

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001317.D
 Acq On : 02 May 2018 15:19
 Operator : JC/MD
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:18 PM

Quant Time: May 03 05:20:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	229575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	217450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	149292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	108320	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	5.51	113	92323	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.72	98	341155	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.14	95	127039	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40610	20.65	ug/l	97
3) Chloromethane	1.32	50	38011	19.69	ug/l	97
4) Vinyl Chloride	1.40	62	40256	19.81	ug/l	99
5) Bromomethane	1.64	94	32853	20.74	ug/l	100
6) Chloroethane	1.72	64	26286	20.46	ug/l	99
7) Trichlorofluoromethane	1.93	101	72054	21.01	ug/l	99
8) Diethyl Ether	2.19	74	24707	20.98	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41017	20.74	ug/l	99
10) Methyl Iodide	2.51	142	52235	26.46	ug/l	100
11) Tert butyl alcohol	3.08	59	49965	118.01	ug/l	97
12) 1,1-Dichloroethene	2.37	96	34813	19.52	ug/l	97
13) Acrolein	2.30	56	17622	72.28	ug/l	94
14) Allyl chloride	2.73	41	63186	20.25	ug/l	99
15) Acrylonitrile	3.15	53	104972	106.97	ug/l	100
16) Acetone	2.45	43	108505	103.29	ug/l	100
17) Carbon Disulfide	2.57	76	81890	17.63	ug/l	97
18) Methyl Acetate	2.78	43	56696	22.85	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	126665	20.85	ug/l	99
20) Methylene Chloride	2.86	84	40306	20.32	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	37993	19.57	ug/l	98
22) Diisopropyl ether	3.88	45	109678	18.25	ug/l	97
23) Vinyl Acetate	3.83	43	508221	99.81	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70710	21.12	ug/l	99
25) 2-Butanone	4.72	43	142732	100.49	ug/l	100
26) 2,2-Dichloropropane	4.59	77	48943	17.97	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40519	18.99	ug/l	99
28) Bromochloromethane	5.03	49	33175	22.05	ug/l	98
29) Tetrahydrofuran	5.18	42	90252	103.32	ug/l	99
30) Chloroform	5.22	83	68616	19.39	ug/l	99
31) Cyclohexane	5.57	56	55501	18.36	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	59197	19.14	ug/l	99
36) 1,1-Dichloropropene	5.81	75	49747	18.78	ug/l	99
37) Ethyl Acetate	4.87	43	54422	20.34	ug/l	99
38) Carbon Tetrachloride	5.79	117	52860	19.04	ug/l	96

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Manual Integrations
 APPROVED

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 5/3/2018 12:21:18 PM

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59458	18.97	ug/l	98
40) Benzene	6.15	78	148655	19.50	ug/l	99
41) Methacrylonitrile	5.07	41	30490	19.57	ug/l	99
42) 1,2-Dichloroethane	6.21	62	57002	19.31	ug/l	99
43) Isopropyl Acetate	6.48	43	84469	19.50	ug/l	100
44) Trichloroethene	7.22	130	45681	19.58	ug/l	97
45) 1,2-Dichloropropane	7.52	63	37531	19.17	ug/l	98
46) Dibromomethane	7.67	93	26939	19.63	ug/l	98
47) Bromodichloromethane	7.90	83	47331	19.29	ug/l	99
48) Methyl methacrylate	7.79	41	44691	19.41	ug/l	99
49) 1,4-Dioxane	7.76	88	20658	475.41	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	291192	104.28	ug/l	99
52) Toluene	8.79	92	97727	19.61	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	54847	18.80	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	49373	18.40	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	39931	19.84	ug/l	97
56) Ethyl methacrylate	9.19	69	55070	19.75	ug/l	98
57) 1,3-Dichloropropane	9.38	76	64301	19.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	137089	101.89	ug/l	99
59) 2-Hexanone	9.51	43	225571	103.35	ug/l	100
60) Dibromochloromethane	9.59	129	40560	19.32	ug/l	97
61) 1,2-Dibromoethane	9.68	107	42139	19.75	ug/l	100
64) Tetrachloroethene	9.34	164	56986	22.12	ug/l	97
65) Chlorobenzene	10.14	112	114741	19.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	41506	20.22	ug/l	98
67) Ethyl Benzene	10.26	91	186280	19.11	ug/l	99
68) m/p-Xylenes	10.37	106	150317	39.20	ug/l	99
69) o-Xylene	10.71	106	72377	19.46	ug/l	98
70) Styrene	10.72	104	119549	19.65	ug/l	99
71) Bromoform	10.87	173	32420	18.99	ug/l #	99
73) Isopropylbenzene	11.02	105	195599	19.58	ug/l	100
74) N-amyl acetate	6.48	43	84469	19.71	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	58256	19.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	55890m	20.25	ug/l	
77) Bromobenzene	11.26	156	56312	19.55	ug/l	99
78) n-propylbenzene	11.37	91	221854	19.99	ug/l	99
79) 2-Chlorotoluene	11.43	91	134030	20.01	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	166454	19.84	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	12685	17.95	ug/l	93
82) 4-Chlorotoluene	11.52	91	153380	19.04	ug/l	98
83) tert-Butylbenzene	11.77	119	162576	19.44	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	173260	20.16	ug/l	99
85) sec-Butylbenzene	11.95	105	203467	20.33	ug/l	100
86) p-Isopropyltoluene	12.07	119	185062	20.16	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	103518	19.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	104316	18.81	ug/l	99
89) n-Butylbenzene	12.40	91	152668	19.06	ug/l	99
90) Hexachloroethane	12.60	117	25099	18.88	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	104090	19.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12175	20.13	ug/l	94

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MSVOA_X
ClientSampleId :
VX0502WBS01

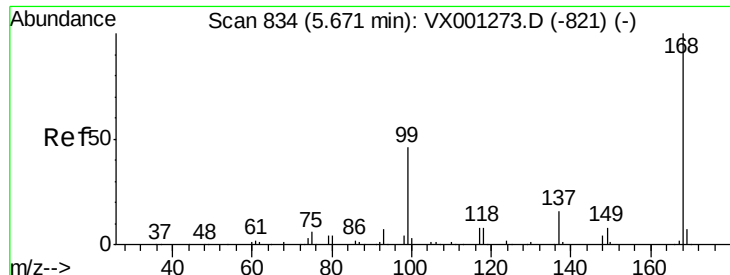
Manual Integrations
APPROVED

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	77434	17.98	ug/l	98
94) Hexachlorobutadiene	13.79	225	43417	19.27	ug/l	99
95) Naphthalene	13.84	128	214600	19.64	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	81191	19.21	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion:168 Resp: 177782

Ion Ratio Lower Upper

168 100

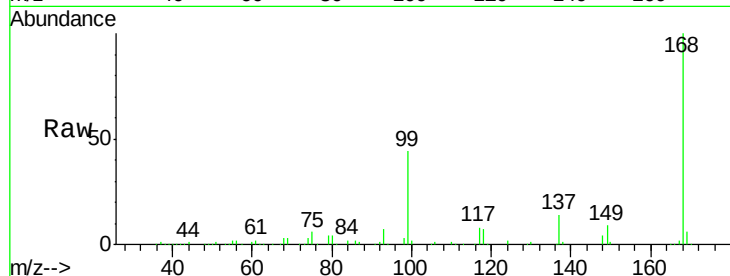
99 43.9 36.5 54.7

Manual Integrations

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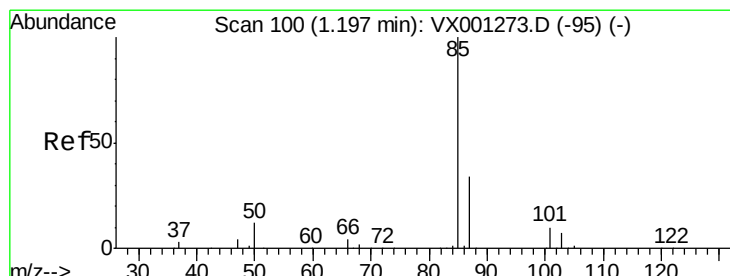
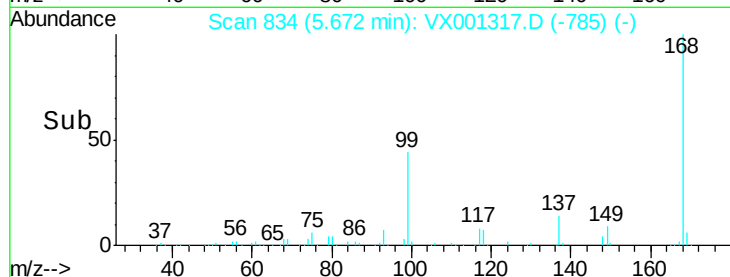
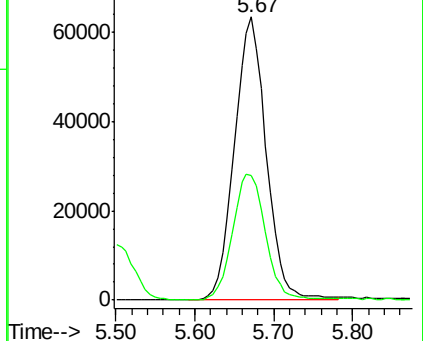
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.65 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001317.D

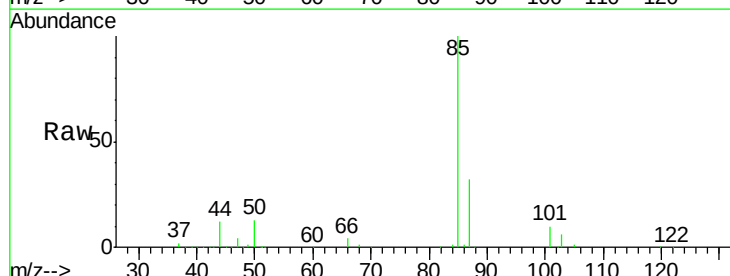
Acq: 02 May 2018 15:19

Tgt Ion: 85 Resp: 40610

Ion Ratio Lower Upper

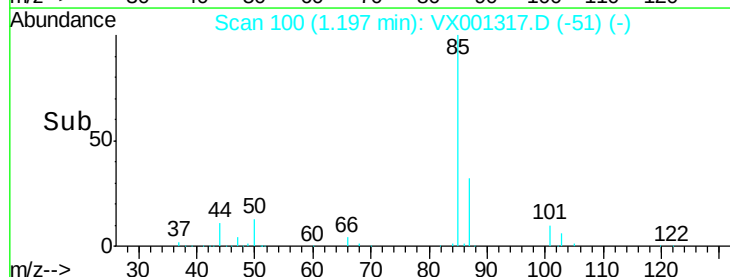
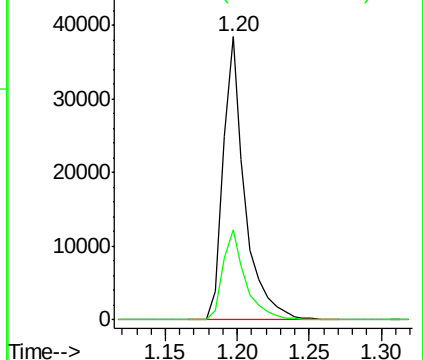
85 100

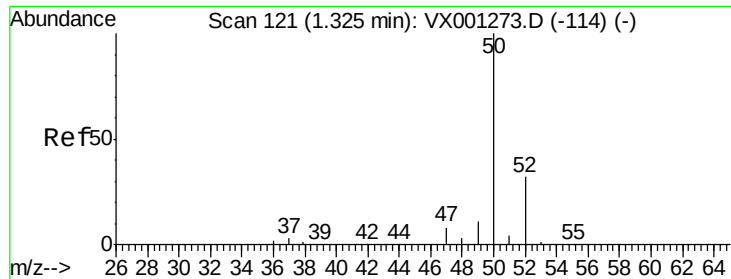
87 31.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion: 50 Resp: 38011

Ion Ratio Lower Upper

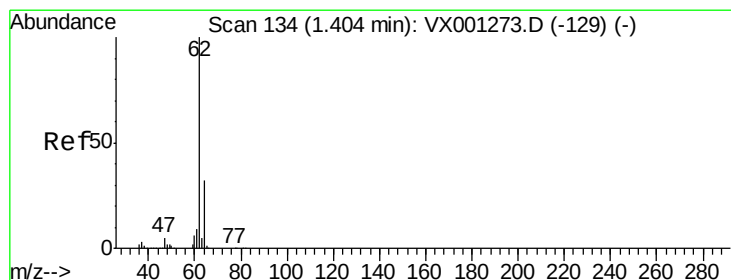
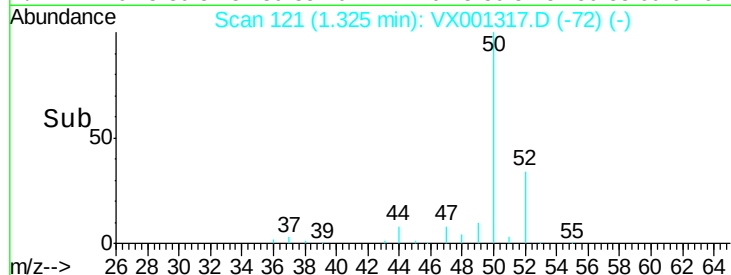
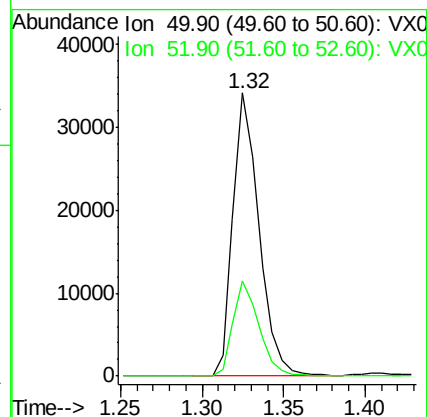
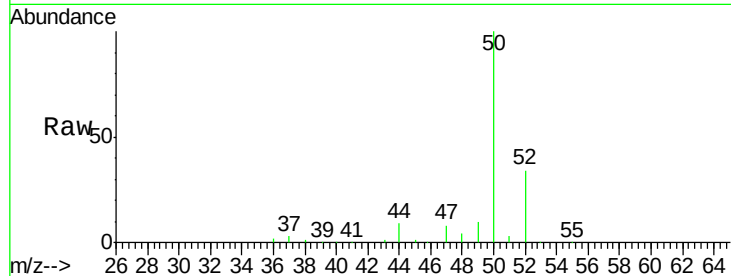
50 100

52 33.5 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.81 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001317.D

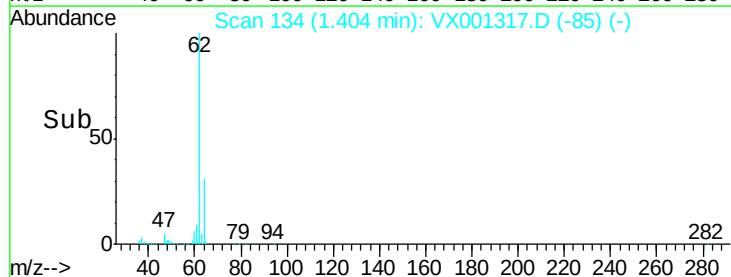
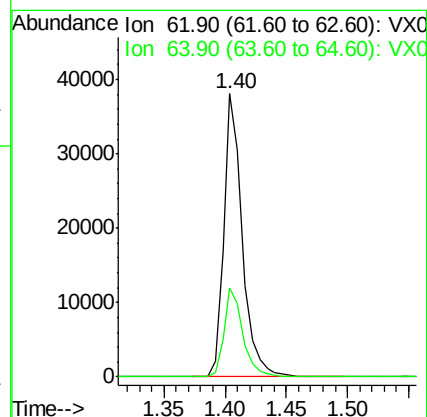
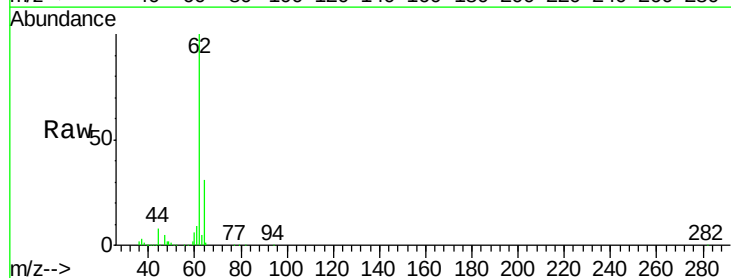
Acq: 02 May 2018 15:19

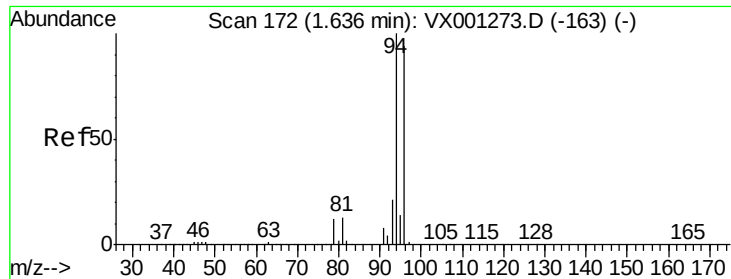
Tgt Ion: 62 Resp: 40256

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 20.74 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion: 94 Resp: 32853

Ion Ratio Lower Upper

94 100

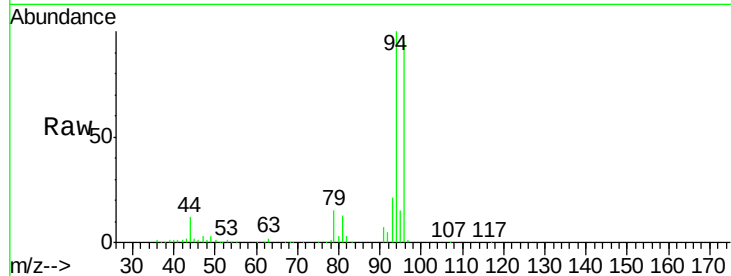
96 94.9 75.6 113.4

Manual Integrations

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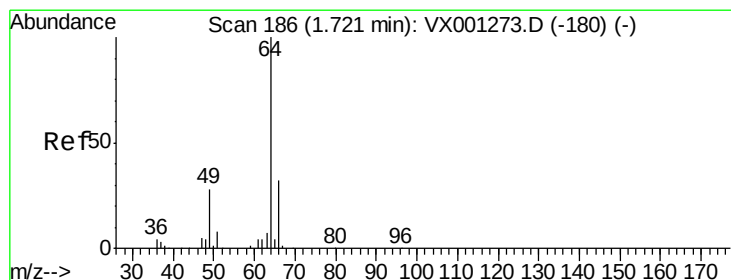
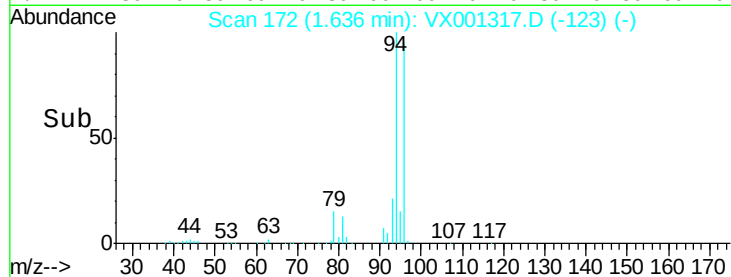
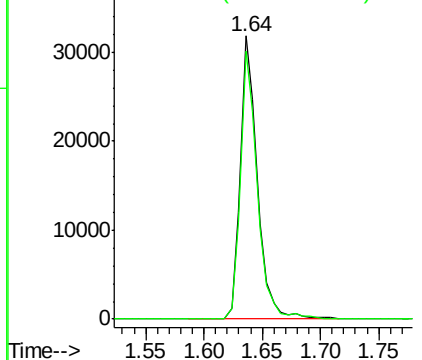
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.46 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001317.D

