

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081418\
 Data File : VX004026.D
 Acq On : 14 Aug 2018 12:27
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 4:49:53 PM

Quant Time: Aug 14 13:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 12:59:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	324988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	486020	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	454499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	294679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	442480	102.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.42%	
35) Dibromofluoromethane	5.51	113	356107	96.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.44%	
50) Toluene-d8	8.72	98	1465832	102.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.74%	
62) 4-Bromofluorobenzene	11.14	95	554583	119.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	239.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	315435	95.78	ug/l	100
3) Chloromethane	1.32	50	363119	81.04	ug/l	99
4) Vinyl Chloride	1.40	62	404188	90.45	ug/l	99
5) Bromomethane	1.64	94	207697	72.97	ug/l	98
6) Chloroethane	1.71	64	278875	97.54	ug/l	98
7) Trichlorofluoromethane	1.92	101	558619	94.69	ug/l	99
8) Diethyl Ether	2.18	74	246106	92.80	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	345340	93.65	ug/l	100
10) Methyl Iodide	2.51	142	405040	88.29	ug/l	100
11) Tert butyl alcohol	3.06	59	453015	437.61	ug/l	100
12) 1,1-Dichloroethene	2.37	96	329136	94.36	ug/l	96
13) Acrolein	2.29	56	314826	551.73	ug/l	99
14) Allyl chloride	2.73	41	626452	93.17	ug/l	97
15) Acrylonitrile	3.15	53	1113758	450.89	ug/l	100
16) Acetone	2.44	43	1101273	429.69	ug/l	100
17) Carbon Disulfide	2.57	76	948536	89.13	ug/l	99
18) Methyl Acetate	2.77	43	497657	89.18	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1161191	93.94	ug/l	99
20) Methylene Chloride	2.85	84	382373	61.54	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	365701	92.35	ug/l	97
22) Diisopropyl ether	3.87	45	1229014	99.43	ug/l	99
23) Vinyl Acetate	3.82	43	5243487	509.86	ug/l	100
24) 1,1-Dichloroethane	3.70	63	681499	92.82	ug/l	100
25) 2-Butanone	4.70	43	1870159	485.33	ug/l	100
26) 1,2-Dichloropropane	4.59	77	540541	102.09	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	415718	96.75	ug/l	100
28) Bromochloromethane	5.02	49	313166	99.67	ug/l	96
29) Tetrahydrofuran	5.15	42	946371	477.83	ug/l	98
30) Chloroform	5.21	83	661621	95.72	ug/l	99
31) Cyclohexane	5.57	56	612229	98.60	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	574247	99.07	ug/l	99
36) 1,1-Dichloropropene	5.80	75	531053	97.56	ug/l	99
37) Ethyl Acetate	4.85	43	575300	96.07	ug/l	100
38) Carbon Tetrachloride	5.79	117	520974	100.56	ug/l	98

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Manual Integrations
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Quant Time: Aug 14 13:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	646351	100.71	ug/l	98
40) Benzene	6.15	78	1594118	97.53	ug/l	100
41) Methacrylonitrile	5.06	41	315351	95.63	ug/l	99
42) 1,2-Dichloroethane	6.20	62	542166	98.10	ug/l	100
43) Isopropyl Acetate	6.46	43	898786	99.74	ug/l	100
44) Trichloroethene	7.21	130	434745	97.25	ug/l	94
45) 1,2-Dichloropropane	7.52	63	409225	96.95	ug/l	99
46) Dibromomethane	7.66	93	267329	97.55	ug/l	99
47) Bromodichloromethane	7.90	83	530019	102.67	ug/l	99
48) Methyl methacrylate	7.78	41	472561	103.17	ug/l	99
49) 1,4-Dioxane	7.76	88	208575	1932.98	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	3754604	502.69	ug/l	99
52) Toluene	8.79	92	1037528	100.46	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	617019	105.74	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	661487	105.13	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	412056	97.63	ug/l	100
56) Ethyl methacrylate	9.18	69	656819	107.27	ug/l	100
57) 1,3-Dichloropropane	9.37	76	698574	98.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1633581	542.53	ug/l	99
59) 2-Hexanone	9.50	43	2867542	513.61	ug/l	99
60) Dibromochloromethane	9.59	129	434740	110.48	ug/l	100
61) 1,2-Dibromoethane	9.68	107	437693	103.58	ug/l	99
64) Tetrachloroethene	9.34	164	412052	92.16	ug/l	94
65) Chlorobenzene	10.14	112	1107554	93.65	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	410763	101.03	ug/l	100
67) Ethyl Benzene	10.25	91	1924826	99.43	ug/l	96
68) m/p-Xylenes	10.36	106	1552711	205.27	ug/l	91
69) o-Xylene	10.70	106	754515	105.66	ug/l	96
70) Styrene	10.71	104	1296063	110.86	ug/l	98
71) Bromoform	10.86	173	354682	116.66	ug/l	99
73) Isopropylbenzene	11.02	105	2019053	92.62	ug/l	96
74) N-amyl acetate	6.46	43	898786	79.28	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	650992	87.13	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	565029m	86.81	ug/l	
77) Bromobenzene	11.26	156	534824	91.97	ug/l	99
78) n-propylbenzene	11.36	91	2308918	94.32	ug/l	100
79) 2-Chlorotoluene	11.42	91	1323743	88.69	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1704749	95.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	215803	101.05	ug/l	95
82) 4-Chlorotoluene	11.51	91	1623077	92.82	ug/l	100
83) tert-Butylbenzene	11.77	119	1721933	98.47	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1752489	98.05	ug/l	99
85) sec-Butylbenzene	11.95	105	2028662	98.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	1843557	99.55	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	981326	91.29	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	996001	89.31	ug/l	100
89) n-Butylbenzene	12.39	91	1424883	88.30	ug/l	99
90) Hexachloroethane	12.60	117	265430	88.28	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	853966	80.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	125063	81.71	ug/l	100

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 12:59:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	664495	86.71	ug/l	97
94) Hexachlorobutadiene	13.79	225	317950	88.58	ug/l	97
95) Naphthalene	13.83	128	2063855	94.03	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	733064	95.85	ug/l	99

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

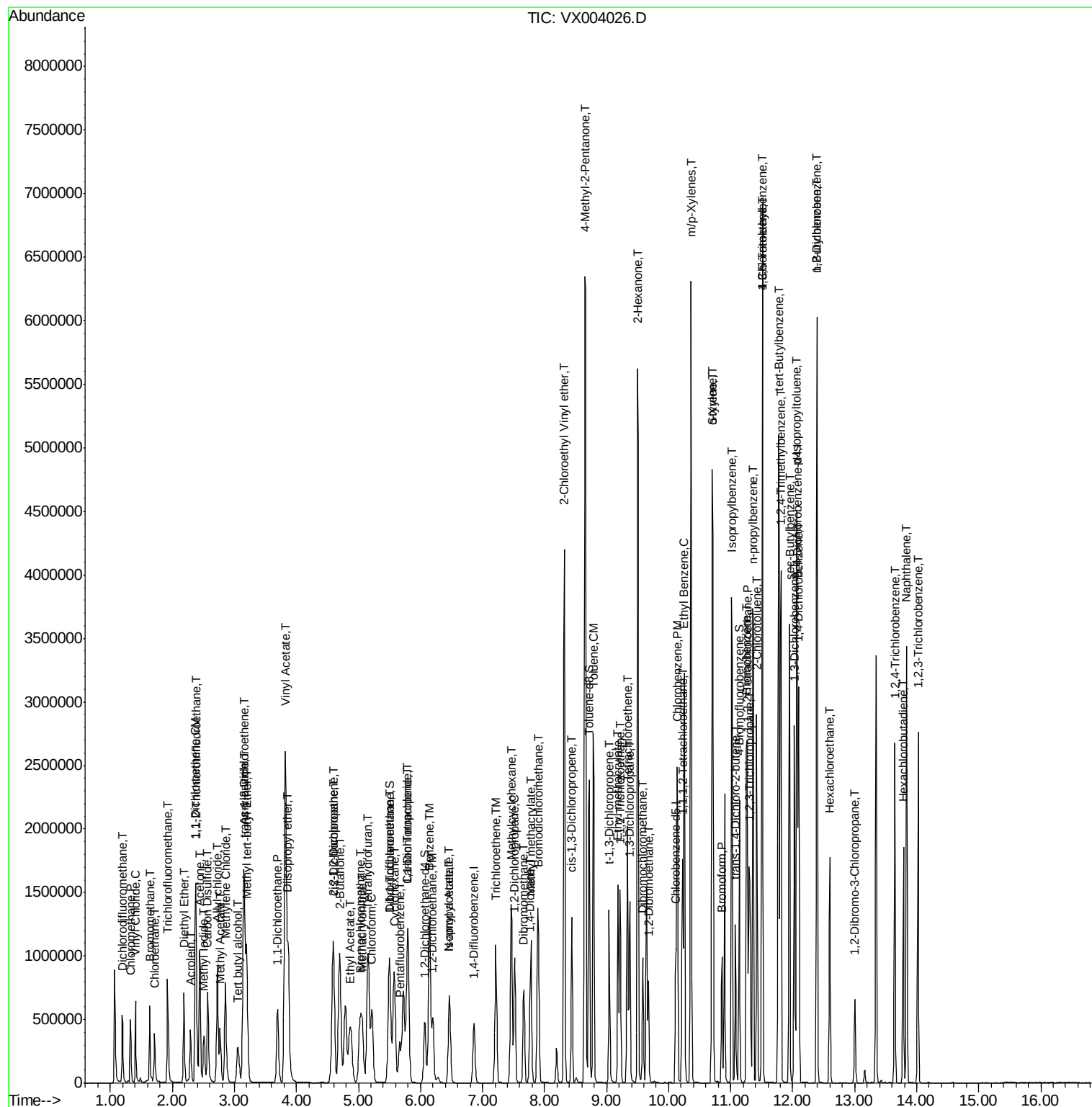
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004026.D
 Acq On : 14 Aug 2018 12:27
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

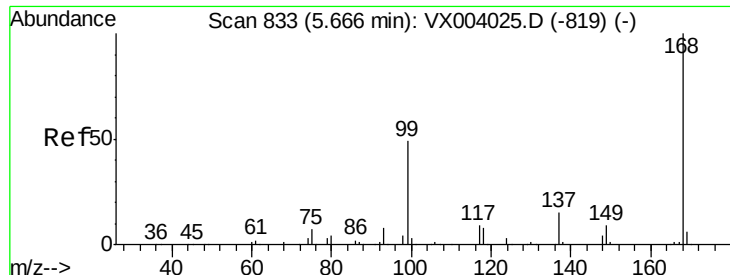
Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDIC100

Manual Integrations
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MMDadoda
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 324988

Ion Ratio Lower Upper

168 100

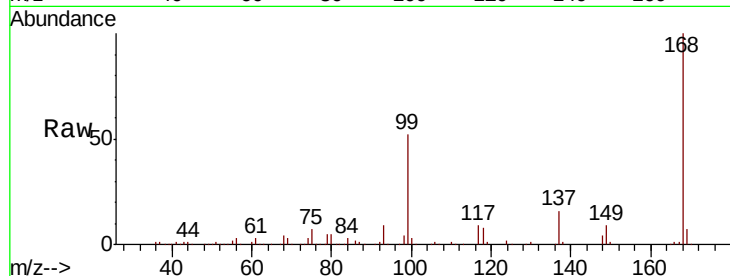
99 51.4 40.1 60.1

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

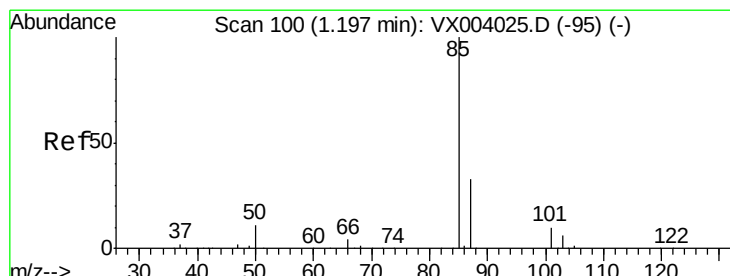
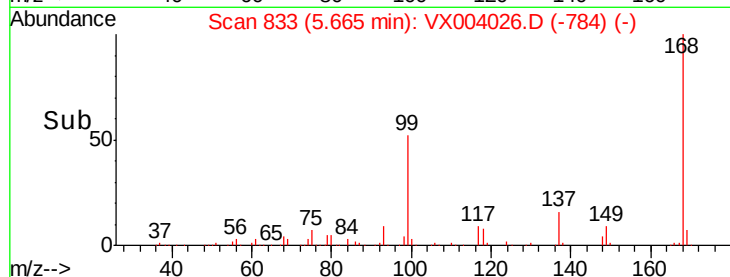
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 95.78 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004026.D

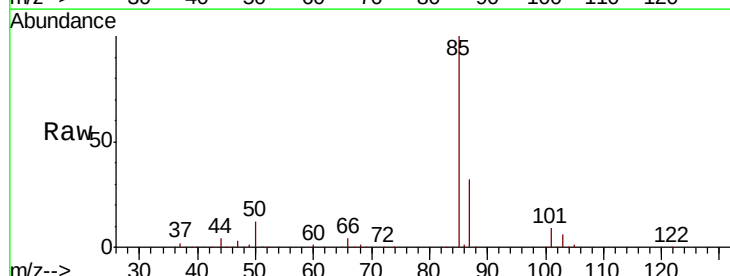
Acq: 14 Aug 2018 12:27

Tgt Ion: 85 Resp: 315435

Ion Ratio Lower Upper

85 100

87 32.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

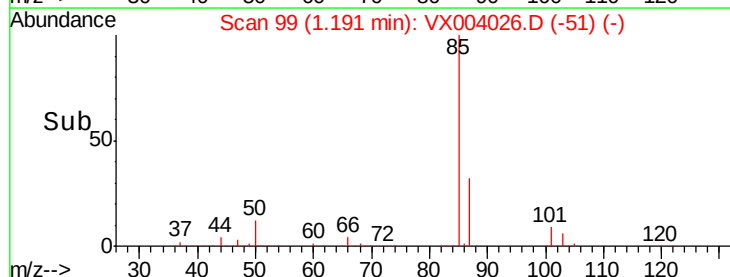
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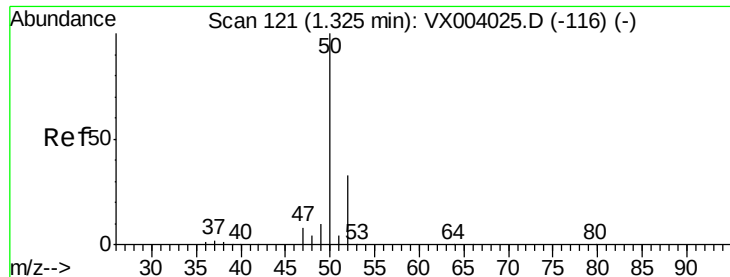
200000

100000

0

Time-->





#3

Chloromethane

Concen: 81.04 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 363119

Ion Ratio Lower Upper

50 100

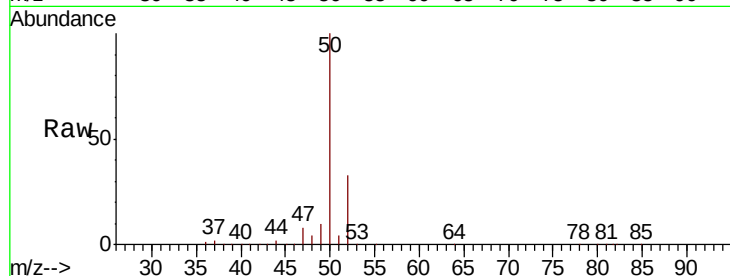
52 32.6 26.6 39.8

Manual Integrations

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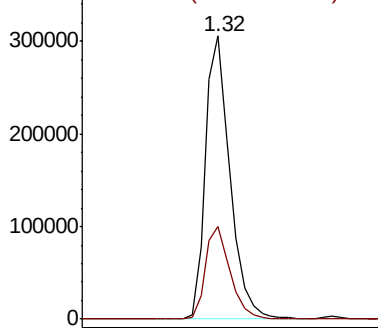
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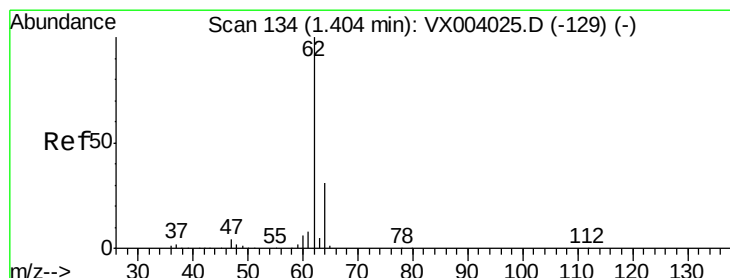
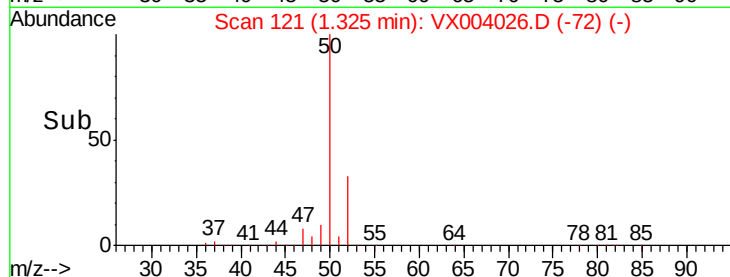


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 90.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004026.D

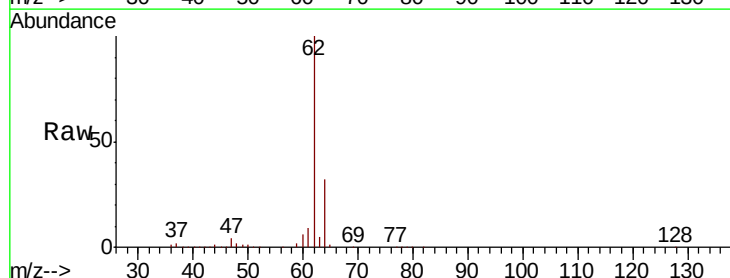
Acq: 14 Aug 2018 12:27

Tgt Ion: 62 Resp: 404188

Ion Ratio Lower Upper

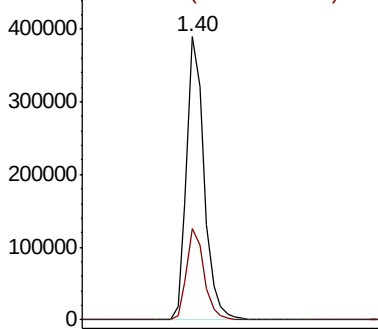
62 100

64 32.1 26.0 39.0

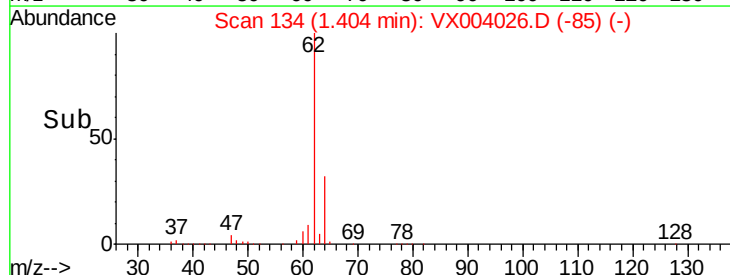


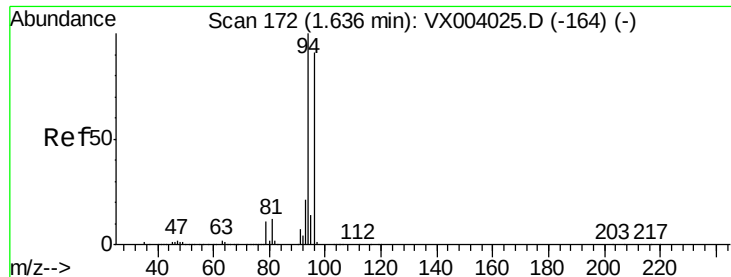
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 72.97 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 207697

Ion Ratio Lower Upper

94 100

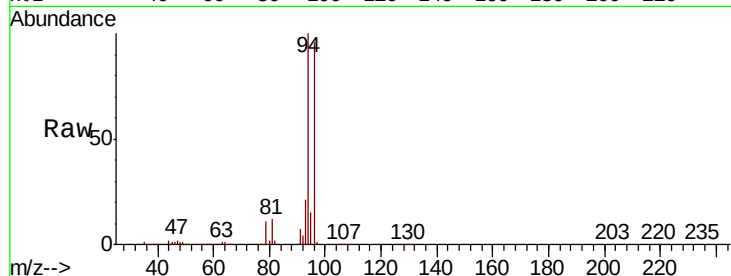
96 96.1 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250000

200000

150000

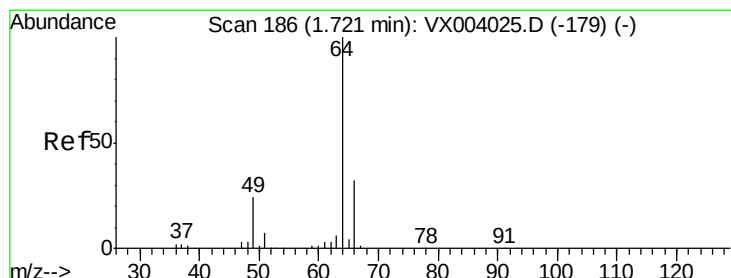
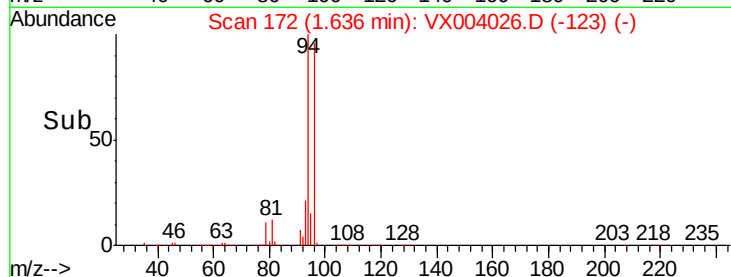
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 97.54 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004026.D

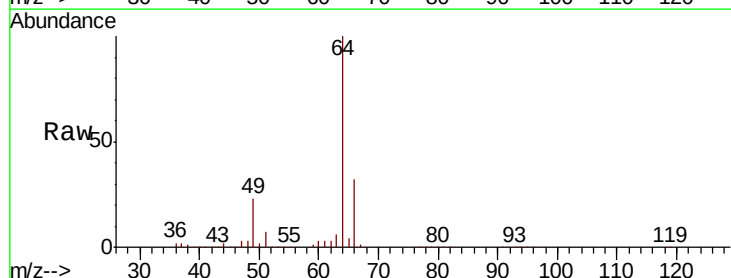
Acq: 14 Aug 2018 12:27

Tgt Ion: 64 Resp: 278875

Ion Ratio Lower Upper

64 100

66 31.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

200000

150000

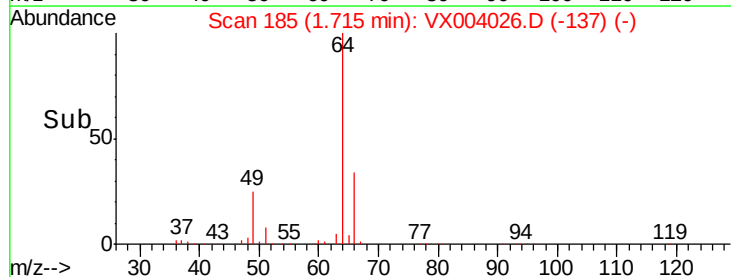
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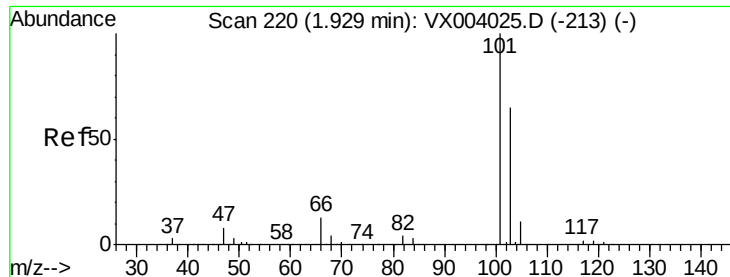
50000

0

1.60 1.70 1.80

Time-->





#7

Trichlorofluoromethane

Concen: 94.69 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:101 Resp: 558619

Ion Ratio Lower Upper

101 100

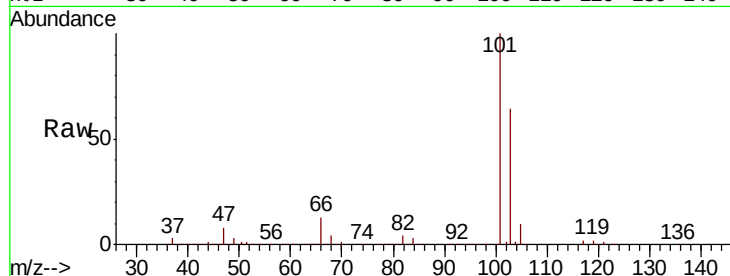
103 64.4 52.3 78.5

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

400000

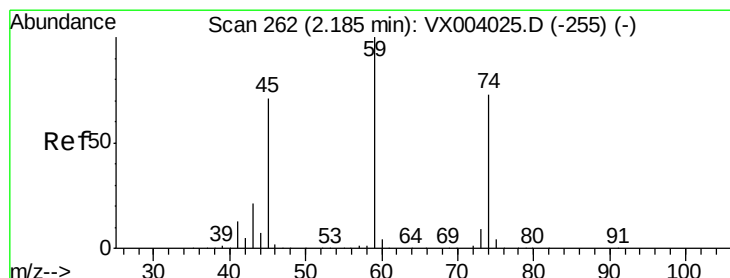
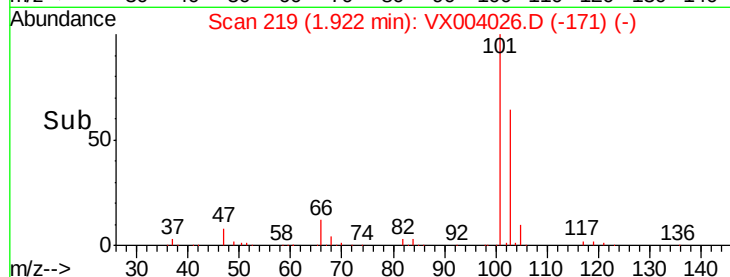
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 92.80 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004026.D

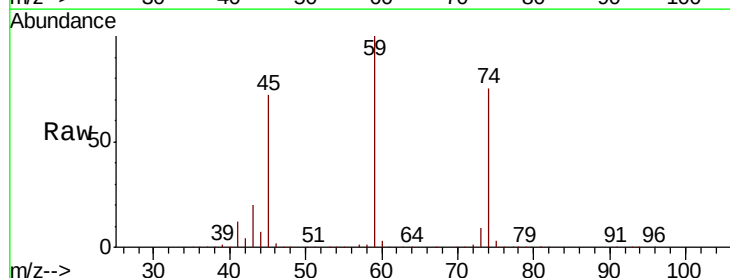
Acq: 14 Aug 2018 12:27

Tgt Ion: 74 Resp: 246106

Ion Ratio Lower Upper

74 100

45 94.7 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

200000

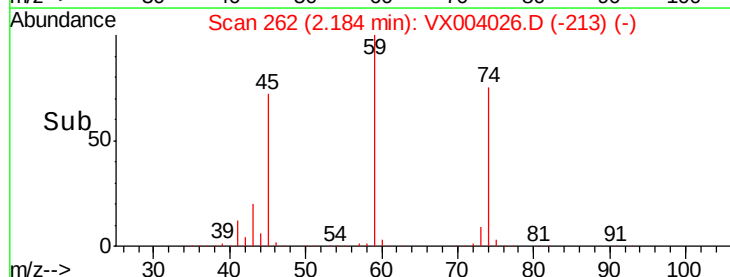
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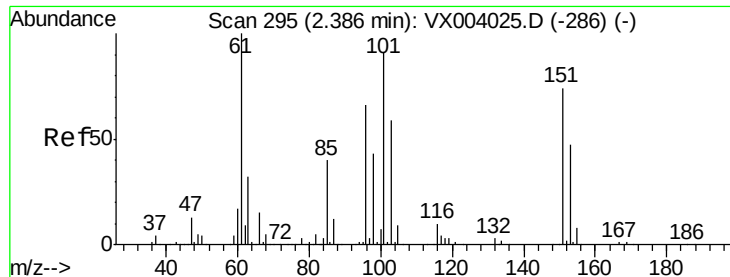
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.65 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

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MSVOA_X

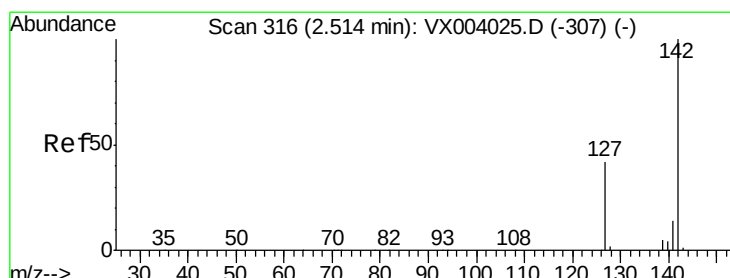
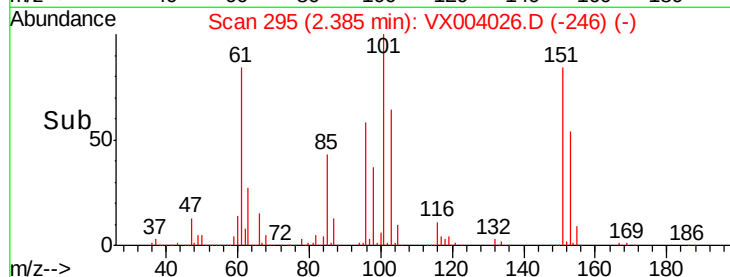
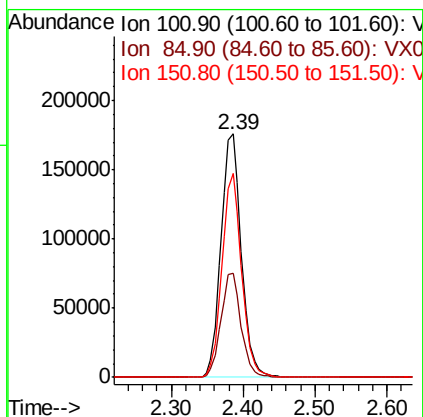
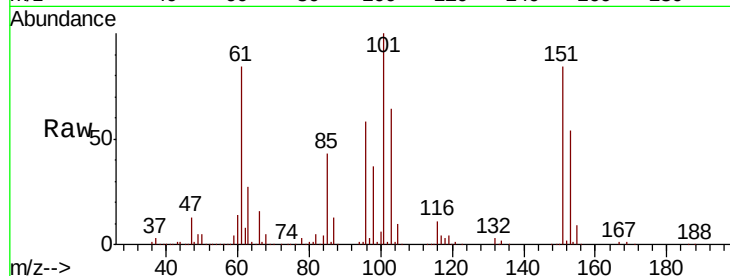
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	345340
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	81.4	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 88.29 ug/l

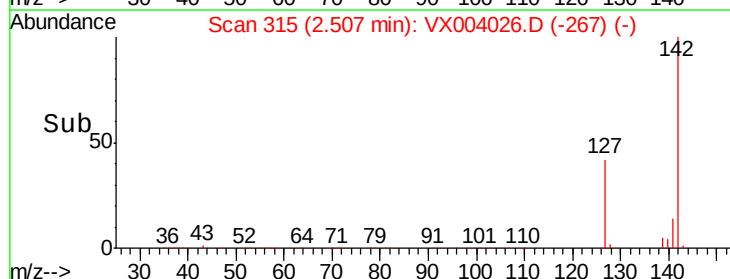
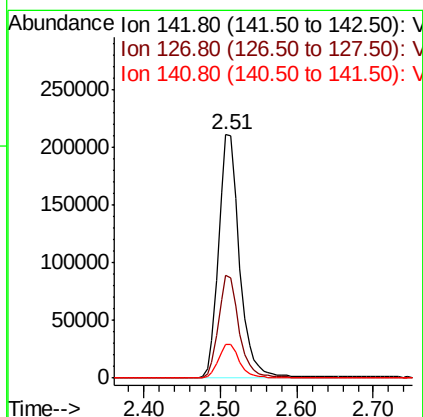
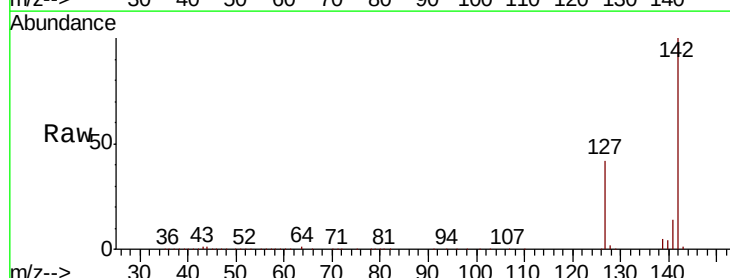
RT: 2.51 min Scan# 315

