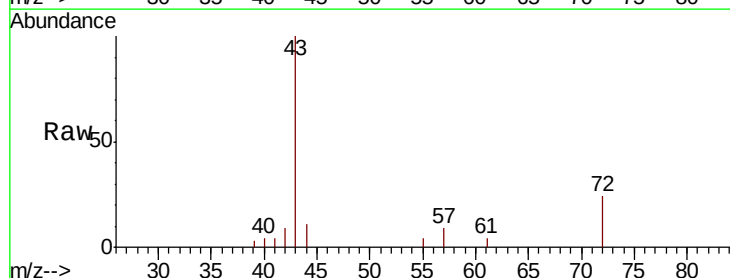
Manual Integrations
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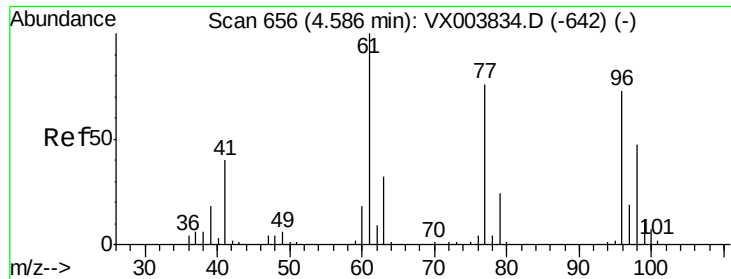
MMDadoda
 8/6/2018 1:35:31 PM



#25
 2-Butanone
 Concen: 5.77 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	21.5	32.3





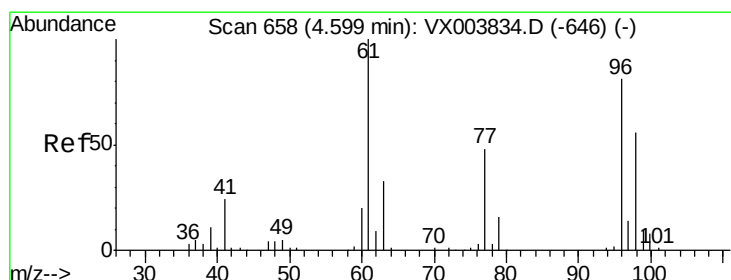
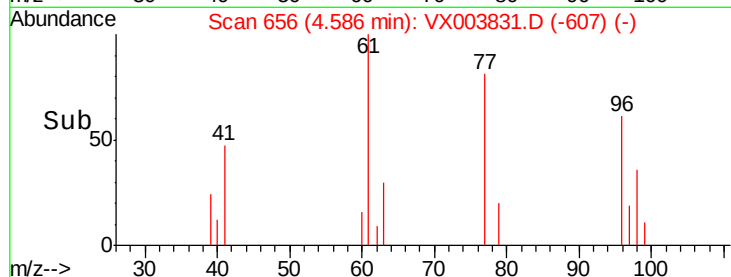
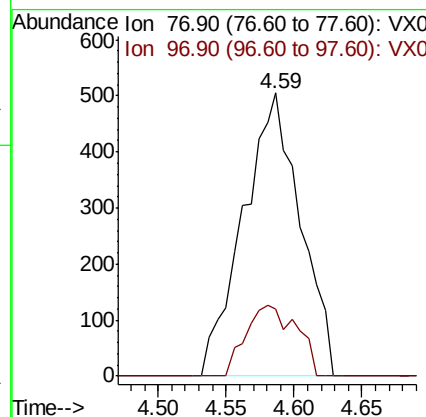
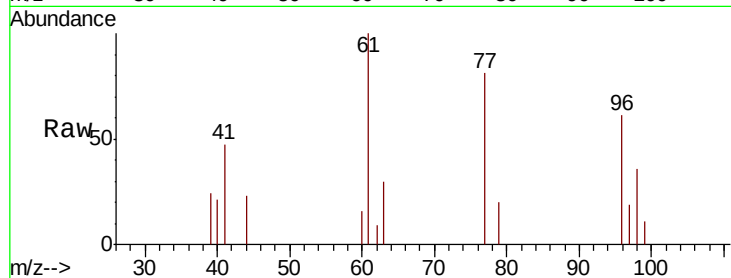
#26
 2,2-Dichloropropane
 Concen: 0.97 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 1485
 Ion Ratio Lower Upper
 77 100
 97 22.2 12.8 38.3

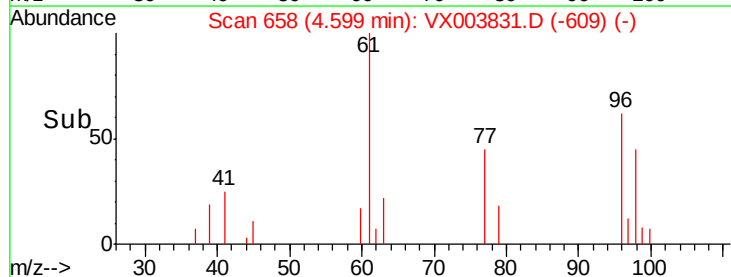
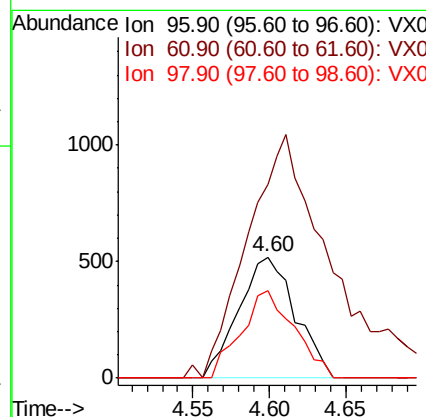
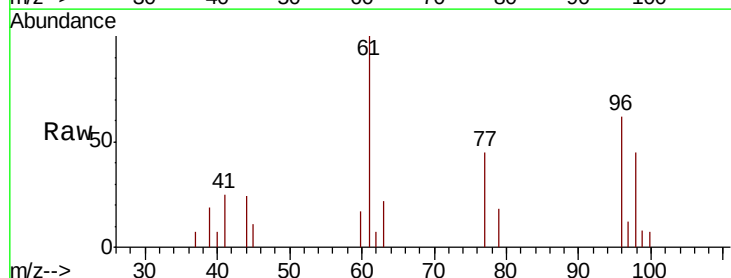
Manual Integrations
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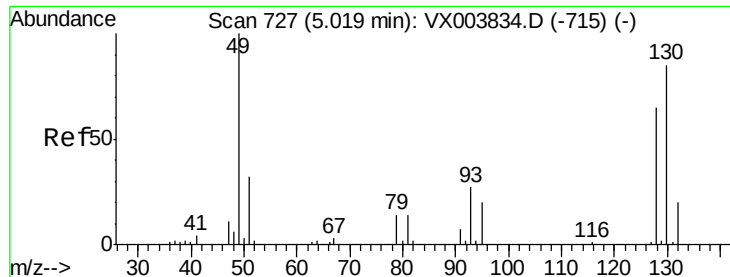
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#27
 cis-1,2-Dichloroethene
 Concen: 0.98 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion: 96 Resp: 1338
 Ion Ratio Lower Upper
 96 100
 61 308.4 0.0 283.6#
 98 67.2 0.0 130.0





#28

Bromochloromethane

Concen: 0.89 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

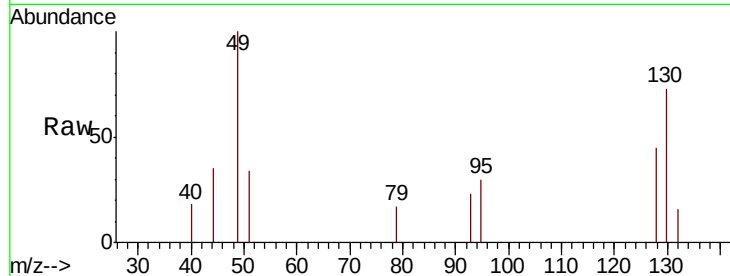
ClientSampleId :

VSTDIC001

Tot Ion:	49	Resp:	906
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	81.1	68.9	103.3

Manual Integrations
APPROVED

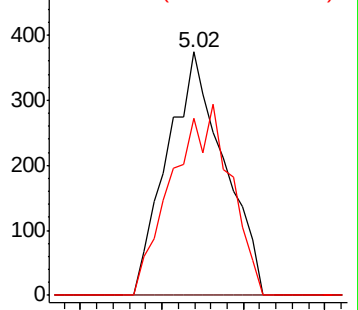
MMDadoda
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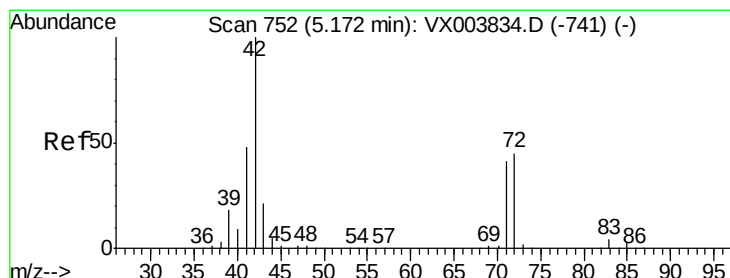
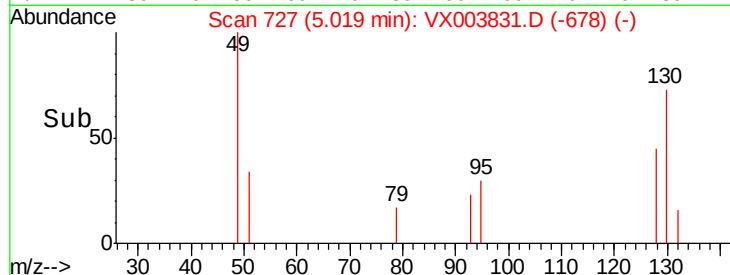
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 4.66 ug/l

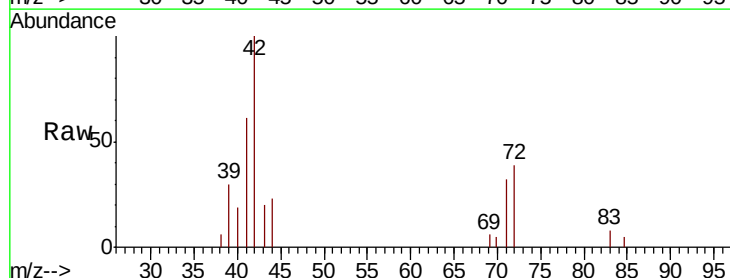
RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

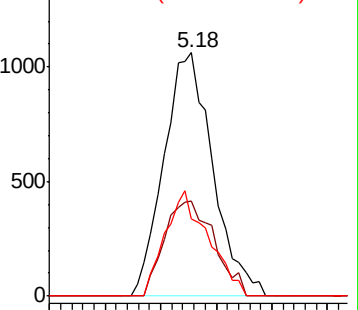
Tgt Ion:	42	Resp:	3243
Ion	Ratio	Lower	Upper
42	100		
72	39.6	36.1	54.1
71	37.9	33.6	50.4



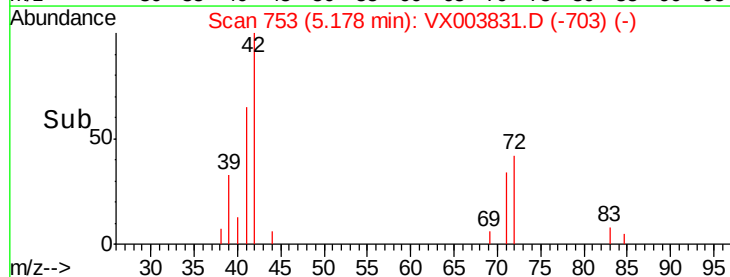
Abundance Ion 42.00 (41.70 to 42.70): VX0

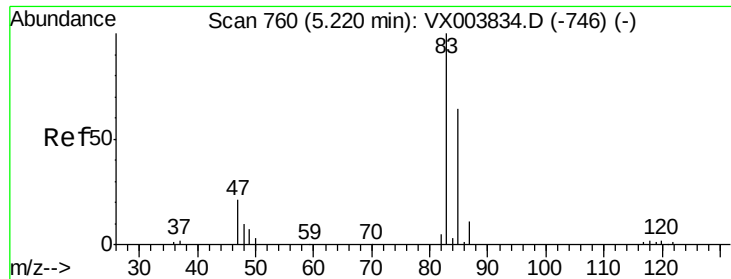
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





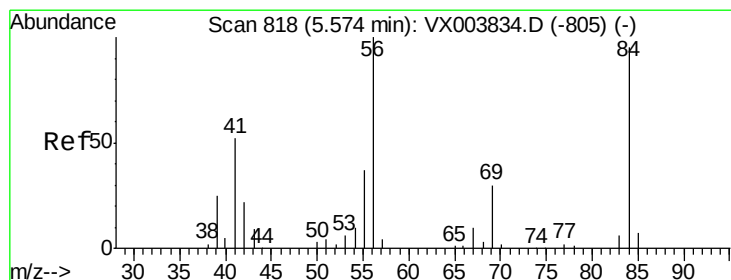
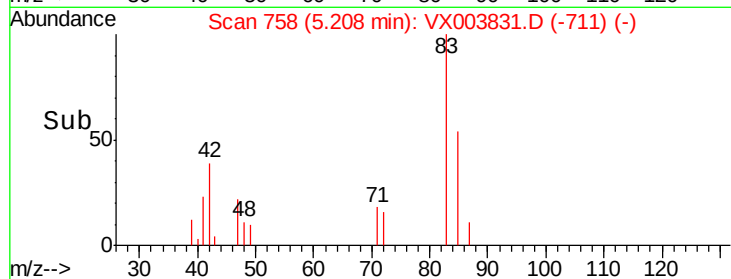
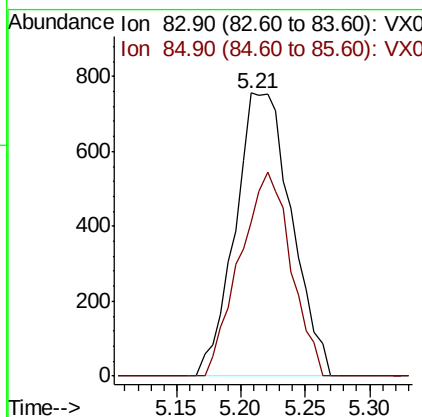
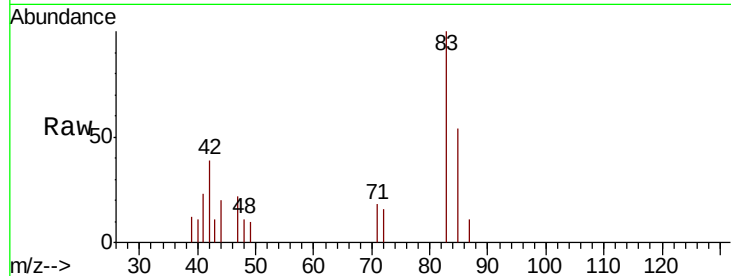
#30
Chloroform
Concen: 1.01 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	2291
Ion Ratio	100	Lower	Upper
85	54.4	51.5	77.3

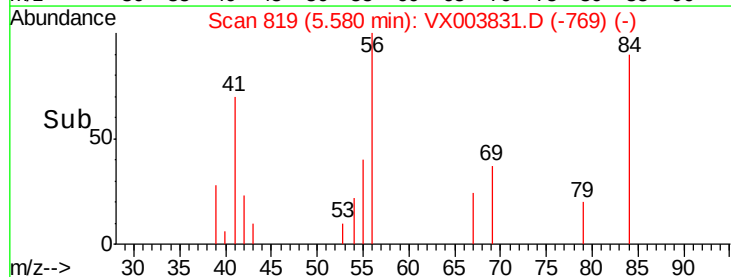
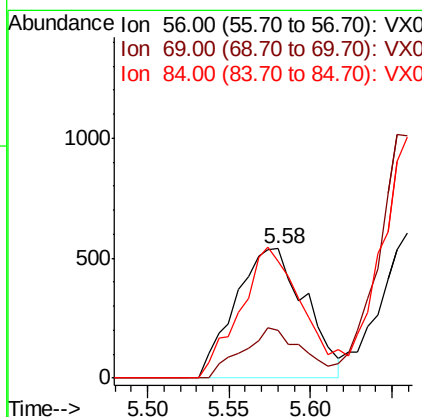
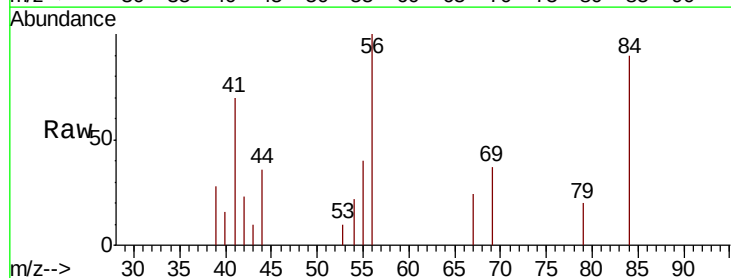
Manual Integrations
APPROVED

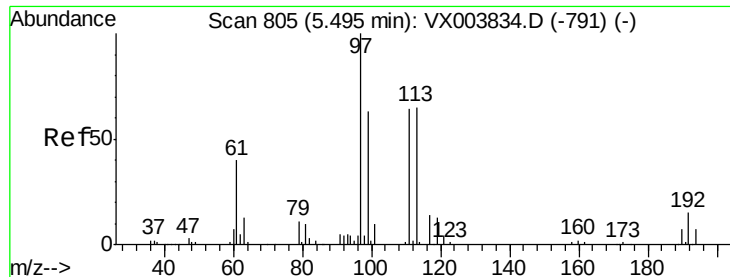
MMDadoda
8/6/2018 1:35:31 PM



#31
Cyclohexane
Concen: 0.85 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	56	Resp	1616
Ion Ratio	100	Lower	Upper
69	36.9	23.7	35.5#
84	90.2	75.7	113.5





#32

1,1,1-Trichloroethane

Concen: 0.92 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

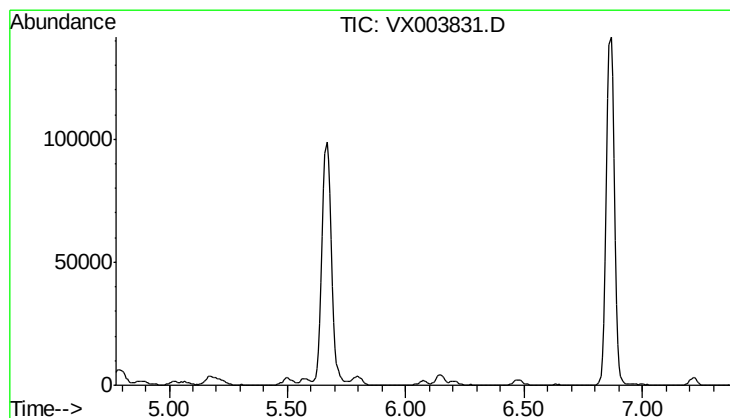
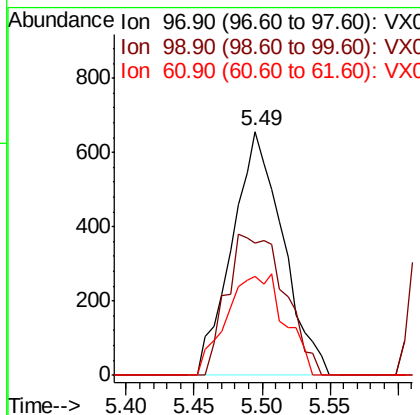
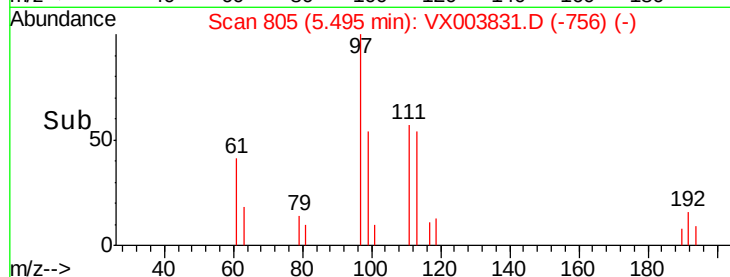
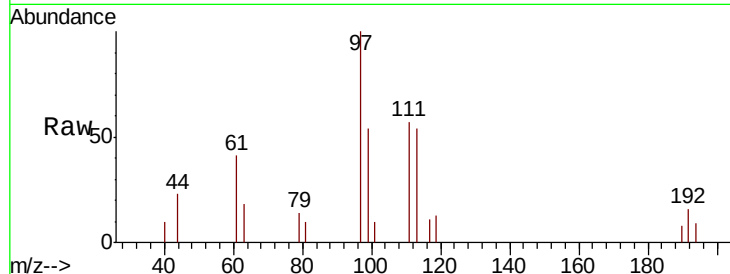
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	1709
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6#
61	47.5	33.3	49.9

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:31 PM



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 6.07 min

Lab File: VX003831.D

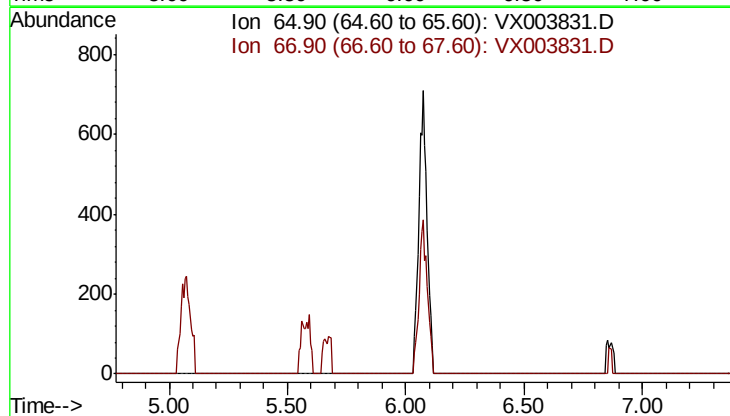
Acq: 02 Aug 2018 18:55

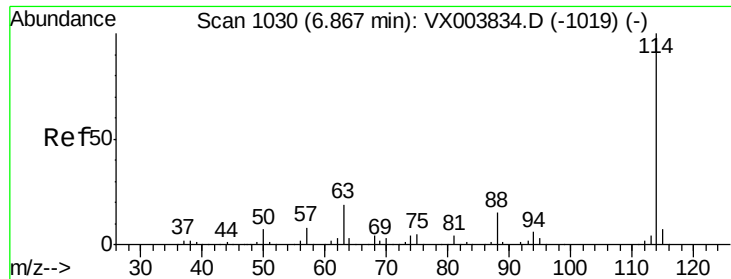
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