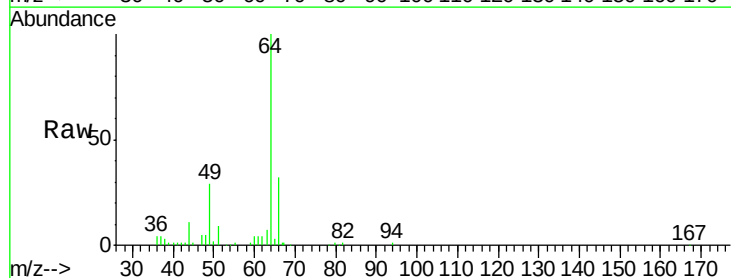
Acq: 02 May 2018 15:19

Tgt Ion: 64 Resp: 26286

Ion Ratio Lower Upper

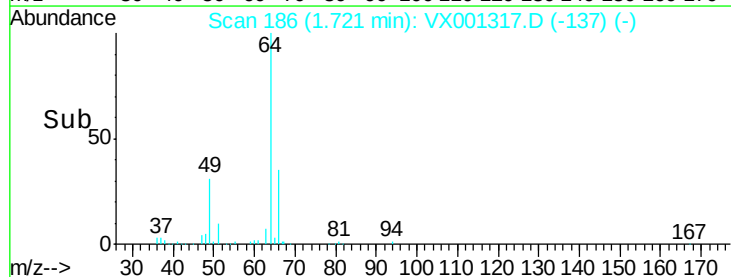
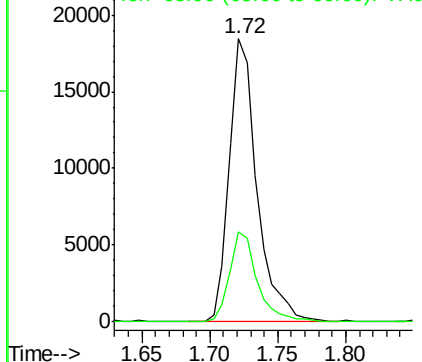
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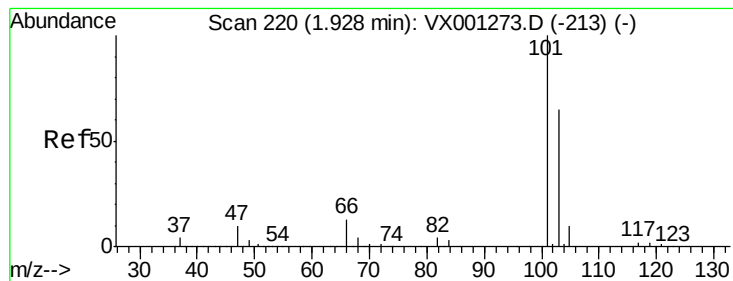
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





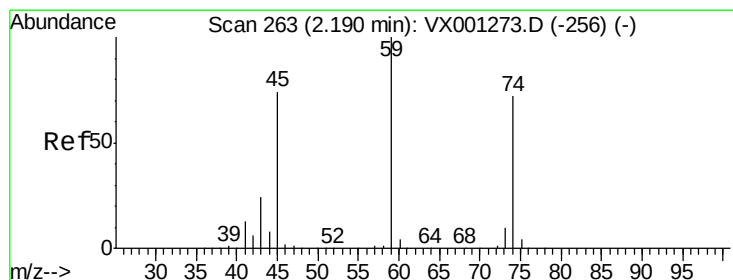
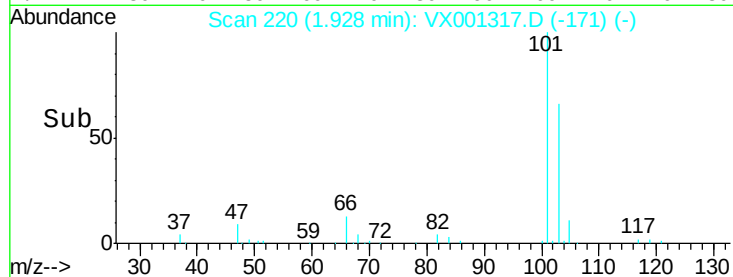
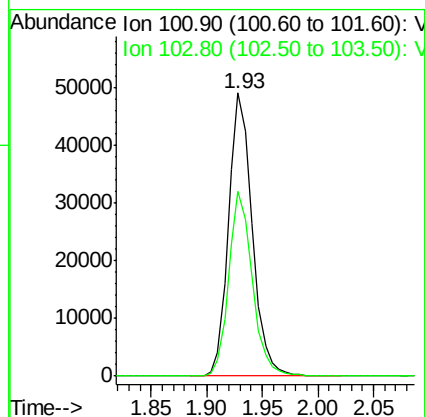
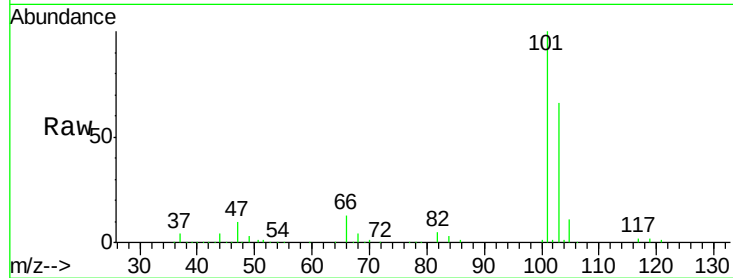
#7
 Trichlorofluoromethane
 Concen: 21.01 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Tot Ion:101 Resp: 72054
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.8

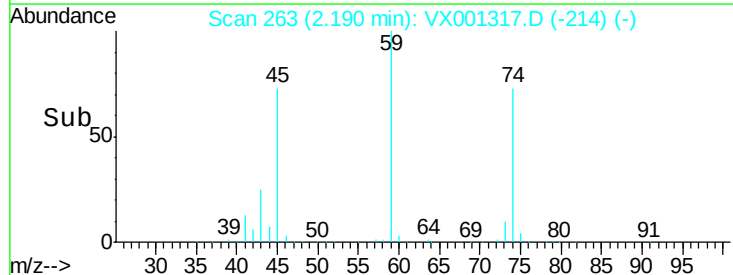
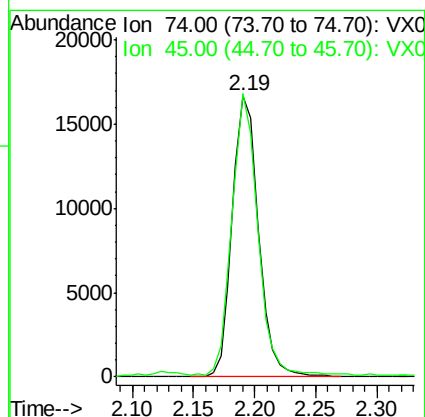
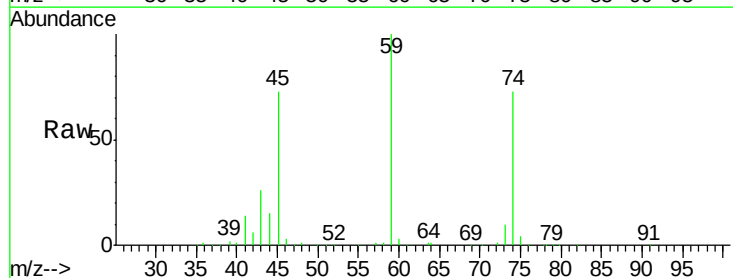
Manual Integrations
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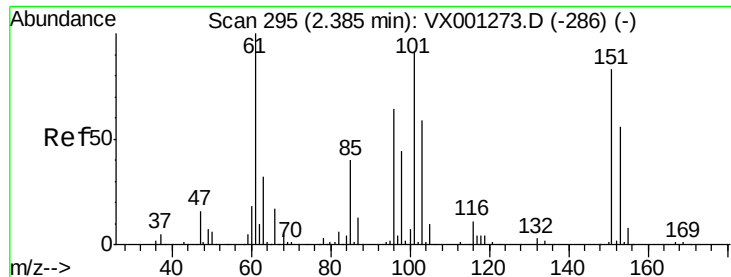
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#8
 Diethyl Ether
 Concen: 20.98 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion: 74 Resp: 24707
 Ion Ratio Lower Upper
 74 100
 45 98.1 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.74 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

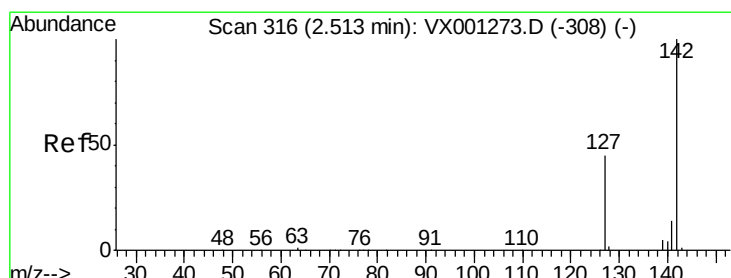
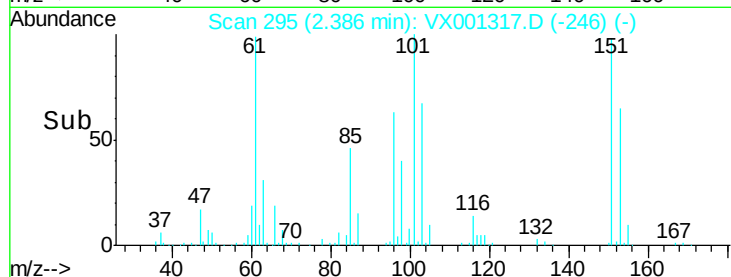
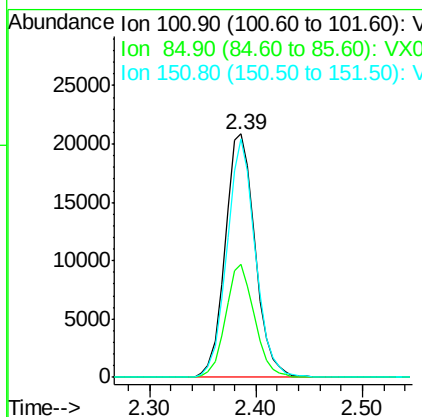
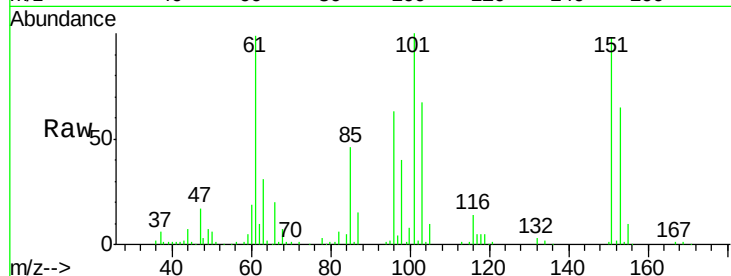
ClientSampled :

VX0502WBS01

Tot Ion:	101	Resp:	41017
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.6	53.4
151	92.9	74.8	112.2

Manual Integrations
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5/3/2018 12:21:18 PM



#10

Methyl Iodide

Concen: 26.46 ug/l

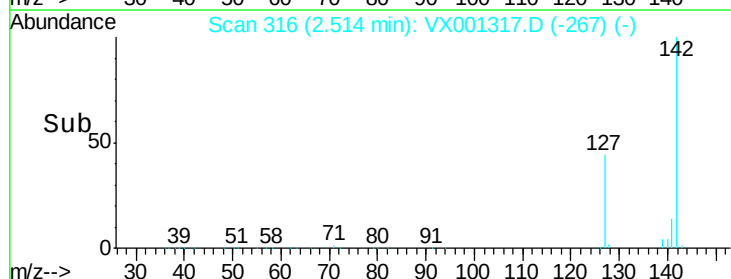
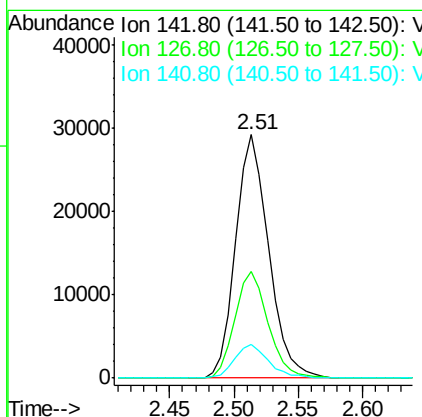
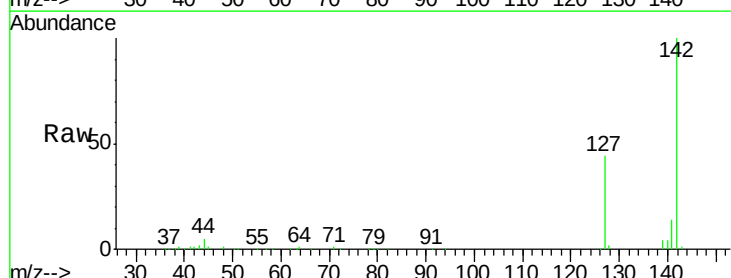
RT: 2.51 min Scan# 316

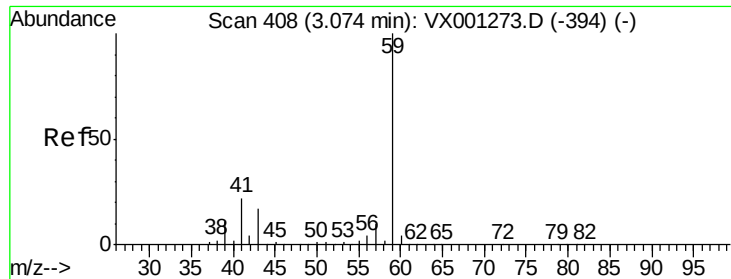
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	142	Resp:	52235
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.7	53.5
141	14.3	11.4	17.0





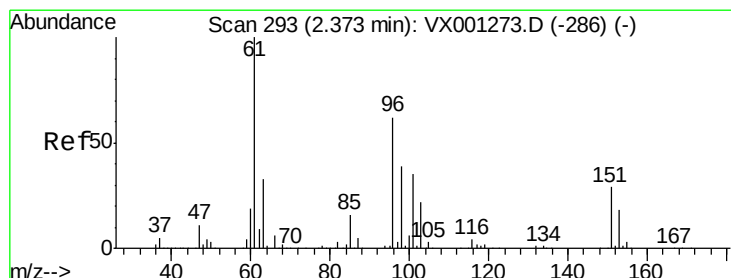
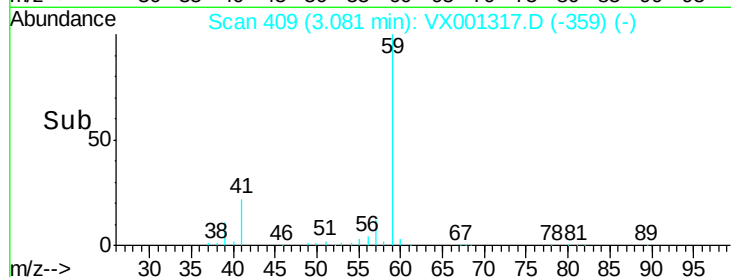
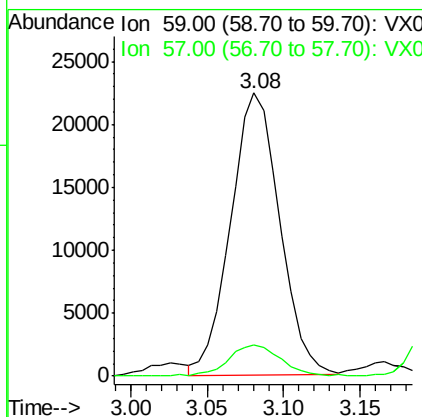
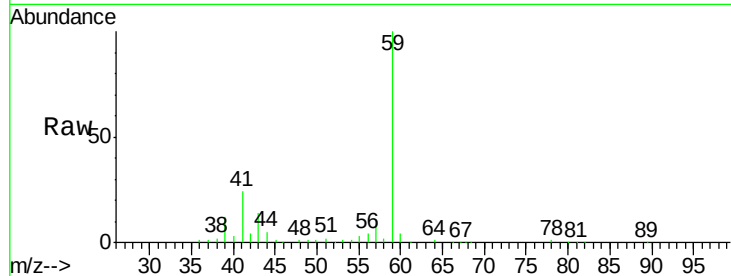
#11
Tert butyl alcohol
Concen: 118.01 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS01

Tot Ion: 59 Resp: 49965
Ion Ratio Lower Upper
59 100
57 12.0 8.6 12.8

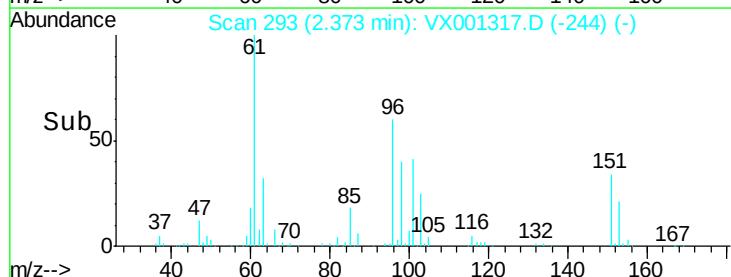
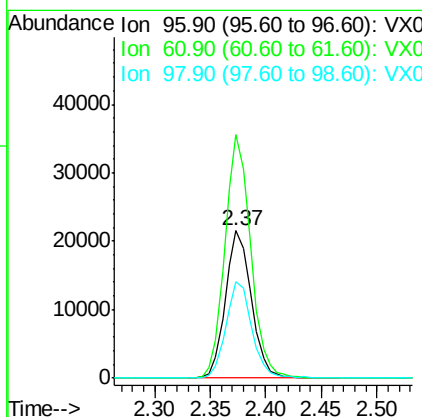
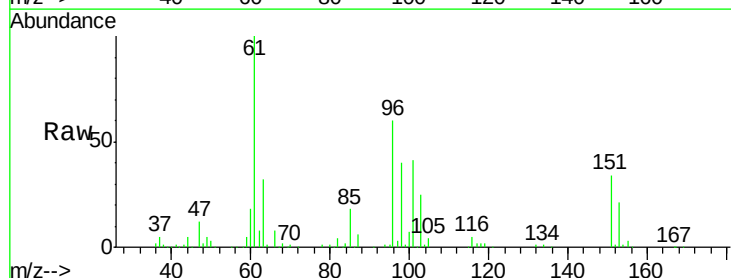
Manual Integrations
APPROVED

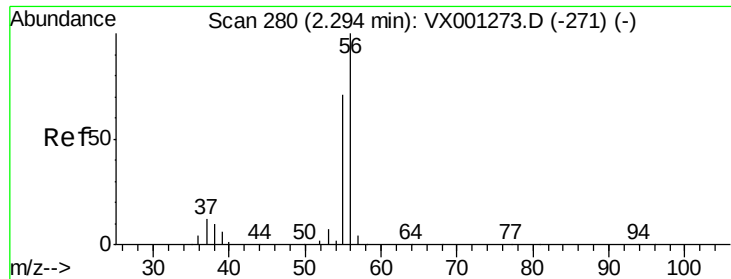
MMDadoda
5/3/2018 12:21:18 PM



#12
1,1-Dichloroethene
Concen: 19.52 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion: 96 Resp: 34813
Ion Ratio Lower Upper
96 100
61 165.5 130.1 195.1
98 65.9 50.3 75.5





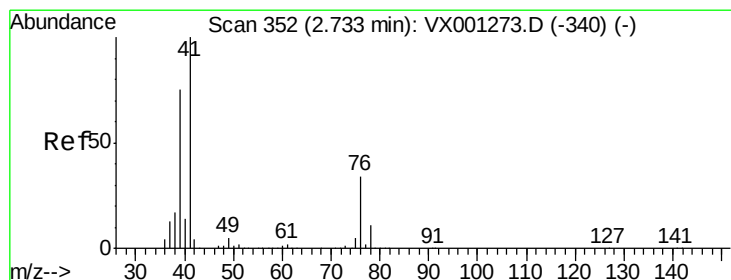
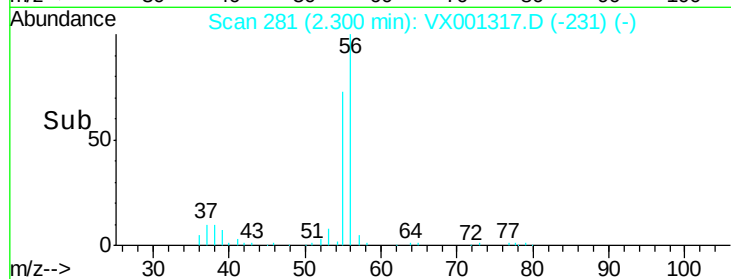
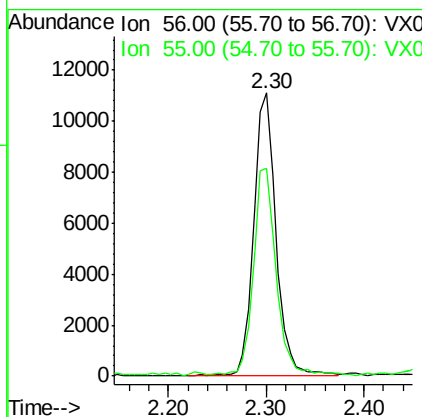
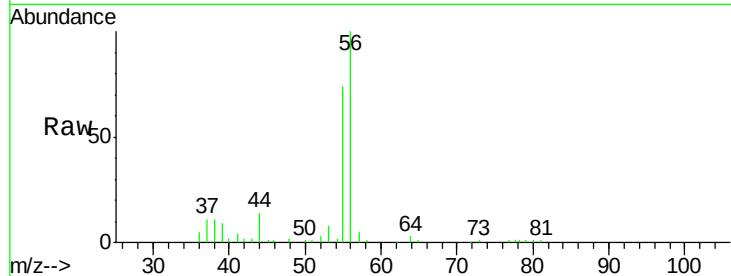
#13
Acrolein
Concen: 72.28 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	56	55	Ratio	100	76.2	Resp	17622	Lower	57.2	Upper	85.8
Ion	56	55	Ratio	100	76.2	Resp	17622	Lower	57.2	Upper	85.8

