

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004157.D
 Acq On : 20 Aug 2018 17:08
 Operator : JC/MD
 Sample : VX0820WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:16:54 AM

Quant Time: Aug 21 02:01:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	443701	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	428945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	210309	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	5.50	113	176317	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
50) Toluene-d8	8.71	98	674476	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	244116	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	54600	18.16	ug/l	99
3) Chloromethane	1.32	50	69251	18.77	ug/l	98
4) Vinyl Chloride	1.40	62	73040	18.30	ug/l	100
5) Bromomethane	1.64	94	41057	20.19	ug/l	98
6) Chloroethane	1.72	64	51810	18.62	ug/l	97
7) Trichlorofluoromethane	1.93	101	103253	18.44	ug/l	98
8) Diethyl Ether	2.19	74	47180	19.30	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64869	18.57	ug/l	99
10) Methyl Iodide	2.51	142	54960	18.27	ug/l	99
11) Tert butyl alcohol	3.07	59	84645	96.60	ug/l	100
12) 1,1-Dichloroethene	2.37	96	61274	18.86	ug/l	94
13) Acrolein	2.29	56	62227	111.04	ug/l	99
14) Allyl chloride	2.73	41	115032	18.61	ug/l	99
15) Acrylonitrile	3.15	53	207594	95.02	ug/l	100
16) Acetone	2.45	43	211684	93.57	ug/l	99
17) Carbon Disulfide	2.57	76	158425	17.19	ug/l	99
18) Methyl Acetate	2.78	43	104306	20.75	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	215431	18.82	ug/l	99
20) Methylene Chloride	2.86	84	73507	19.51	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	67583	18.32	ug/l	99
22) Diisopropyl ether	3.87	45	217696	17.97	ug/l	99
23) Vinyl Acetate	3.82	43	903772	90.84	ug/l	100
24) 1,1-Dichloroethane	3.69	63	124223	18.11	ug/l	100
25) 2-Butanone	4.70	43	324082	88.04	ug/l	97
26) 2,2-Dichloropropane	4.58	77	93934	17.22	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	76506	18.44	ug/l	97
28) Bromochloromethane	5.02	49	63972	20.32	ug/l	99
29) Tetrahydrofuran	5.16	42	163265	86.81	ug/l	100
30) Chloroform	5.21	83	128995	19.26	ug/l	100
31) Cyclohexane	5.57	56	103404	17.19	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	105190	18.80	ug/l	99
36) 1,1-Dichloropropene	5.80	75	93677	18.55	ug/l	99
37) Ethyl Acetate	4.86	43	98470	17.91	ug/l	100
38) Carbon Tetrachloride	5.78	117	91500	18.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	102240	17.85	ug/l	98
40) Benzene	6.14	78	289659	19.11	ug/l	99
41) Methacrylonitrile	5.06	41	54212	17.61	ug/l	99
42) 1,2-Dichloroethane	6.20	62	101312	19.09	ug/l	100
43) Isopropyl Acetate	6.46	43	146274	18.05	ug/l	100
44) Trichloroethene	7.21	130	76644	18.62	ug/l	92
45) 1,2-Dichloropropane	7.52	63	72535	18.69	ug/l	99
46) Dibromomethane	7.67	93	48522	19.13	ug/l	99
47) Bromodichloromethane	7.90	83	90943	18.93	ug/l	100
48) Methyl methacrylate	7.78	41	76973	18.87	ug/l	98
49) 1,4-Dioxane	7.76	88	34154	371.84	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	648881	97.65	ug/l	99
52) Toluene	8.79	92	184610	19.25	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	97612	18.81	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	110276	19.19	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	75753	19.13	ug/l	99
56) Ethyl methacrylate	9.18	69	100875	18.73	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125838	19.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	267635	97.61	ug/l	99
59) 2-Hexanone	9.50	43	485973	97.17	ug/l	99
60) Dibromochloromethane	9.59	129	72153	18.94	ug/l	100
61) 1,2-Dibromoethane	9.67	107	77007	19.08	ug/l	100
64) Tetrachloroethene	9.34	164	72278	17.78	ug/l	96
65) Chlorobenzene	10.14	112	209440	18.90	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	73102	19.34	ug/l	99
67) Ethyl Benzene	10.25	91	335284	19.11	ug/l	98
68) m/p-Xylenes	10.36	106	269434	39.21	ug/l	98
69) o-Xylene	10.70	106	125056	19.05	ug/l	94
70) Styrene	10.71	104	214019	19.37	ug/l	98
71) Bromoform	10.86	173	53435	17.83	ug/l #	98
73) Isopropylbenzene	11.02	105	341553	19.74	ug/l	96
74) N-amyl acetate	6.46	43	146274	17.97	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	116789	19.33	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	100468m	19.59	ug/l	
77) Bromobenzene	11.26	156	92603	19.41	ug/l	99
78) n-propylbenzene	11.36	91	382896	19.77	ug/l	99
79) 2-Chlorotoluene	11.42	91	224245	19.00	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	280069	19.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28265	17.06	ug/l	95
82) 4-Chlorotoluene	11.51	91	270477	19.39	ug/l	98
83) tert-Butylbenzene	11.77	119	280880	19.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	299953	20.44	ug/l	99
85) sec-Butylbenzene	11.94	105	335985	20.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	303276	20.04	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	173663	19.09	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	176966	18.90	ug/l	99
89) n-Butylbenzene	12.39	91	241696	20.26	ug/l	99
90) Hexachloroethane	12.60	117	44218	19.52	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	171971	20.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21207	19.97	ug/l	99

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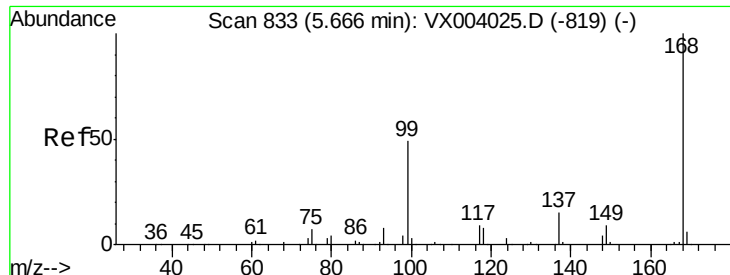
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115513	20.60	ug/l	98
94) Hexachlorobutadiene	13.79	225	51901	18.46	ug/l	98
95) Naphthalene	13.83	128	334933	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	114552	18.73	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion:168 Resp: 308829

Ion Ratio Lower Upper

168 100

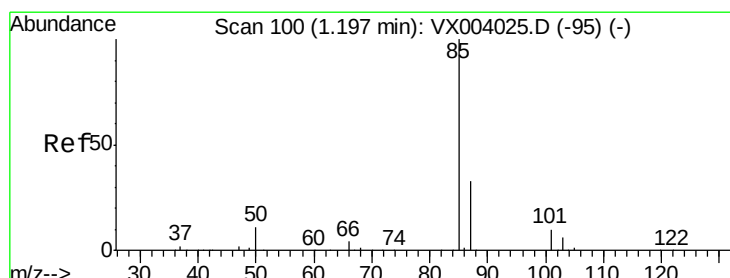
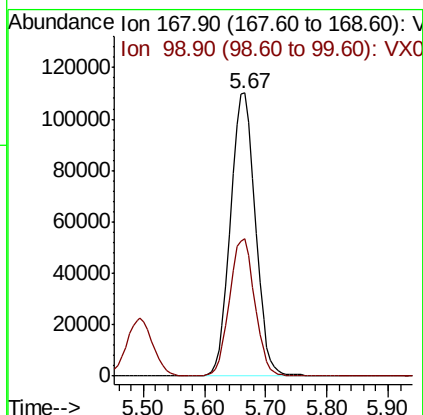
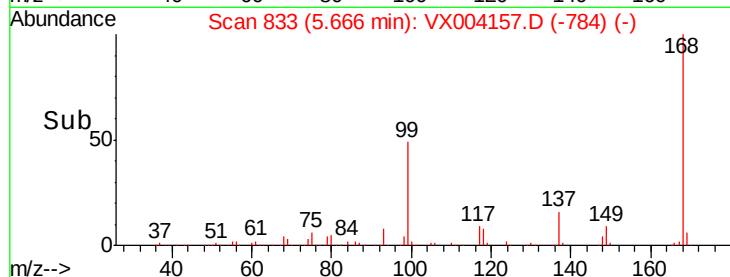
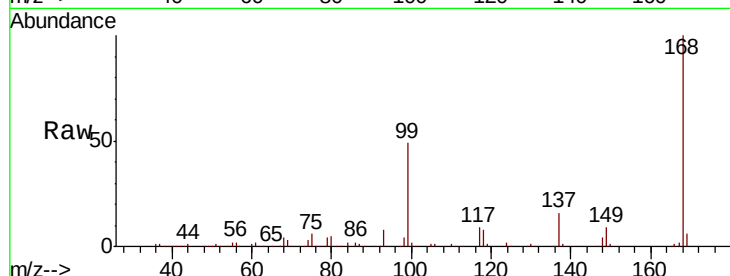
99 48.6 40.1 60.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.16 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004157.D

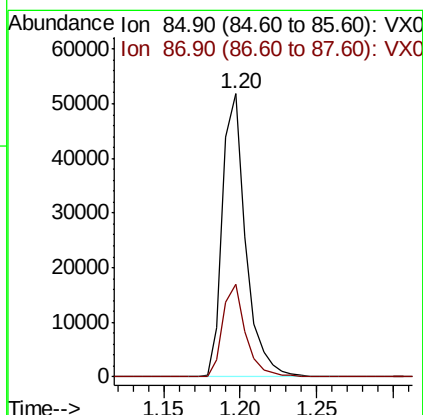
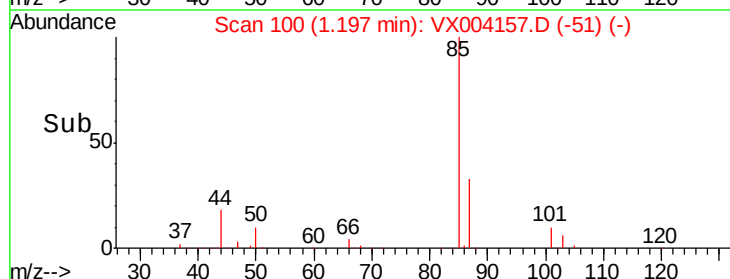
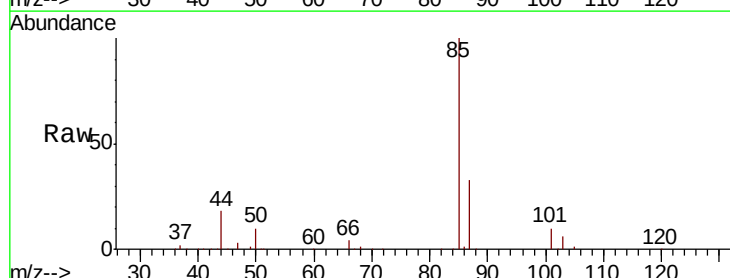
Acq: 20 Aug 2018 17:08

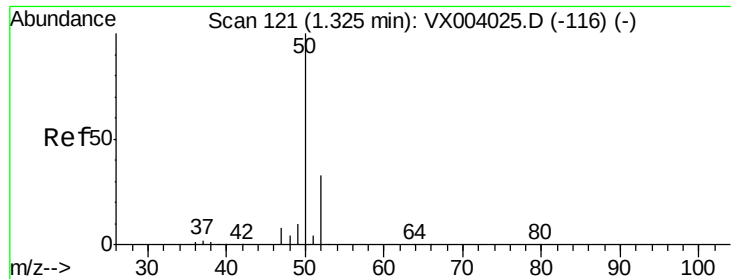
Tgt Ion: 85 Resp: 54600

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0





#3

Chloromethane

Concen: 18.77 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 50 Resp: 69251

Ion Ratio Lower Upper

50 100

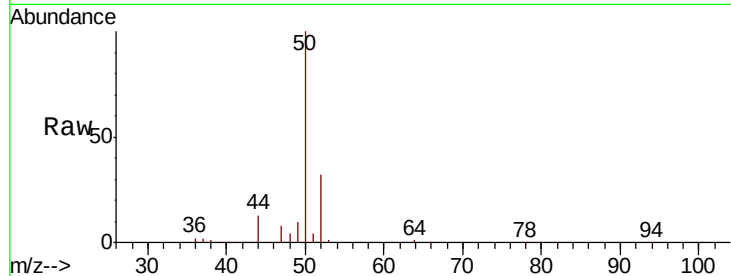
52 31.9 26.6 39.8

Manual Integrations

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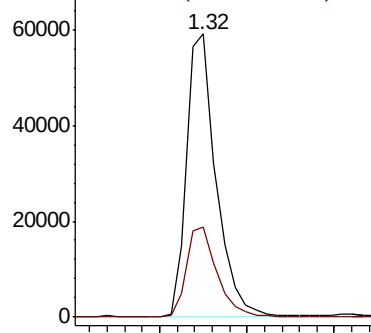
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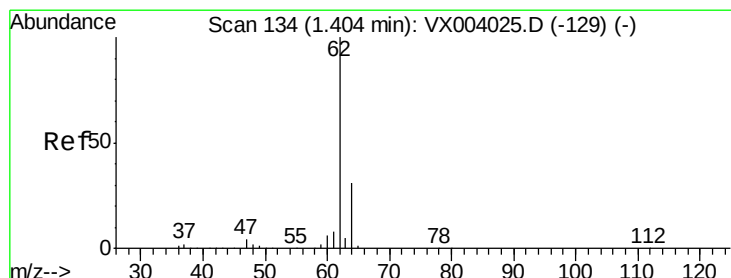
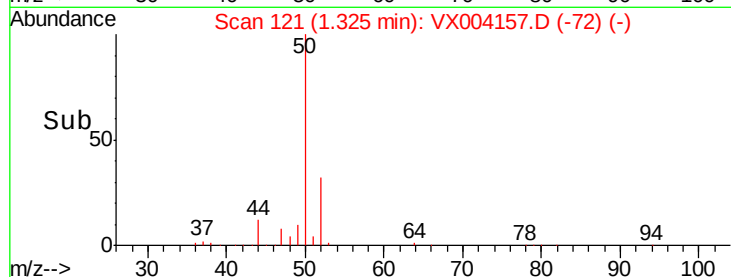


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 18.30 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004157.D

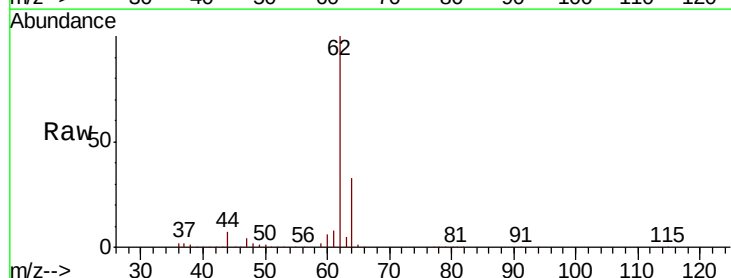
Acq: 20 Aug 2018 17:08

Tgt Ion: 62 Resp: 73040

Ion Ratio Lower Upper

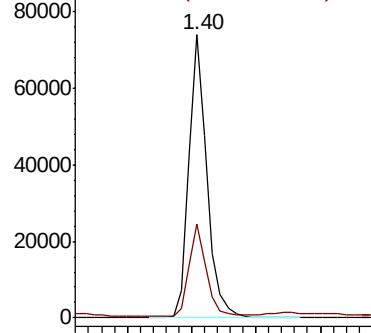
62 100

64 32.6 26.0 39.0

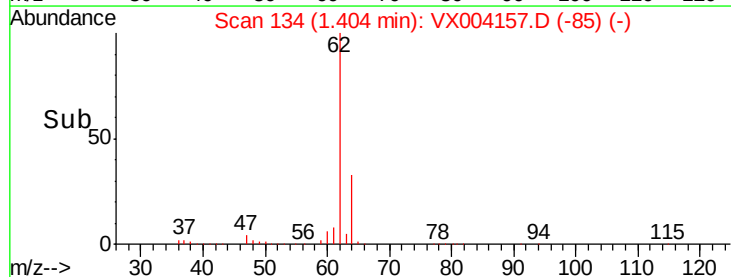


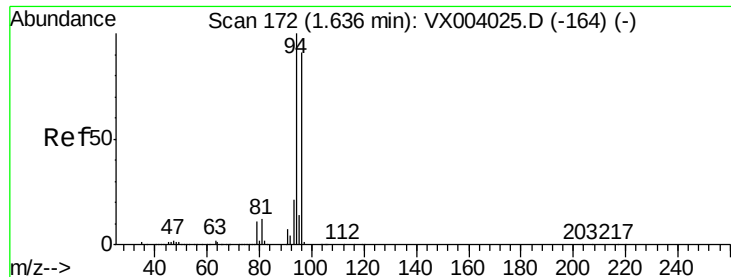
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 20.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 94 Resp: 41057

Ion Ratio Lower Upper

94 100

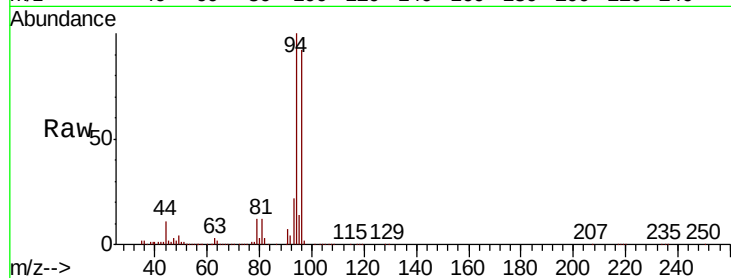
96 92.5 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

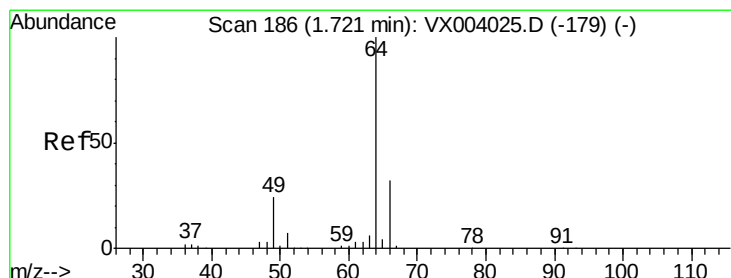
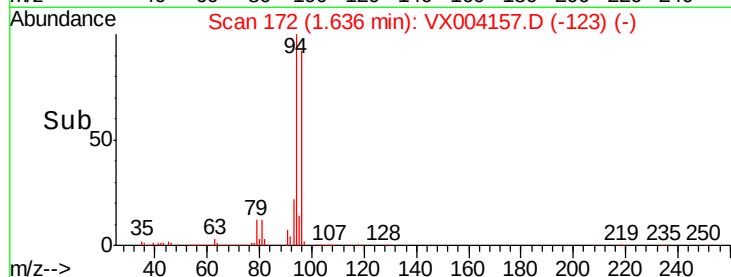
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 18.62 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX004157.D

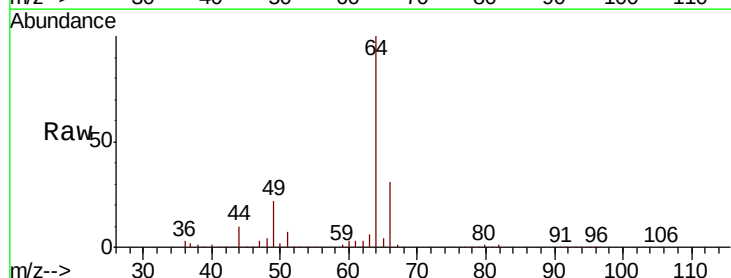
Acq: 20 Aug 2018 17:08

Tgt Ion: 64 Resp: 51810

Ion Ratio Lower Upper

64 100

66 31.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

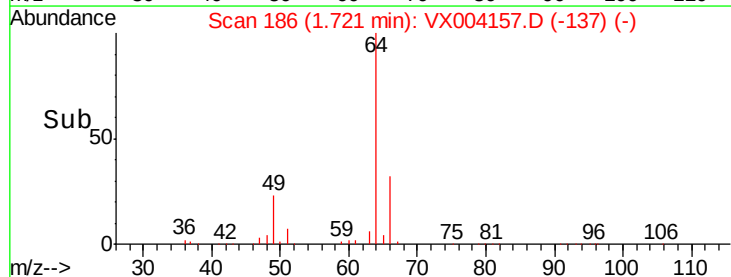
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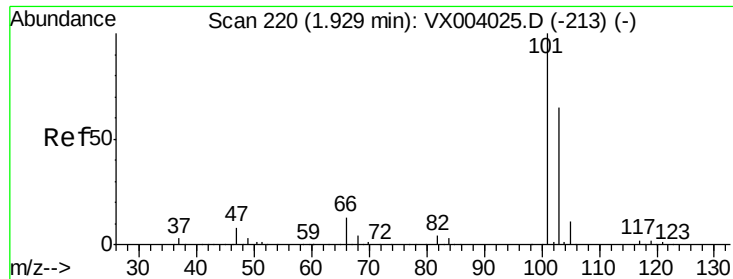
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1.65 1.70 1.75 1.80 1.85

Time-->





#7

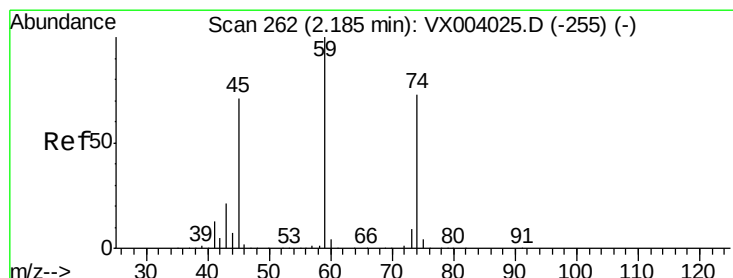
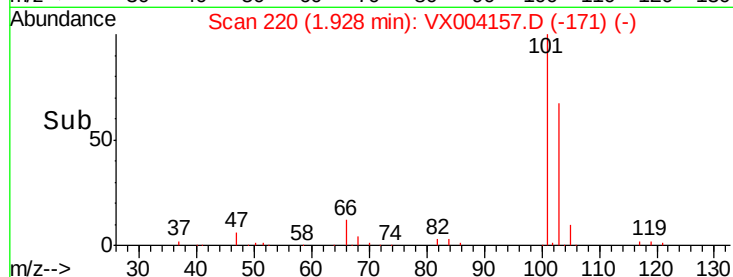
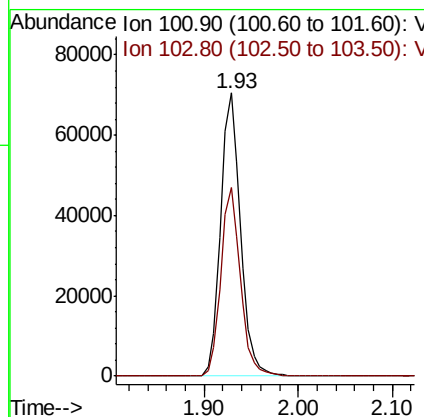
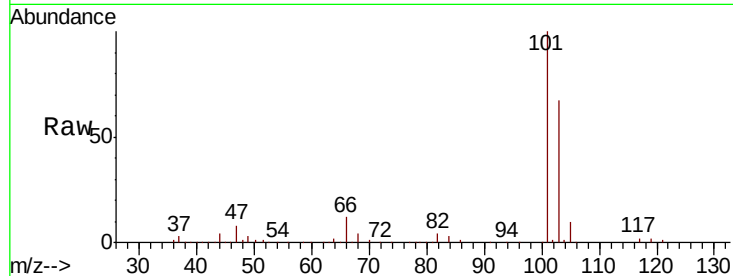
Trichlorofluoromethane
Concen: 18.44 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion:101 Resp: 103253
Ion Ratio Lower Upper
101 100
103 66.8 52.3 78.5

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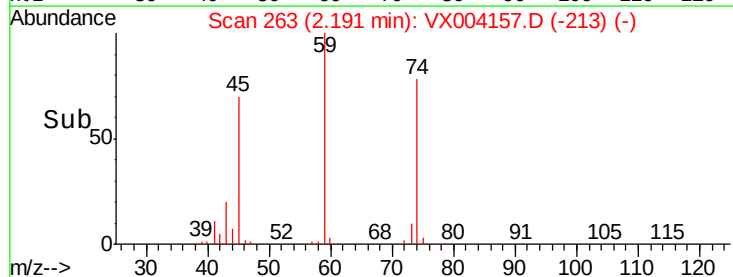
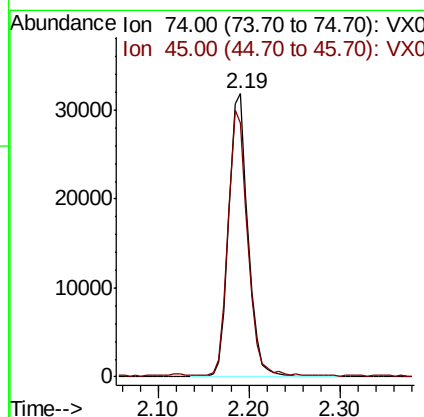
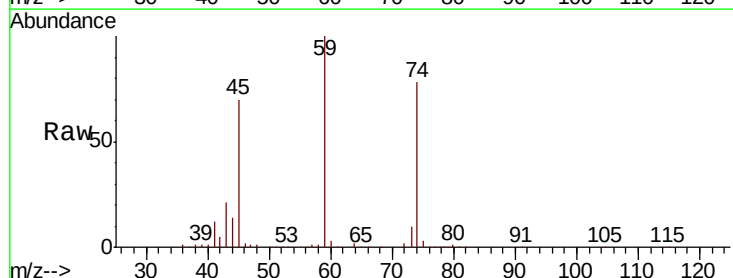
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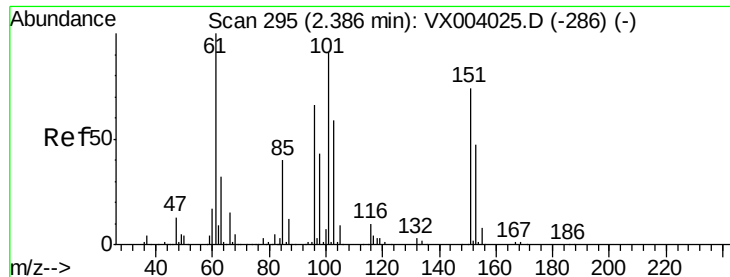


#8

Diethyl Ether
Concen: 19.30 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion: 74 Resp: 47180
Ion Ratio Lower Upper
74 100
45 93.8 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.57 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

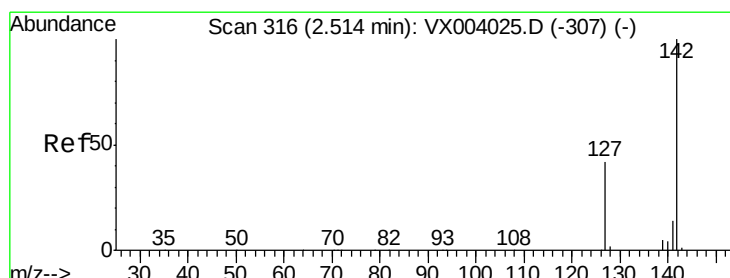
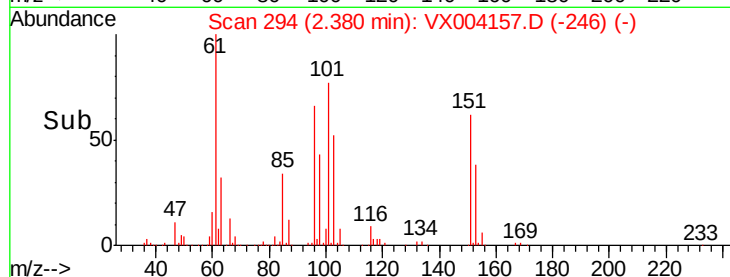
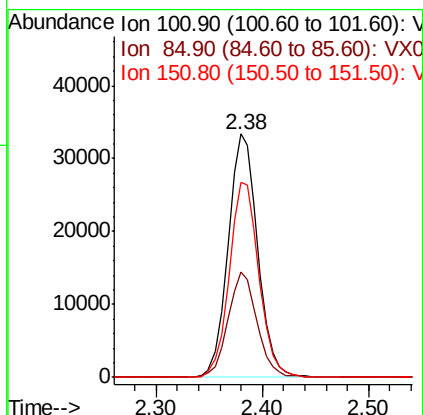
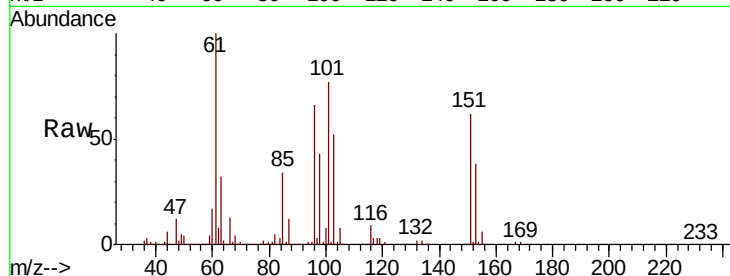
ClientSampleId :

VX0820WBSD01

Tot Ion:	101	Resp:	64869
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	80.3	65.0	97.4

Manual Integrations
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8/21/2018 11:16:54 AM



#10

Methyl Iodide

Concen: 18.27 ug/l

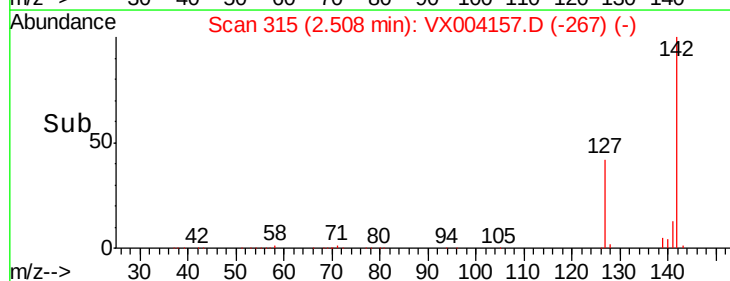
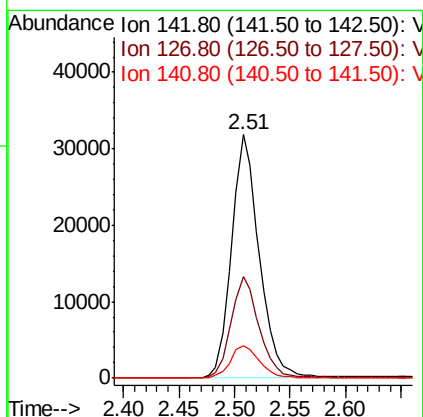
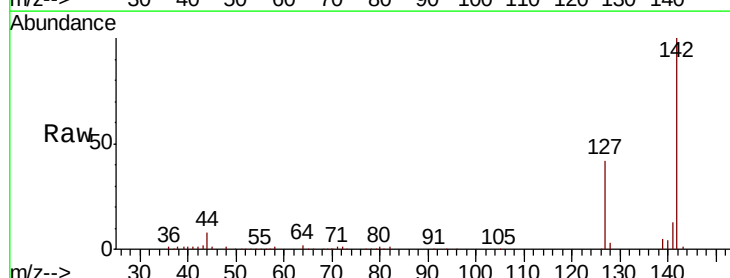
RT: 2.51 min Scan# 315

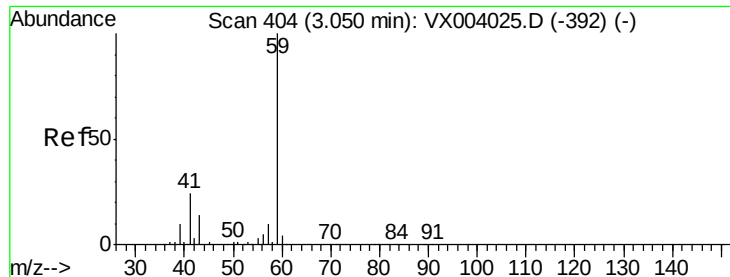
Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	142	Resp:	54960
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.1	49.7
141	14.0	11.1	16.7