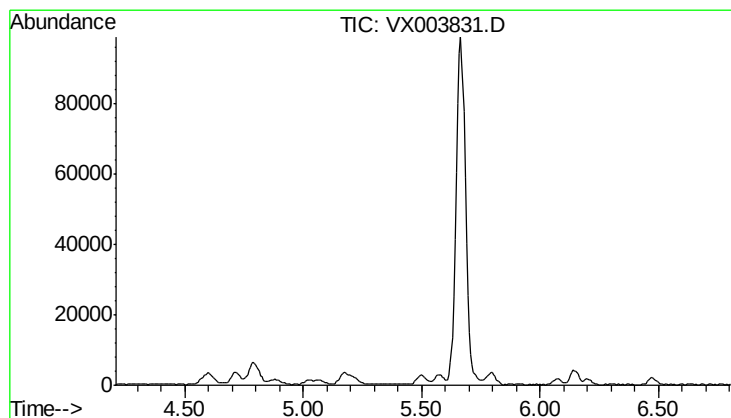
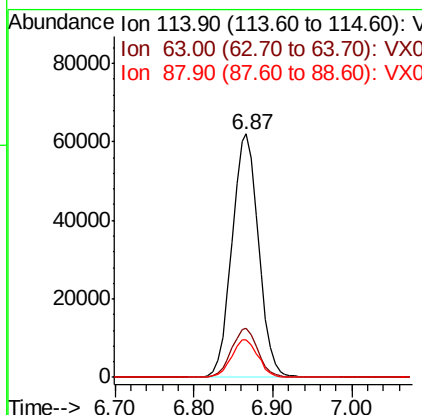
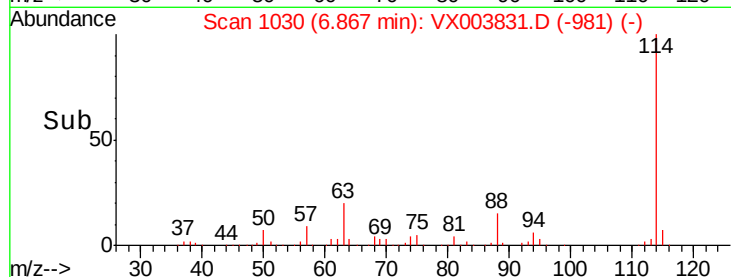
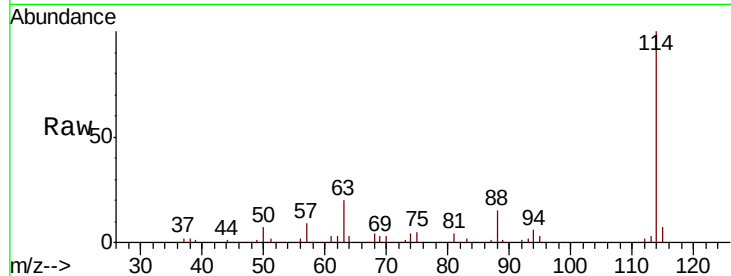
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	145332
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	38.2
88	15.3	0.0	29.6

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:31 PM



#35

Dibromofluoromethane

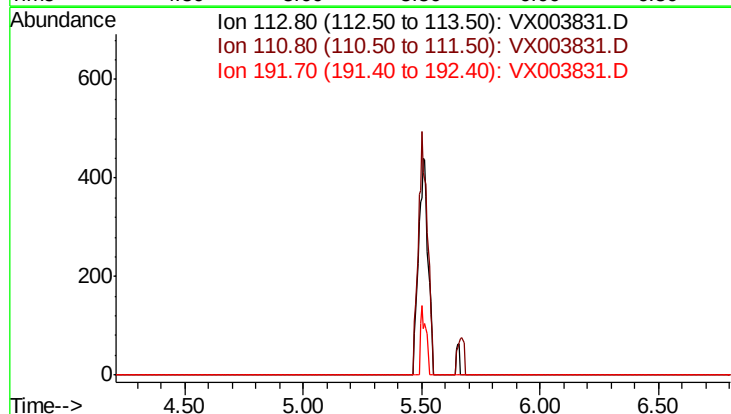
Concen: 0.00 ug/l

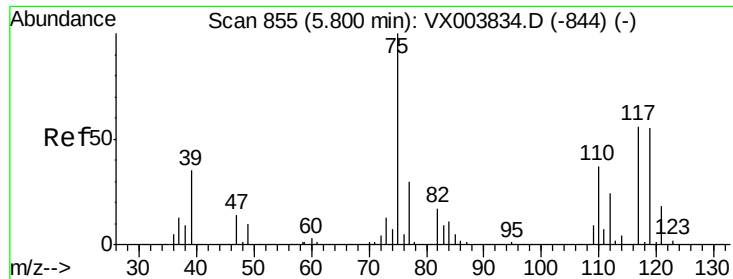
Expected RT: 5.51 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	101.4
192	24.6





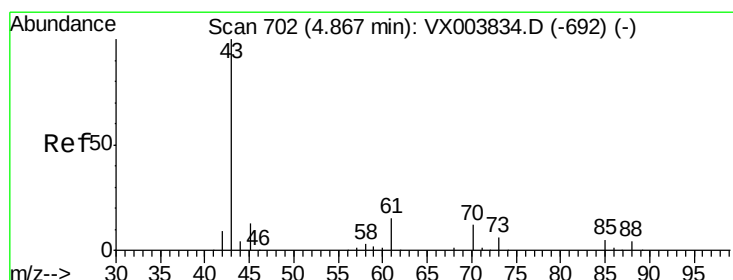
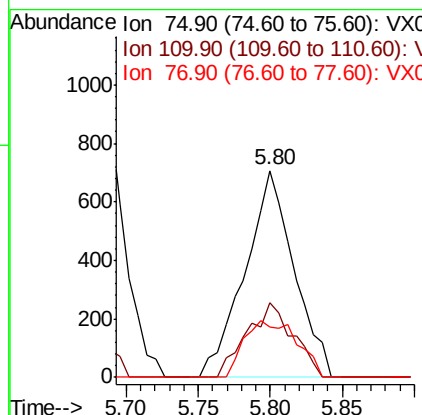
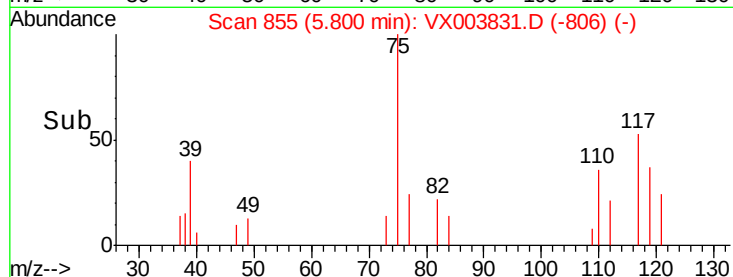
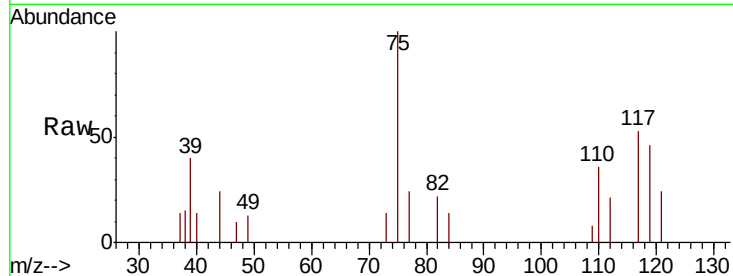
#36
 1,1-Dichloropropene
 Concen: 1.01 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.6	55.8
77	29.6	24.9	37.3

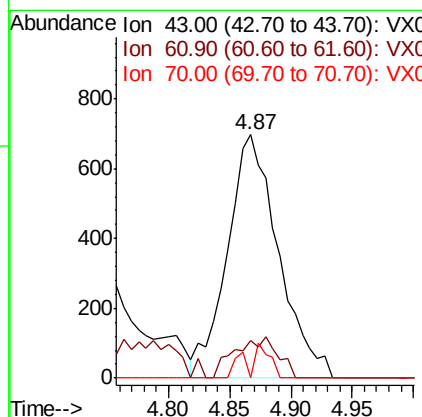
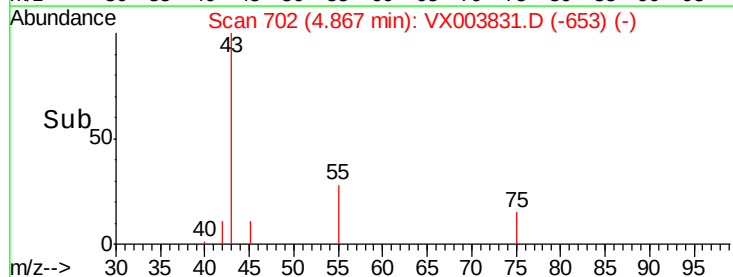
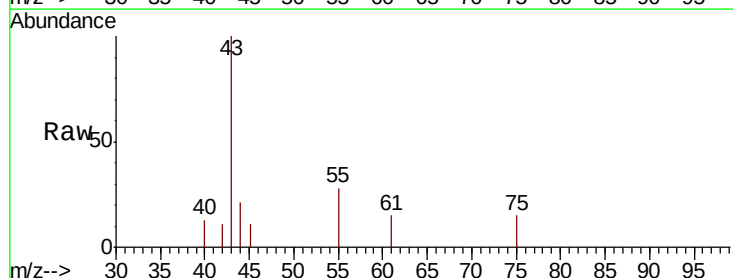
Manual Integrations
 APPROVED

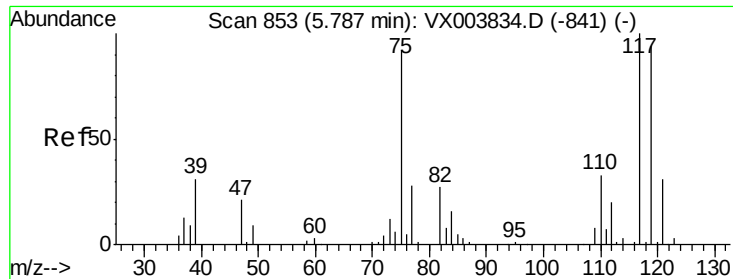
MMDadoda
 8/6/2018 1:35:31 PM



#37
 Ethyl Acetate
 Concen: 1.00 ug/l
 RT: 4.87 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	2.4	8.9	13.3#





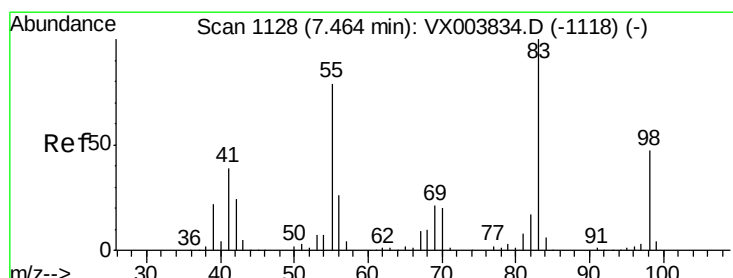
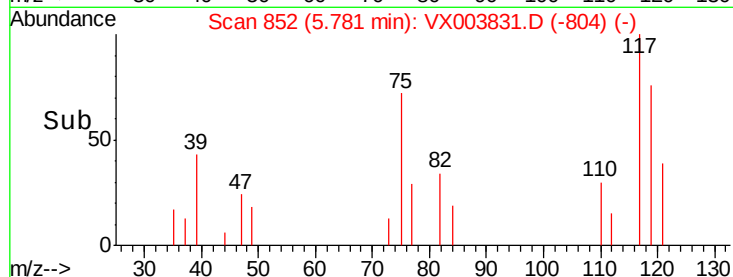
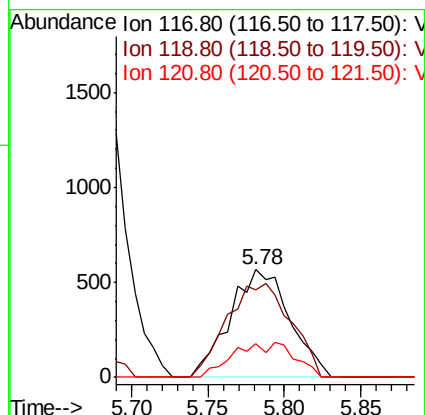
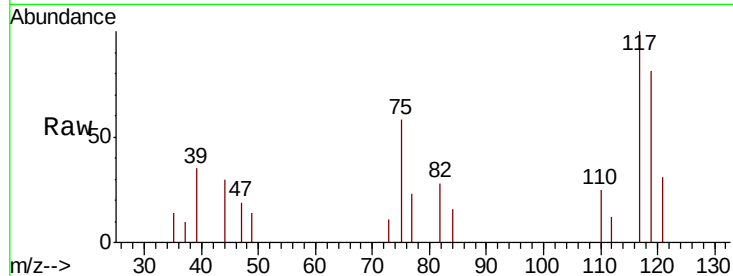
#38
Carbon Tetrachloride
Concen: 0.97 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1551
Ion Ratio Lower Upper
117 100
119 81.4 74.6 112.0
121 31.4 24.4 36.6

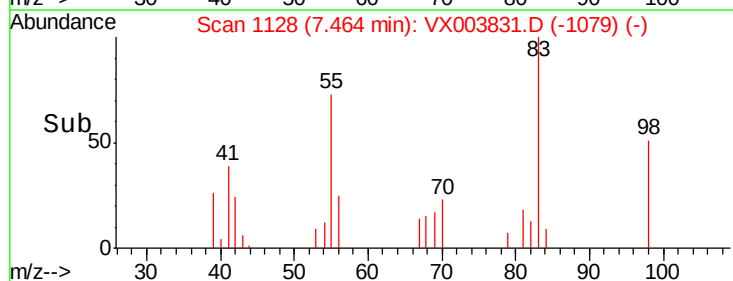
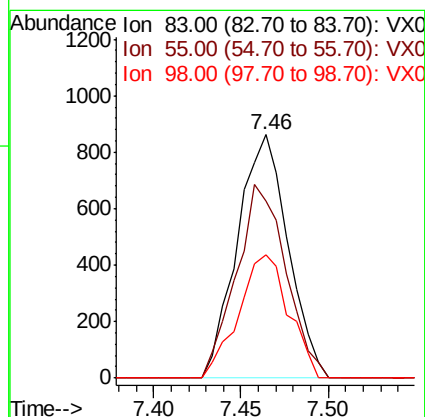
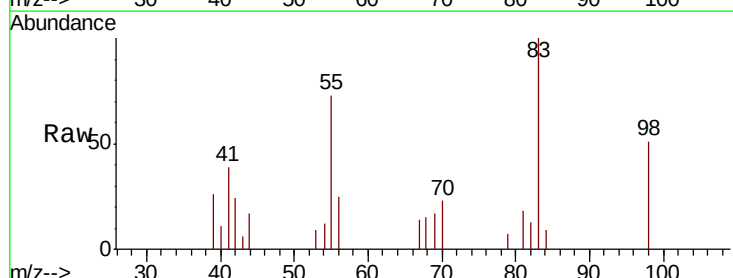
Manual Integrations
APPROVED

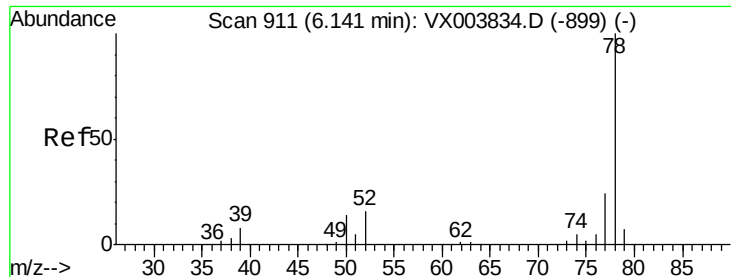
MMDadoda
8/6/2018 1:35:31 PM



#39
Methylcyclohexane
Concen: 0.99 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion: 83 Resp: 1744
Ion Ratio Lower Upper
83 100
55 72.9 63.1 94.7
98 50.6 37.5 56.3





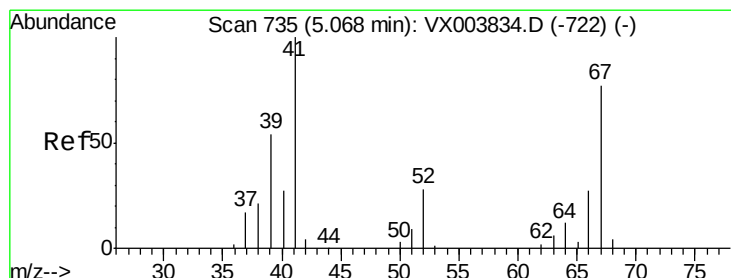
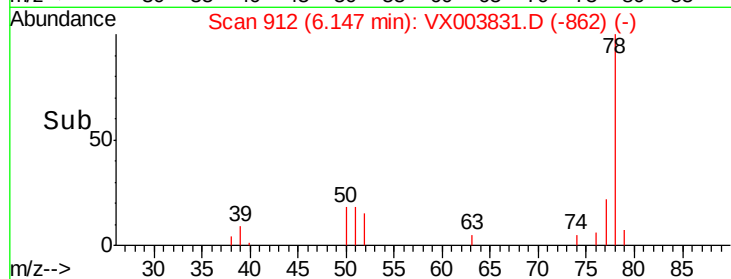
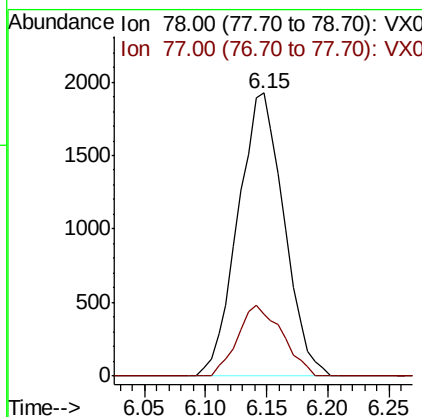
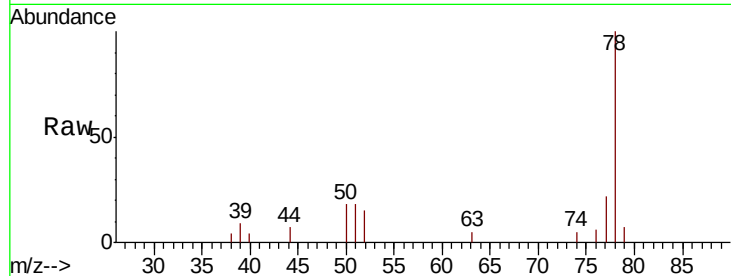
#40
Benzene
Concen: 1.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 5037
Ion Ratio Lower Upper
78 100
77 21.8 18.9 28.3

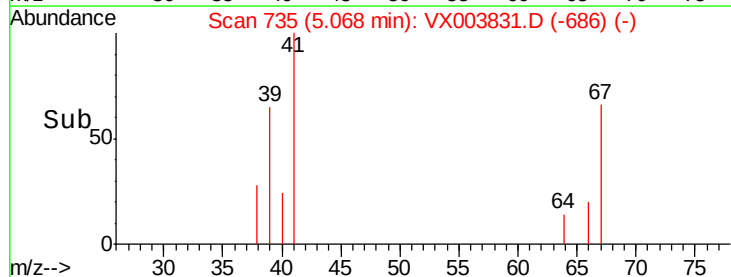
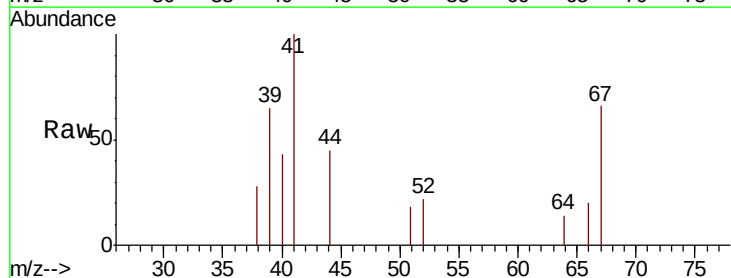
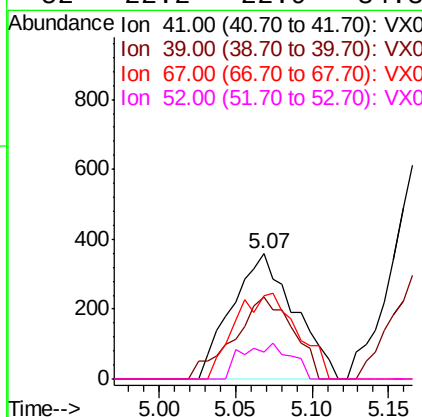
Manual Integrations
APPROVED

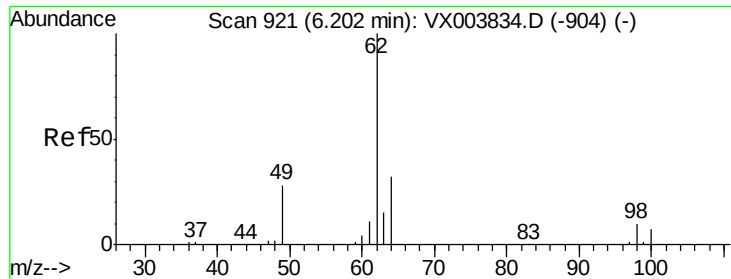
MMDadoda
8/6/2018 1:35:31 PM



#41
Methacrylonitrile
Concen: 0.91 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion: 41 Resp: 1021
Ion Ratio Lower Upper
41 100
39 61.7 42.5 63.7
67 68.3 58.8 88.2
52 22.2 22.9 34.3#





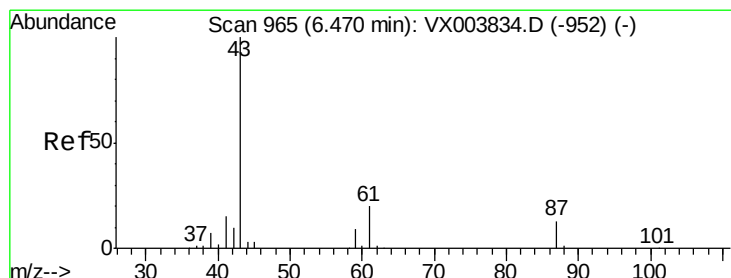
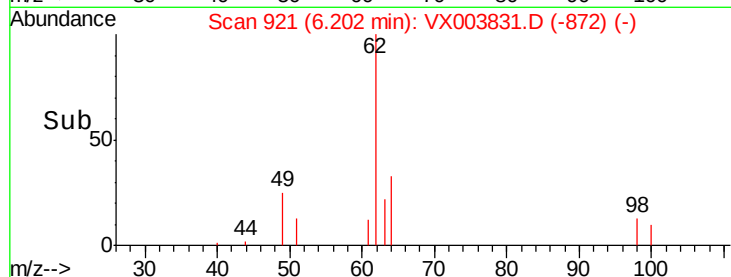
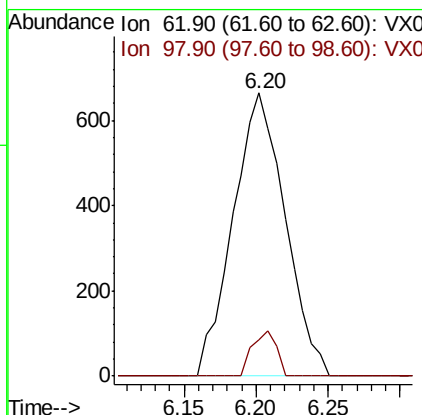
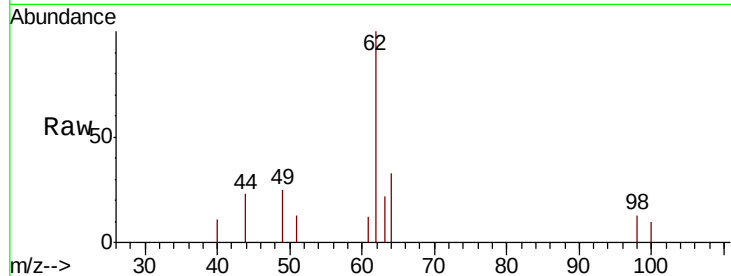
#42
 1,2-Dichloroethane
 Concen: 0.95 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	19.6