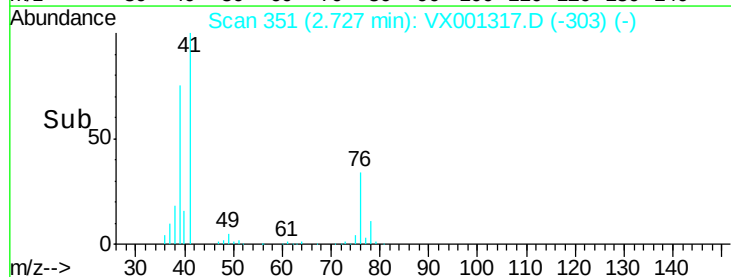
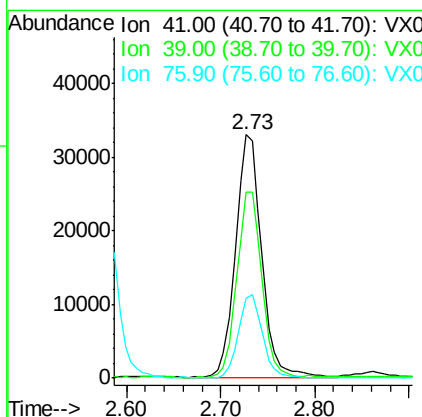
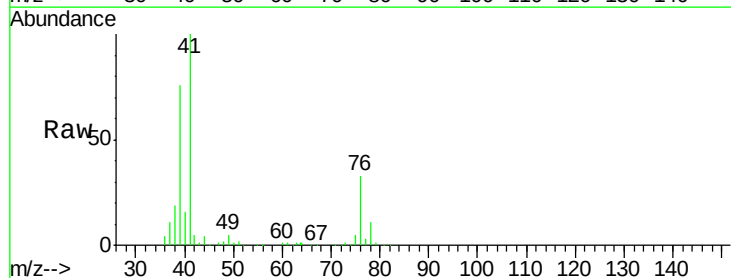
Manual Integrations
APPROVED

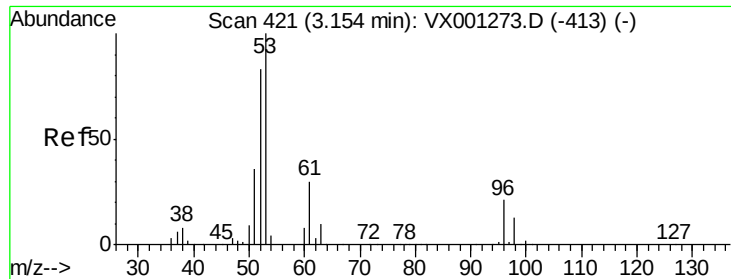
MMDadoda
5/3/2018 12:21:18 PM



#14
Allyl chloride
Concen: 20.25 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	41	39	76	Ratio	100	73.2	32.1	Resp	63186	Lower	58.1	Upper	87.1	37.7
Ion	41	39	76	Ratio	100	73.2	32.1	Resp	63186	Lower	58.1	Upper	87.1	37.7





#15

Acrylonitrile

Concen: 106.97 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

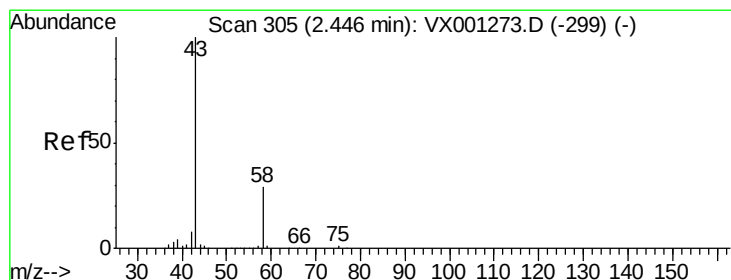
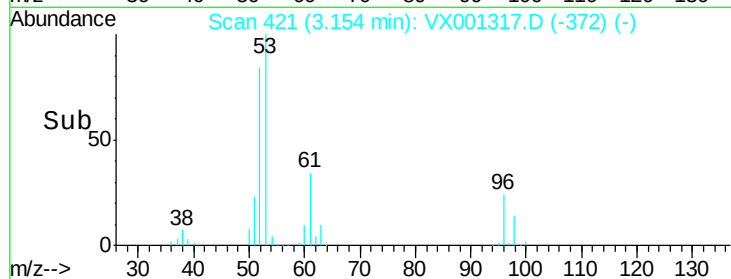
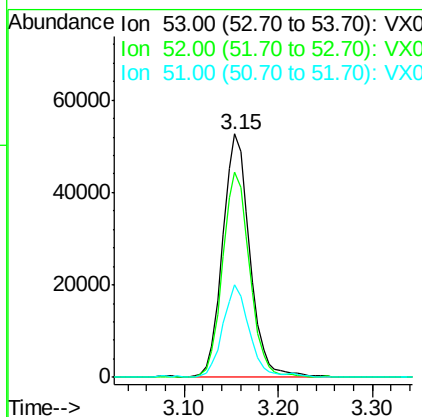
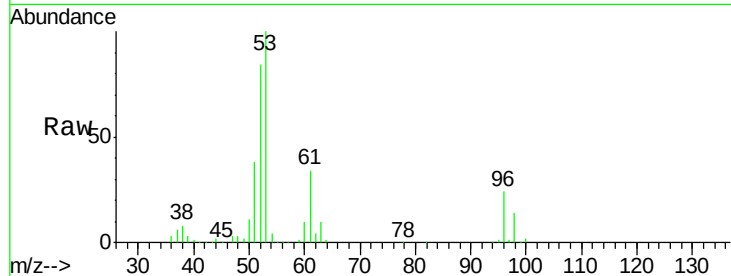
ClientSampled :

VX0502WBS01

Tot Ion:	53	Resp:	104972
Ion Ratio		Lower	Upper
53	100		
52	83.9	67.0	100.4
51	37.4	29.9	44.9

Manual Integrations
APPROVED

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#16

Acetone

Concen: 103.29 ug/l

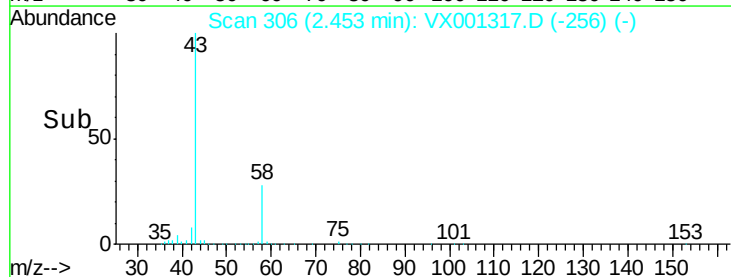
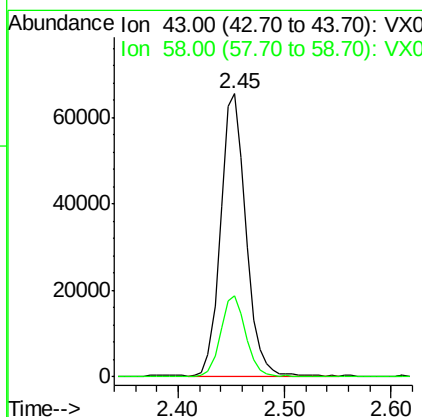
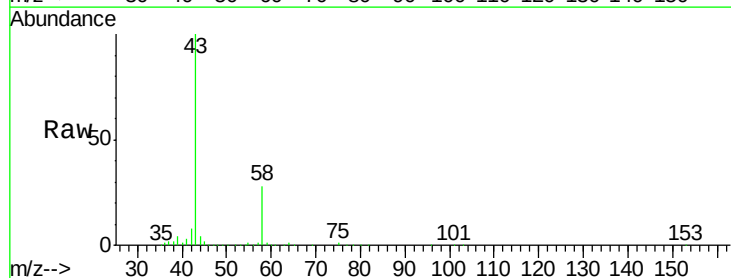
RT: 2.45 min Scan# 306

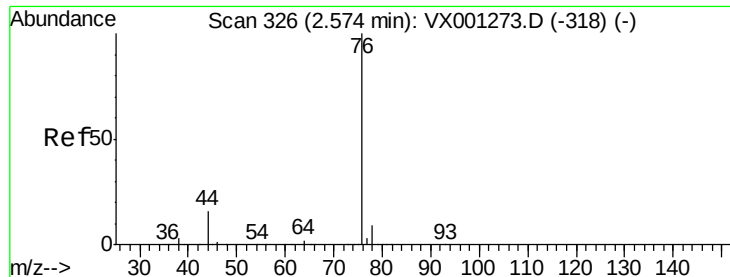
Delta R.T. 0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	43	Resp:	108505
Ion Ratio		Lower	Upper
43	100		
58	28.5	22.8	34.2





#17

Carbon Disulfide

Concen: 17.63 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS01

Tot Ion: 76 Resp: 81890

Ion Ratio Lower Upper

76 100

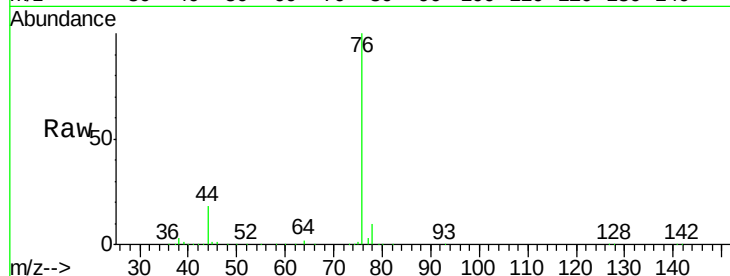
78 9.7 7.0 10.4

Manual Integrations

APPROVED

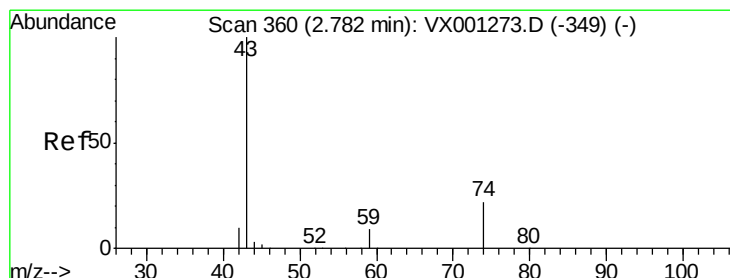
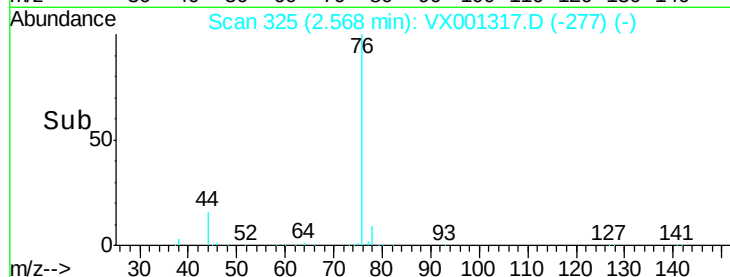
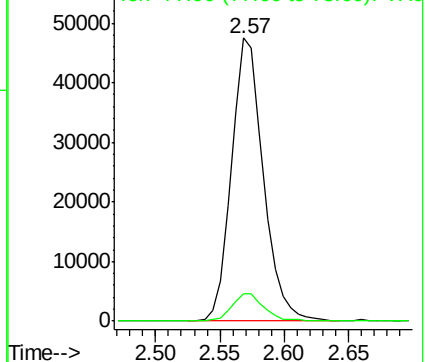
MMDadoda

5/3/2018 12:21:18 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.85 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001317.D

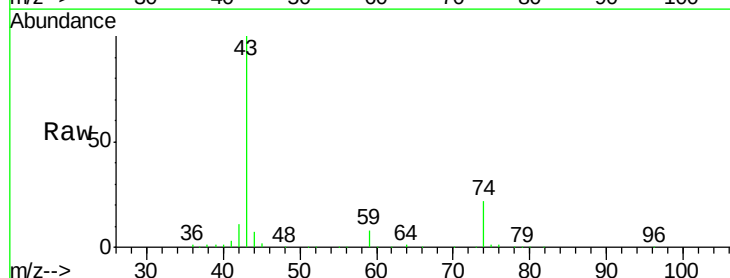
Acq: 02 May 2018 15:19

Tgt Ion: 43 Resp: 56696

Ion Ratio Lower Upper

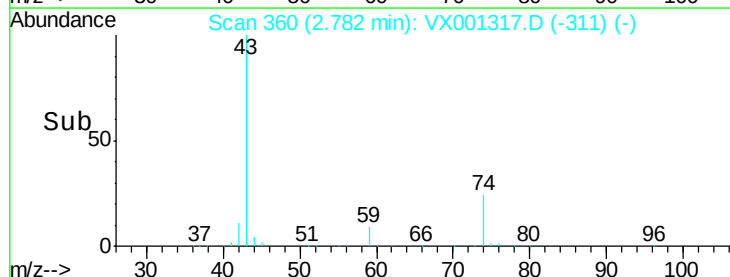
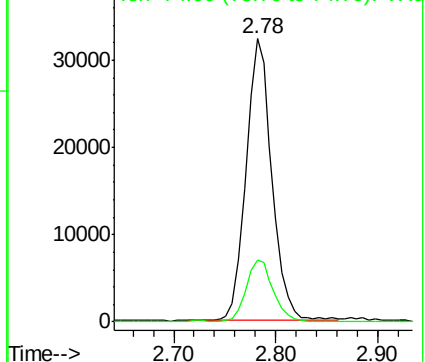
43 100

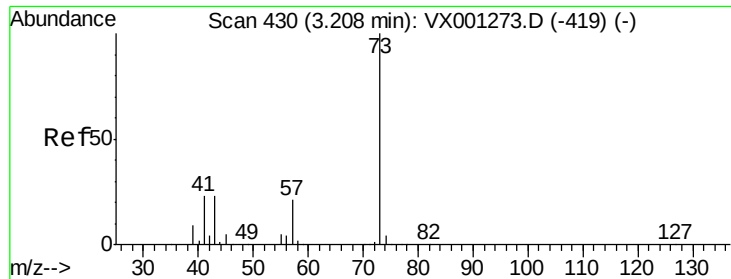
74 23.1 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

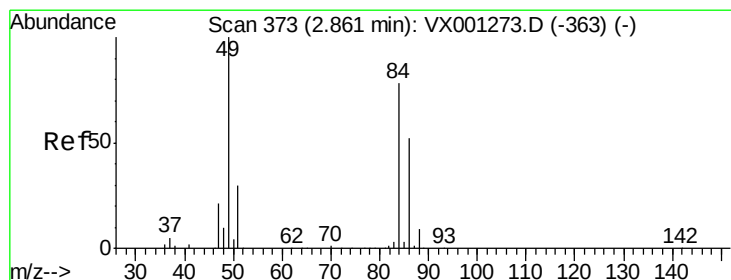
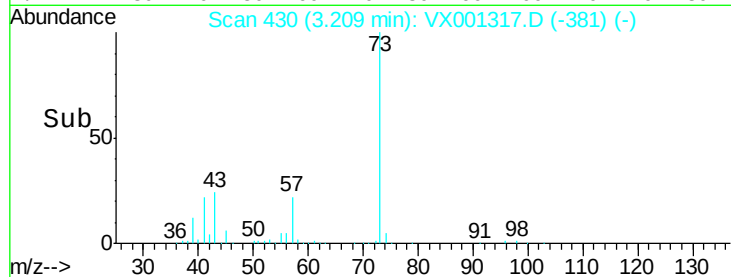
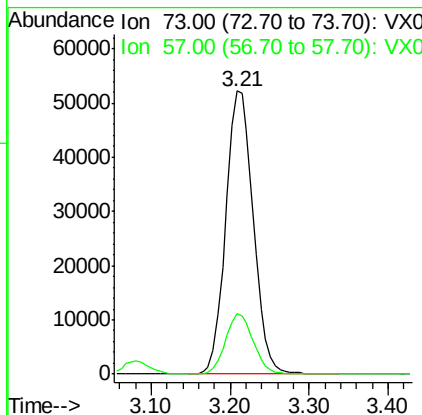
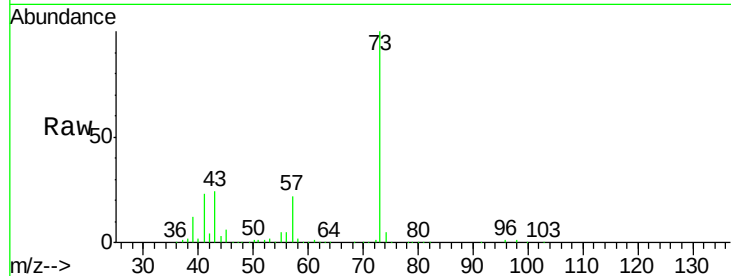
Methyl tert-butyl Ether
 Concen: 20.85 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.8	25.2

Manual Integrations
 APPROVED

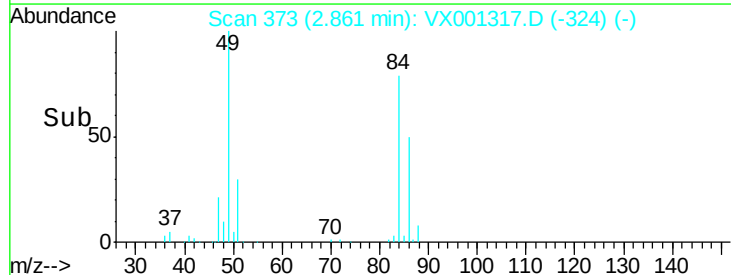
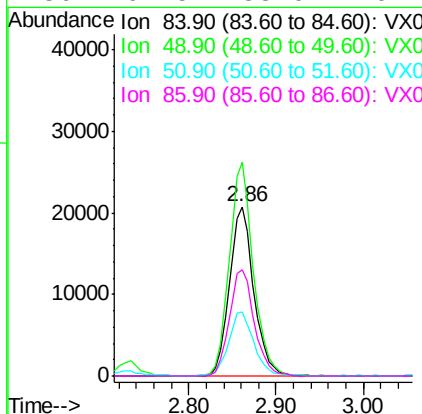
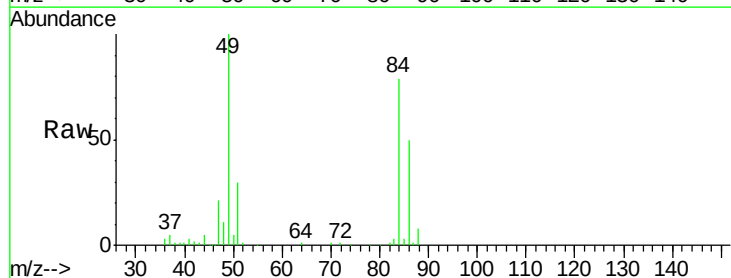
MMDadoda
 5/3/2018 12:21:18 PM

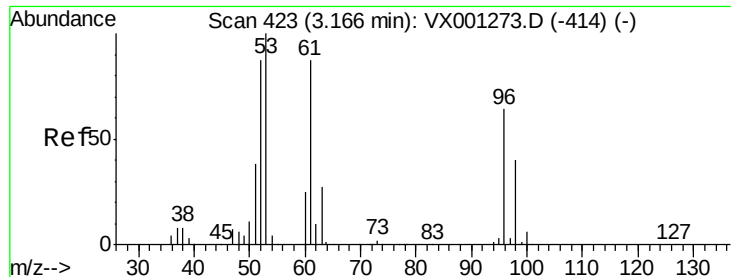


#20

Methylene Chloride
 Concen: 20.32 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.2	102.8	154.2
51	37.5	30.9	46.3
86	62.5	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 19.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion: 96 Resp: 37993