#11

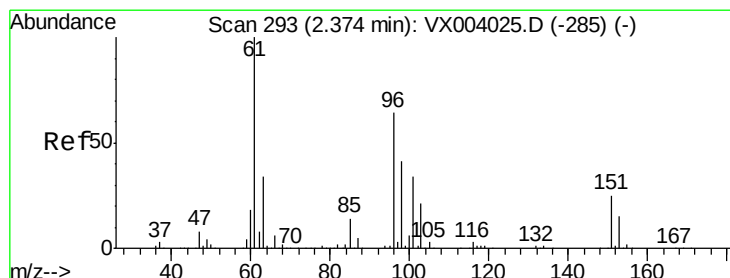
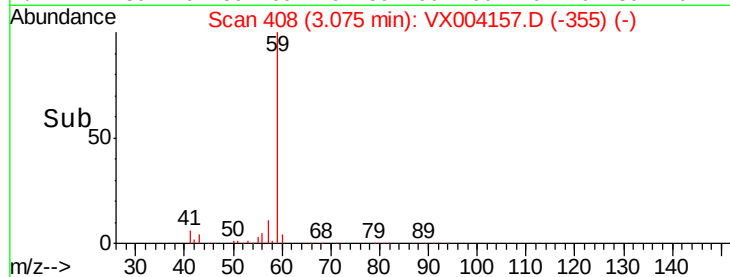
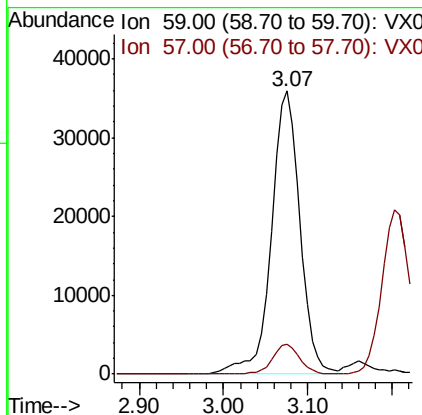
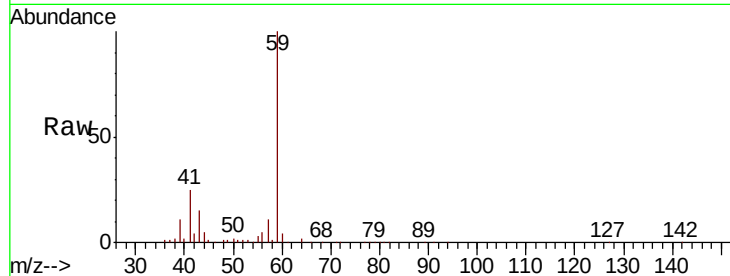
Tert butyl alcohol
 Concen: 96.60 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. 0.02 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	84645
Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

Manual Integrations
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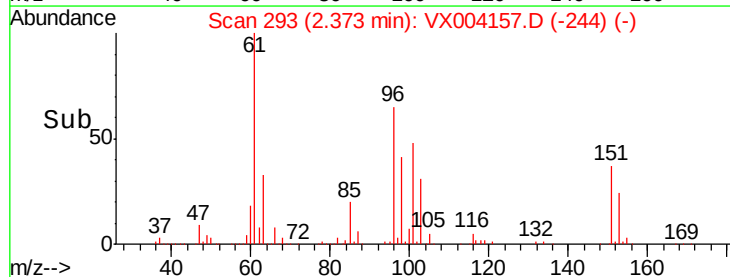
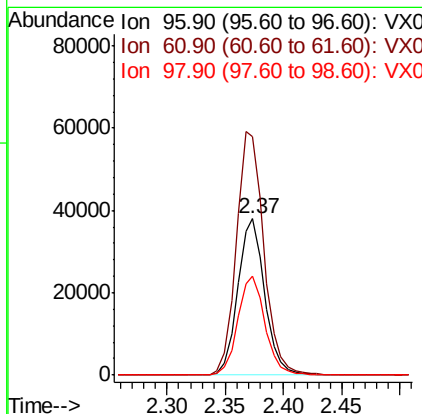
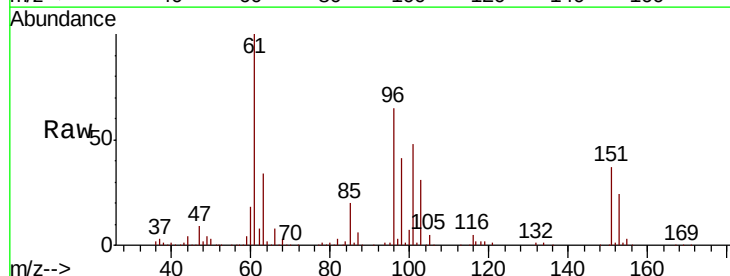
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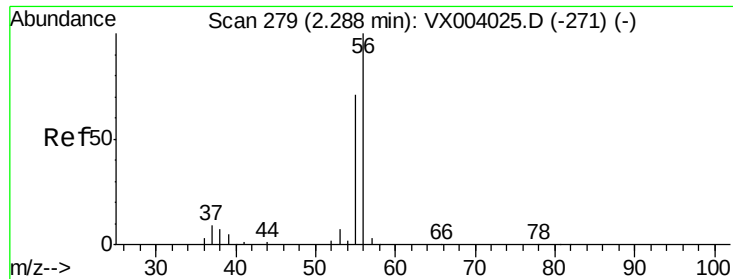


#12

1,1-Dichloroethene
 Concen: 18.86 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	96	Resp	61274
Ion	Ratio	Lower	Upper
96	100		
61	153.0	131.3	196.9
98	63.2	51.8	77.6





#13

Acrolein

Concen: 111.04 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 56 Resp: 62227

Ion Ratio Lower Upper

56 100

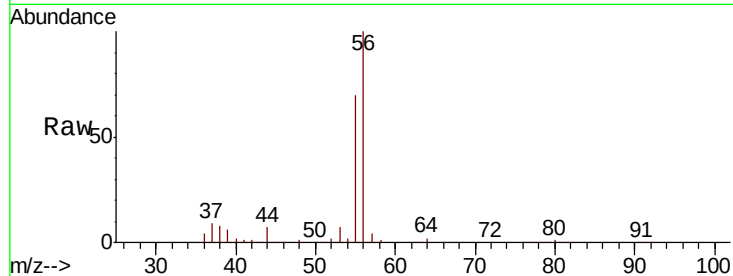
55 69.2 56.1 84.1

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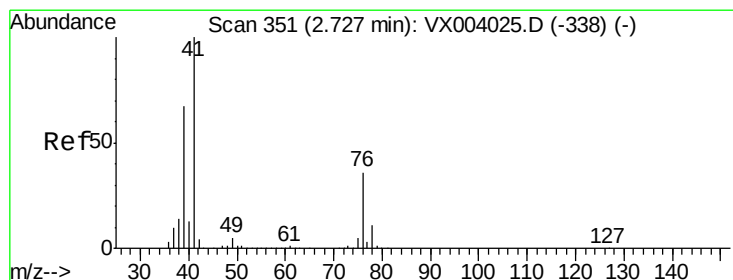
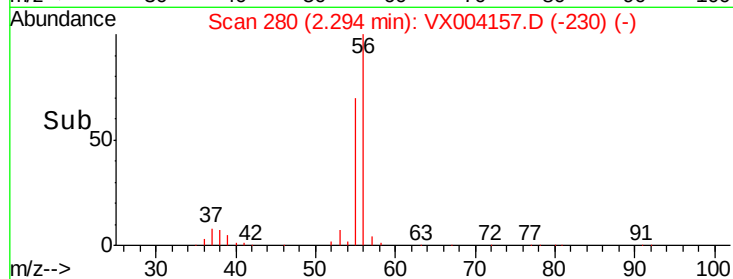
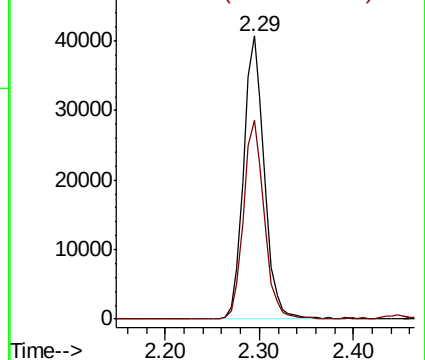
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.61 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

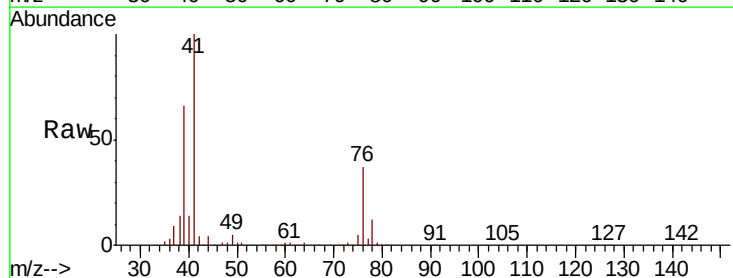
Tgt Ion: 41 Resp: 115032

Ion Ratio Lower Upper

41 100

39 59.9 47.4 71.0

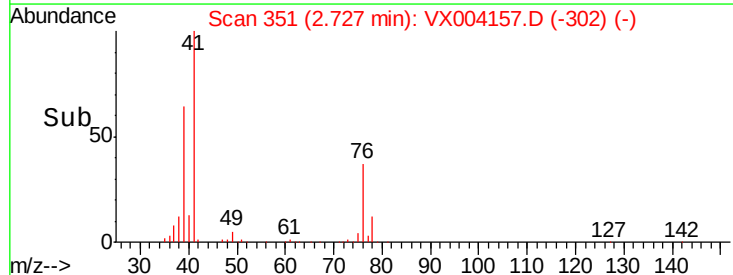
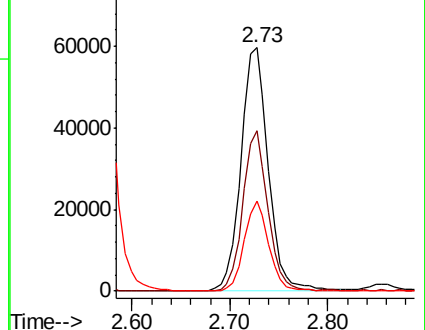
76 33.3 26.0 39.0

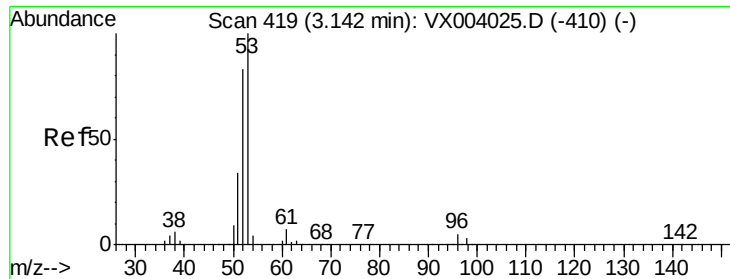


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 95.02 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

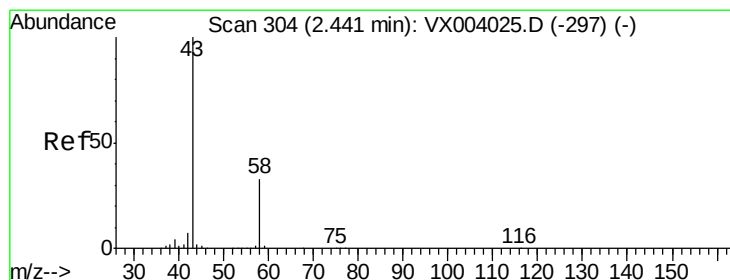
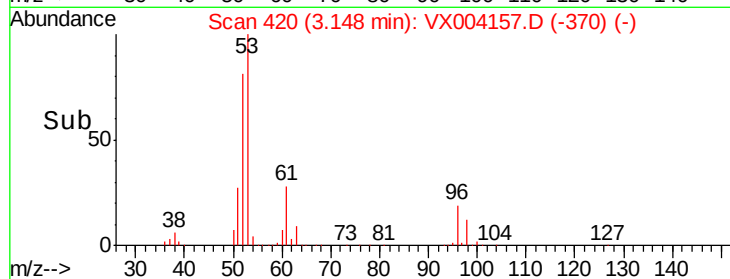
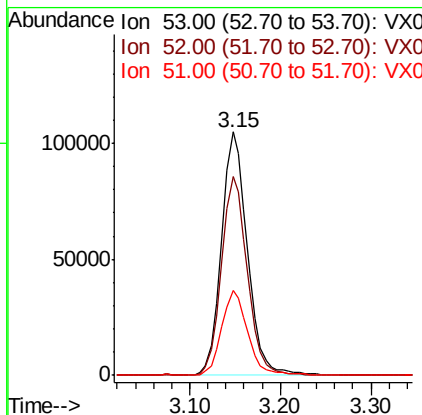
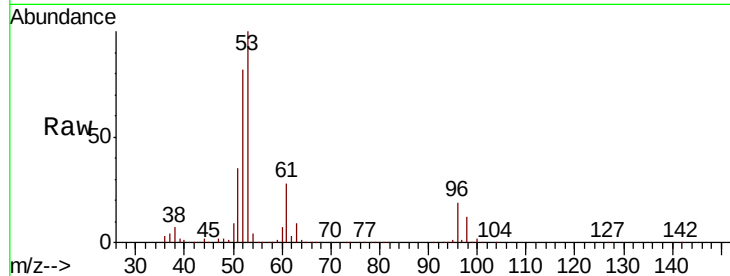
ClientSampled :

VX0820WBSD01

Tot Ion:	53	Resp:	207594
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.3	97.9
51	35.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 93.57 ug/l

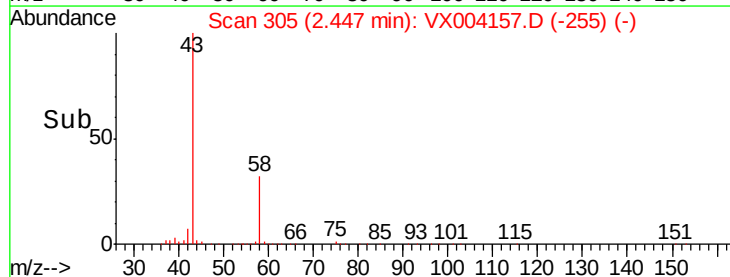
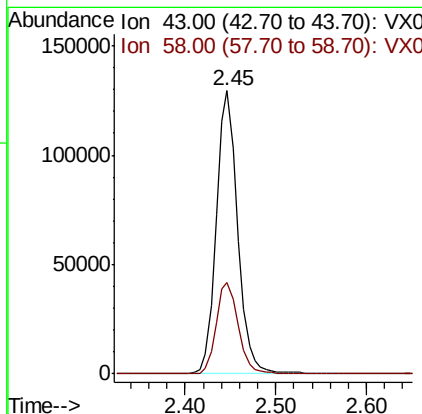
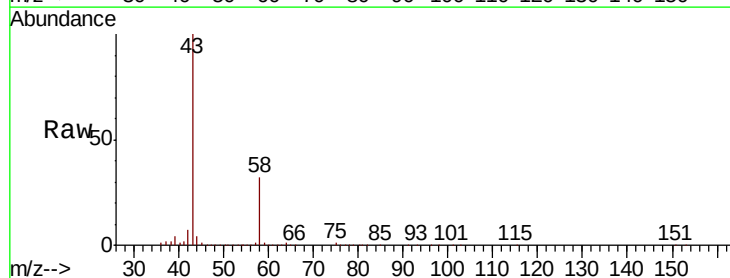
RT: 2.45 min Scan# 305

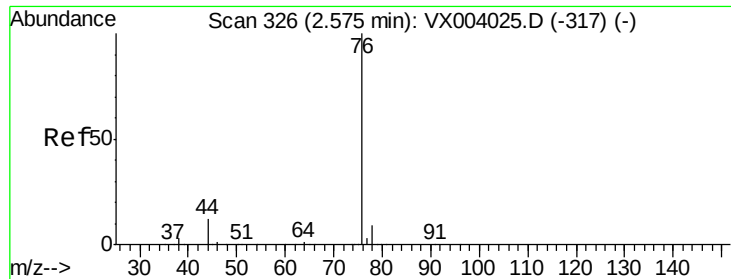
Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	43	Resp:	211684
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.4	39.6





#17

Carbon Disulfide

Concen: 17.19 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampled :

VX0820WBSD01

Tot Ion: 76 Resp: 158425

Ion Ratio Lower Upper

76 100

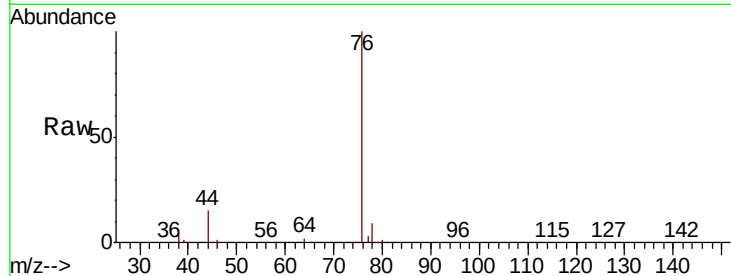
78 9.1 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

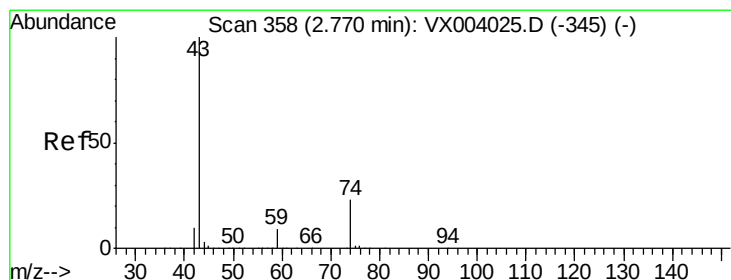
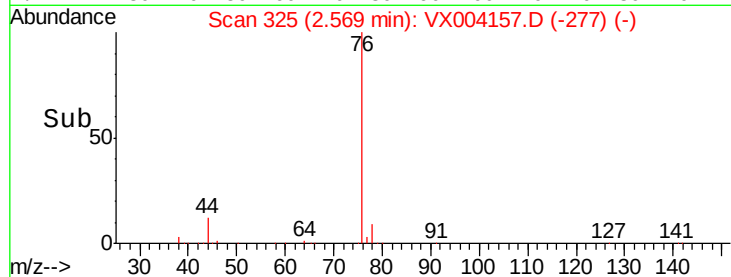
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.75 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004157.D

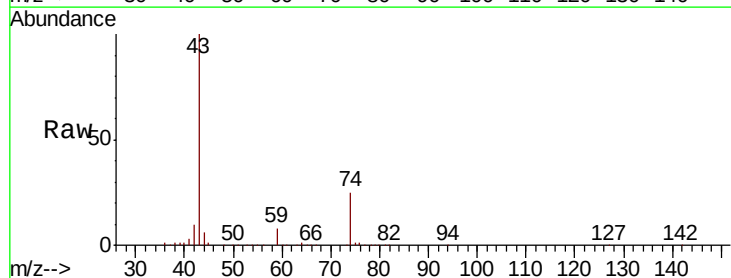
Acq: 20 Aug 2018 17:08

Tgt Ion: 43 Resp: 104306

Ion Ratio Lower Upper

43 100

74 24.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

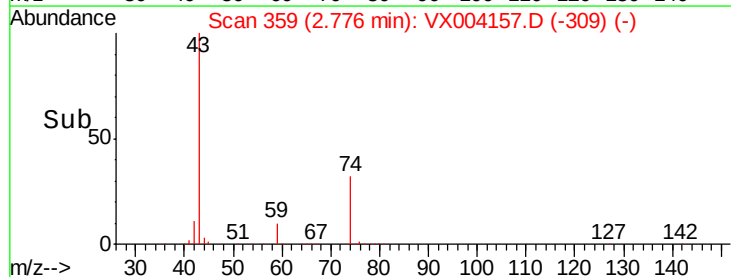
60000

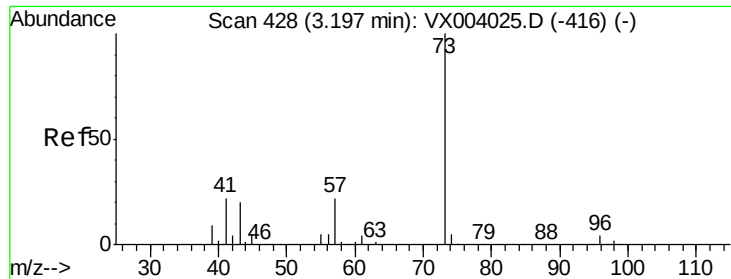
40000

20000

0

Time-->





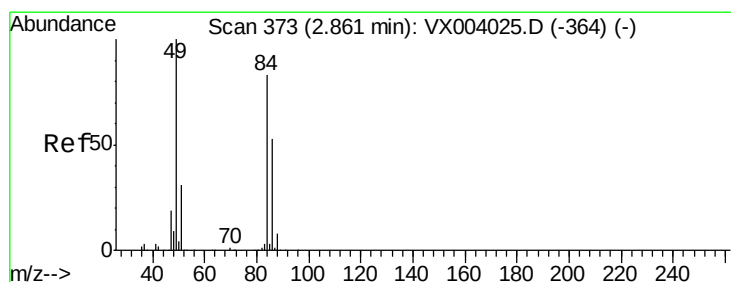
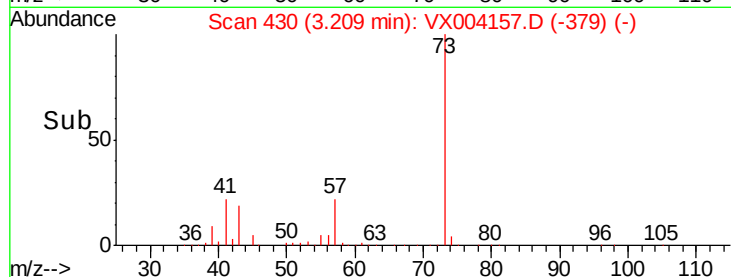
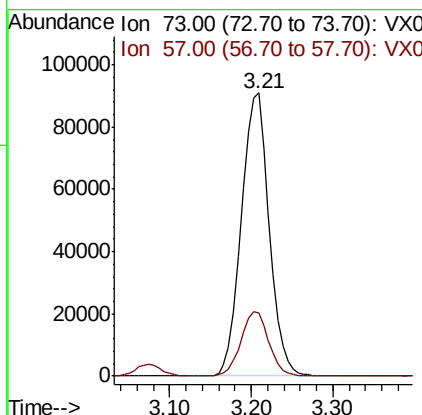
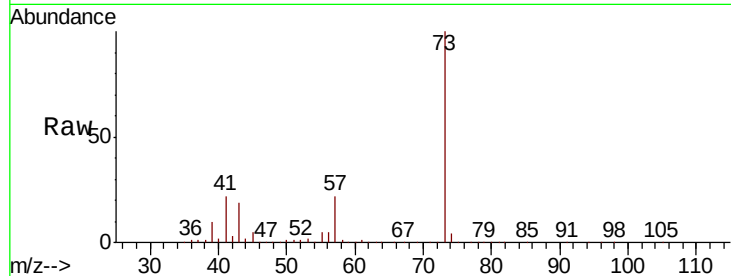
#19
Methyl tert-butyl Ether
Concen: 18.82 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleID :
VX0820WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.2	18.0	27.0

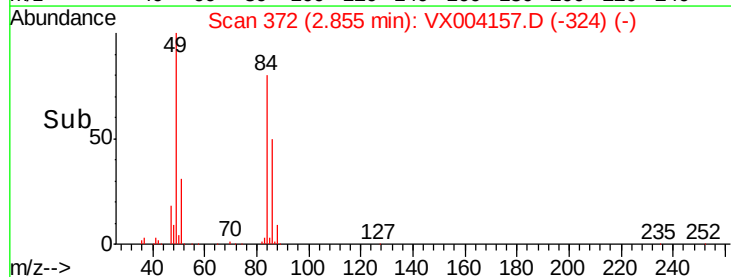
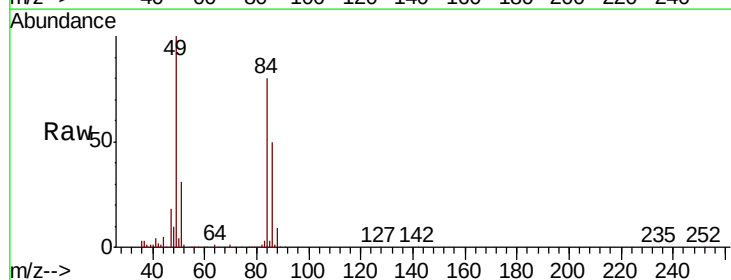
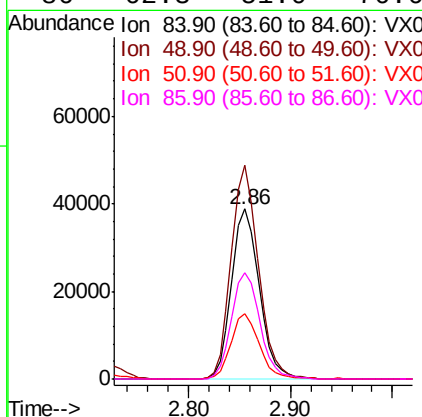
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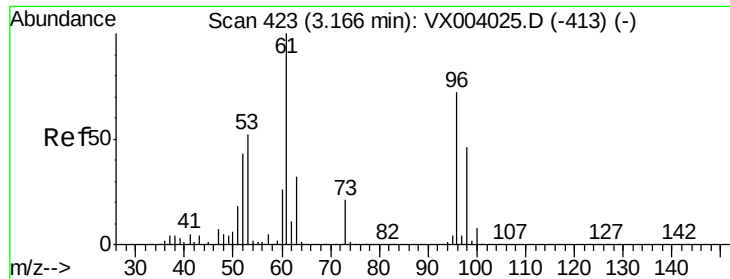
MMDadoda
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#20
Methylene Chloride
Concen: 19.51 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	125.5	98.9	148.3
51	51	38.5	29.9	44.9
86	86	62.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 18.32 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

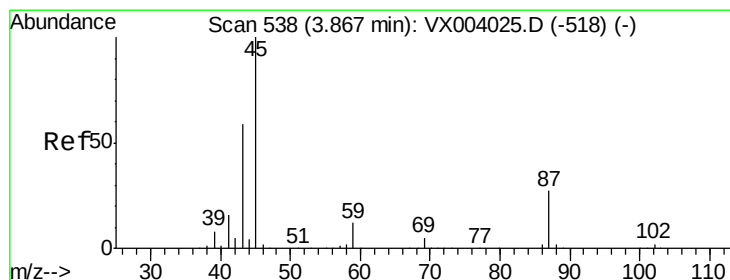
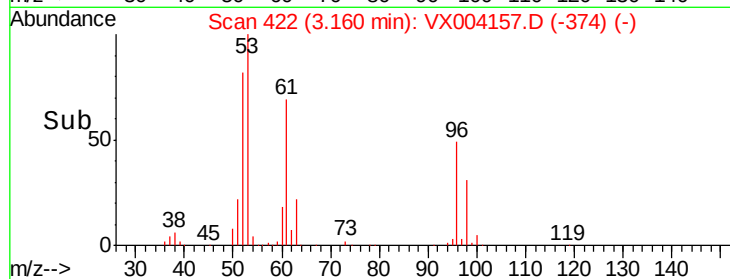
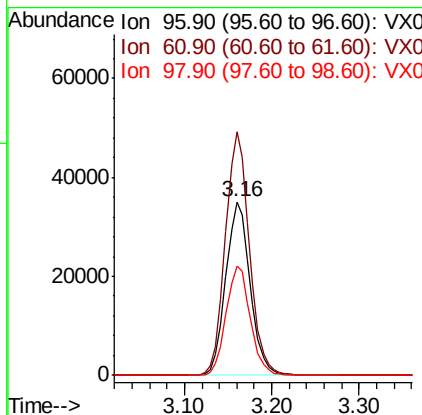
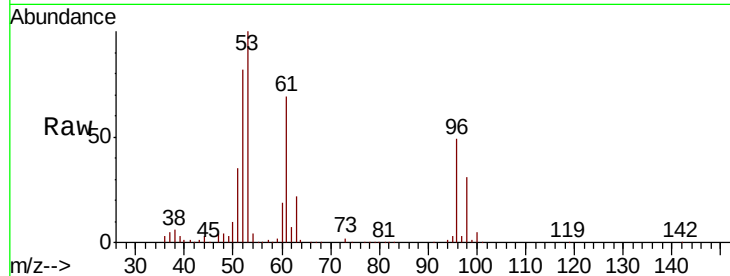
ClientSampleId :

VX0820WBSD01

Tot Ion:	96	Resp:	67583
Ion	Ratio	Lower	Upper
96	100		
61	140.4	111.8	167.6
98	63.3	51.8	77.6

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#22

Diisopropyl ether

Concen: 17.97 ug/l

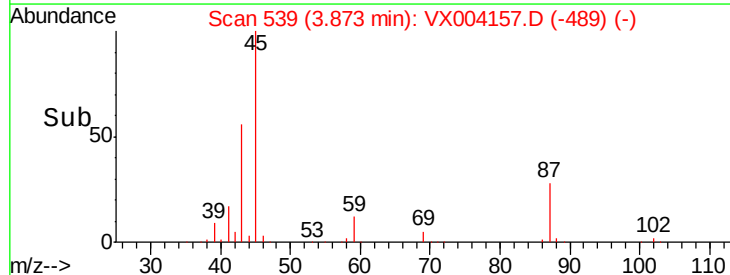
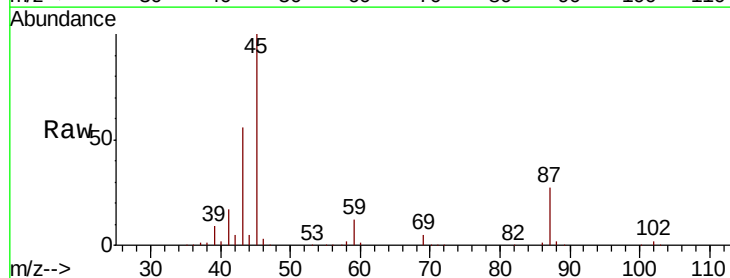
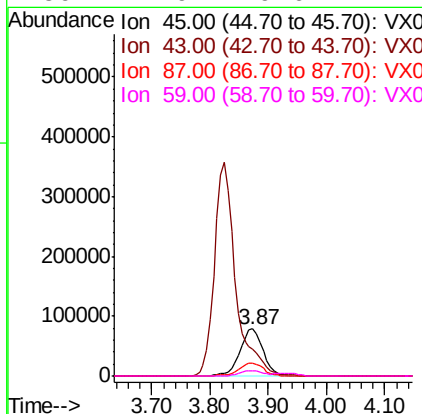
RT: 3.87 min Scan# 539

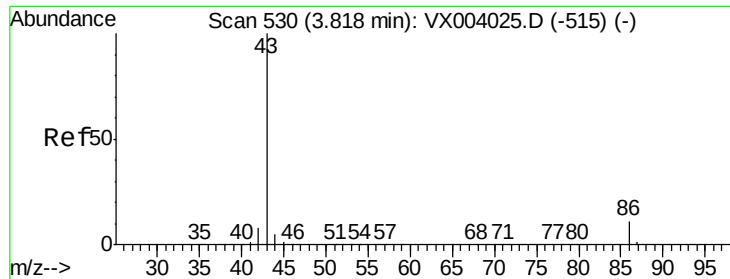
Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	45	Resp:	217696
Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.3	67.9
87	27.5	22.7	34.1
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 90.84 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 43 Resp: 903772

Ion Ratio Lower Upper

43 100

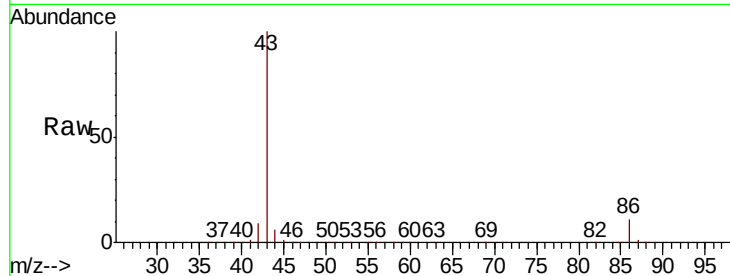
86 11.0 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