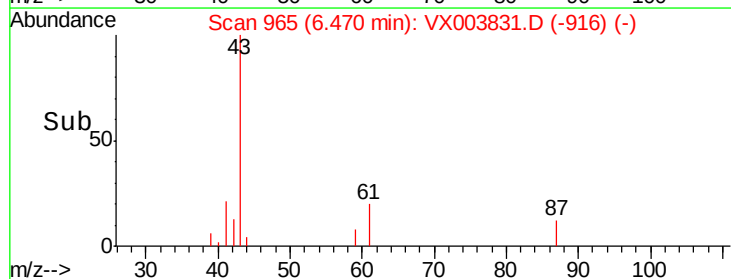
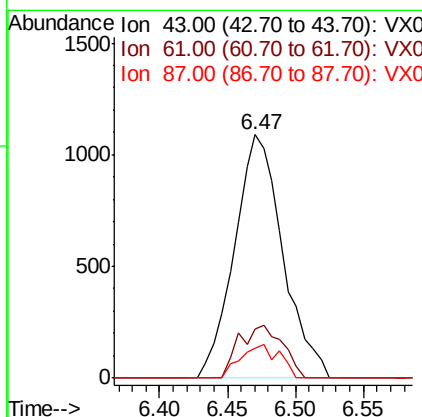
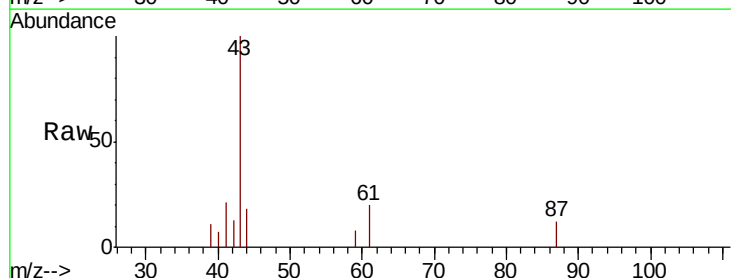
Manual Integrations
 APPROVED

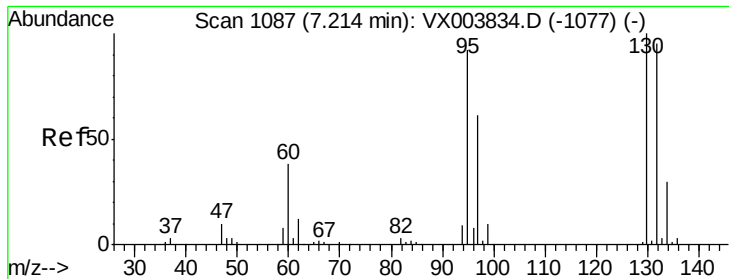
MMDadoda
 8/6/2018 1:35:31 PM



#43
 Isopropyl Acetate
 Concen: 0.91 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	16.7	25.1
87	11.0	10.8	16.2





#44

Trichloroethene

Concen: 0.99 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 1330

Ion Ratio Lower Upper

130 100

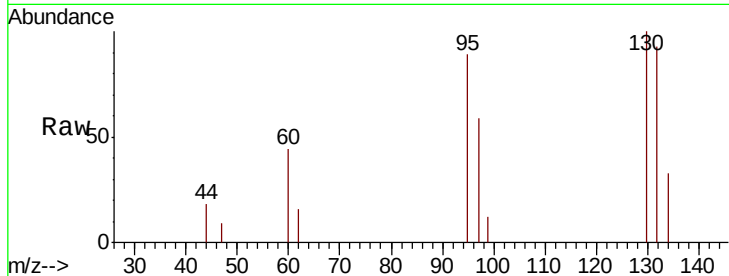
95 88.7 0.0 184.8

Manual Integrations

APPROVED

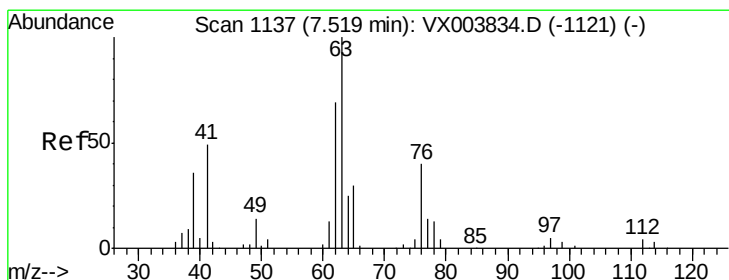
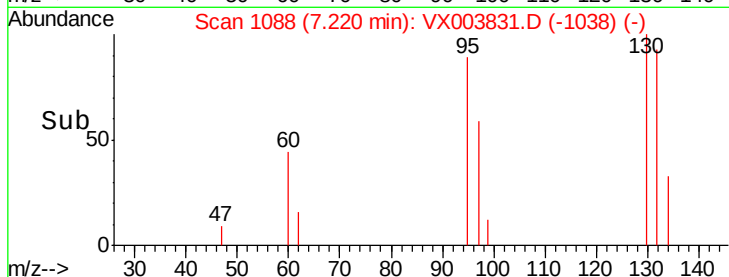
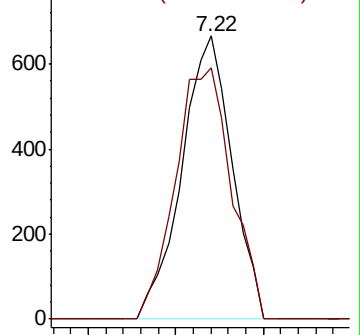
MMDadoda

8/6/2018 1:35:31 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.95 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003831.D

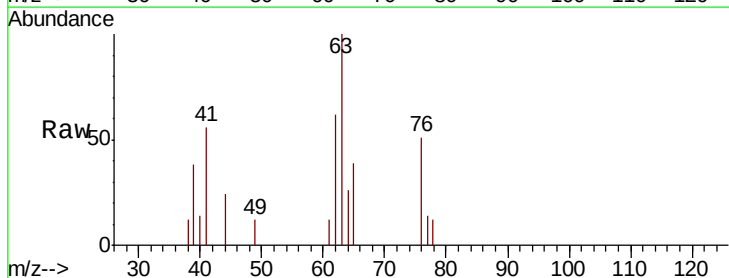
Acq: 02 Aug 2018 18:55

Tgt Ion: 63 Resp: 1235

Ion Ratio Lower Upper

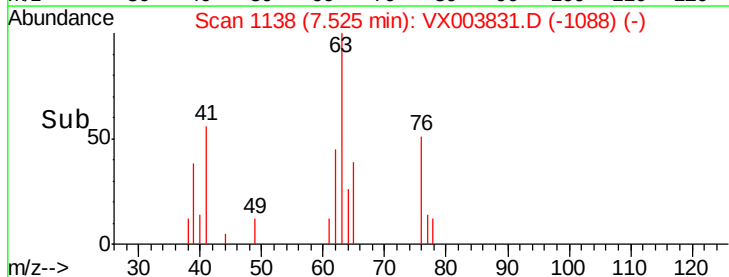
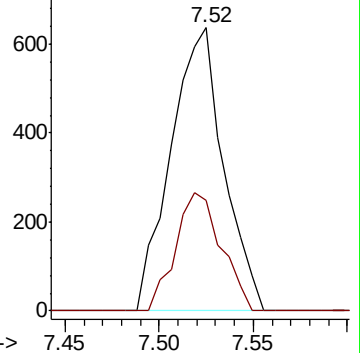
63 100

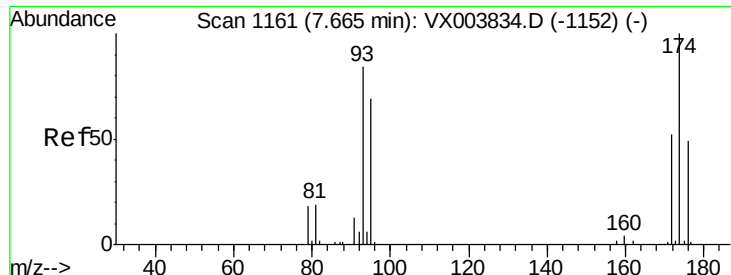
65 39.2 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





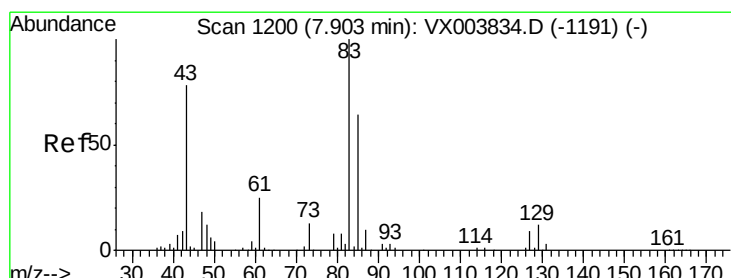
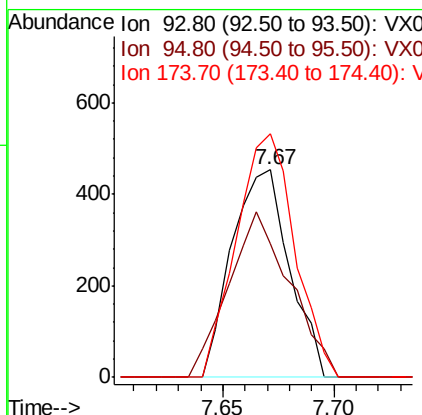
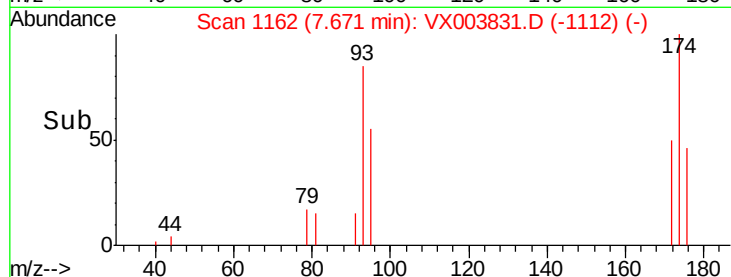
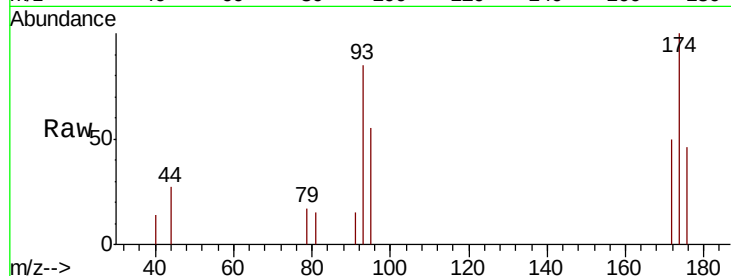
#46
Dibromomethane
Concen: 0.97 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.0	100.6
174	119.1	97.4	146.2

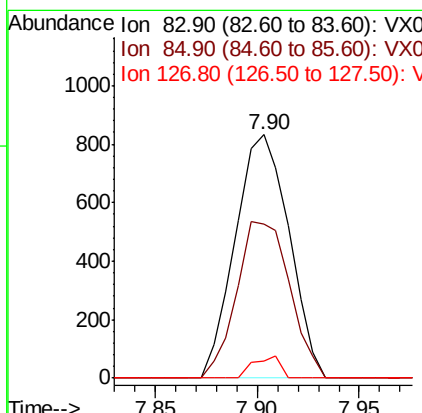
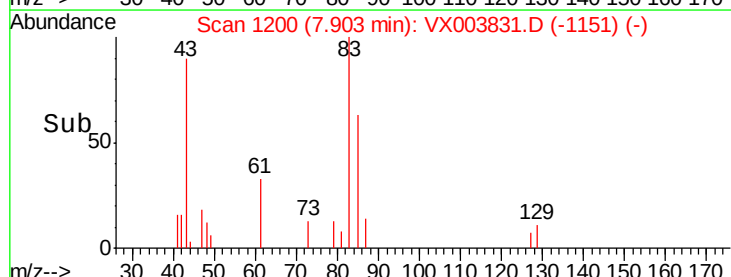
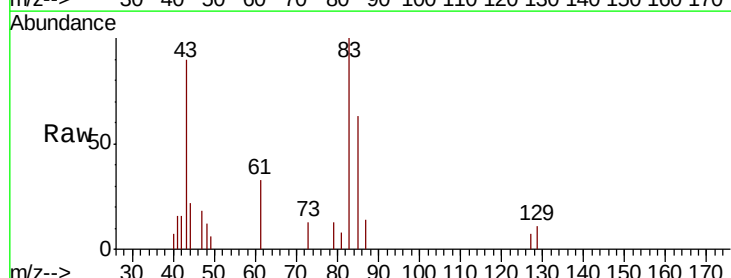
Manual Integrations
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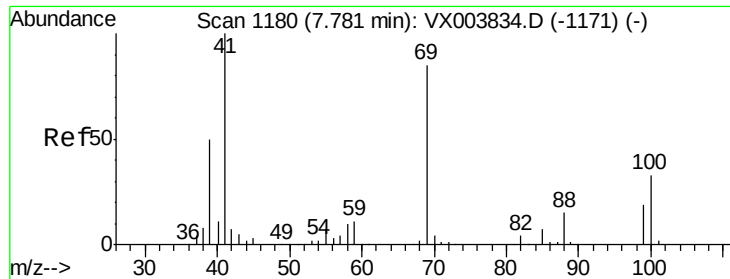
MMDadoda
8/6/2018 1:35:31 PM



#47
Bromodichloromethane
Concen: 0.97 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.2
127	6.8	7.0	10.6#





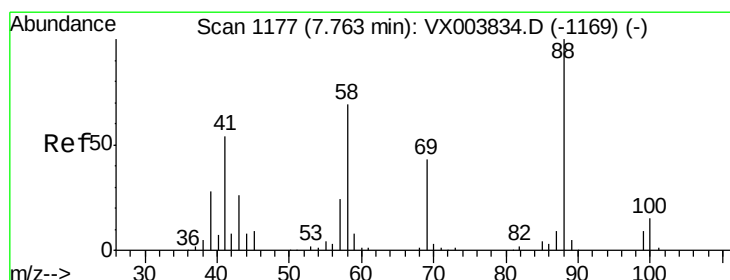
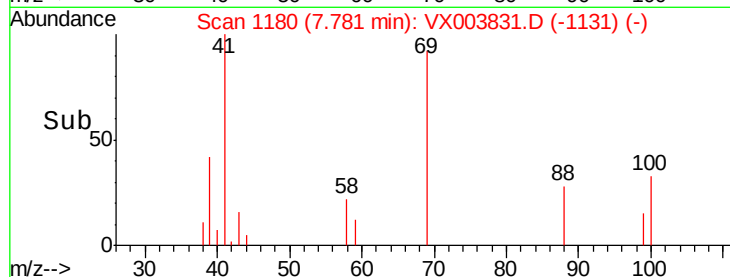
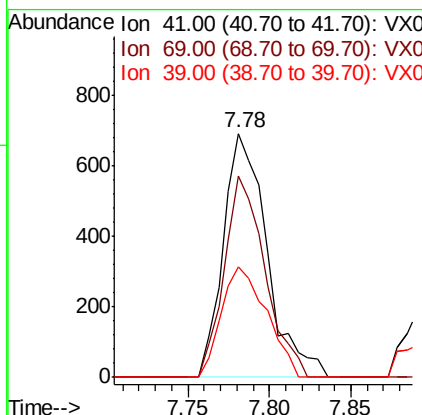
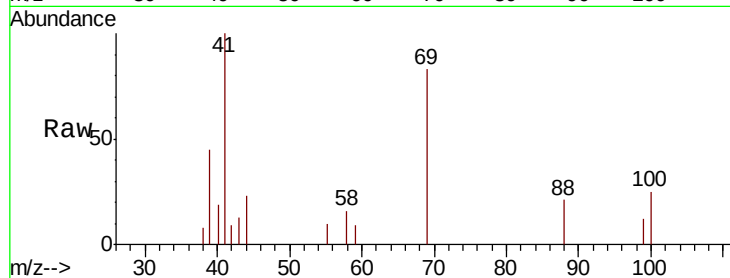
#48
Methyl methacrylate
Concen: 0.86 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	77.3	70.2	105.4
39	46.7	40.9	61.3

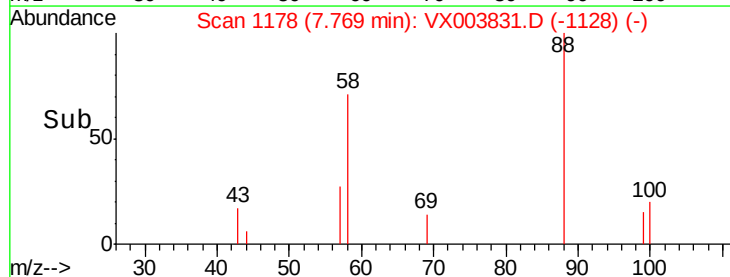
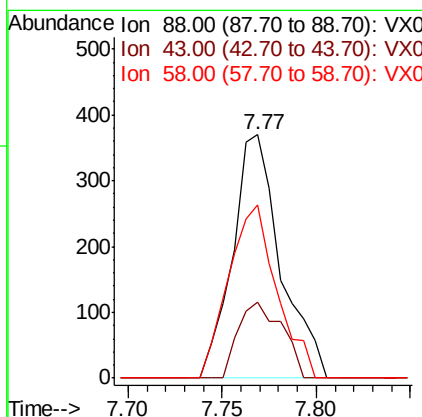
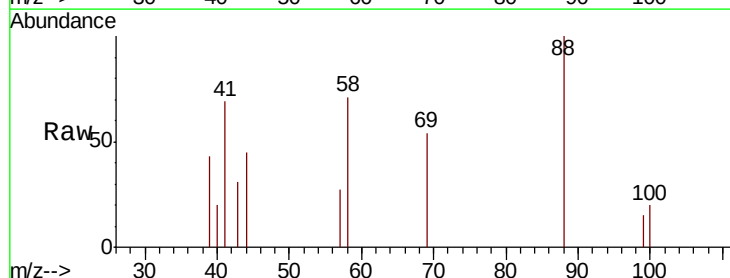
Manual Integrations
APPROVED

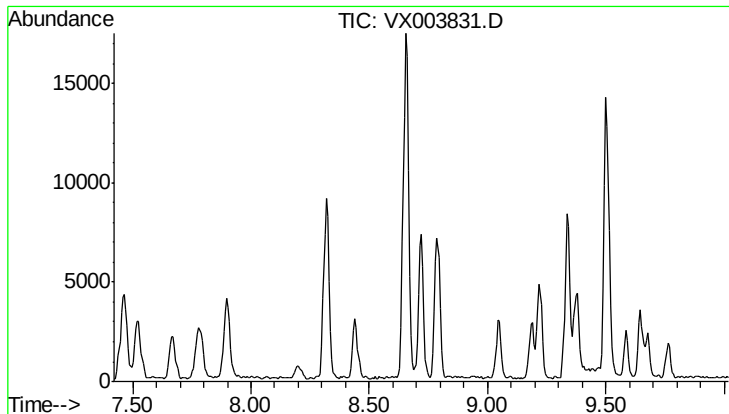
MMDadoda
8/6/2018 1:35:31 PM



#49
1,4-Dioxane
Concen: 19.40 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.3	24.4	36.6
58	71.3	56.5	84.7





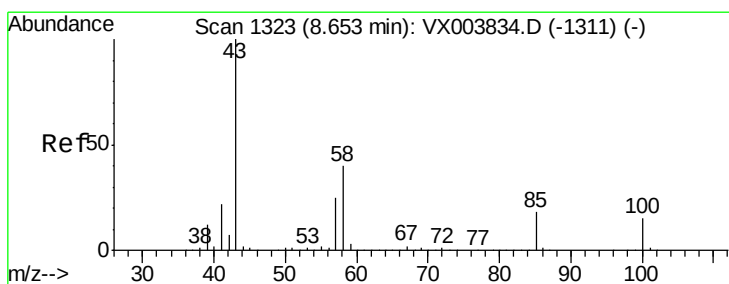
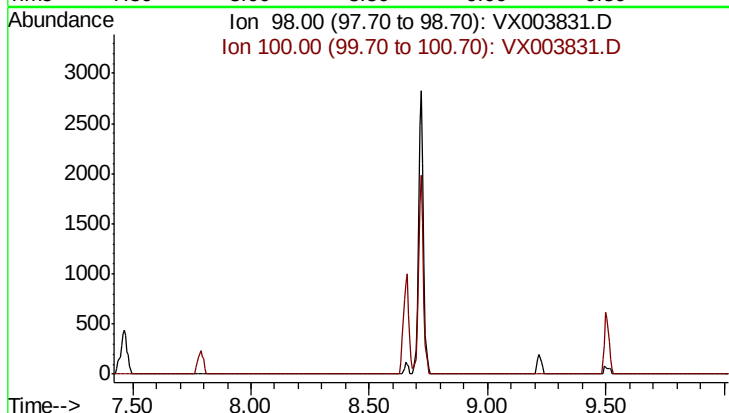
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 8.72 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.3

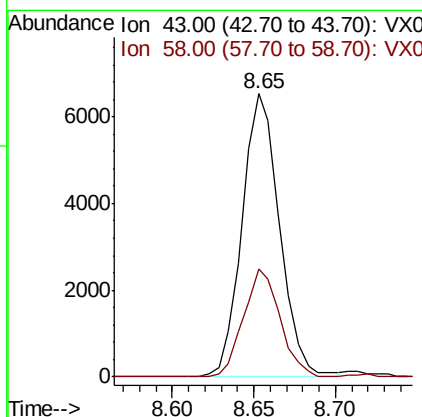
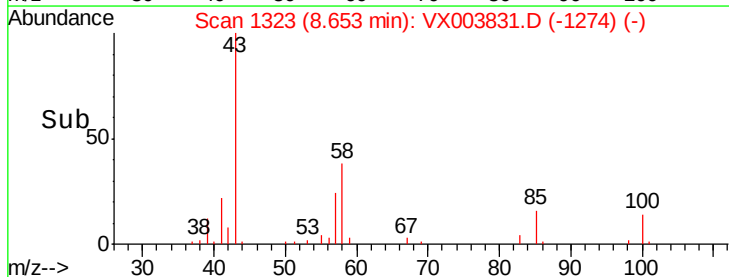
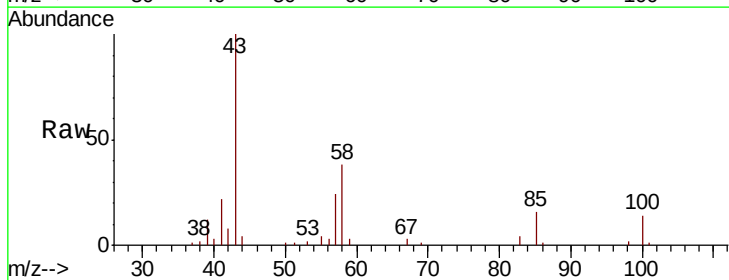
Manual Integrations
APPROVED

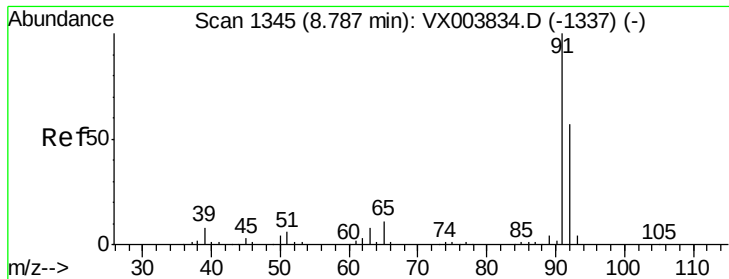
MMDadoda
8/6/2018 1:35:31 PM



#51
4-Methyl-2-Pentanone
Concen: 5.03 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion: 43 Resp: 10467
Ion Ratio Lower Upper
43 100
58 36.9 32.2 48.2