Ion Ratio Lower Upper

96 100

61 137.6 108.6 162.8

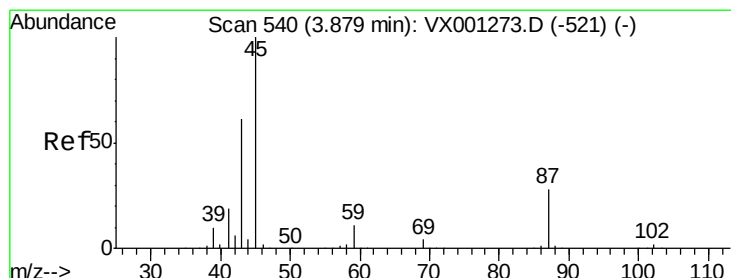
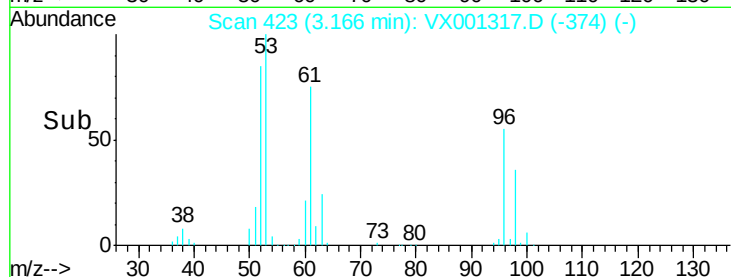
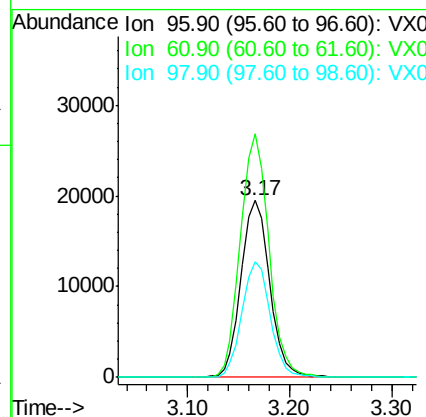
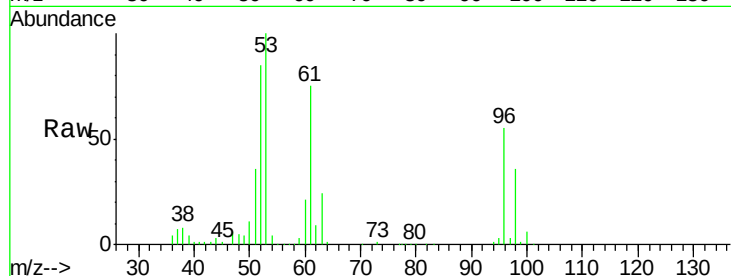
98 65.1 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

5/3/2018 12:21:18 PM



#22

Diisopropyl ether

Concen: 18.25 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion: 45 Resp: 109678

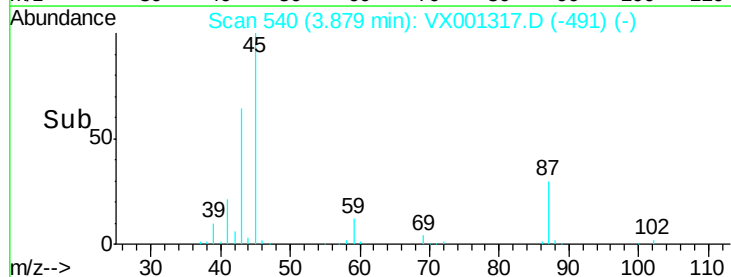
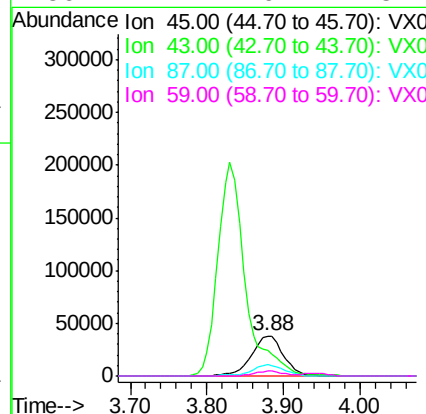
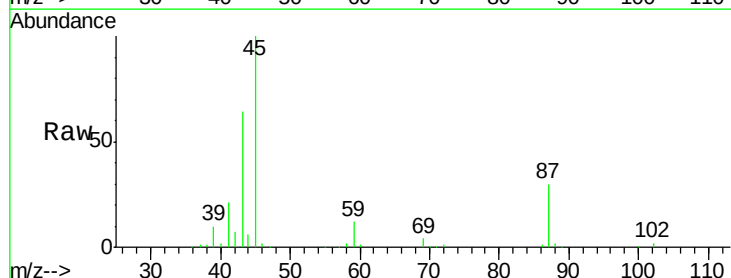
Ion Ratio Lower Upper

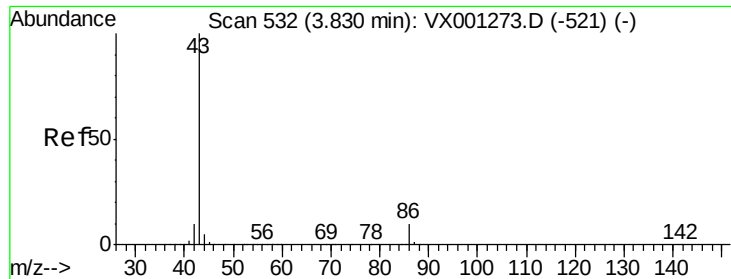
45 100

43 62.9 48.7 73.1

87 29.8 22.2 33.4

59 12.1 9.1 13.7





#23

Vinyl Acetate

Concen: 99.81 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS01

Tot Ion: 43 Resp: 508221

Ion Ratio Lower Upper

43 100

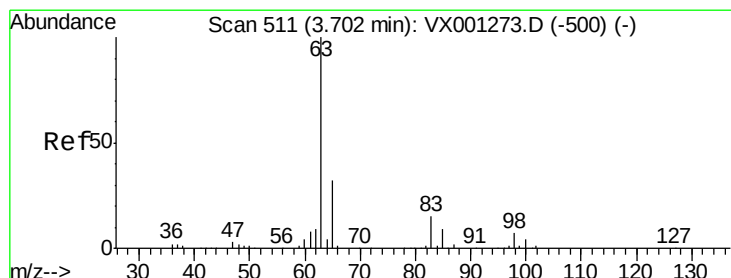
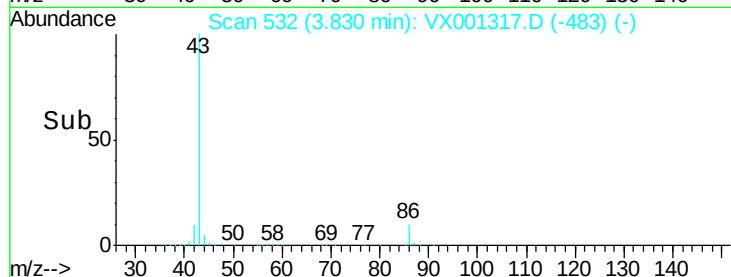
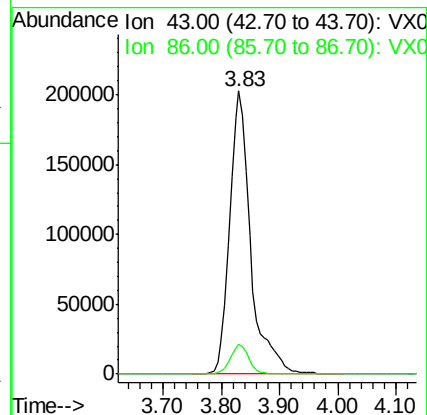
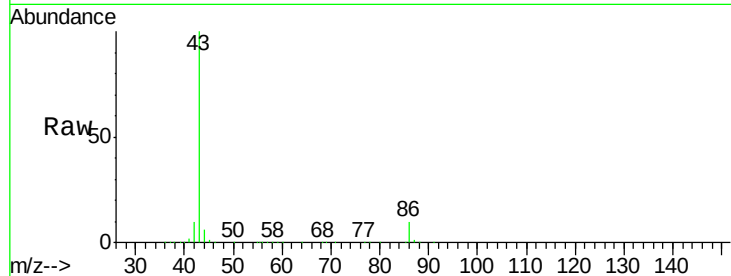
86 10.5 8.2 12.4

Manual Integrations

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MMDadoda

5/3/2018 12:21:18 PM



#24

1,1-Dichloroethane

Concen: 21.12 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

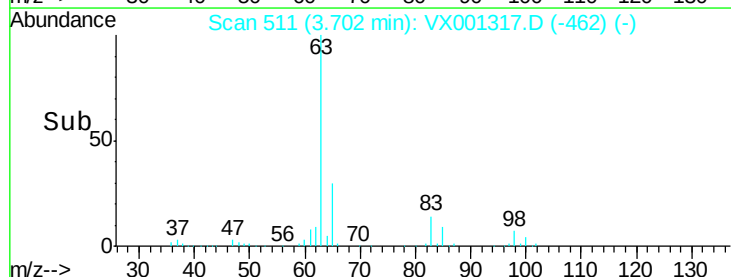
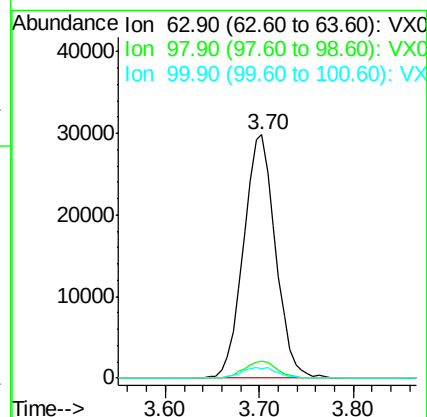
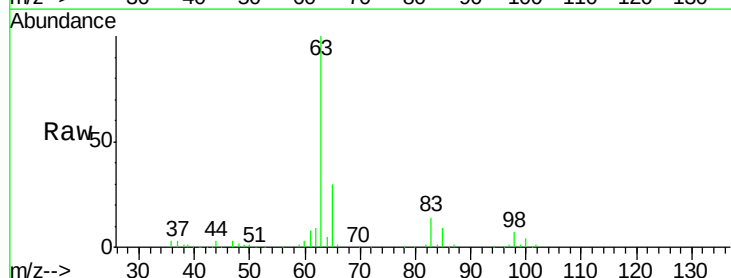
Tgt Ion: 63 Resp: 70710

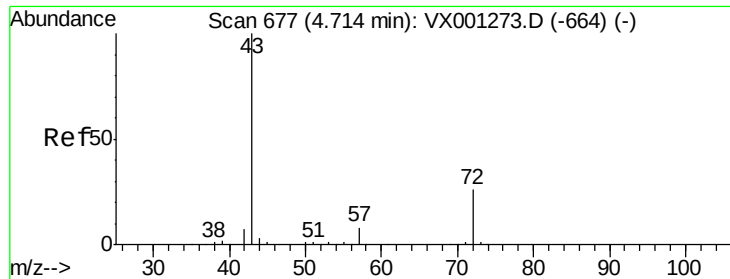
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 3.7 2.3 6.8





#25

2-Butanone

Concen: 100.49 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS01

Tot Ion: 43 Resp: 142732

Ion Ratio Lower Upper

43 100

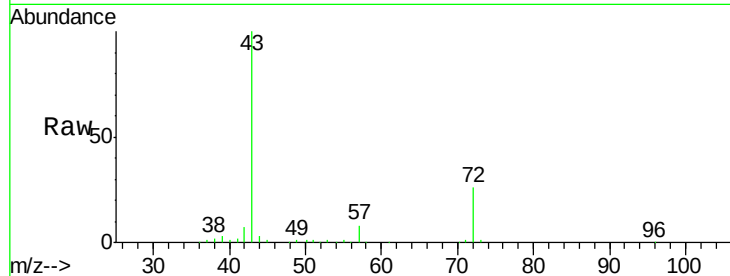
72 25.6 20.5 30.7

Manual Integrations

APPROVED

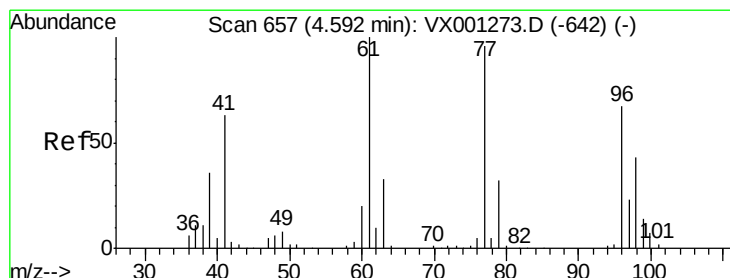
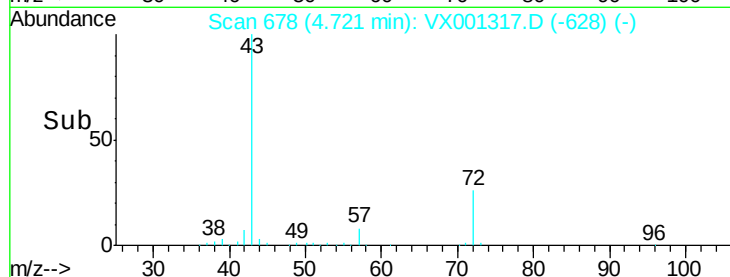
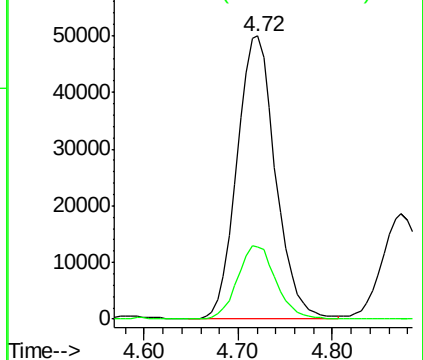
MMDadoda

5/3/2018 12:21:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.97 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001317.D

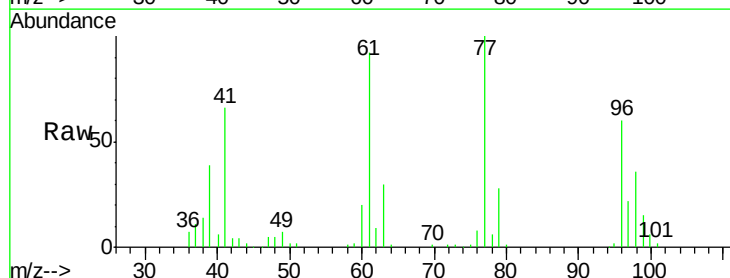
Acq: 02 May 2018 15:19

Tgt Ion: 77 Resp: 48943

Ion Ratio Lower Upper

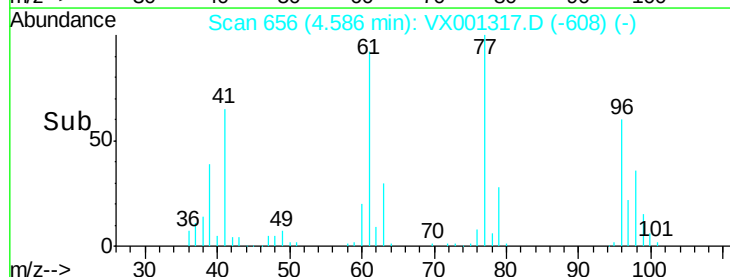
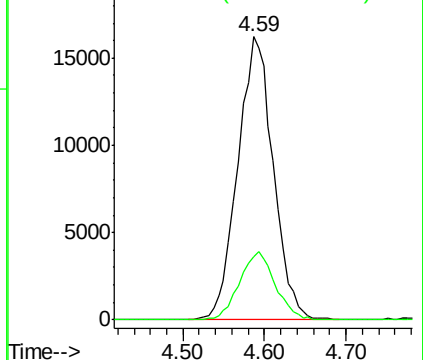
77 100

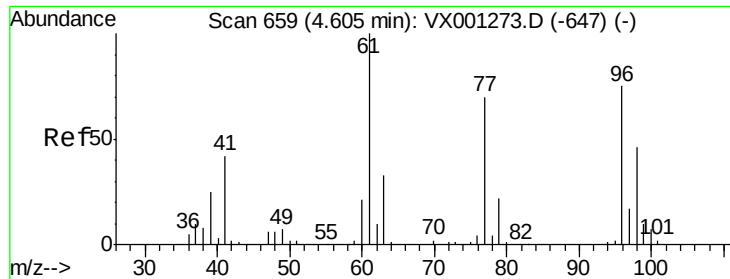
97 24.2 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 18.99 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

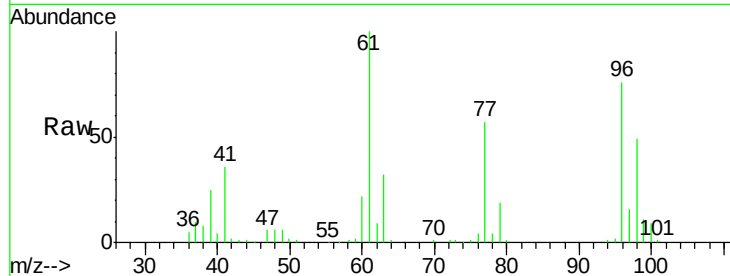
ClientSampled :

VX0502WBS01

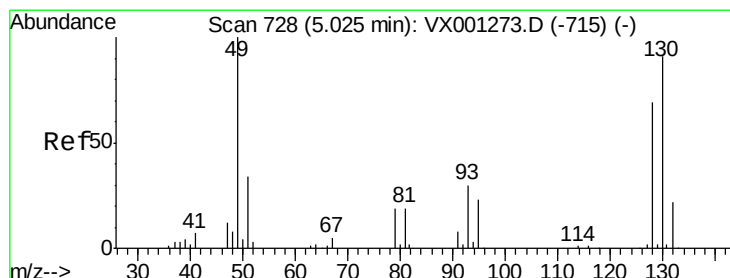
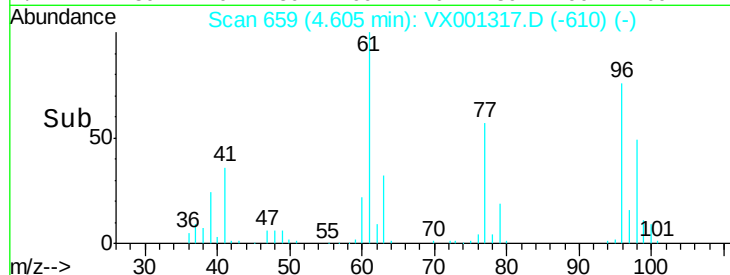
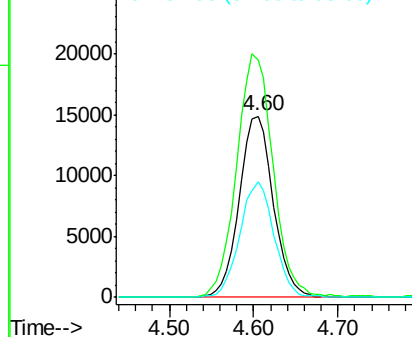
Tot Ion:	96	Resp:	40519
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	288.0
98	64.2	0.0	130.2

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



#28

Bromochloromethane

Concen: 22.05 ug/l

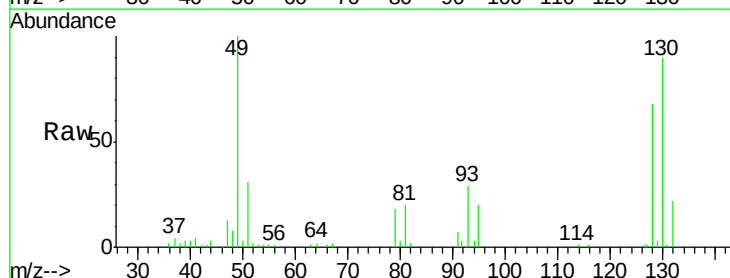
RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

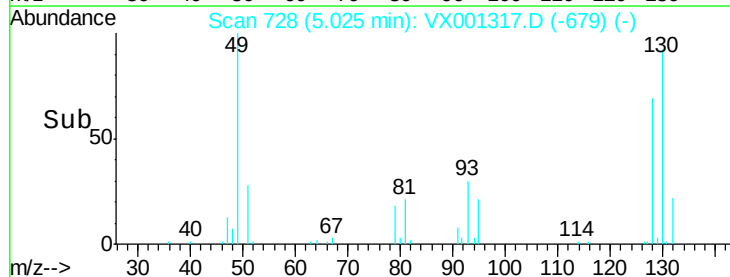
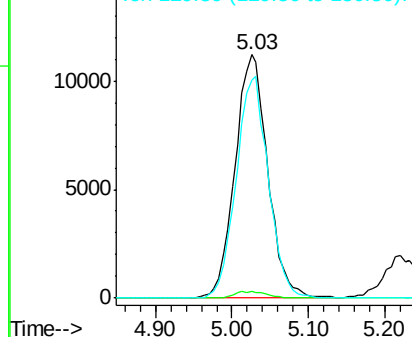
Lab File: VX001317.D