300000

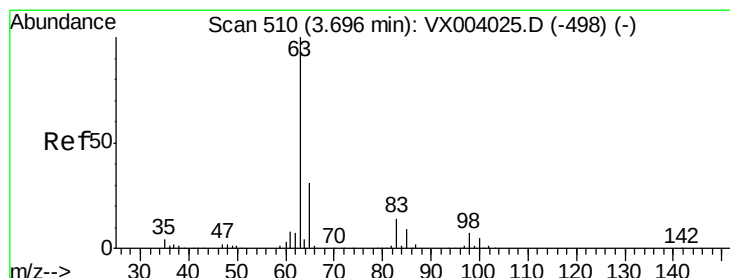
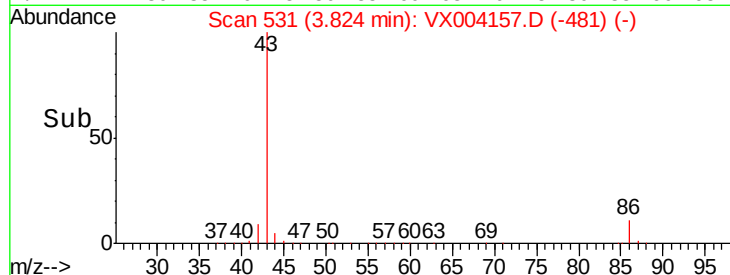
200000

100000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.11 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

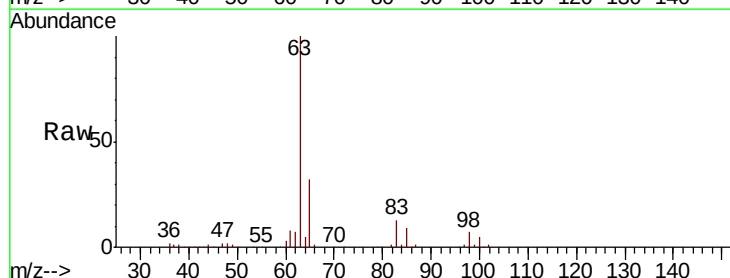
Tgt Ion: 63 Resp: 124223

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.6 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

60000

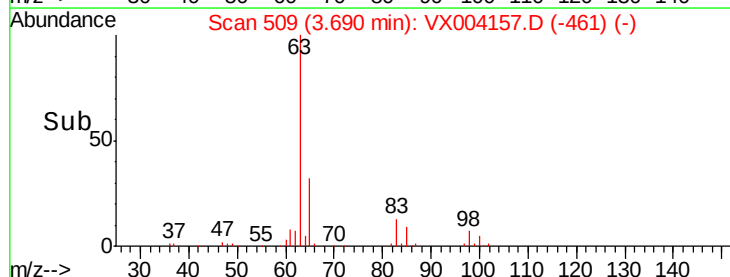
40000

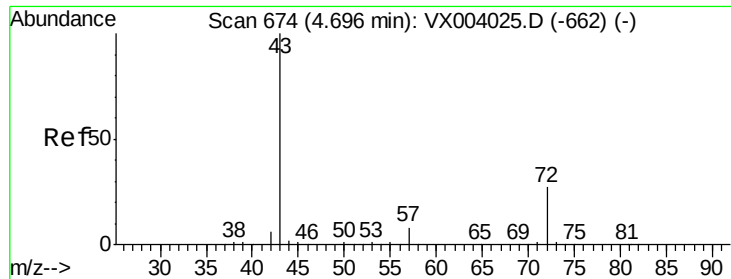
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 88.04 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 43 Resp: 324082

Ion Ratio Lower Upper

43 100

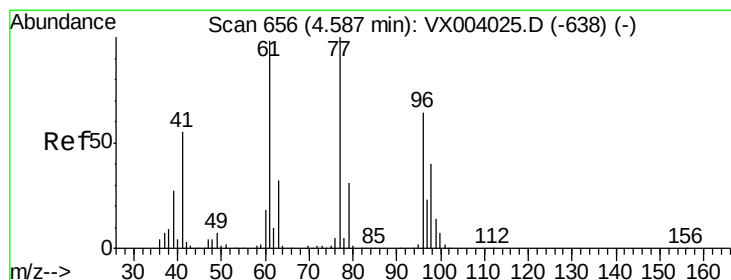
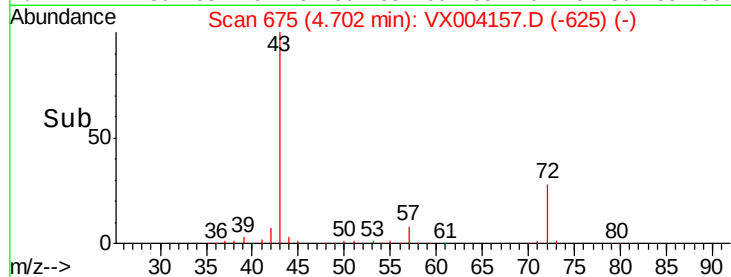
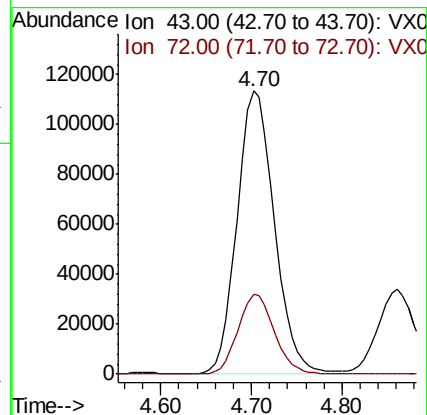
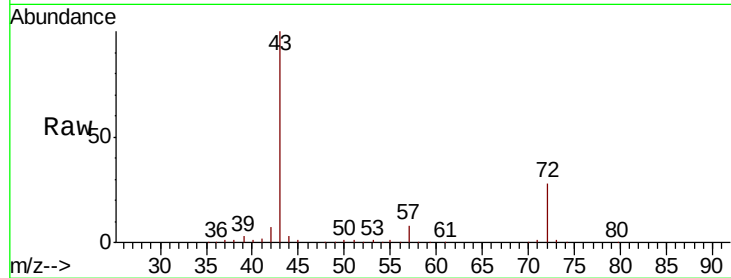
72 28.1 21.4 32.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.22 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004157.D

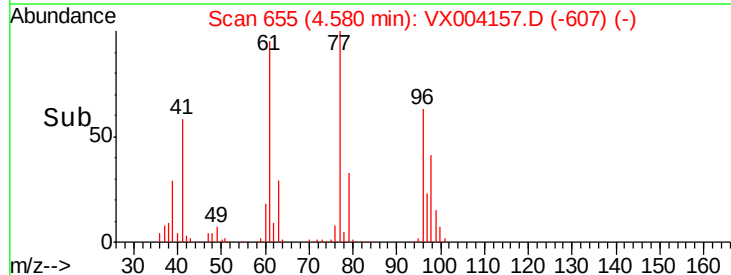
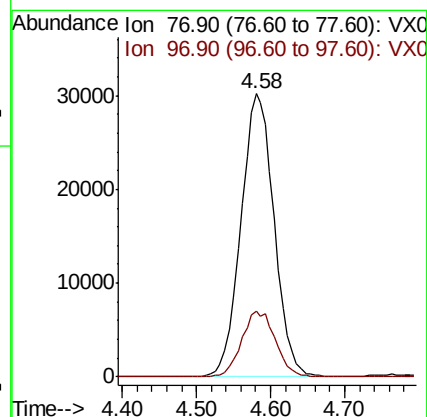
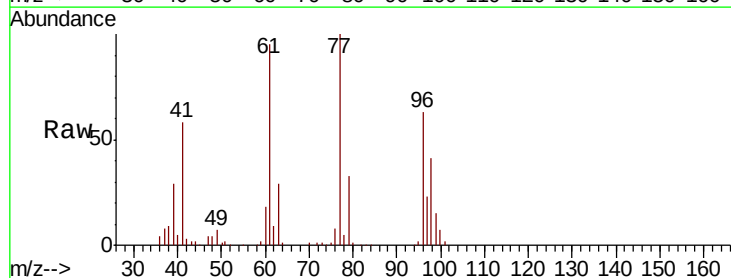
Acq: 20 Aug 2018 17:08

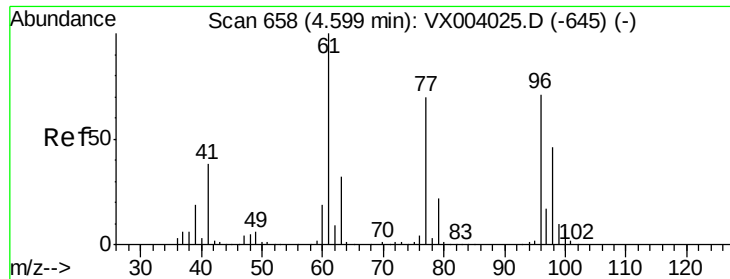
Tgt Ion: 77 Resp: 93934

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 18.44 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

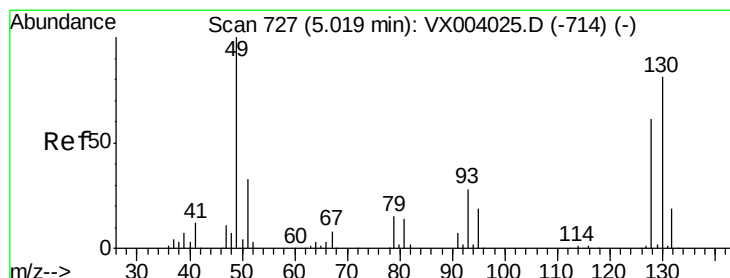
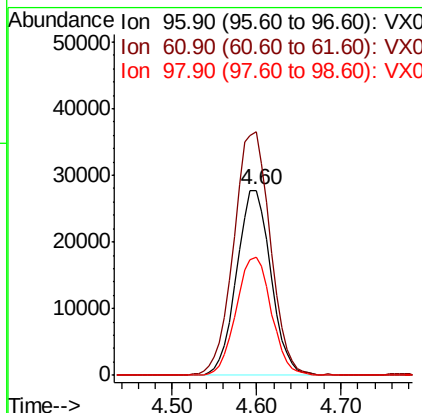
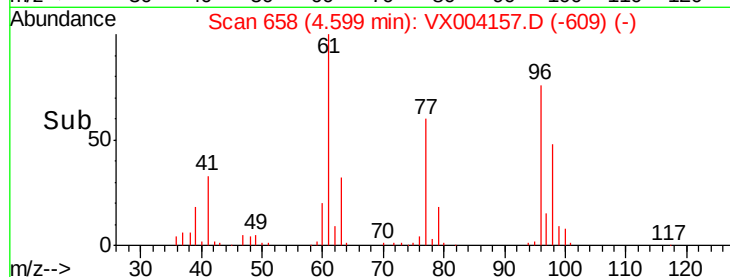
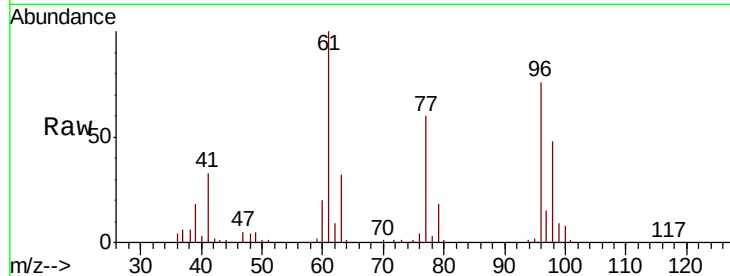
ClientSampleId :

VX0820WBSD01

Tot Ion:	96	Resp:	76506
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	293.0
98	65.5	0.0	131.8

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#28

Bromochloromethane

Concen: 20.32 ug/l

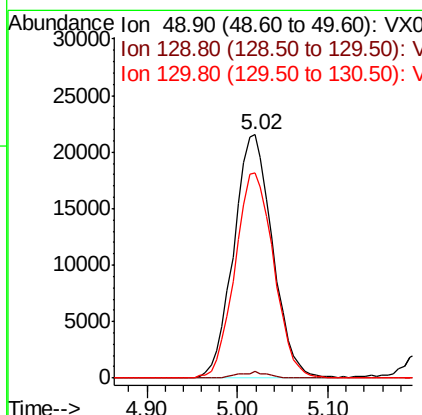
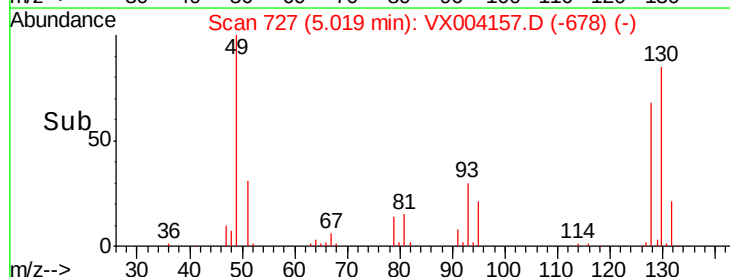
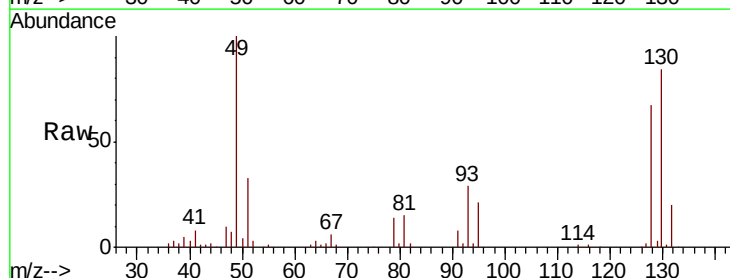
RT: 5.02 min Scan# 727

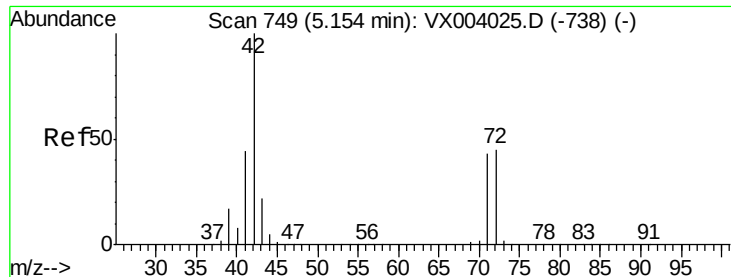
Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	49	Resp:	63972
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.4	66.5	99.7





#29

Tetrahydrofuran

Concen: 86.81 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

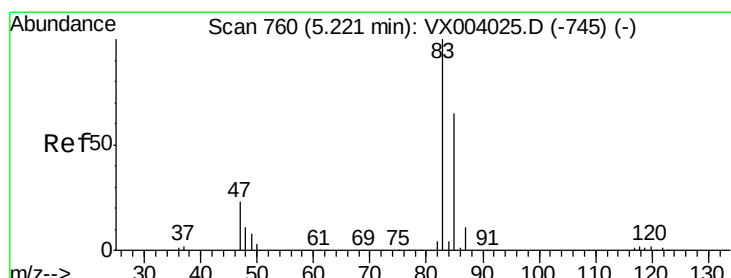
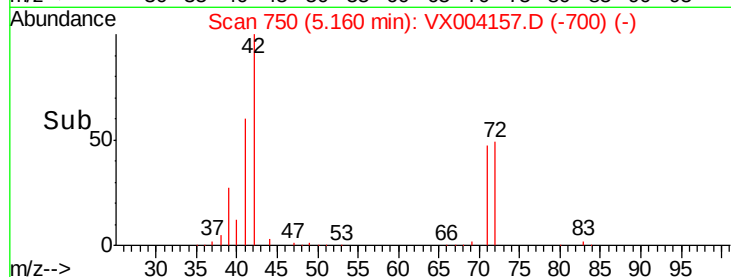
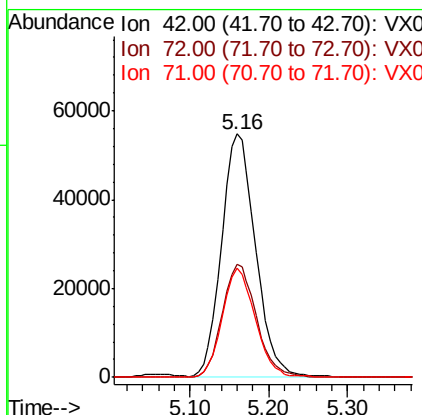
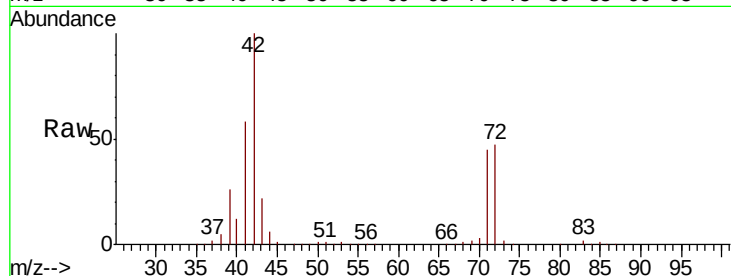
ClientSampled :

VX0820WBSD01

Tot Ion:	42	Resp:	163265
Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.7	56.5
71	44.1	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 19.26 ug/l

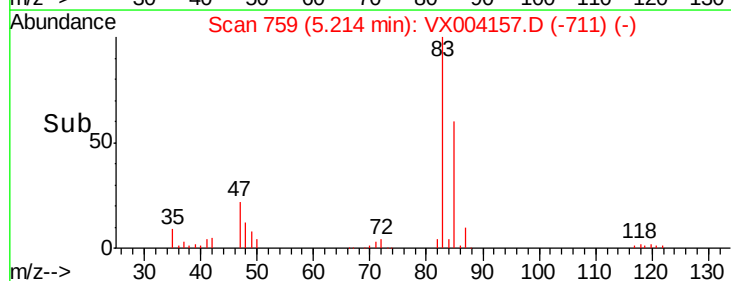
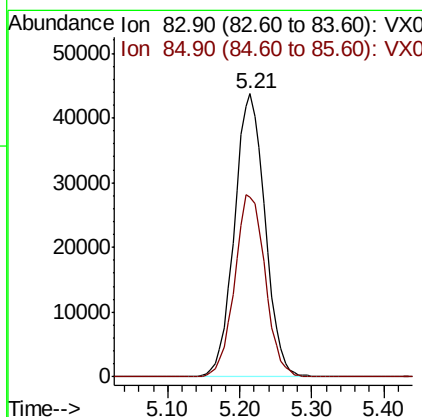
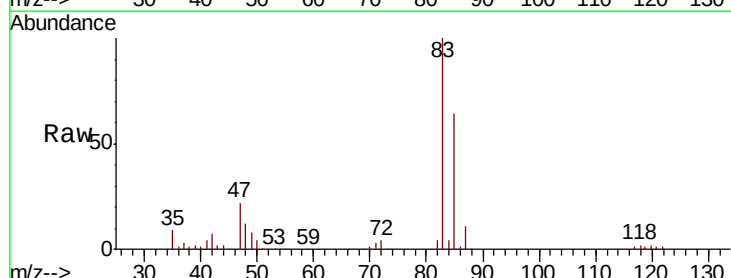
RT: 5.21 min Scan# 759

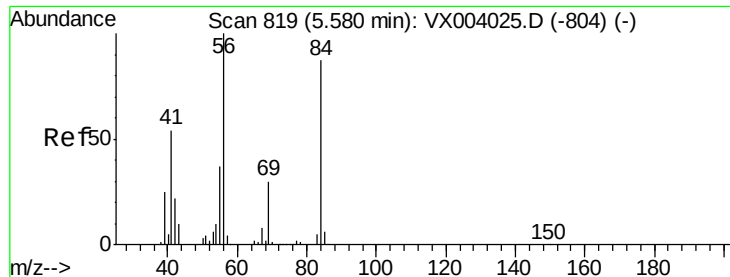
Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	83	Resp:	128995
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





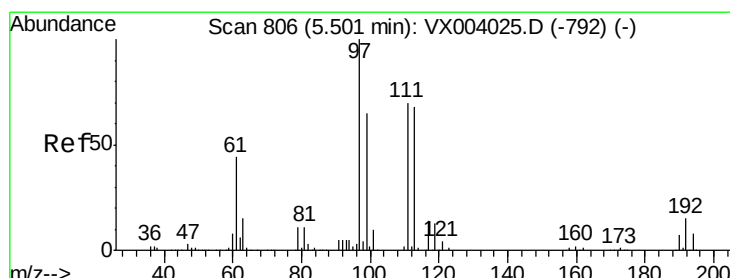
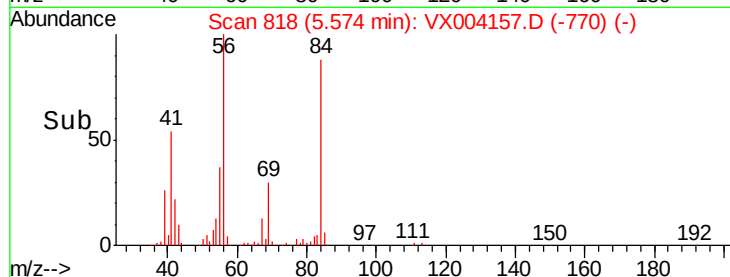
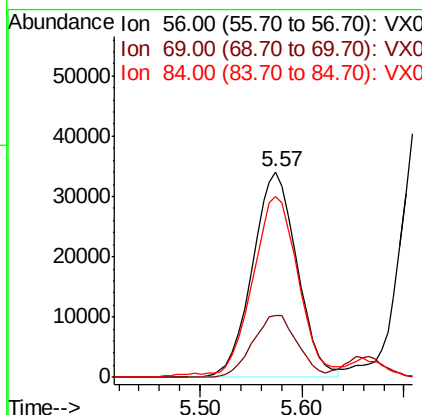
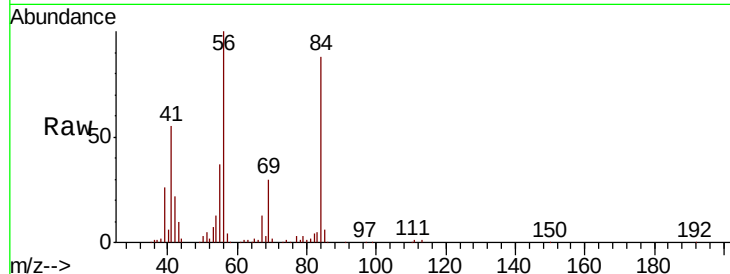
#31
Cyclohexane
Concen: 17.19 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleID :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.9	37.3
84	86.4	71.7	107.5

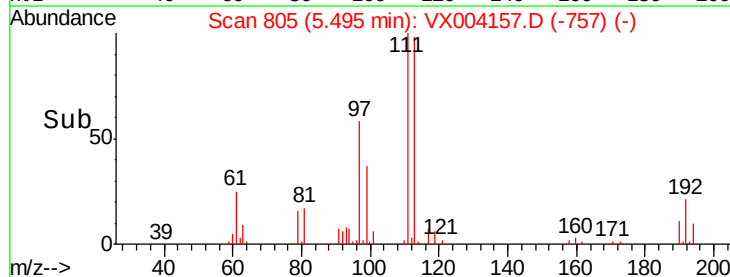
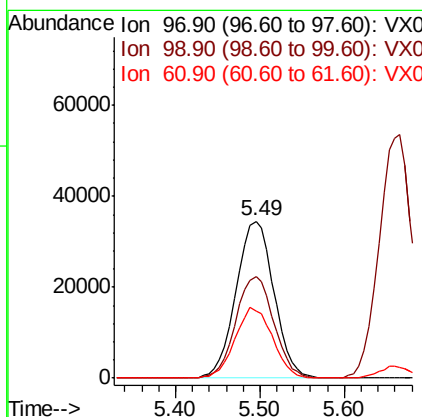
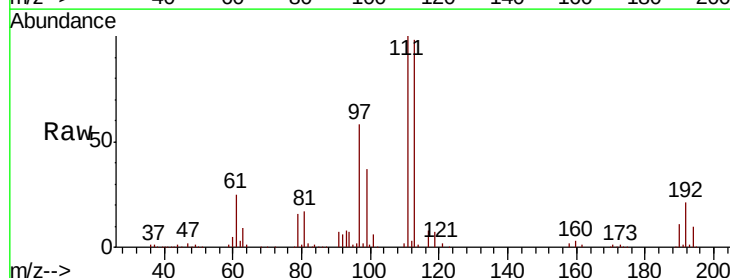
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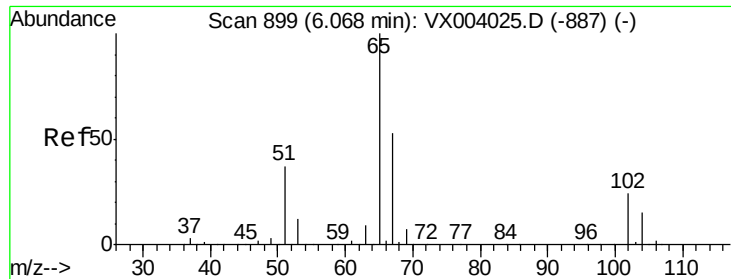
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#32
1,1,1-Trichloroethane
Concen: 18.80 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	44.7	34.4	51.6





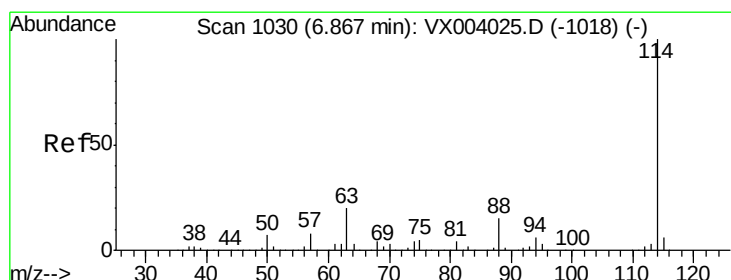
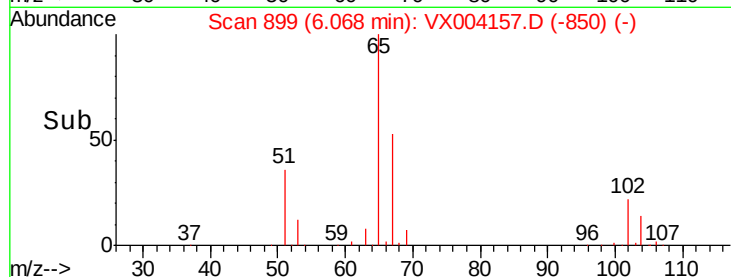
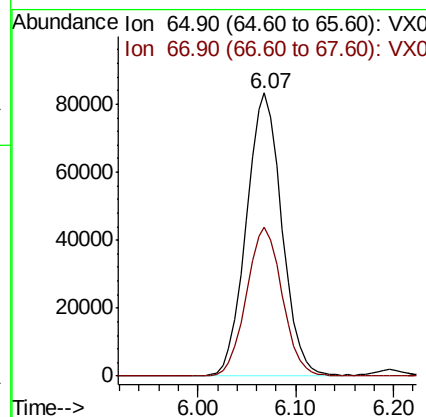
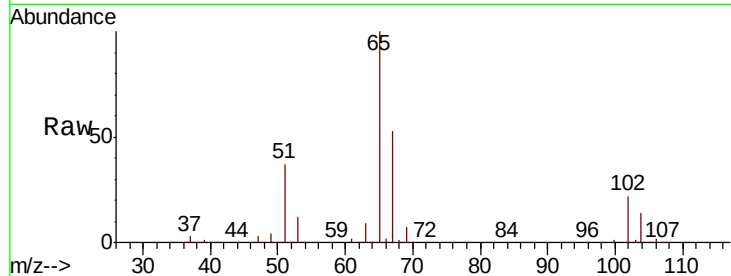
#33
 1,2-Dichloroethane-d4
 Concen: 48.33 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	210309		
67	53.0	0.0	105.8	

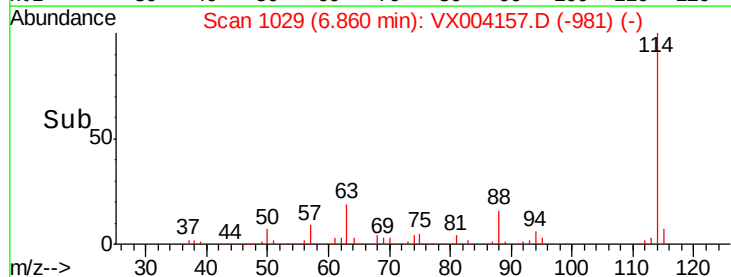
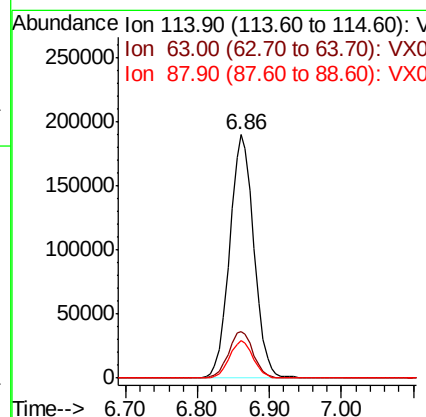
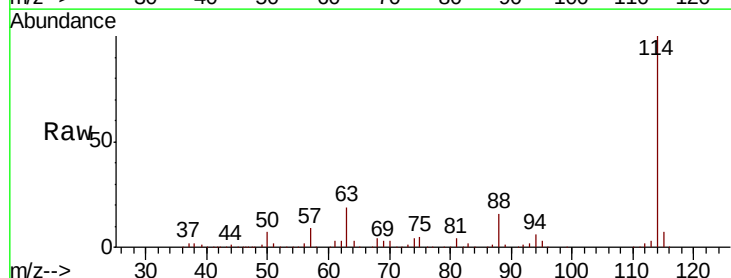
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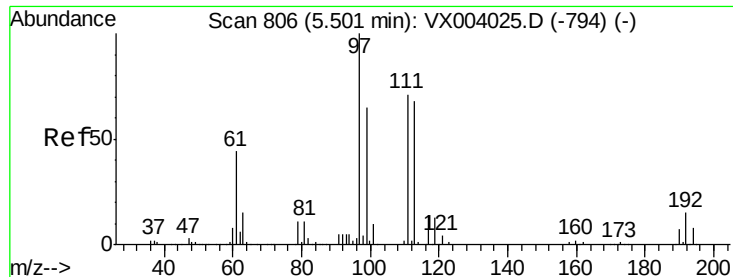
MMDadoda
 8/21/2018 11:16:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	443701		
63	19.3	0.0	39.0	
88	15.5	0.0	32.0	





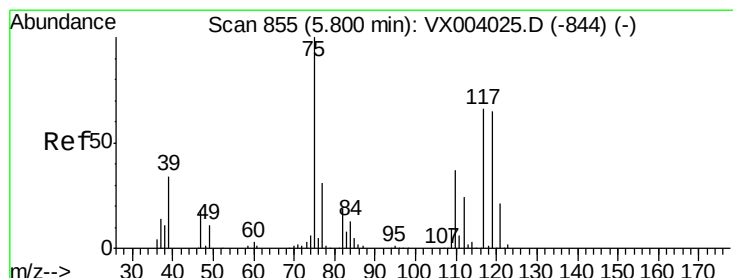
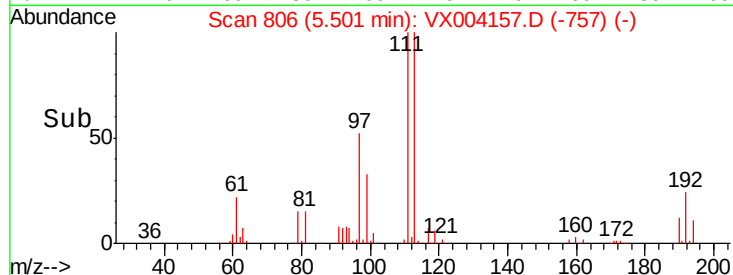
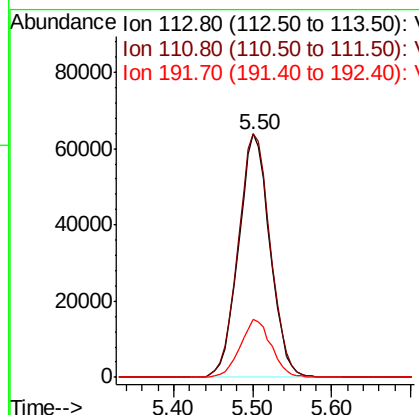
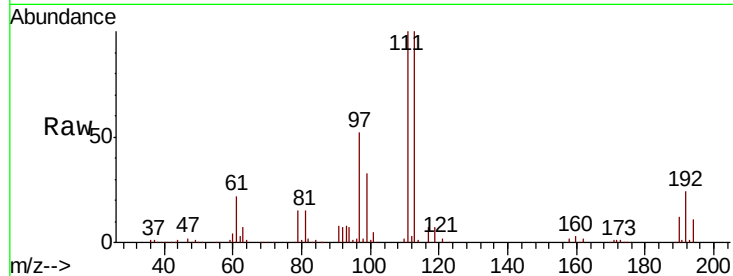
#35
 Dibromofluoromethane
 Concen: 53.10 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176317		
111	102.8	82.0	123.0	
192	23.5	19.0	28.4	