#52

Toluene

Concen: 0.87 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 2700

Ion Ratio Lower Upper

92 100

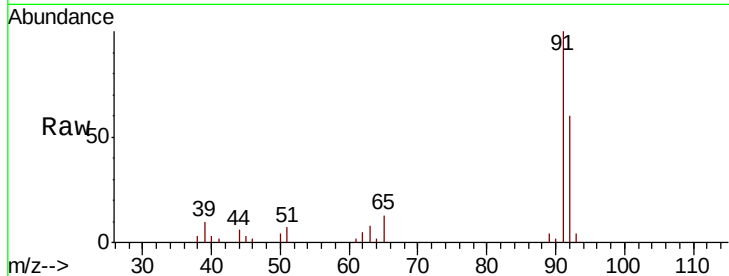
91 178.7 140.2 210.2

Manual Integrations

APPROVED

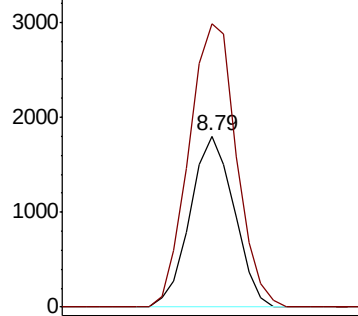
MMDadoda

8/6/2018 1:35:31 PM

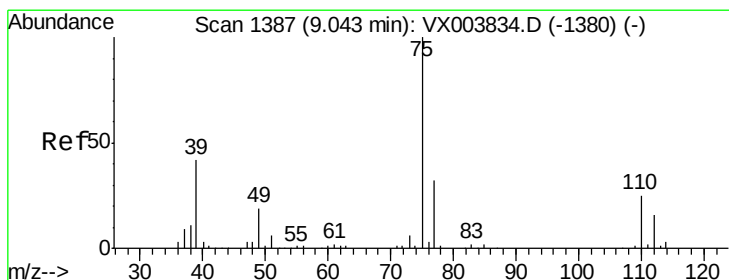
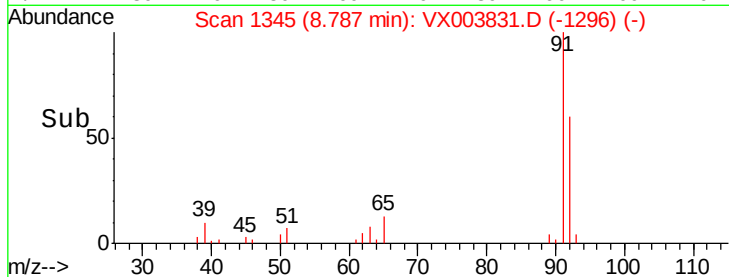


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.86 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003831.D

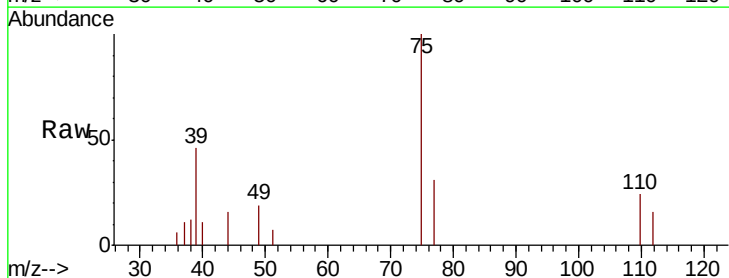
Acq: 02 Aug 2018 18:55

Tgt Ion: 75 Resp: 1494

Ion Ratio Lower Upper

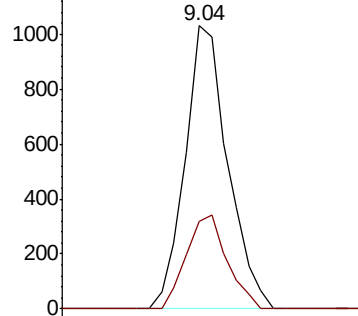
75 100

77 31.0 25.3 37.9

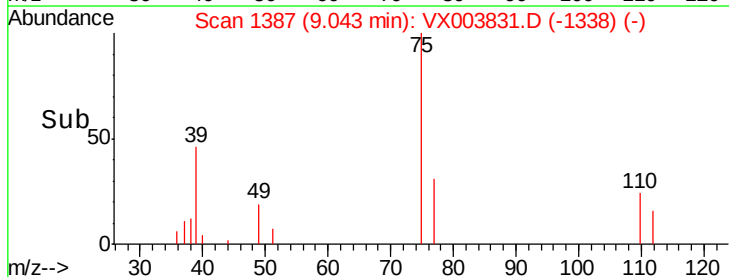


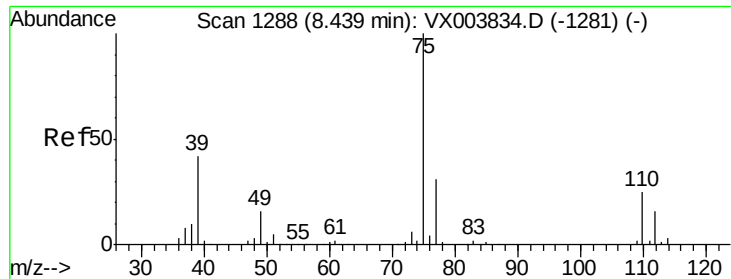
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.83 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

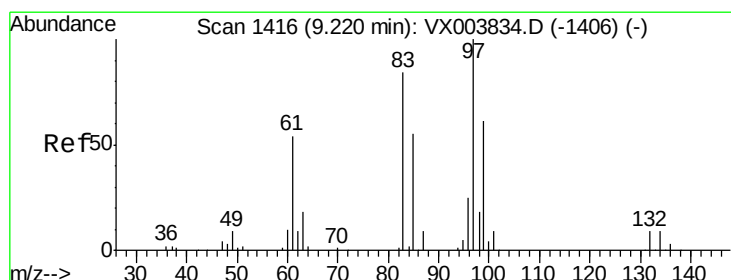
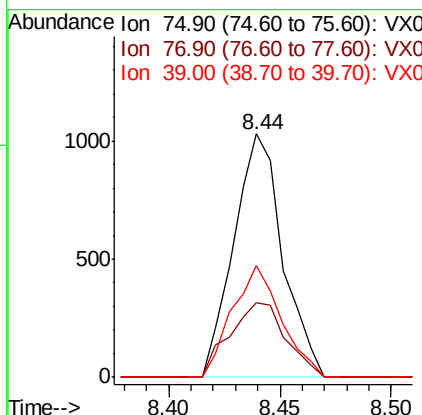
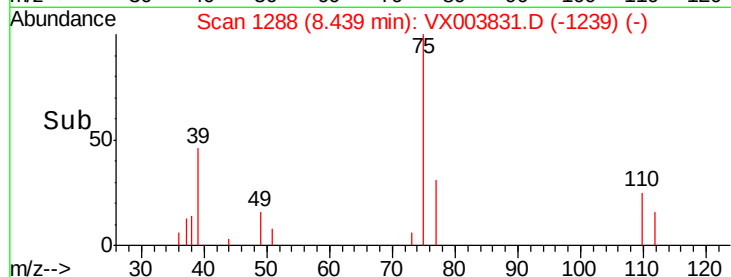
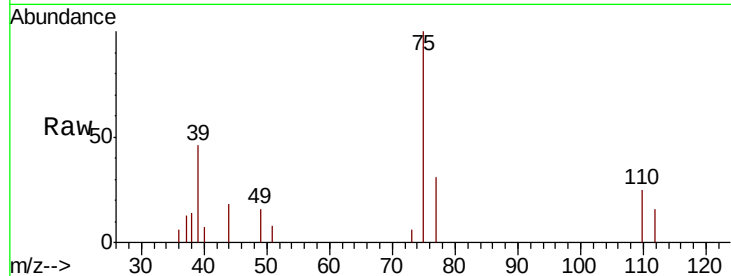
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	1574
Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8
39	45.8	33.5	50.3

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.02 ug/l

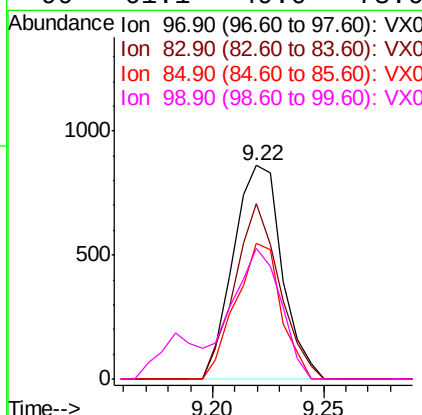
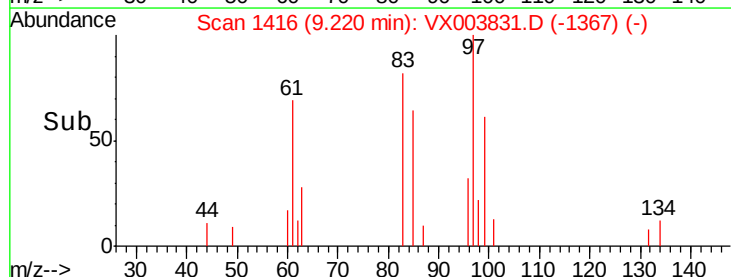
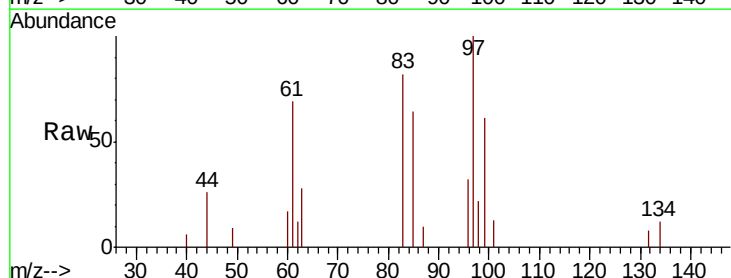
RT: 9.22 min Scan# 1416

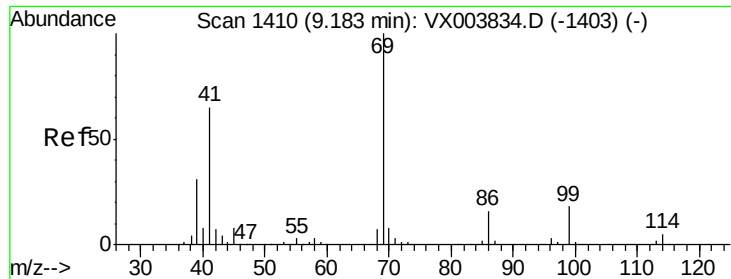
Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Tgt Ion:	97	Resp:	1313
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.4	101.2
85	63.8	43.9	65.9
99	61.1	49.0	73.6





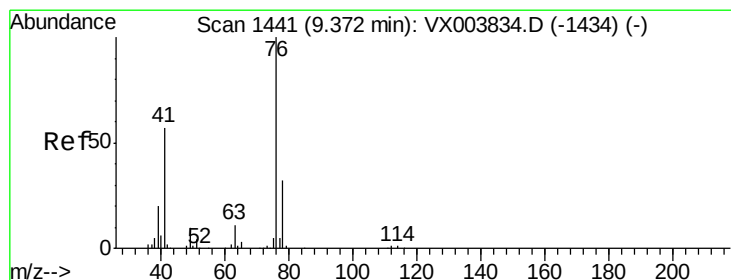
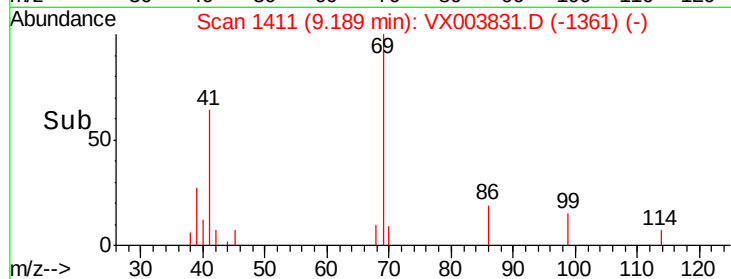
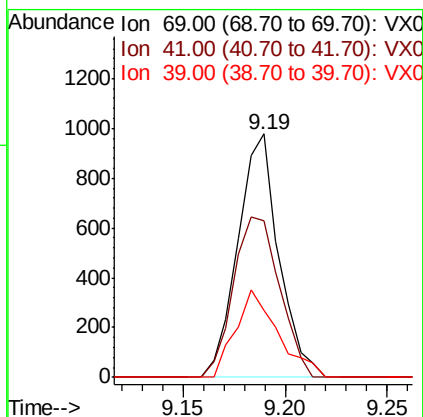
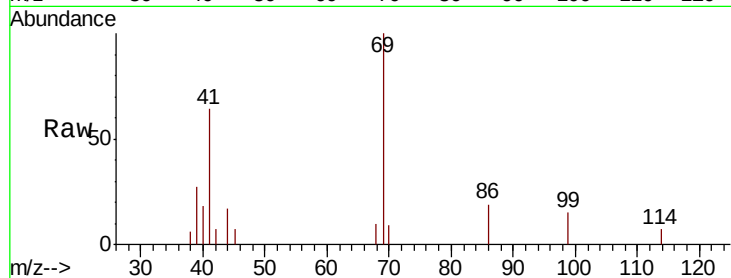
#56
Ethyl methacrylate
Concen: 0.72 ug/l
RT: 9.19 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	74.5	51.1	76.7
39	37.3	24.7	37.1#

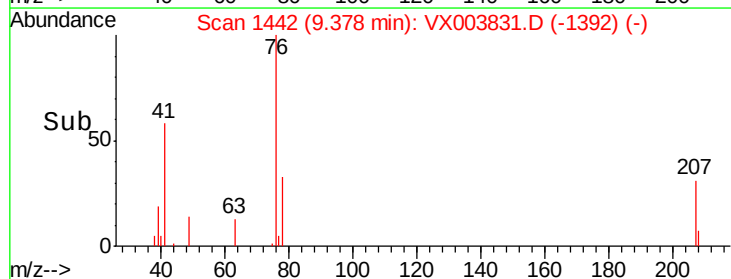
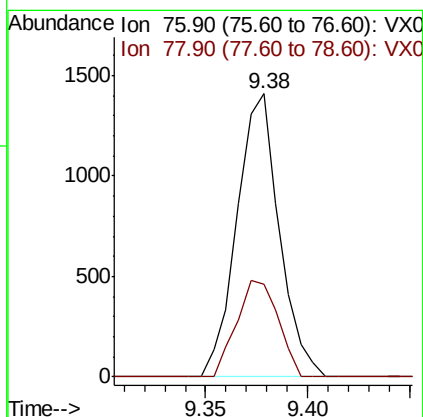
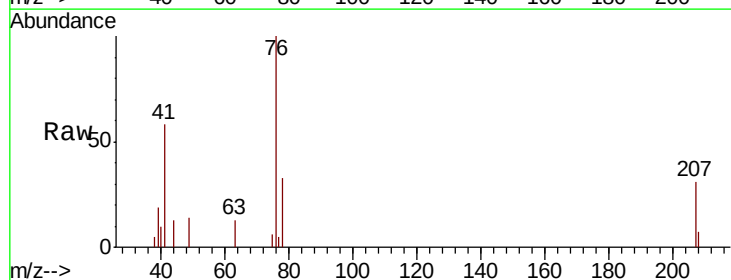
Manual Integrations
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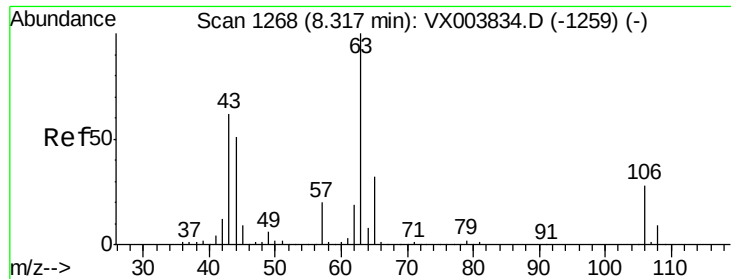
MMDadoda
8/6/2018 1:35:31 PM



#57
1,3-Dichloropropane
Concen: 0.95 ug/l
RT: 9.38 min Scan# 1442
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.7	38.5





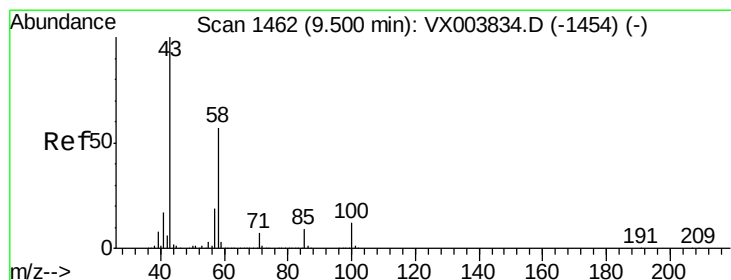
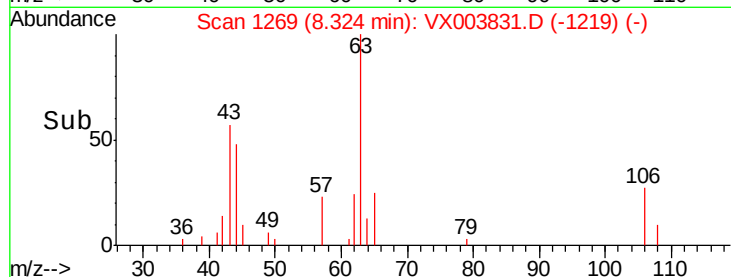
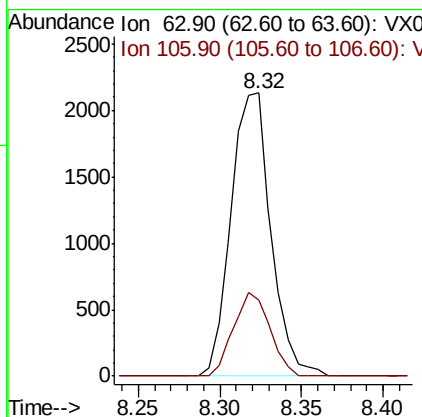
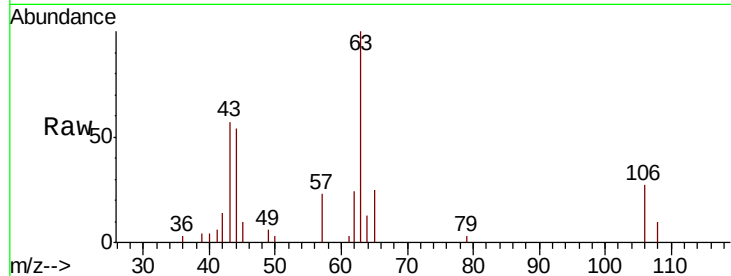
#58
2-Chloroethyl Vinyl ether
Concen: 3.80 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 3642
Ion Ratio Lower Upper
63 100
106 26.9 22.6 34.0

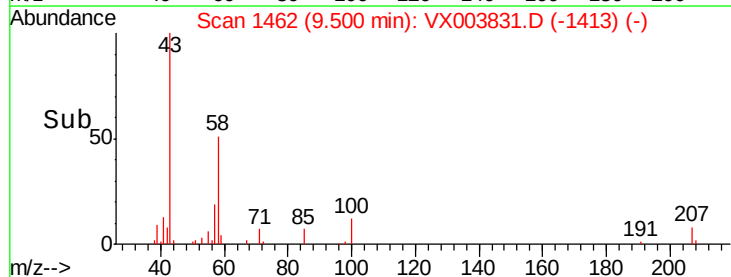
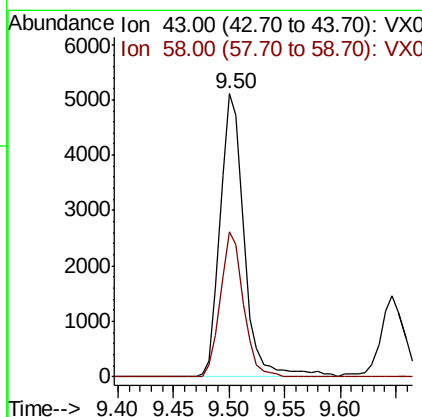
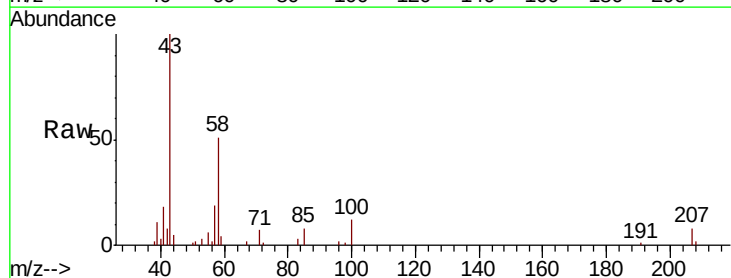
Manual Integrations
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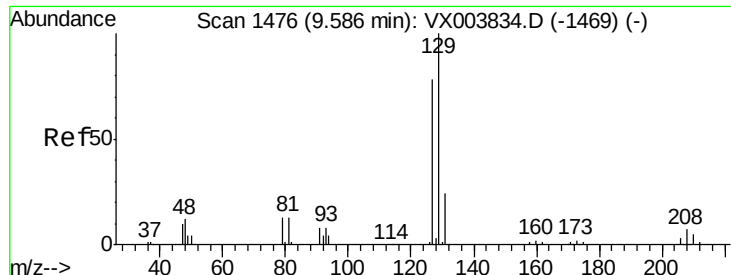
MMDadoda
8/6/2018 1:35:31 PM



#59
2-Hexanone
Concen: 4.79 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion: 43 Resp: 7644
Ion Ratio Lower Upper
43 100
58 48.7 28.2 84.7





#60

Dibromochloromethane

Concen: 0.89 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 1090

Ion Ratio Lower Upper

129 100

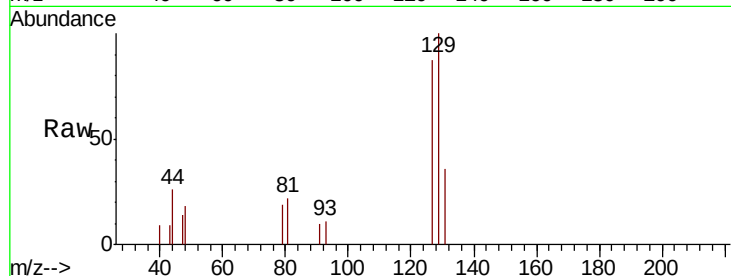
127 76.8 39.0 116.9

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

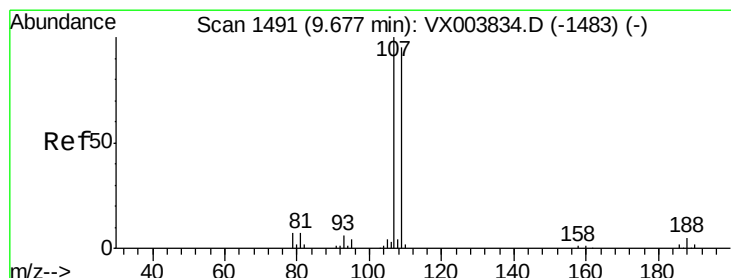
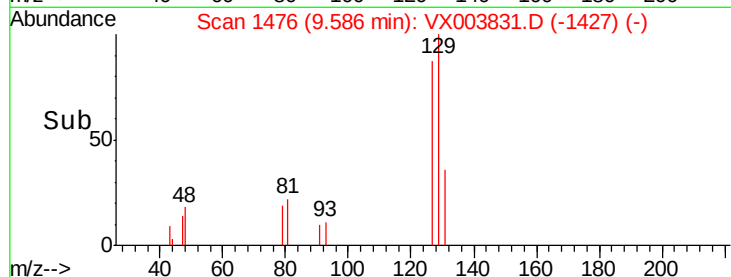
600