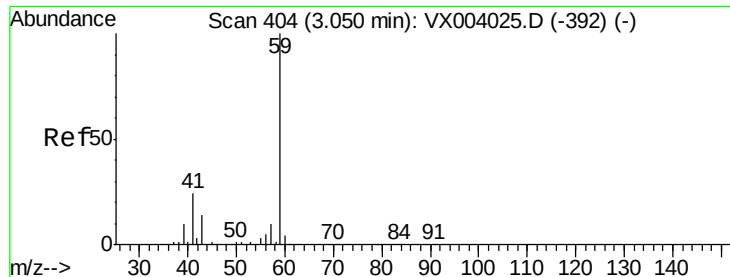
Delta R.T. -0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tgt Ion:	142	Resp:	405040
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.1	49.7
141	14.1	11.1	16.7





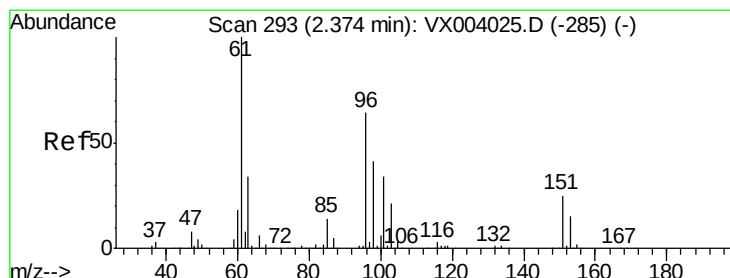
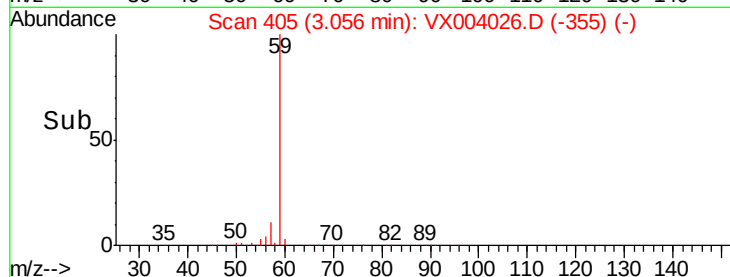
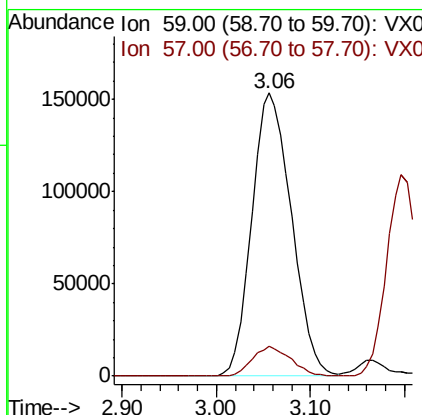
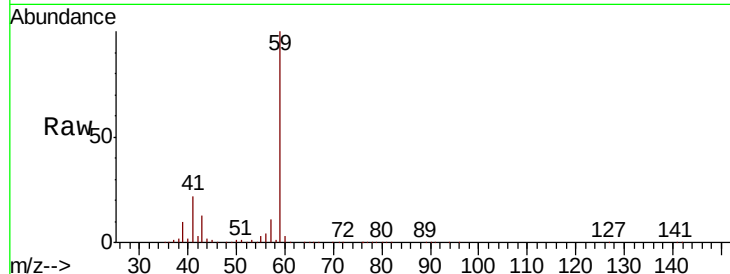
#11
Tert butyl alcohol
Concen: 437.61 ug/l
RT: 3.06 min Scan# 405
Delta R.T. 0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	453015		
57	10.2		8.1	12.1

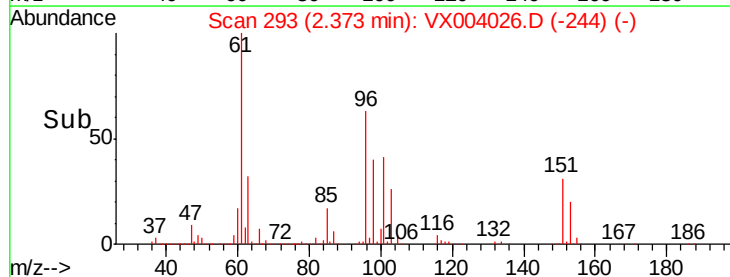
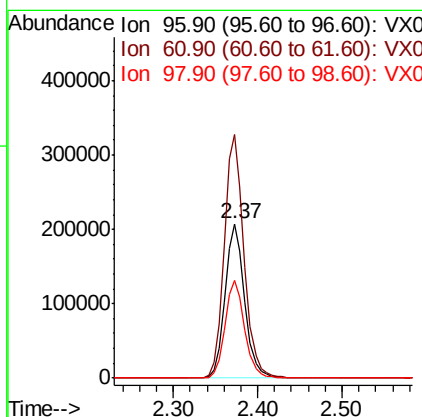
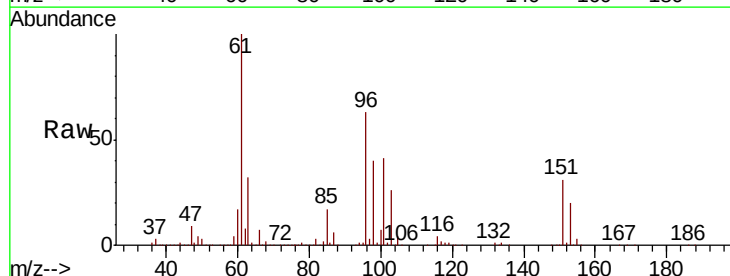
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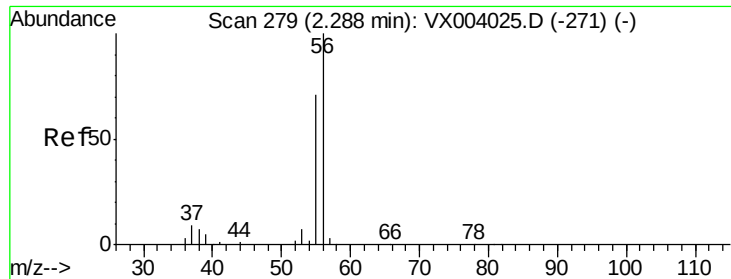
MMDadoda
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#12
1,1-Dichloroethene
Concen: 94.36 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	329136		
61	158.1		131.3	196.9
98	63.3		51.8	77.6





#13

Acrolein

Concen: 551.73 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 314826

Ion Ratio Lower Upper

56 100

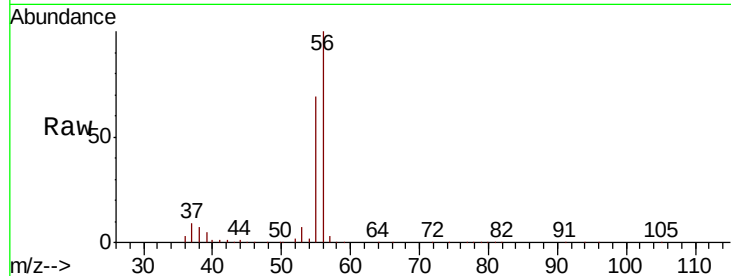
55 69.6 56.1 84.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

200000

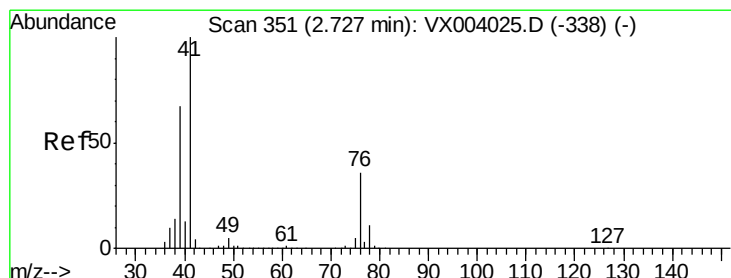
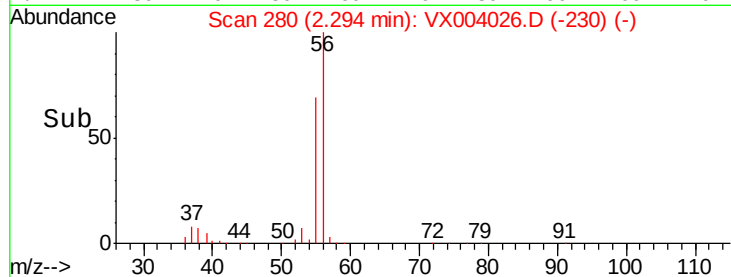
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 93.17 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

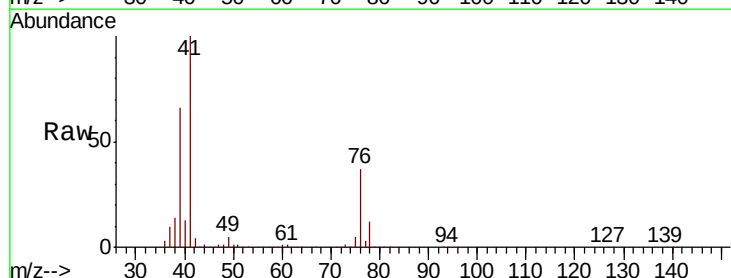
Tgt Ion: 41 Resp: 626452

Ion Ratio Lower Upper

41 100

39 61.9 47.4 71.0

76 33.8 26.0 39.0



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

2.73

400000

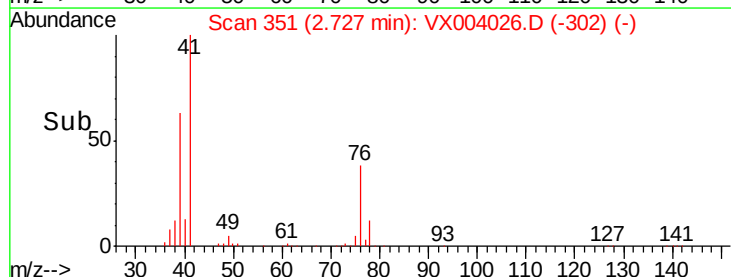
300000

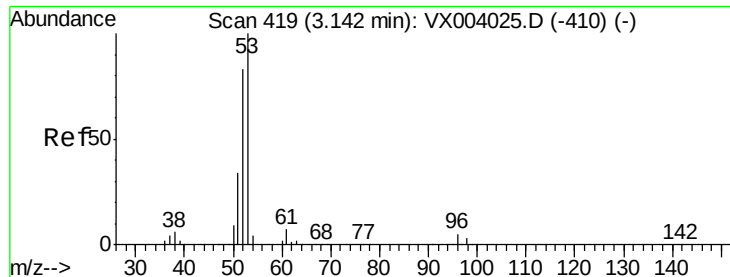
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 450.89 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1113758

Ion Ratio Lower Upper

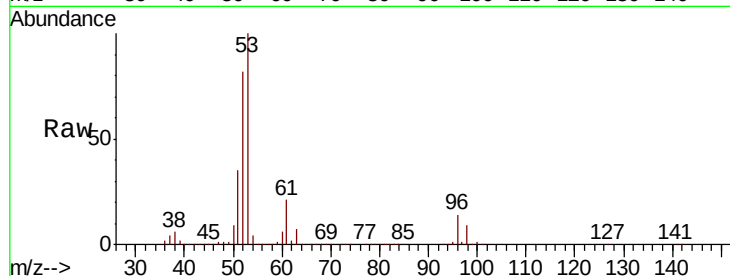
53 100

52 81.6 65.3 97.9

51 35.3 27.9 41.9

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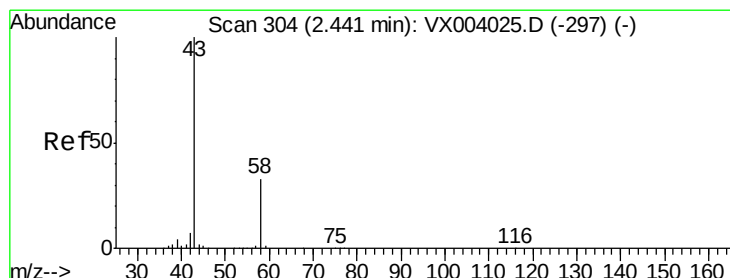
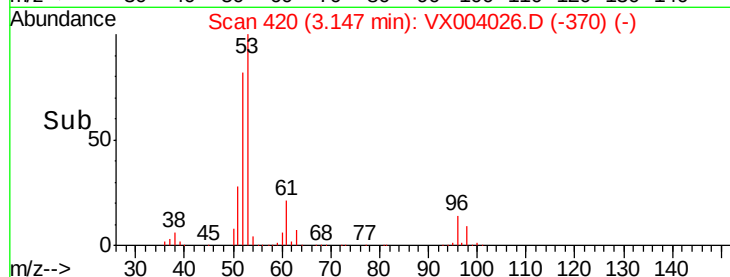
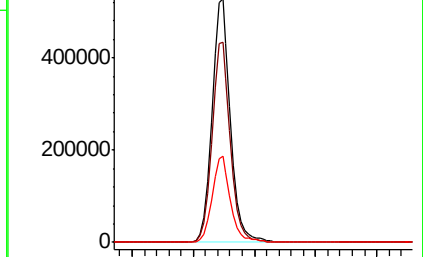
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Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 429.69 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004026.D

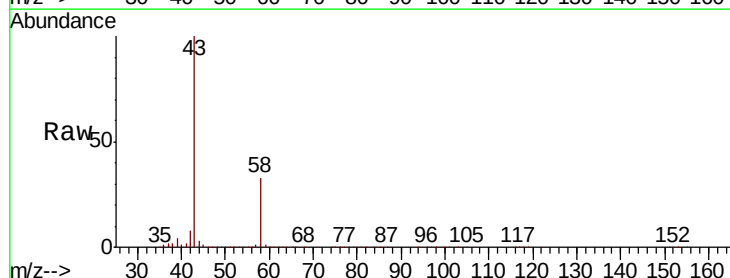
Acq: 14 Aug 2018 12:27

Tgt Ion: 43 Resp: 1101273

Ion Ratio Lower Upper

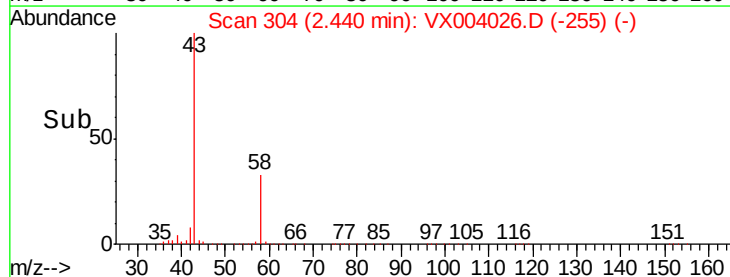
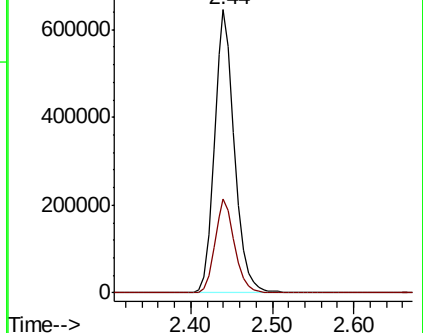
43 100

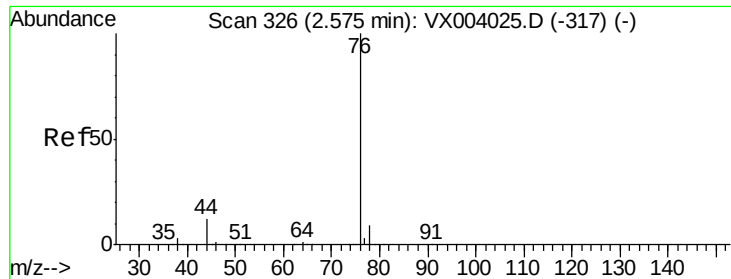
58 33.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 89.13 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 948536

Ion Ratio Lower Upper

76 100

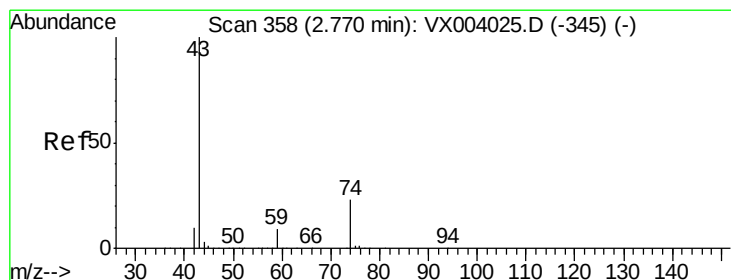
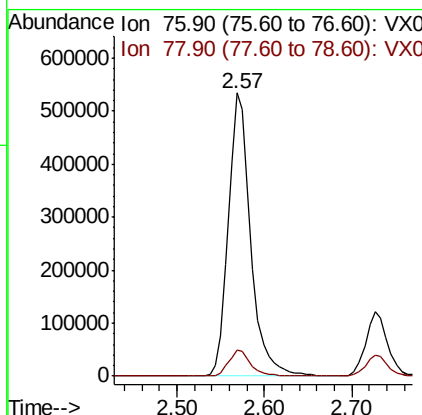
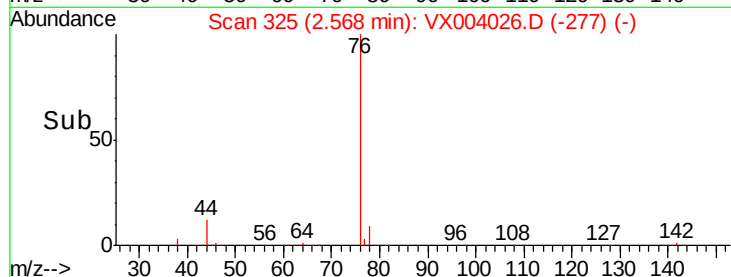
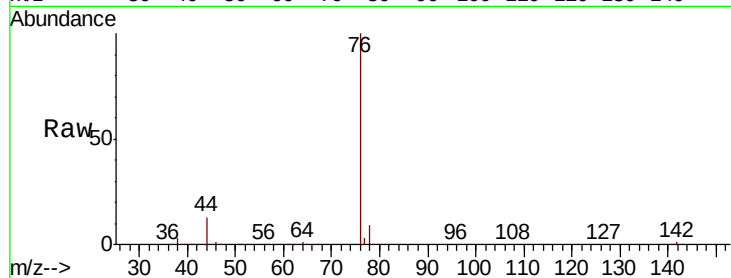
78 9.1 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 89.18 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004026.D

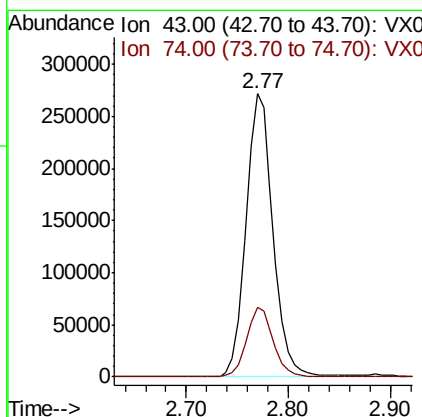
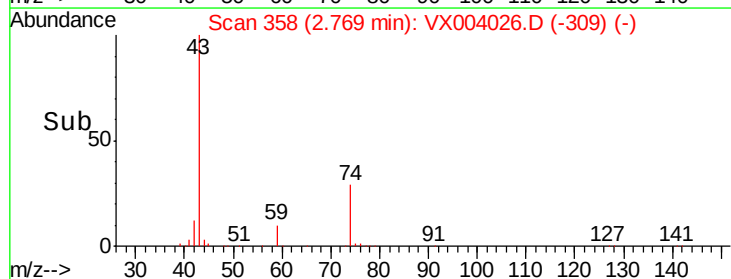
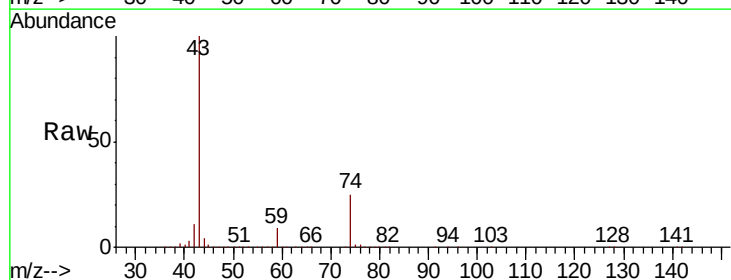
Acq: 14 Aug 2018 12:27

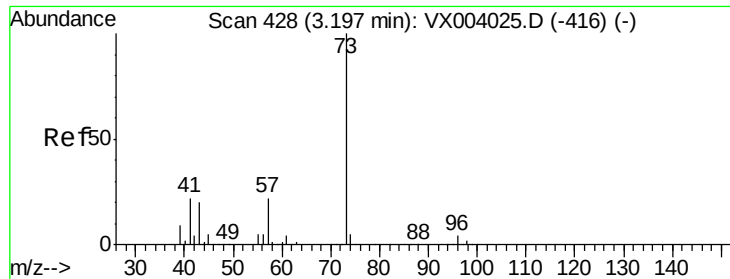
Tgt Ion: 43 Resp: 497657

Ion Ratio Lower Upper

43 100

74 24.7 18.9 28.3





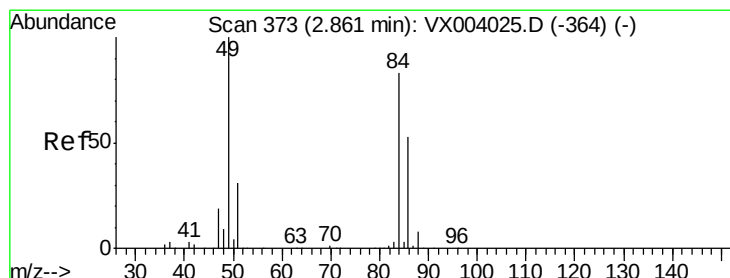
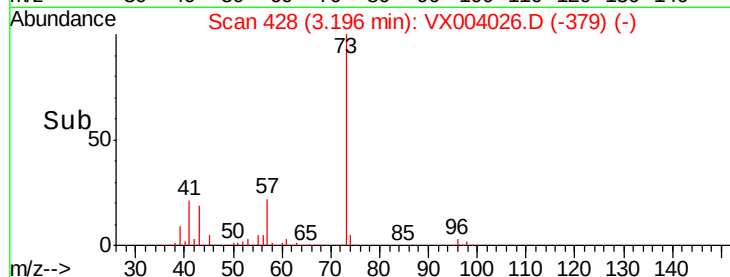
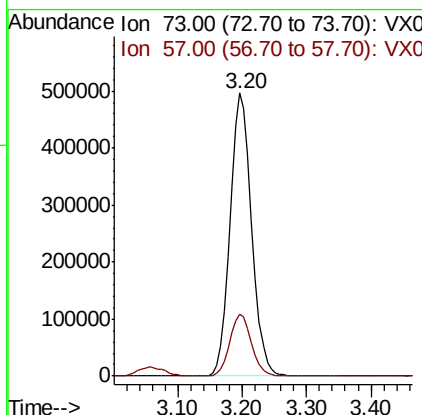
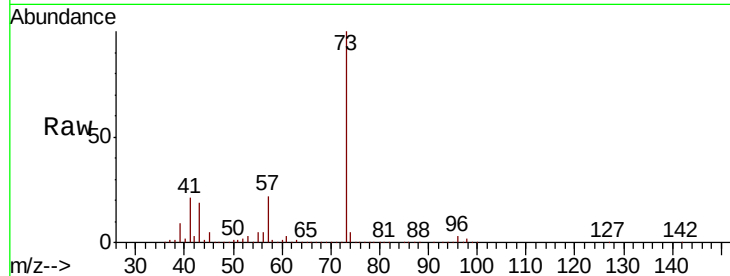
#19
Methvl tert-butvl Ether
Concen: 93.94 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1161191
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

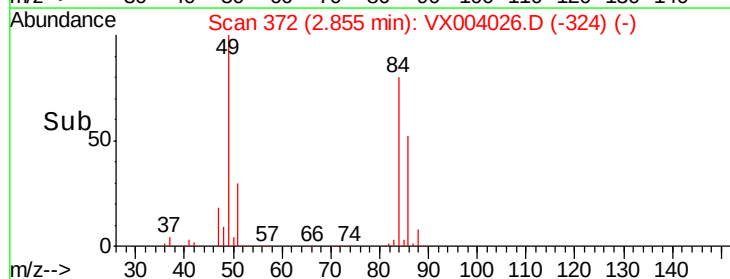
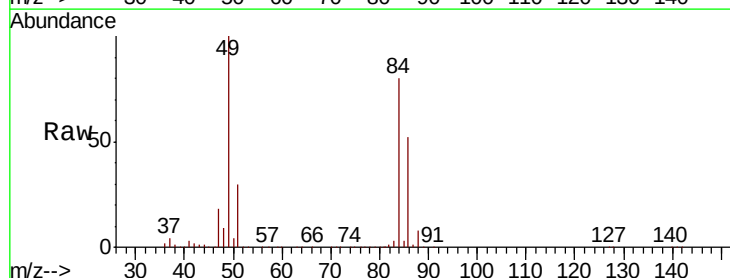
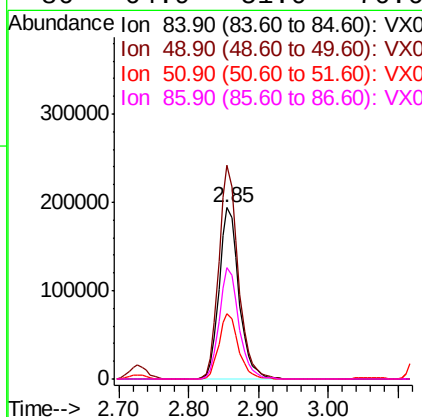
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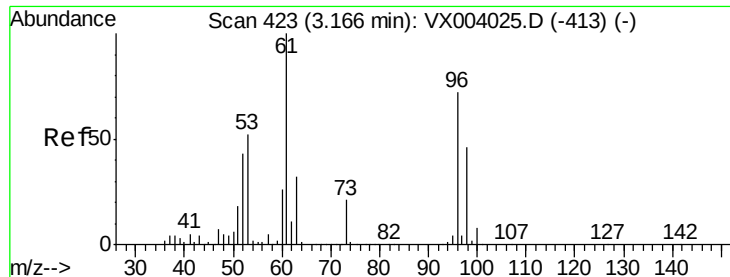
MMDadoda
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#20
Methylene Chloride
Concen: 61.54 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion: 84 Resp: 382373
Ion Ratio Lower Upper
84 100
49 124.6 98.9 148.3
51 37.9 29.9 44.9
86 64.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 92.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 365701

Ion Ratio Lower Upper

96 100

61 135.0 111.8 167.6

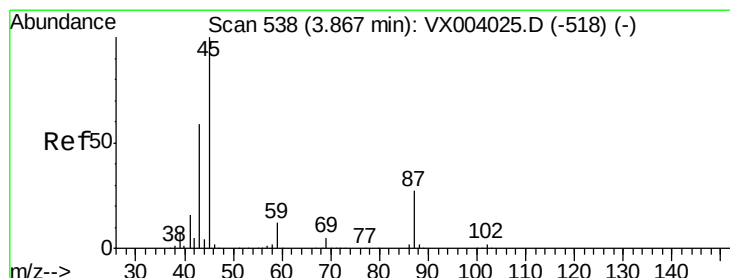
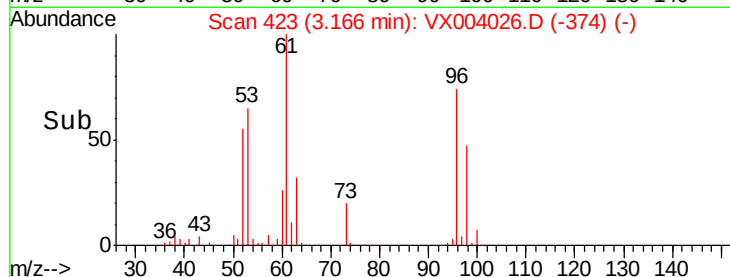
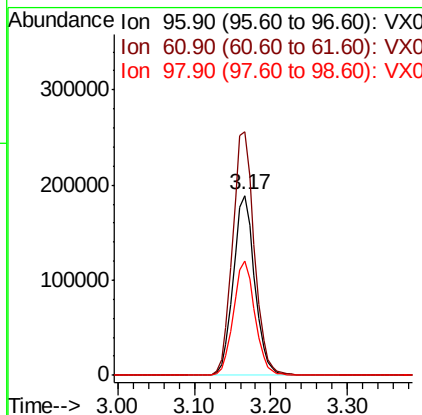
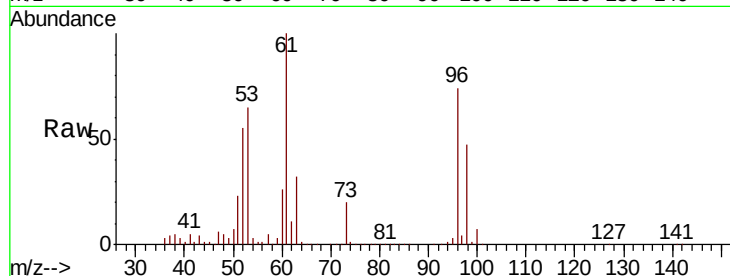
98 63.6 51.8 77.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 99.43 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tgt Ion: 45 Resp: 1229014

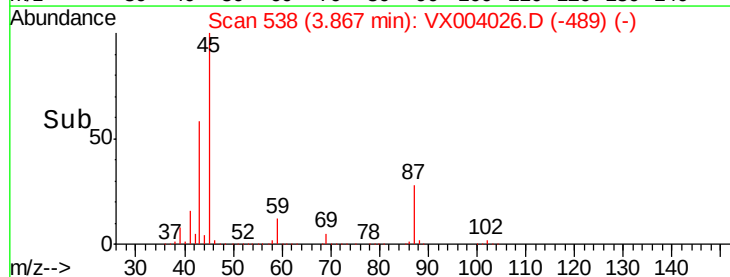
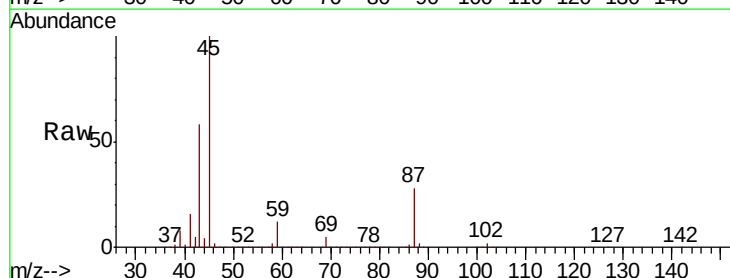
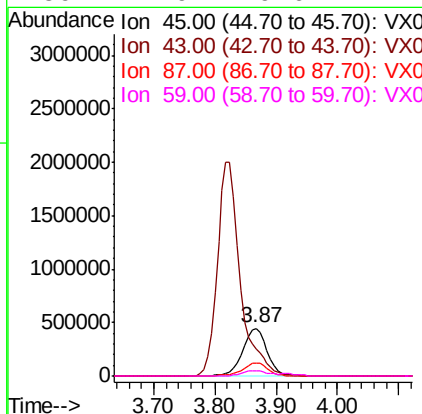
Ion Ratio Lower Upper

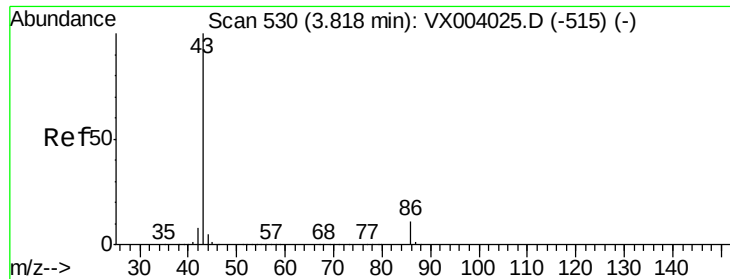
45 100

43 58.1 45.3 67.9

87 28.2 22.7 34.1

59 11.9 9.6 14.4





#23

Vinyl Acetate

Concen: 509.86 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tot Ion: 43 Resp: 5243487