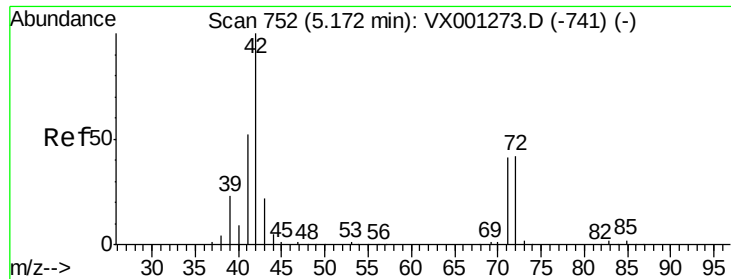
Acq: 02 May 2018 15:19

Tgt Ion:	49	Resp:	33175
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	89.7	70.4	105.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





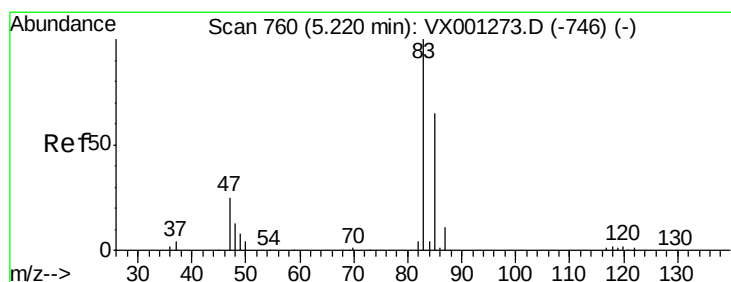
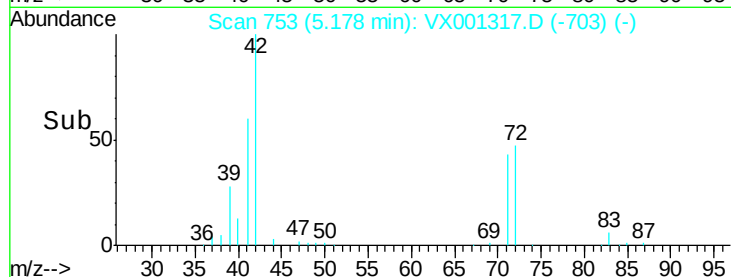
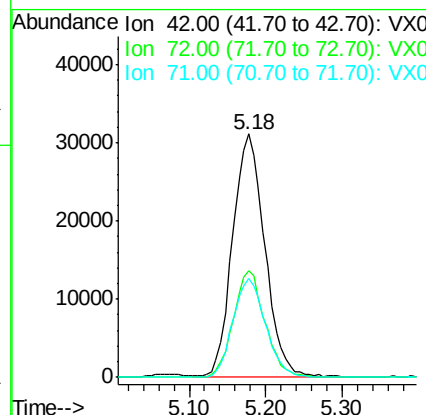
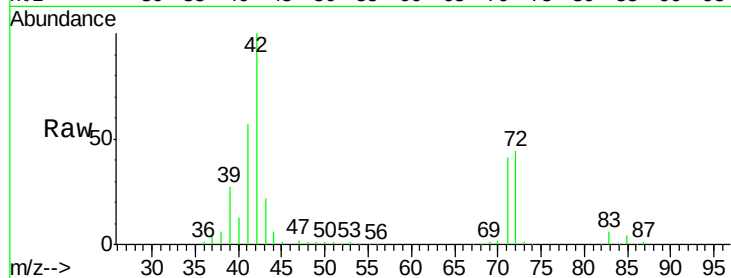
#29
Tetrahydrofuran
Concen: 103.32 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	52.0
71	41.4	32.7	49.1

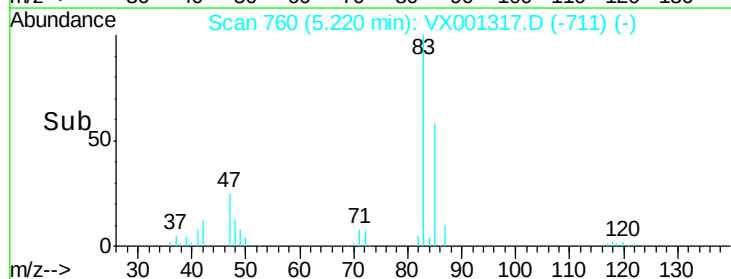
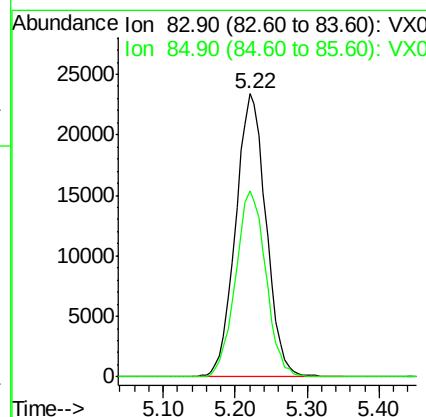
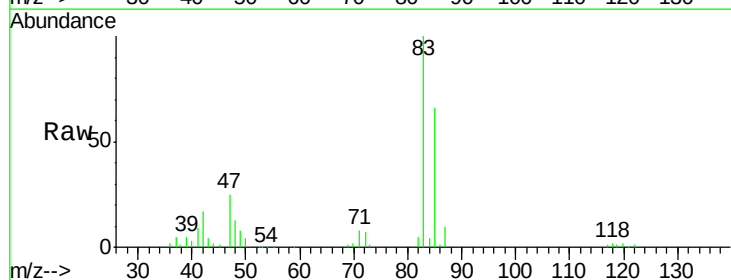
Manual Integrations
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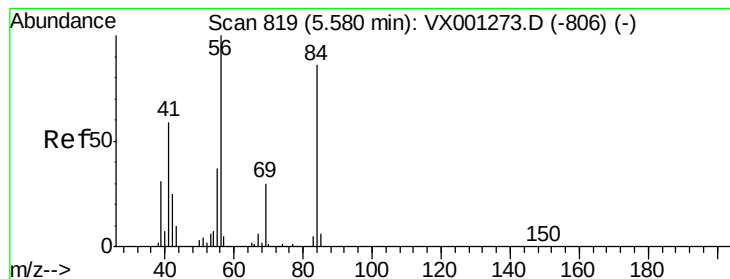
MMDadoda
5/3/2018 12:21:18 PM



#30
Chloroform
Concen: 19.39 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.2





#31

Cyclohexane

Concen: 18.36 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

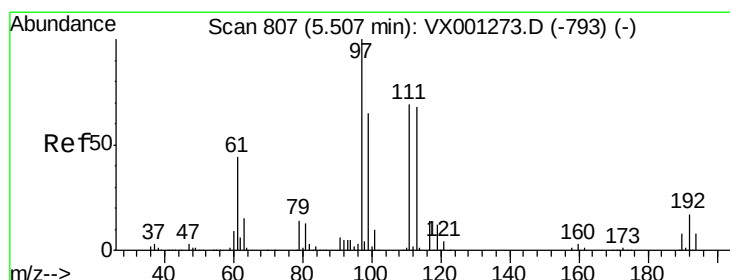
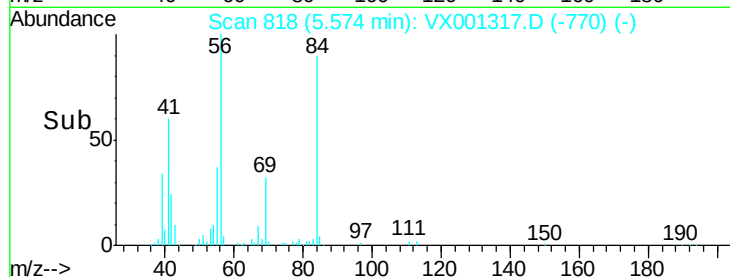
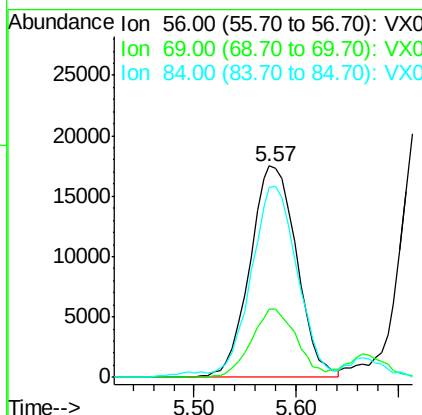
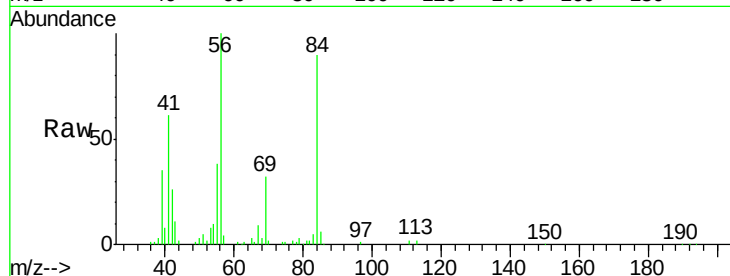
ClientSampled :

VX0502WBS01

Tot Ion:	56	Resp:	55501
Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.0	36.0
84	87.4	69.0	103.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.14 ug/l

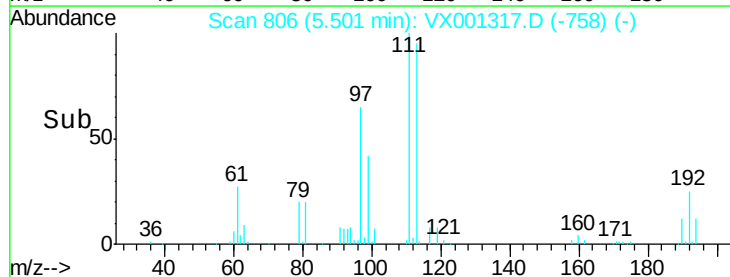
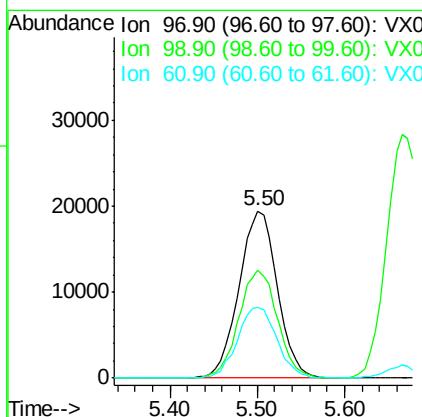
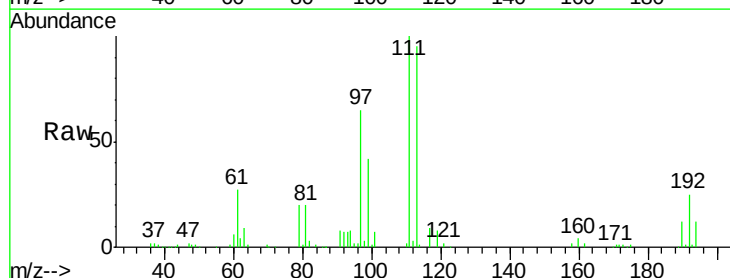
RT: 5.50 min Scan# 806

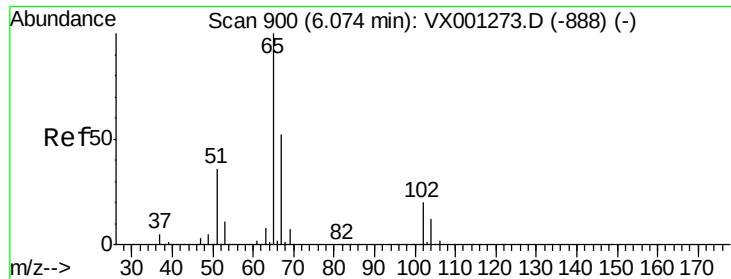
Delta R.T. -0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	97	Resp:	59197
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	43.5	35.4	53.2





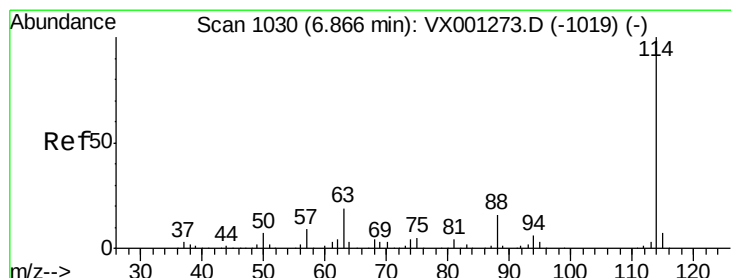
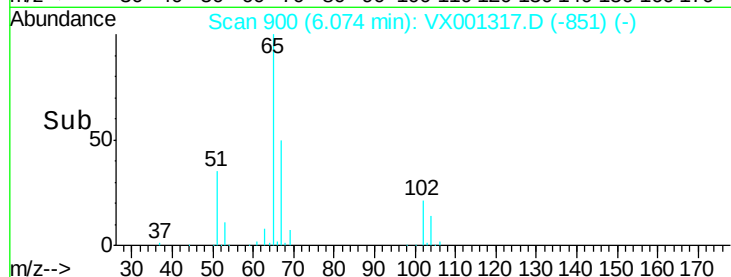
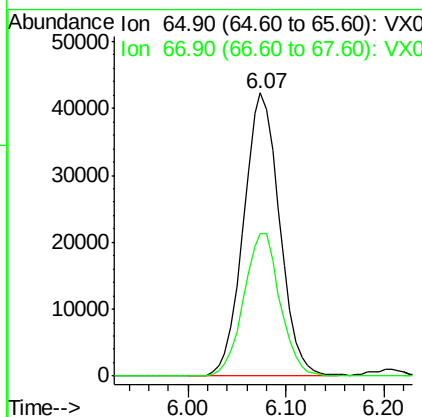
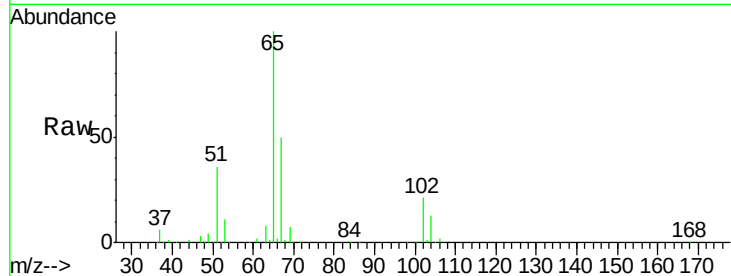
#33
 1,2-Dichloroethane-d4
 Concen: 44.02 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108320		
67	51.0	0.0	102.8	

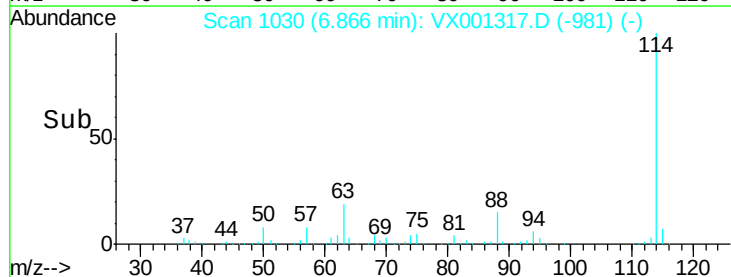
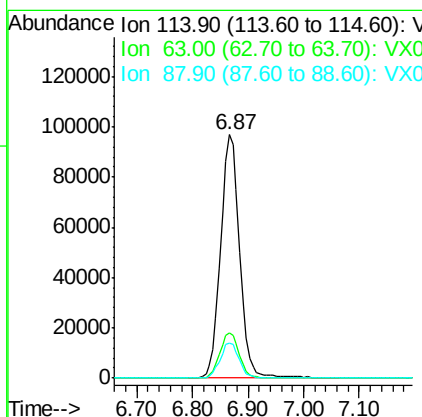
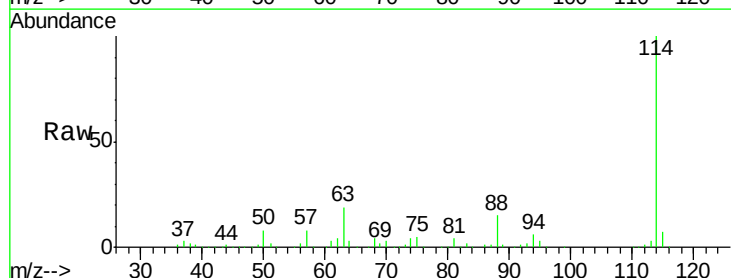
Manual Integrations
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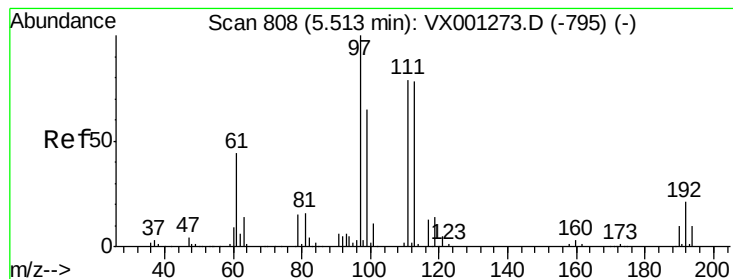
MMDadoda
 5/3/2018 12:21:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	229575		
63	18.6	0.0	38.8	
88	14.6	0.0	32.2	





#35

Dibromofluoromethane

Concen: 46.68 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

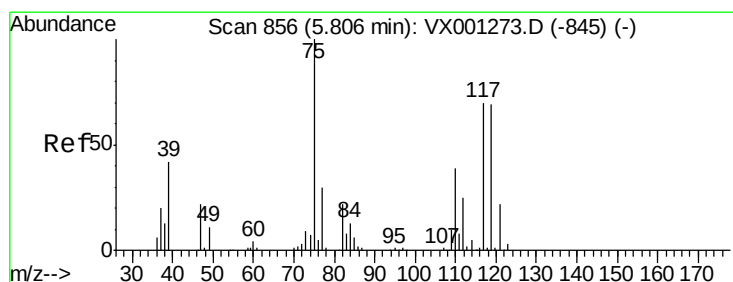
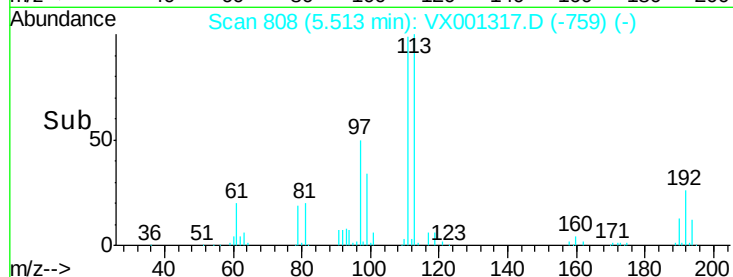
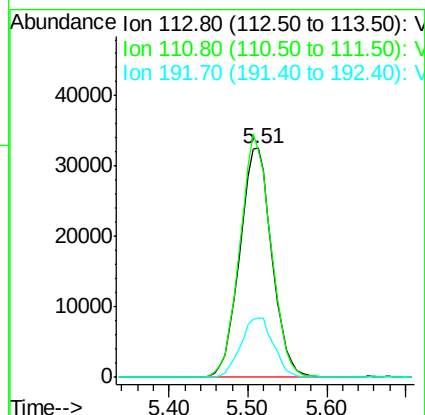
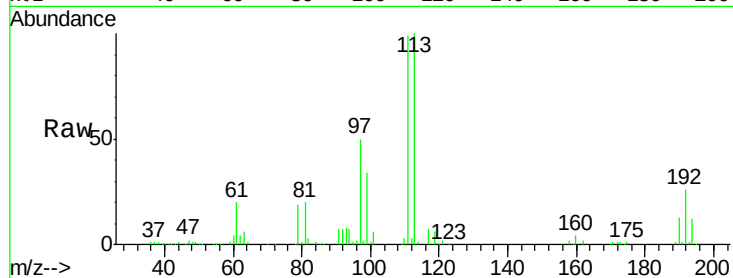
ClientSampled :

VX0502WBS01

Tot Ion:	113	Resp:	92323
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.2	121.8
192	26.4	20.7	31.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.78 ug/l