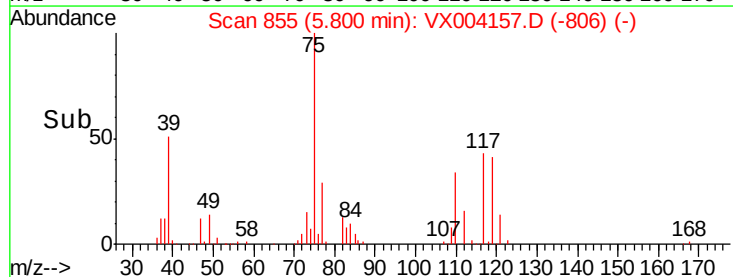
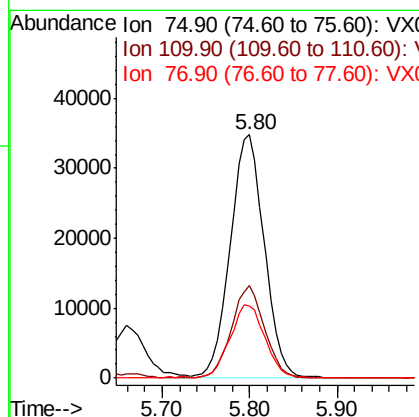
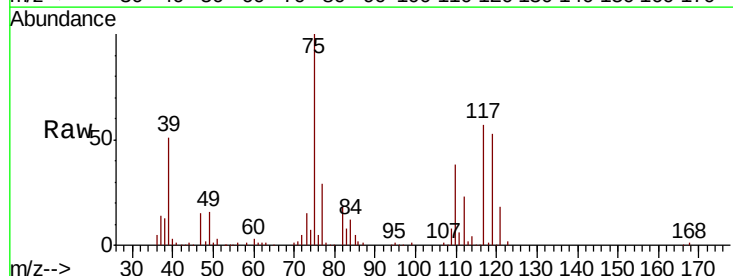
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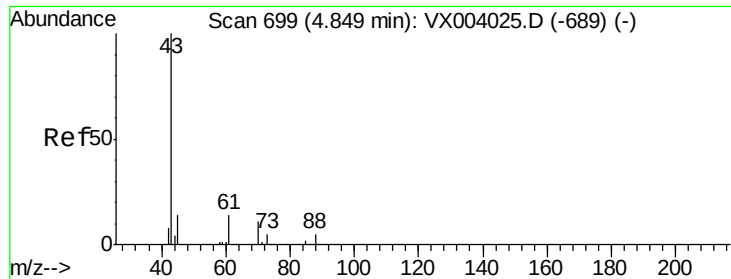
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#36
 1,1-Dichloropropene
 Concen: 18.55 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93677		
110	37.2	18.2	54.6	
77	31.1	25.0	37.4	





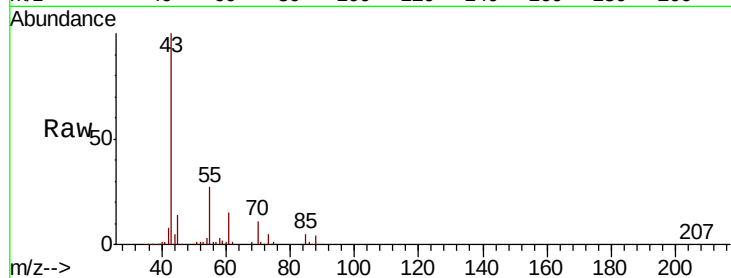
#37
Ethyl Acetate
Concen: 17.91 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

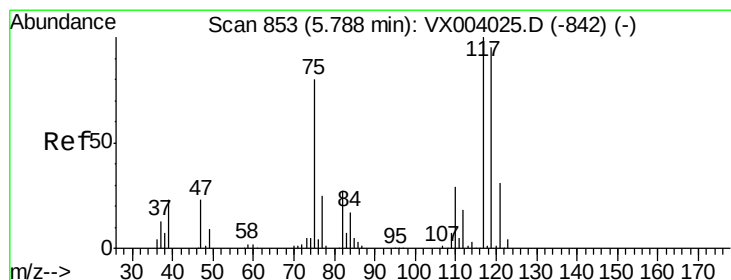
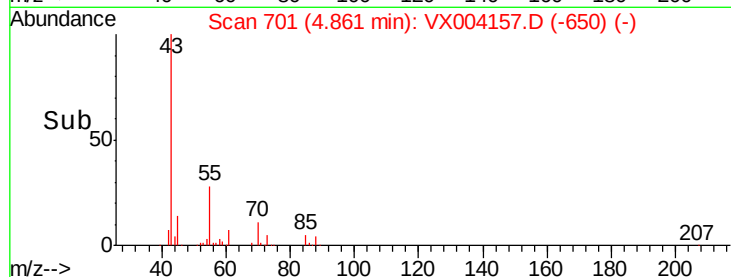
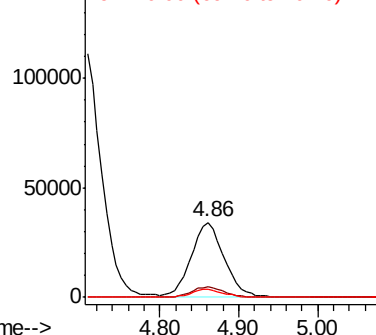
Tot Ion:	43	Resp:	98470
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	11.2	9.0	13.4

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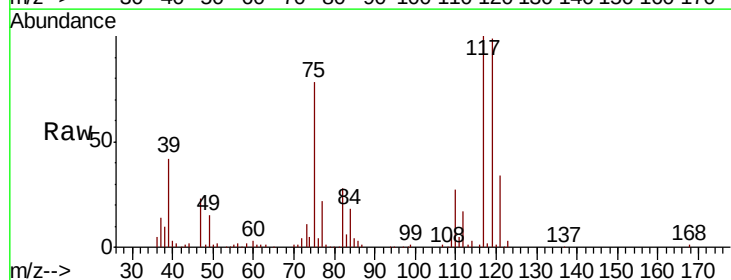


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

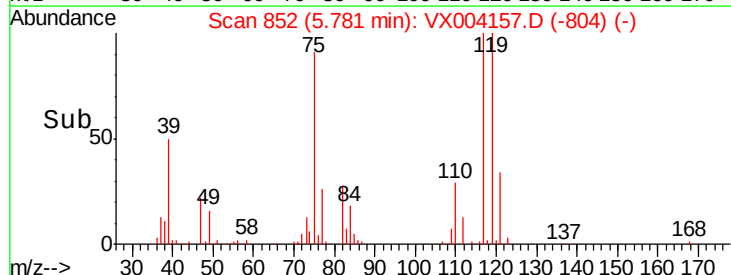
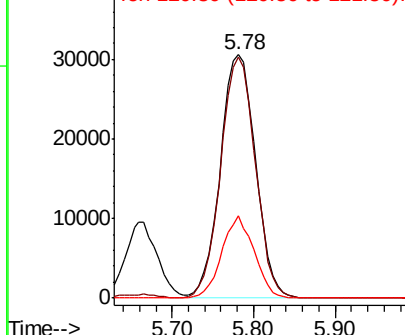


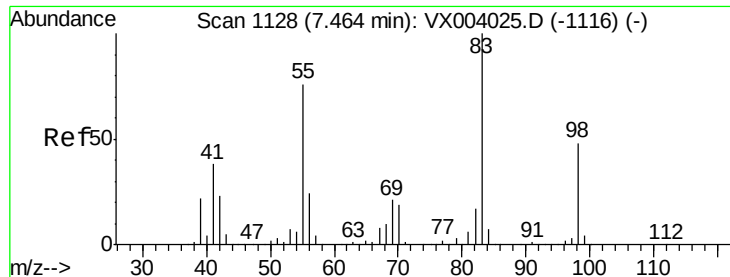
#38
Carbon Tetrachloride
Concen: 18.65 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion:	117	Resp:	91500
Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.5	119.3
121	34.0	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





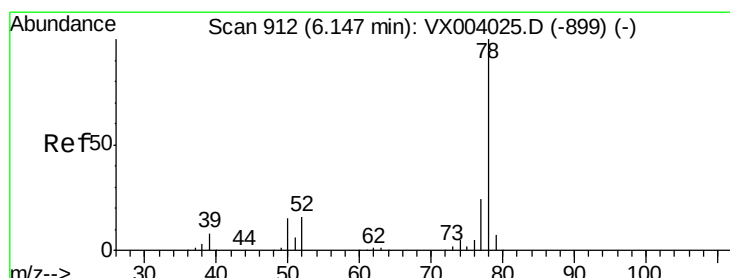
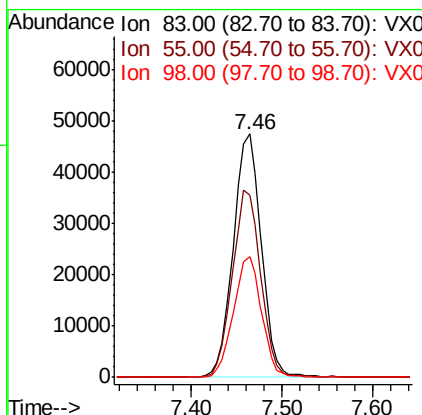
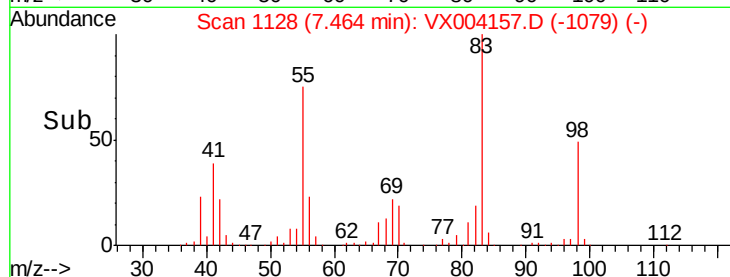
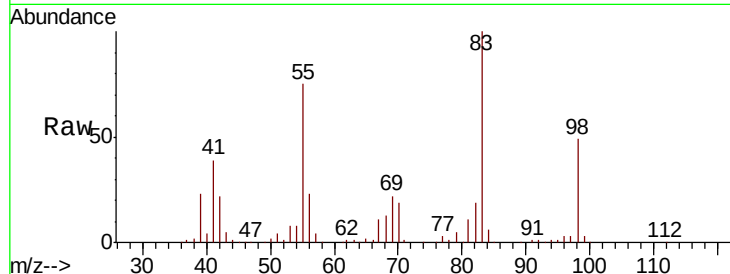
#39
Methylvlcyclohexane
Concen: 17.85 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	102240		
55	74.8		61.0	91.6
98	49.5		38.6	57.8

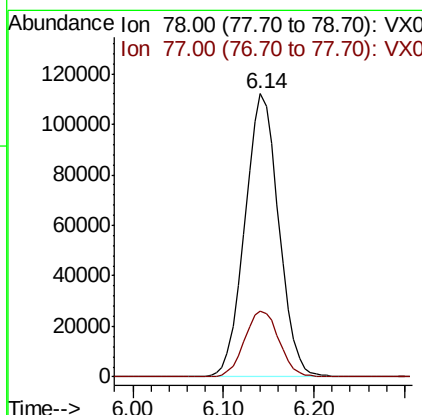
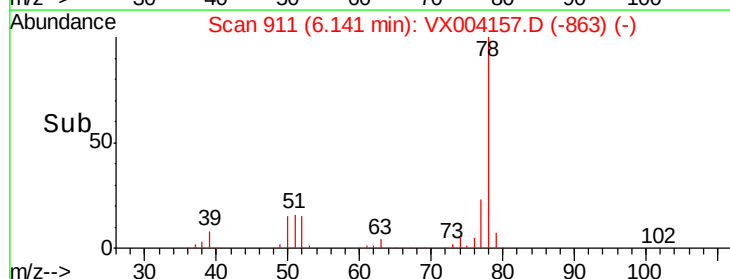
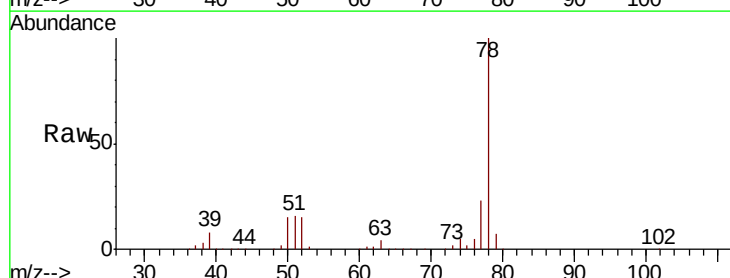
Manual Integrations
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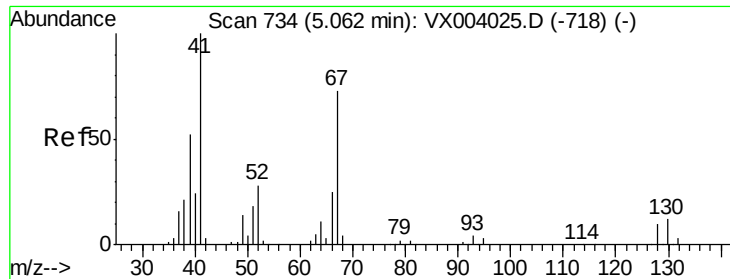
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#40
Benzene
Concen: 19.11 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	289659		
77	23.2		19.0	28.4





#41

Methacrylonitrile

Concen: 17.61 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

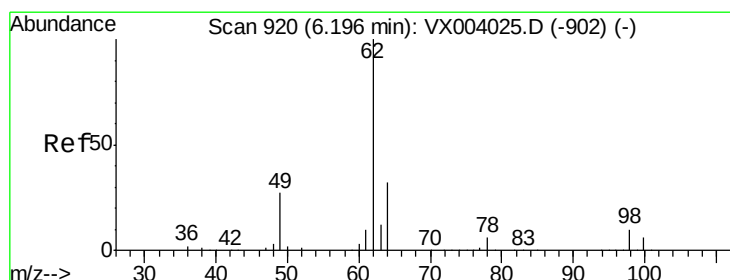
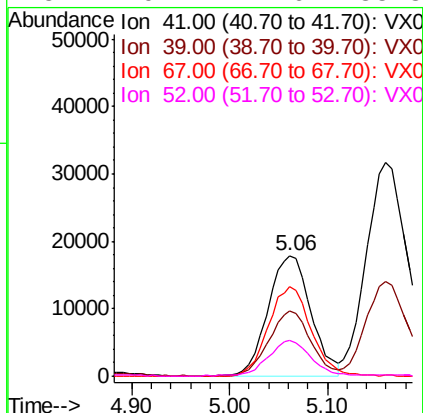
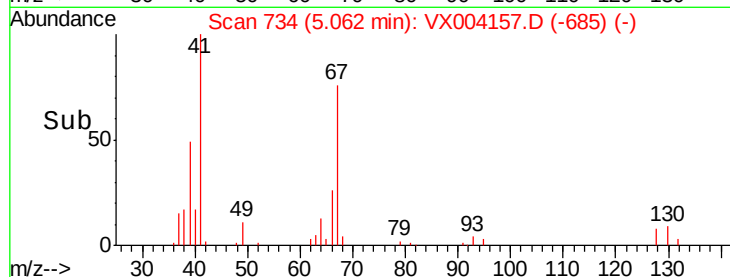
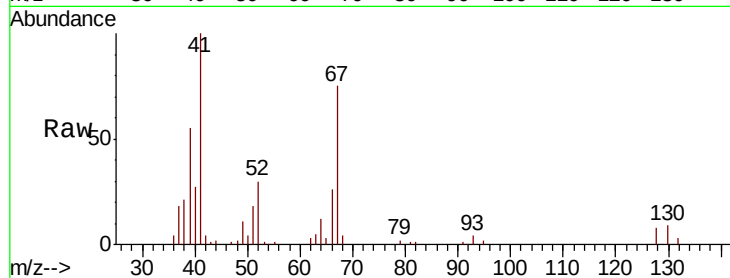
ClientSampleId :

VX0820WBSD01

Tot Ion:	41	Resp:	54212
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.7	64.1
67	74.9	58.9	88.3
52	29.4	22.6	33.8

Manual Integrations
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8/21/2018 11:16:54 AM



#42

1,2-Dichloroethane

Concen: 19.09 ug/l

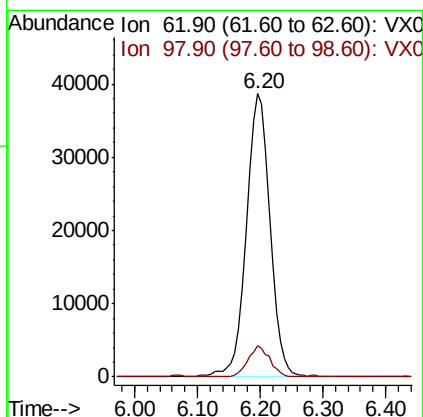
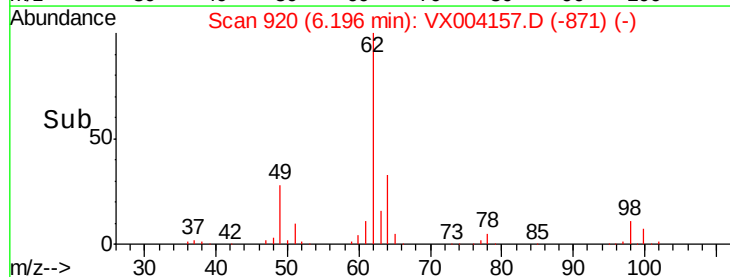
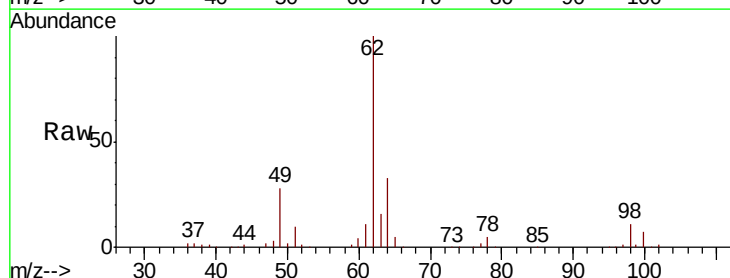
RT: 6.20 min Scan# 920

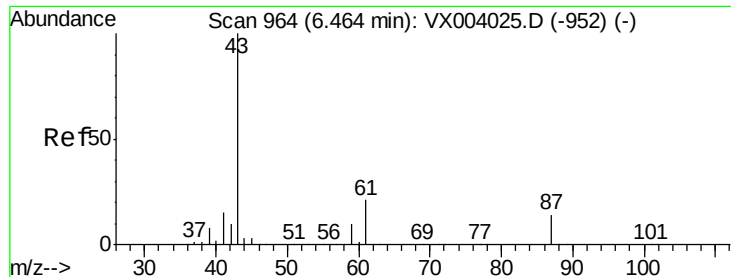
Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	62	Resp:	101312
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

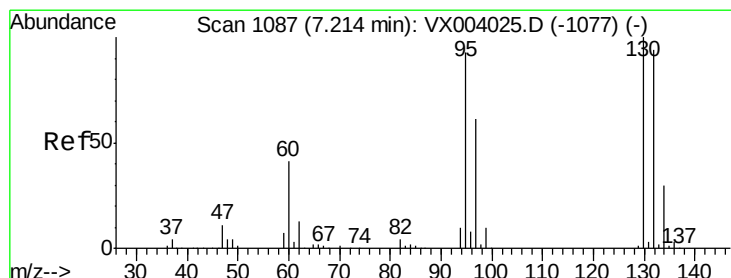
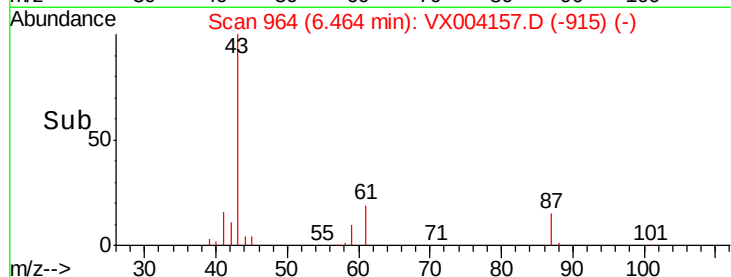
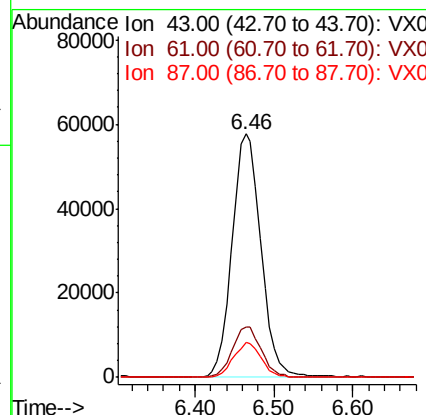
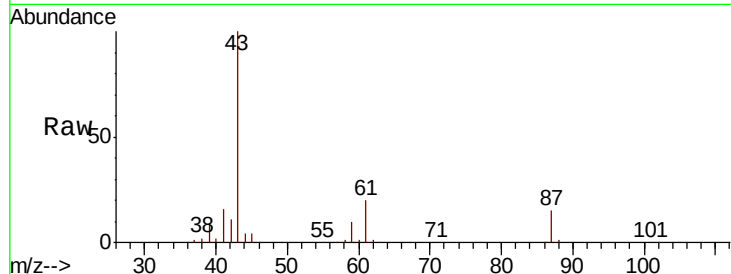
Isopropyl Acetate
 Concen: 18.05 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampled :
 VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.9	25.3
87	13.9	11.3	16.9

Manual Integrations
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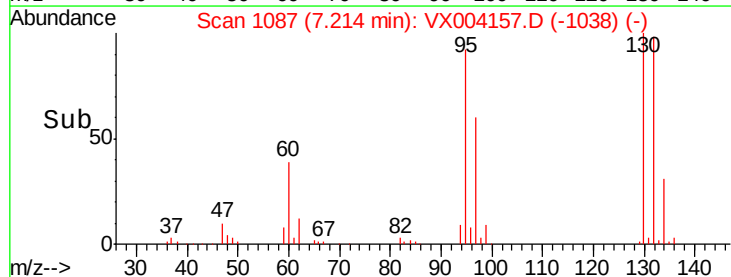
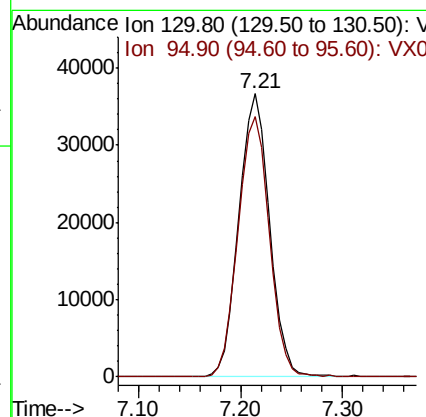
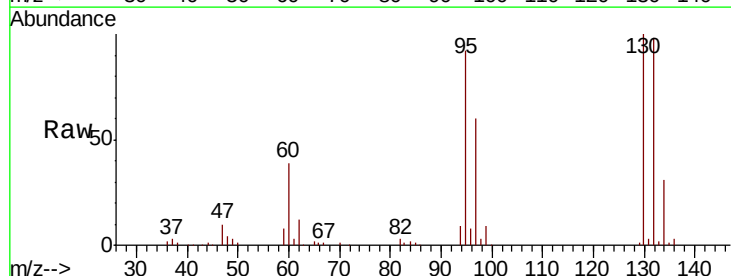
MMDadoda
 8/21/2018 11:16:54 AM

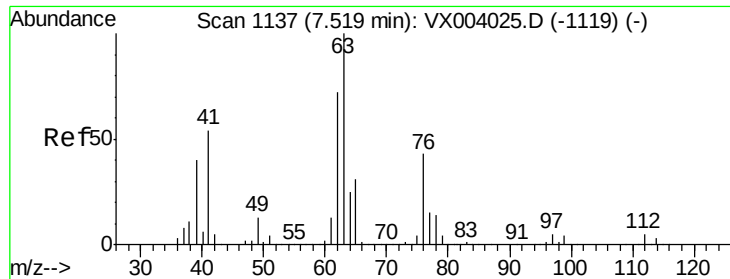


#44

Trichloroethene
 Concen: 18.62 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	199.4





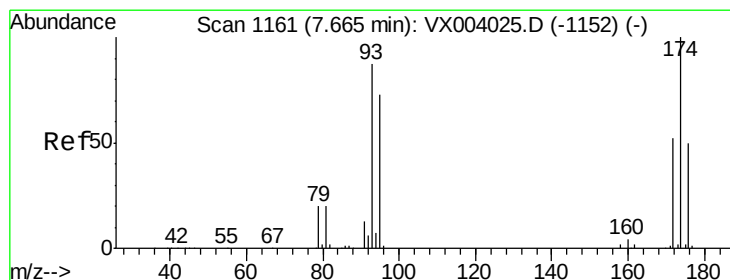
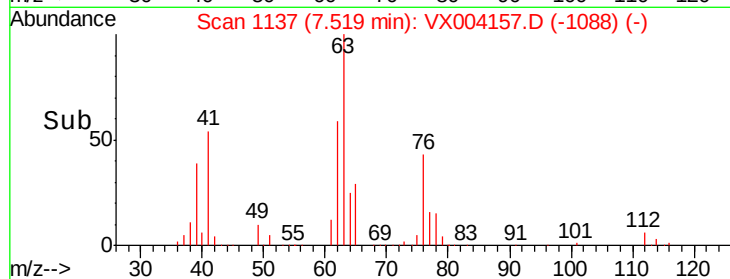
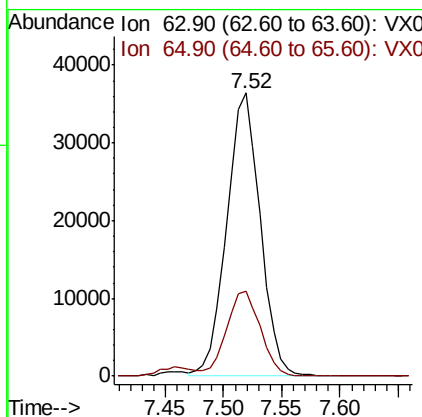
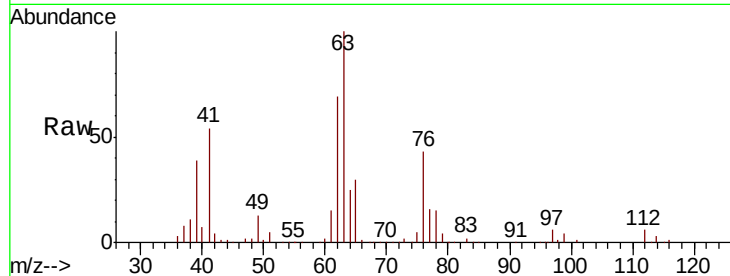
#45
 1,2-Dichloropropane
 Concen: 18.69 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion: 63 Resp: 72535
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 36.8

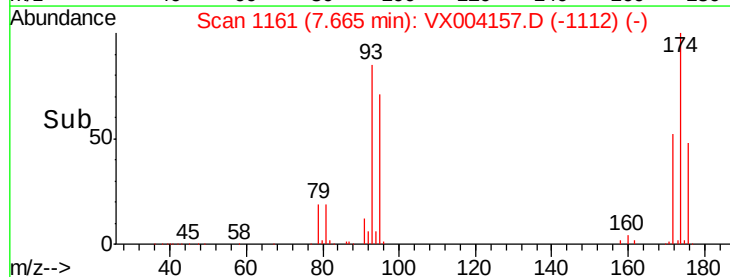
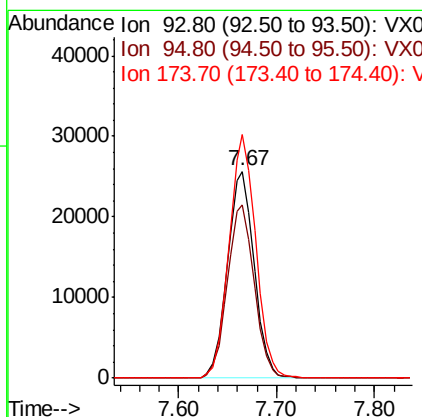
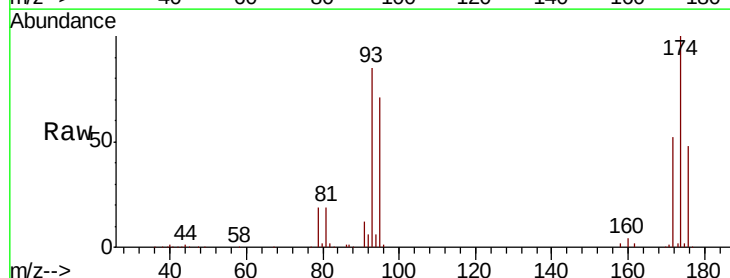
Manual Integrations
 APPROVED

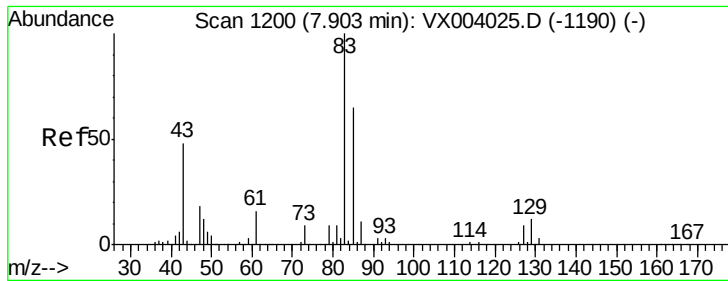
MMDadoda
 8/21/2018 11:16:54 AM



#46
 Dibromomethane
 Concen: 19.13 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion: 93 Resp: 48522
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.4 99.6
 174 117.5 94.3 141.5





#47

Bromodichloromethane

Concen: 18.93 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

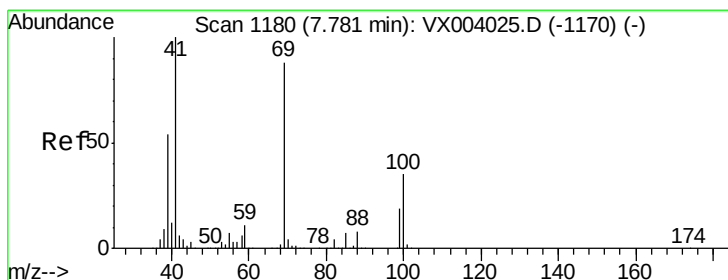
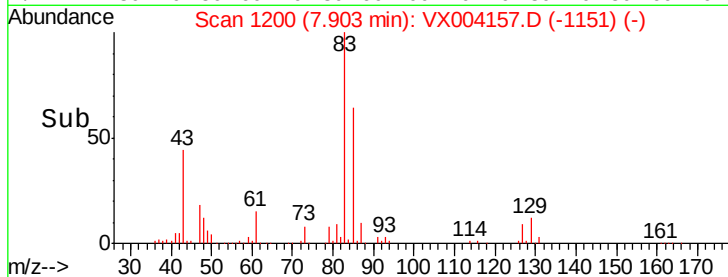
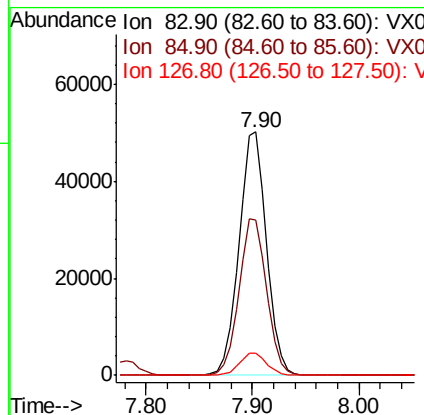
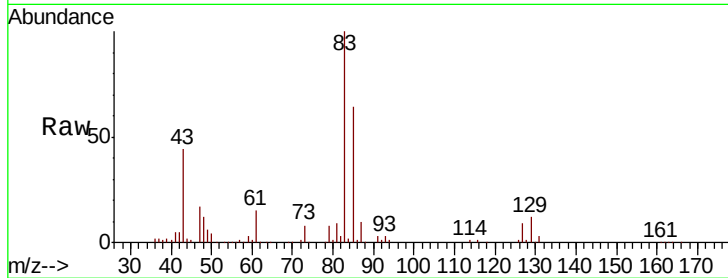
ClientSampleId :