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

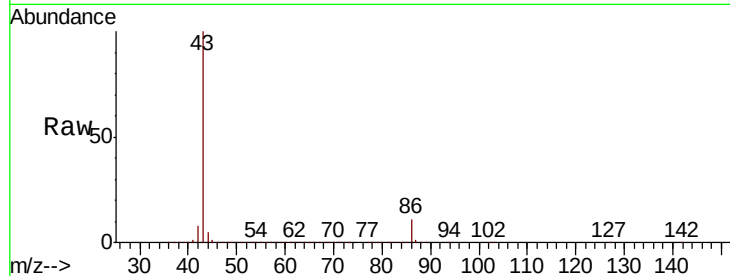
VSTDIC100

Manual Integrations

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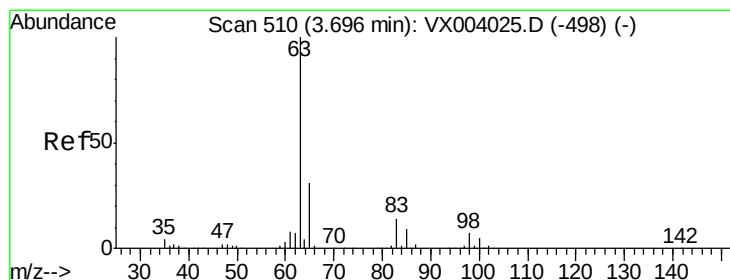
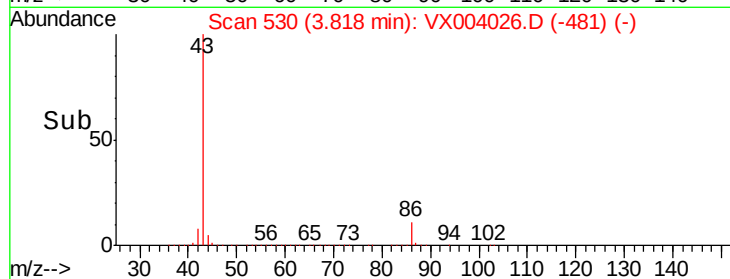
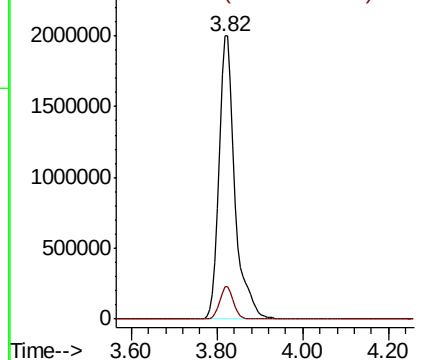
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 92.82 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

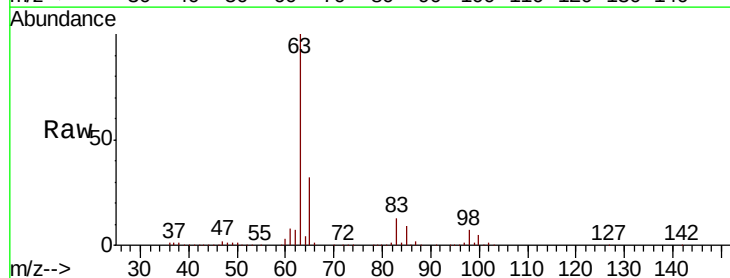
Tgt Ion: 63 Resp: 681499

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

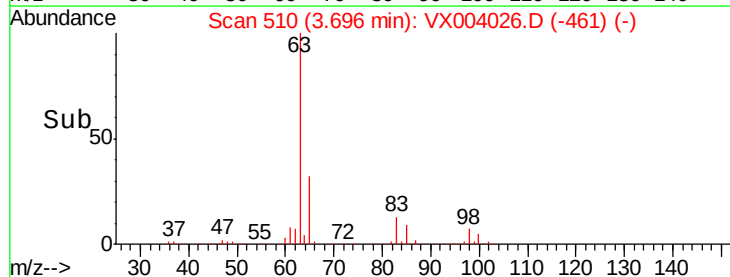
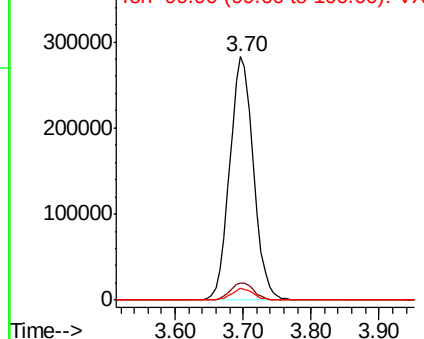
100 4.7 2.3 6.8

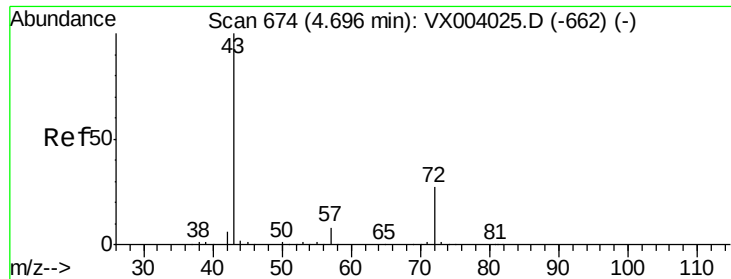


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 485.33 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1870159

Ion Ratio Lower Upper

43 100

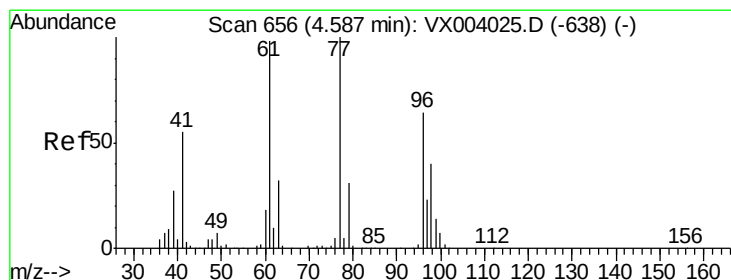
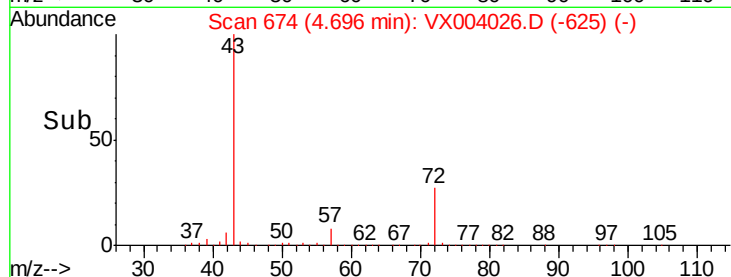
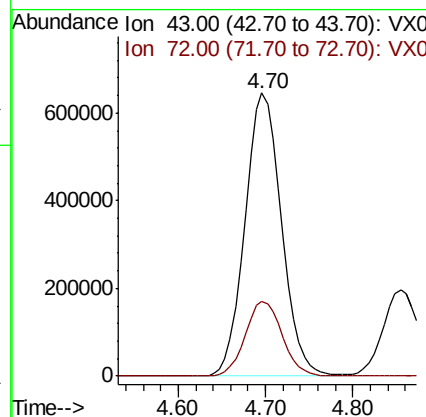
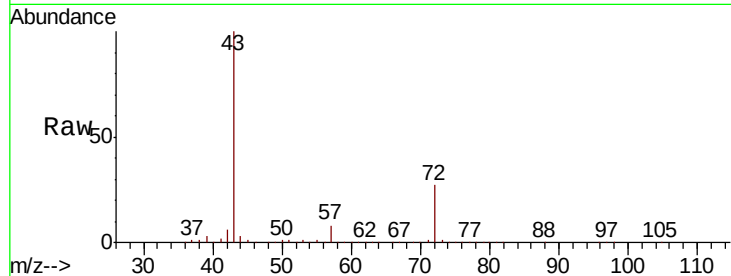
72 26.5 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 102.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004026.D

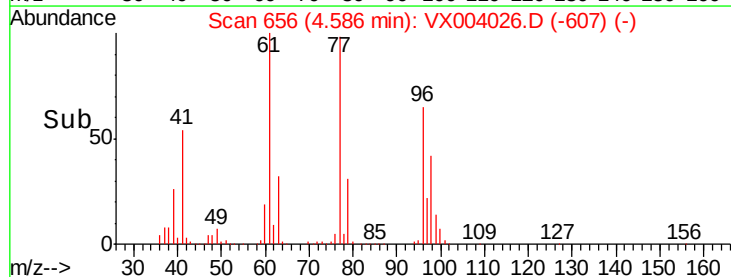
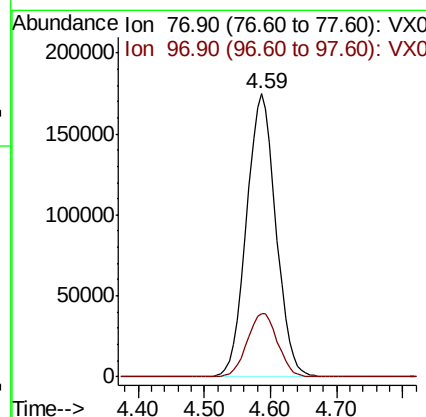
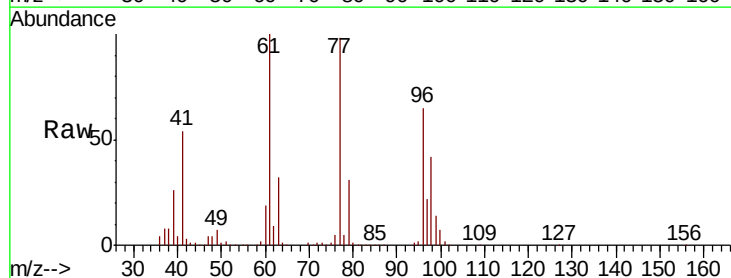
Acq: 14 Aug 2018 12:27

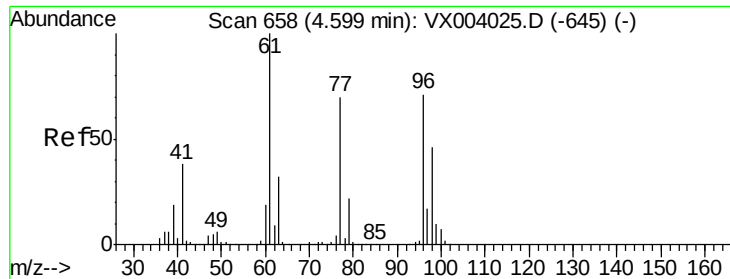
Tgt Ion: 77 Resp: 540541

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9





#27

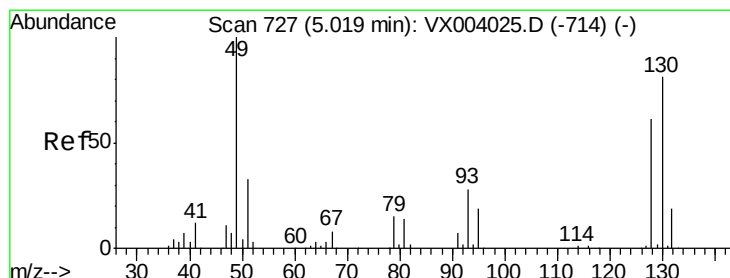
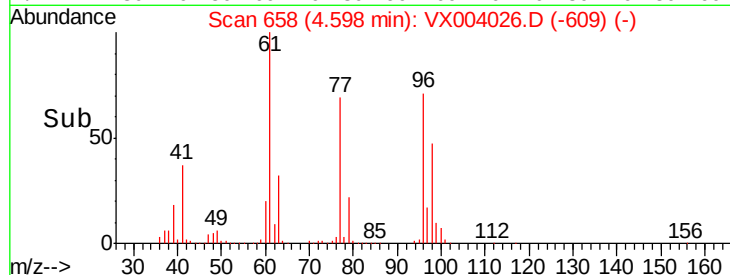
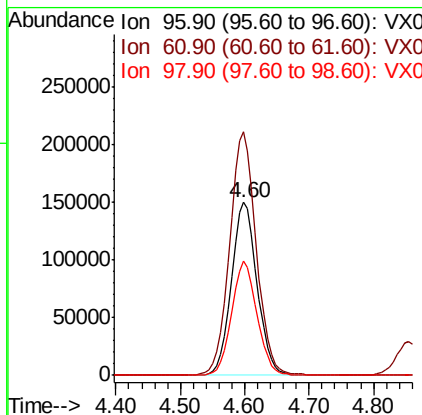
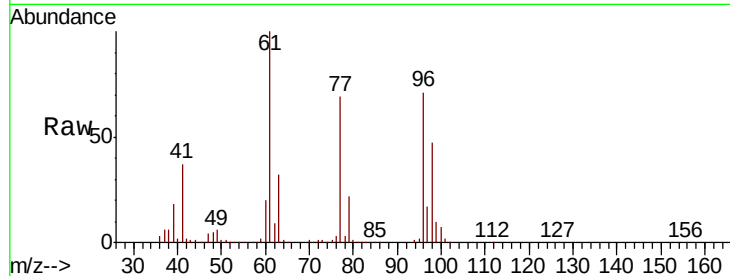
cis-1,2-Dichloroethene
 Concen: 96.75 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.3	0.0	293.0	
98	65.2	0.0	131.8	

Manual Integrations
 APPROVED

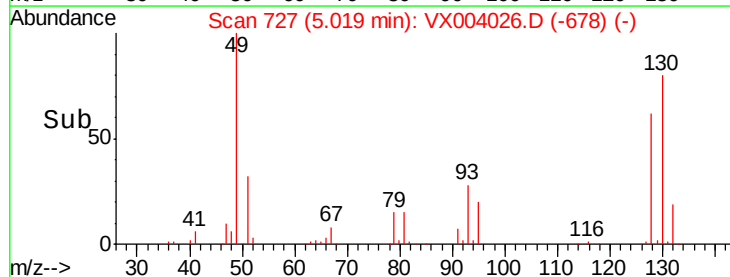
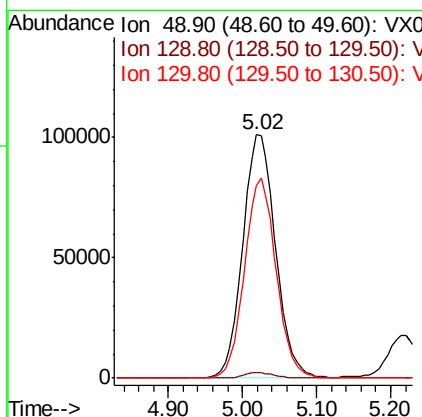
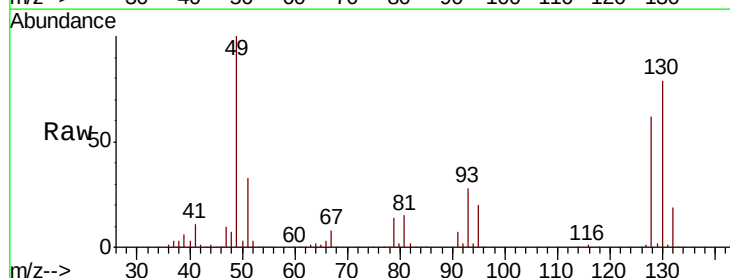
MMDadoda
 8/15/2018 4:49:53 PM

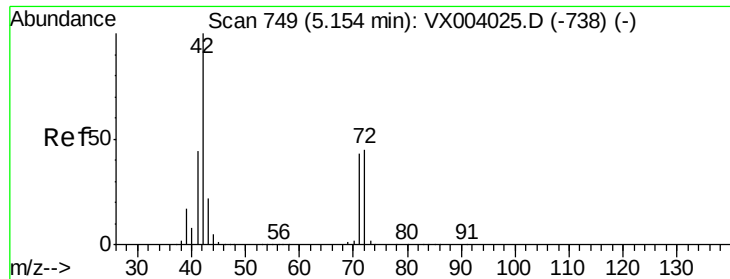


#28

Bromochloromethane
 Concen: 99.67 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.2	
130	79.2	66.5	99.7	





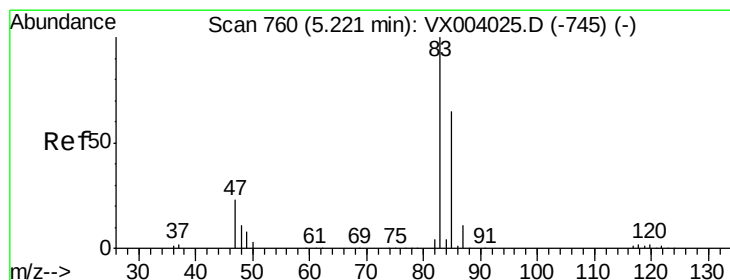
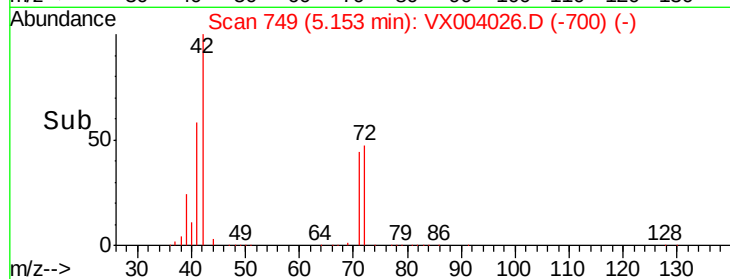
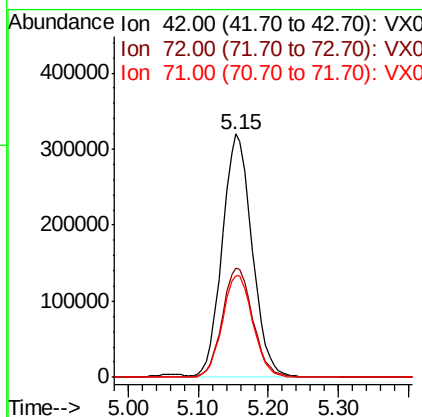
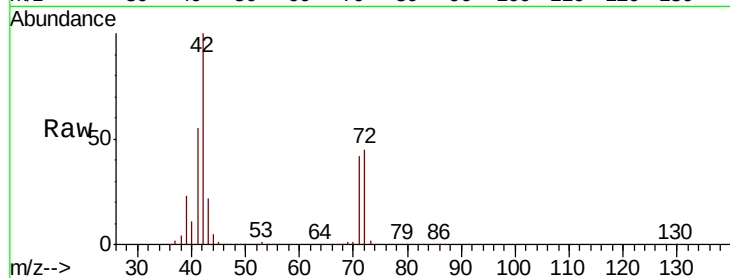
#29
Tetrahydrofuran
Concen: 477.83 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.7	56.5
71	42.8	35.0	52.6

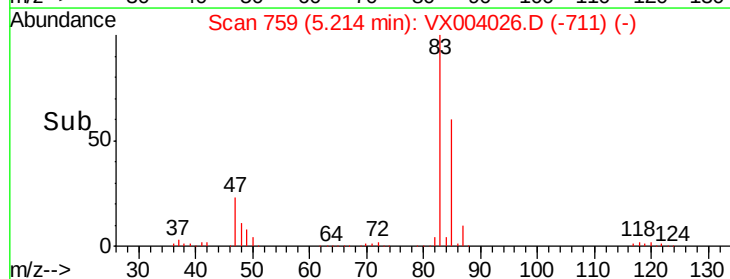
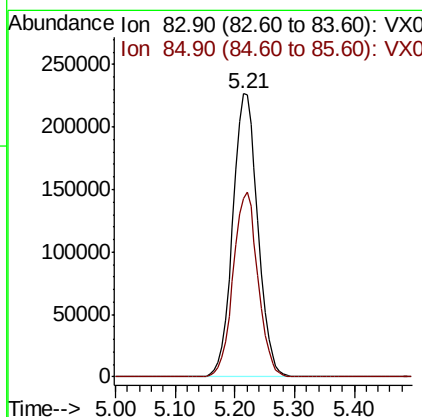
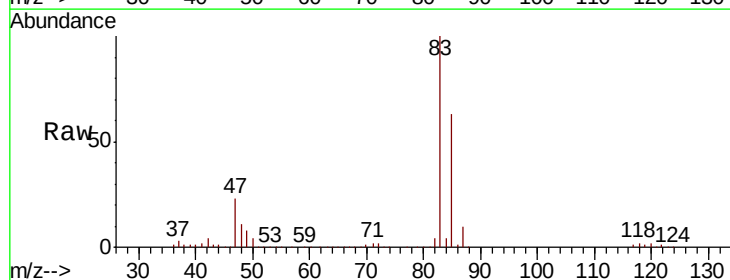
Manual Integrations
APPROVED

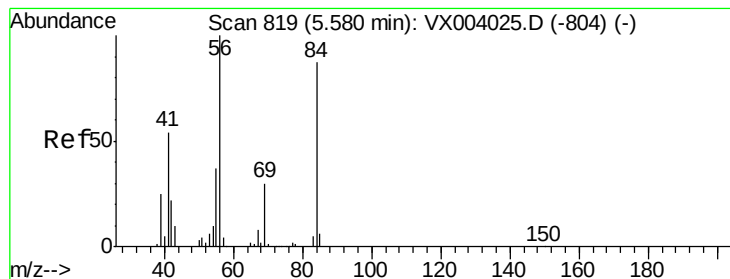
MMDadoda
8/15/2018 4:49:53 PM



#30
Chloroform
Concen: 95.72 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.7	76.1





#31

Cyclohexane

Concen: 98.60 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 612229

Ion Ratio Lower Upper

56 100

69 31.0 24.9 37.3

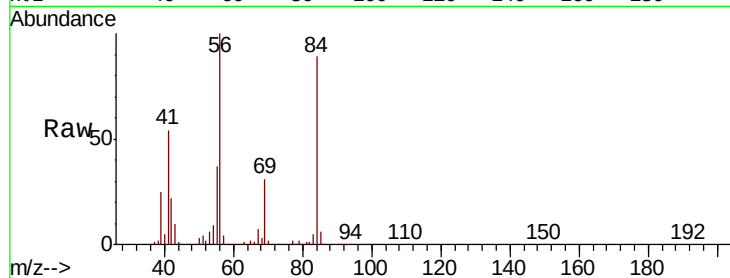
84 88.5 71.7 107.5

Manual Integrations

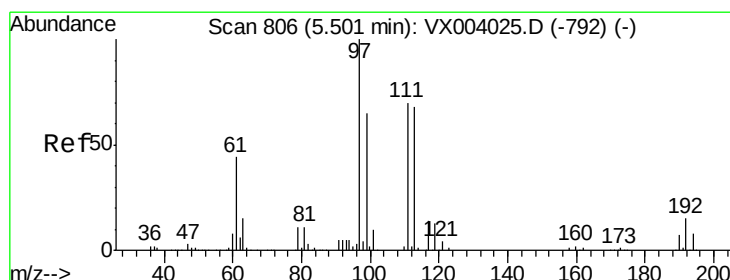
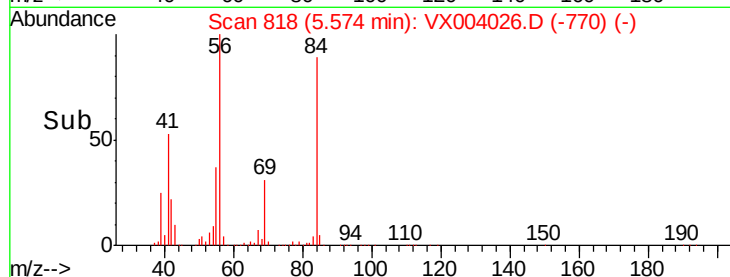
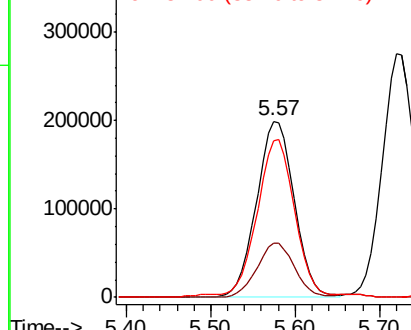
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8/15/2018 4:49:53 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 99.07 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

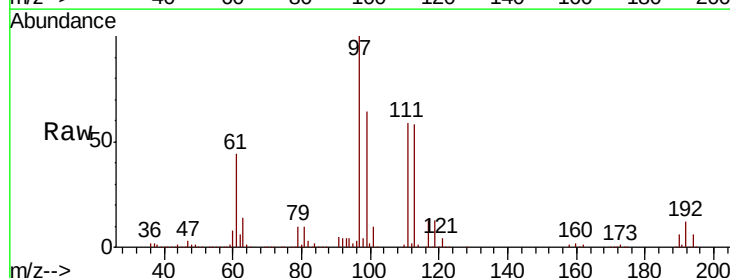
Tgt Ion: 97 Resp: 574247

Ion Ratio Lower Upper

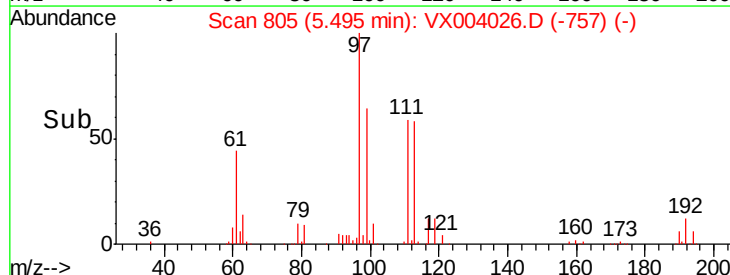
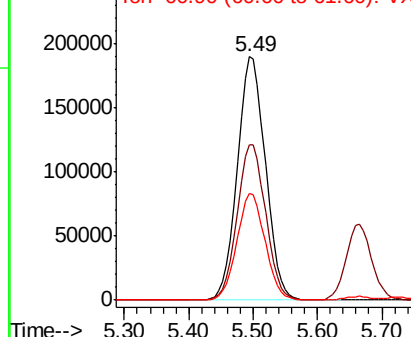
97 100

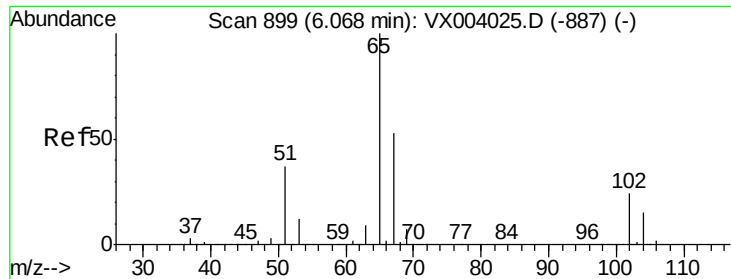
99 64.6 51.8 77.8

61 43.9 34.4 51.6



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





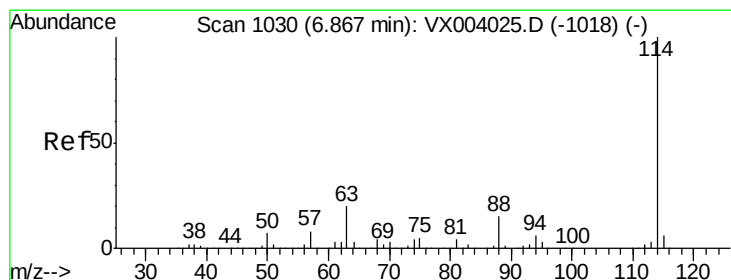
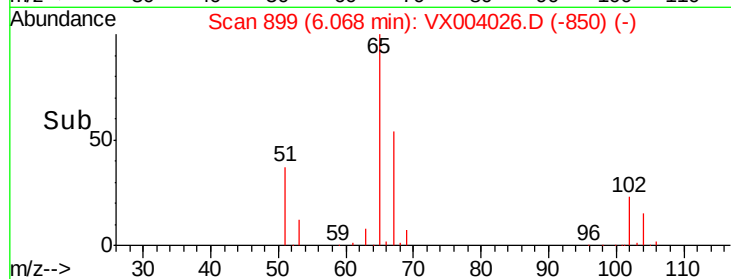
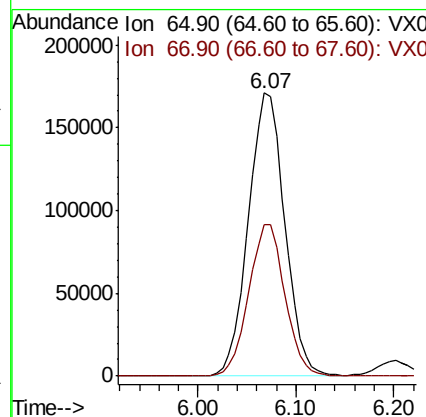
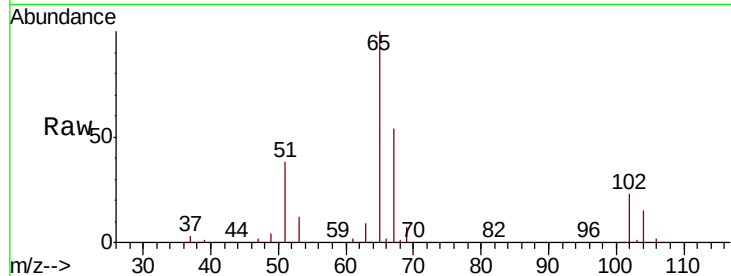
#33
 1,2-Dichloroethane-d4
 Concen: 102.71 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	442480		
67	53.2	0.0	105.8	

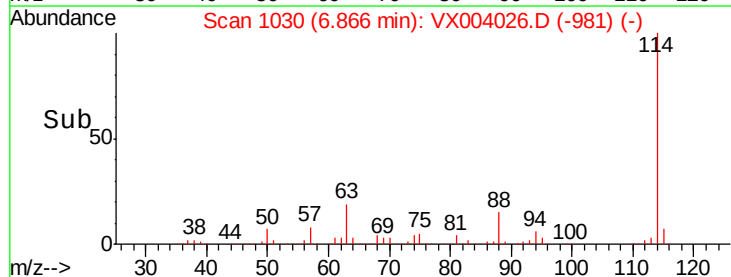
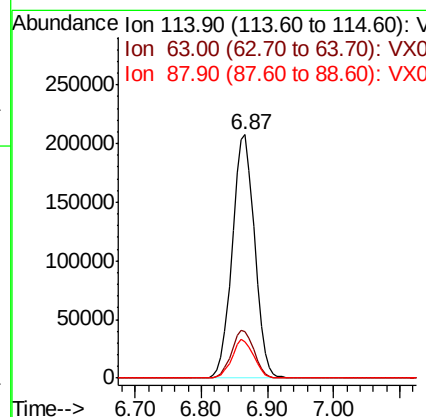
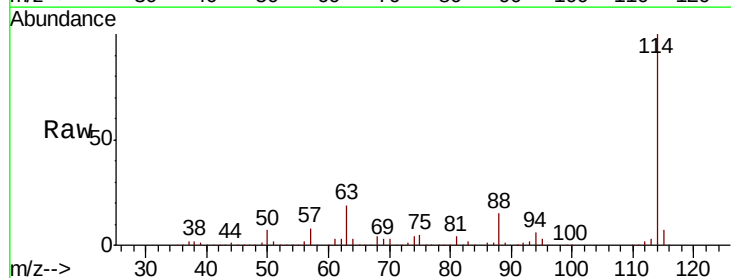
Manual Integrations
 APPROVED

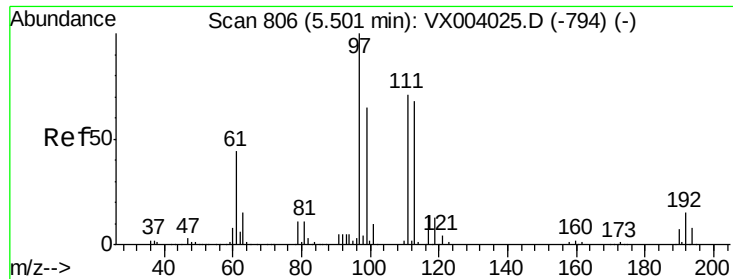
MMDadoda
 8/15/2018 4:49:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486020		
63	19.3	0.0	39.0	
88	15.0	0.0	32.0	