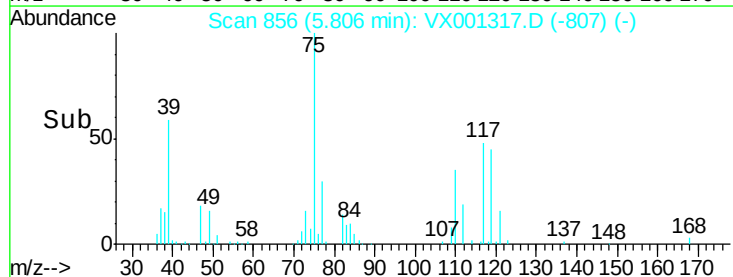
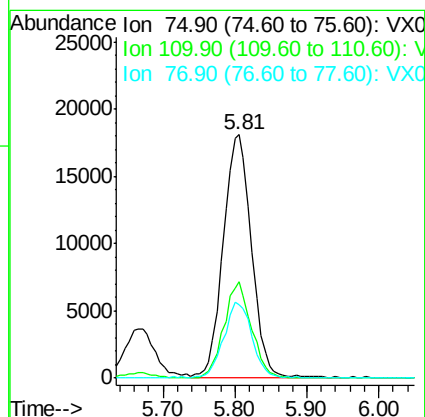
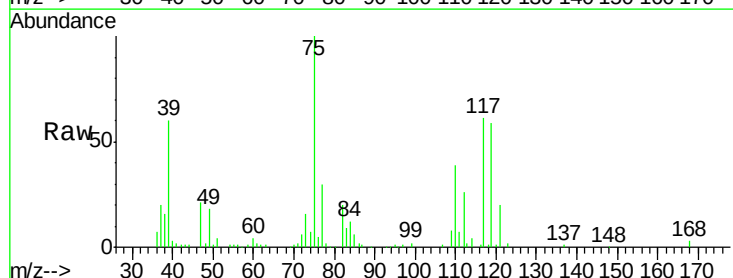
RT: 5.81 min Scan# 856

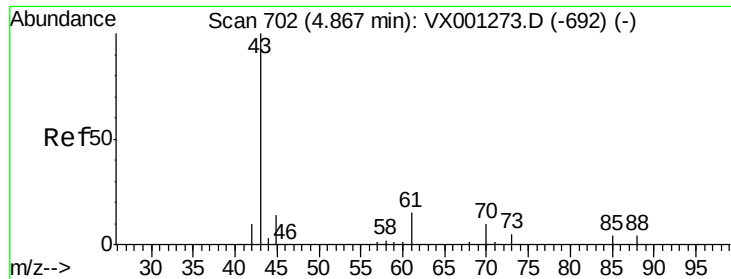
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	75	Resp:	49747
Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.9	56.9
77	31.2	24.2	36.2





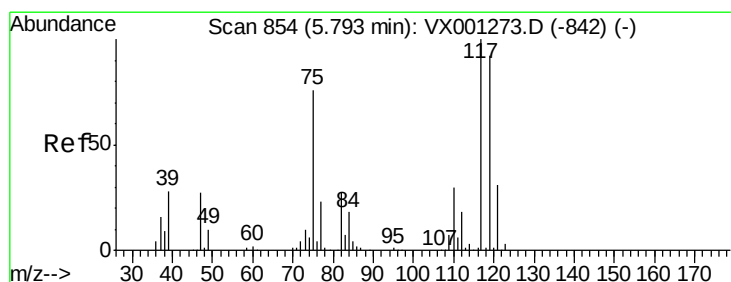
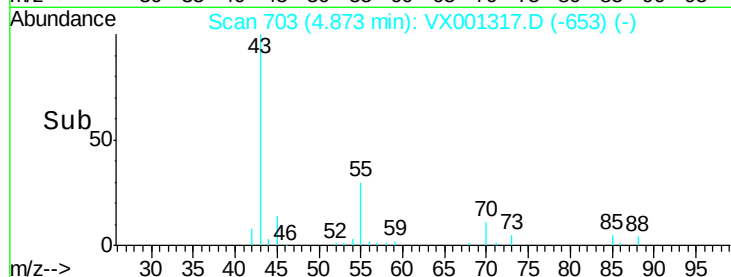
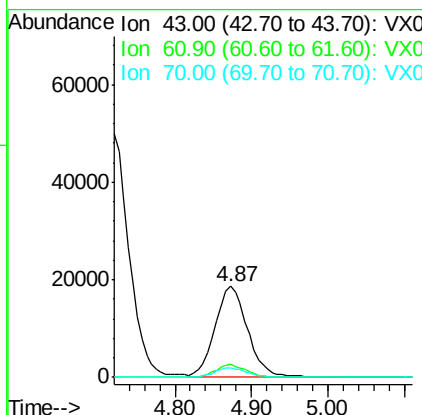
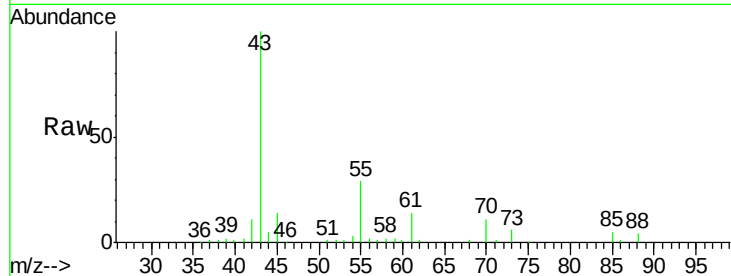
#37
Ethyl Acetate
Concen: 20.34 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.6	8.0	12.0

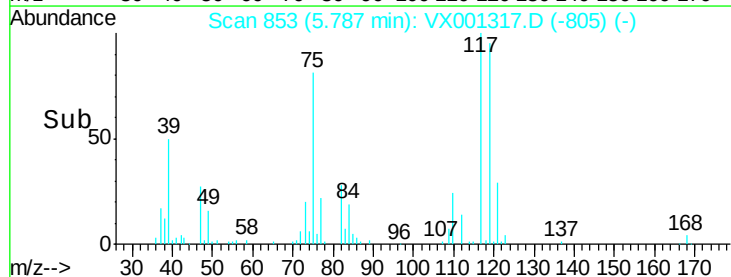
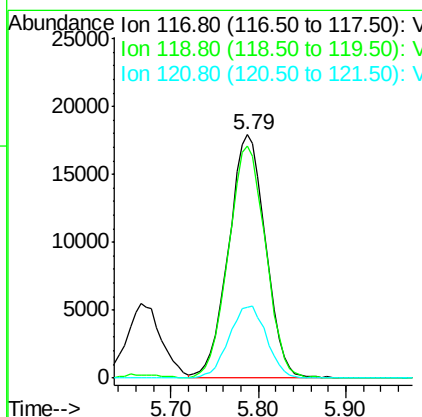
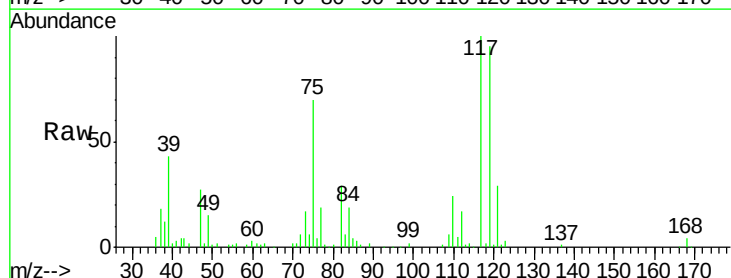
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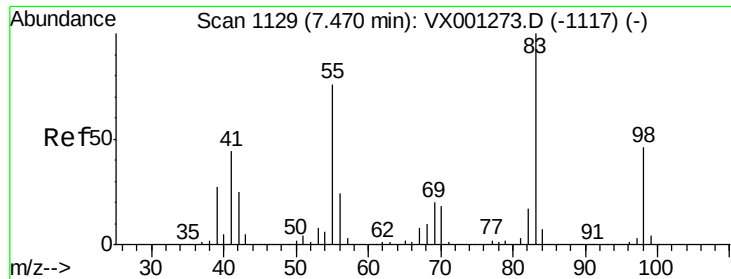
MMDadoda
5/3/2018 12:21:18 PM



#38
Carbon Tetrachloride
Concen: 19.04 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	73.4	110.2
121	28.9	25.0	37.4





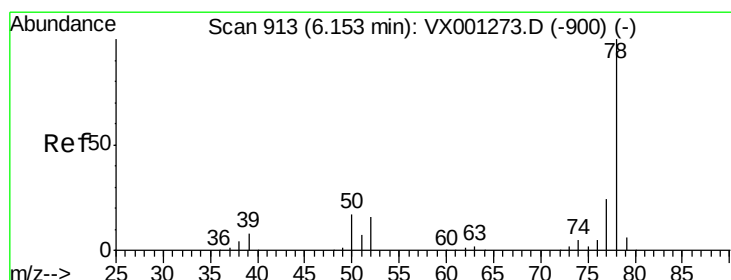
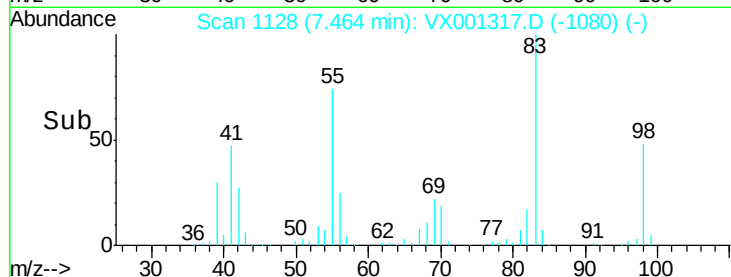
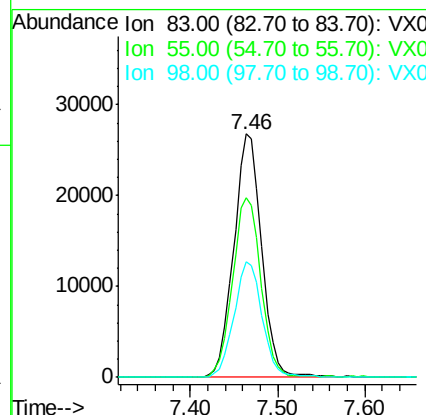
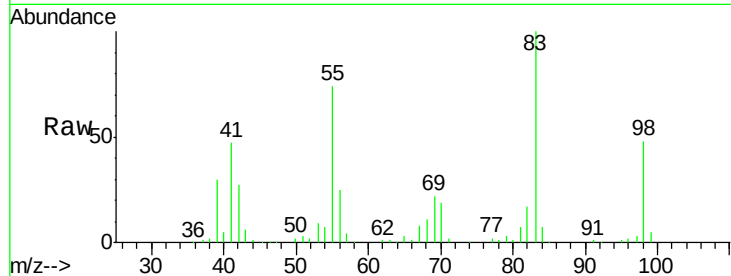
#39
Methylvlcyclohexane
Concen: 18.97 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	60.4	90.6
98	47.7	37.0	55.6

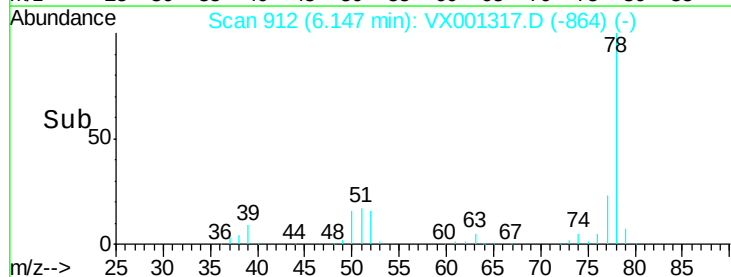
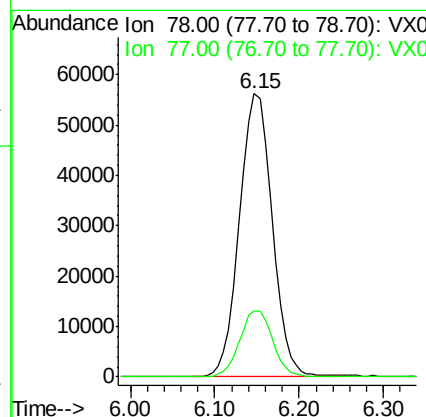
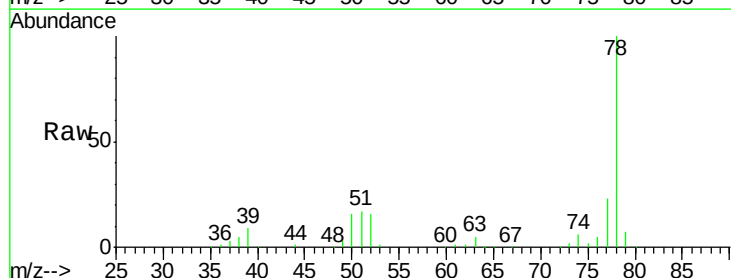
Manual Integrations
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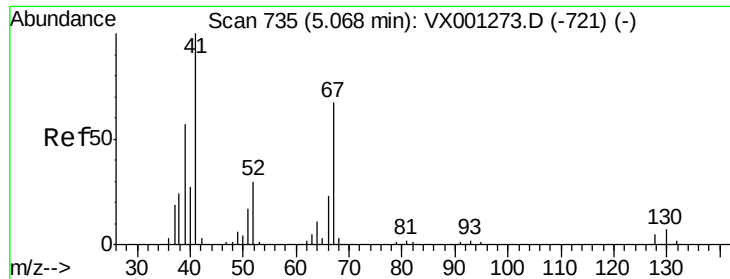
MMDadoda
5/3/2018 12:21:18 PM



#40
Benzene
Concen: 19.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





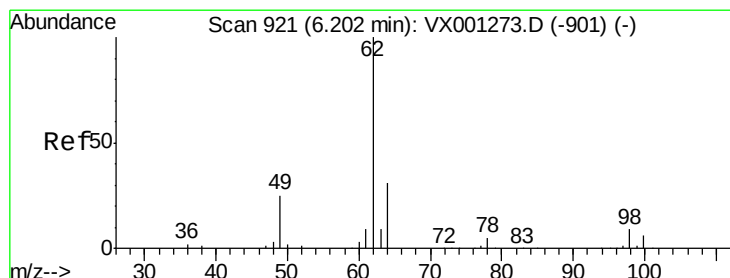
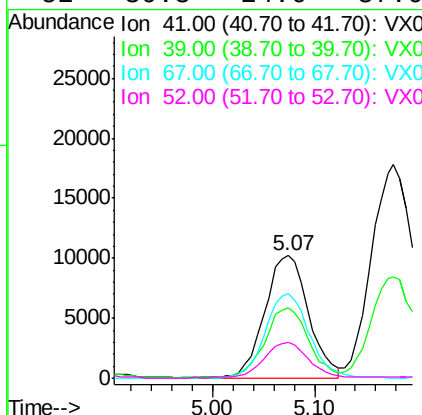
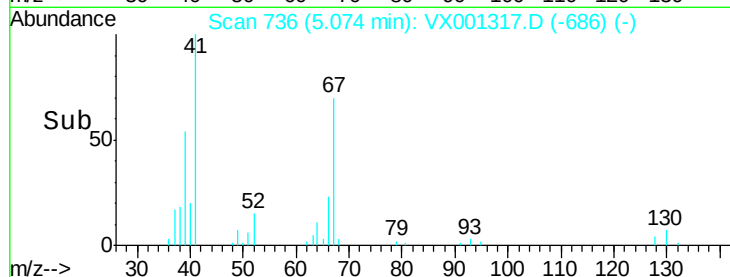
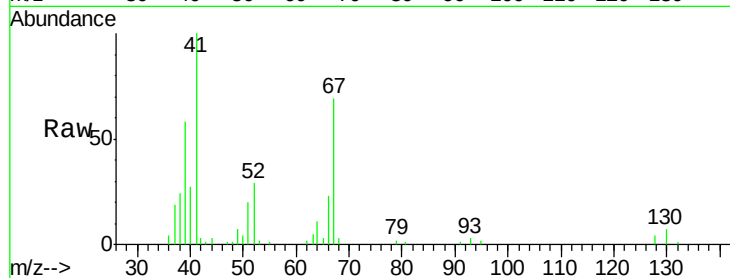
#41
Methacrylonitrile
Concen: 19.57 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	45.8	68.8	
67	69.4	54.8	82.2	
52	30.3	24.6	37.0	

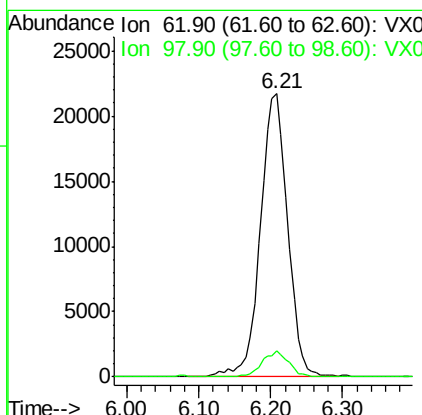
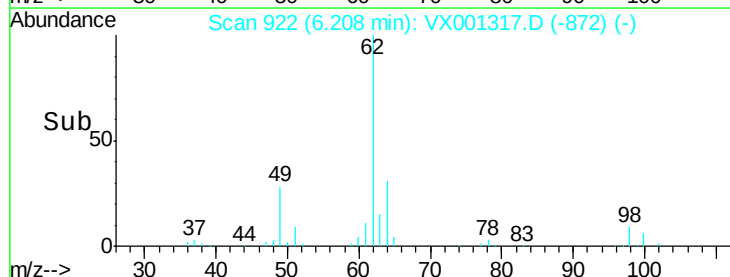
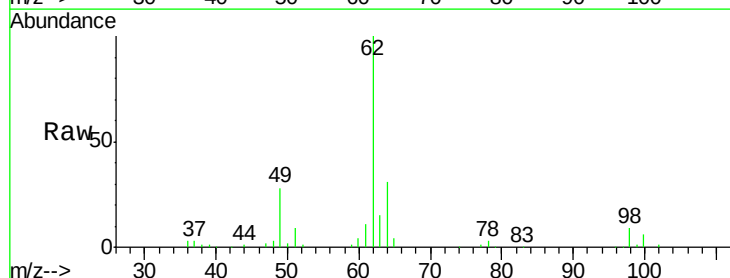
Manual Integrations
APPROVED

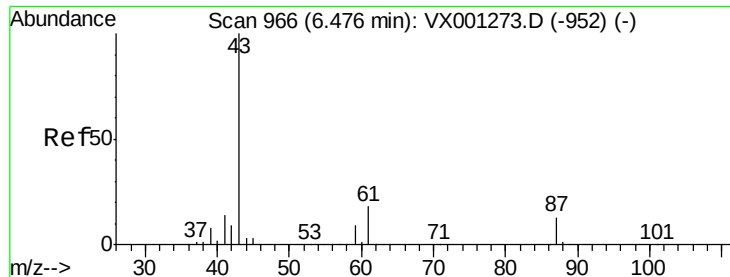
MMDadoda
5/3/2018 12:21:18 PM



#42
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.2	





#43

Isopropyl Acetate

Concen: 19.50 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

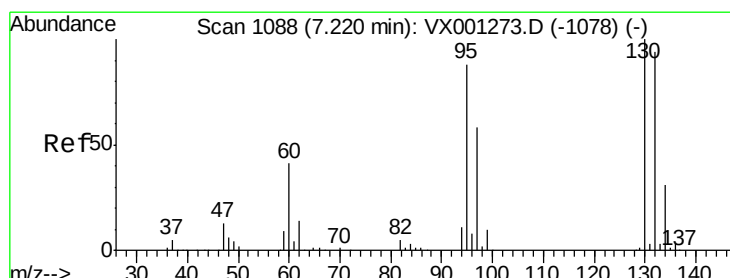
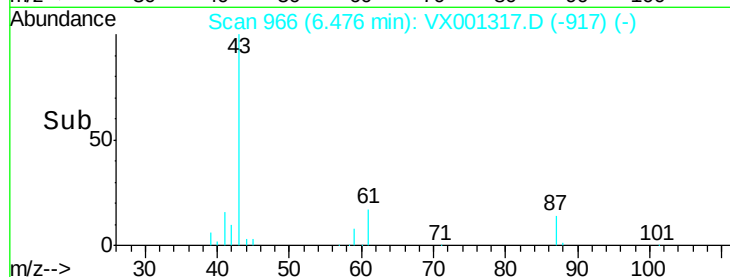
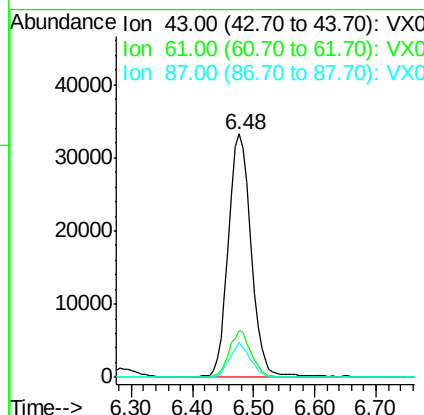
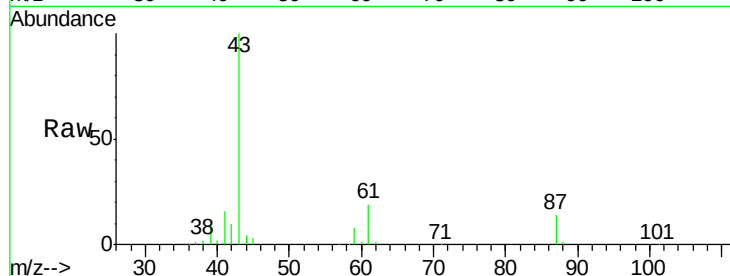
ClientSampled :