400

200

0

Time-->



#61

1,2-Dibromoethane

Concen: 0.91 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003831.D

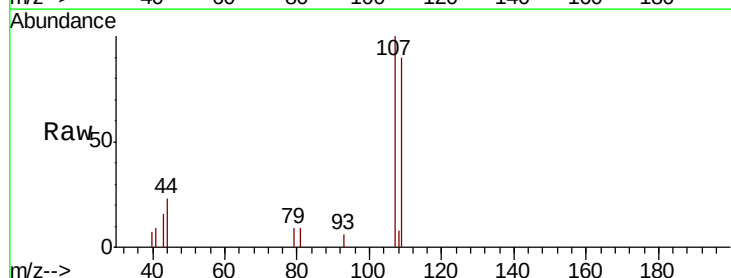
Acq: 02 Aug 2018 18:55

Tgt Ion:107 Resp: 1224

Ion Ratio Lower Upper

107 100

109 93.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

1000

800

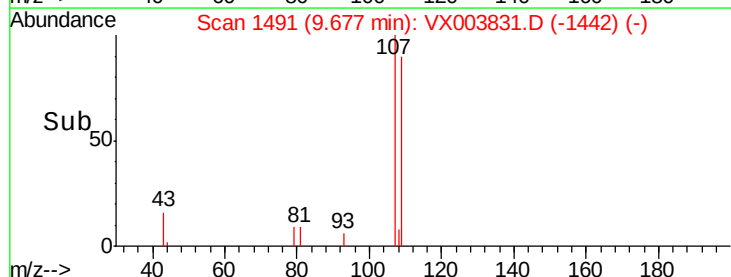
600

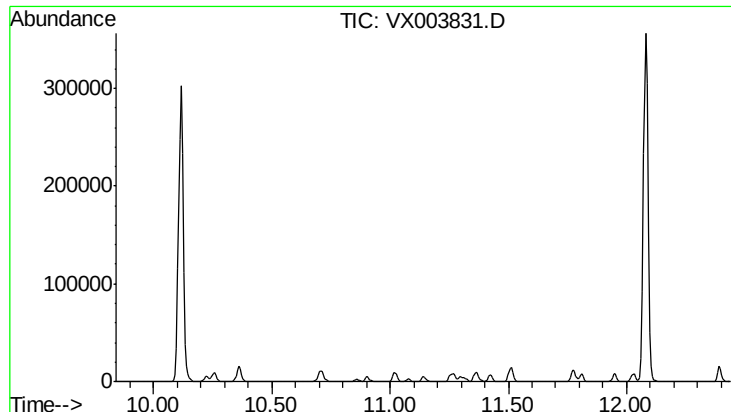
400

200

0

Time-->





#62
4-Bromofluorobenzene
Concen: 0.00 ug/l
Expected RT: 11.14 min

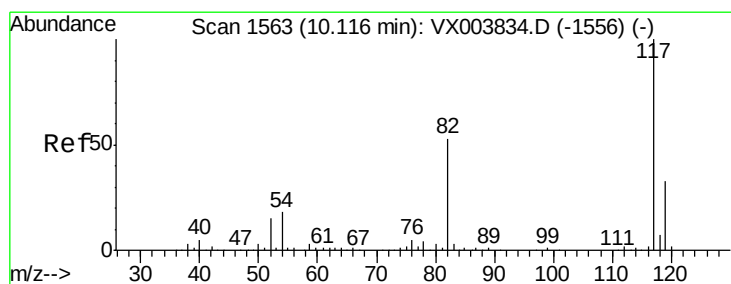
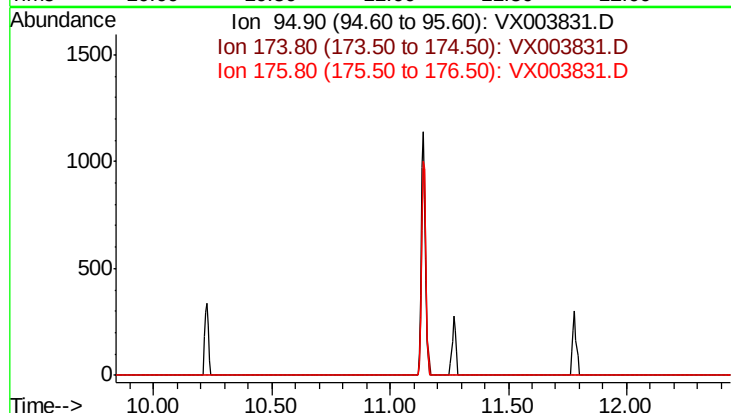
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	96.1
176	92.9

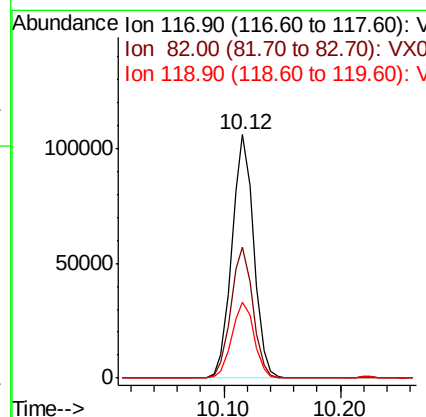
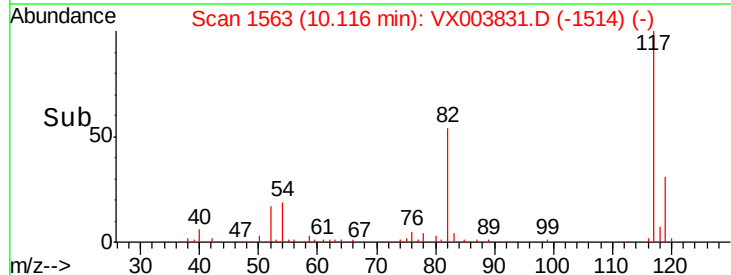
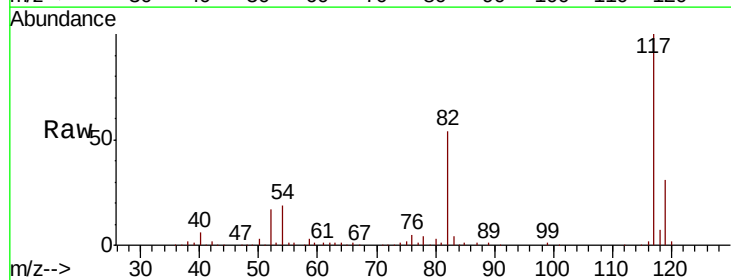
Manual Integrations
APPROVED

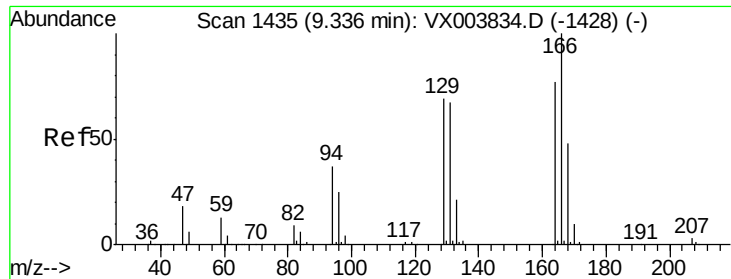
MMDadoda
8/6/2018 1:35:31 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	117	Resp	137893
Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	31.3	26.2	39.2





#64

Tetrachloroethene

Concen: 1.16 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 1436

Ion Ratio Lower Upper

164 100

166 121.4 103.7 155.5

129 87.2 71.9 107.9

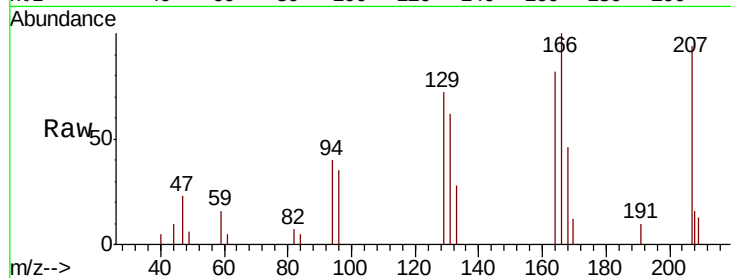
131 74.8 69.4 104.2

Manual Integrations

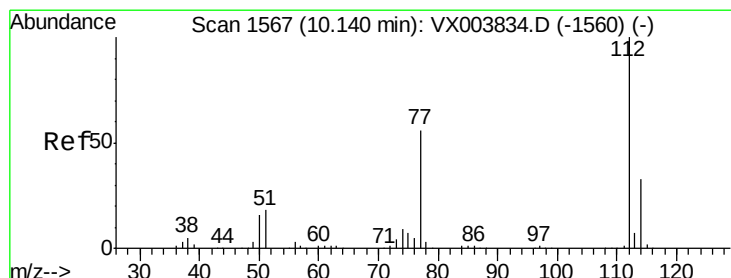
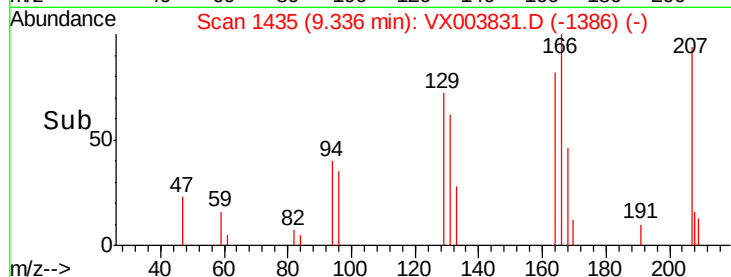
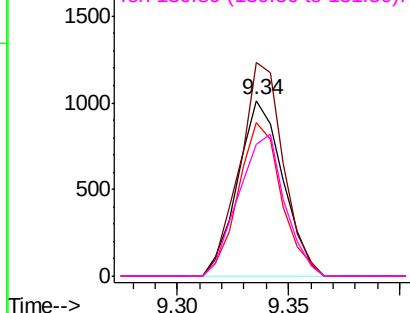
APPROVED

MMDadoda

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.05 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003831.D

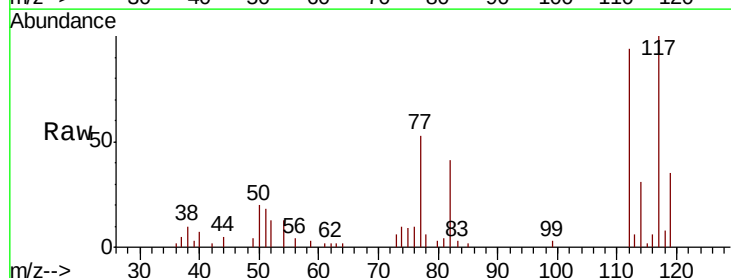
Acq: 02 Aug 2018 18:55

Tgt Ion:112 Resp: 3621

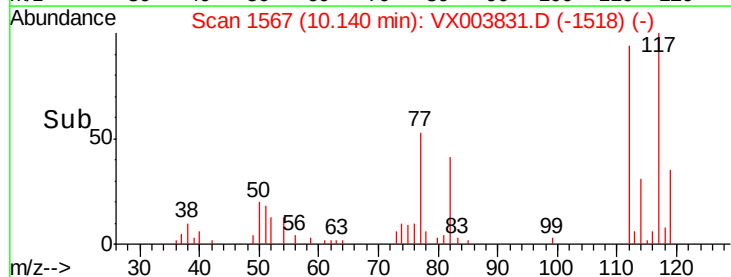
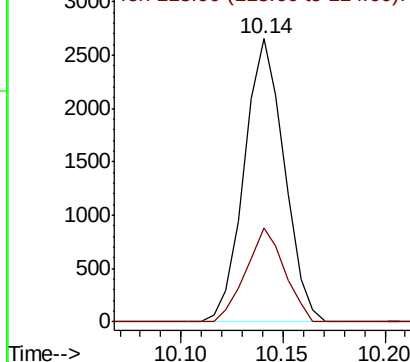
Ion Ratio Lower Upper

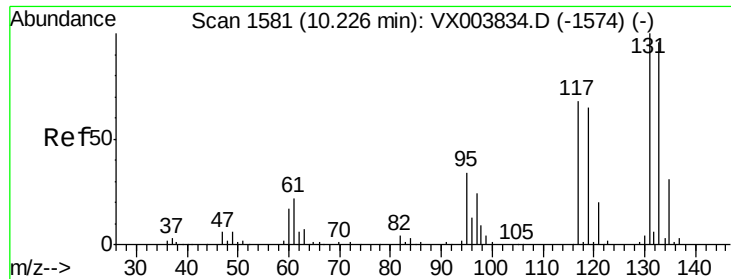
112 100

114 33.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





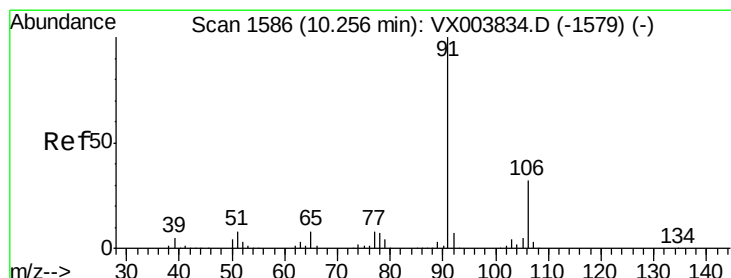
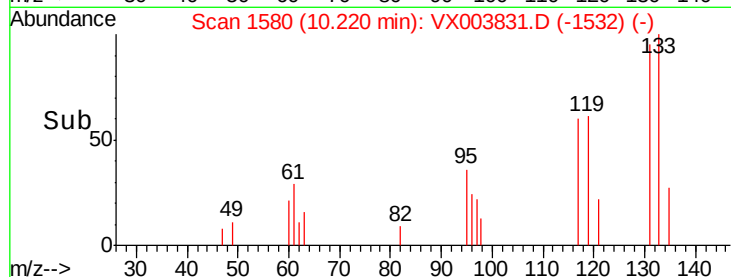
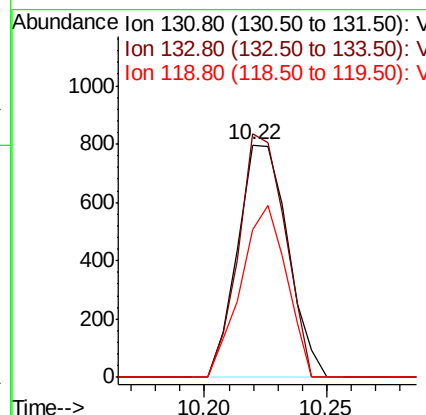
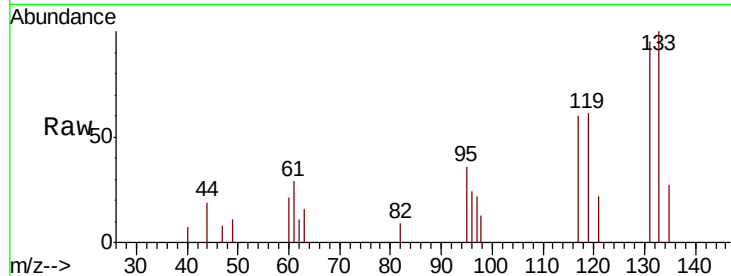
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.95 ug/l
 RT: 10.22 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.9	143.8
119	0.0	32.8	98.3#

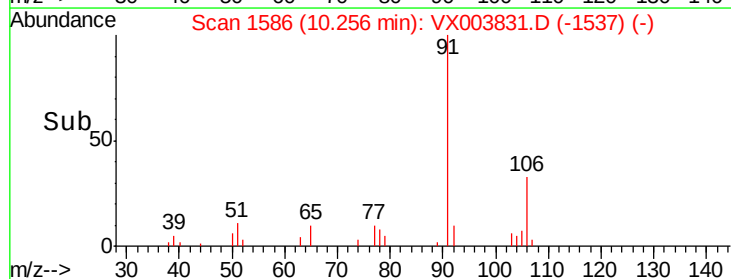
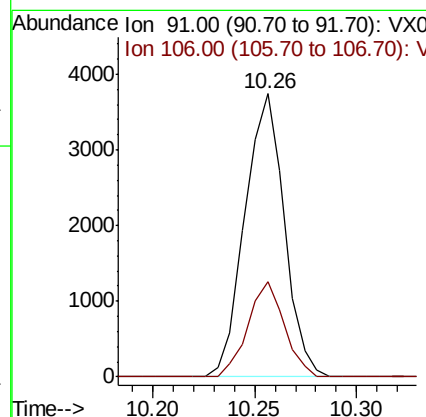
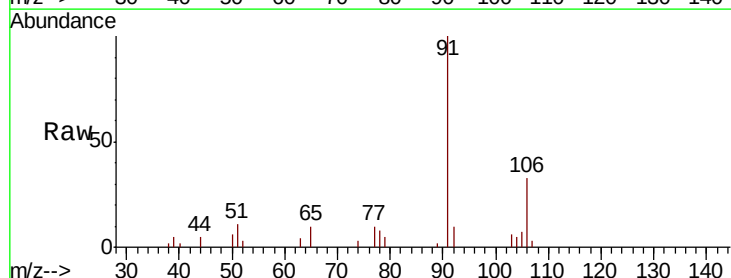
Manual Integrations
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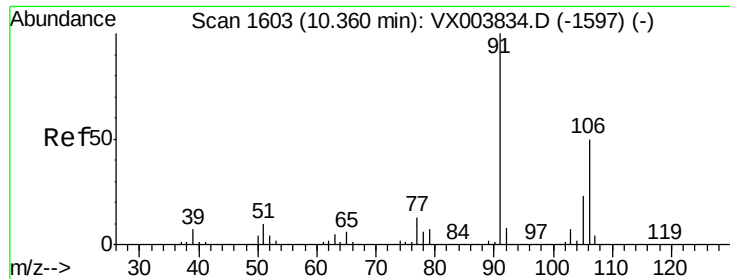
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#67
 Ethyl Benzene
 Concen: 0.88 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.7	38.5





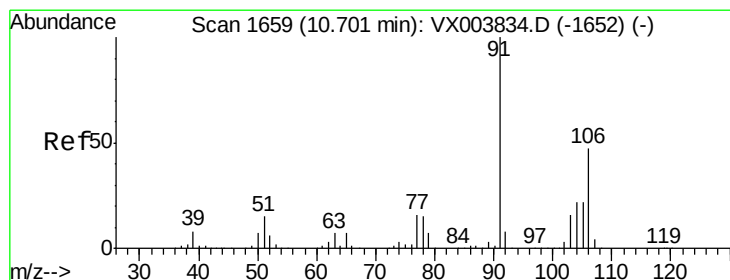
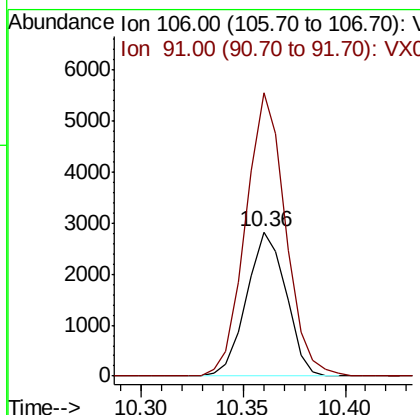
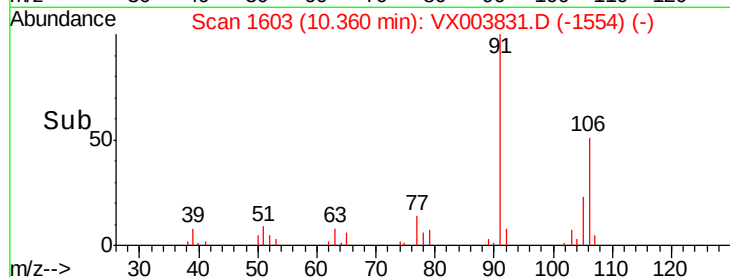
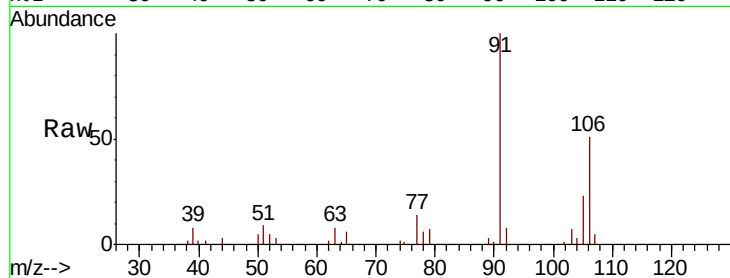
#68
m/p-Xylenes
Concen: 1.72 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 3796
Ion Ratio Lower Upper
106 100
91 199.0 161.3 241.9

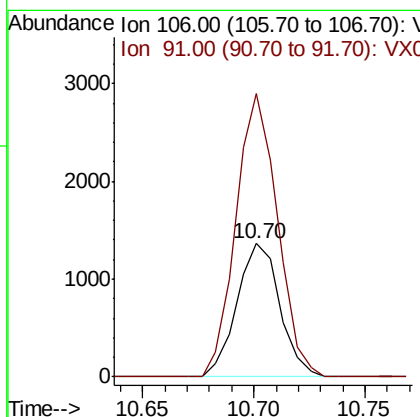
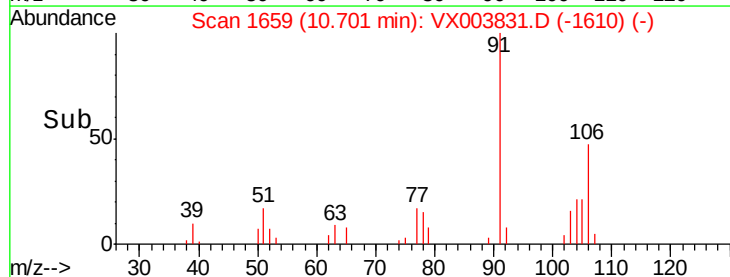
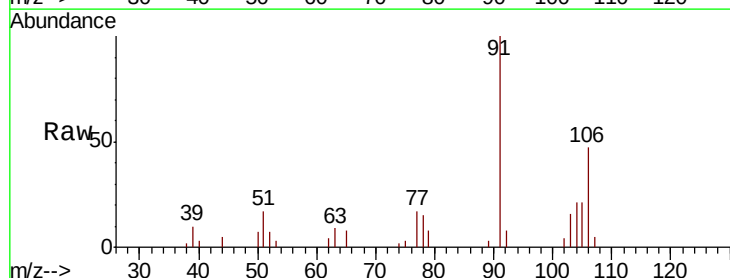
Manual Integrations
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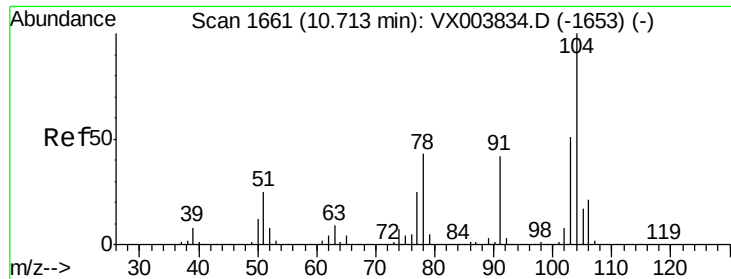
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#69
o-Xylene
Concen: 0.86 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion:106 Resp: 1831
Ion Ratio Lower Upper
106 100
91 205.5 105.7 317.1