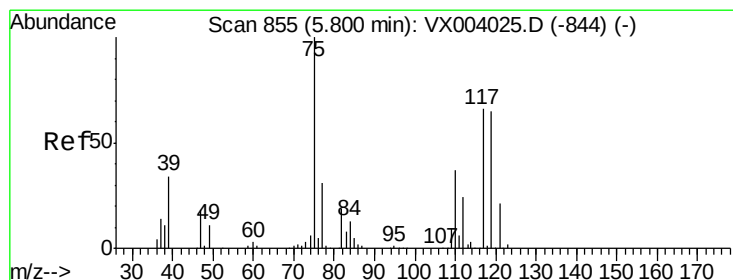
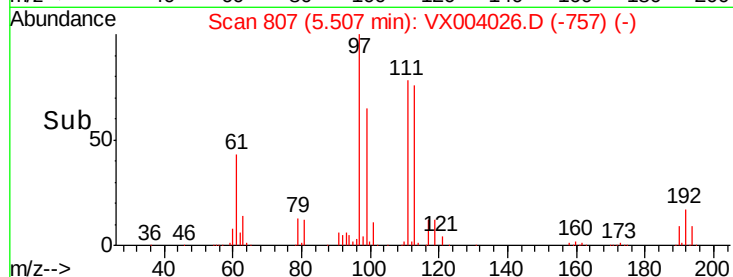
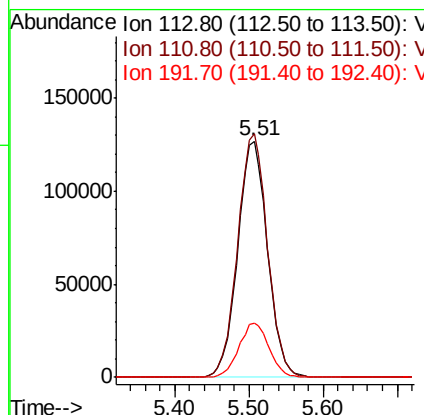
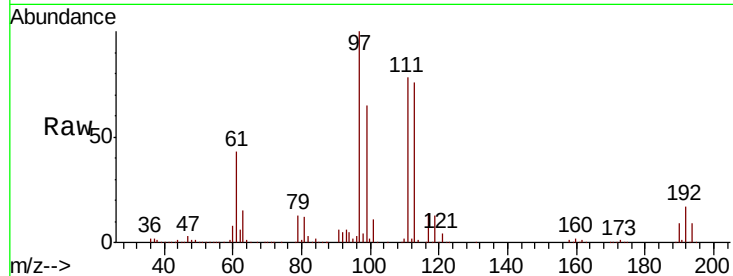
#35
 Dibromofluoromethane
 Concen: 96.72 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	356107		
111	103.1	82.0	123.0	
192	23.3	19.0	28.4	

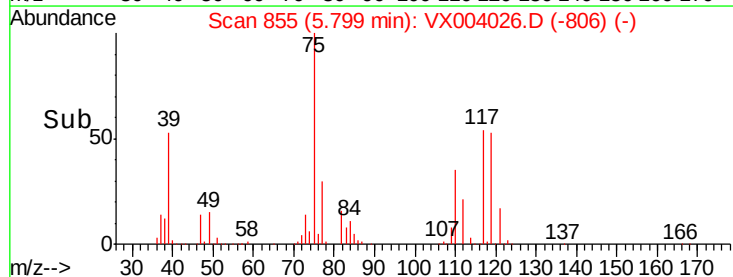
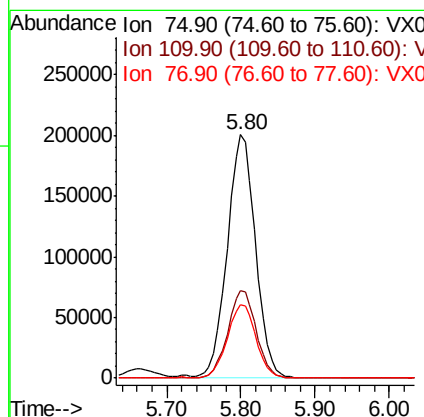
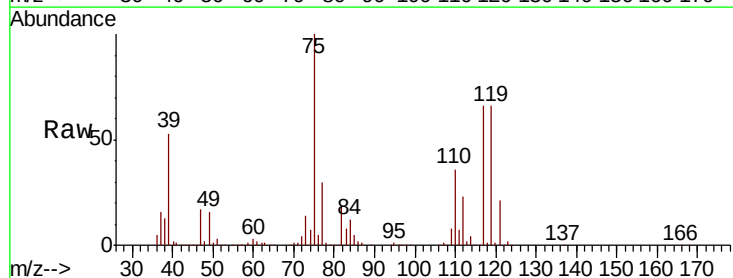
Manual Integrations
 APPROVED

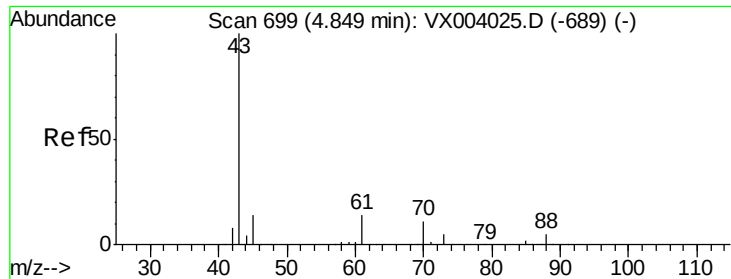
MMDadoda
 8/15/2018 4:49:53 PM



#36
 1,1-Dichloropropene
 Concen: 97.56 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	531053		
110	36.2	18.2	54.6	
77	30.7	25.0	37.4	





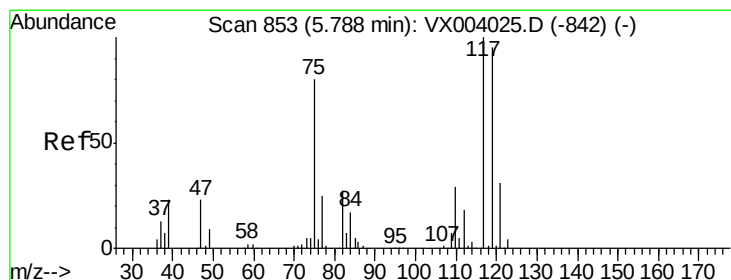
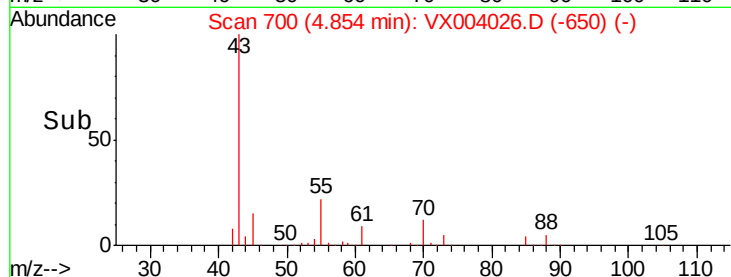
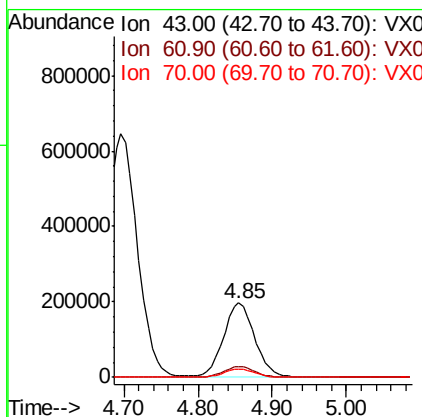
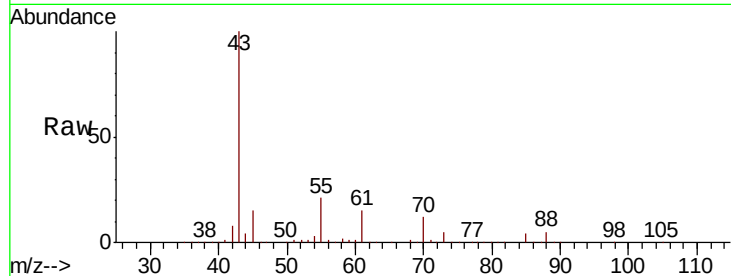
#37
Ethyl Acetate
Concen: 96.07 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.1	9.0	13.4

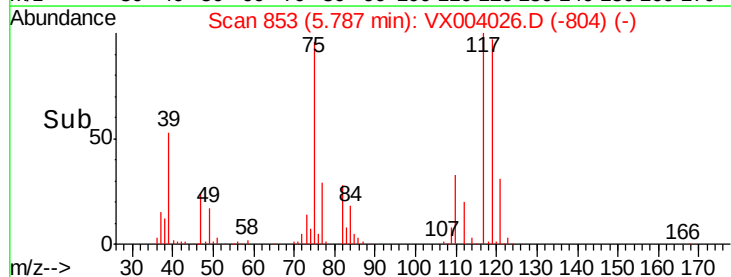
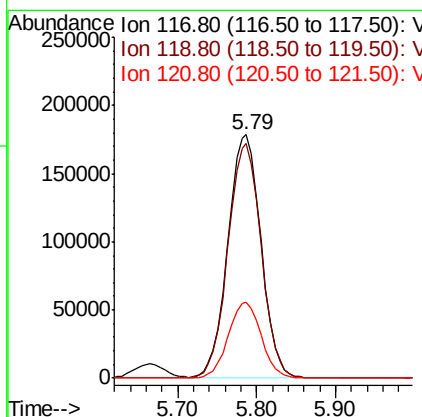
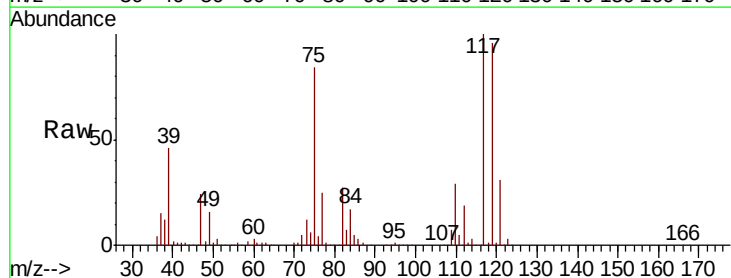
Manual Integrations
APPROVED

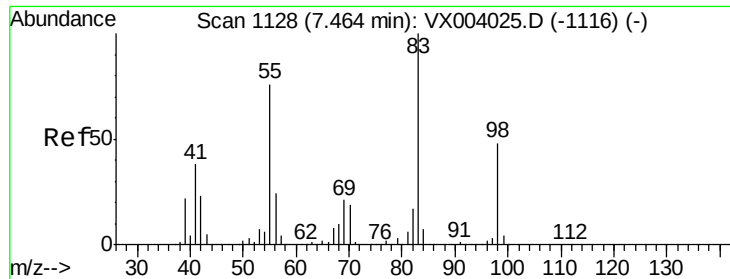
MMDadoda
8/15/2018 4:49:53 PM



#38
Carbon Tetrachloride
Concen: 100.56 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.5	119.3
121	31.2	25.0	37.4





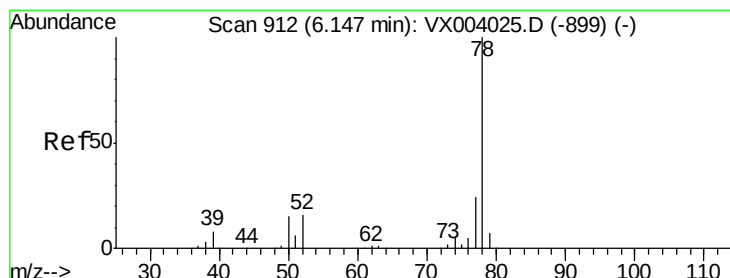
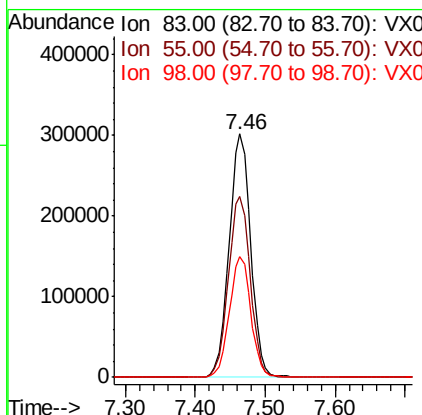
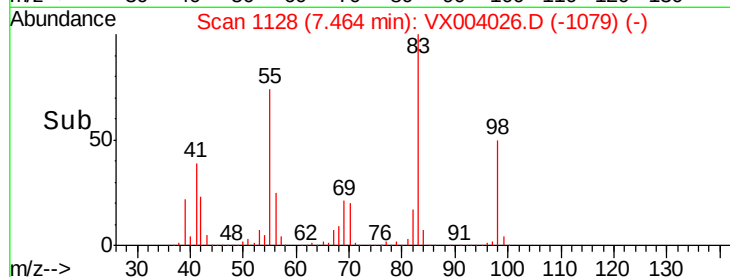
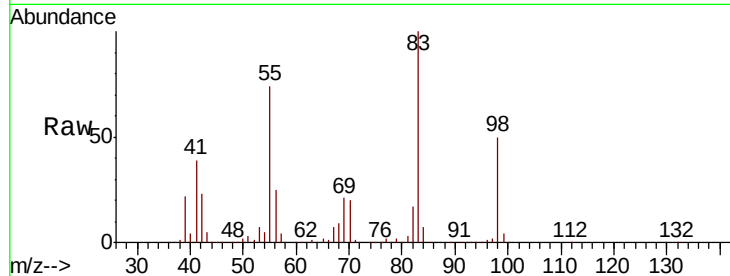
#39
Methylvlcyclohexane
Concen: 100.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	61.0	91.6
98	49.6	38.6	57.8

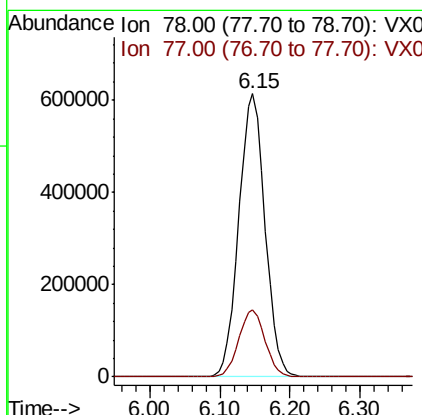
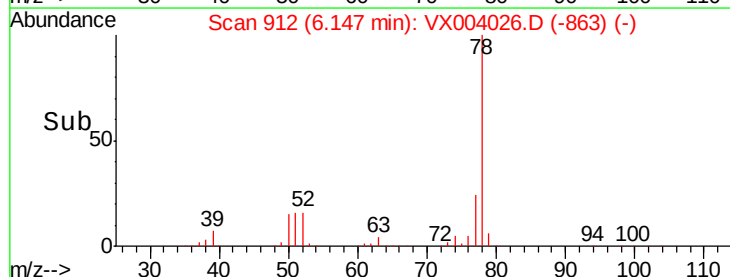
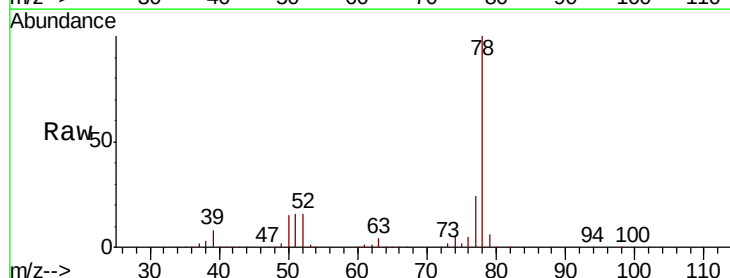
Manual Integrations
APPROVED

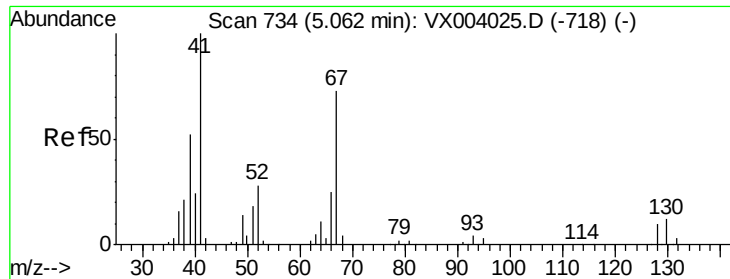
MMDadoda
8/15/2018 4:49:53 PM



#40
Benzene
Concen: 97.53 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





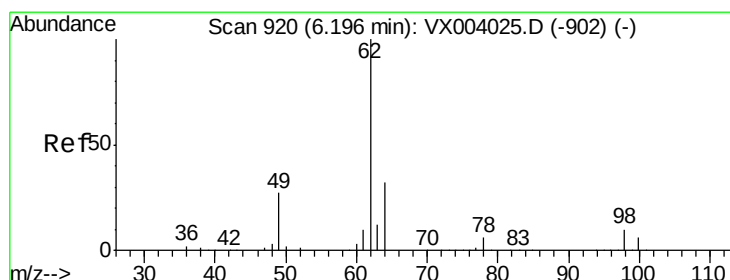
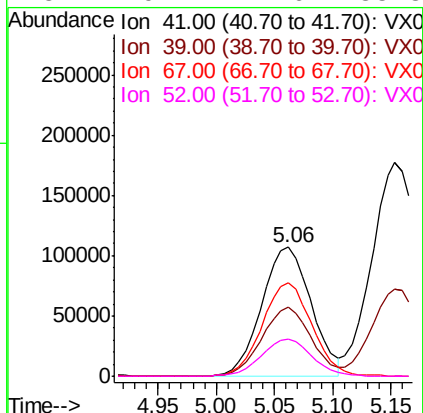
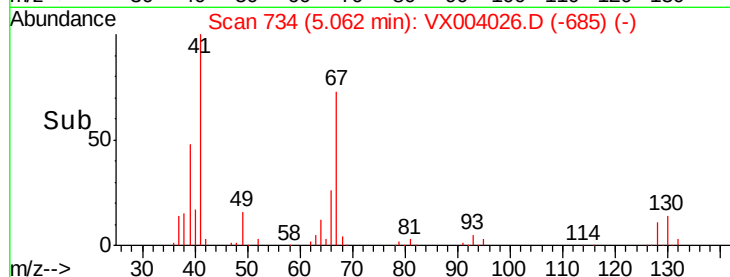
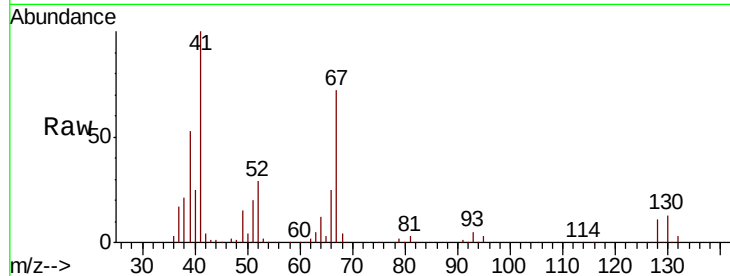
#41
Methacrylonitrile
Concen: 95.63 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		315351		
39	52.7	42.7	64.1		
67	73.0	58.9	88.3		
52	29.2	22.6	33.8		

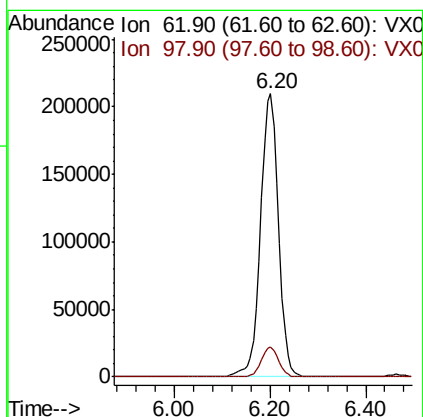
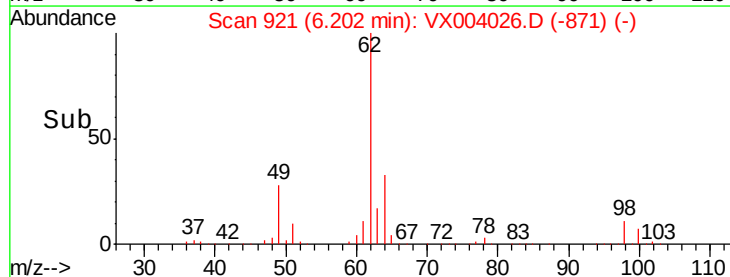
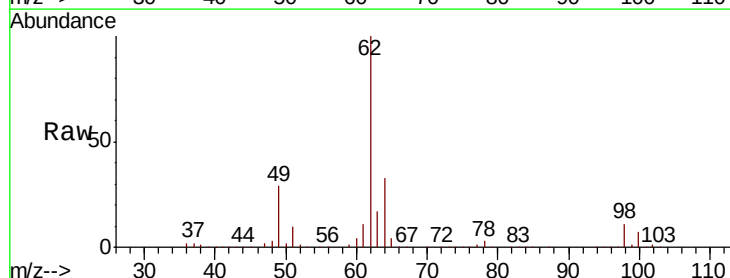
Manual Integrations
APPROVED

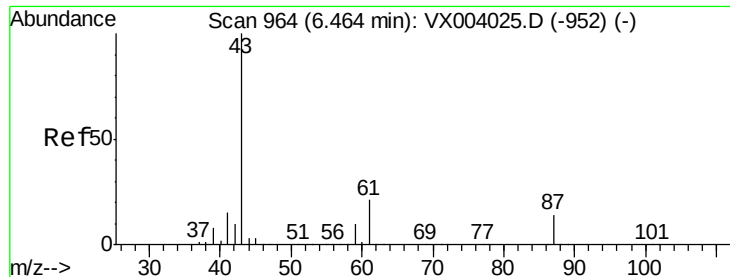
MMDadoda
8/15/2018 4:49:53 PM



#42
1,2-Dichloroethane
Concen: 98.10 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		542166		
98	10.3	0.0	20.4		





#43

Isopropyl Acetate

Concen: 99.74 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

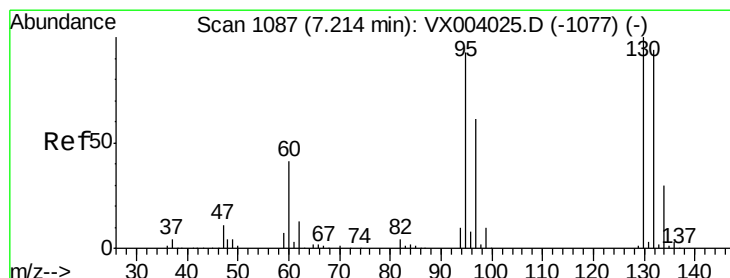
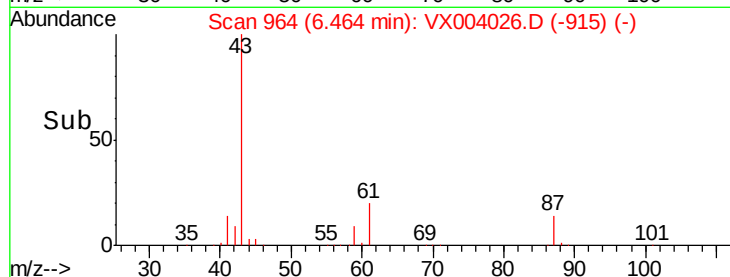
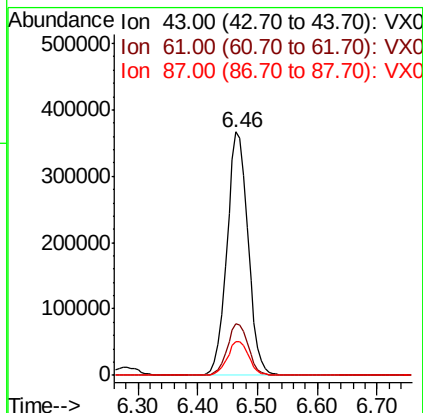
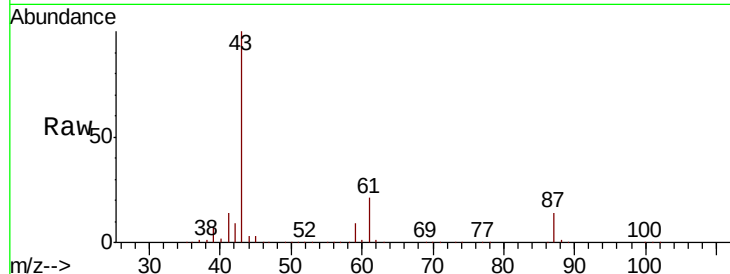
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	898786
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.9	25.3
87	14.1	11.3	16.9

Manual Integrations
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MMDadoda
8/15/2018 4:49:53 PM



#44

Trichloroethene

Concen: 97.25 ug/l

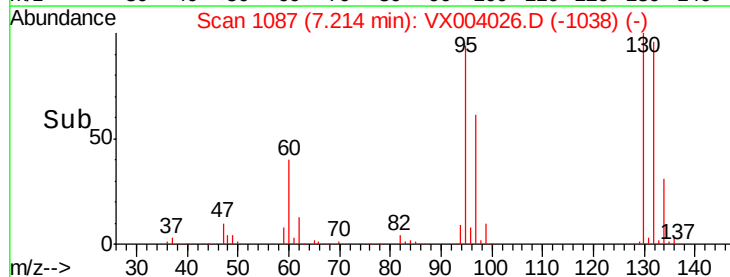
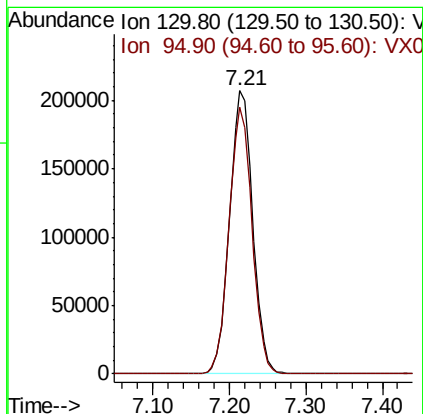
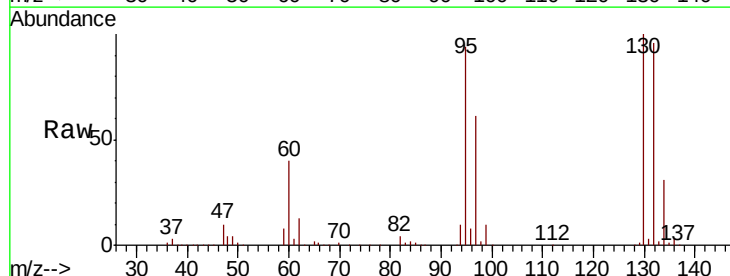
RT: 7.21 min Scan# 1087

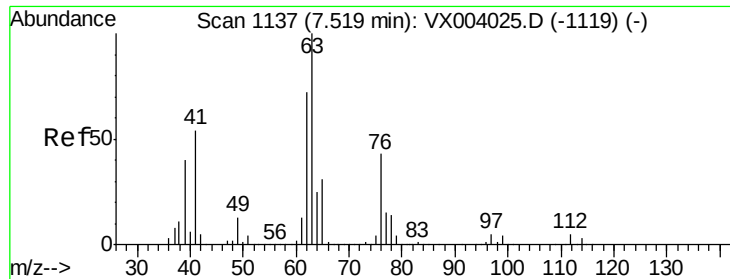
Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tgt Ion:	130	Resp:	434745
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	199.4





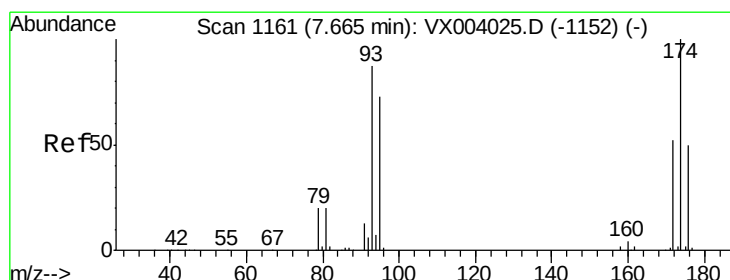
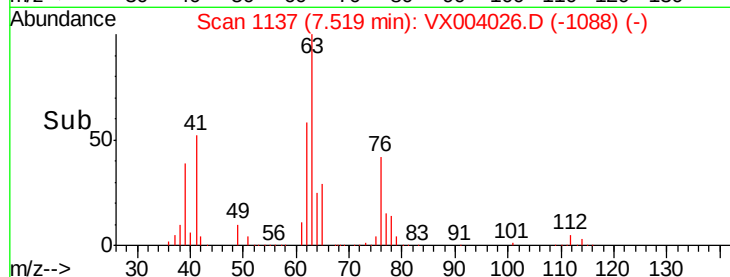
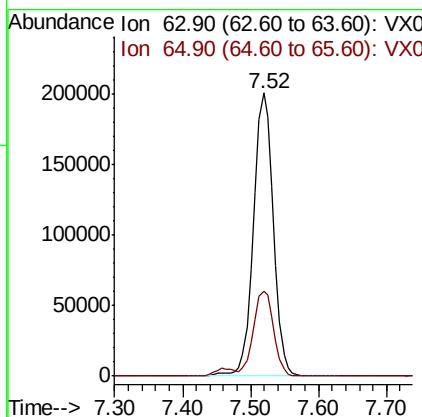
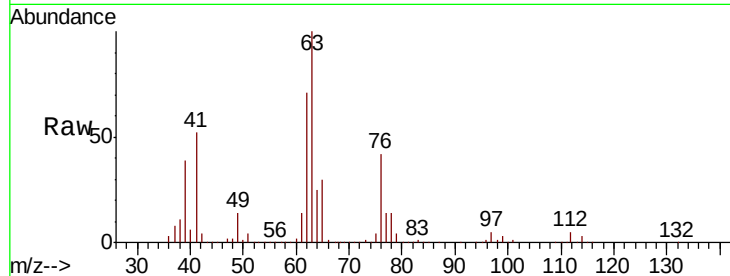
#45
 1,2-Dichloropropane
 Concen: 96.95 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	36.8

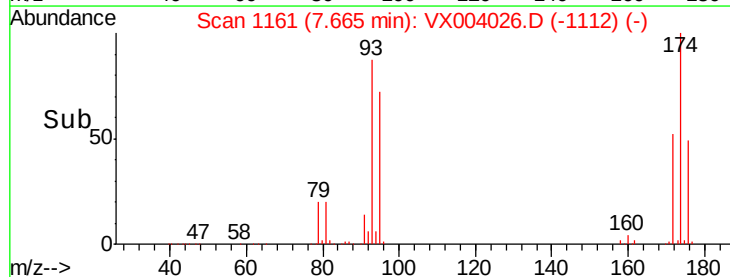
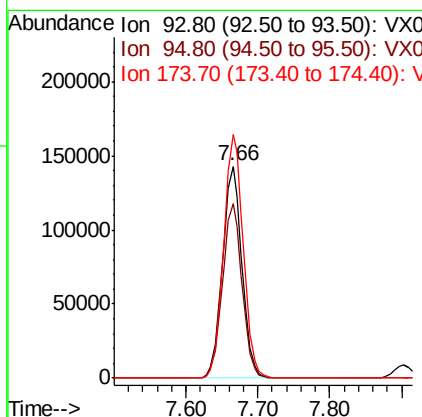
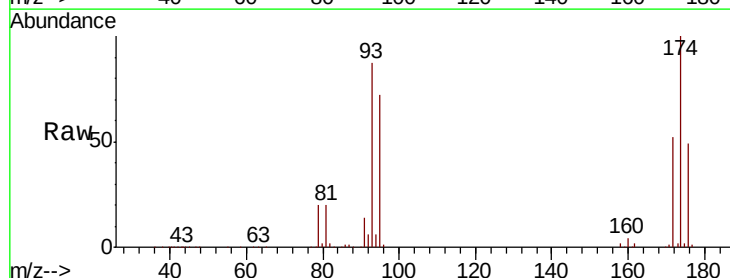
Manual Integrations
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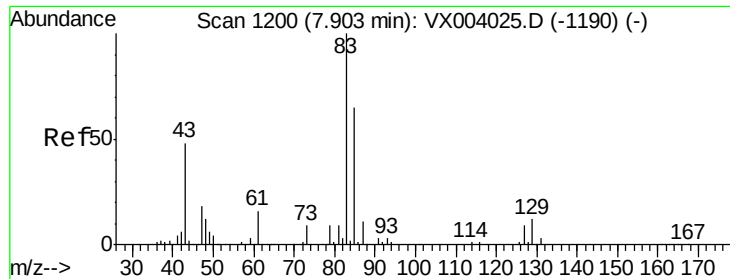
MMDadoda
 8/15/2018 4:49:53 PM



#46
 Dibromomethane
 Concen: 97.55 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	116.5	94.3	141.5





#47

Bromodichloromethane

Concen: 102.67 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

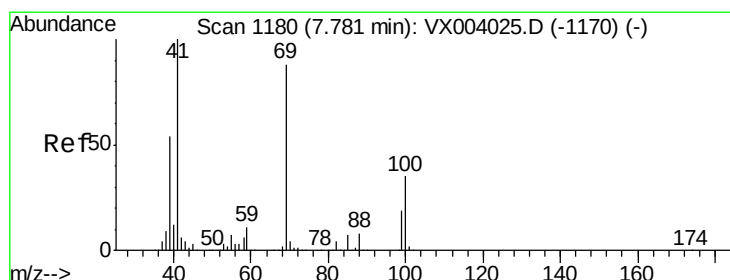
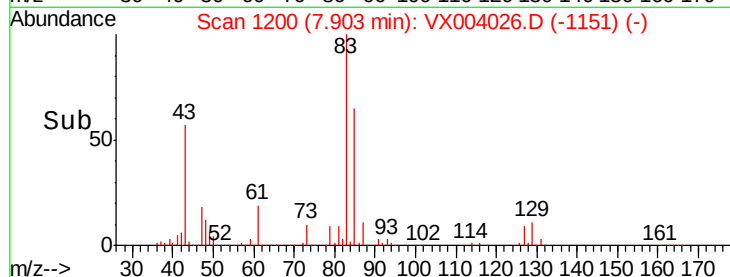
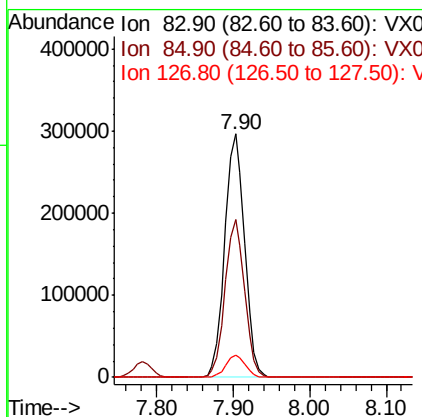
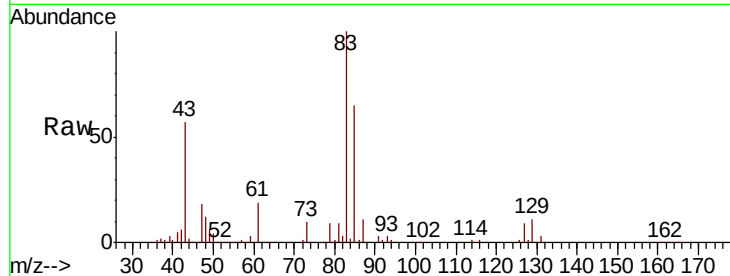
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	530019
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8
127	8.9	7.2	10.8