VX0502WBS01

Tot Ion:	43	Resp:	84469
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	12.9	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.58 ug/l

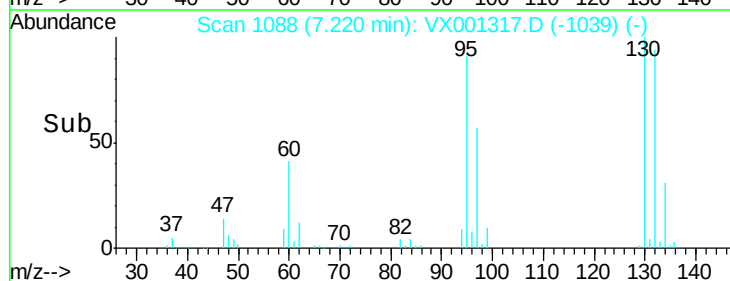
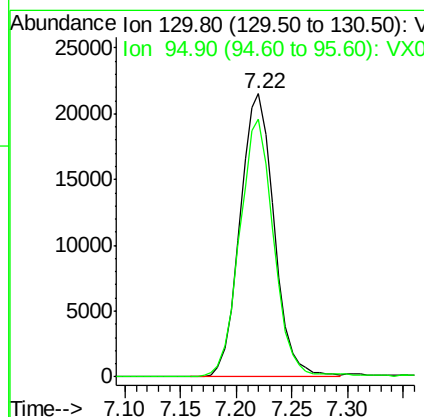
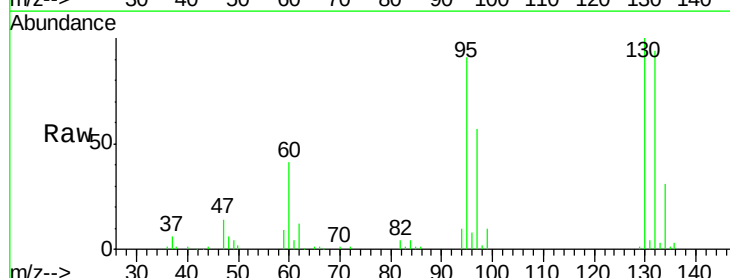
RT: 7.22 min Scan# 1088

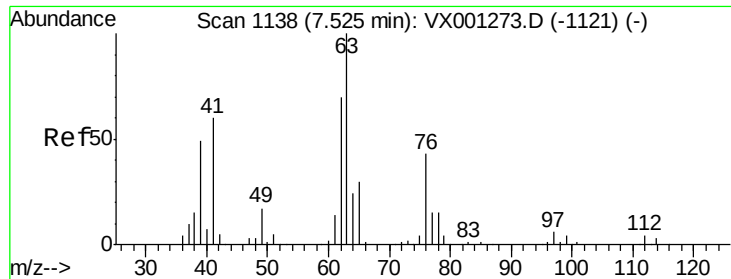
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	130	Resp:	45681
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	176.0





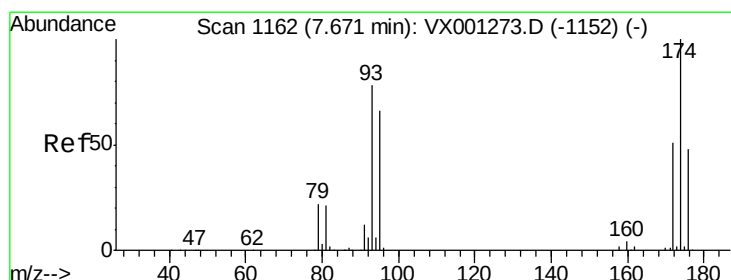
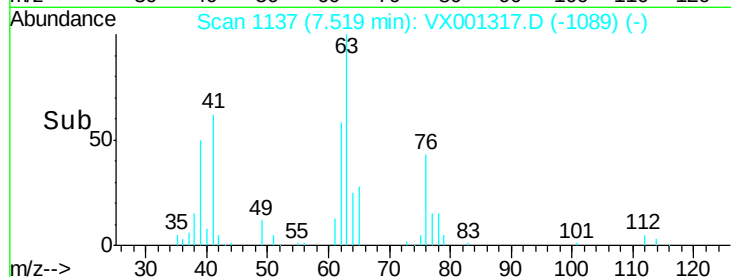
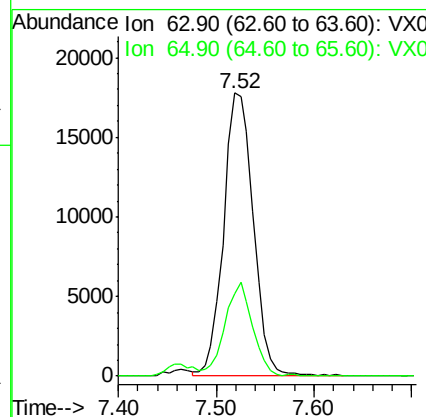
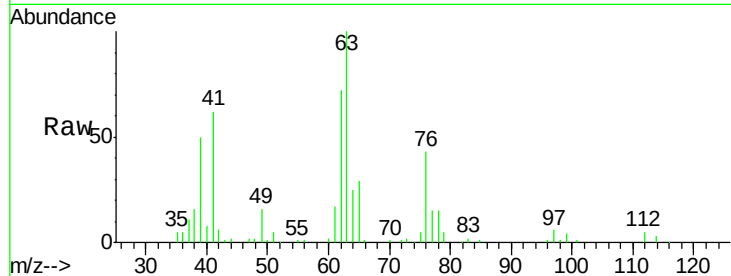
#45
 1,2-Dichloropropane
 Concen: 19.17 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Tot Ion: 63 Resp: 37531
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.2 36.4

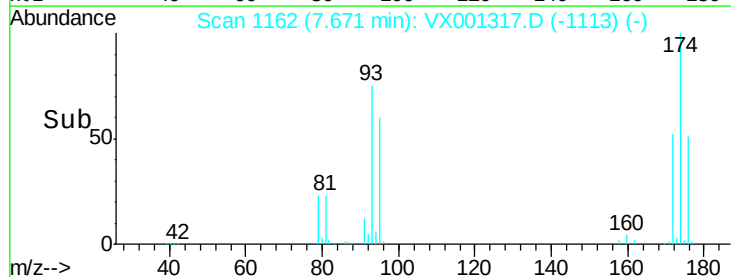
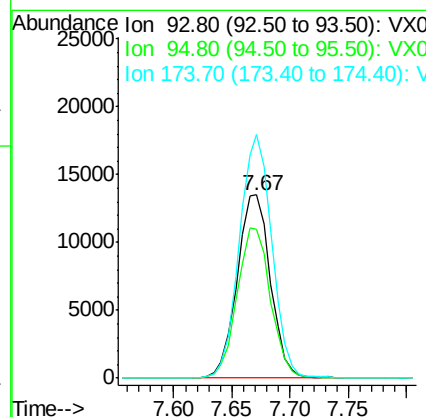
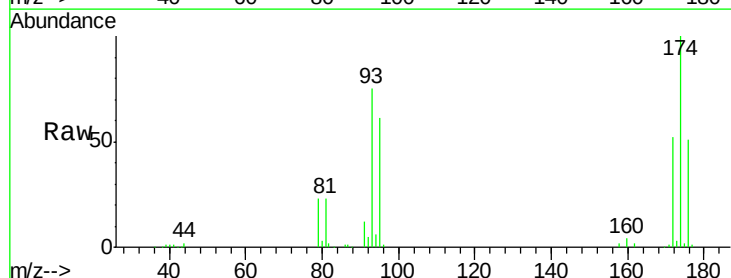
Manual Integrations
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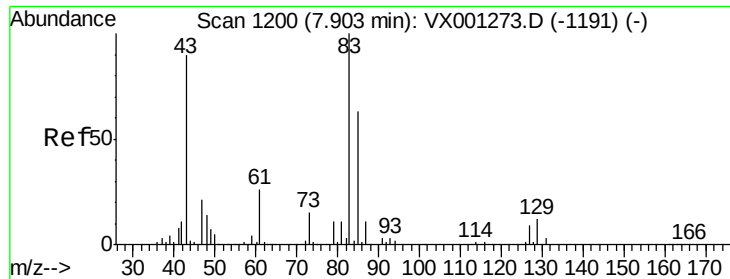
MMDadoda
 5/3/2018 12:21:18 PM



#46
 Dibromomethane
 Concen: 19.63 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion: 93 Resp: 26939
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.6
 174 129.6 102.3 153.5





#47

Bromodichloromethane

Concen: 19.29 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

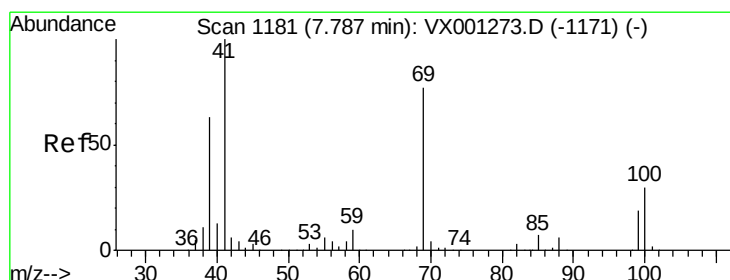
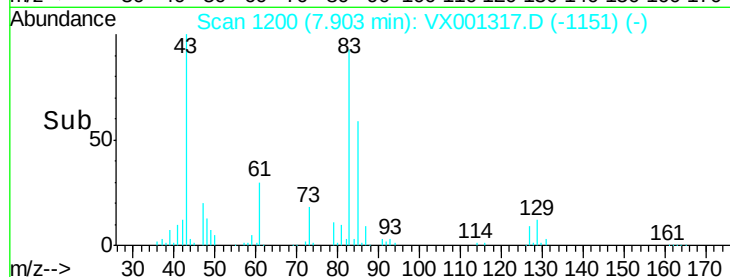
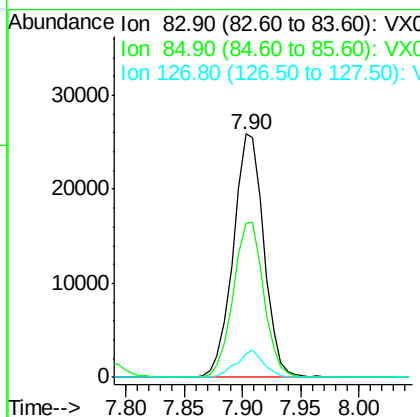
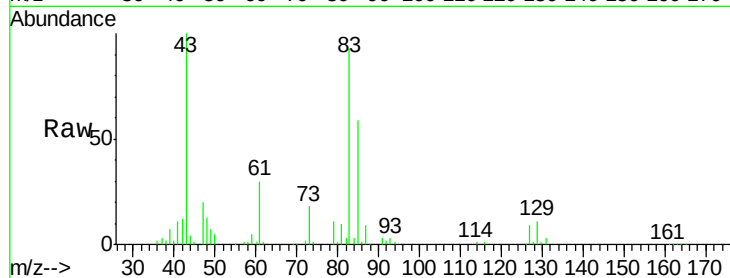
ClientSampleId :

VX0502WBS01

Tot Ion:	83	Resp:	47331
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.3	75.5
127	9.7	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:18 PM



#48

Methyl methacrylate

Concen: 19.41 ug/l

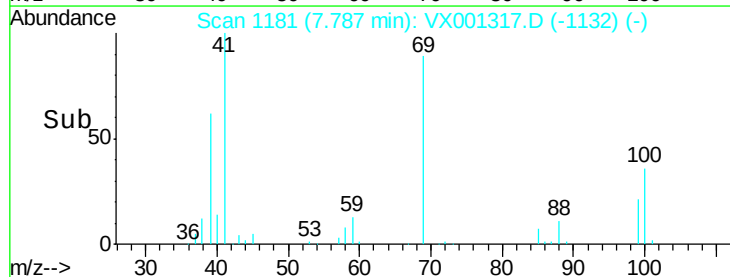
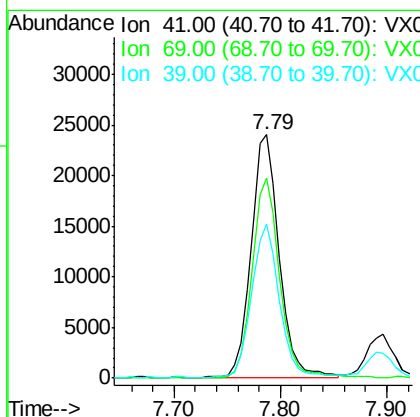
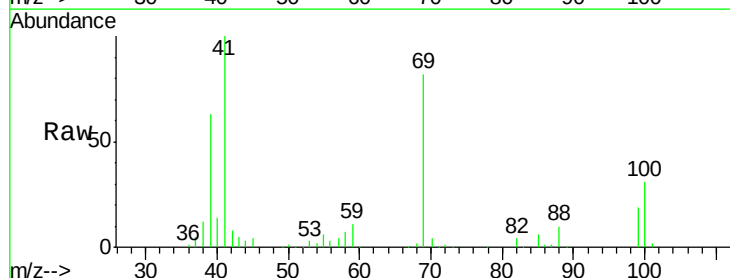
RT: 7.79 min Scan# 1181

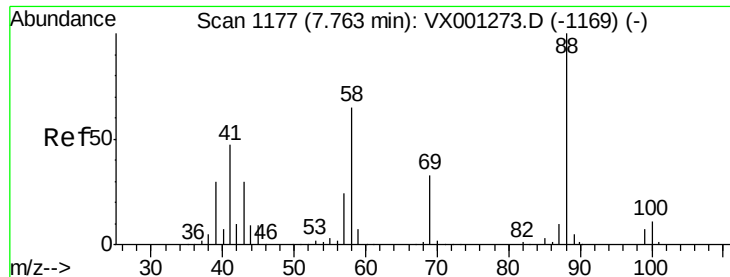
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	41	Resp:	44691
Ion	Ratio	Lower	Upper
41	100		
69	80.9	63.0	94.6
39	62.9	50.2	75.4





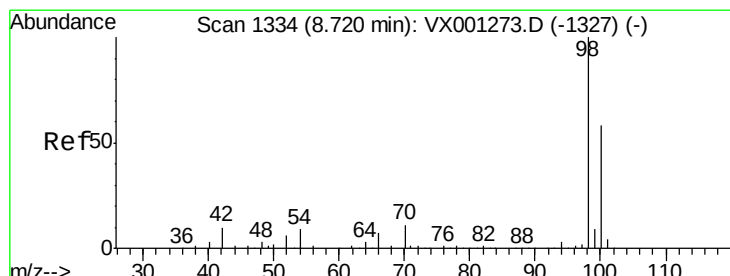
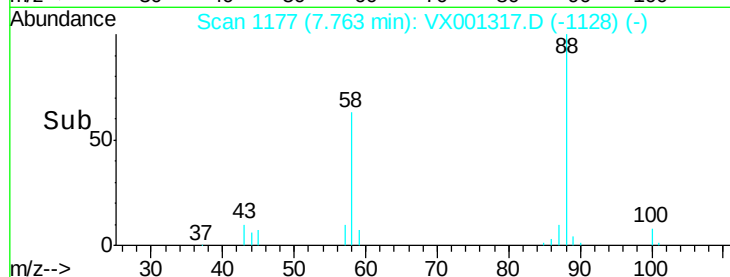
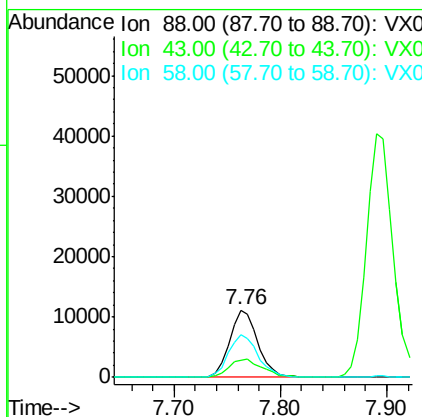
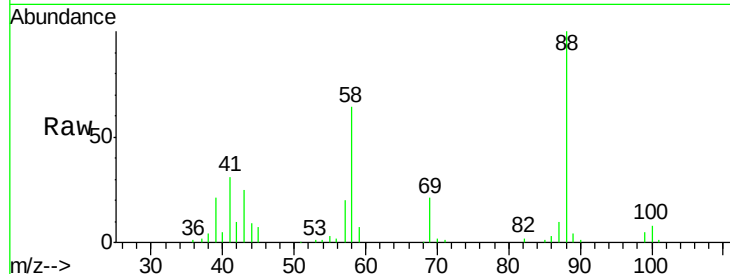
#49
1,4-Dioxane
Concen: 475.41 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	27.9	41.9
58	67.0	54.2	81.2

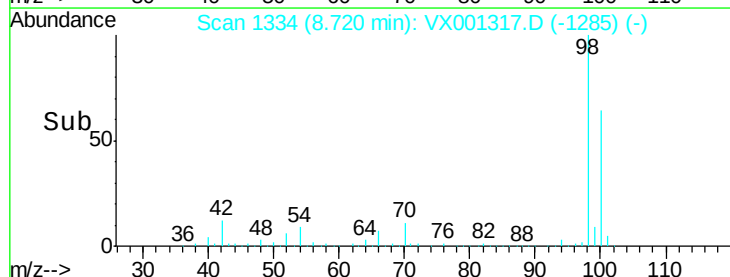
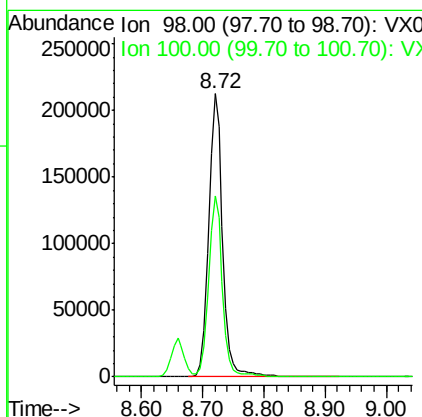
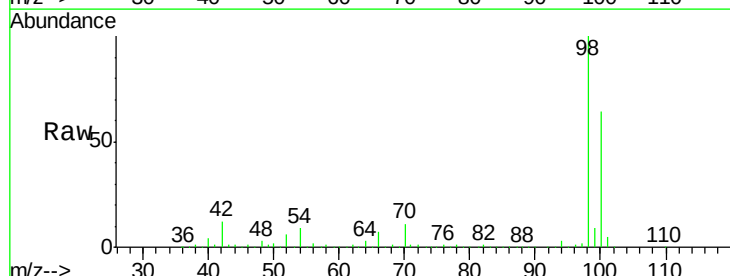
Manual Integrations
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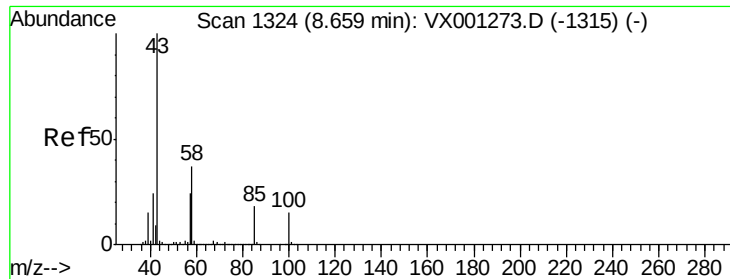
MMDadoda
5/3/2018 12:21:18 PM



#50
Toluene-d8
Concen: 48.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.4