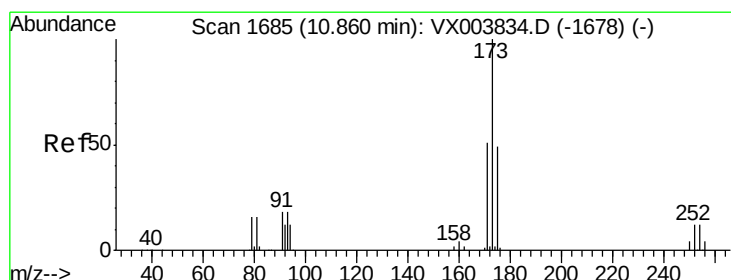
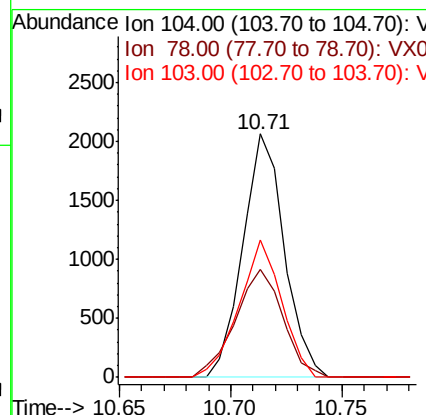
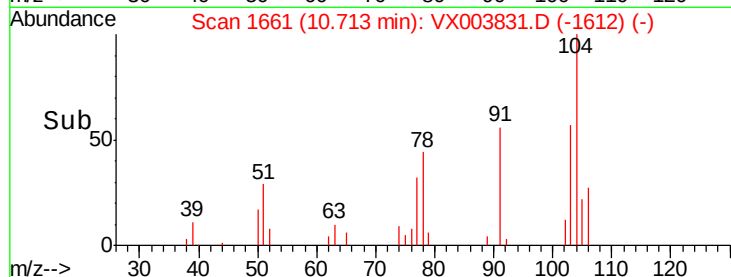
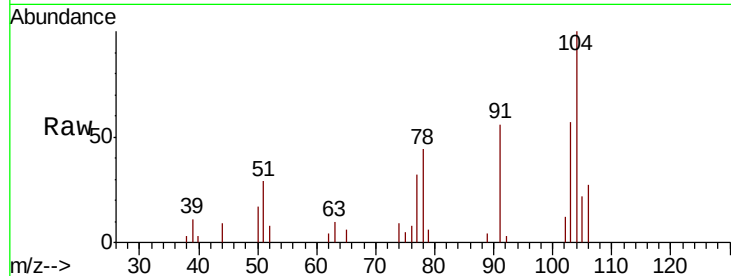
#70
Stvrene
Concen: 0.75 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	37.8	56.8
103	57.7	44.2	66.4

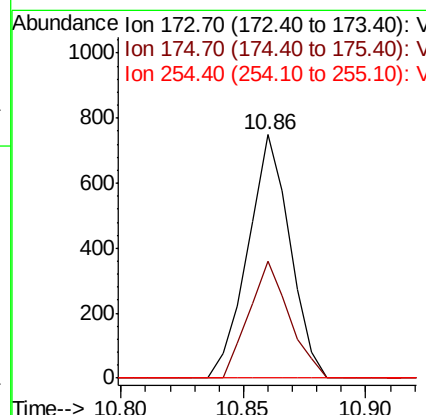
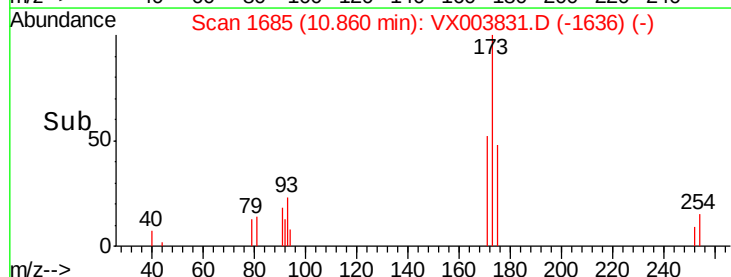
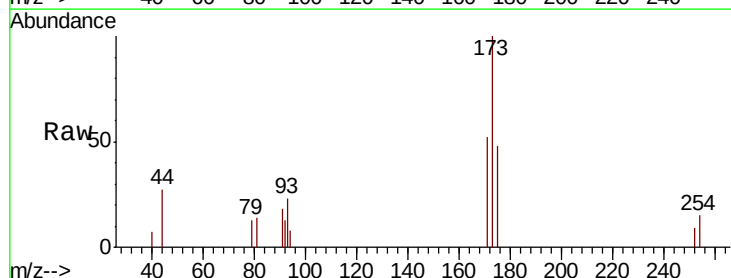
Manual Integrations
APPROVED

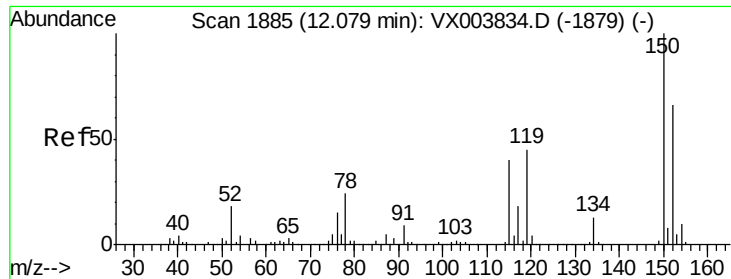
MMDadoda
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#71
Bromoform
Concen: 0.93 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.4	73.2
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 75690

Ion Ratio Lower Upper

152 100

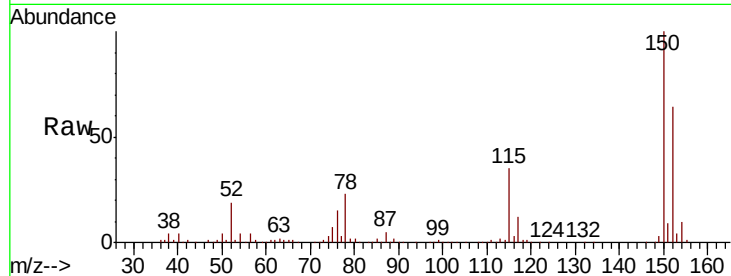
115 54.7 37.4 112.1

150 156.6 0.0 346.6

Manual Integrations
APPROVED

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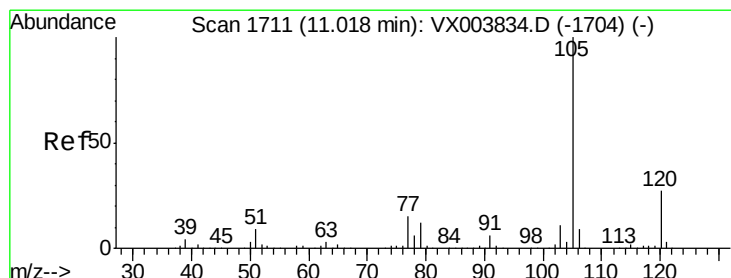
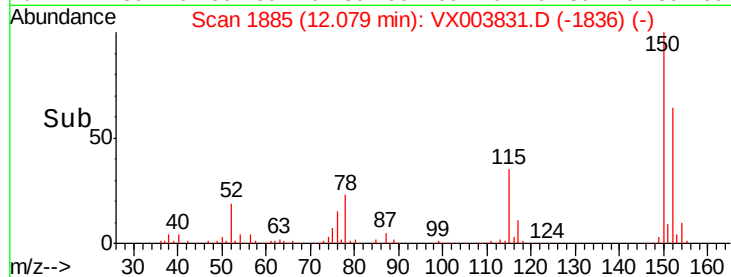
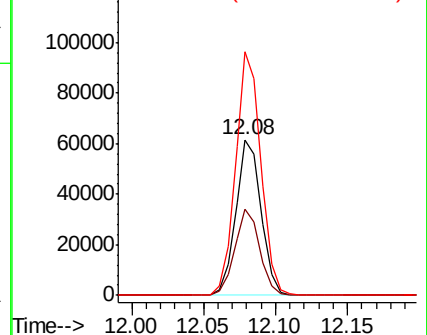
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.92 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003831.D

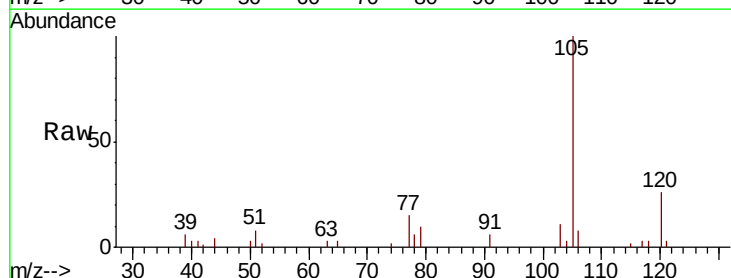
Acq: 02 Aug 2018 18:55

Tgt Ion:105 Resp: 4640

Ion Ratio Lower Upper

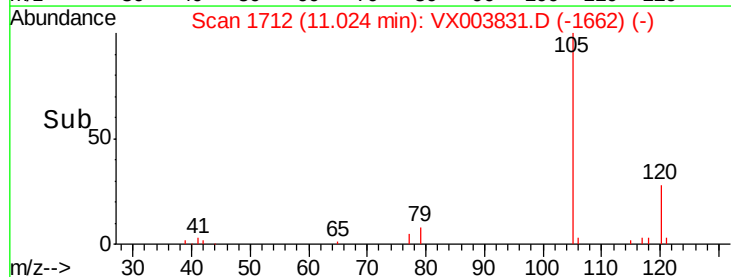
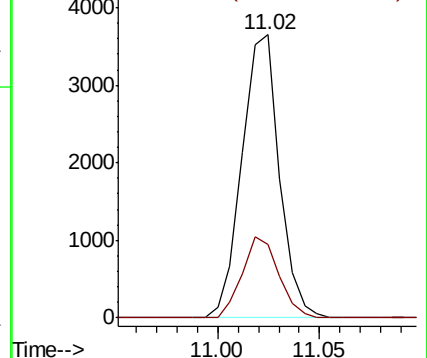
105 100

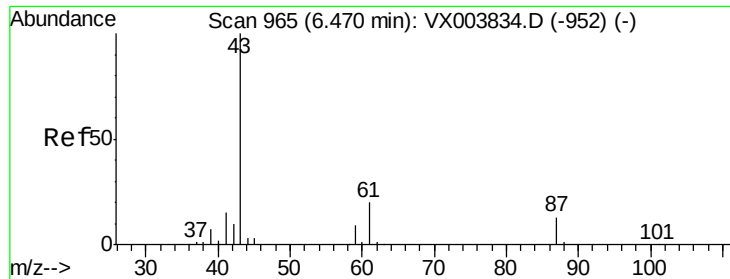
120 28.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

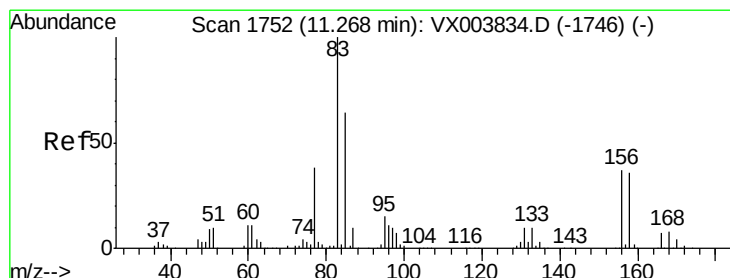
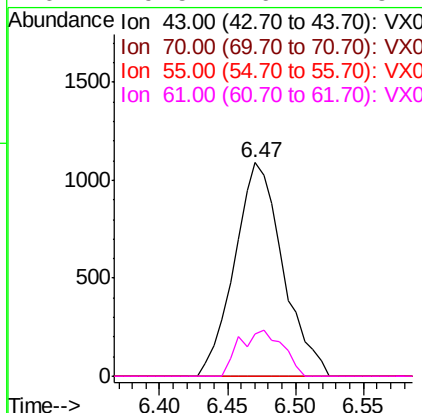
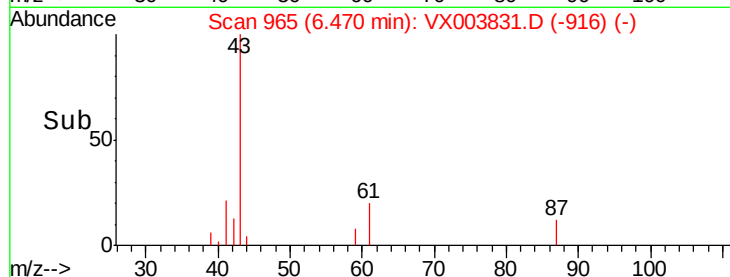
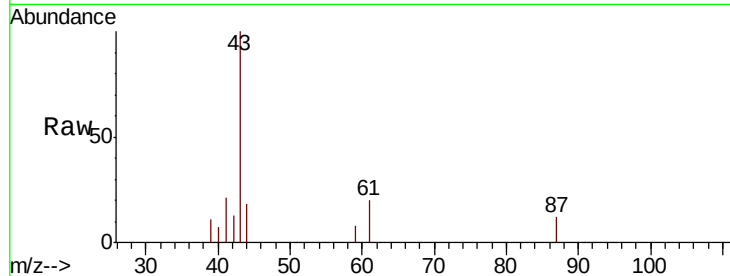
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	2703
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	19.5	16.7	25.1

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.02 ug/l

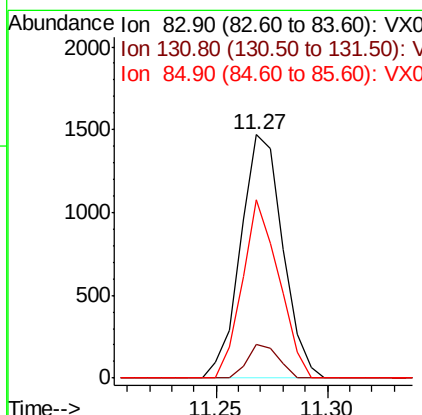
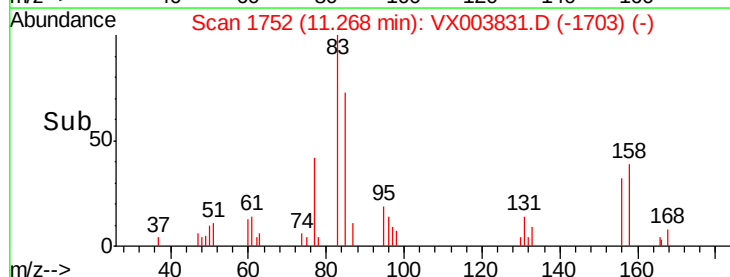
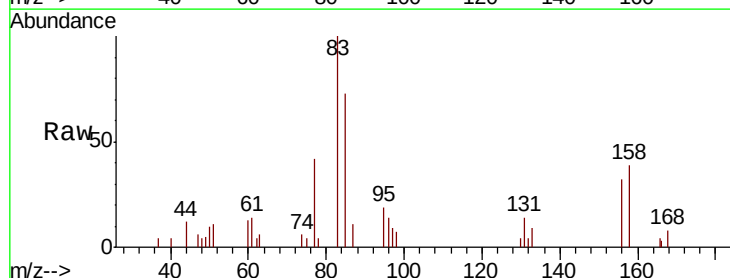
RT: 11.27 min Scan# 1752

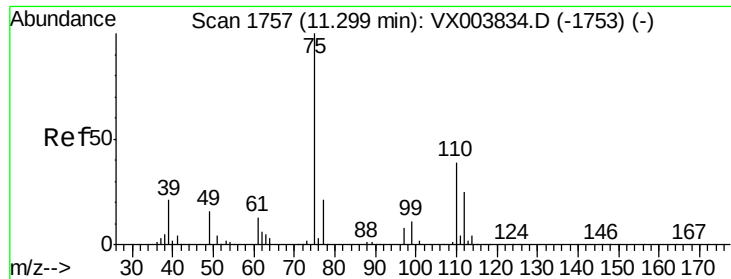
Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Tgt Ion:	83	Resp:	1940
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	63.5	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 1.07 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 1696

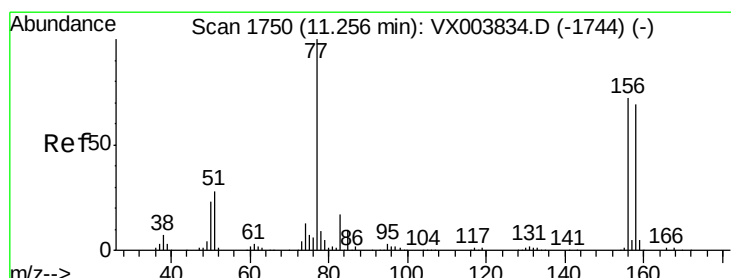
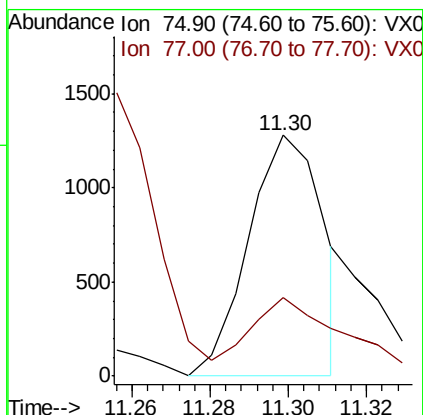
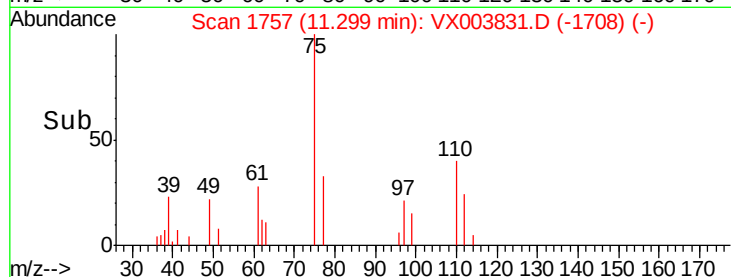
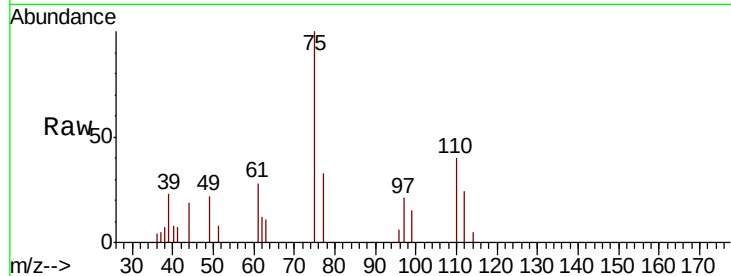
Ion Ratio Lower Upper

75 100

77 41.2 21.1 63.3

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#77

Bromobenzene

Concen: 0.99 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

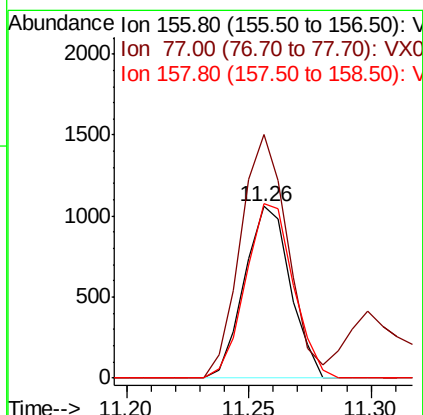
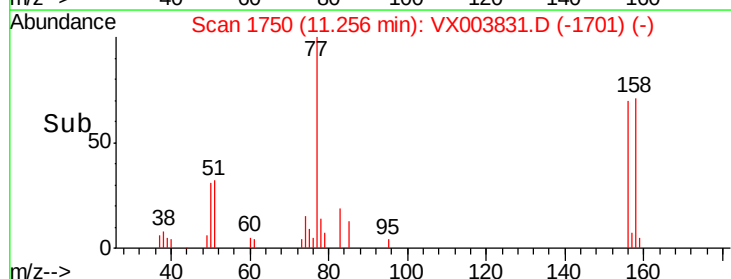
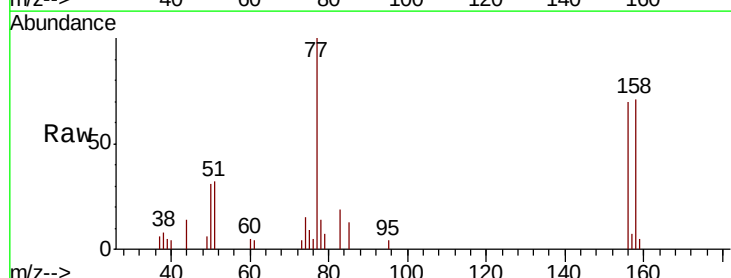
Tgt Ion: 156 Resp: 1388

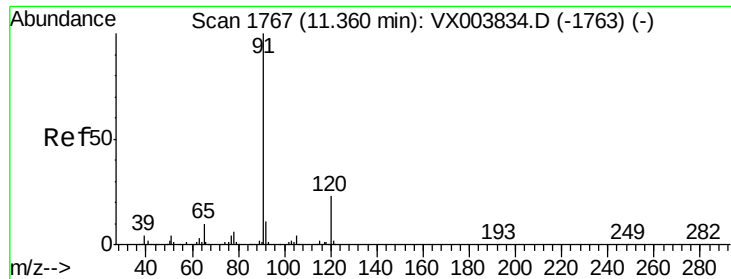
Ion Ratio Lower Upper

156 100

77 145.6 69.0 206.9

158 105.4 48.1 144.4





#78

n-propylbenzene

Concen: 0.86 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 5032

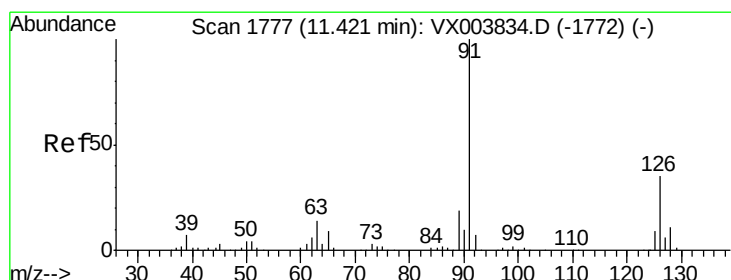
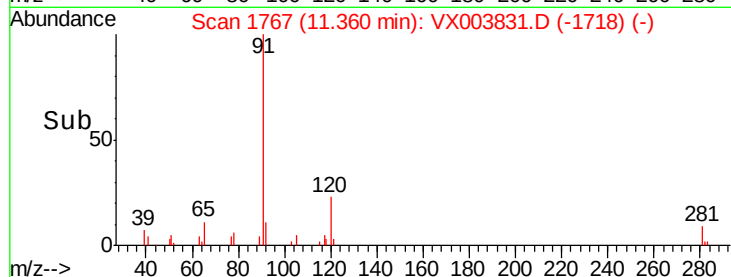
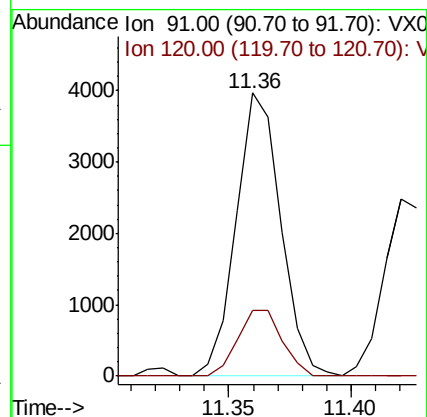
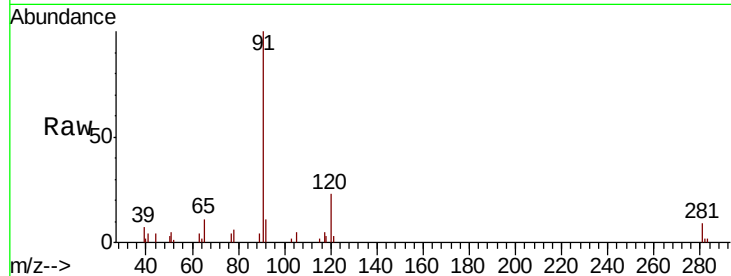
Ion Ratio Lower Upper