Manual Integrations
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MMDadoda
8/15/2018 4:49:53 PM



#48

Methyl methacrylate

Concen: 103.17 ug/l

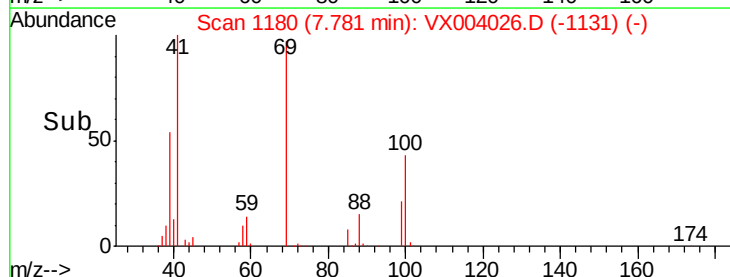
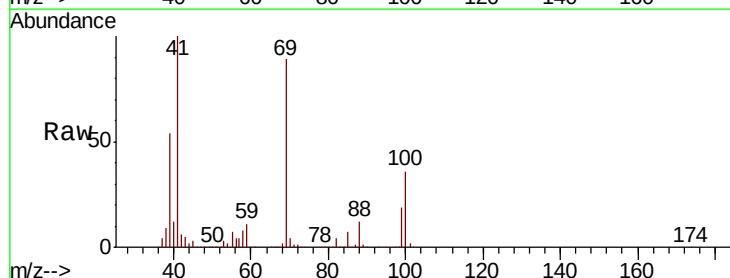
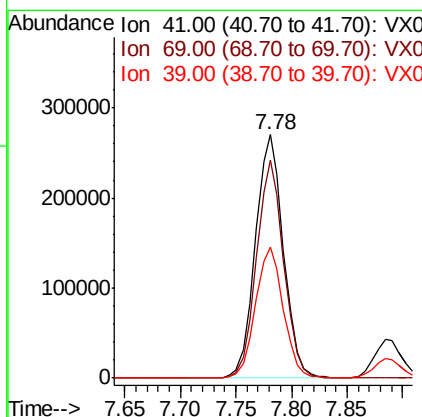
RT: 7.78 min Scan# 1180

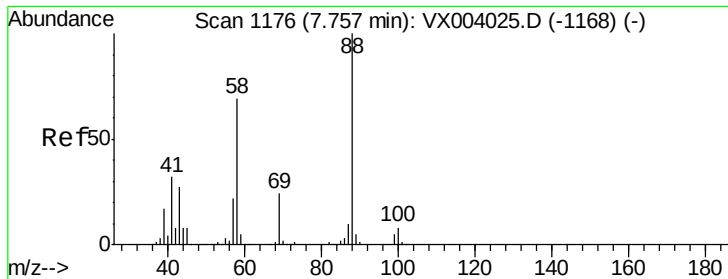
Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tgt Ion:	41	Resp:	472561
Ion	Ratio	Lower	Upper
41	100		
69	87.4	68.8	103.2
39	53.6	42.3	63.5





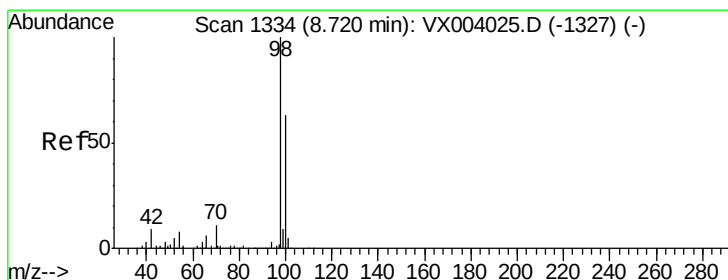
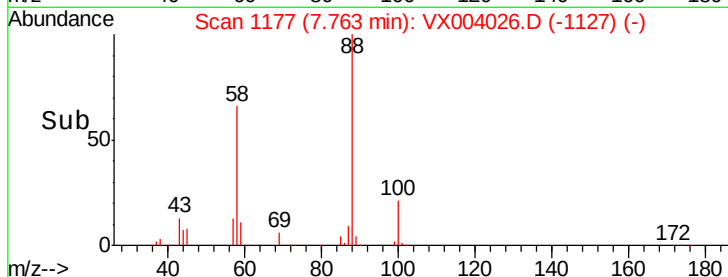
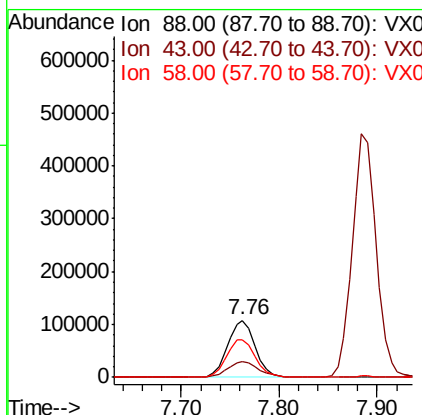
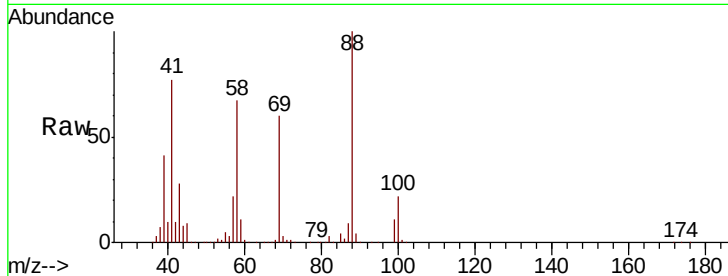
#49
1,4-Dioxane
Concen: 1932.98 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	88	Resp	208575
Ion Ratio	100	Lower	Upper
88	100		
43	30.3	23.8	35.8
58	69.3	55.4	83.0

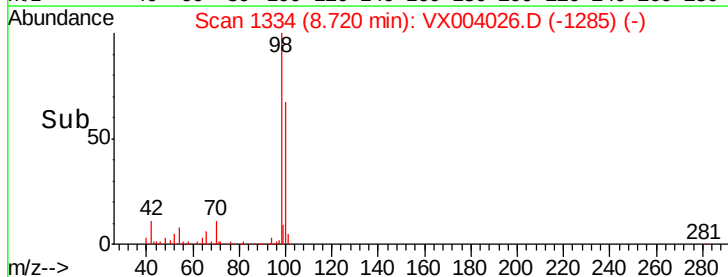
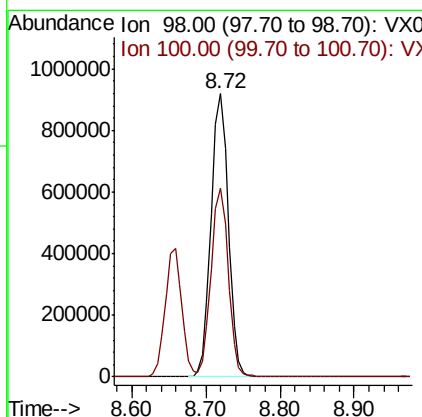
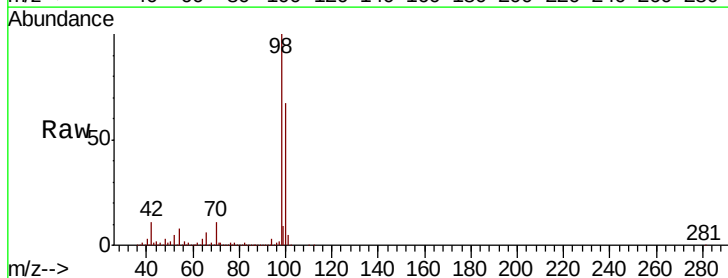
Manual Integrations
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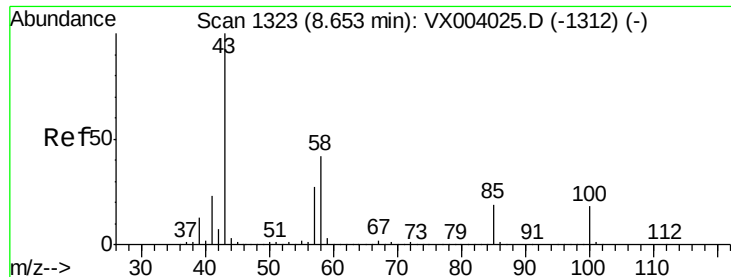
MMDadoda
8/15/2018 4:49:53 PM



#50
Toluene-d8
Concen: 102.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	98	Resp	1465832
Ion Ratio	100	Lower	Upper
98	100		
100	66.3	53.3	79.9





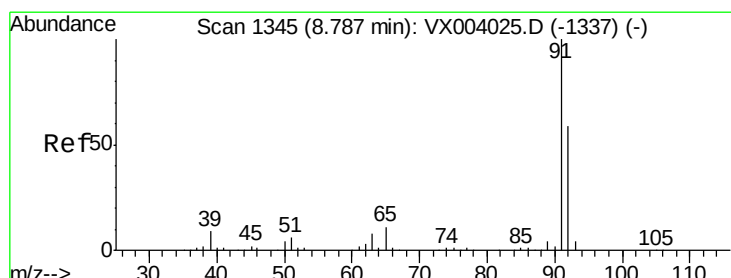
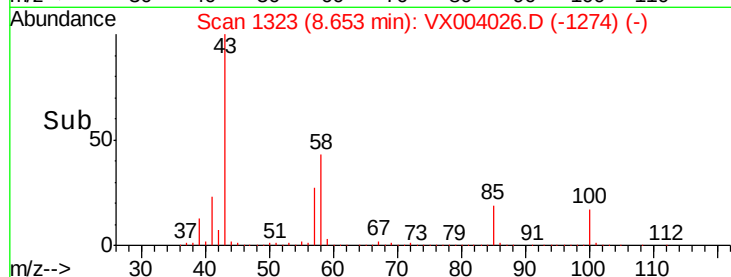
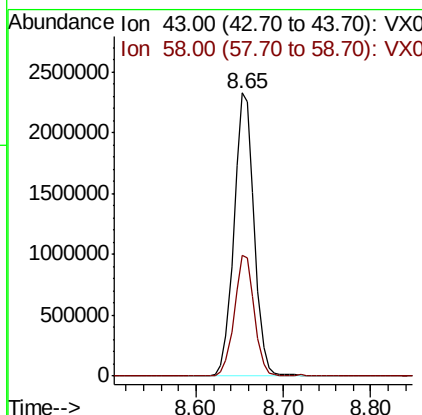
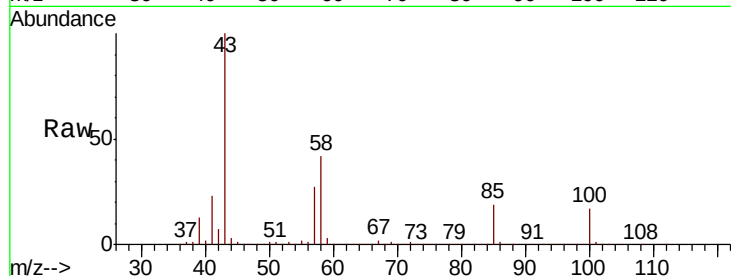
#51
4-Methyl-2-Pentanone
Concen: 502.69 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3754604
Ion Ratio Lower Upper
43 100
58 42.1 33.0 49.6

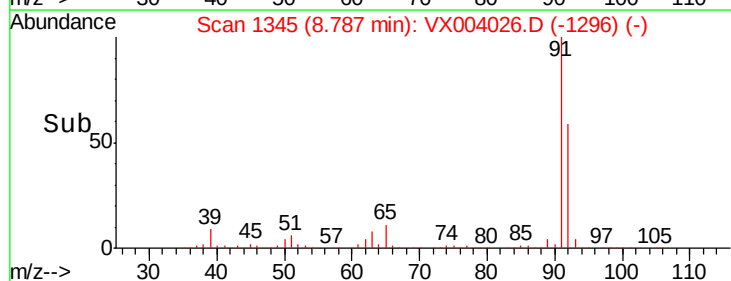
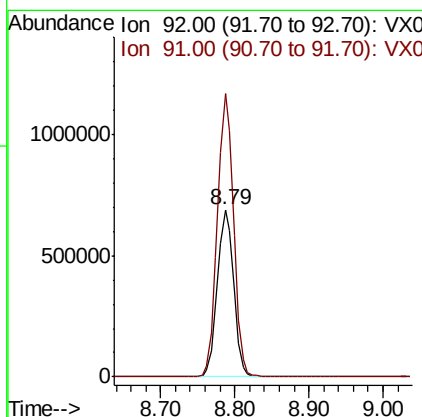
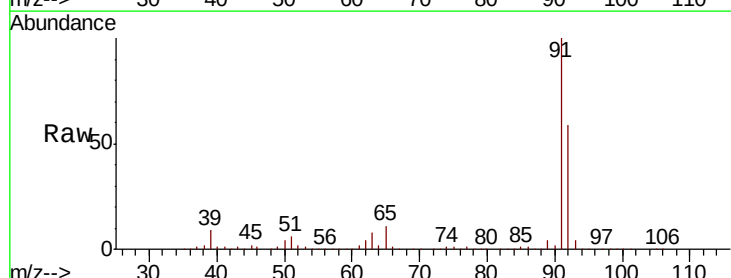
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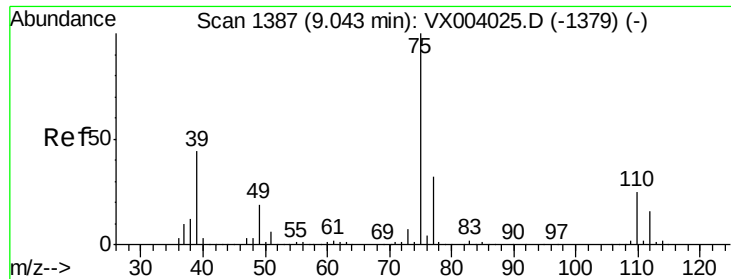
MMDadoda
8/15/2018 4:49:53 PM



#52
Toluene
Concen: 100.46 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion: 92 Resp: 1037528
Ion Ratio Lower Upper
92 100
91 168.5 136.1 204.1





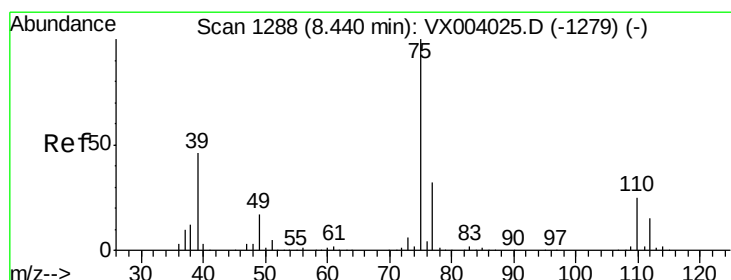
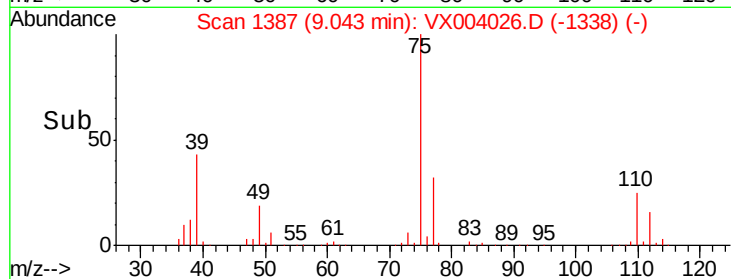
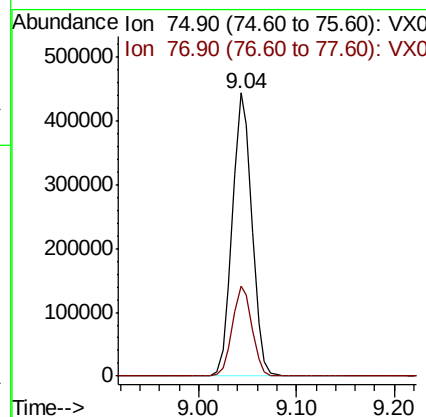
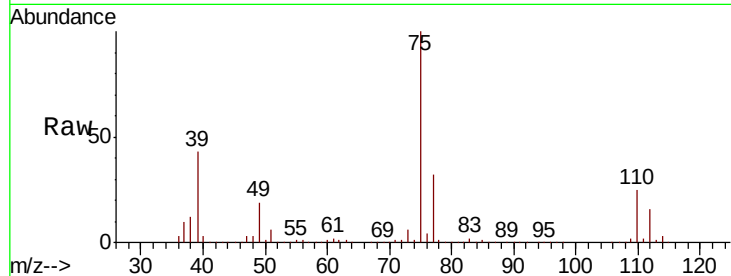
#53
 t-1,3-Dichloropropene
 Concen: 105.74 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion: 75 Resp: 617019
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.1 37.7

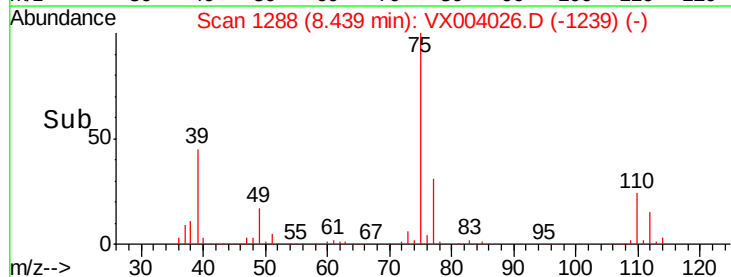
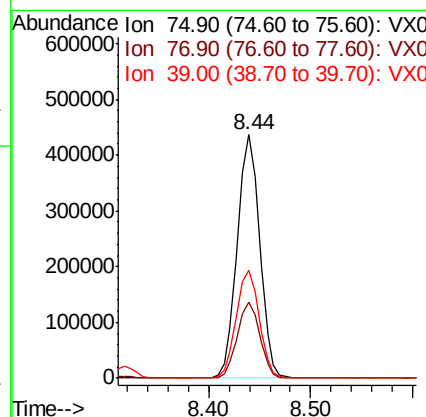
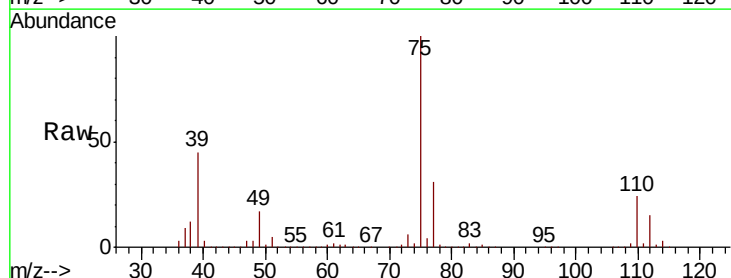
Manual Integrations
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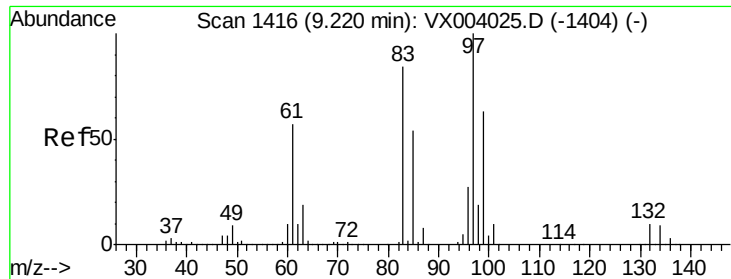
MMDadoda
 8/15/2018 4:49:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 105.13 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion: 75 Resp: 661487
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 44.5 36.2 54.2





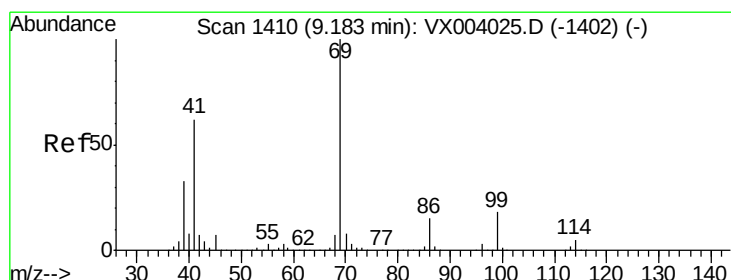
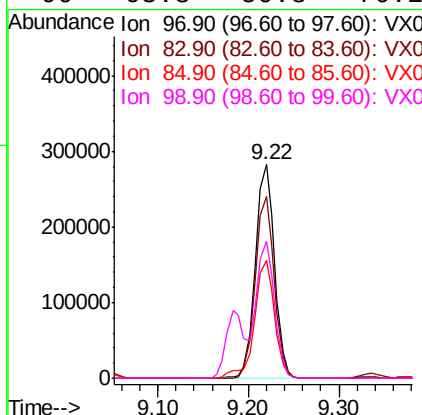
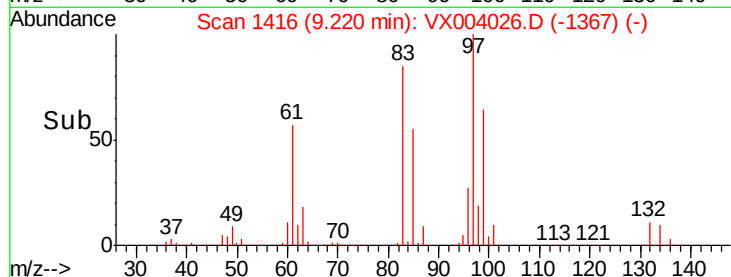
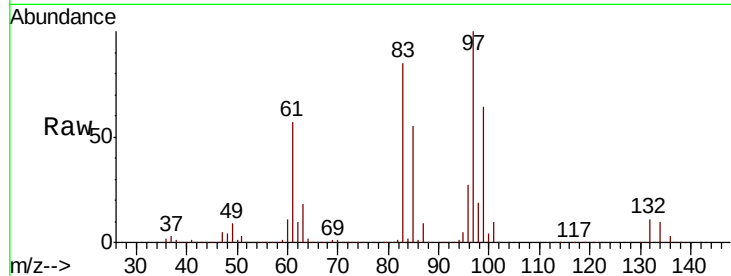
#55
 1,1,2-Trichloroethane
 Concen: 97.63 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:	97	Resp:	412056
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.8	101.6
85	55.0	44.2	66.2
99	63.8	50.8	76.2

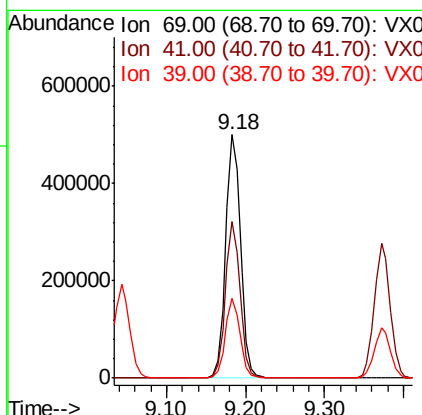
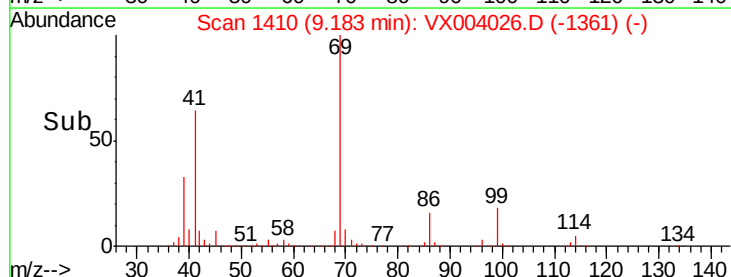
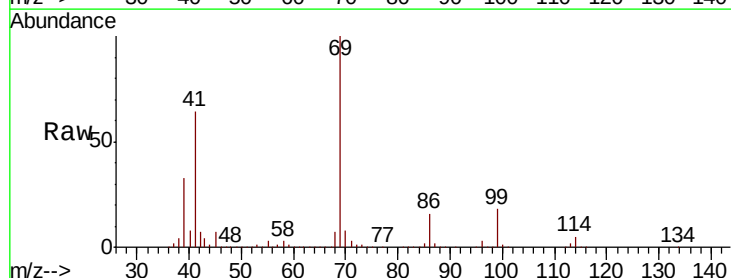
Manual Integrations
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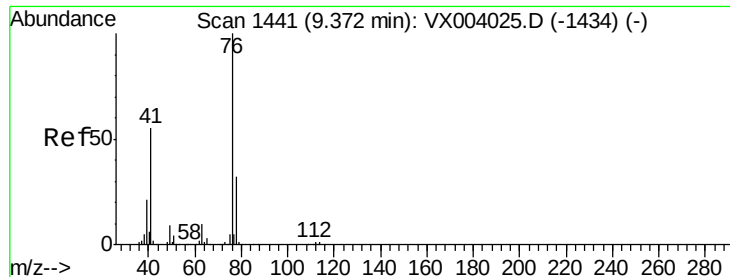
MMDadoda
 8/15/2018 4:49:53 PM



#56
 Ethyl methacrylate
 Concen: 107.27 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion:	69	Resp:	656819
Ion	Ratio	Lower	Upper
69	100		
41	63.3	50.6	76.0
39	32.1	25.8	38.6





#57

1,3-Dichloropropane

Concen: 98.90 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 698574

Ion Ratio Lower Upper

76 100

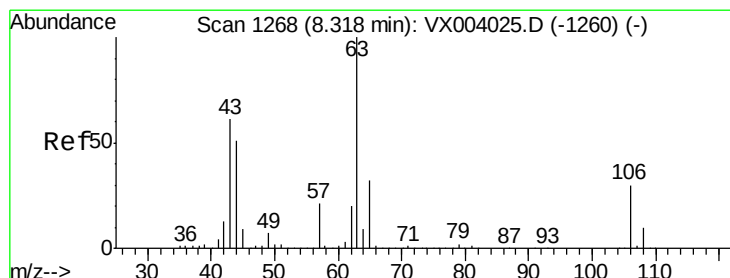
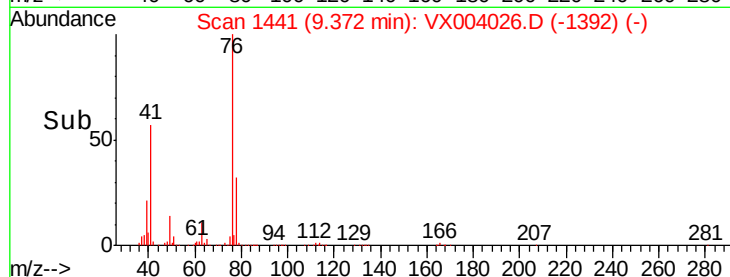
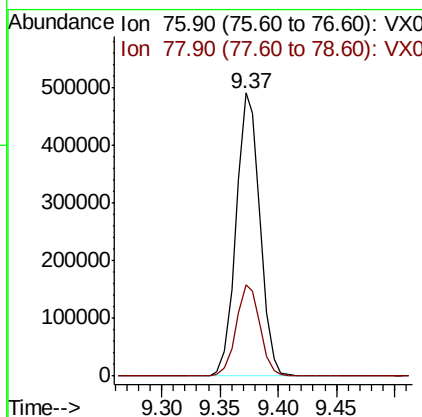
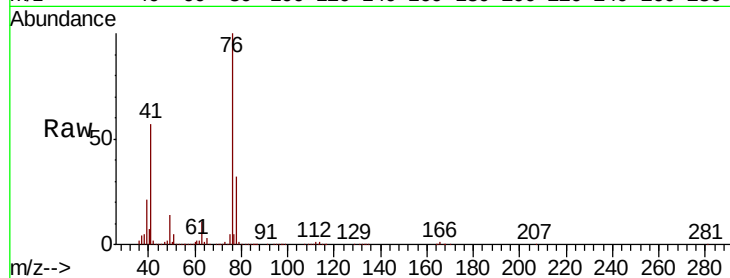
78 32.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/15/2018 4:49:53 PM



#58

2-Chloroethyl Vinyl ether

Concen: 542.53 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004026.D

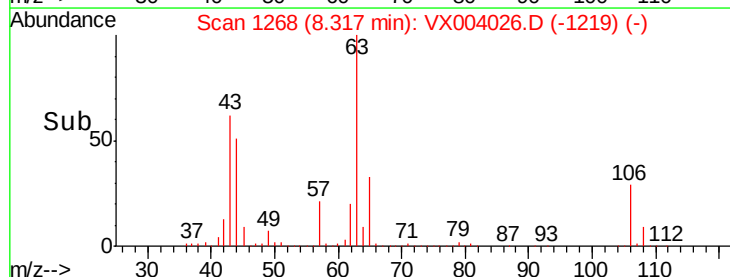
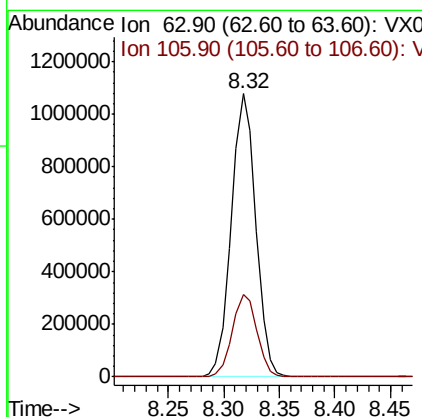
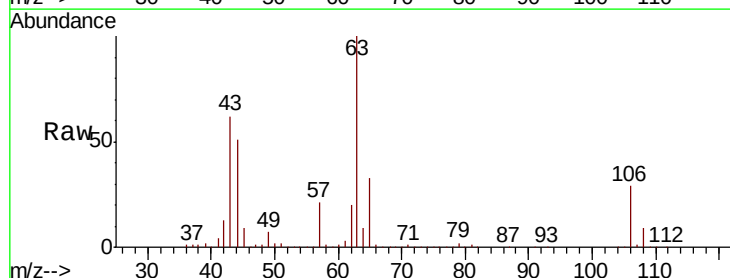
Acq: 14 Aug 2018 12:27

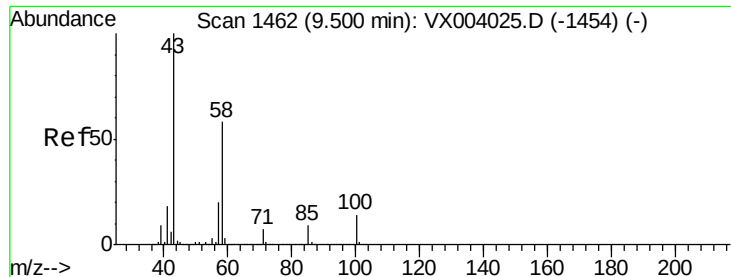
Tgt Ion: 63 Resp: 1633581

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.8





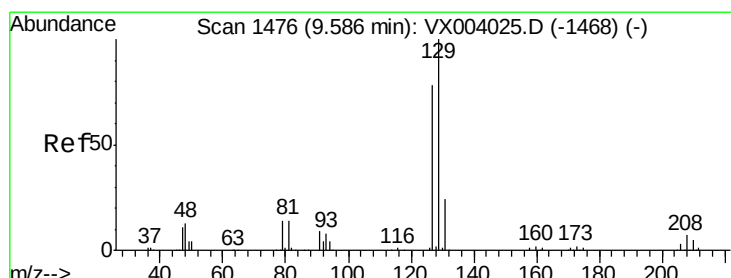
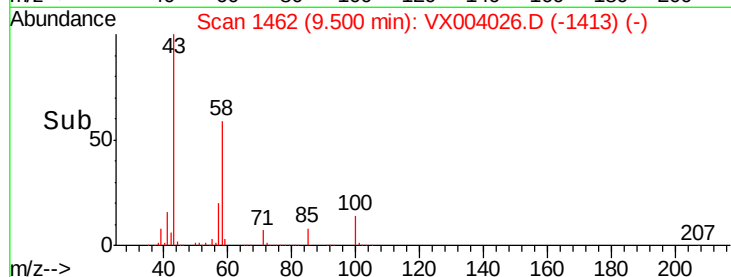
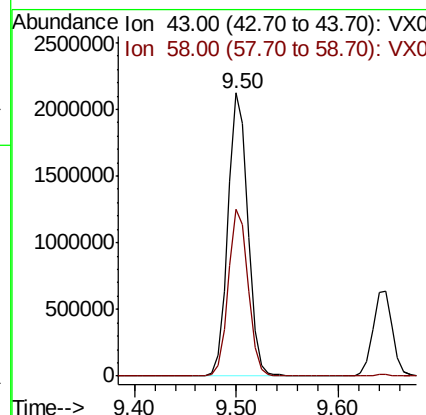
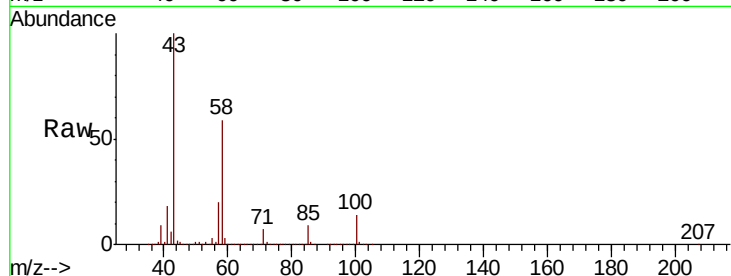
#59
2-Hexanone
Concen: 513.61 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2867542
Ion Ratio Lower Upper
43 100
58 58.8 29.0 87.0