VX0820WBSD01

Tot Ion:	83	Resp:	90943
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8
127	8.9	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/21/2018 11:16:54 AM



#48

Methyl methacrylate

Concen: 18.87 ug/l

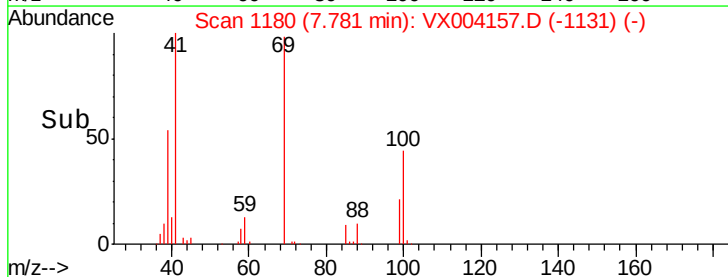
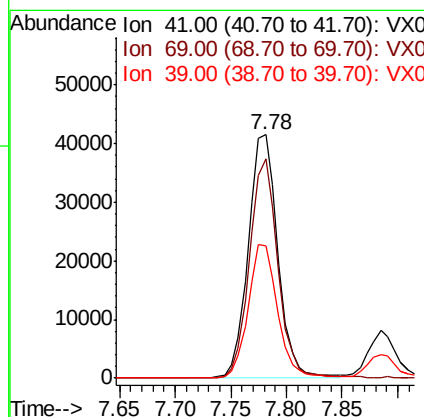
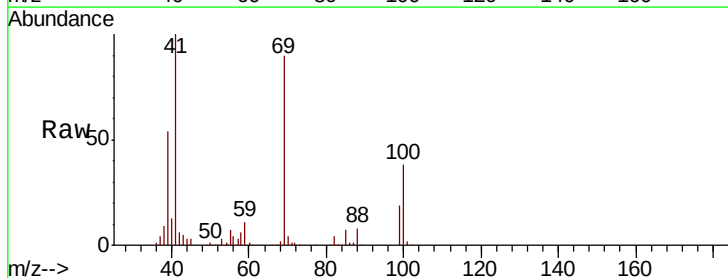
RT: 7.78 min Scan# 1180

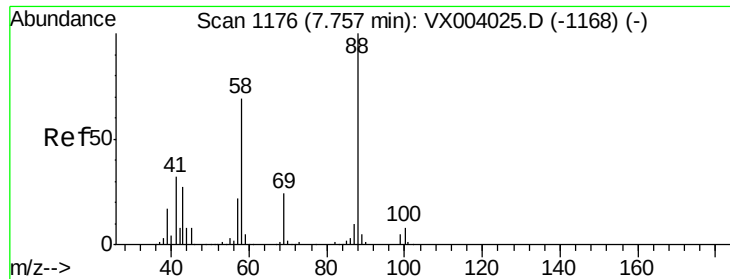
Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	41	Resp:	76973
Ion	Ratio	Lower	Upper
41	100		
69	87.1	68.8	103.2
39	54.9	42.3	63.5





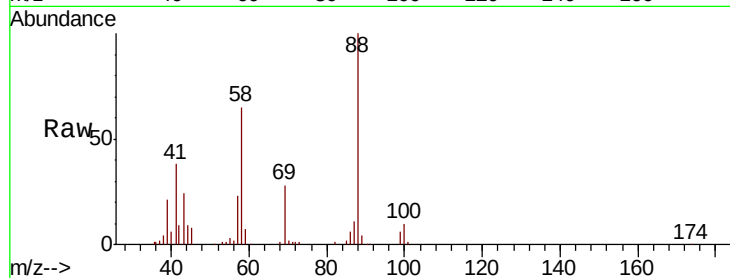
#49
1,4-Dioxane
Concen: 371.84 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	70.2	55.4	83.0

Manual Integrations
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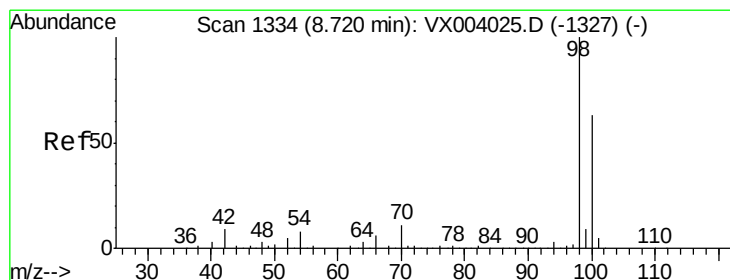
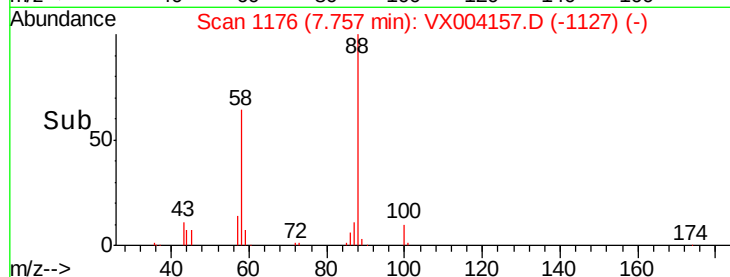
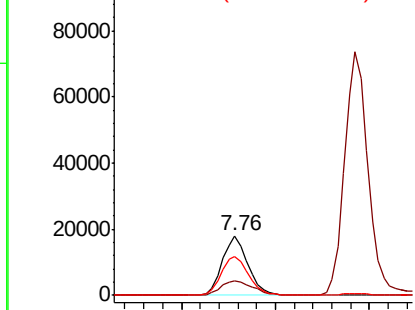


Abundance

Ion 88.00 (87.70 to 88.70): VX0

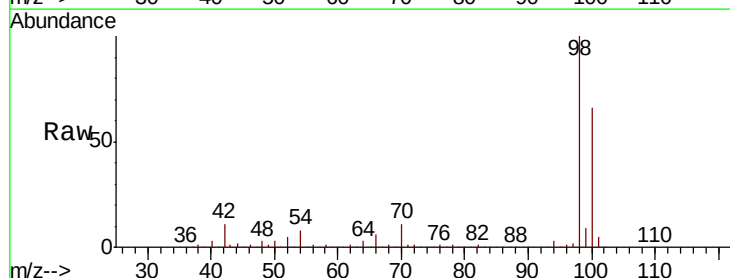
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.10 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

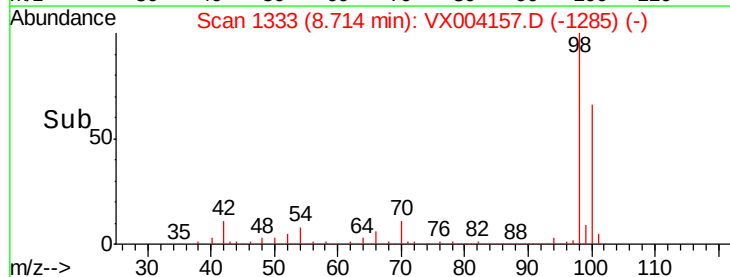
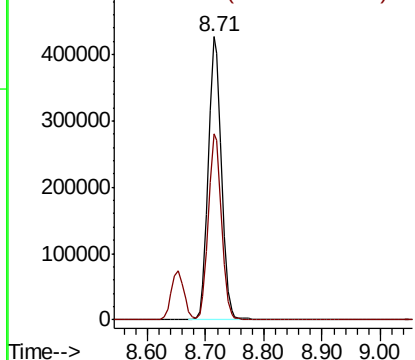
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9

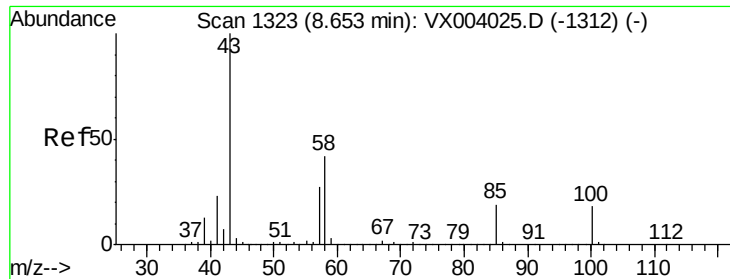


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 97.65 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 43 Resp: 648881

Ion Ratio Lower Upper

43 100

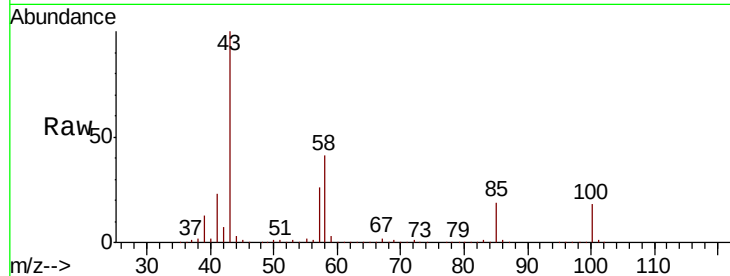
58 40.5 33.0 49.6

Manual Integrations

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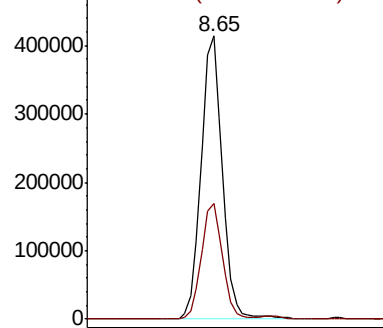
MMDadoda

8/21/2018 11:16:54 AM

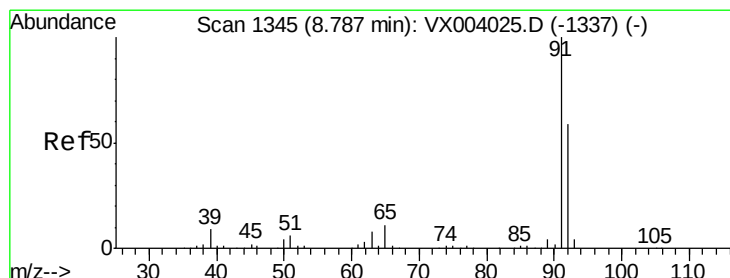
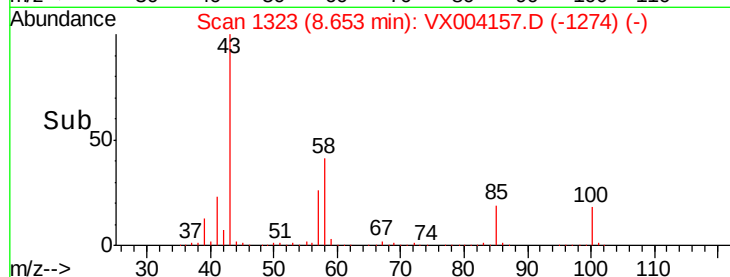


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 19.25 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004157.D

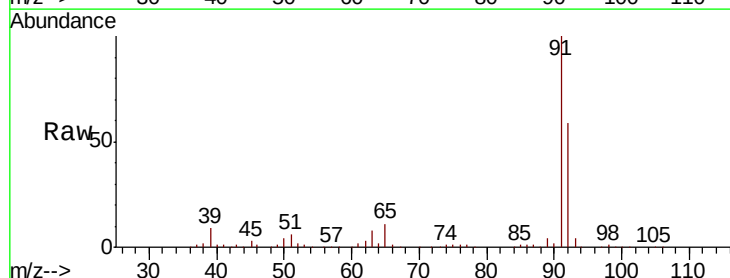
Acq: 20 Aug 2018 17:08

Tgt Ion: 92 Resp: 184610

Ion Ratio Lower Upper

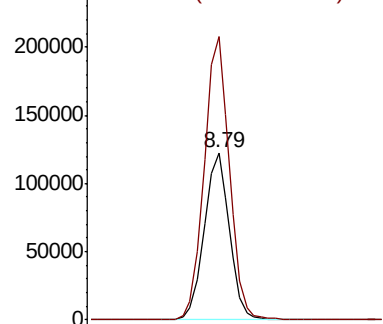
92 100

91 169.9 136.1 204.1

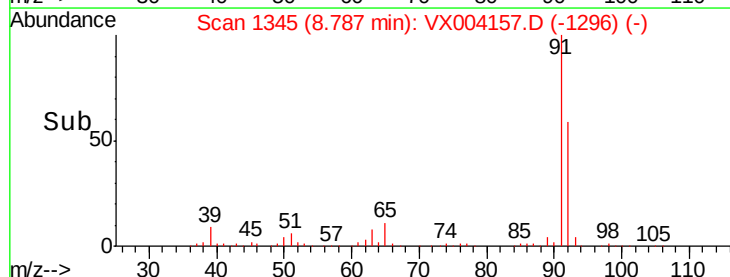


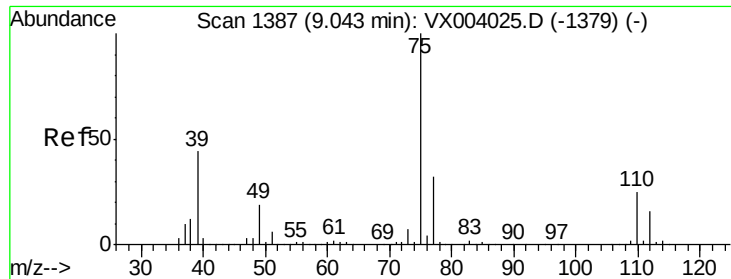
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





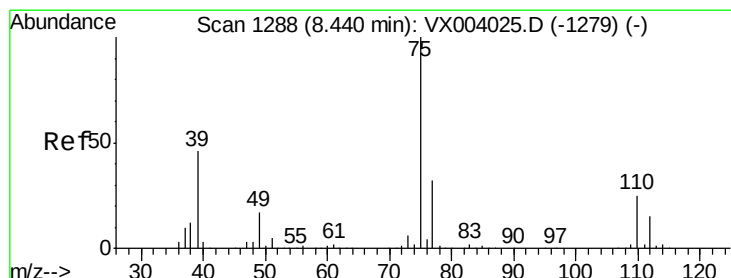
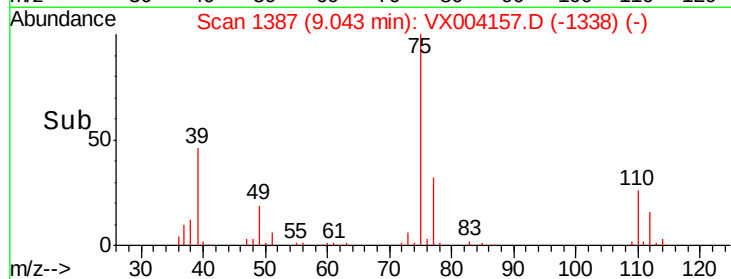
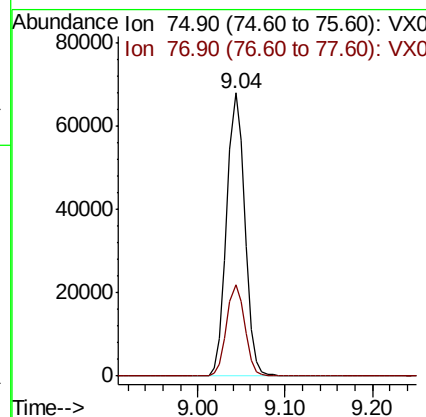
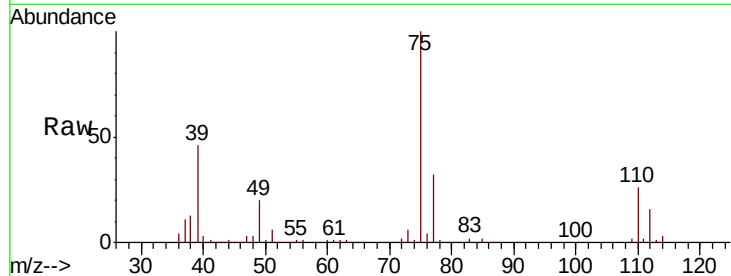
#53
t-1,3-Dichloropropene
Concen: 18.81 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion: 75 Resp: 97612
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7

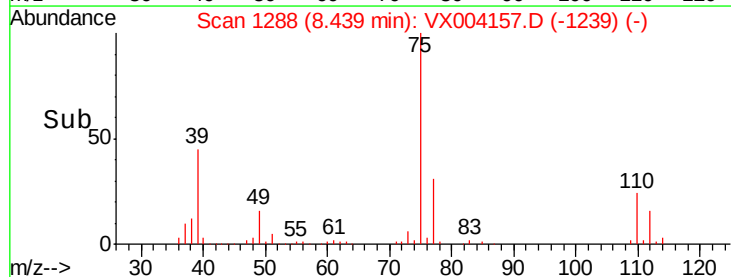
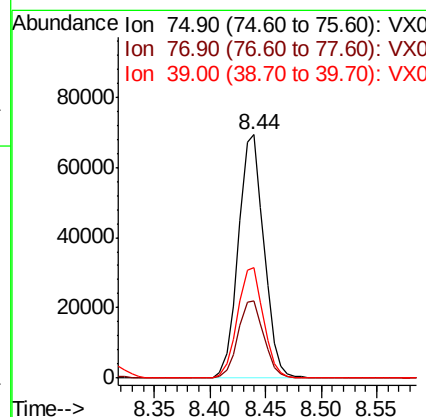
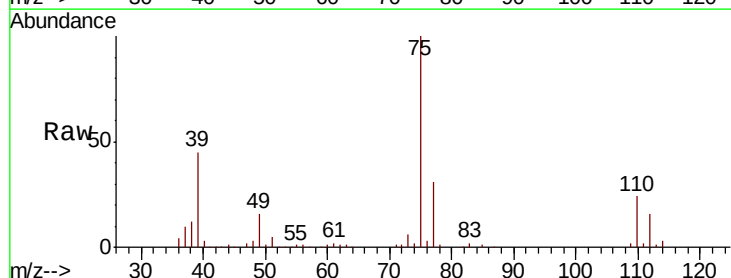
Manual Integrations
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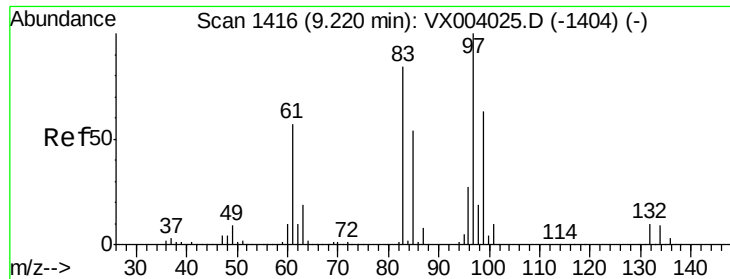
MMDadoda
8/21/2018 11:16:54 AM



#54
cis-1,3-Dichloropropene
Concen: 19.19 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion: 75 Resp: 110276
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 45.0 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 19.13 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

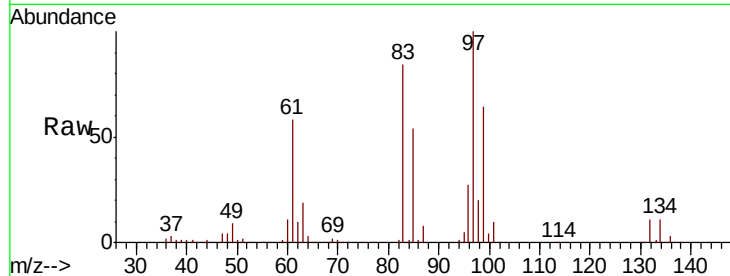
ClientSampleId :

VX0820WBSD01

Tot Ion:	97	Resp:	75753
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.8	101.6
85	54.5	44.2	66.2
99	63.9	50.8	76.2

Manual Integrations
APPROVED

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8/21/2018 11:16:54 AM



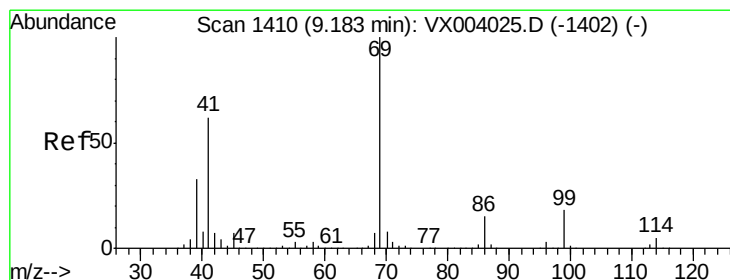
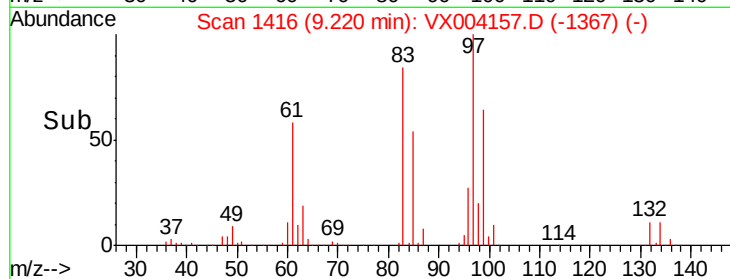
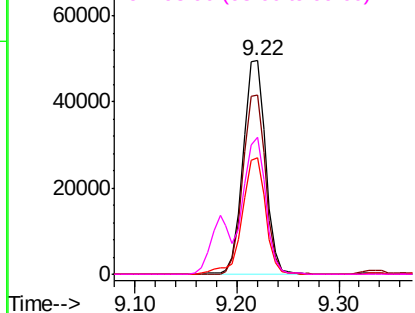
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.73 ug/l

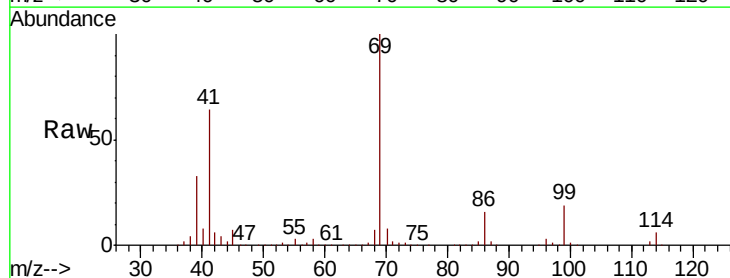
RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	69	Resp:	100875
Ion	Ratio	Lower	Upper
69	100		
41	64.0	50.6	76.0
39	32.9	25.8	38.6

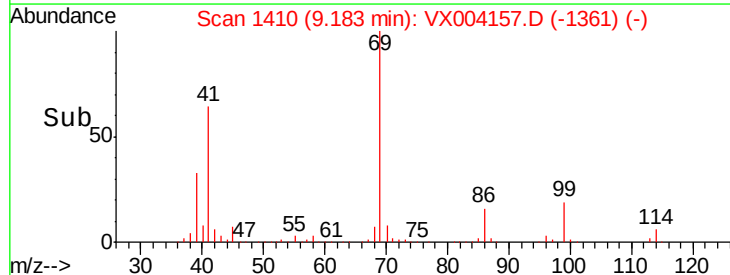
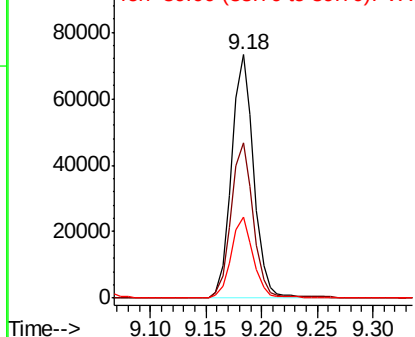


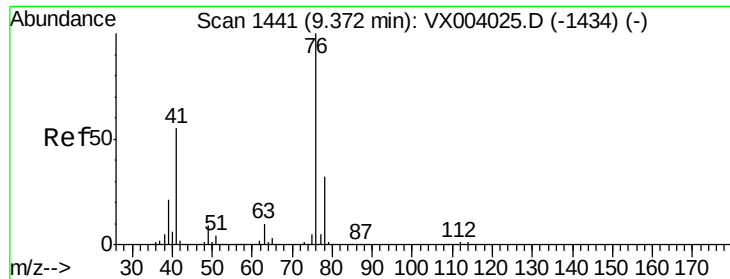
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.15 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 76 Resp: 125838

Ion Ratio Lower Upper

76 100

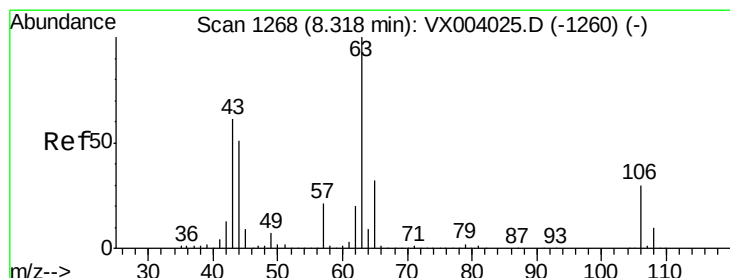
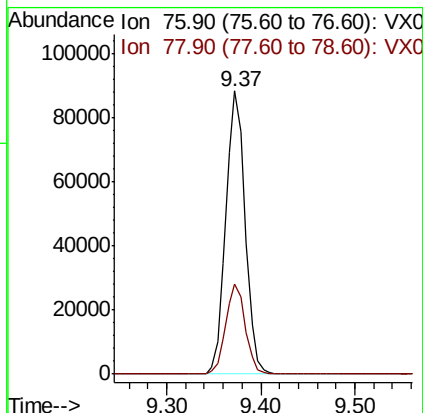
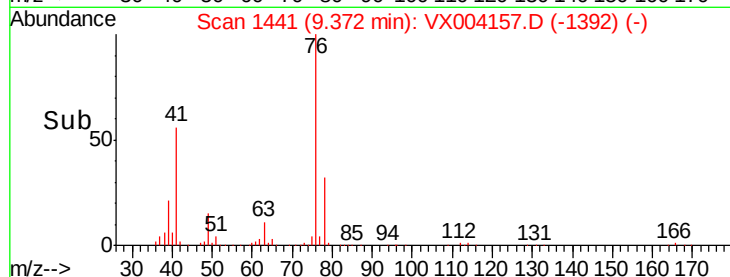
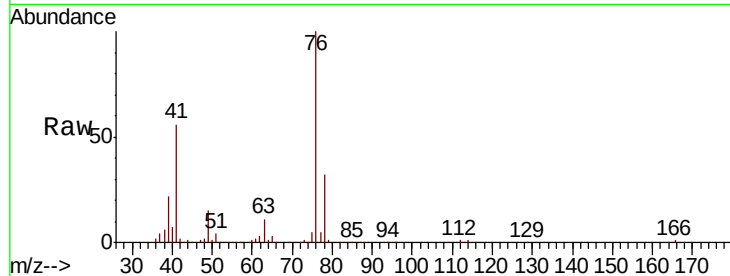
78 32.1 25.9 38.9

Manual Integrations

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8/21/2018 11:16:54 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.61 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004157.D

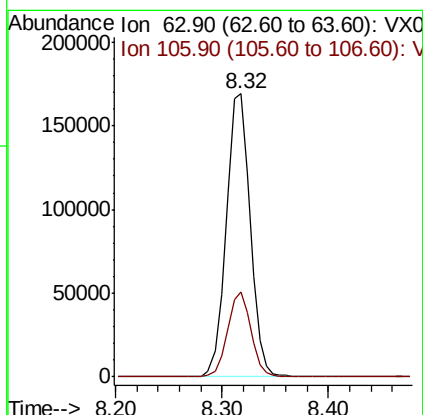
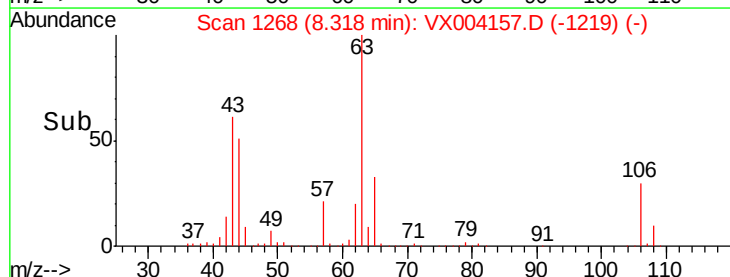
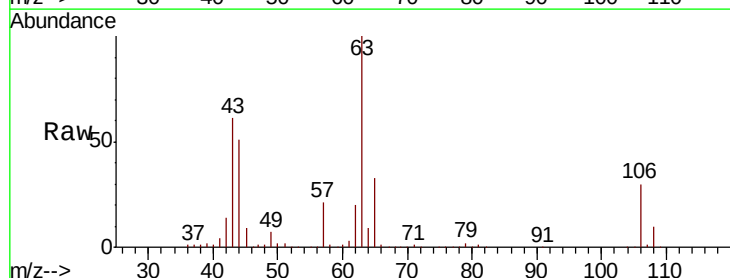
Acq: 20 Aug 2018 17:08

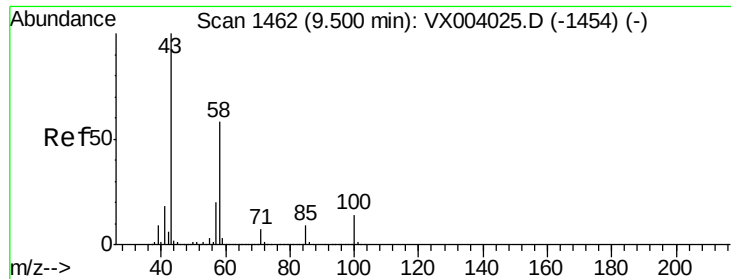
Tgt Ion: 63 Resp: 267635

Ion Ratio Lower Upper

63 100

106 29.3 23.8 35.8





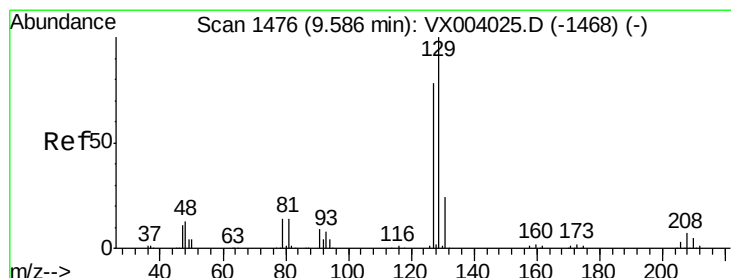
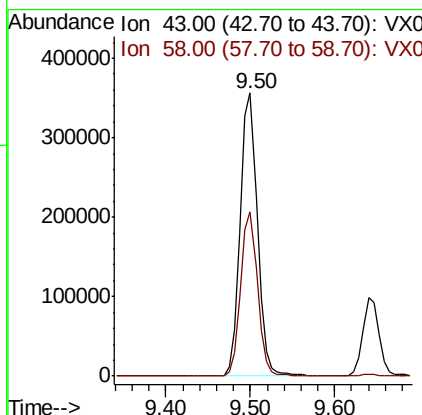
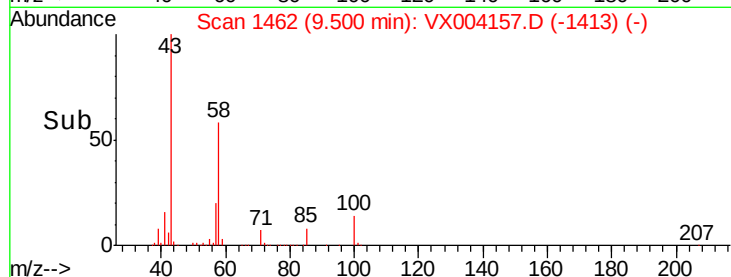
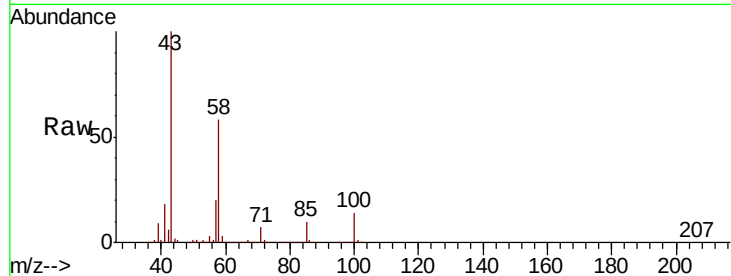
#59
2-Hexanone
Concen: 97.17 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	29.0	87.0