91 100

120 23.2 12.1 36.3

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#79

2-Chlorotoluene

Concen: 0.93 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003831.D

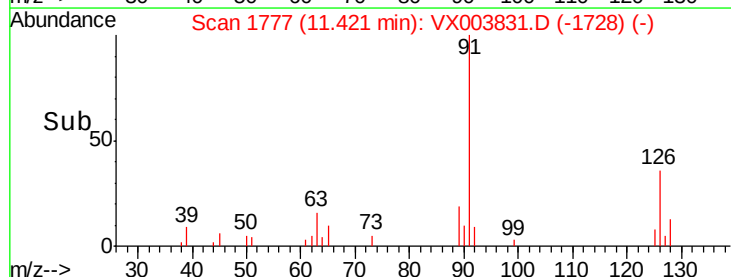
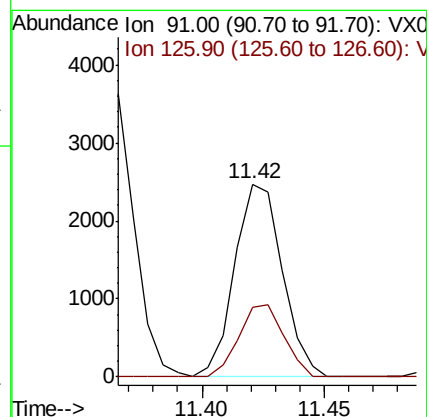
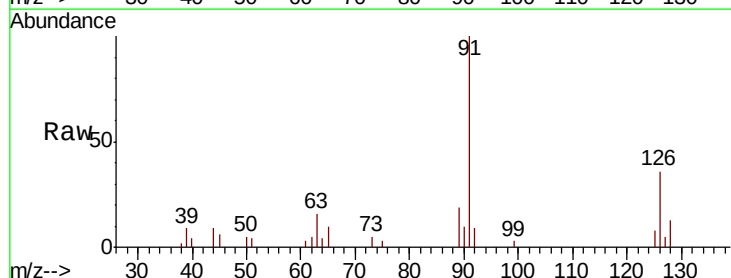
Acq: 02 Aug 2018 18:55

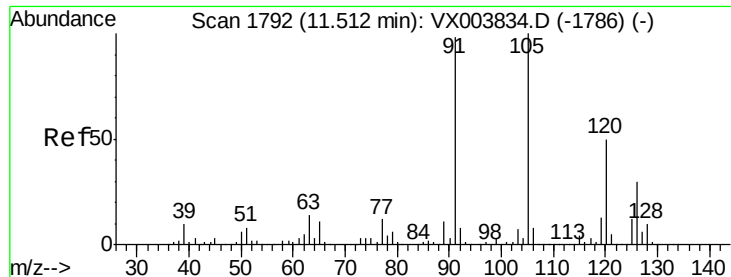
Tgt Ion: 91 Resp: 3348

Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.7





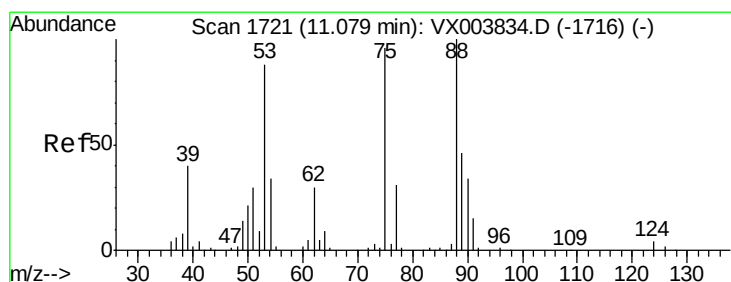
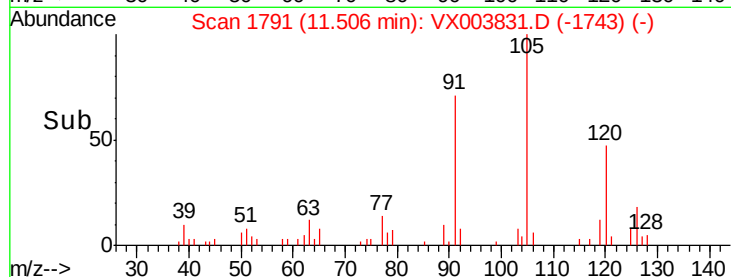
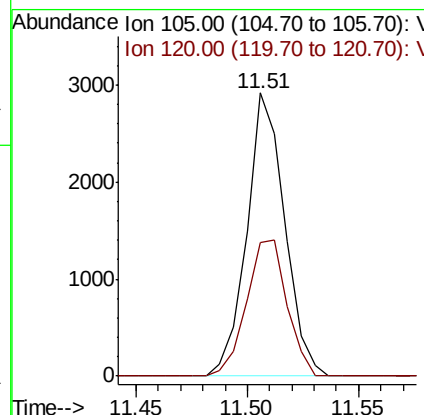
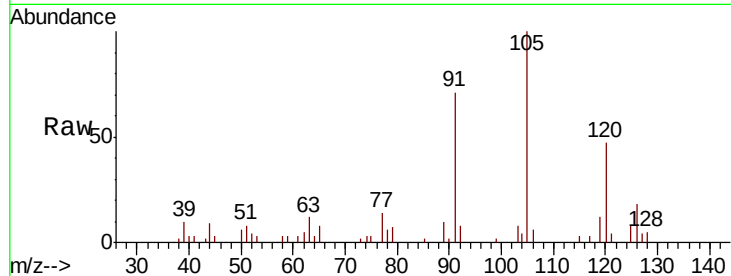
#80
 1,3,5-Trimethylbenzene
 Concen: 0.80 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 3463
 Ion Ratio Lower Upper
 105 100
 120 51.5 24.8 74.4

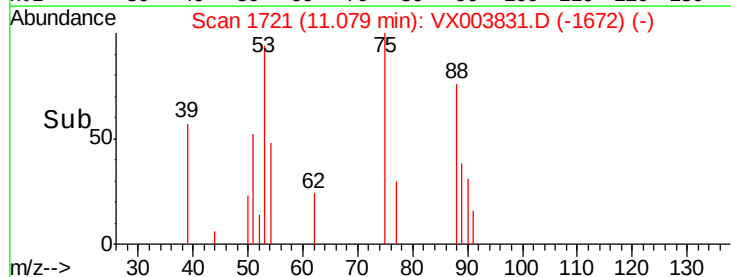
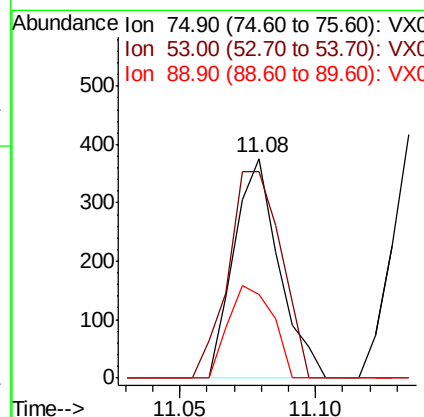
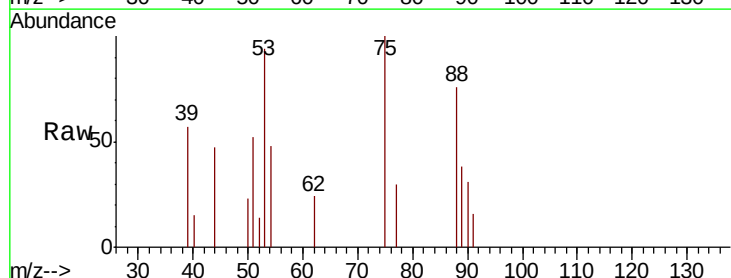
Manual Integrations
 APPROVED

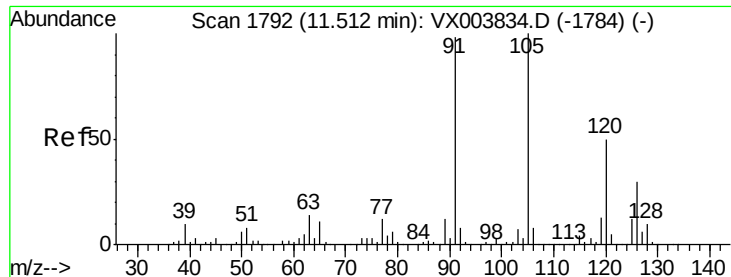
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.85 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion: 75 Resp: 432
 Ion Ratio Lower Upper
 75 100
 53 110.6 74.9 112.3
 89 41.4 36.6 54.8





#82

4-Chlorotoluene

Concen: 0.86 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 3635

Ion Ratio Lower Upper

91 100

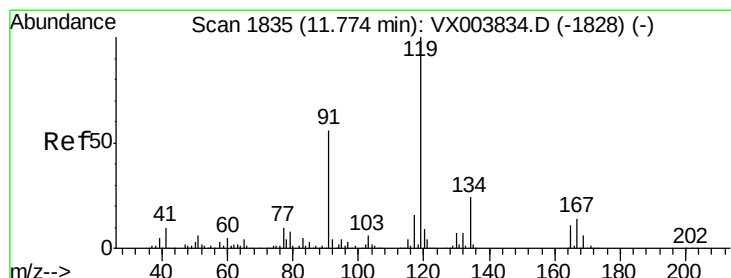
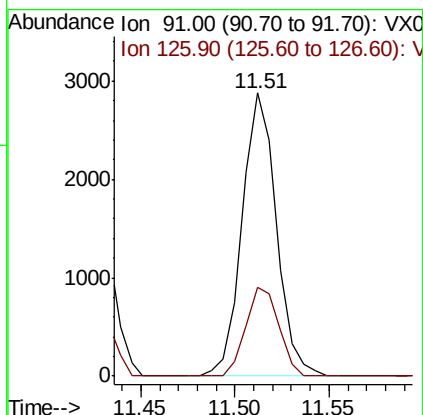
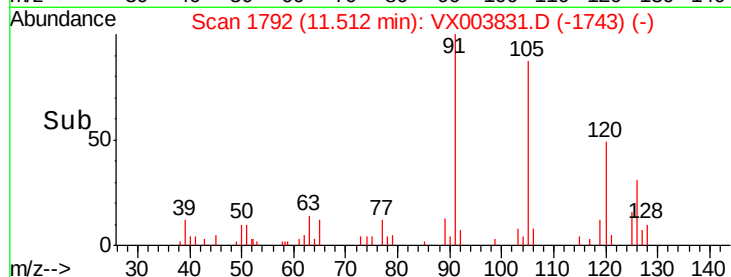
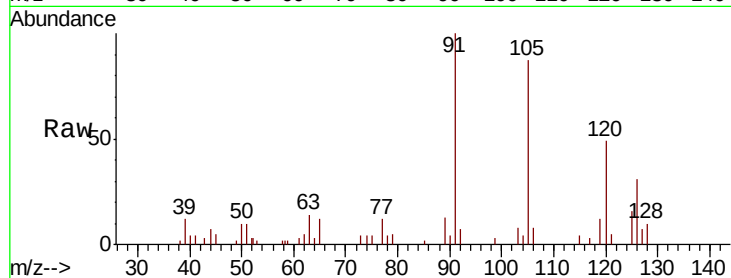
126 30.0 16.0 47.9

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#83

tert-Butylbenzene

Concen: 0.90 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

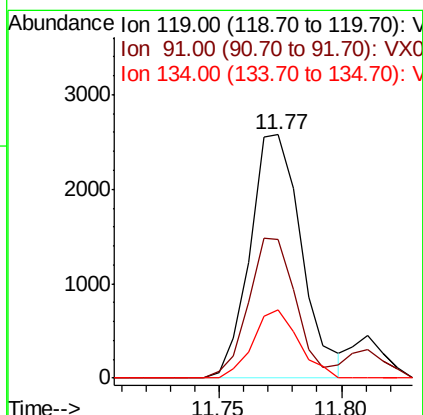
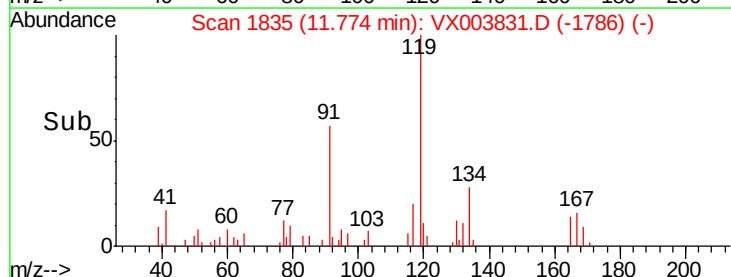
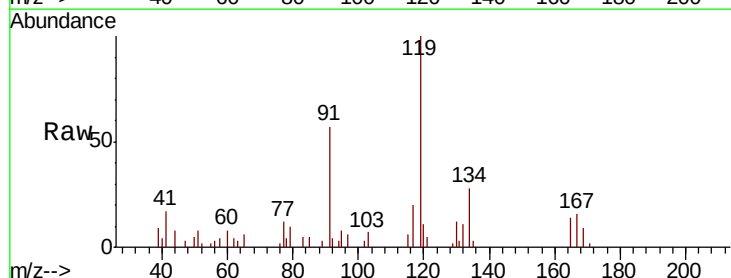
Tgt Ion: 119 Resp: 3775

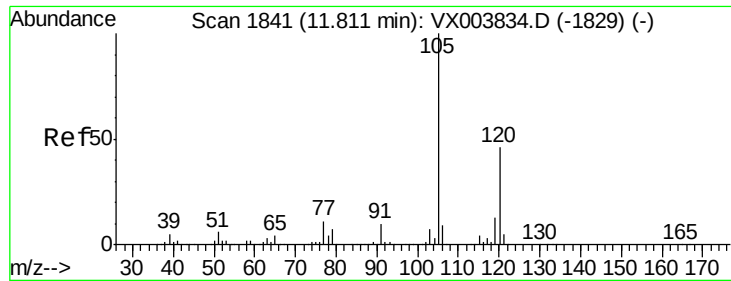
Ion Ratio Lower Upper

119 100

91 52.5 26.6 79.7

134 25.0 11.6 34.7





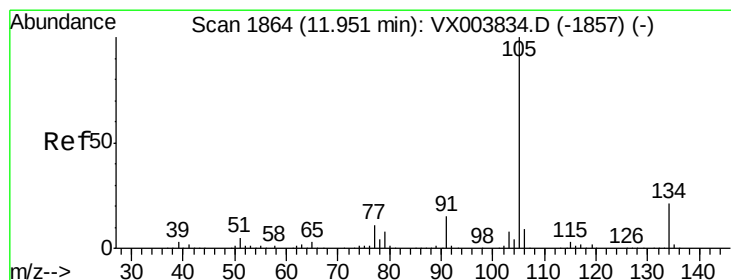
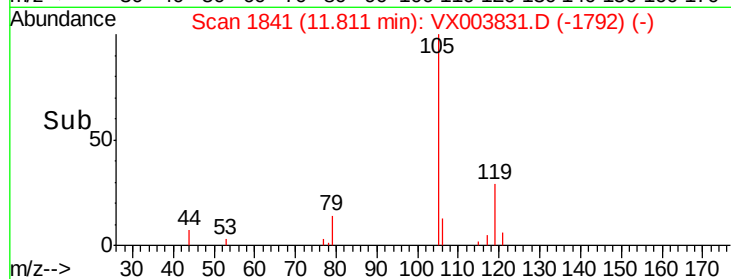
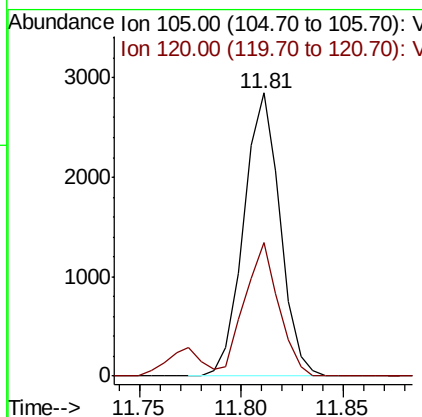
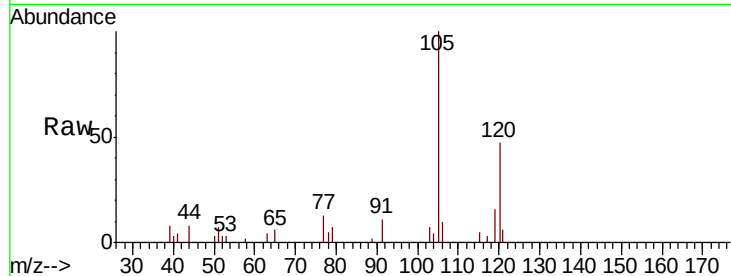
#84
1,2,4-Trimethylbenzene
Concen: 0.79 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:105 Resp: 3520
Ion Ratio Lower Upper
105 100
120 44.6 22.9 68.5

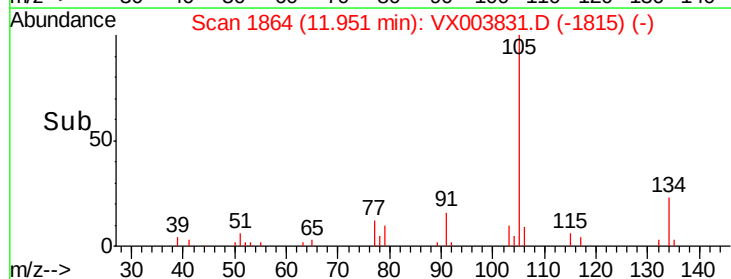
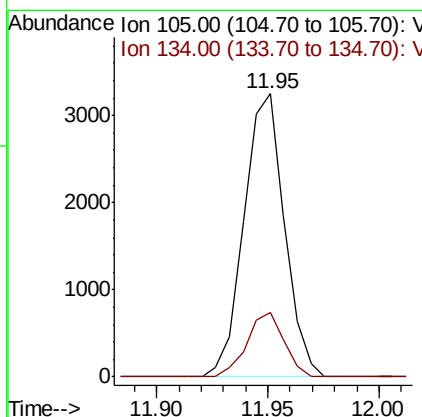
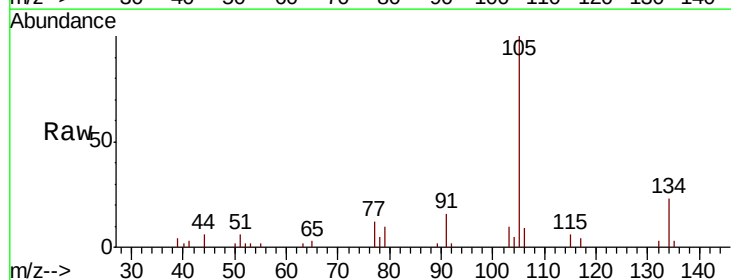
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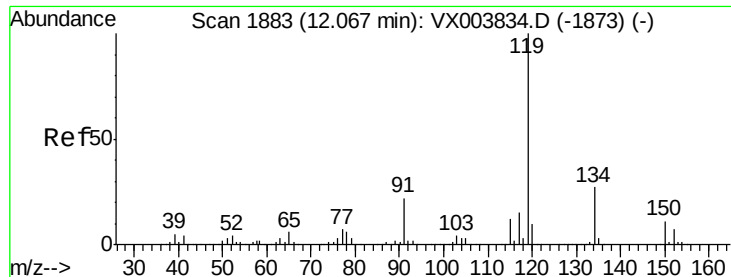
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#85
sec-Butylbenzene
Concen: 0.83 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX003831.D
Acq: 02 Aug 2018 18:55

Tgt Ion:105 Resp: 4126
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.4





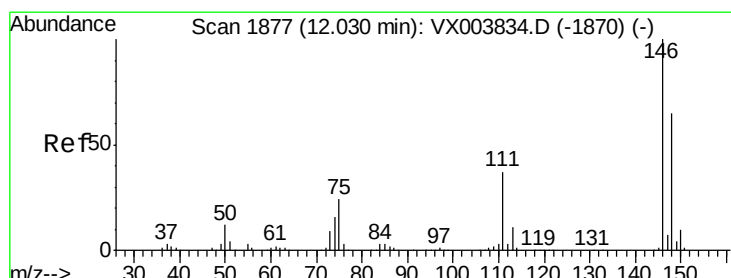
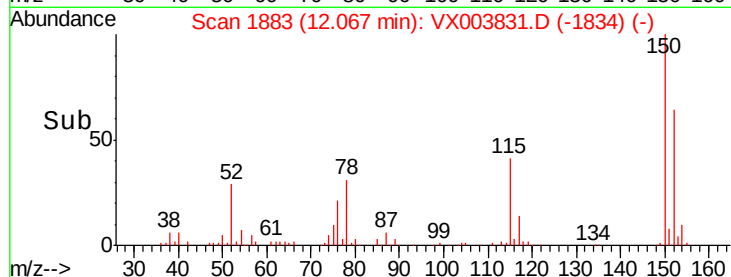
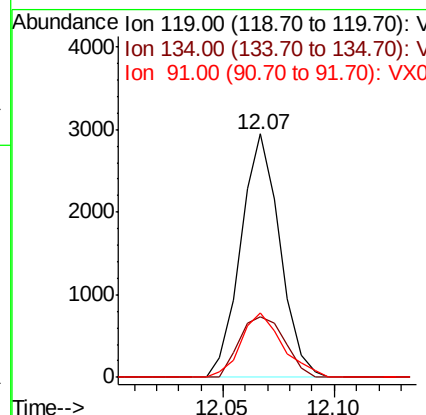
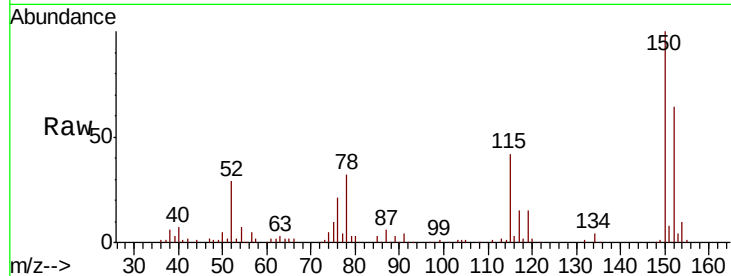
#86
 p-Isopropyltoluene
 Concen: 0.80 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3607		
134	28.9		13.4	40.2
91	28.2		11.1	33.1