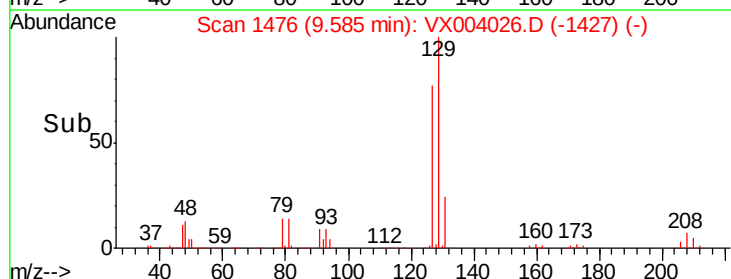
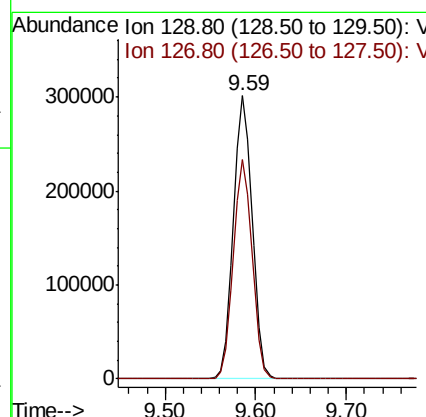
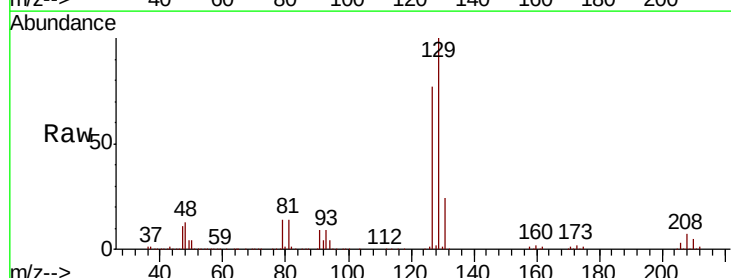
Manual Integrations
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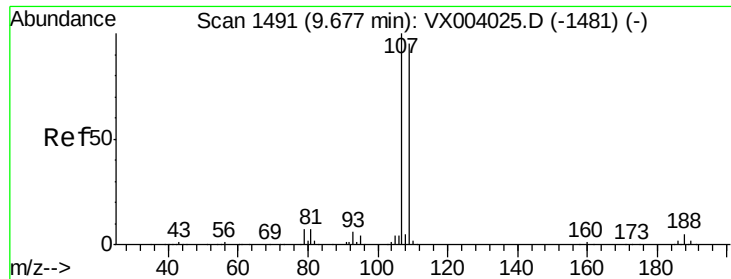
MMDadoda
8/15/2018 4:49:53 PM



#60
Dibromochloromethane
Concen: 110.48 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion: 129 Resp: 434740
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 103.58 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 437693

Ion Ratio Lower Upper

107 100

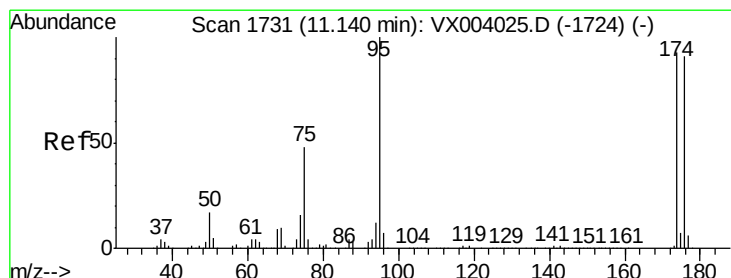
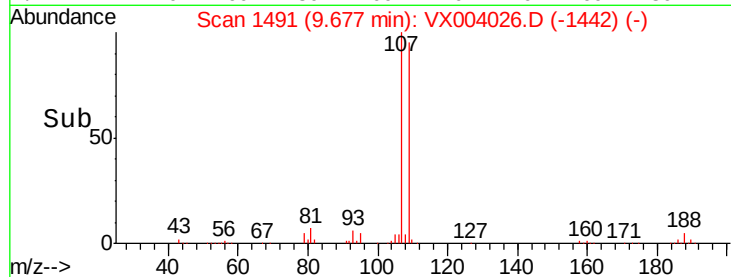
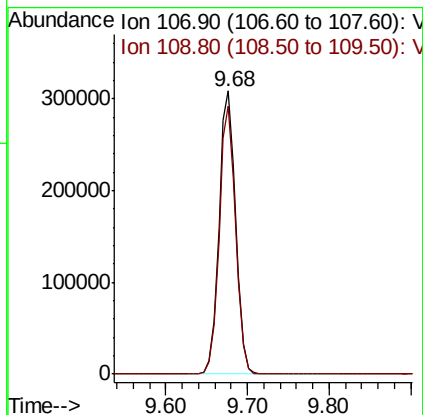
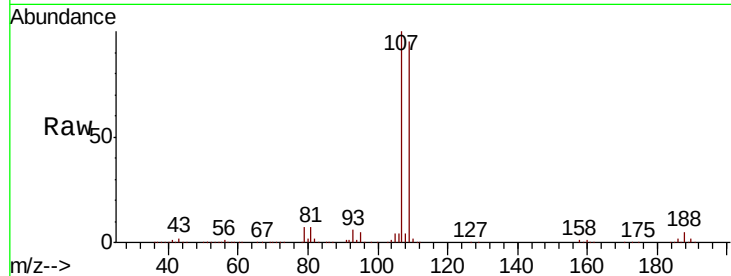
109 93.6 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 119.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

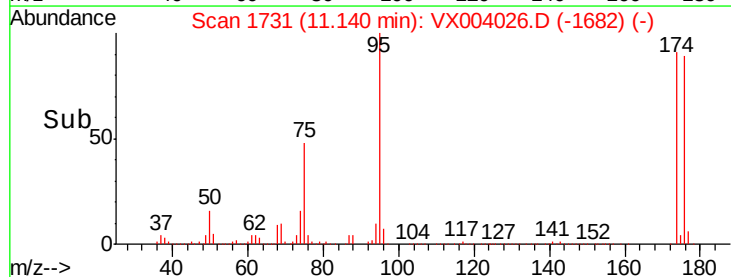
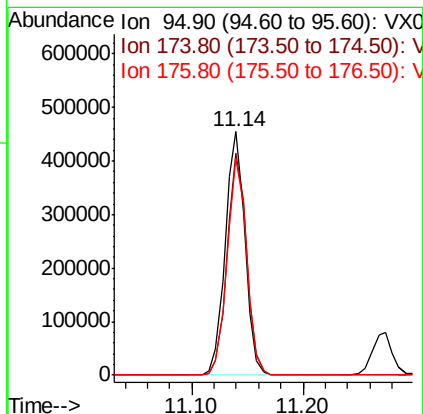
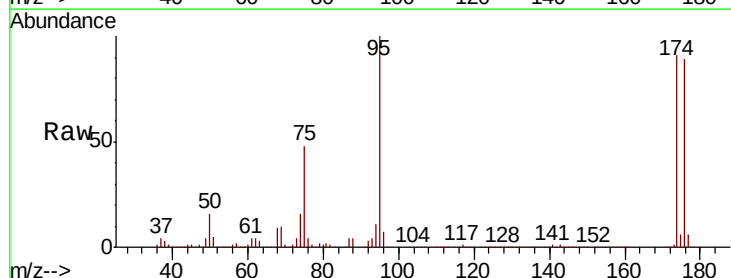
Tgt Ion: 95 Resp: 554583

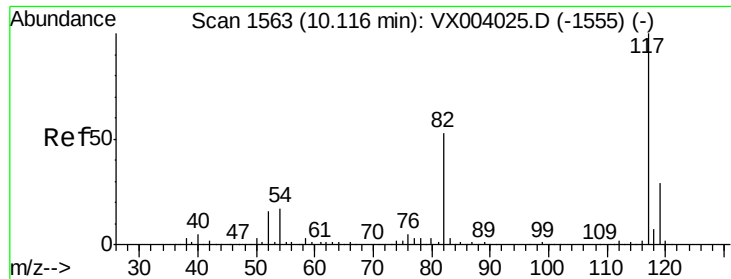
Ion Ratio Lower Upper

95 100

174 90.3 0.0 182.8

176 88.1 0.0 179.0





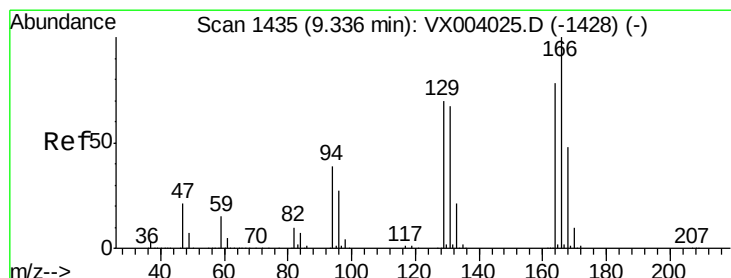
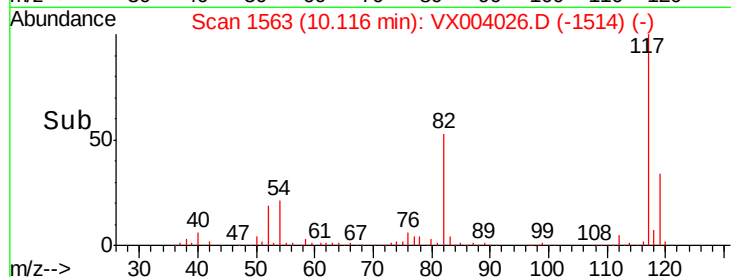
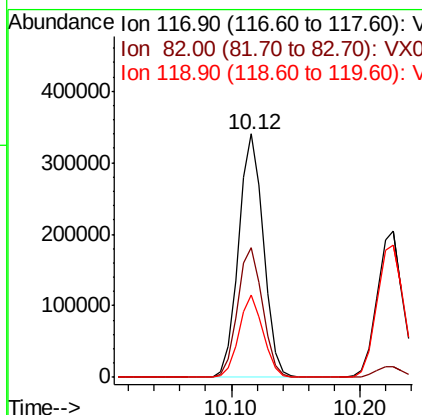
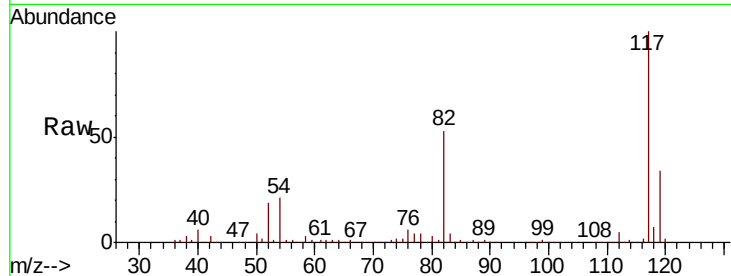
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.4	68.0
119	34.0	26.6	40.0

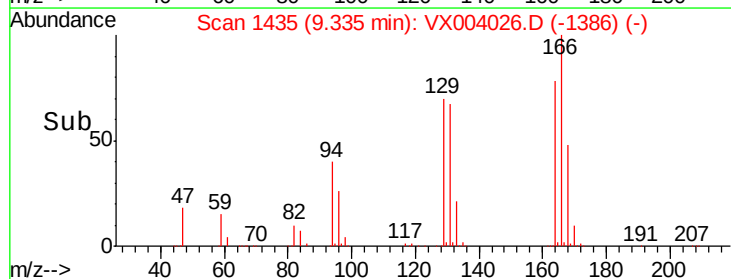
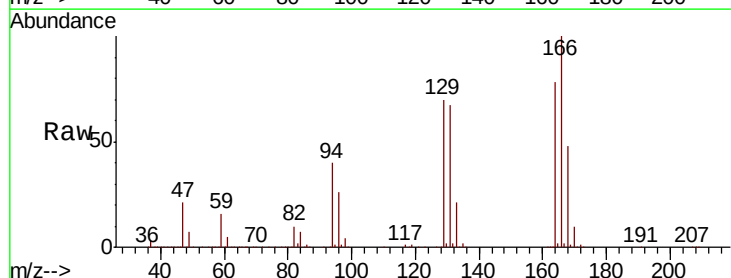
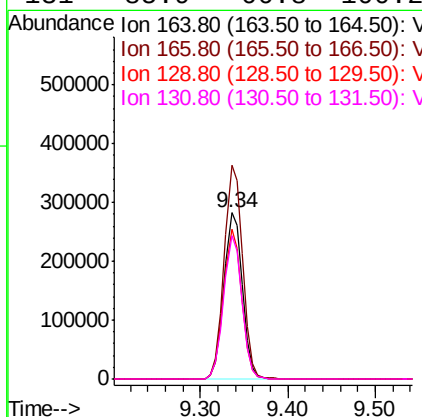
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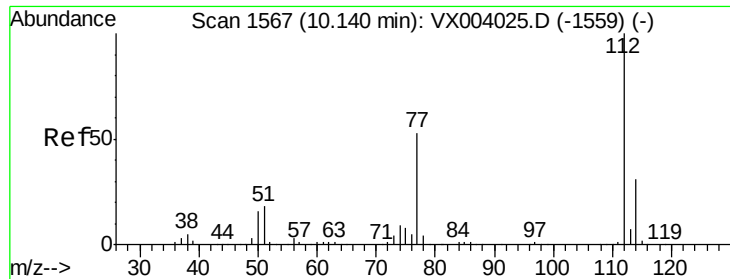
MMDadoda
8/15/2018 4:49:53 PM



#64
Tetrachloroethene
Concen: 92.16 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	98.0	147.0
129	90.2	64.3	96.5
131	85.9	66.8	100.2





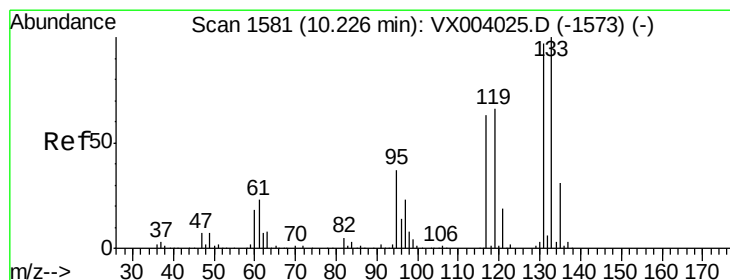
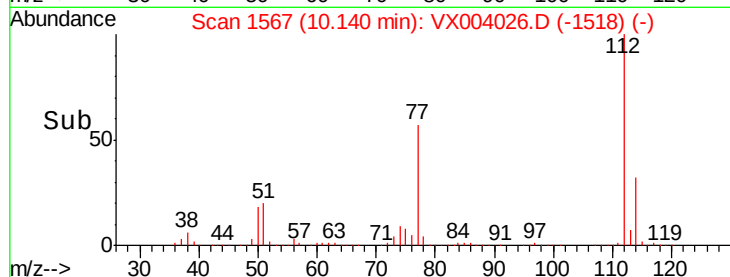
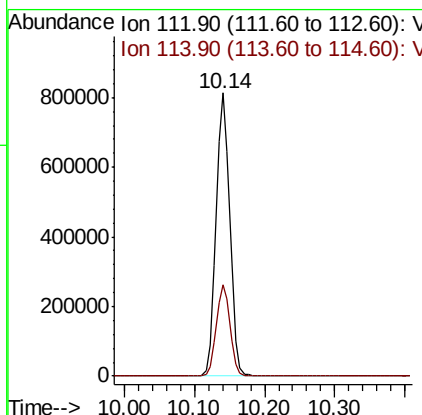
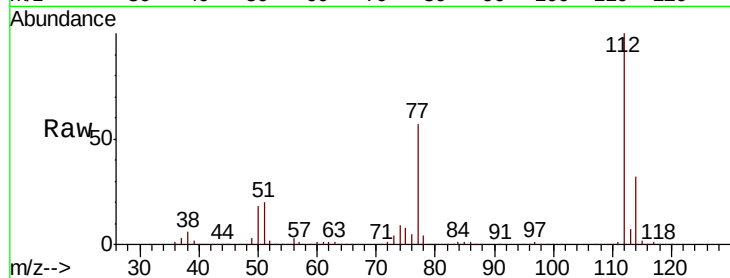
#65
Chlorobenzene
Concen: 93.65 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1107554
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4

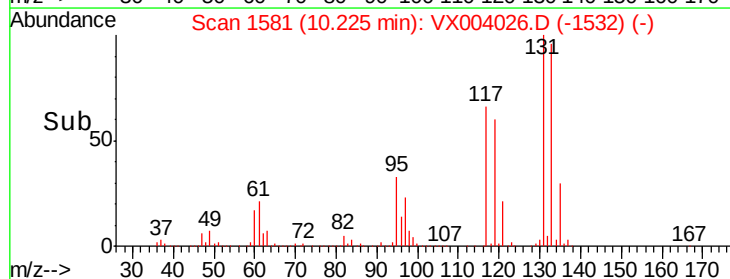
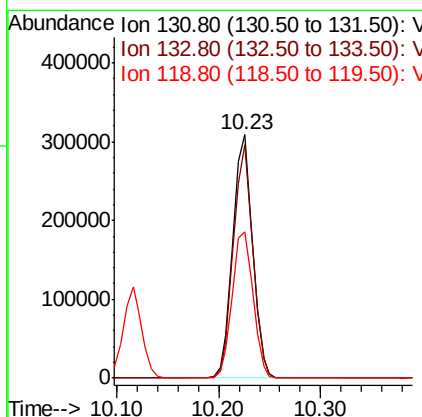
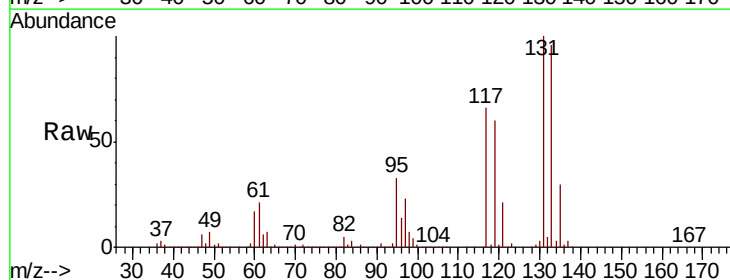
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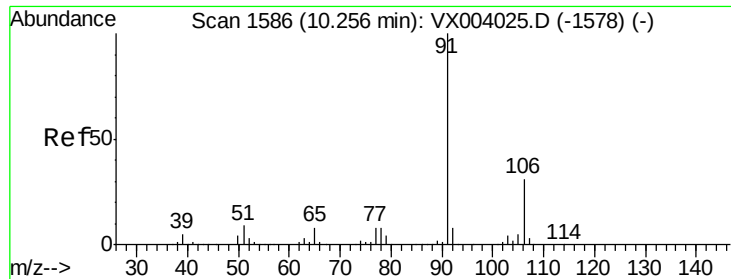
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#66
1,1,1,2-Tetrachloroethane
Concen: 101.03 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion:131 Resp: 410763
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.8
119 63.7 31.6 94.8





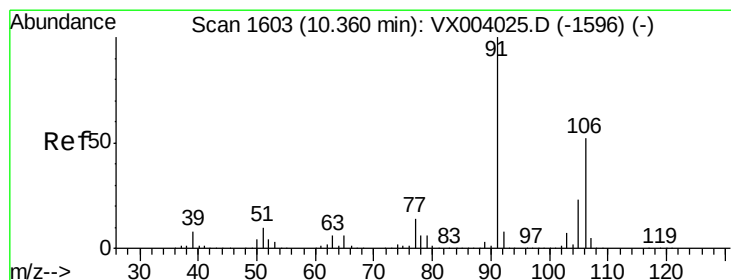
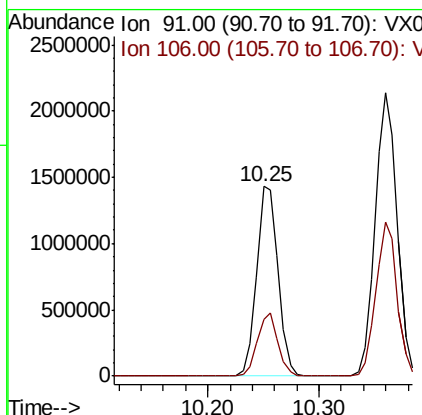
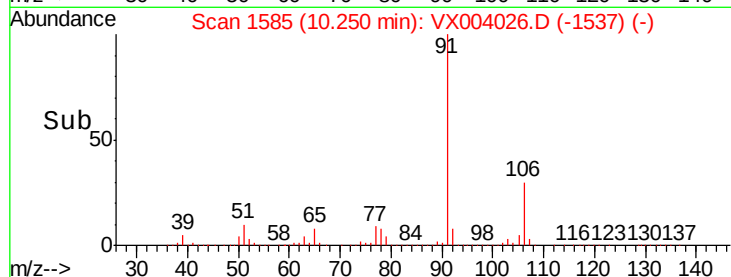
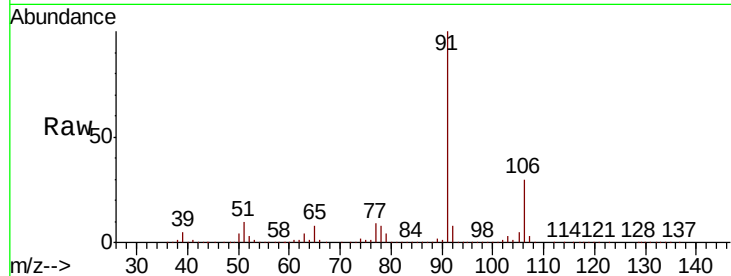
#67
Ethyl Benzene
Concen: 99.43 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1924826
Ion Ratio Lower Upper
91 100
106 30.0 25.9 38.9

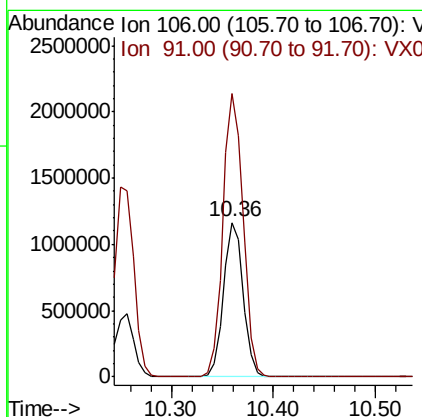
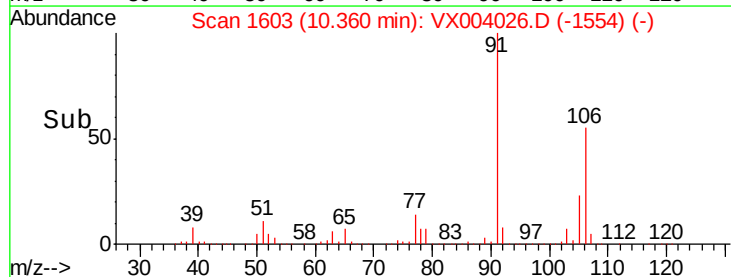
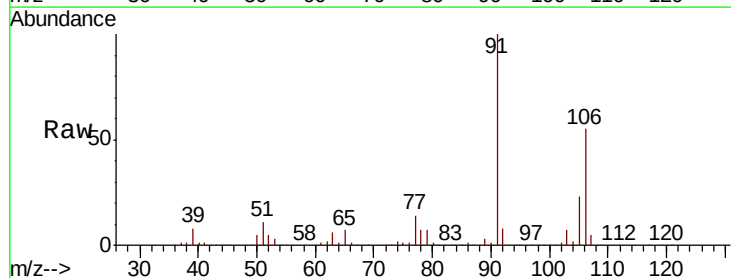
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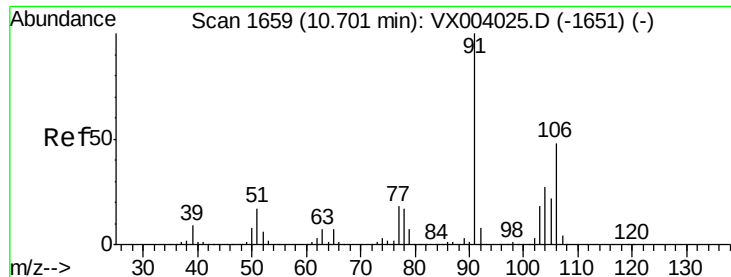
MMDadoda
8/15/2018 4:49:53 PM



#68
m/p-Xylenes
Concen: 205.27 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion: 106 Resp: 1552711
Ion Ratio Lower Upper
106 100
91 189.4 162.3 243.5





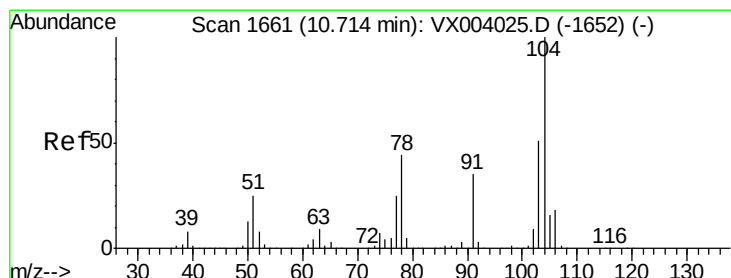
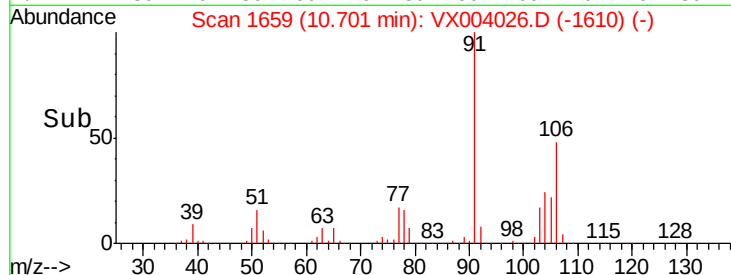
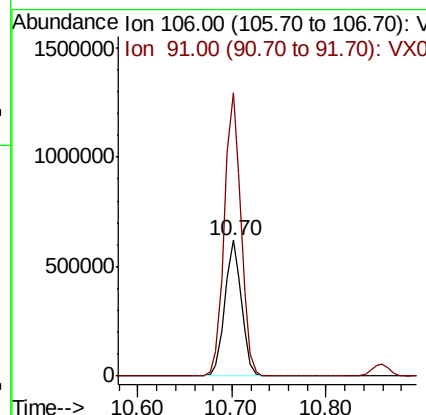
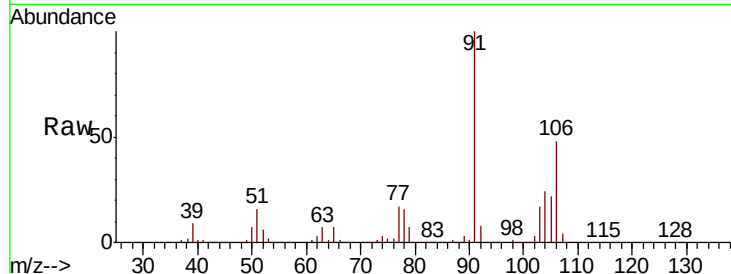
#69
o-Xylene
Concen: 105.66 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	101.9	305.7

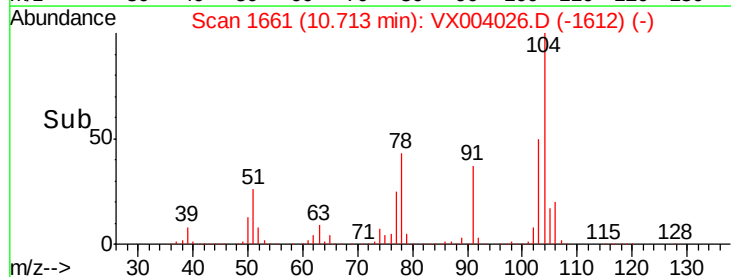
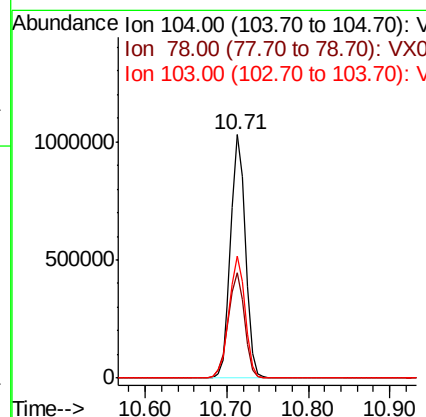
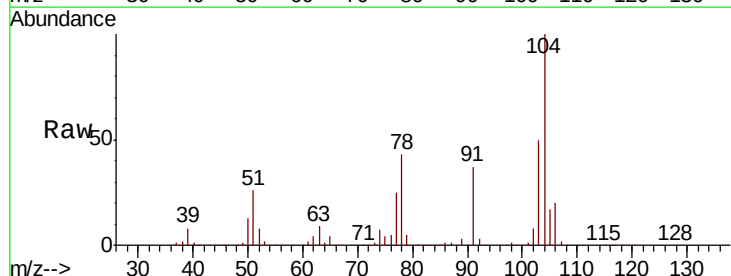
Manual Integrations
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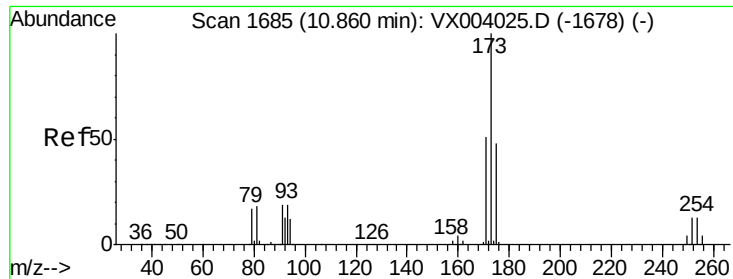
MMDadoda
8/15/2018 4:49:53 PM



#70
Styrene
Concen: 110.86 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.8	59.6
103	54.3	44.3	66.5





#71

Bromoform

Concen: 116.66 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

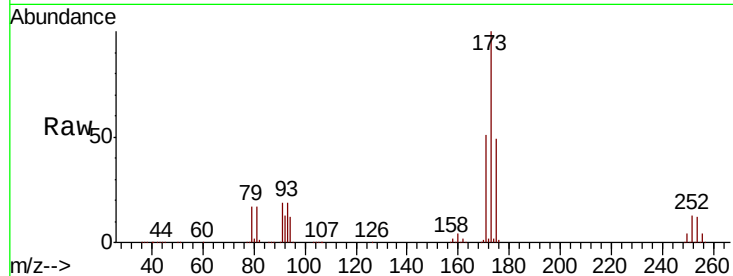
ClientSampleId :

VSTDIC100

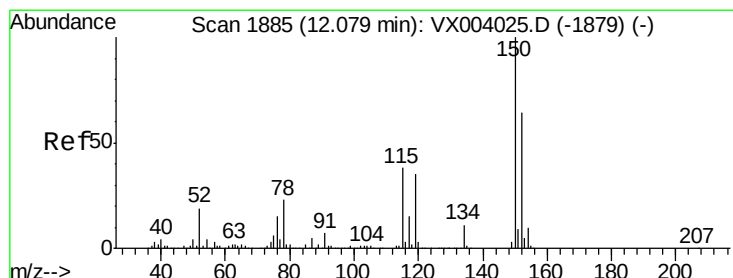
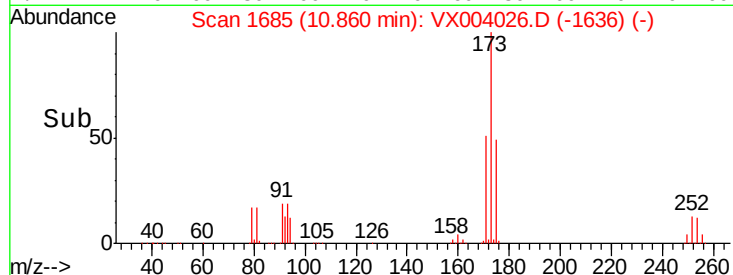
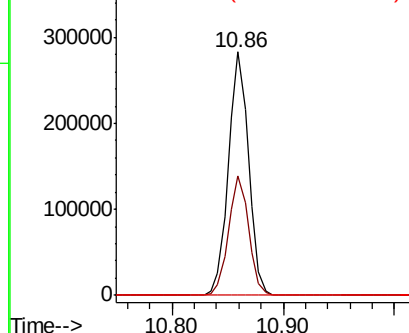
Tot Ion:	173	Resp:	354682
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