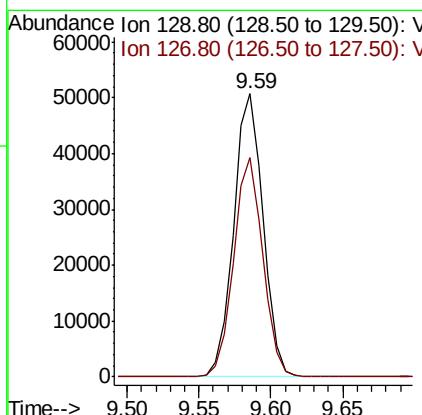
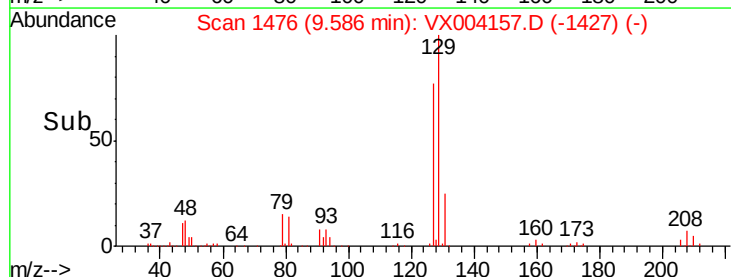
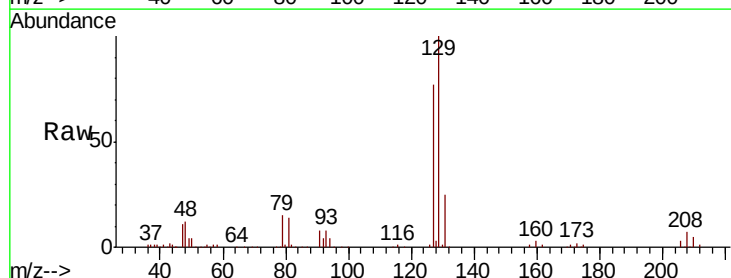
Manual Integrations
APPROVED

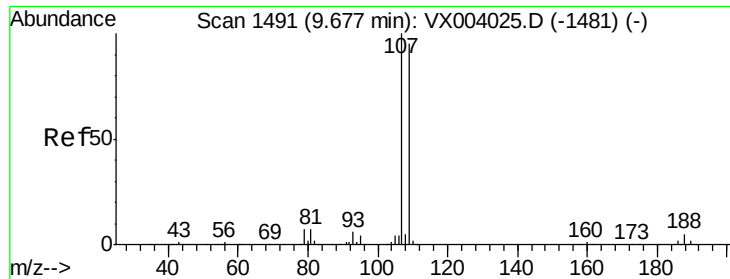
MMDadoda
8/21/2018 11:16:54 AM



#60
Dibromochloromethane
Concen: 18.94 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.8	116.3





#61

1,2-Dibromoethane

Concen: 19.08 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion:107 Resp: 77007

Ion Ratio Lower Upper

107 100

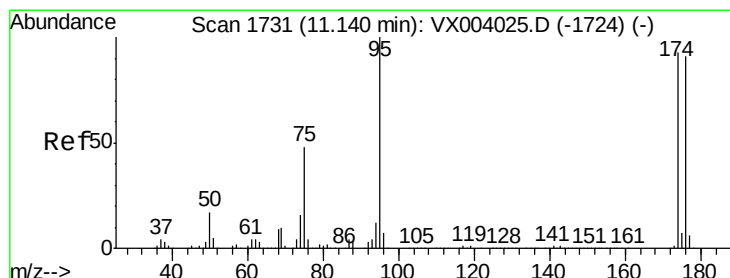
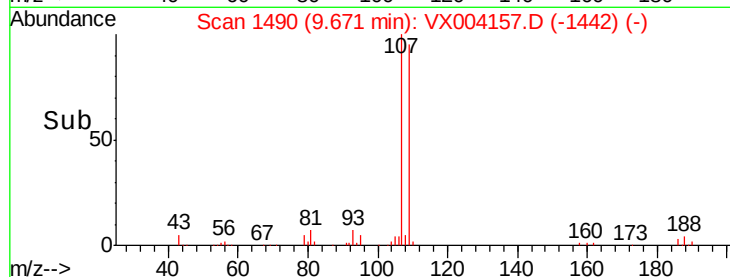
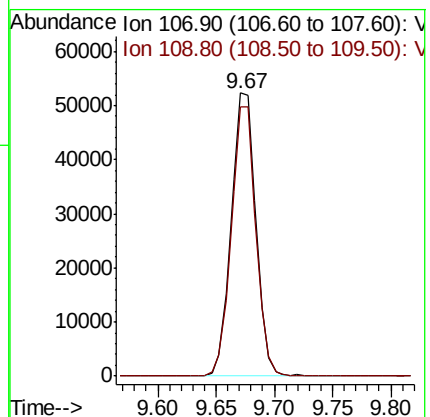
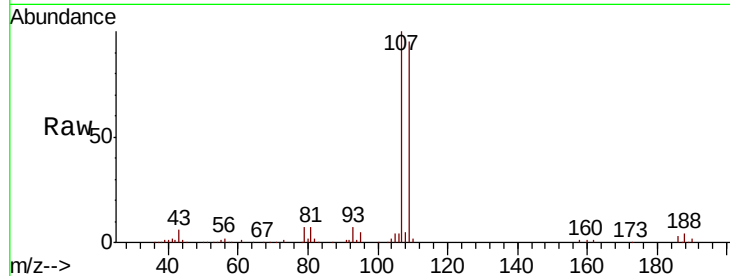
109 95.1 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/21/2018 11:16:54 AM



#62

4-Bromofluorobenzene

Concen: 49.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

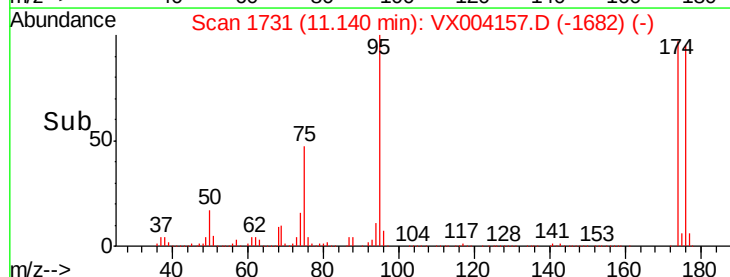
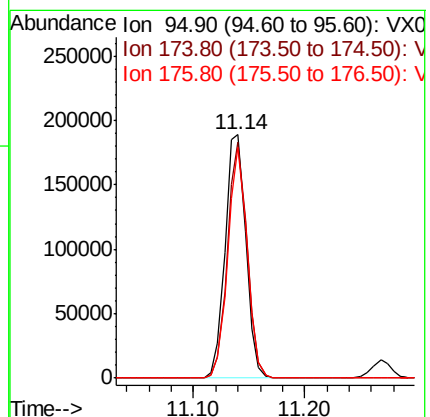
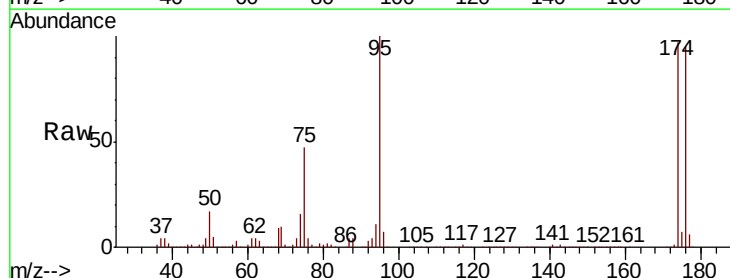
Tgt Ion: 95 Resp: 244116

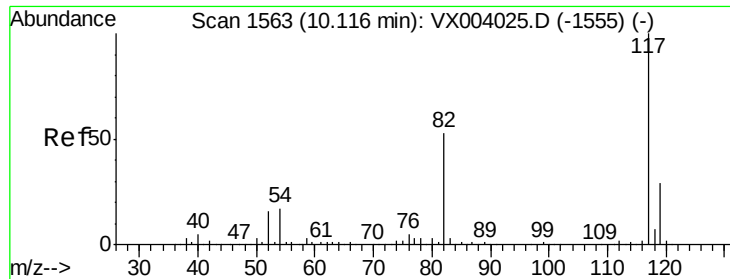
Ion Ratio Lower Upper

95 100

174 91.4 0.0 182.8

176 88.0 0.0 179.0





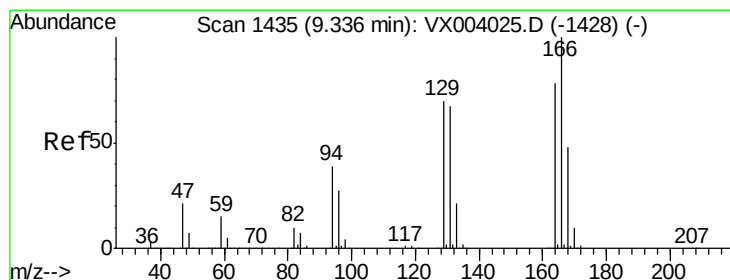
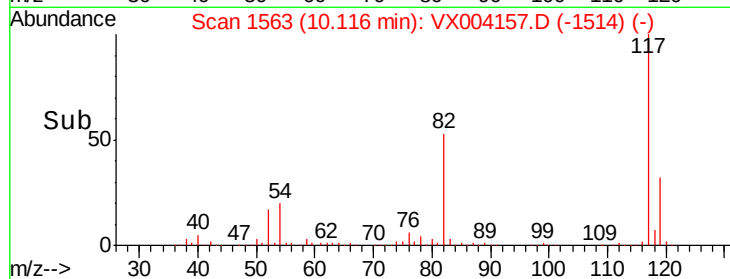
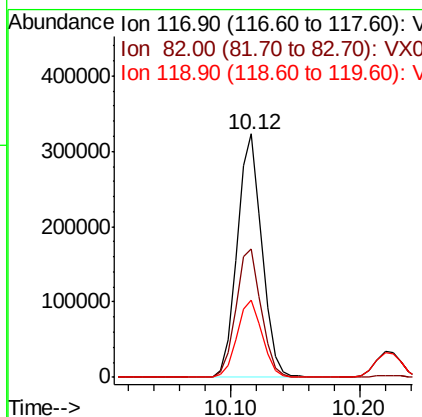
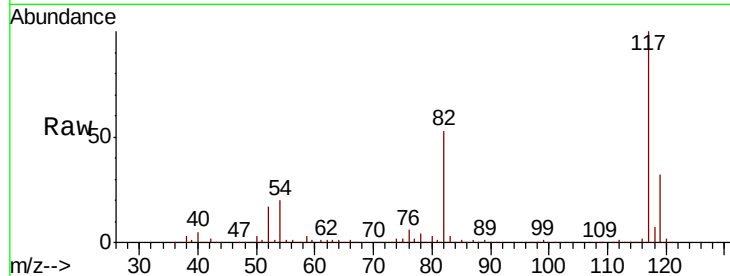
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.4	68.0
119	31.6	26.6	40.0

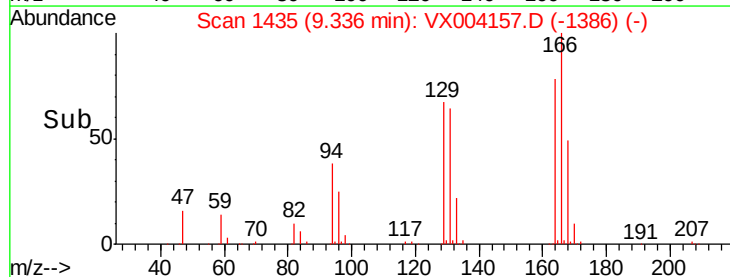
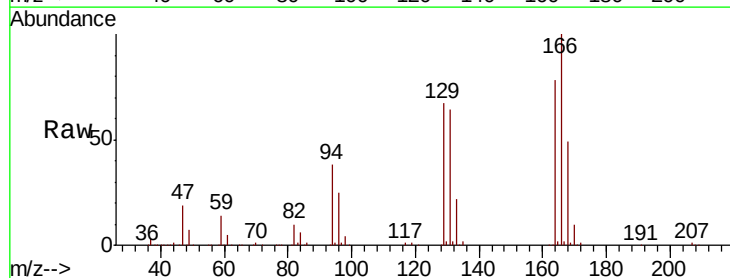
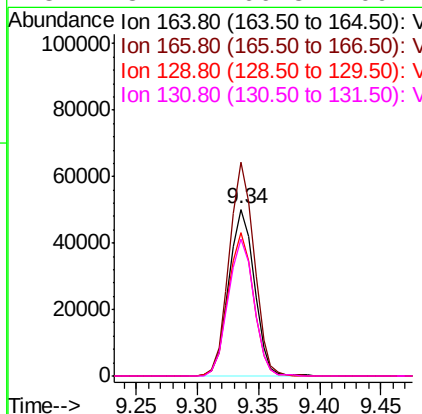
Manual Integrations
APPROVED

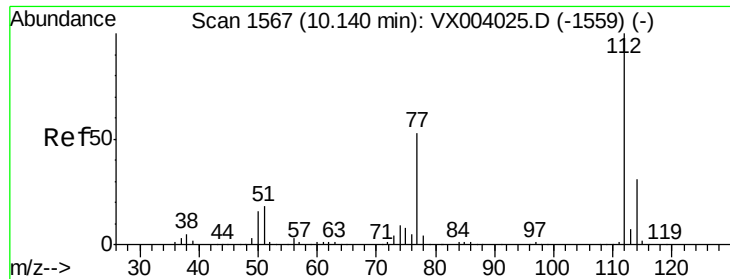
MMDadoda
8/21/2018 11:16:54 AM



#64
Tetrachloroethene
Concen: 17.78 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	98.0	147.0
129	86.3	64.3	96.5
131	82.1	66.8	100.2





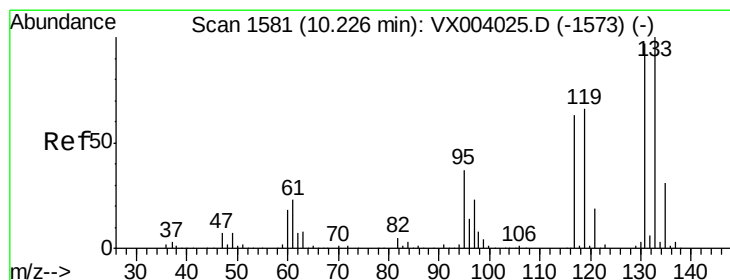
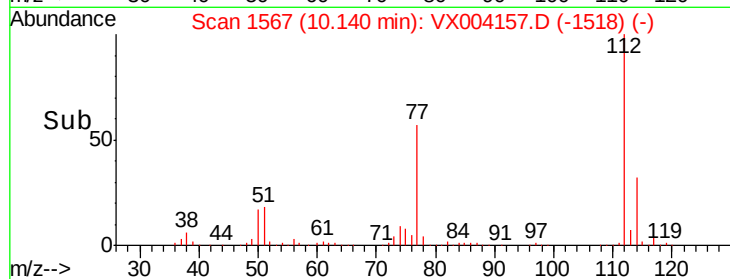
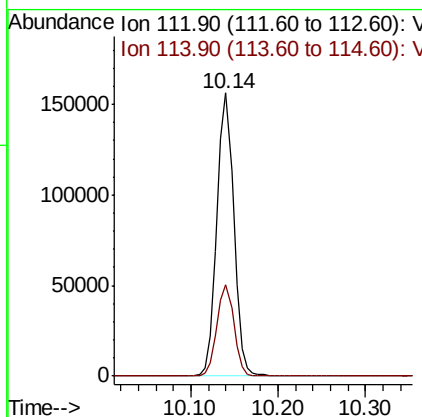
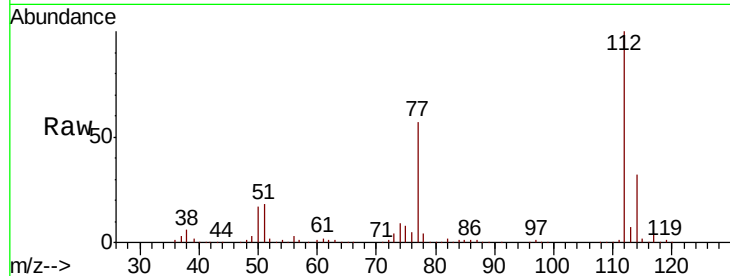
#65
Chlorobenzene
Concen: 18.90 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampled :
VX0820WBSD01

Tot Ion:112 Resp: 209440
Ion Ratio Lower Upper
112 100
114 32.5 23.6 35.4

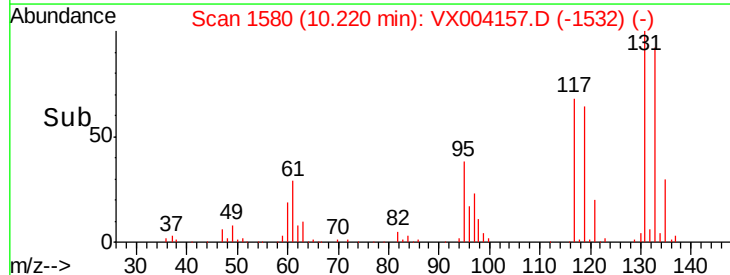
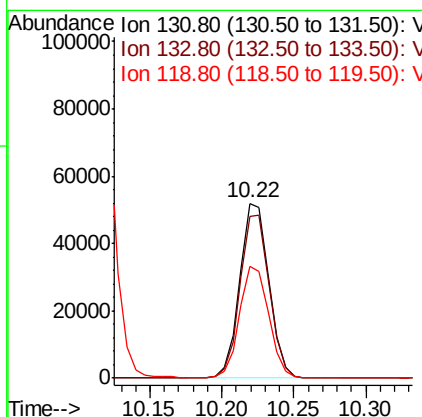
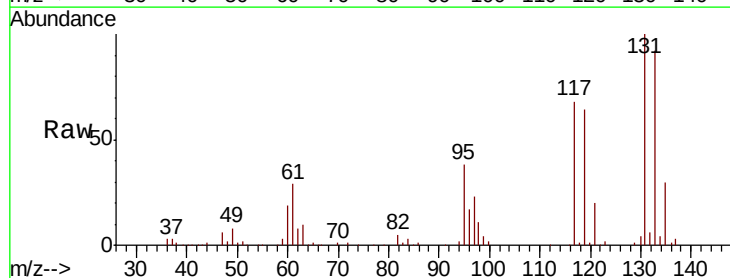
Manual Integrations
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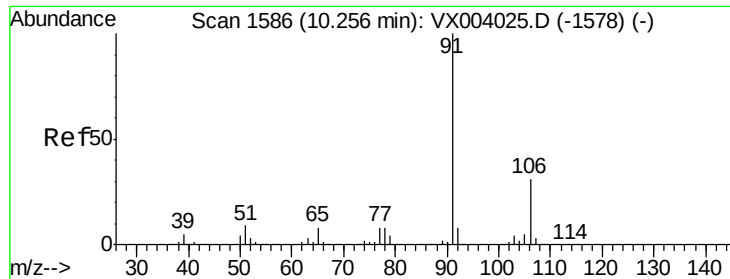
MMDadoda
8/21/2018 11:16:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.34 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion:131 Resp: 73102
Ion Ratio Lower Upper
131 100
133 93.7 47.3 141.8
119 64.2 31.6 94.8





#67

Ethyl Benzene

Concen: 19.11 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 91 Resp: 335284

Ion Ratio Lower Upper

91 100

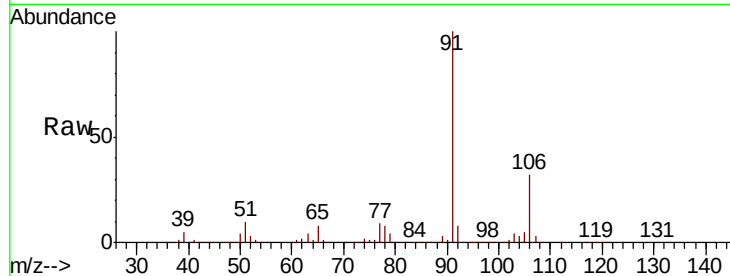
106 31.5 25.9 38.9

Manual Integrations

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8/21/2018 11:16:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX004025.D (-1578) (-)

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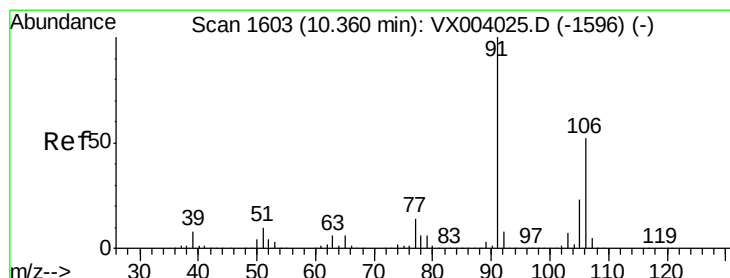
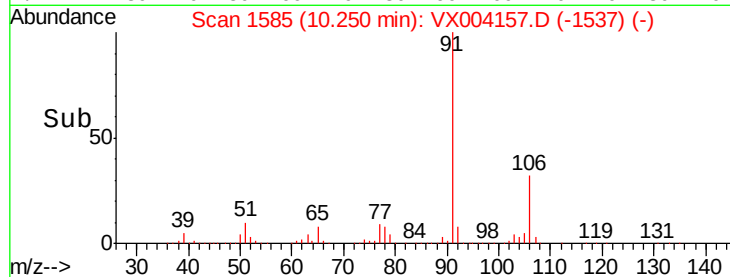
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#68

m/p-Xylenes

Concen: 39.21 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004157.D

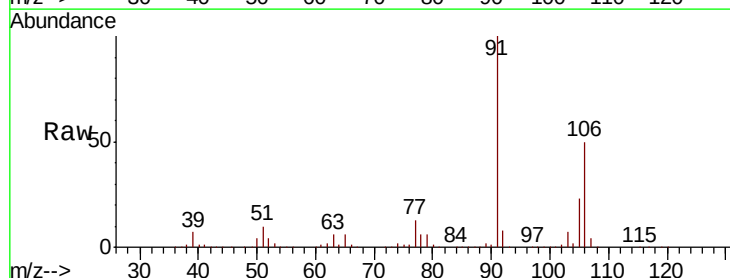
Acq: 20 Aug 2018 17:08

Tgt Ion:106 Resp: 269434

Ion Ratio Lower Upper

106 100

91 199.6 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VX004025.D (-1596) (-)

Ion 91.00 (90.70 to 91.70): VX004025.D (-1596) (-)

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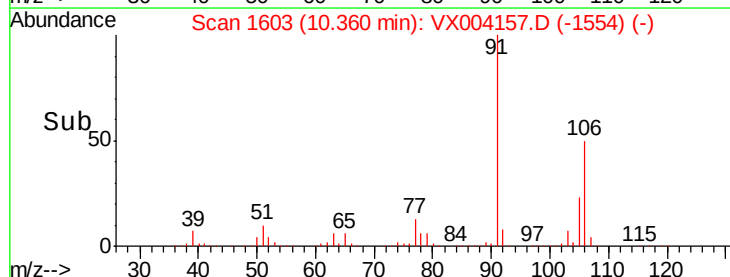
Time-->

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Abundance Ion 106.00 (105.70 to 106.70): VX004157.D (-1554) (-)

Ion 91.00 (90.70 to 91.70): VX004157.D (-1554) (-)

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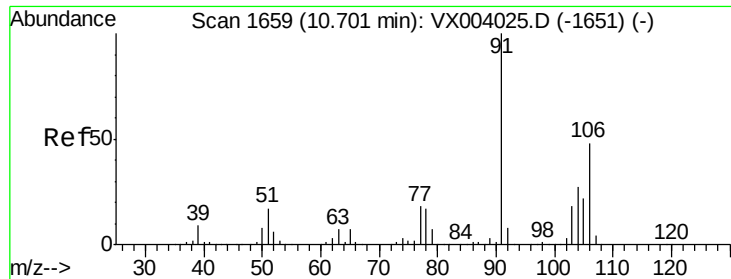
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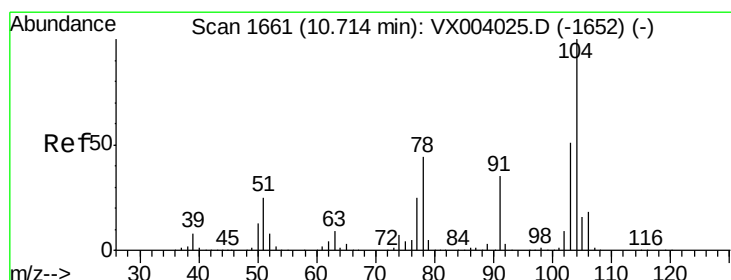
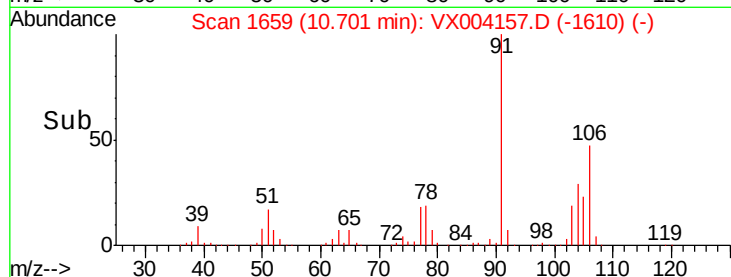
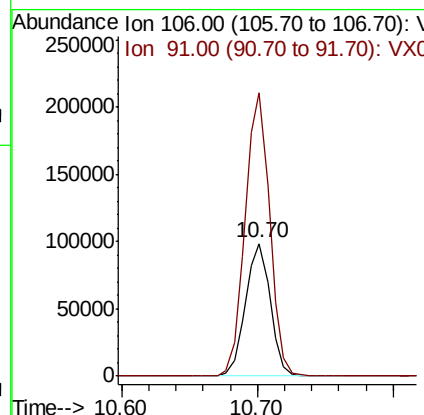
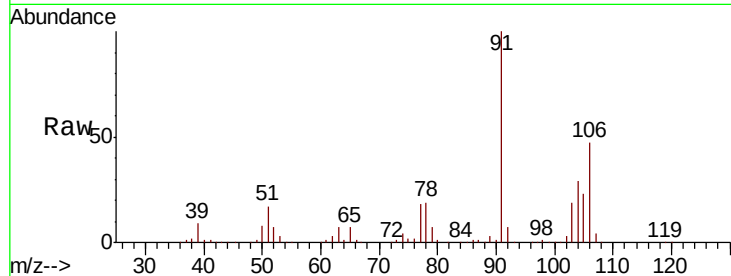
#69
o-Xylene
Concen: 19.05 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	101.9	305.7

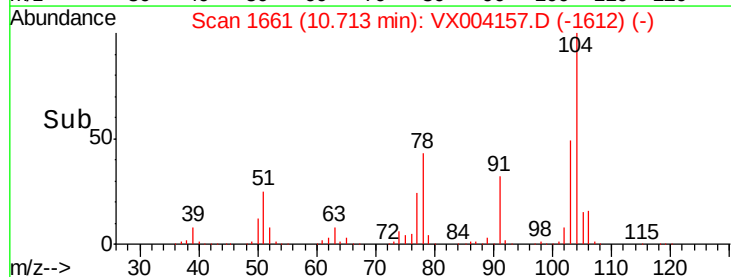
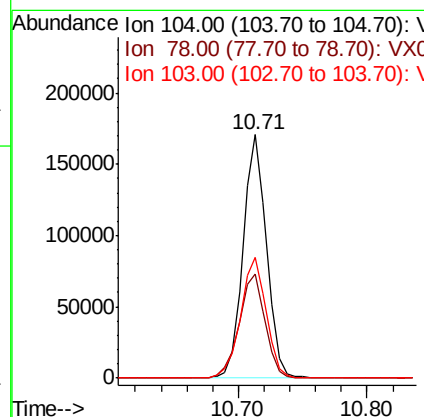
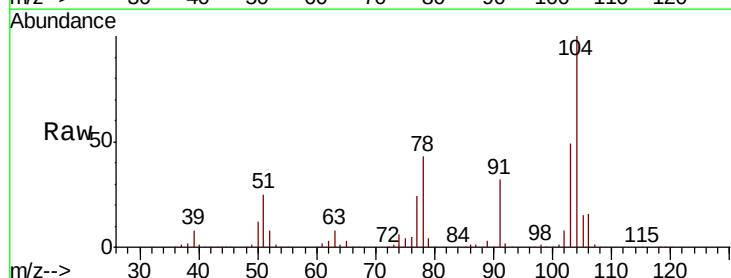
Manual Integrations
APPROVED

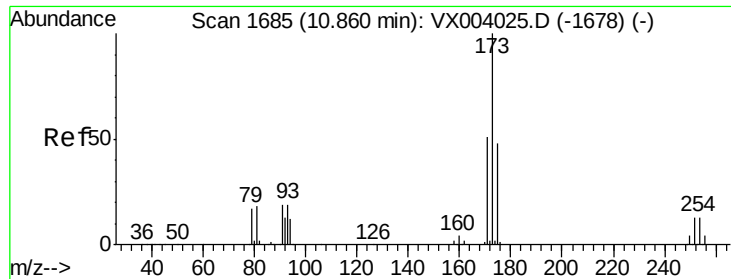
MMDadoda
8/21/2018 11:16:54 AM



#70
Styrene
Concen: 19.37 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.8	59.6
103	54.0	44.3	66.5





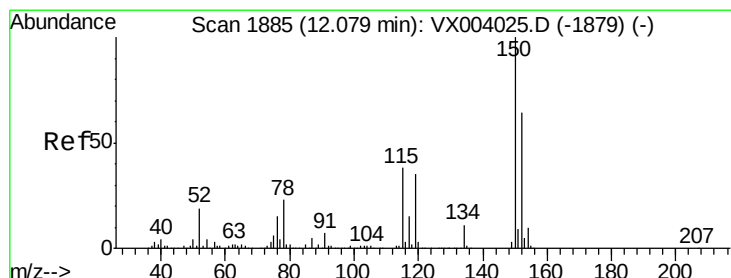
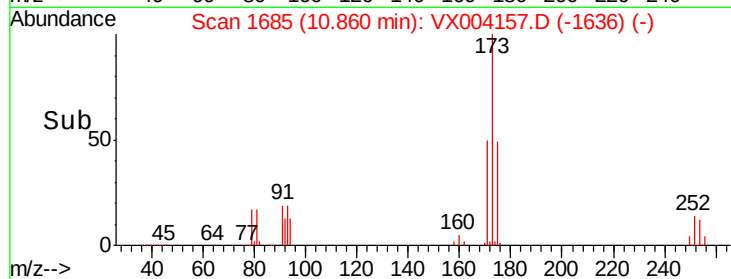
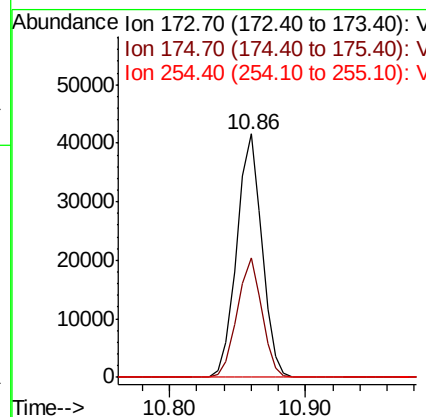
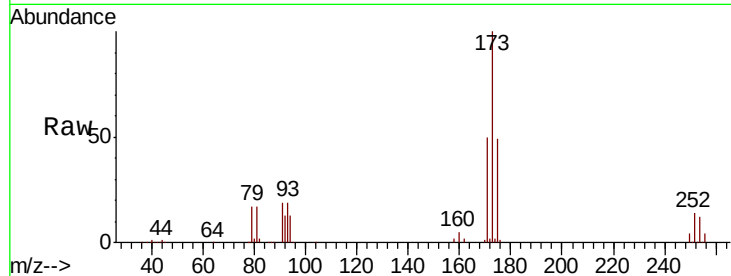
#71
Bromoform
Concen: 17.83 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.7
254	0.1	0.2	0.2#