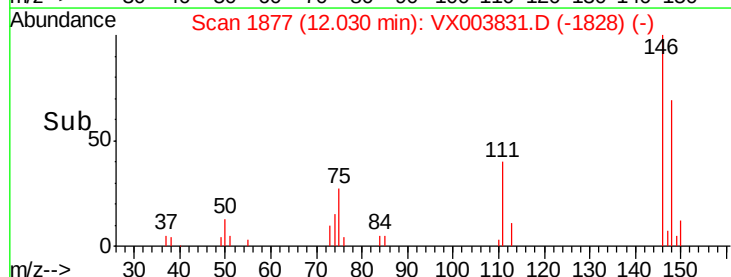
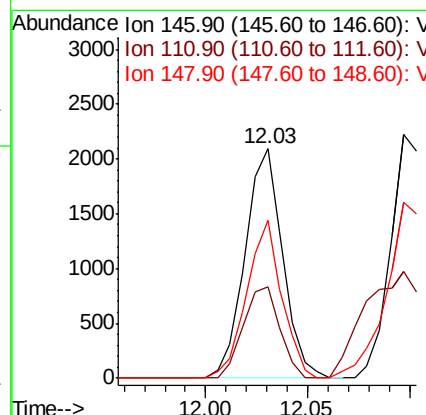
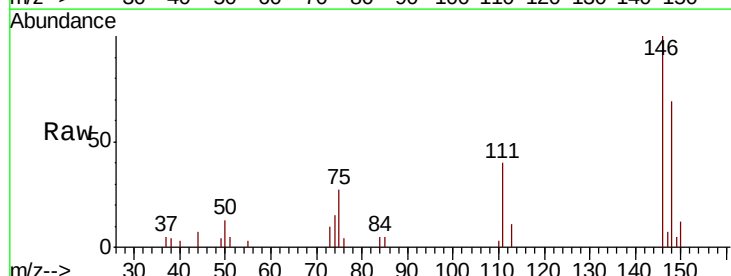
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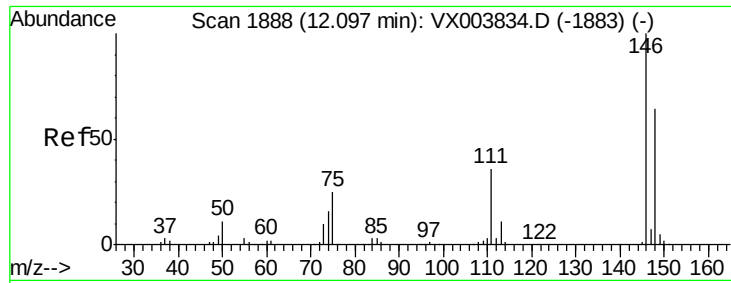
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#87
 1,3-Dichlorobenzene
 Concen: 1.02 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	2674		
111	38.4		18.8	56.4
148	64.3		32.2	96.6





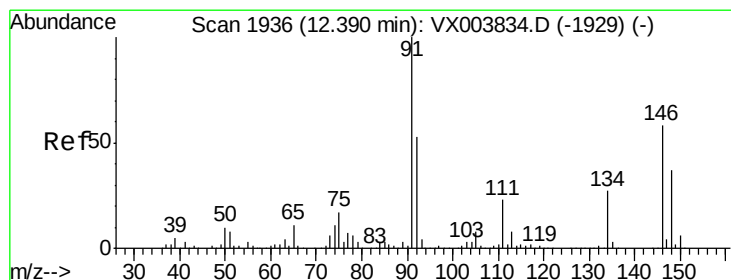
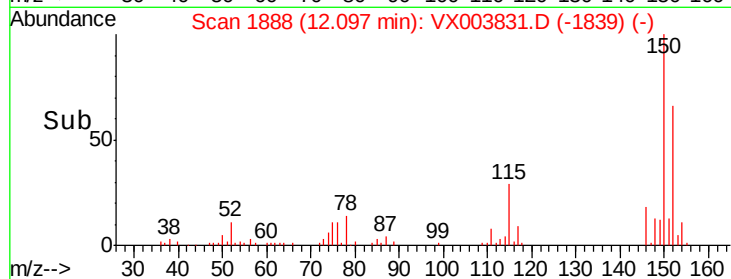
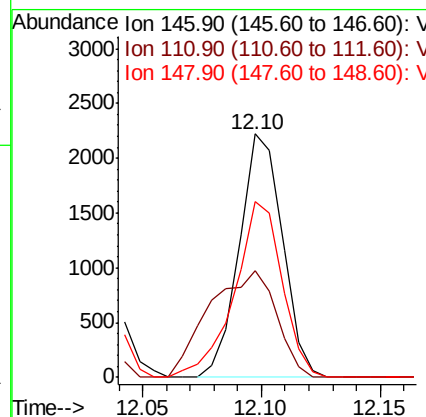
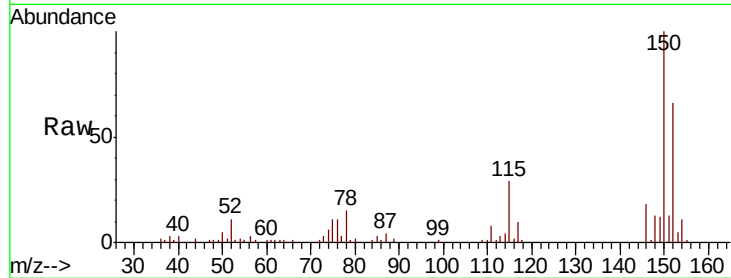
#88
 1,4-Dichlorobenzene
 Concen: 1.03 ug/l m
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.3
148	61.3	32.1	96.5

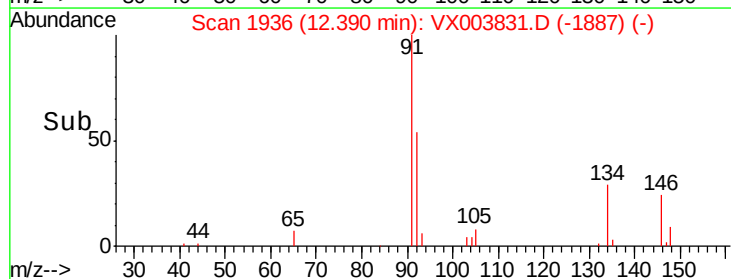
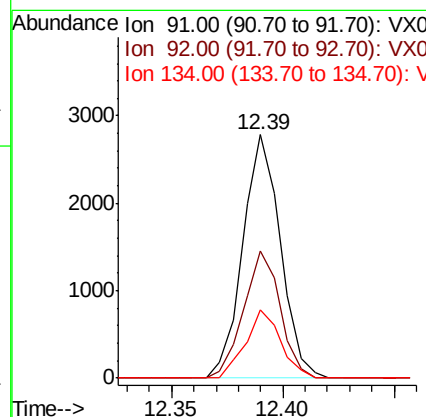
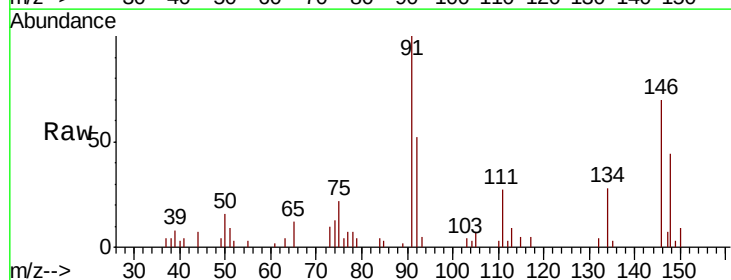
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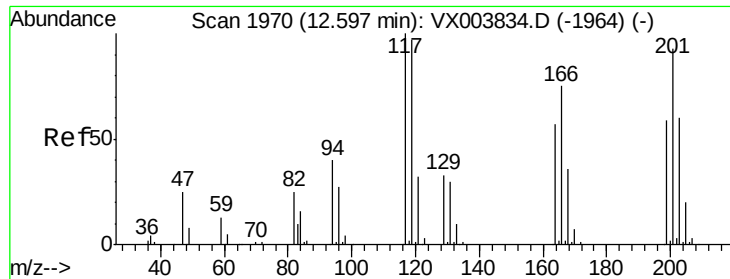
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#89
 n-Butylbenzene
 Concen: 0.82 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.3	78.9
134	26.3	13.7	41.0





#90

Hexachloroethane

Concen: 0.94 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 649

Ion Ratio Lower Upper

117 100

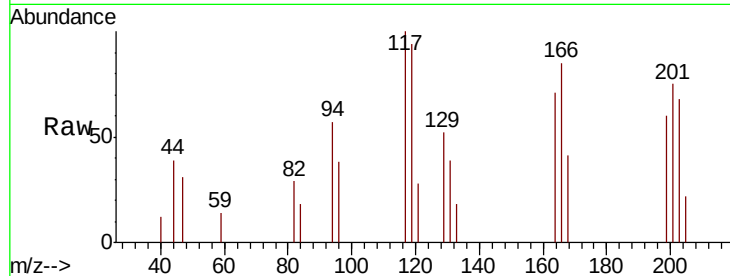
201 88.8 49.9 149.6

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.60

600

500

400

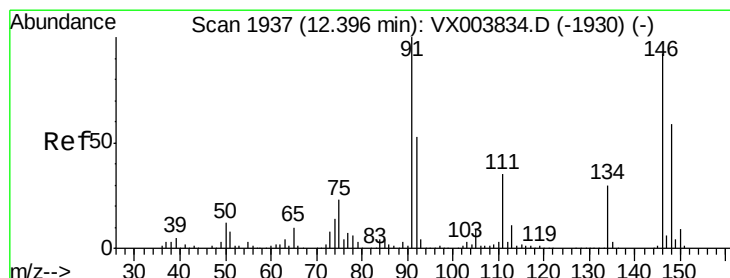
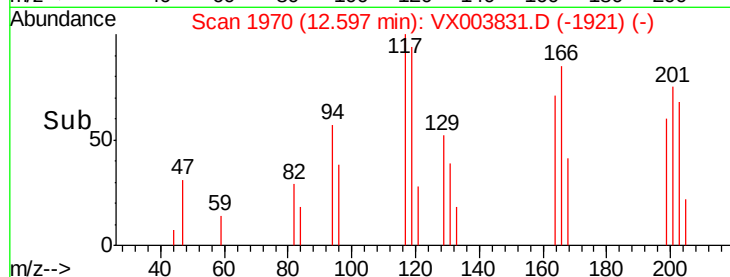
300

200

100

0

Time--> 12.55 12.60



#91

1,2-Dichlorobenzene

Concen: 1.03 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

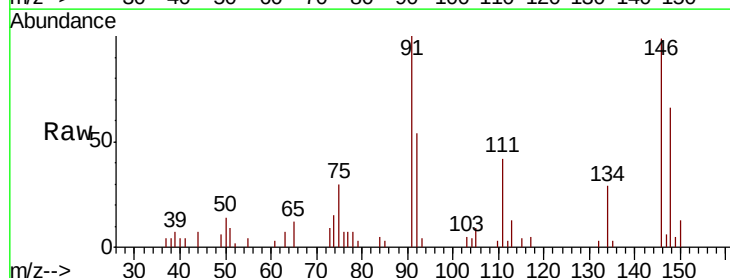
Tgt Ion:146 Resp: 2742

Ion Ratio Lower Upper

146 100

111 38.9 19.1 57.5

148 63.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

2500

2000

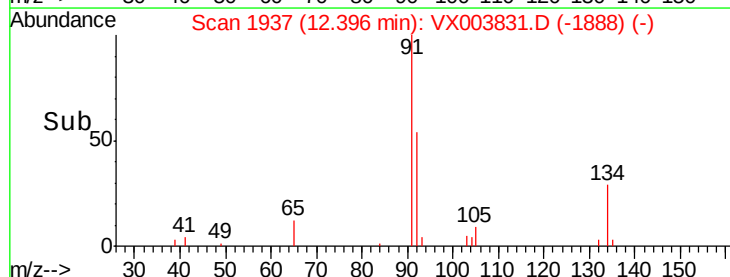
1500

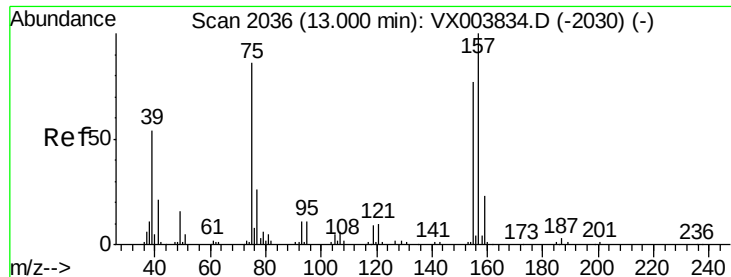
1000

500

0

Time--> 12.35 12.40





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.06 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

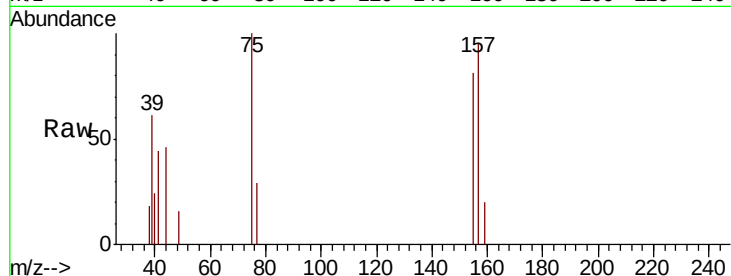
ClientSampleId :

VSTDIC001

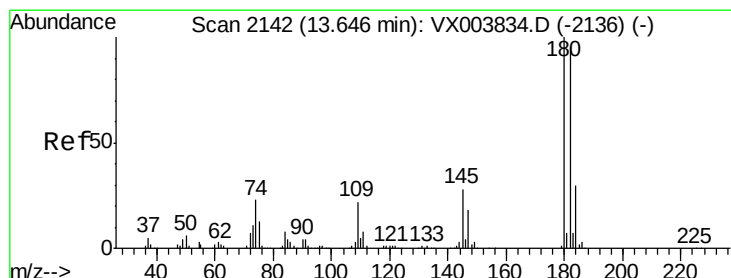
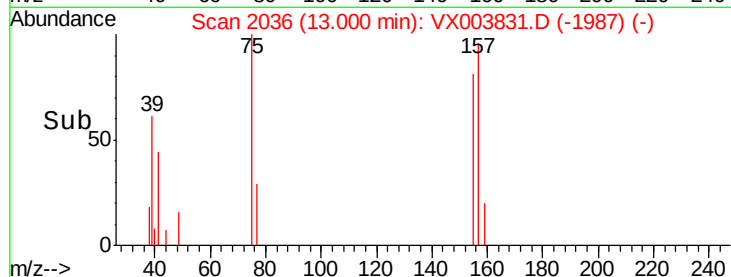
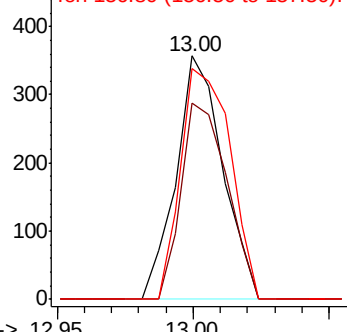
Tot Ion:	75	Resp:	423
Ion	Ratio	Lower	Upper
75	100		
155	79.7	49.5	148.3
157	100.9	64.5	193.5

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX003831.D (-1987) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.92 ug/l

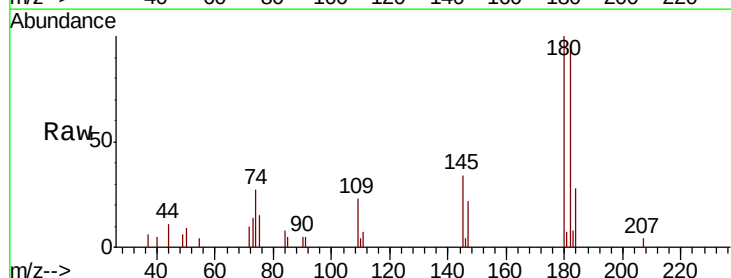
RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

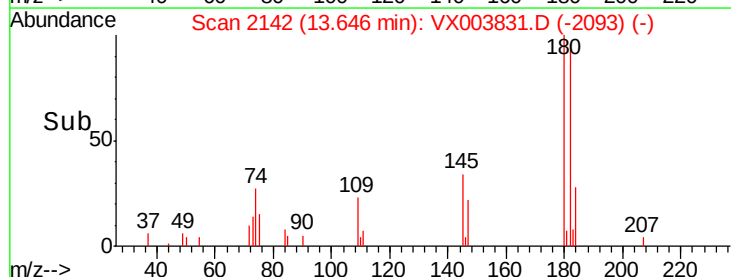
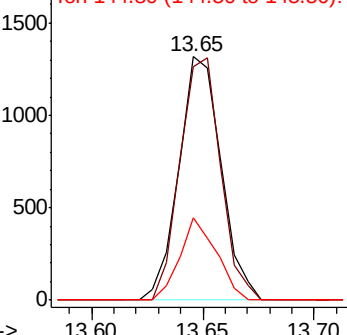
Lab File: VX003831.D

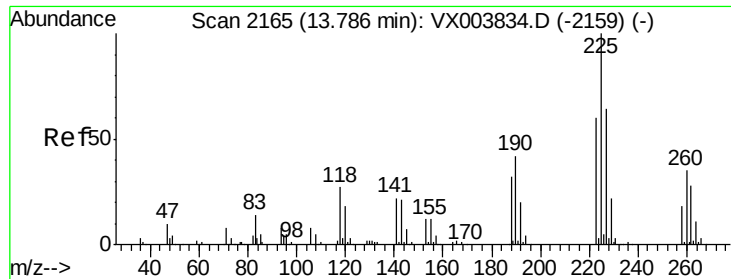
Acq: 02 Aug 2018 18:55

Tgt Ion:	180	Resp:	1745
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	29.2	13.8	41.3



Abundance Ion 179.80 (179.50 to 180.50): VX003831.D (-2093) (-)





#94

Hexachlorobutadiene

Concen: 1.17 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Instrument :

MSVOA_X

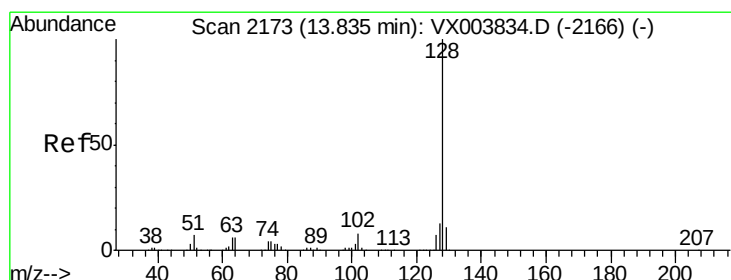
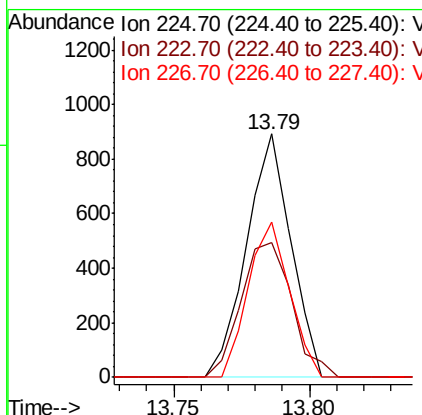
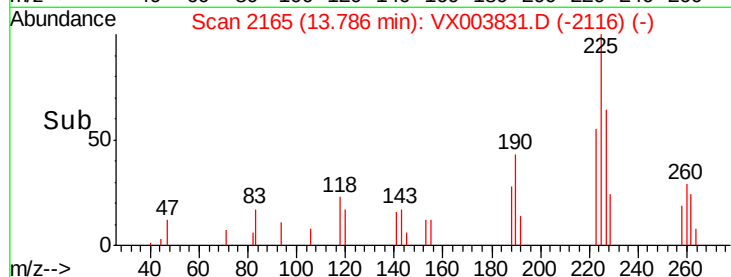
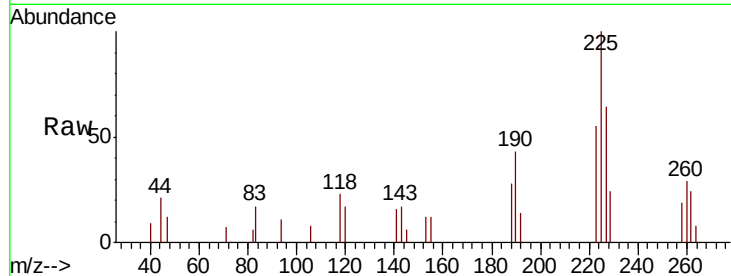
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	1007
Ion Ratio	Lower	Upper	
225	100		
223	63.9	30.4	91.3
227	59.4	32.2	96.6

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#95

Naphthalene

Concen: 0.77 ug/l

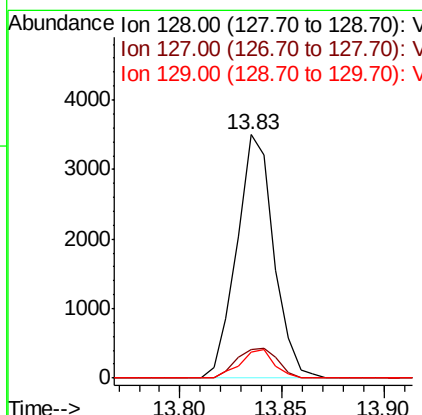
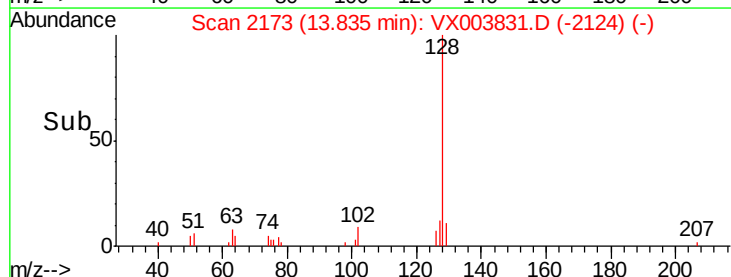
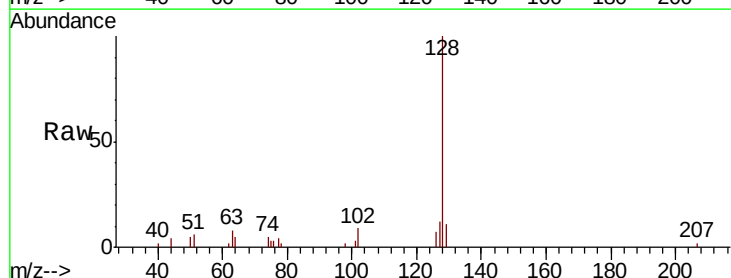
RT: 13.83 min Scan# 2173

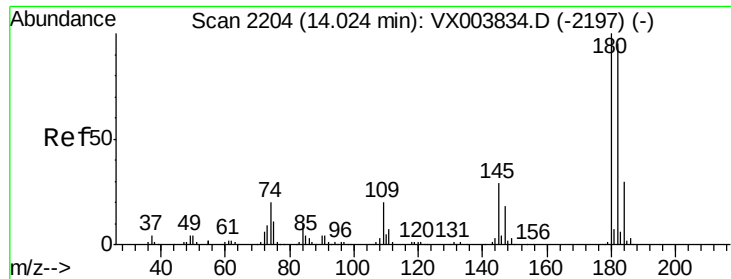
Delta R.T. 0.00 min

Lab File: VX003831.D

Acq: 02 Aug 2018 18:55

Tgt Ion:	128	Resp:	4411
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.97 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003831.D
 Acq: 02 Aug 2018 18:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	1879
Ion Ratio	Lower	Upper	
180	100		
182	91.0	47.8	143.4
145	26.8	14.6	44.0

Manual Integrations
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