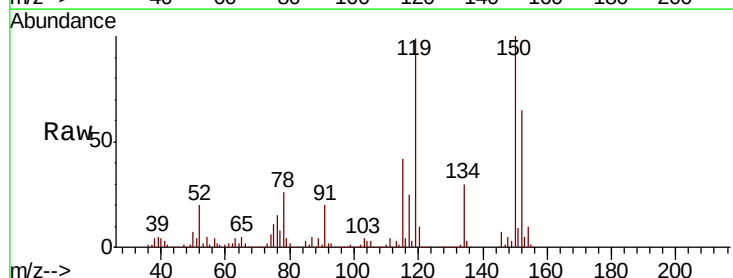
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

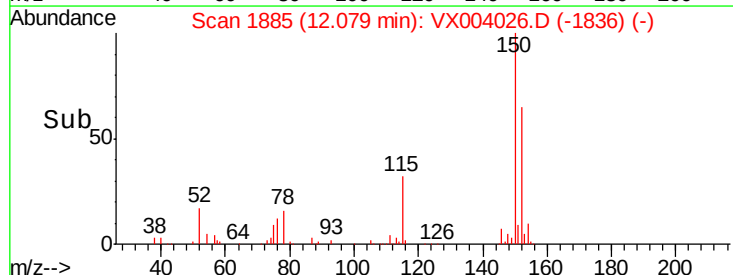
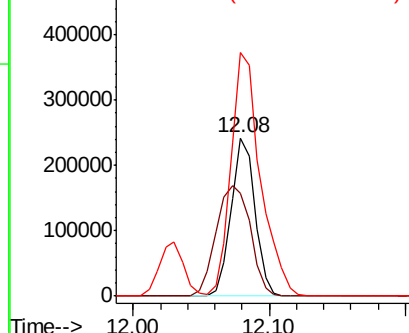
Lab File: VX004026.D

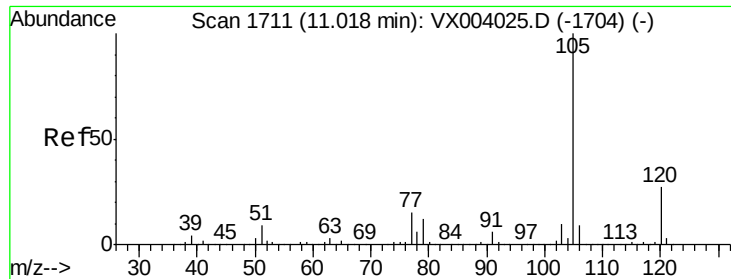
Acq: 14 Aug 2018 12:27

Tgt Ion:	152	Resp:	294679
Ion Ratio	Lower	Upper	
152	100		
115	100.0	39.1	117.3
150	190.7	0.0	349.2



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: 92.62 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2019053

Ion Ratio Lower Upper

105 100

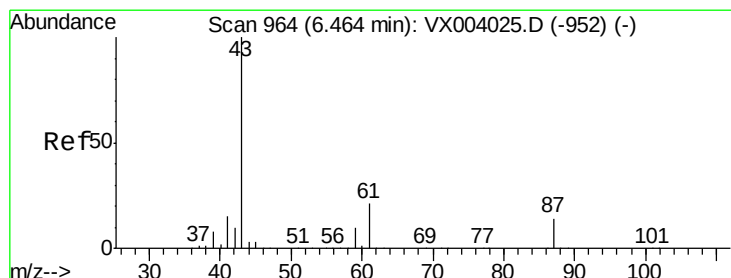
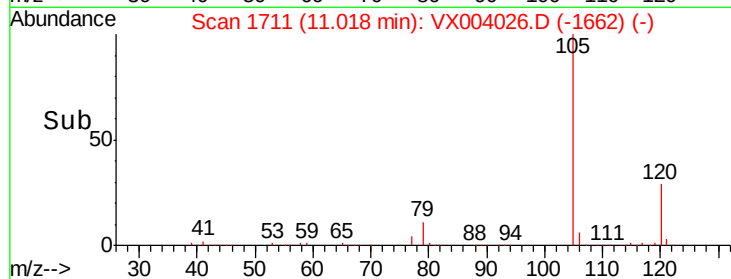
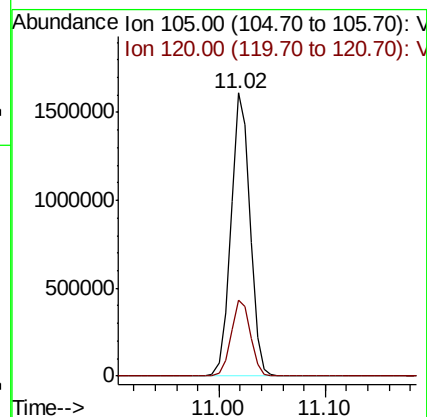
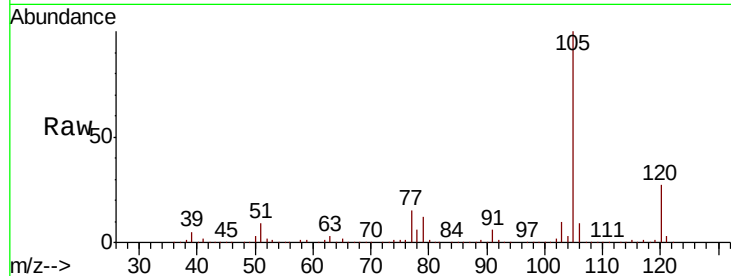
120 27.2 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 79.28 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tgt Ion: 43 Resp: 898786

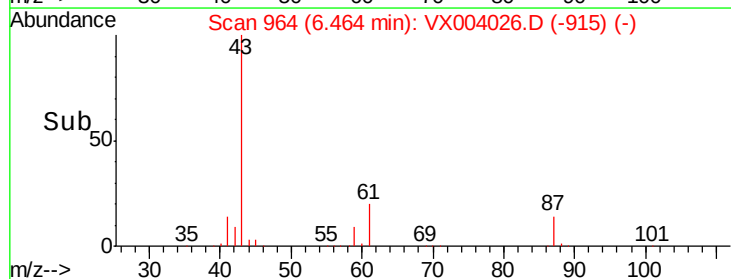
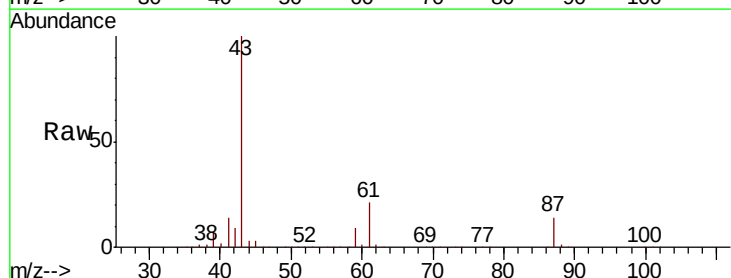
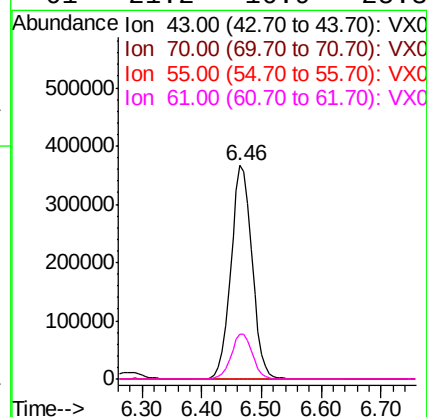
Ion Ratio Lower Upper

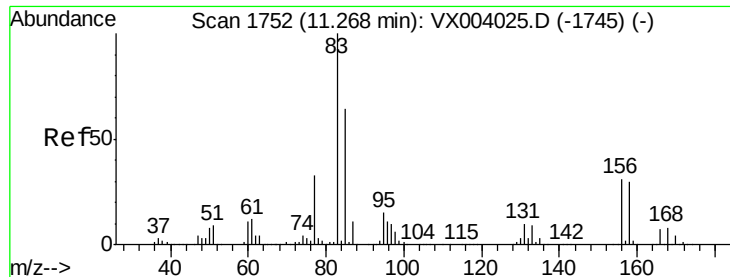
43 100

70 0.0 0.0 0.0#

55 0.0 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 87.13 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

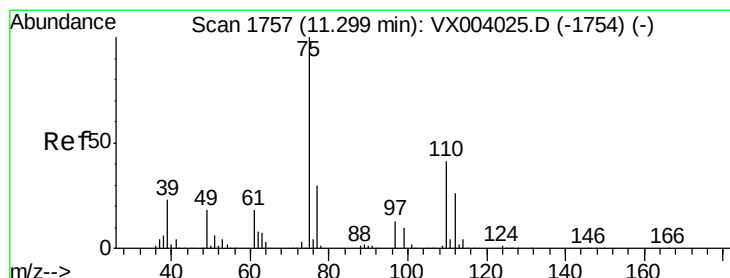
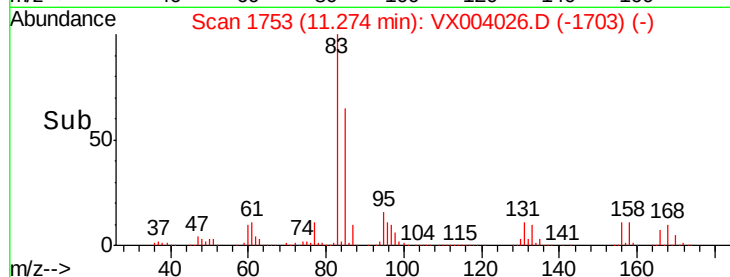
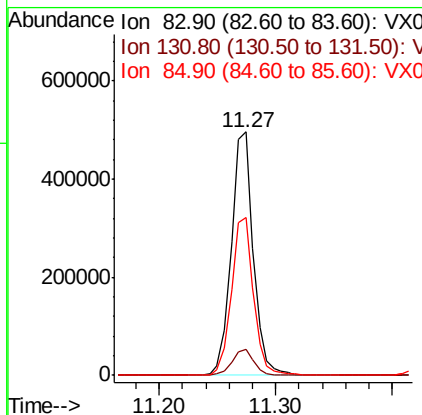
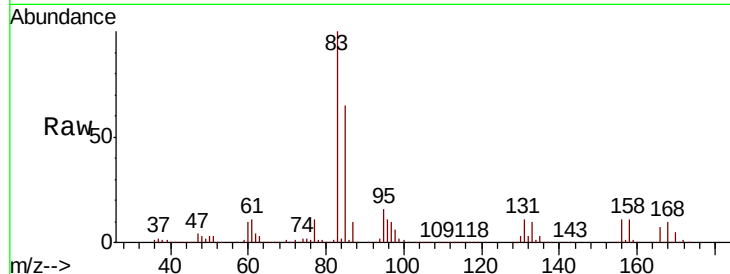
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	650992
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.4	32.2	96.6

Manual Integrations
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8/15/2018 4:49:53 PM



#76

1,2,3-Trichloropropane

Concen: 86.81 ug/l m

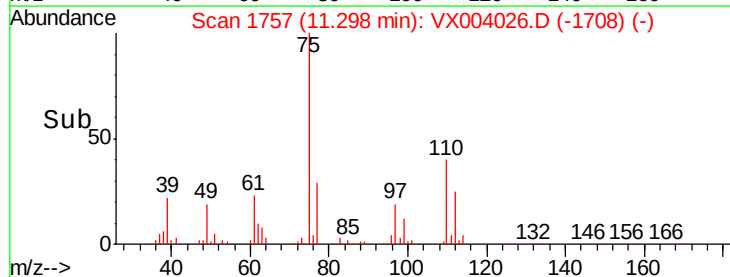
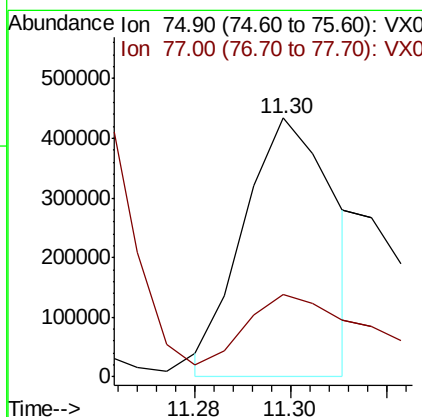
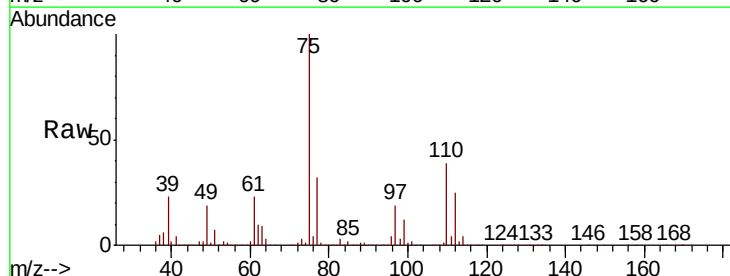
RT: 11.30 min Scan# 1757

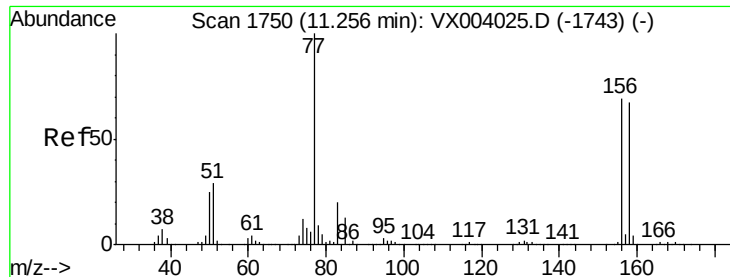
Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Tgt Ion:	75	Resp:	565029
Ion Ratio	Lower	Upper	
75	100		
77	44.5	20.8	62.5





#77

Bromobenzene

Concen: 91.97 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 534824

Ion Ratio Lower Upper

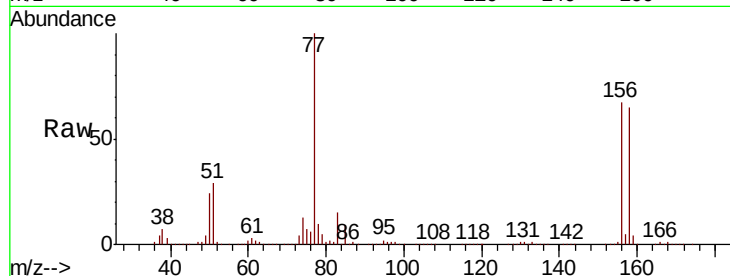
156 100

77 146.8 74.1 222.2

158 97.5 48.6 145.9

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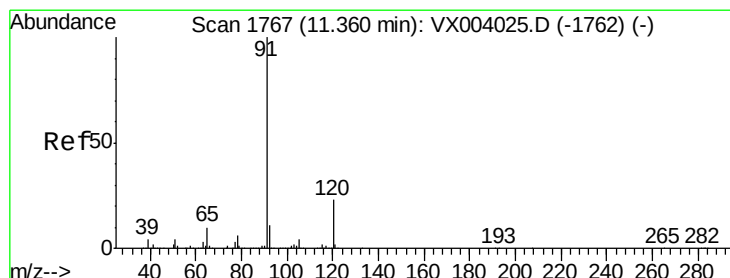
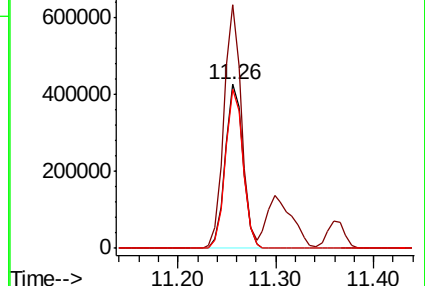
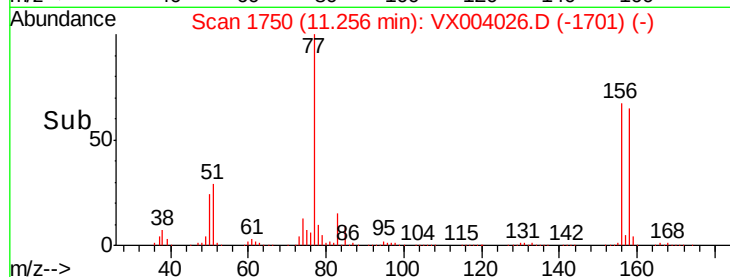
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.32 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004026.D

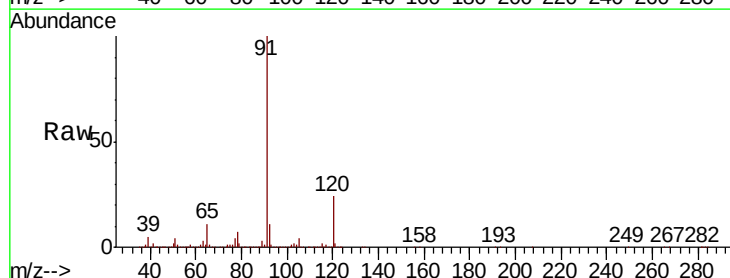
Acq: 14 Aug 2018 12:27

Tgt Ion: 91 Resp: 2308918

Ion Ratio Lower Upper

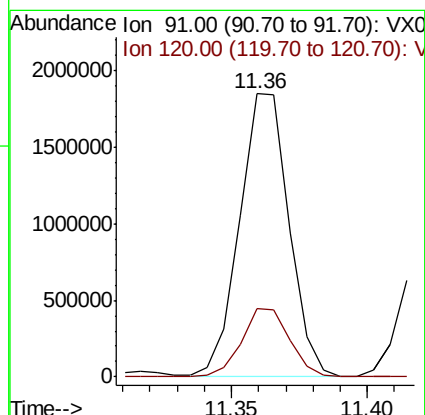
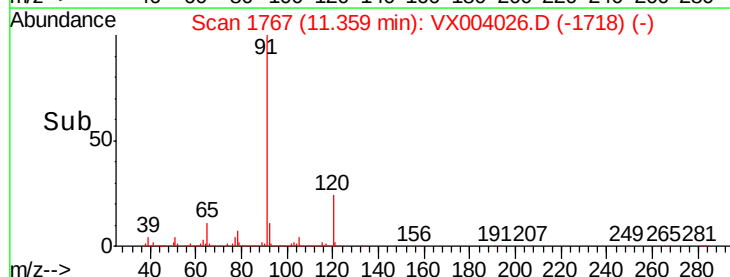
91 100

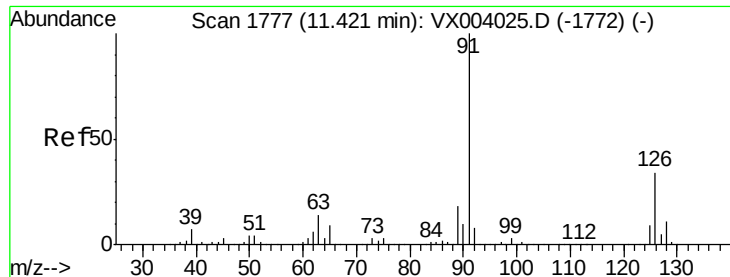
120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 88.69 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 91 Resp: 1323743

Ion Ratio Lower Upper

91 100

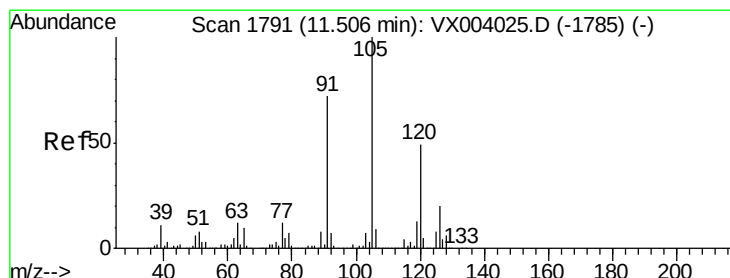
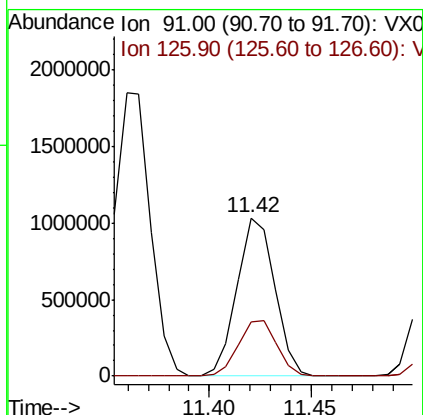
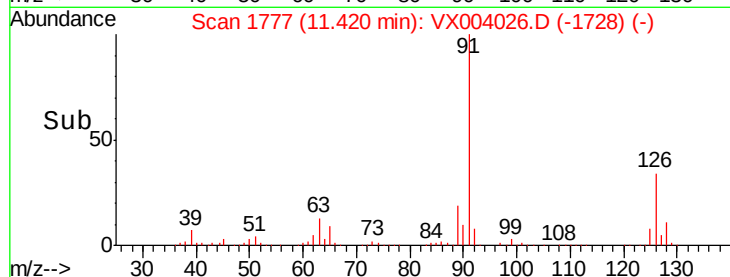
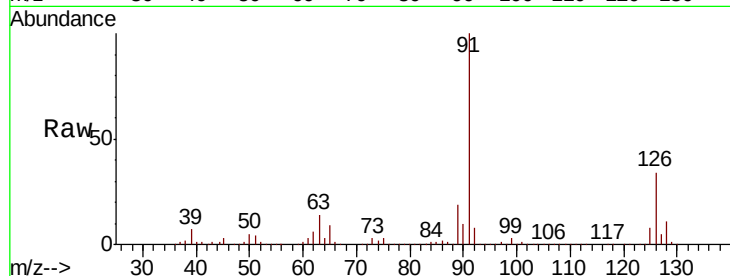
126 35.7 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 95.91 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004026.D

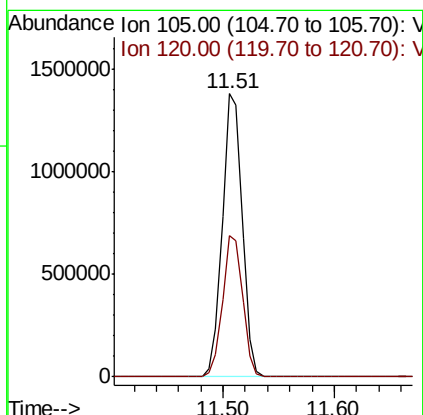
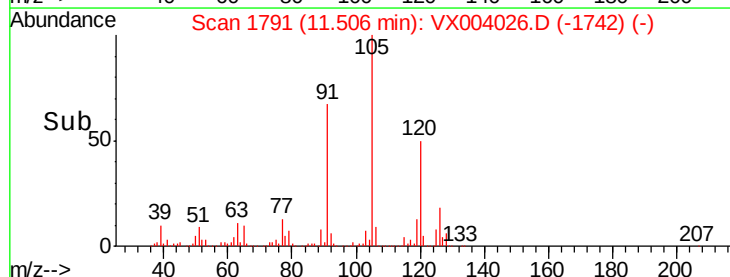
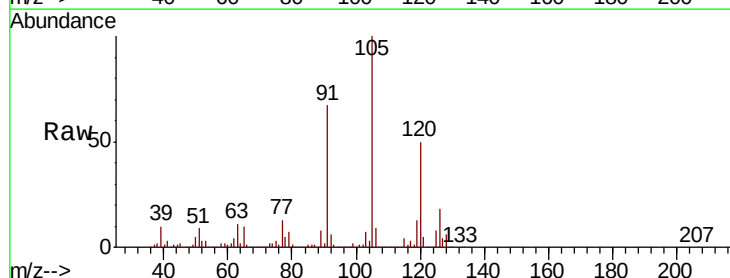
Acq: 14 Aug 2018 12:27

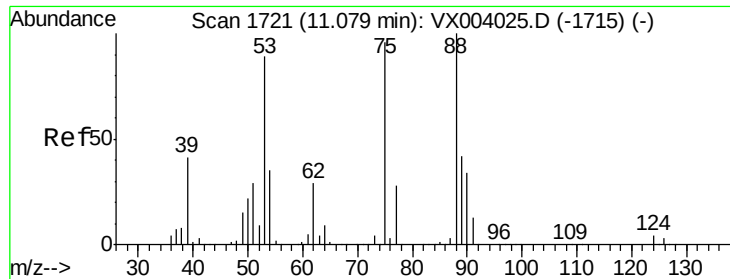
Tgt Ion: 105 Resp: 1704749

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 101.05 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 215803

Ion Ratio Lower Upper

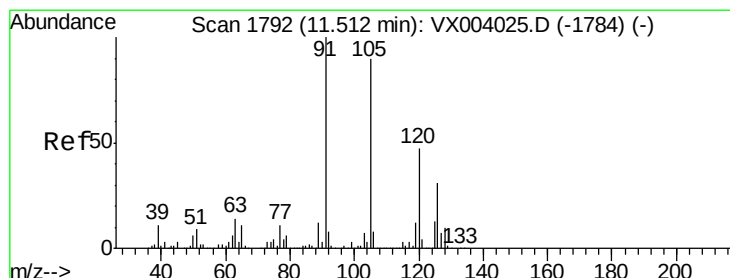
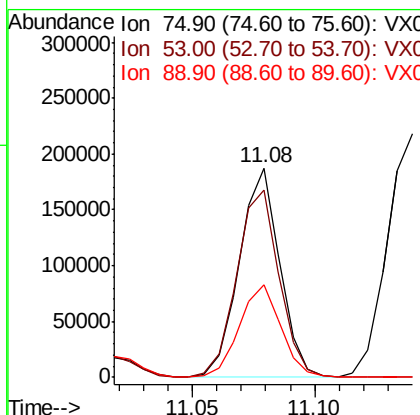
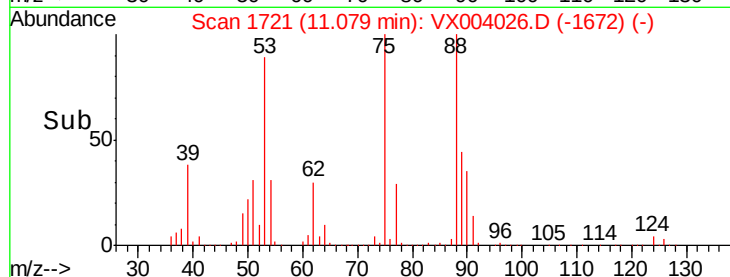
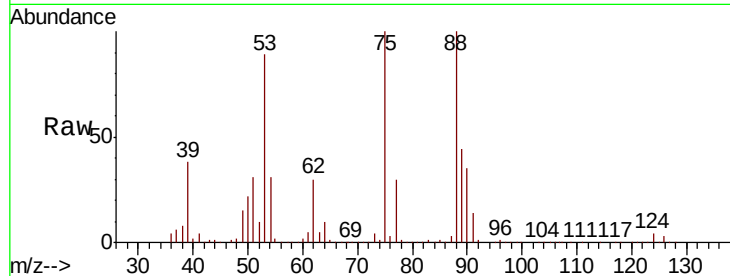
75 100

53 93.7 80.3 120.5

89 45.7 37.8 56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 92.82 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004026.D

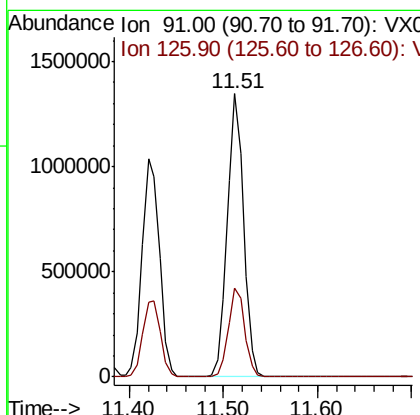
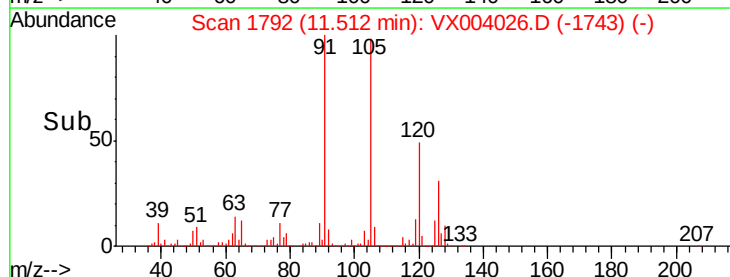
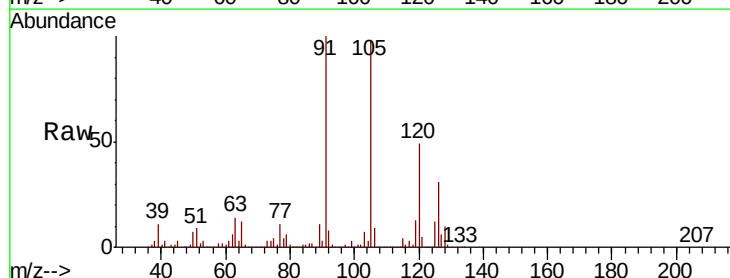
Acq: 14 Aug 2018 12:27

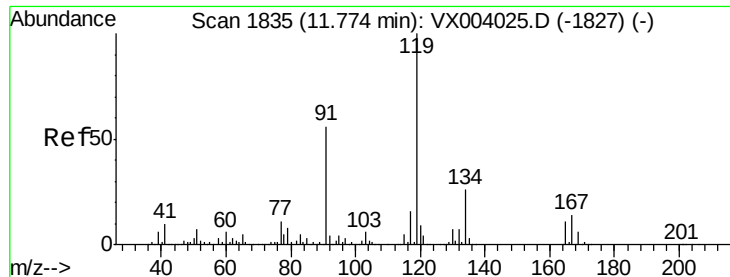
Tgt Ion: 91 Resp: 1623077

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.7





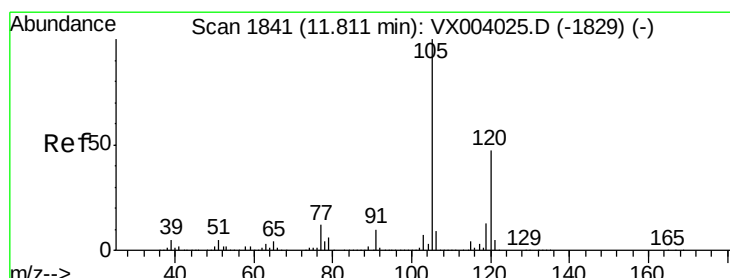
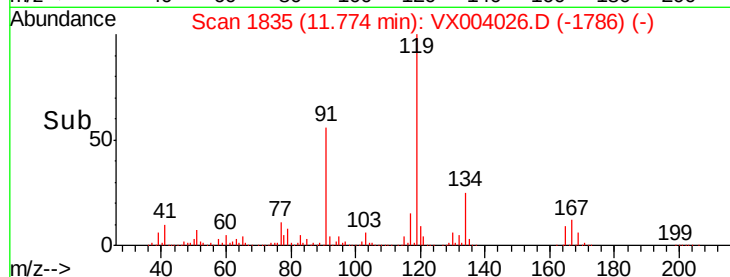
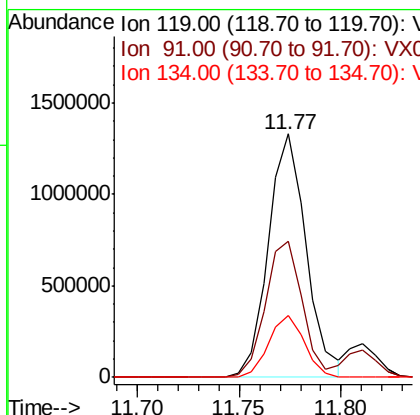
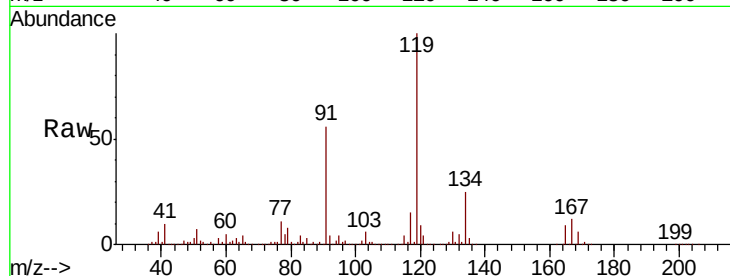
#83
 tert-Butylbenzene
 Concen: 98.47 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1721933
 Ion Ratio Lower Upper
 119 100
 91 54.0 26.9 80.7
 134 24.0 12.0 36.0