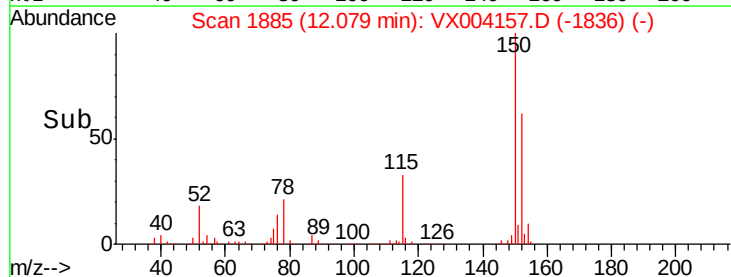
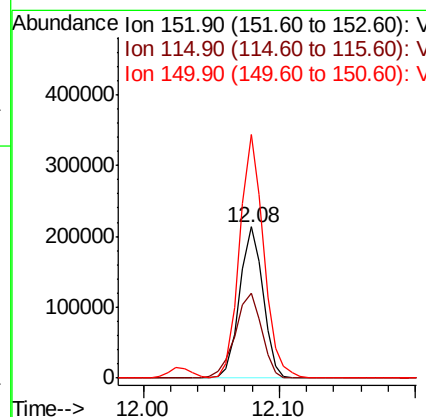
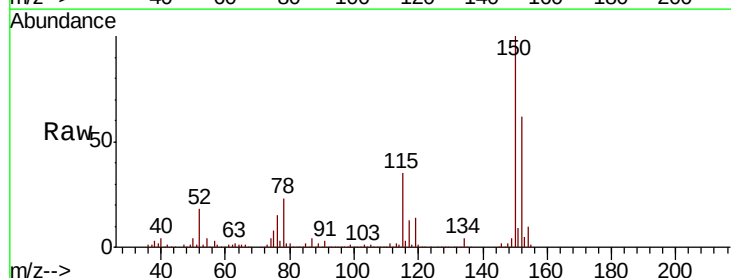
Manual Integrations
APPROVED

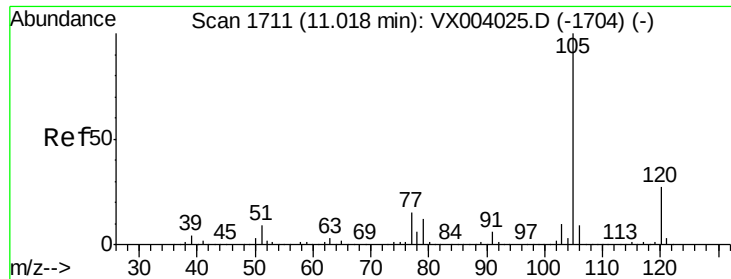
MMDadoda
8/21/2018 11:16:54 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	39.1	117.3
150	165.1	0.0	349.2





#73

Isopropylbenzene

Concen: 19.74 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 105 Resp: 341553

Ion Ratio Lower Upper

105 100

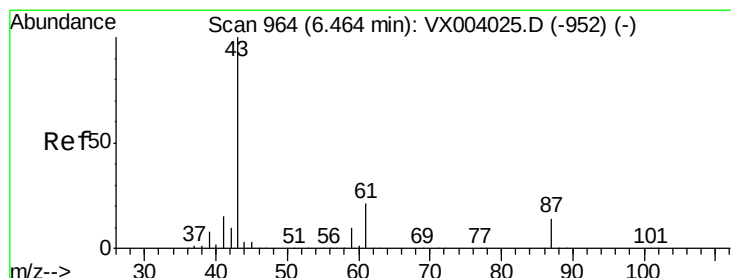
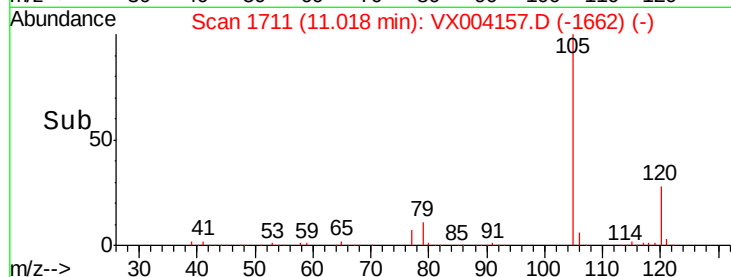
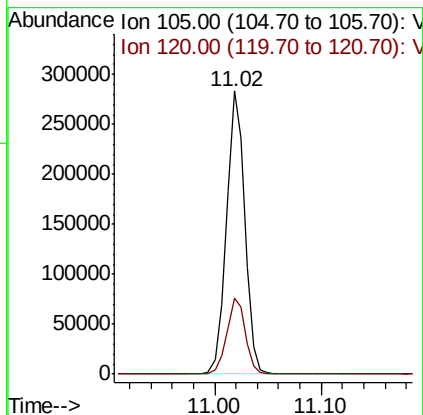
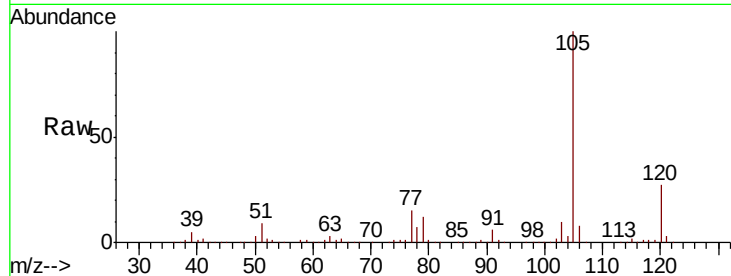
120 27.1 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

8/21/2018 11:16:54 AM



#74

N-ethyl acetate

Concen: 17.97 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion: 43 Resp: 146274

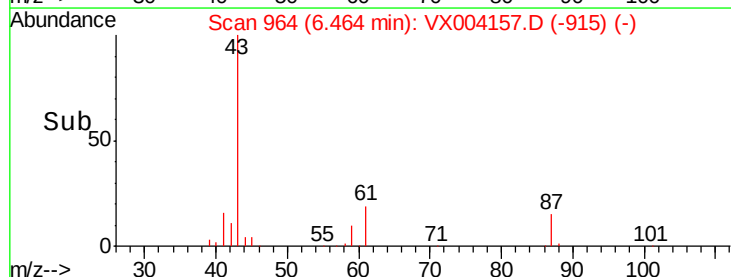
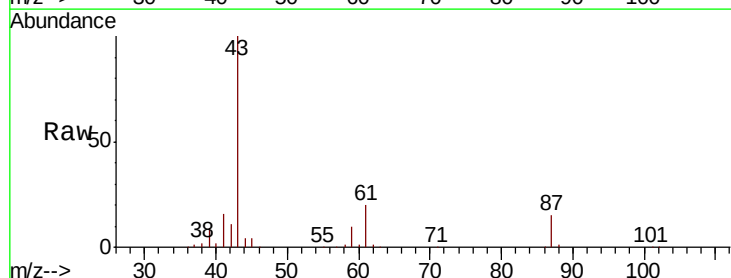
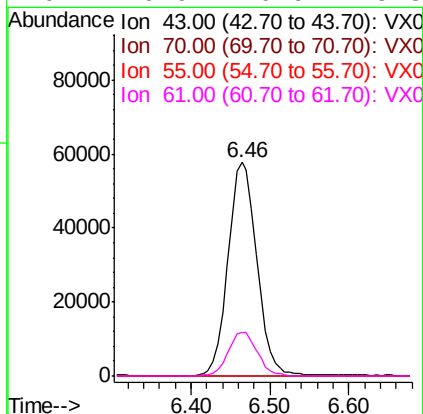
Ion Ratio Lower Upper

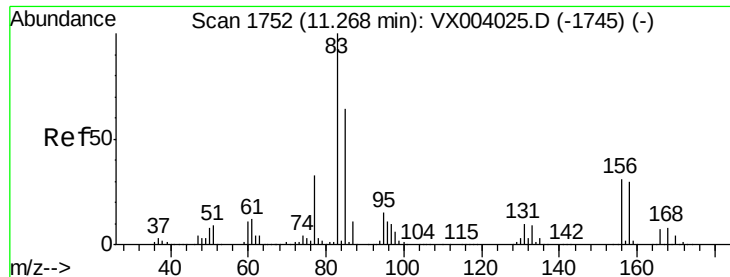
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.33 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

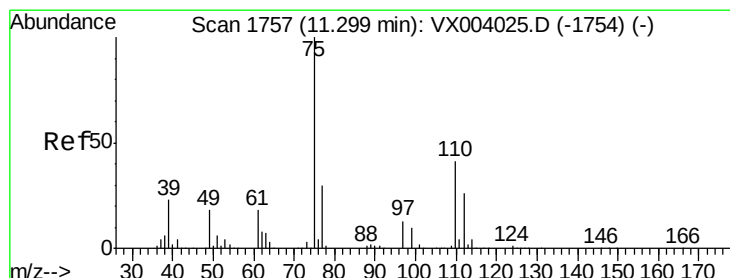
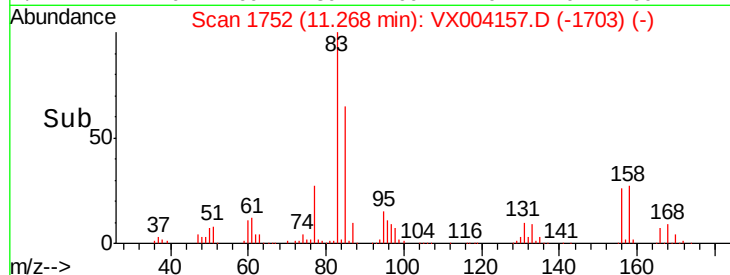
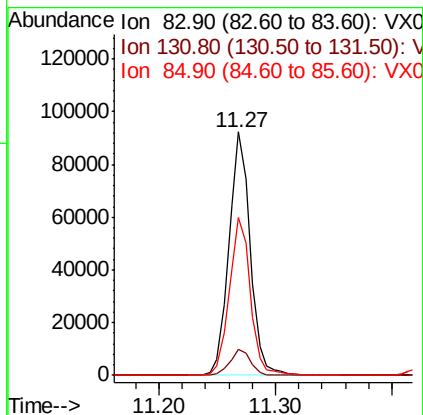
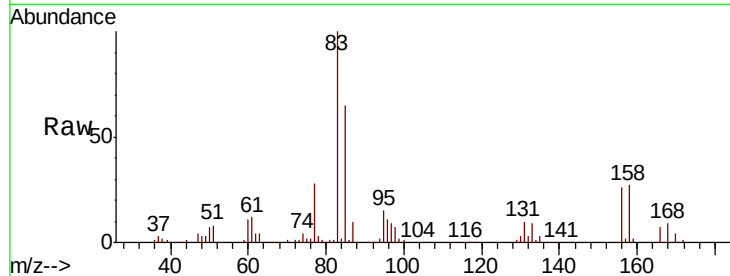
ClientSampleId :

VX0820WBSD01

Tot Ion:	83	Resp:	116789
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.5	32.2	96.6

Manual Integrations
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8/21/2018 11:16:54 AM



#76

1,2,3-Trichloropropane

Concen: 19.59 ug/l m

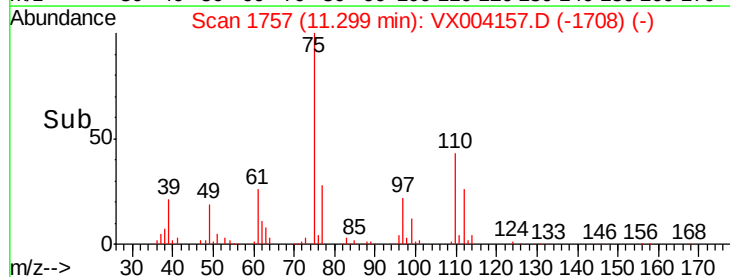
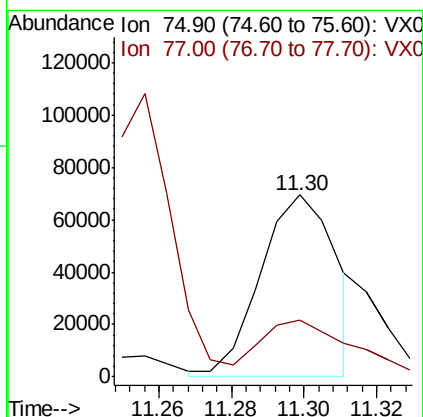
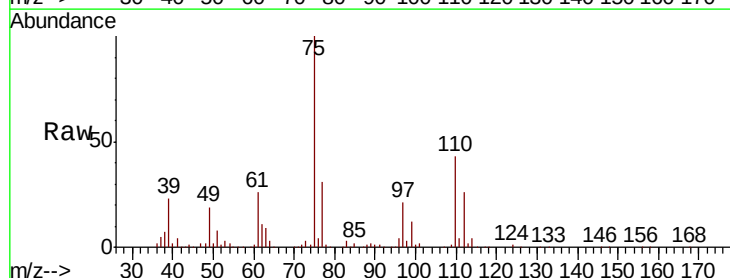
RT: 11.30 min Scan# 1757

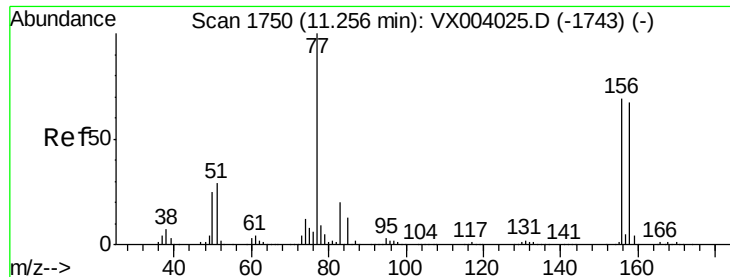
Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Tgt Ion:	75	Resp:	100468
Ion Ratio	Lower	Upper	
75	100		
77	37.6	20.8	62.5





#77

Bromobenzene

Concen: 19.41 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion:156 Resp: 92603

Ion Ratio Lower Upper

156 100

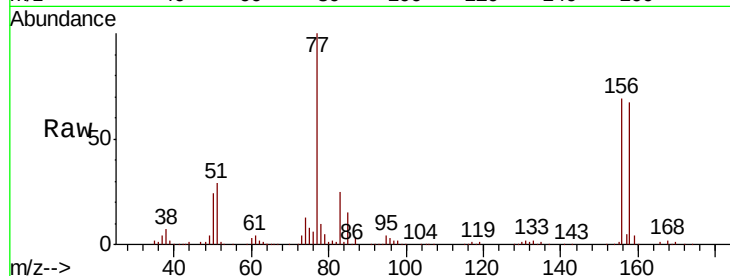
77 146.5 74.1 222.2

158 97.2 48.6 145.9

Manual Integrations
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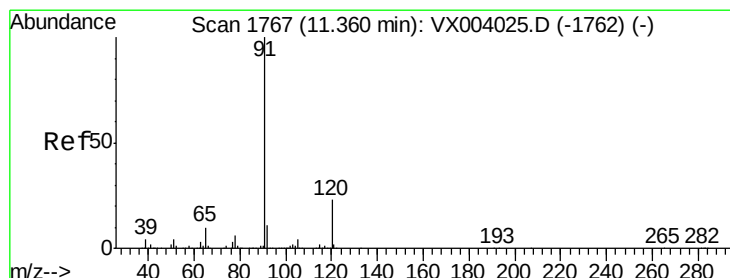
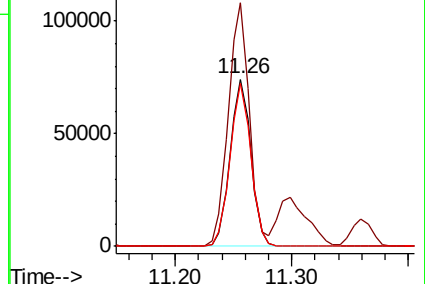
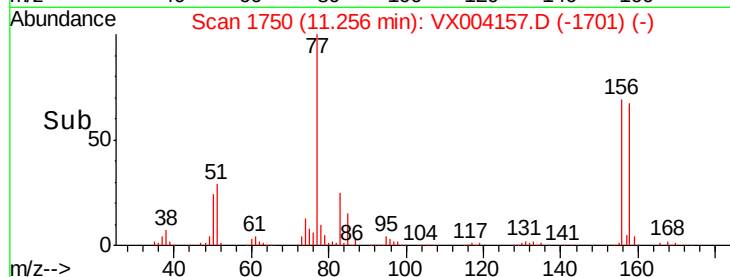
8/21/2018 11:16:54 AM



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: 19.77 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004157.D

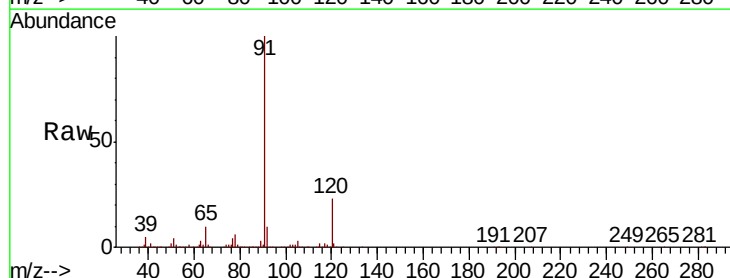
Acq: 20 Aug 2018 17:08

Tgt Ion: 91 Resp: 382896

Ion Ratio Lower Upper

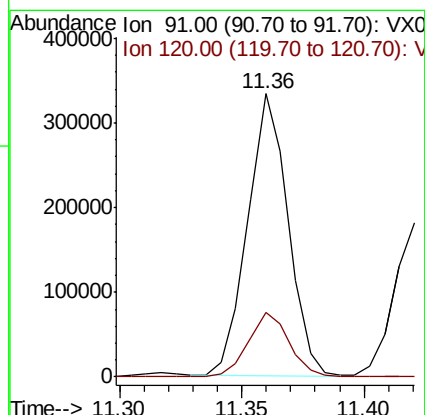
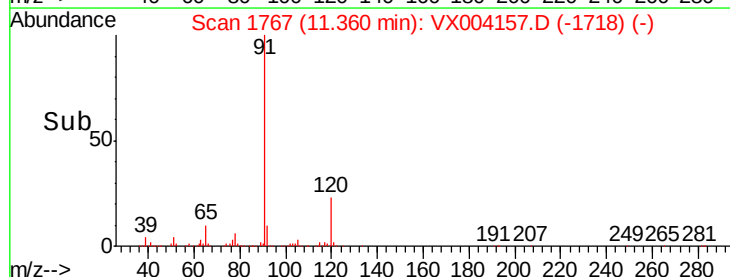
91 100

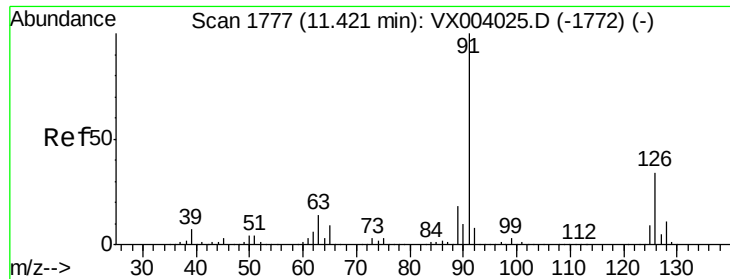
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.00 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion: 91 Resp: 224245

Ion Ratio Lower Upper

91 100

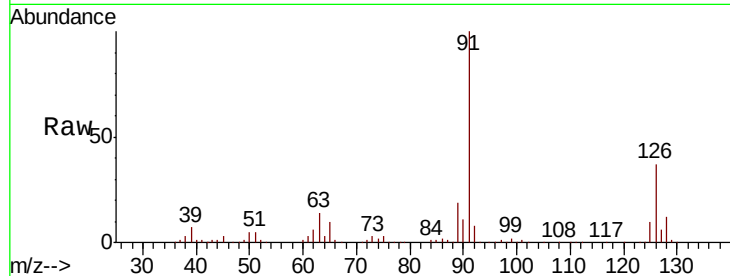
126 36.3 17.4 52.3

Manual Integrations

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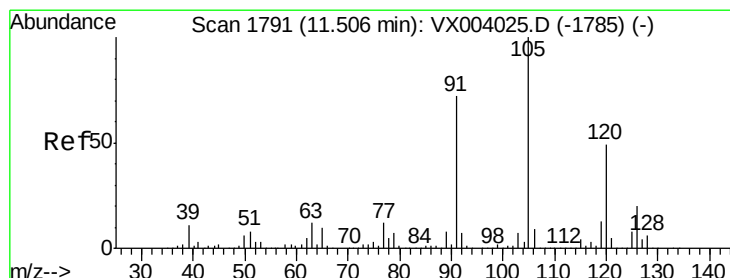
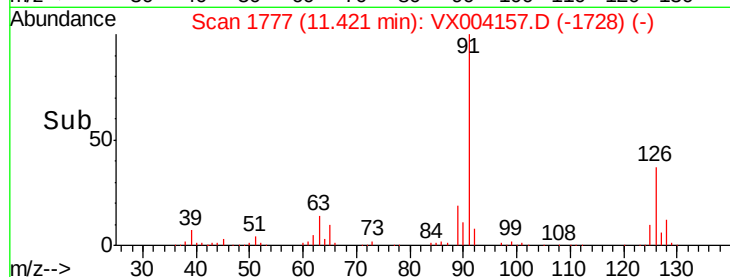
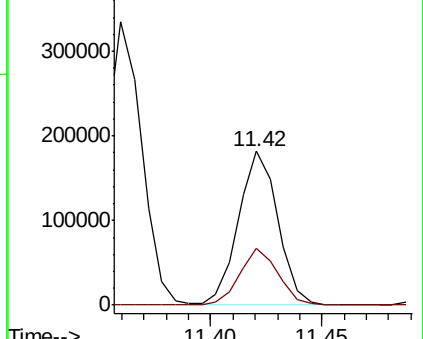
MMDadoda

8/21/2018 11:16:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.77 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004157.D

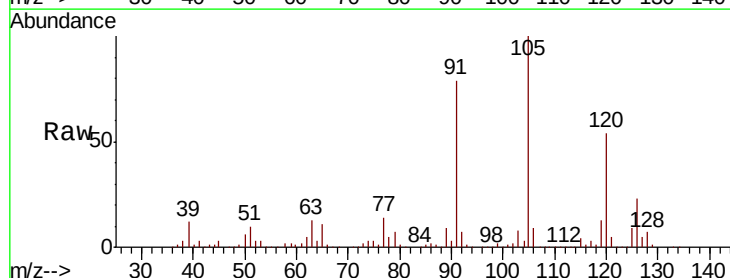
Acq: 20 Aug 2018 17:08

Tgt Ion:105 Resp: 280069

Ion Ratio Lower Upper

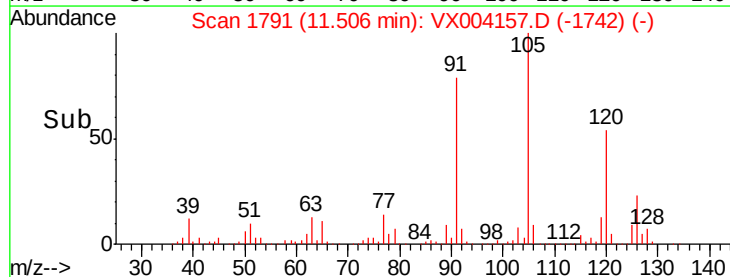
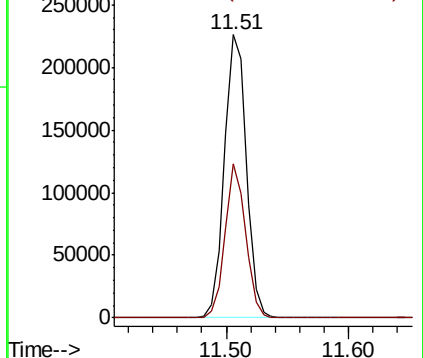
105 100

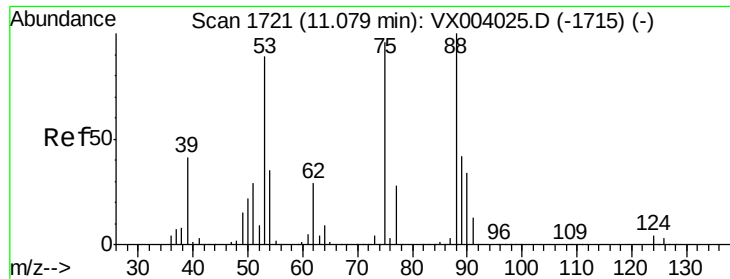
120 50.9 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





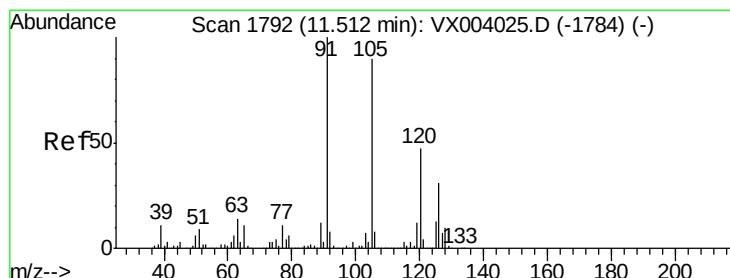
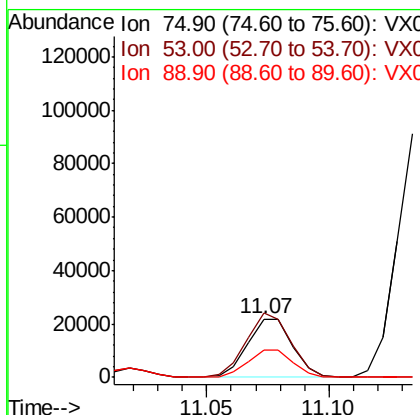
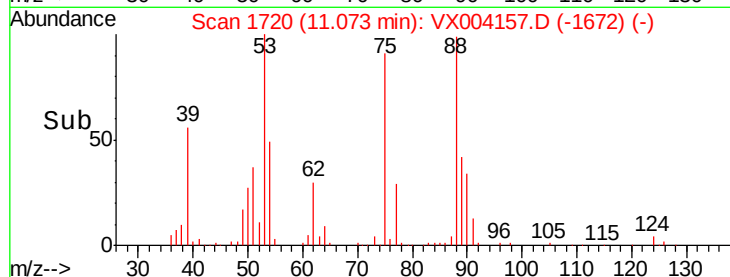
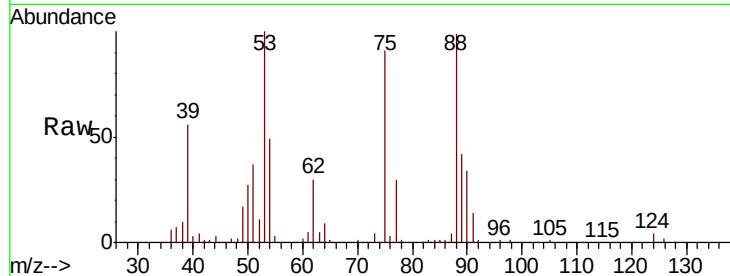
#81
trans-1,4-Dichloro-2-butene
Concen: 17.06 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	80.3	120.5
89	46.4	37.8	56.8

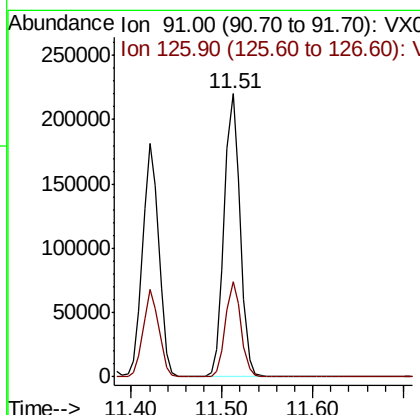
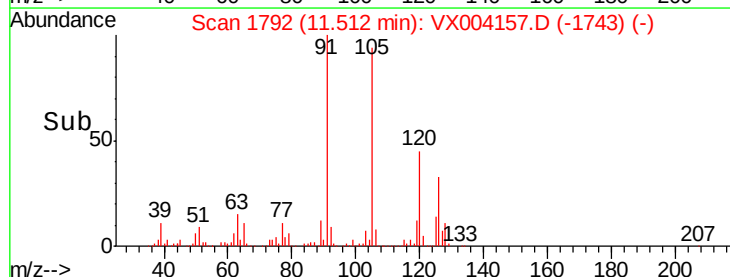
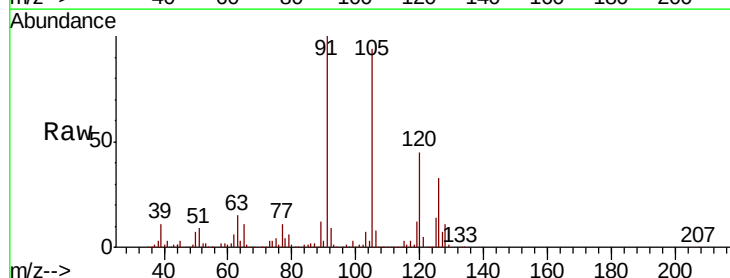
Manual Integrations
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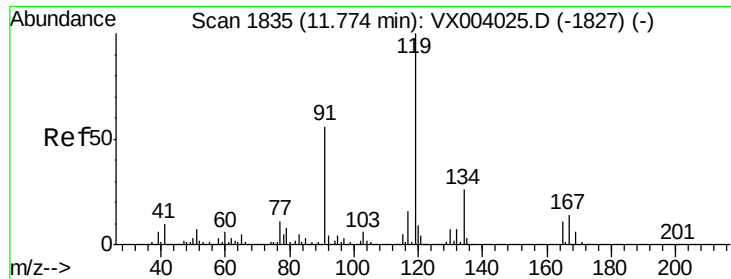
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.39 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.6	46.7





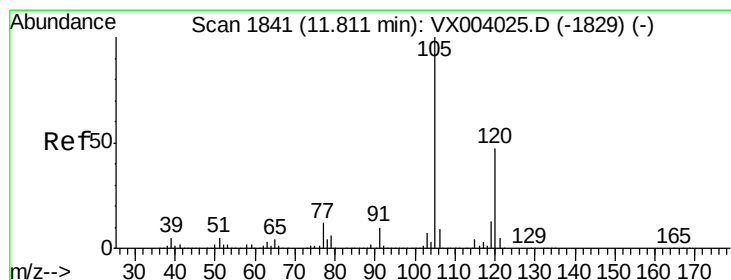
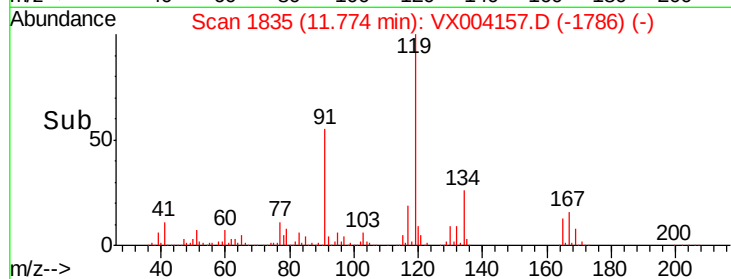
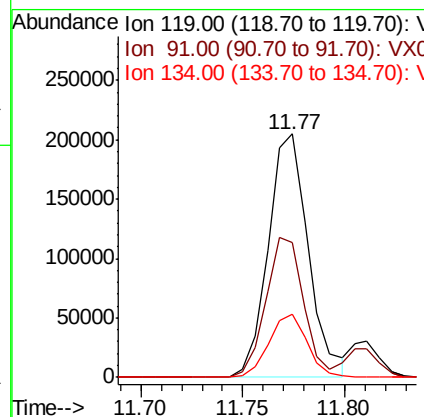
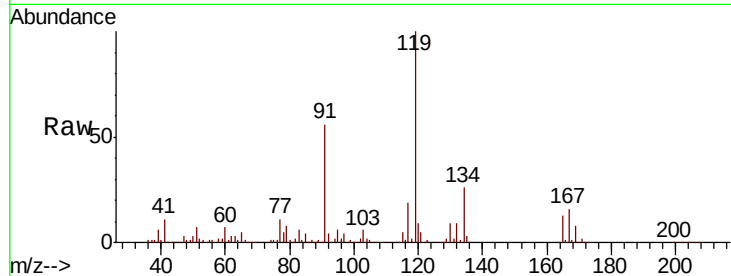
#83
 tert-Butylbenzene
 Concen: 19.66 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280880		
91	54.2	26.9	80.7	
134	24.6	12.0	36.0	

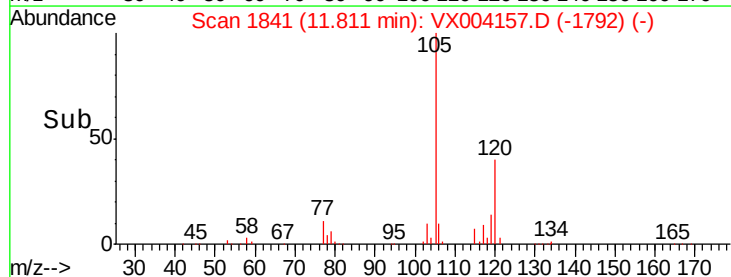
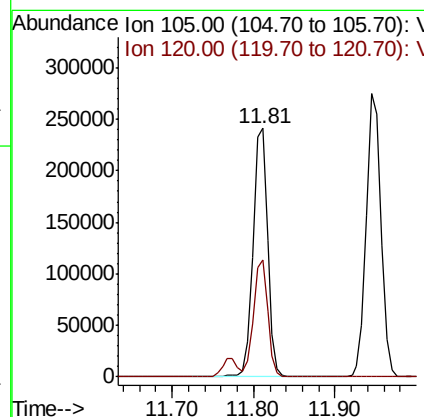
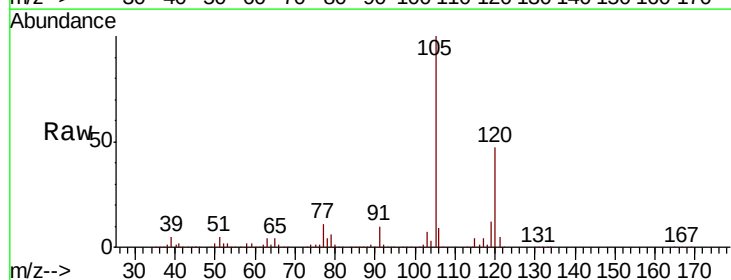
Manual Integrations
 APPROVED

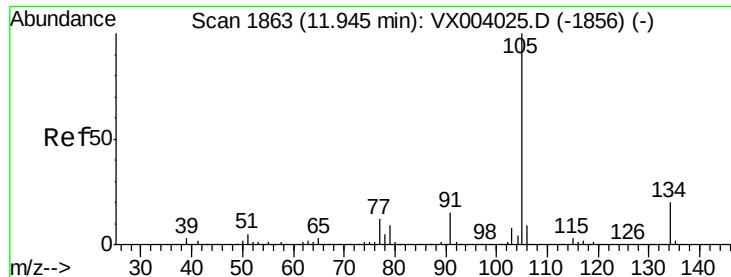
MMDadoda
 8/21/2018 11:16:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	299953		
120	45.8	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.09 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

Instrument :

MSVOA_X

ClientSampleId :

VX0820WBSD01

Tot Ion:105 Resp: 335985

Ion Ratio Lower Upper

105 100

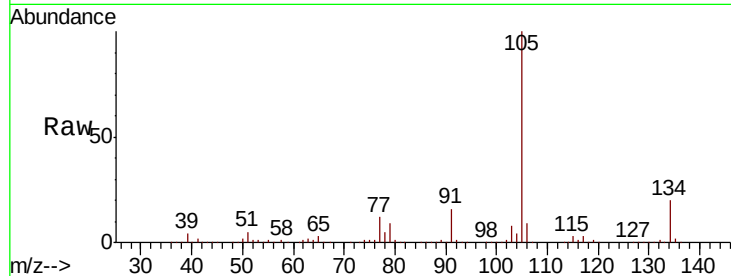
134 20.8 10.3 30.9

Manual Integrations

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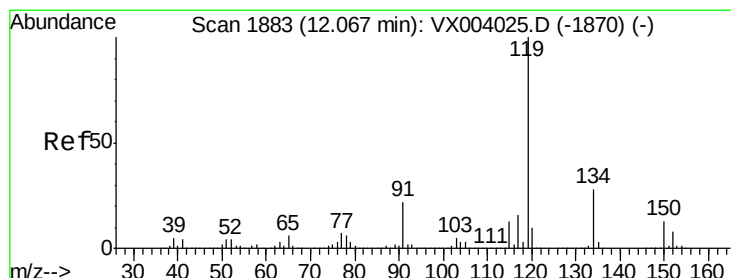
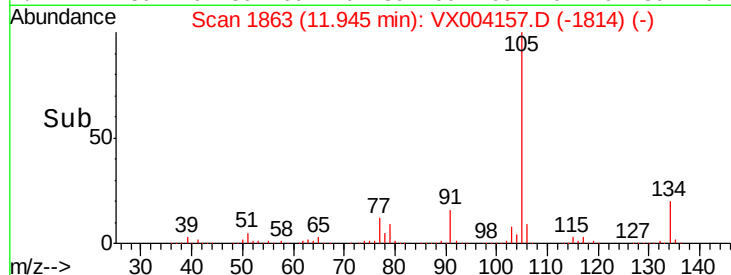
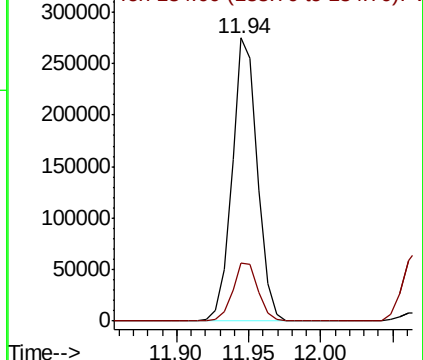
MMDadoda

8/21/2018 11:16:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.04 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004157.D

Acq: 20 Aug 2018 17:08

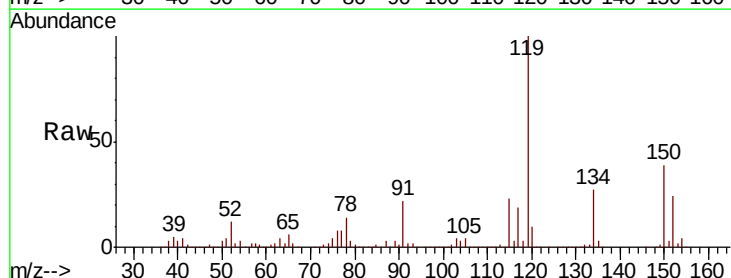
Tgt Ion:119 Resp: 303276

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

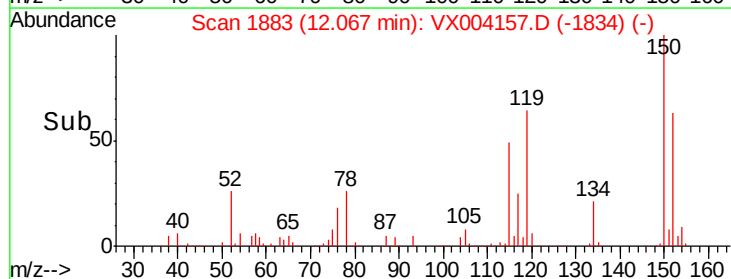
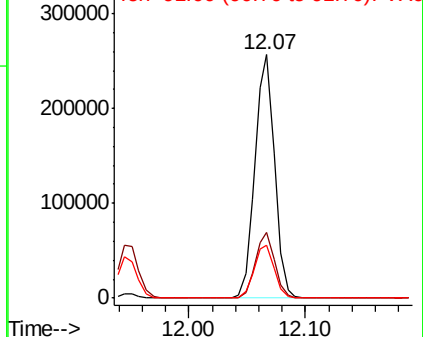
91 22.2 10.9 32.7

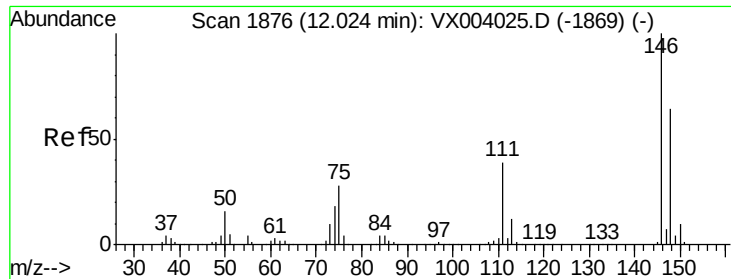


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





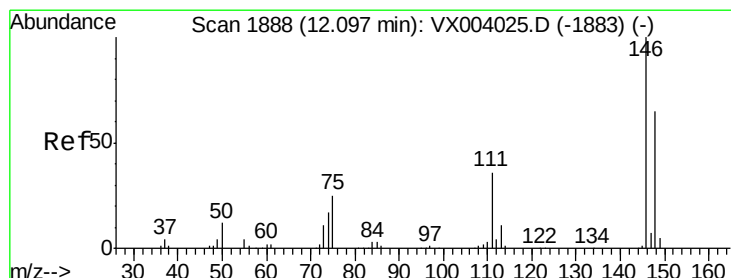
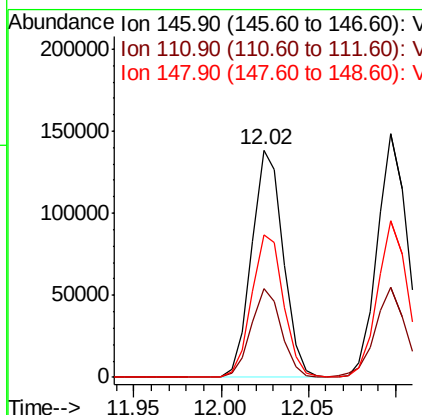
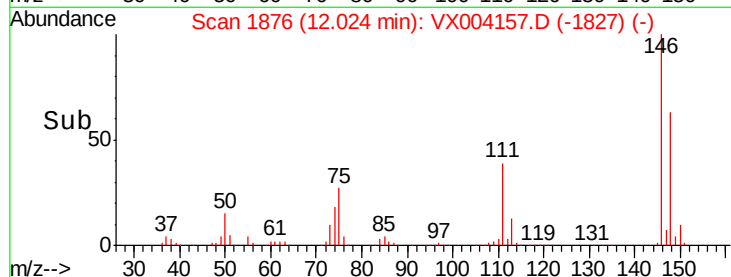
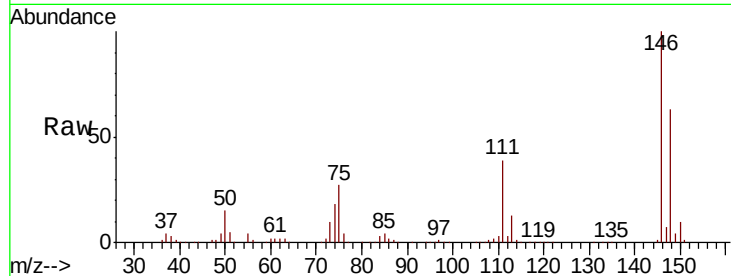
#87
 1,3-Dichlorobenzene
 Concen: 19.09 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.4	31.9	95.5

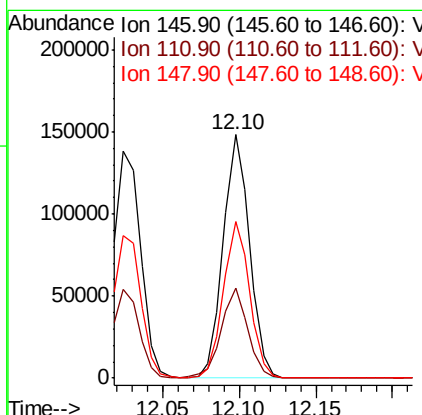
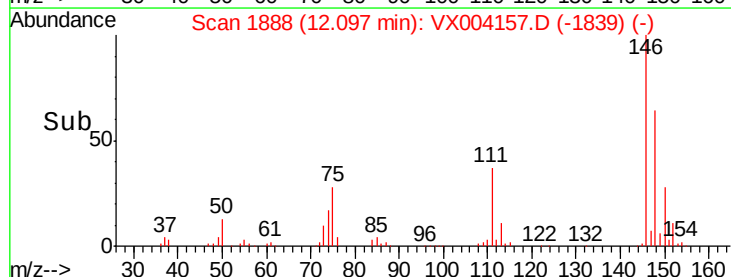
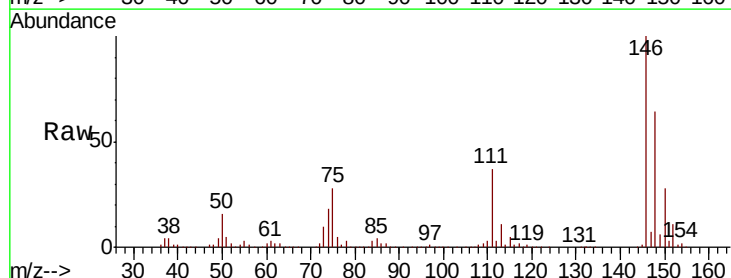
Manual Integrations
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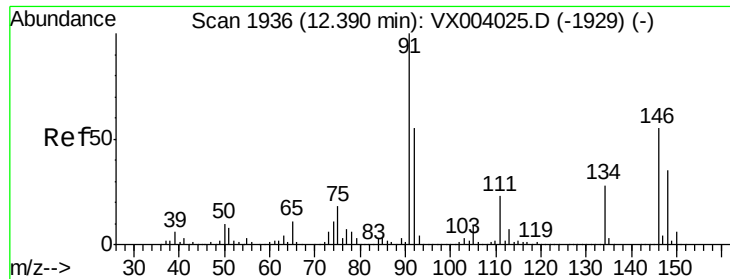
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#88
 1,4-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	64.6	32.3	96.8





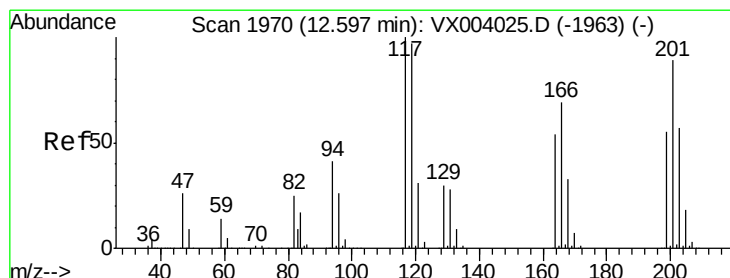
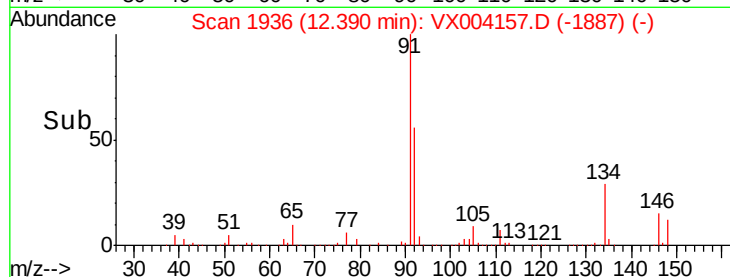
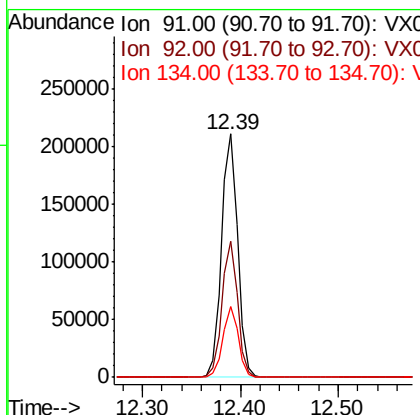
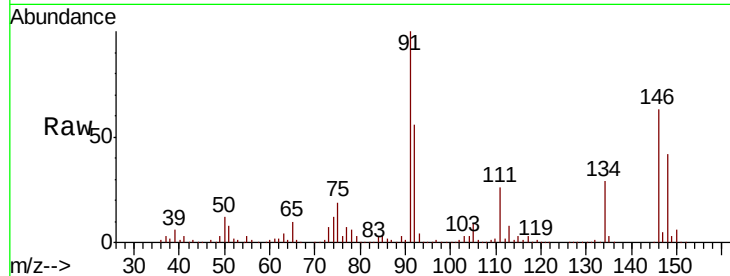
#89
n-Butylbenzene
Concen: 20.26 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	241696		
92	54.0	27.1	81.3	
134	27.8	13.6	40.7	

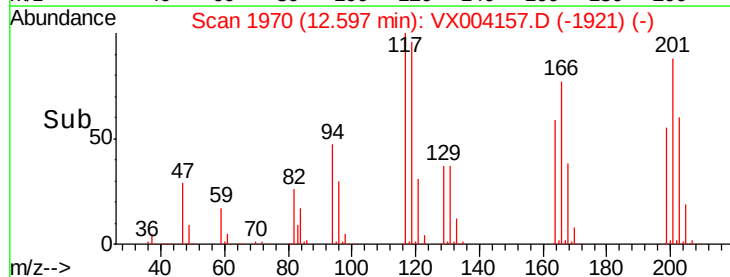
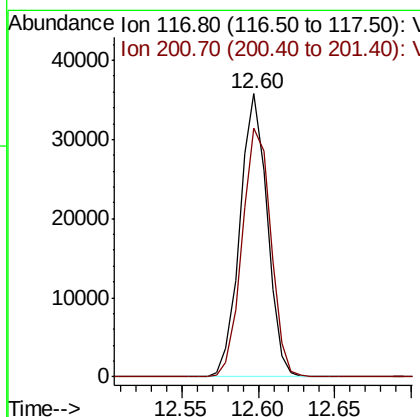
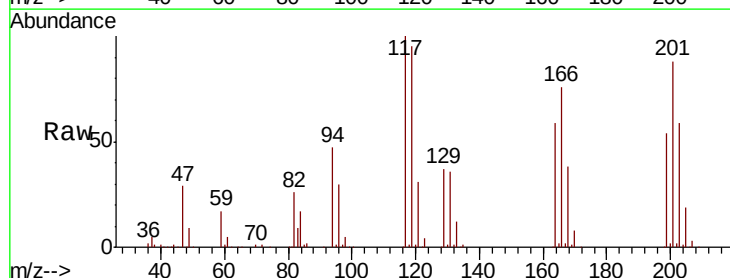
Manual Integrations
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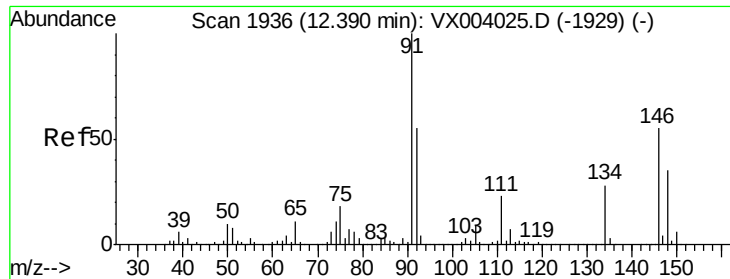
MMDadoda
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#90
Hexachloroethane
Concen: 19.52 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44218		
201	92.5	46.1	138.2	





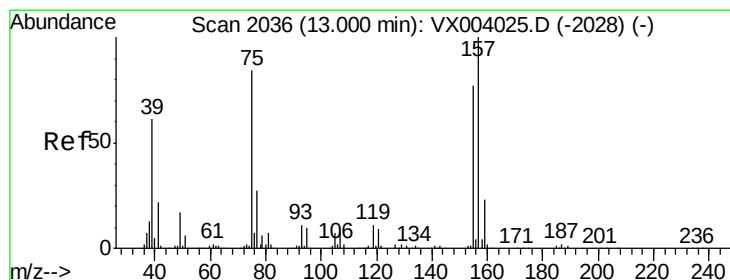
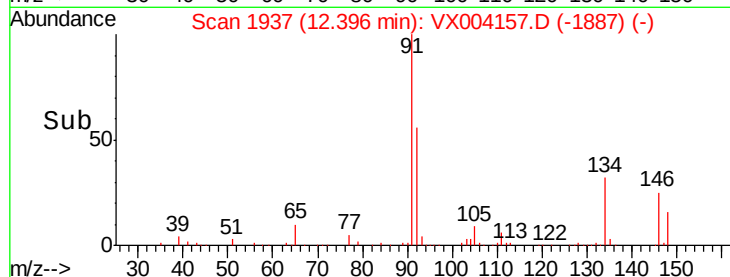
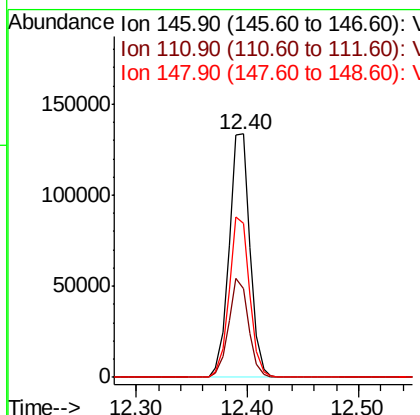
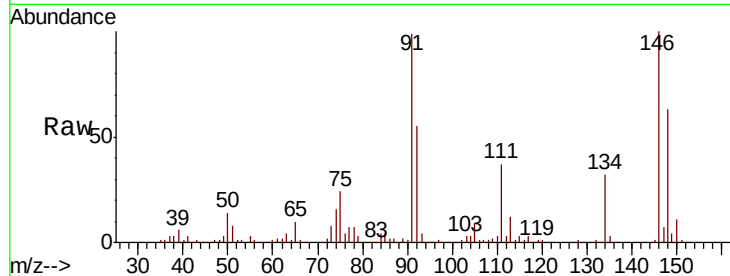
#91
 1,2-Dichlorobenzene
 Concen: 20.96 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.5	31.9	95.5

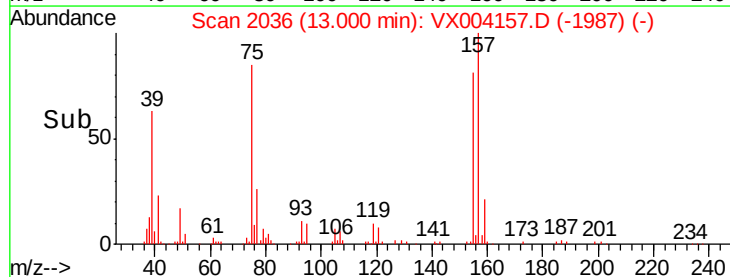
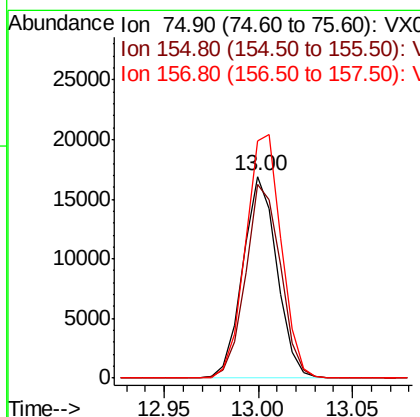
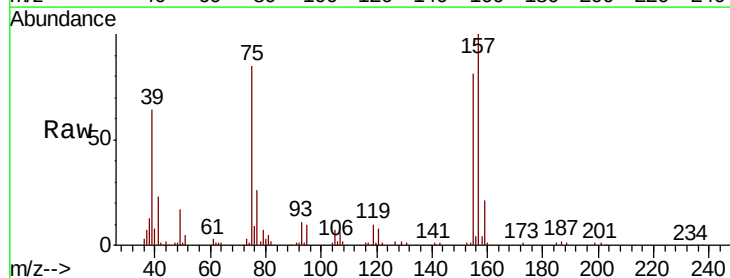
Manual Integrations
 APPROVED

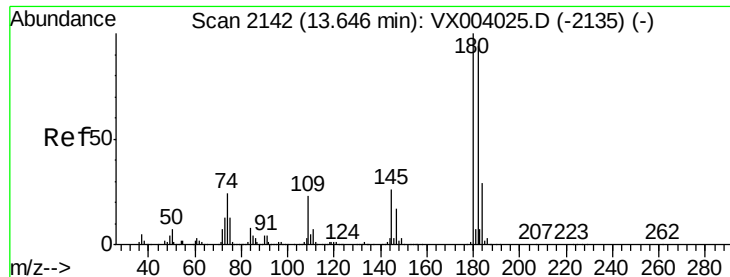
MMDadoda
 8/21/2018 11:16:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.97 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.7	146.1
157	126.6	62.6	187.8





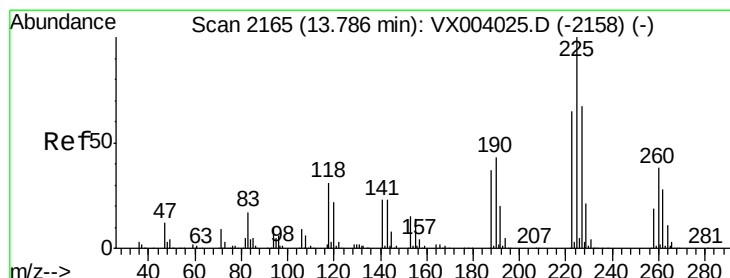
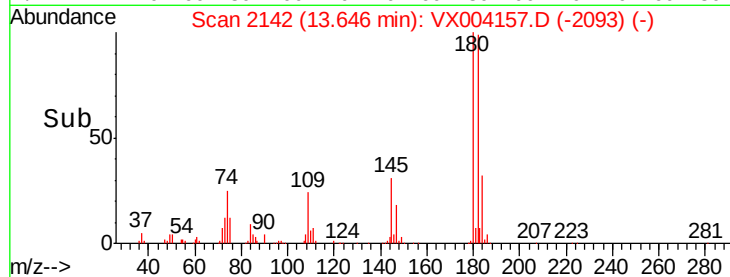
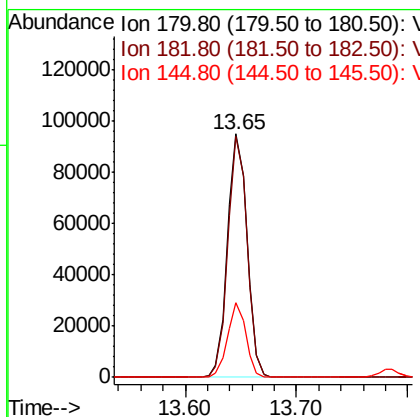
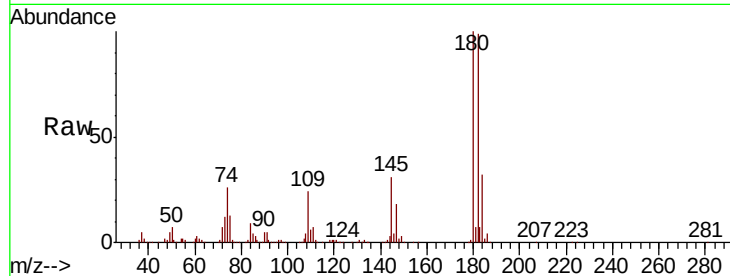
#93
 1,2,4-Trichlorobenzene
 Concen: 20.60 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115513		
182	97.4	47.7	143.1	
145	28.6	13.9	41.6	

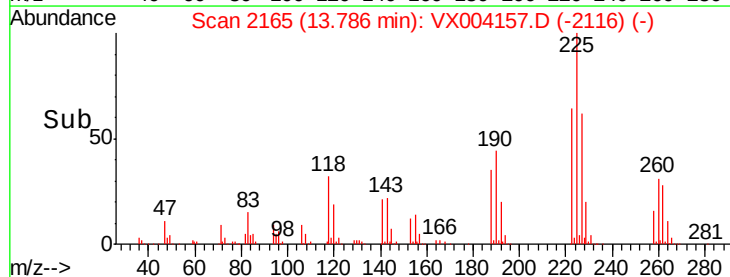
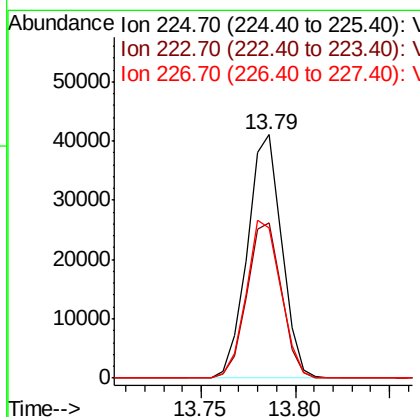
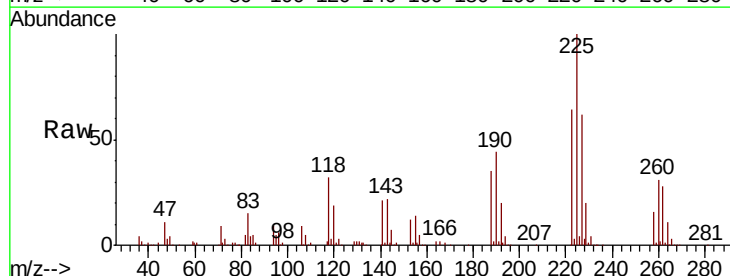
Manual Integrations
 APPROVED

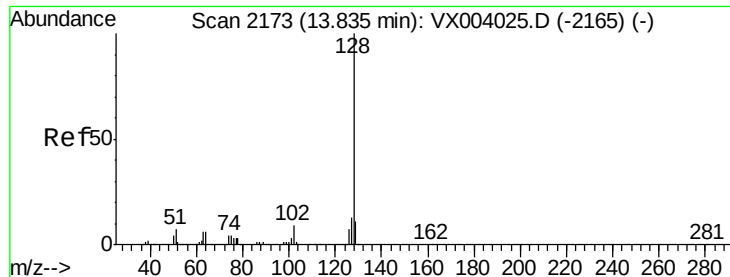
MMDadoda
 8/21/2018 11:16:54 AM



#94
 Hexachlorobutadiene
 Concen: 18.46 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004157.D
 Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51901		
223	63.9	31.4	94.0	
227	65.6	32.1	96.5	





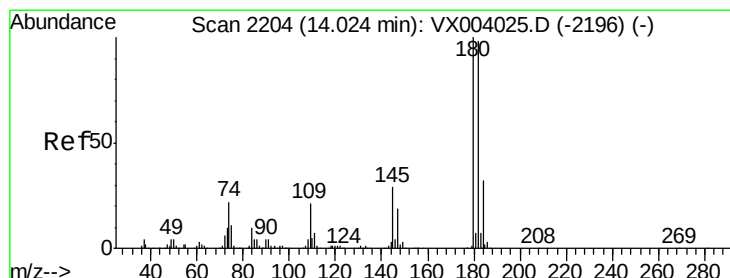
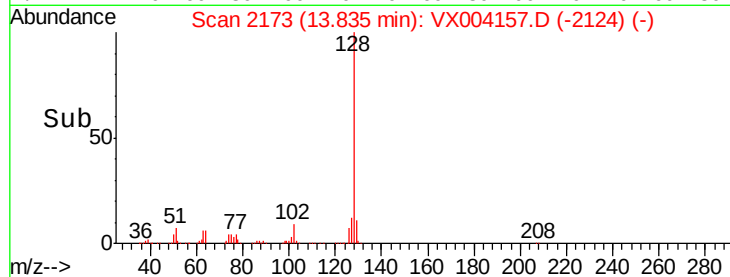
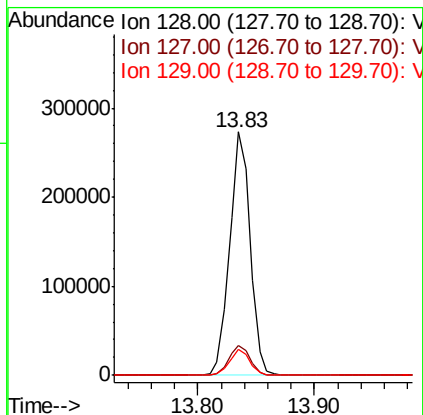
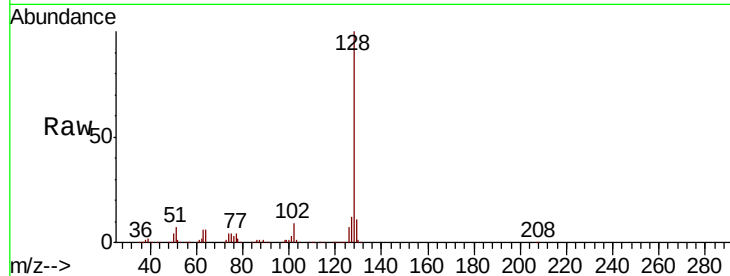
#95
Naphthalene
Concen: 19.45 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	334933		
127	12.5		10.2	15.2
129	10.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/21/2018 11:16:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.73 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004157.D
Acq: 20 Aug 2018 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114552		
182	99.9		48.1	144.4
145	30.7		14.9	44.7