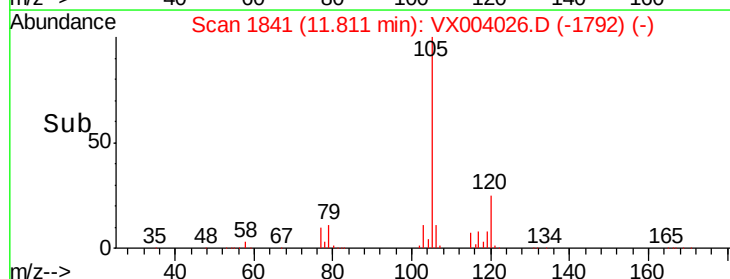
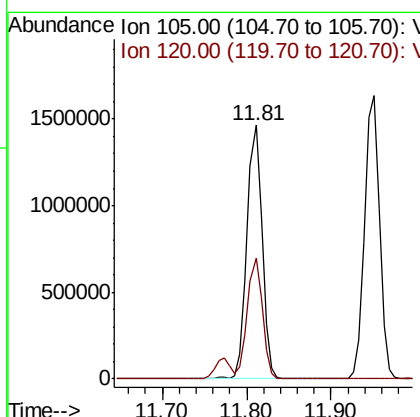
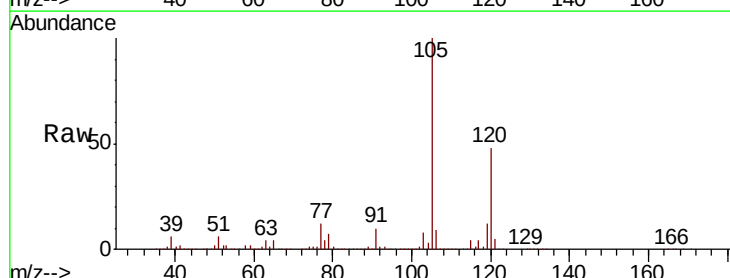
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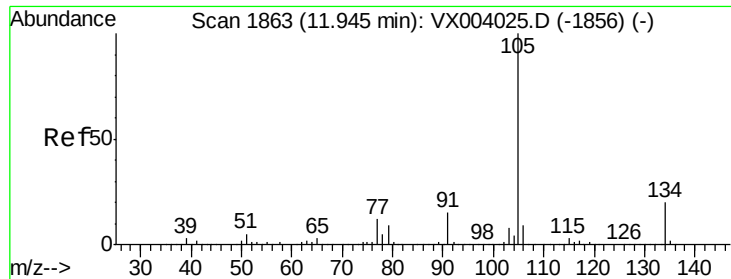
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#84
 1,2,4-Trimethylbenzene
 Concen: 98.05 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion:105 Resp: 1752489
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.1 69.2





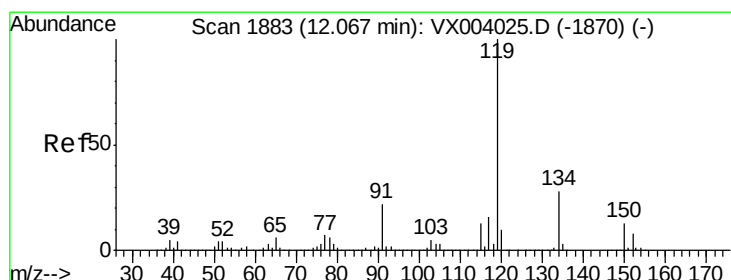
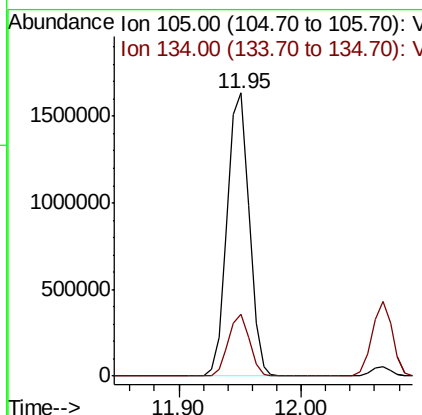
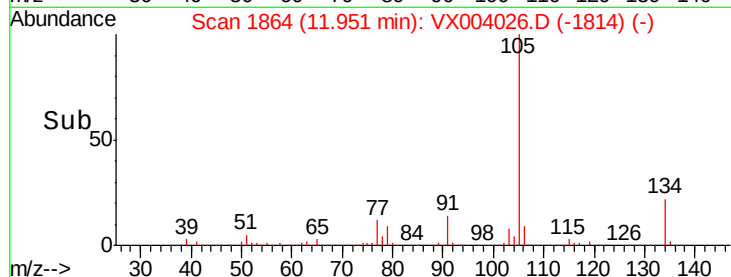
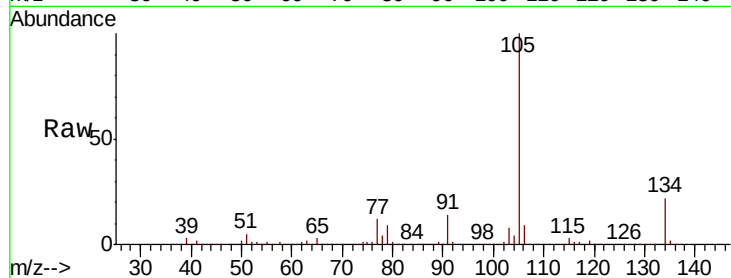
#85
 sec-Butylbenzene
 Concen: 98.30 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 2028662
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.9

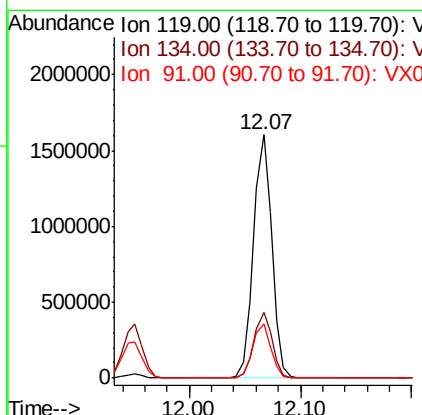
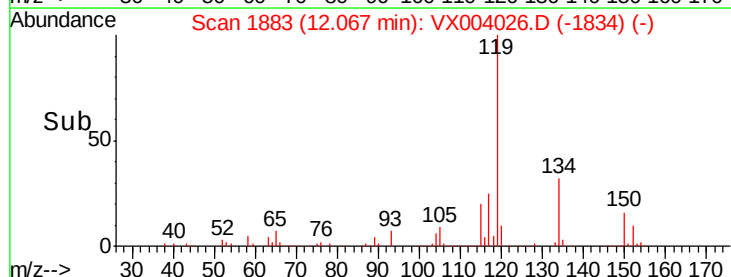
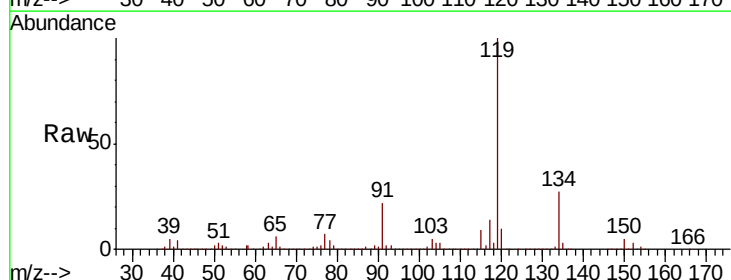
Manual Integrations
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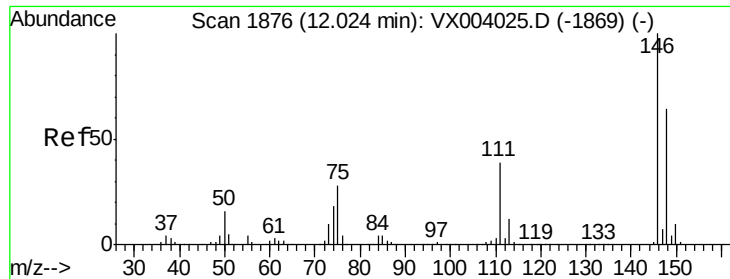
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 99.55 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion:119 Resp: 1843557
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.8
 91 22.0 10.9 32.7





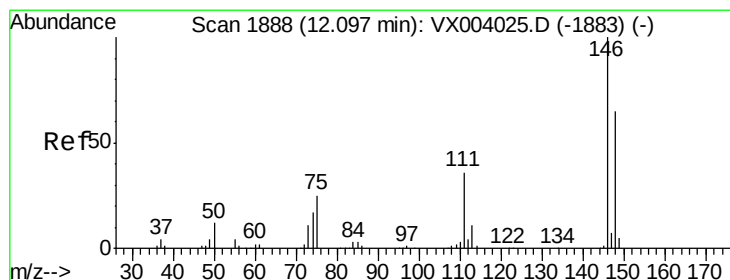
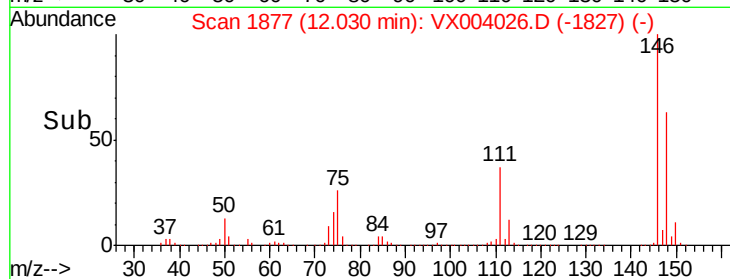
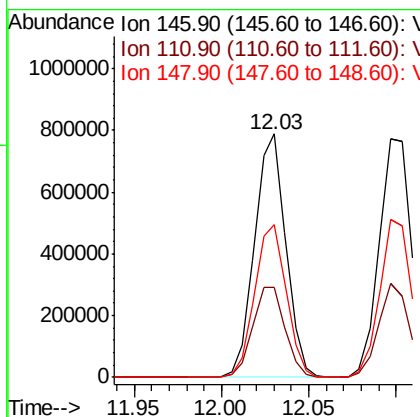
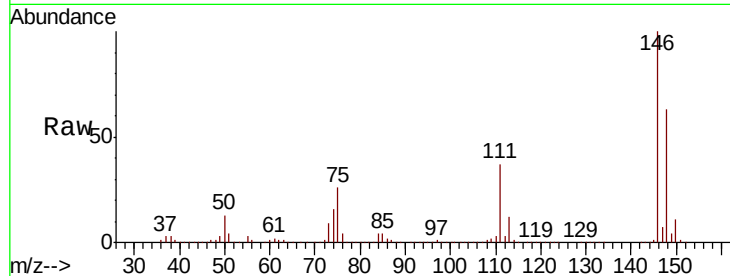
#87
 1,3-Dichlorobenzene
 Concen: 91.29 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	63.6	31.9	95.5

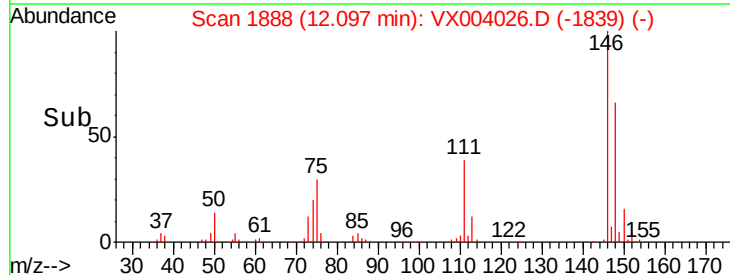
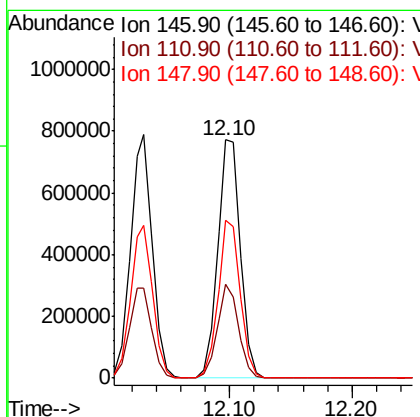
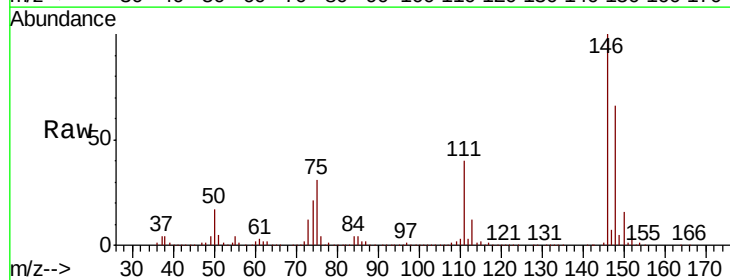
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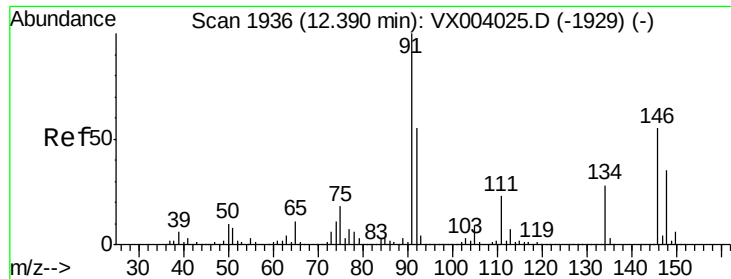
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#88
 1,4-Dichlorobenzene
 Concen: 89.31 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.4	32.3	96.8





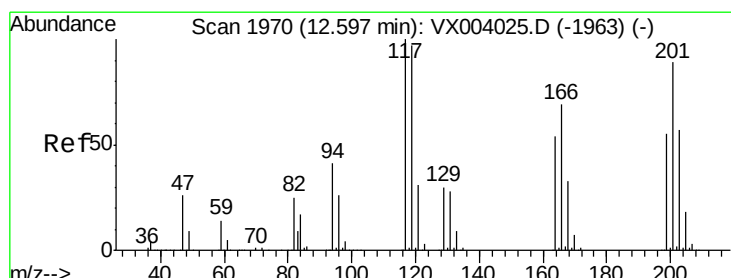
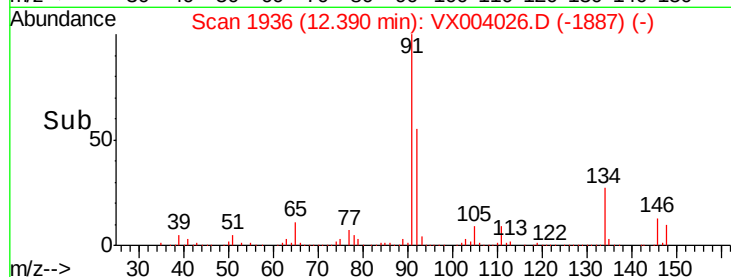
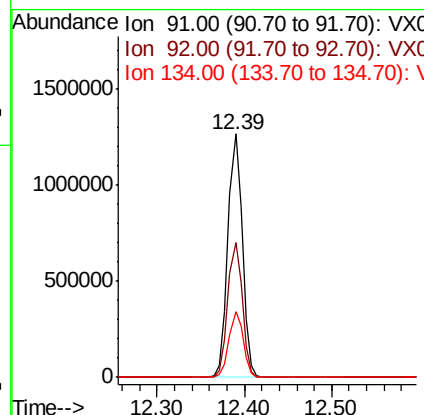
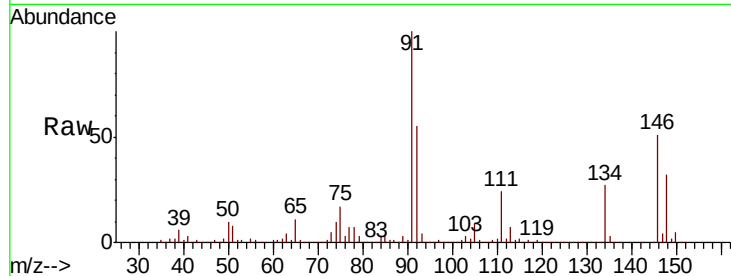
#89
n-Butylbenzene
Concen: 88.30 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1424883
Ion Ratio Lower Upper
91 100
92 55.6 27.1 81.3
134 26.9 13.6 40.7

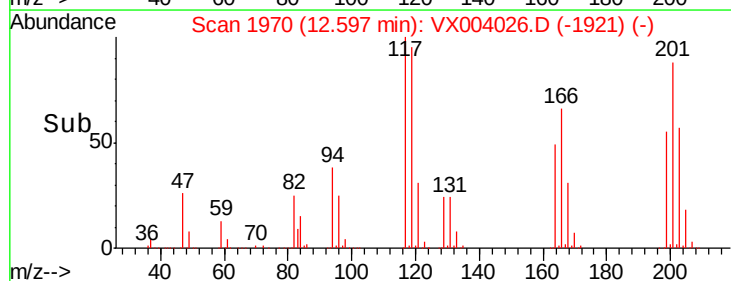
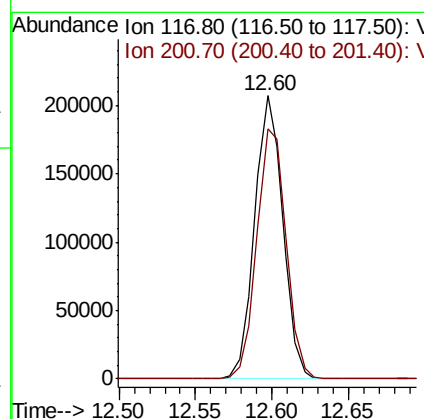
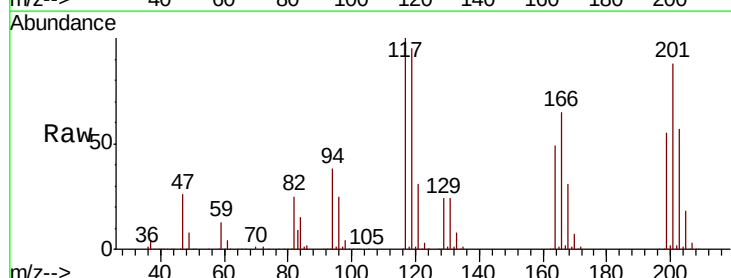
Manual Integrations
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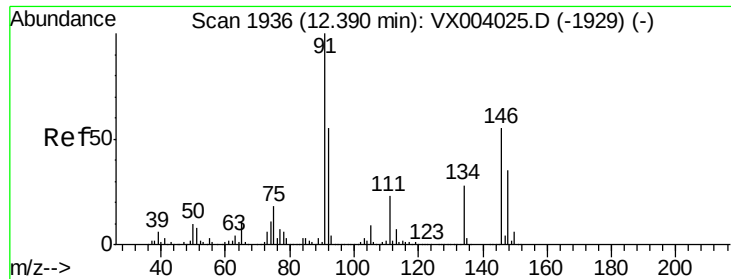
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8/15/2018 4:49:53 PM



#90
Hexachloroethane
Concen: 88.28 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion: 117 Resp: 265430
Ion Ratio Lower Upper
117 100
201 91.9 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 80.14 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 853966

Ion Ratio Lower Upper

146 100

111 41.7 19.7 59.0

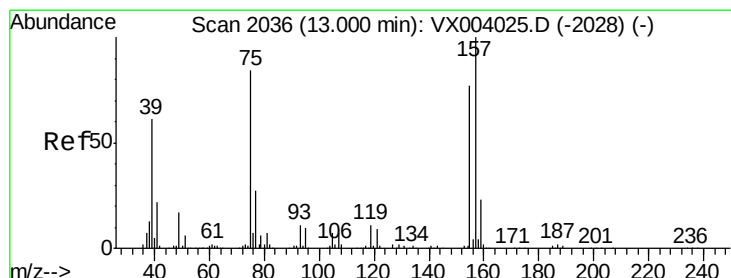
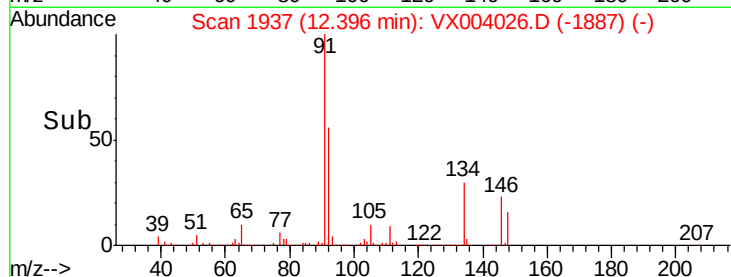
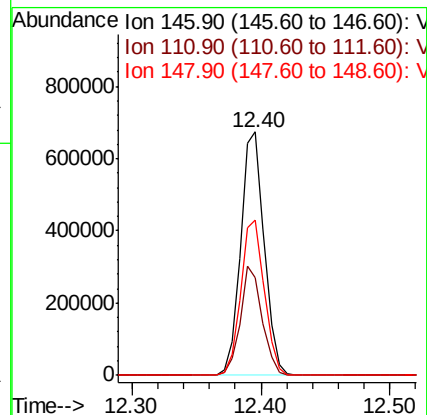
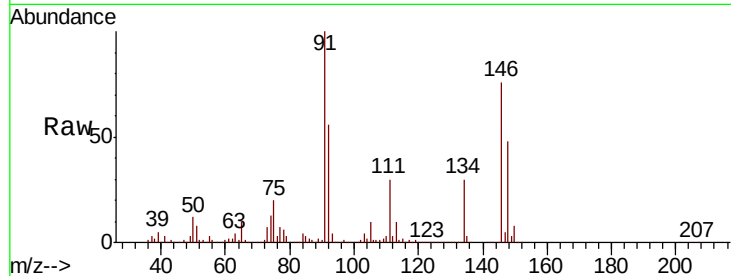
148 64.0 31.9 95.5

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 81.71 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004026.D

Acq: 14 Aug 2018 12:27

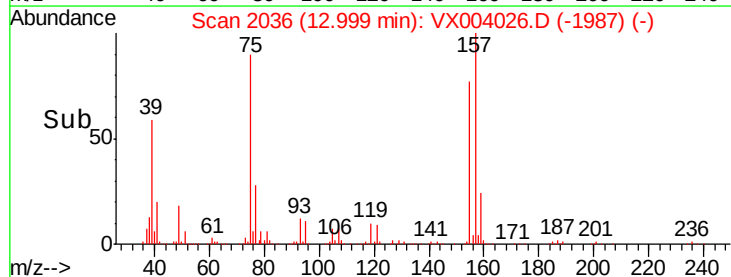
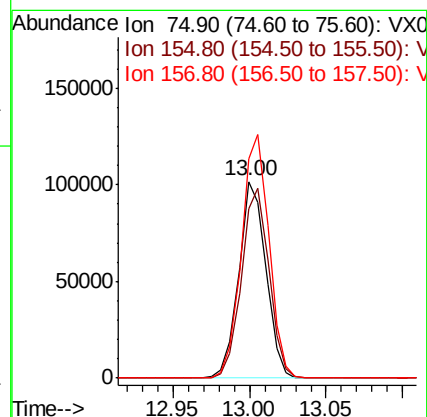
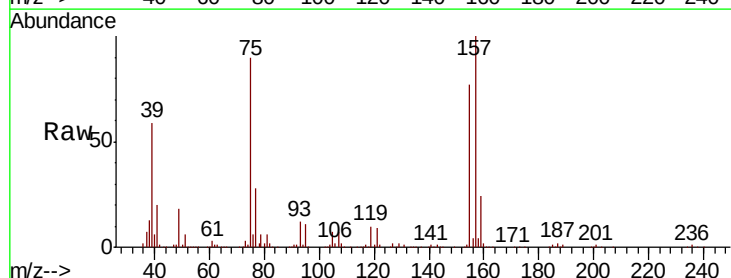
Tgt Ion: 75 Resp: 125063

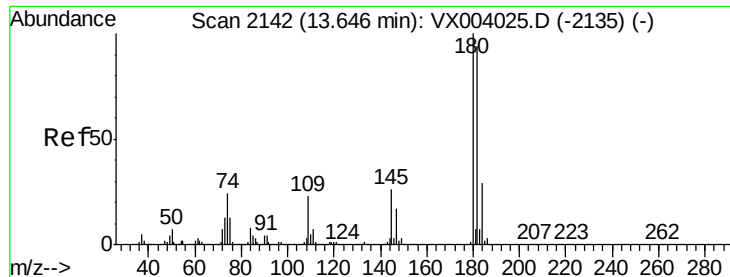
Ion Ratio Lower Upper

75 100

155 97.5 48.7 146.1

157 125.2 62.6 187.8





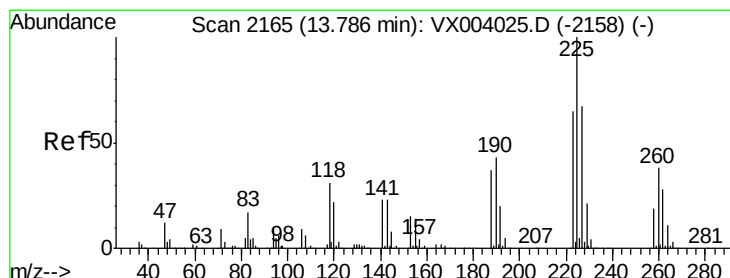
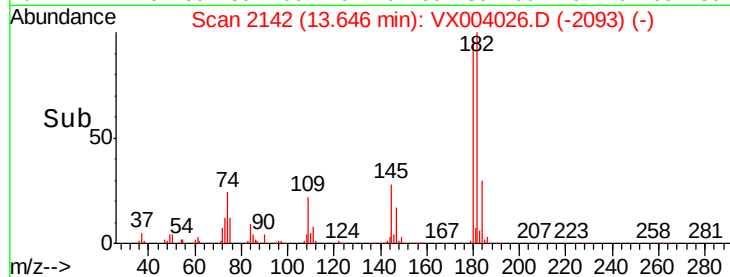
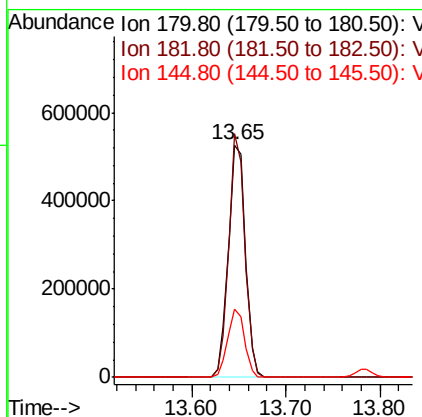
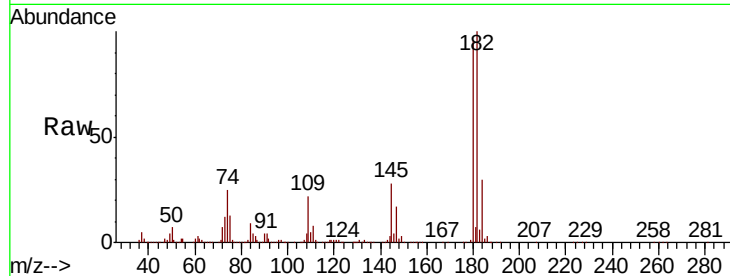
#93
 1,2,4-Trichlorobenzene
 Concen: 86.71 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	664495		
182	98.5	47.7	143.1	
145	28.9	13.9	41.6	

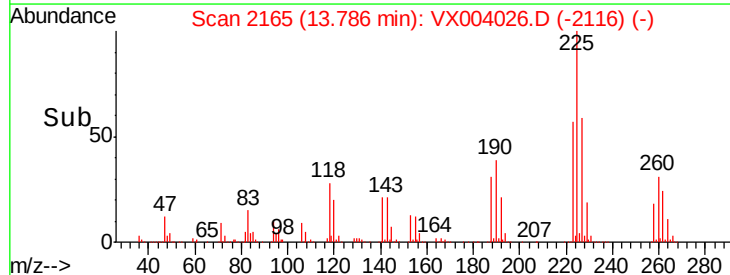
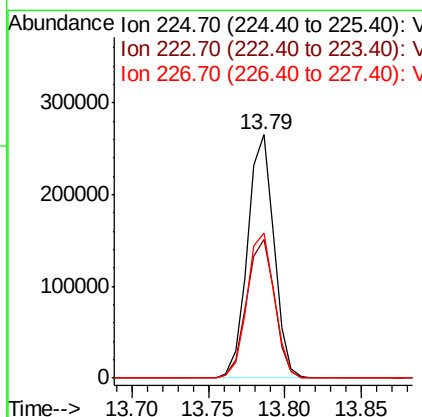
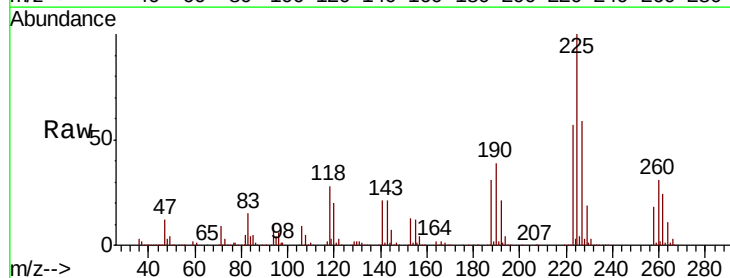
Manual Integrations
 APPROVED

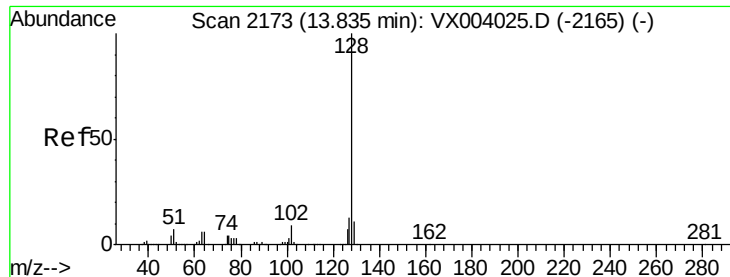
MMDadoda
 8/15/2018 4:49:53 PM



#94
 Hexachlorobutadiene
 Concen: 88.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004026.D
 Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	317950		
223	60.2	31.4	94.0	
227	61.8	32.1	96.5	





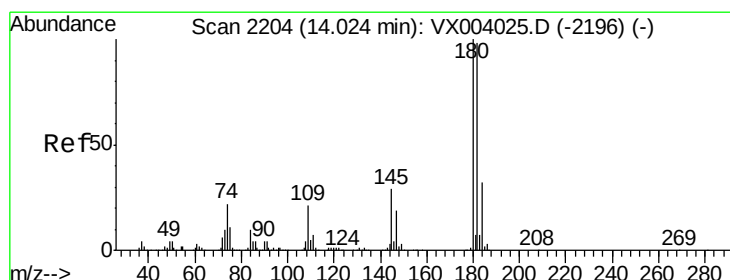
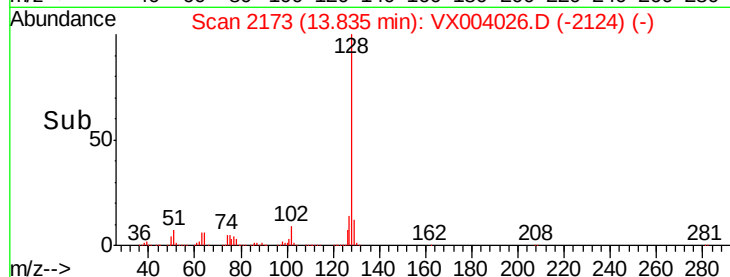
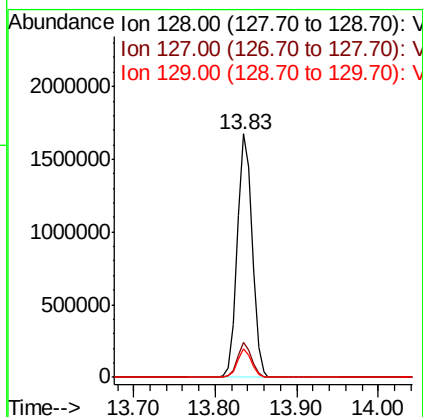
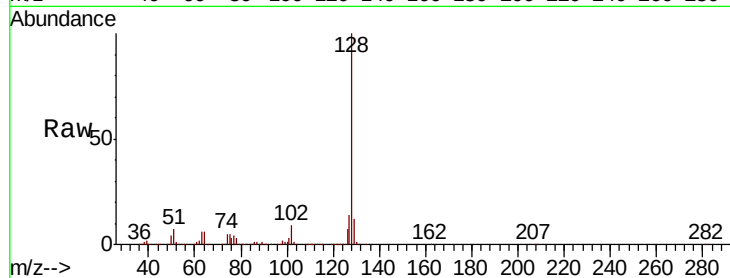
#95
Naphthalene
Concen: 94.03 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/15/2018 4:49:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 95.85 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004026.D
Acq: 14 Aug 2018 12:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.4
145	29.8	14.9	44.7