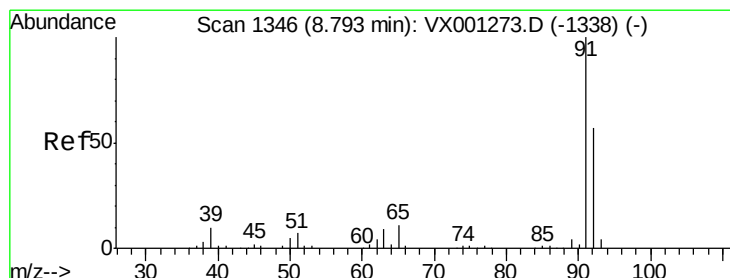
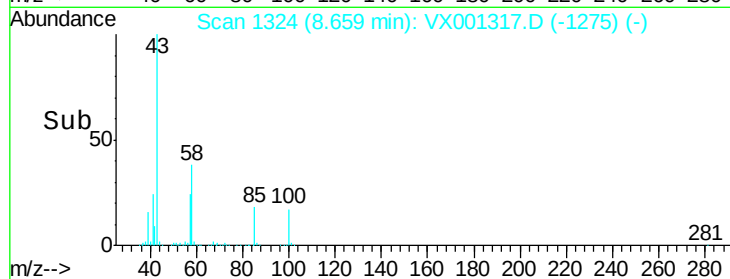
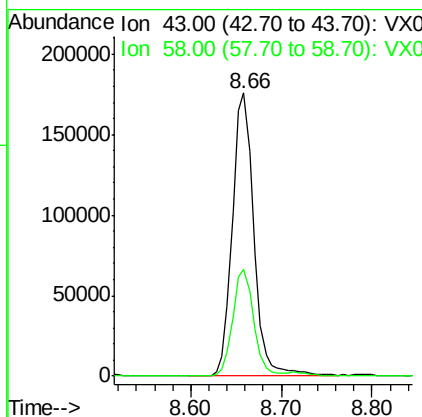
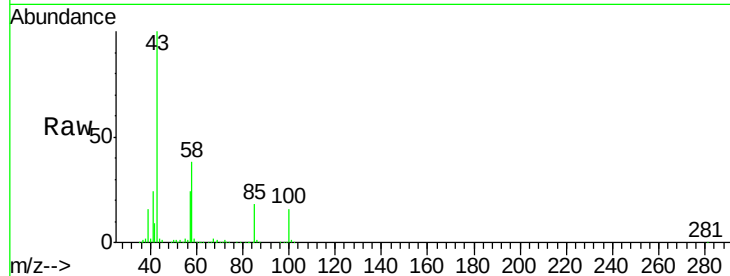
#51
4-Methyl-2-Pentanone
Concen: 104.28 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.0	43.6

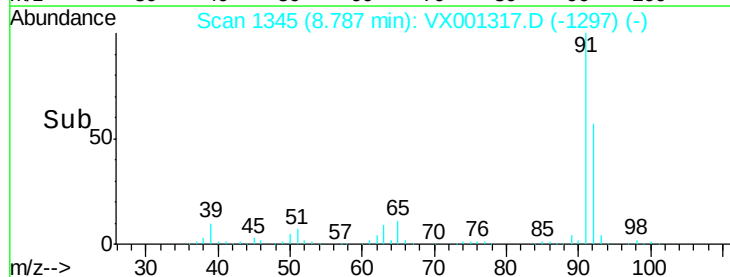
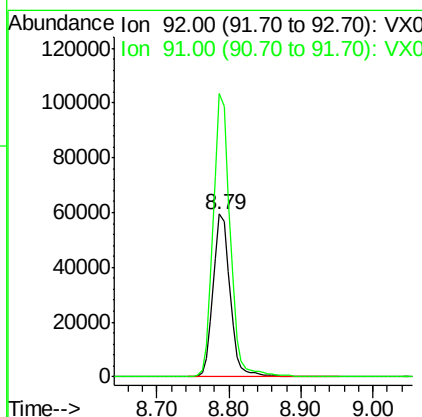
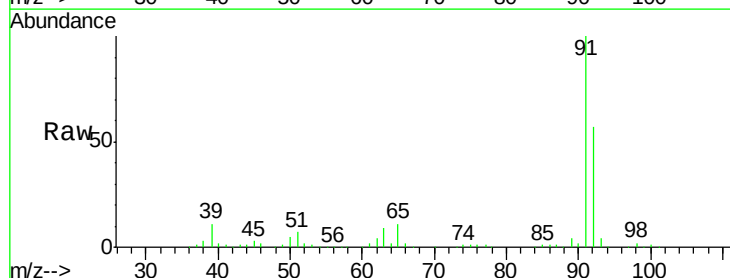
Manual Integrations
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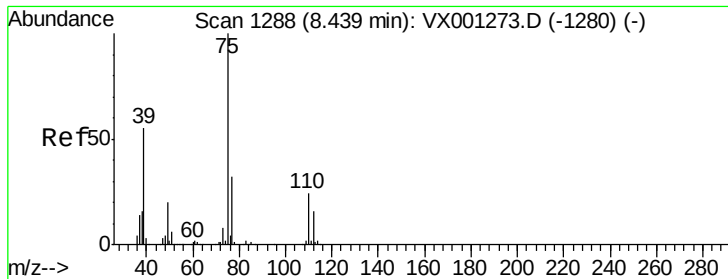
MMDadoda
5/3/2018 12:21:18 PM



#52
Toluene
Concen: 19.61 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.0	208.6





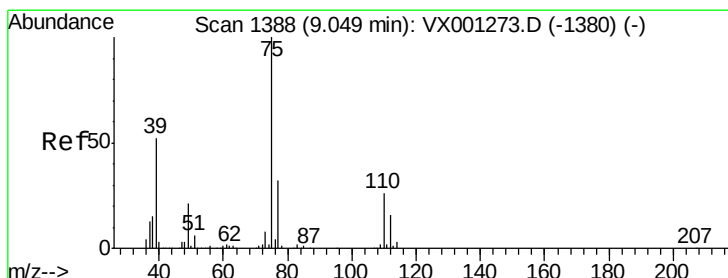
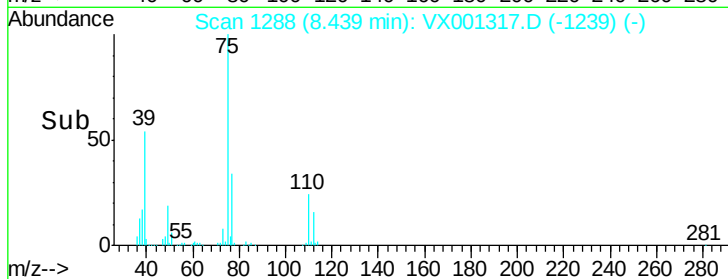
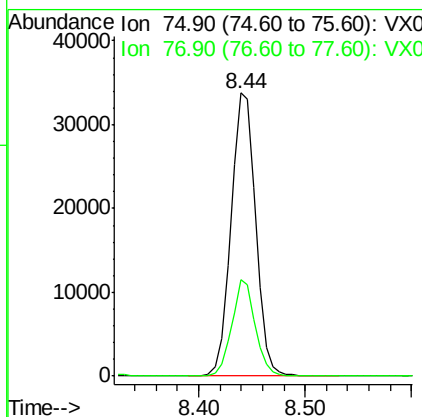
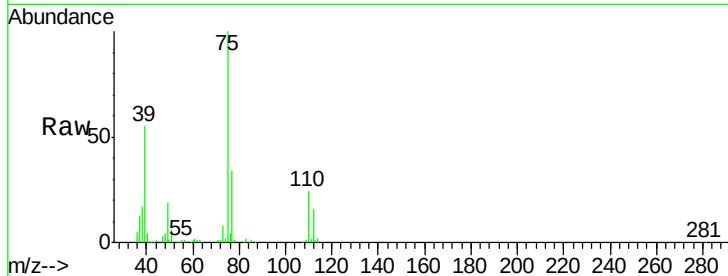
#53
t-1,3-Dichloropropene
Concen: 18.80 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.6	38.4

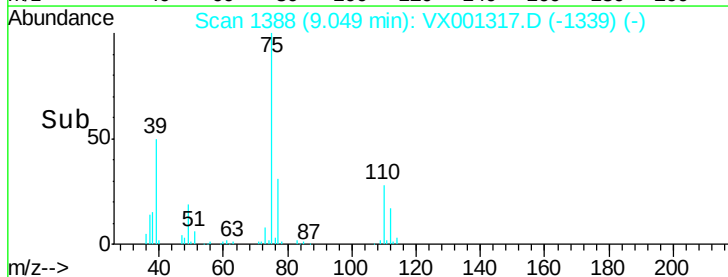
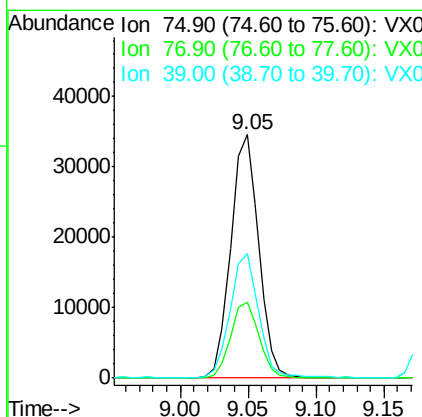
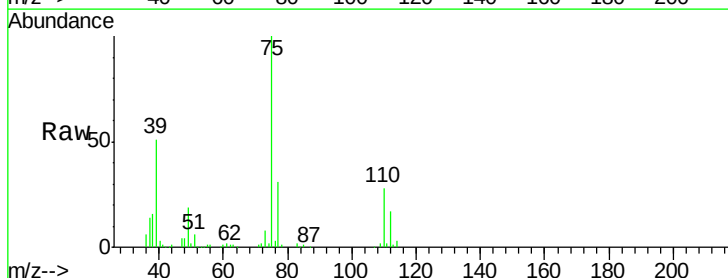
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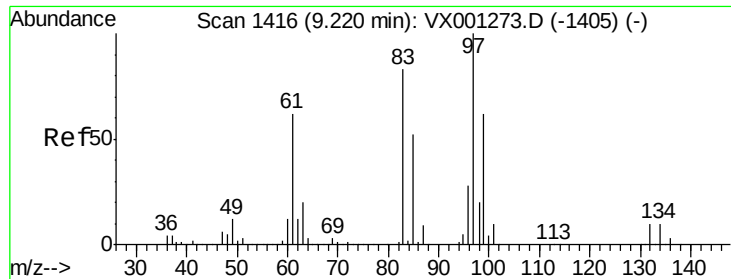
MMDadoda
5/3/2018 12:21:18 PM



#54
cis-1,3-Dichloropropene
Concen: 18.40 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3
39	50.7	41.9	62.9





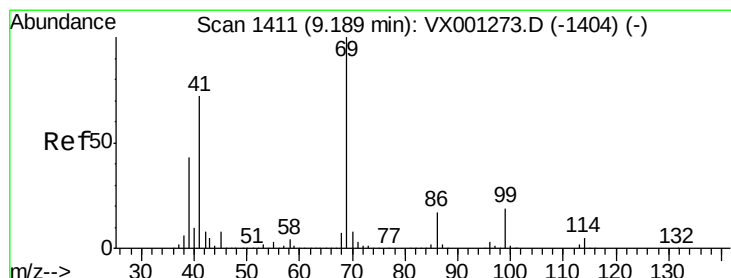
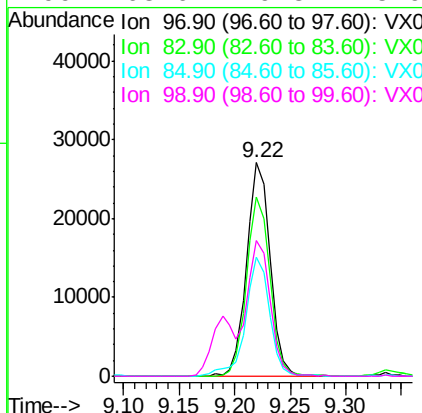
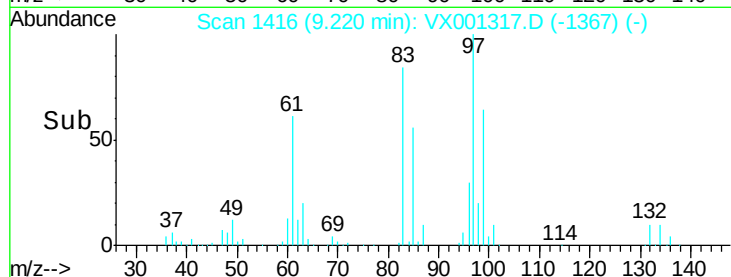
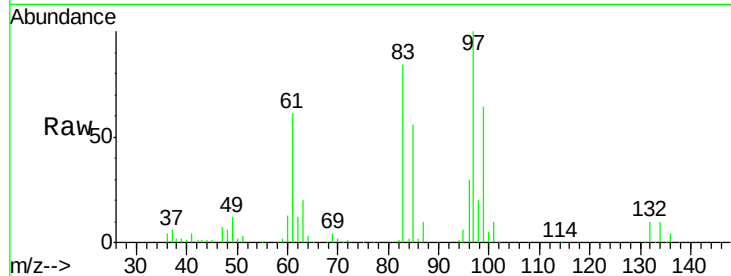
#55
 1,1,2-Trichloroethane
 Concen: 19.84 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		39931		
83	83.6	66.4	99.6		
85	56.0	41.6	62.4		
99	63.6	49.3	73.9		

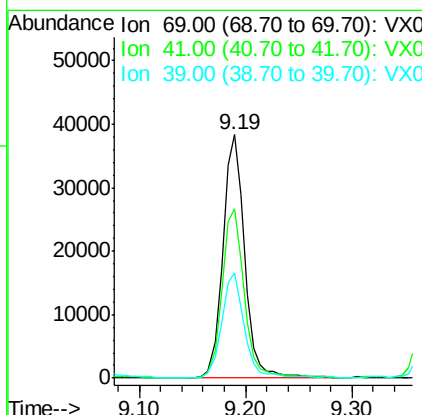
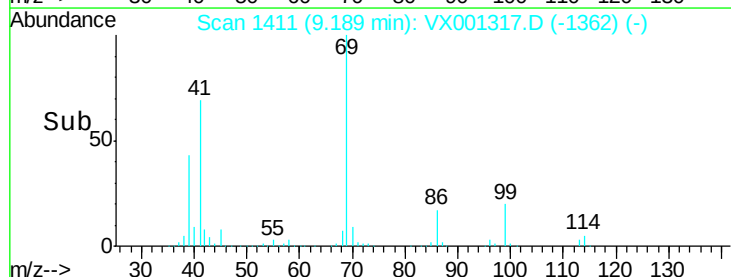
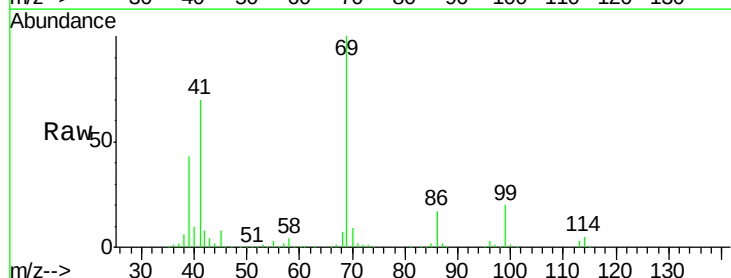
Manual Integrations
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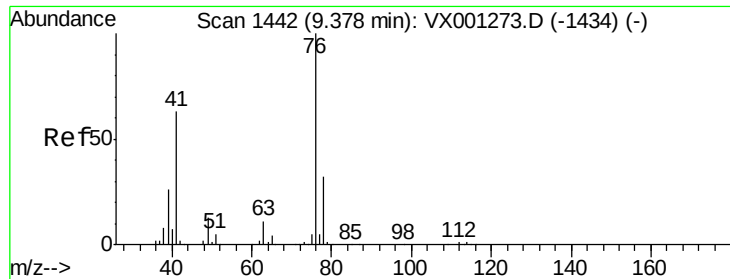
MMDadoda
 5/3/2018 12:21:18 PM



#56
 Ethyl methacrylate
 Concen: 19.75 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		55070		
41	70.4	57.2	85.8		
39	44.1	34.3	51.5		





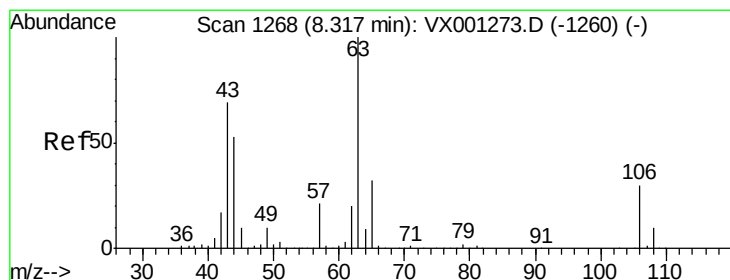
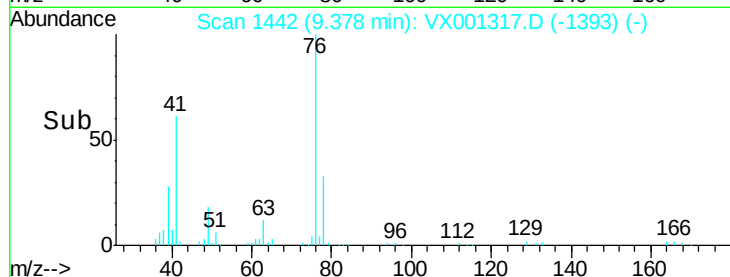
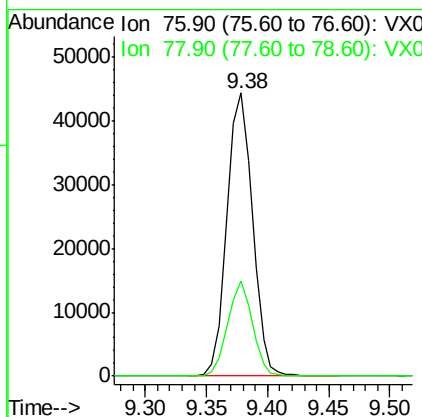
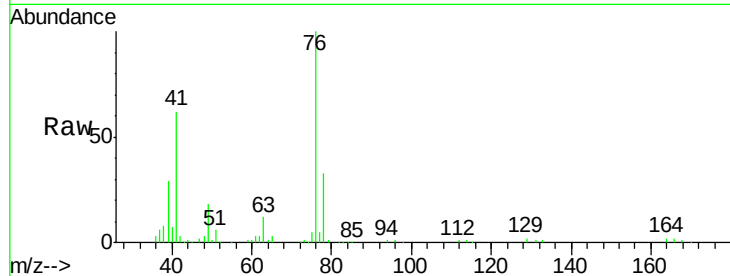
#57
 1,3-Dichloropropane
 Concen: 19.86 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

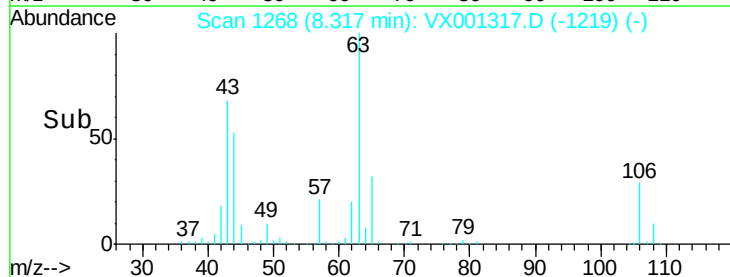
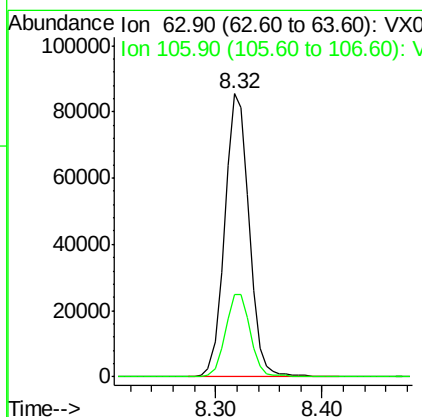
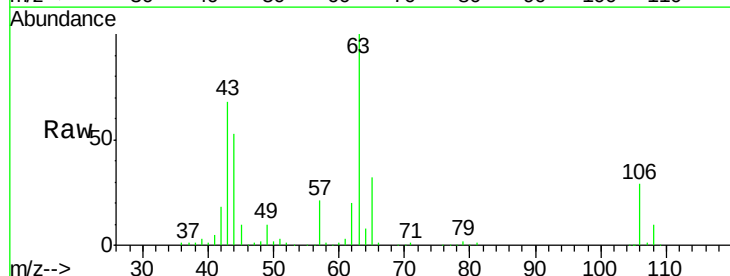
Manual Integrations
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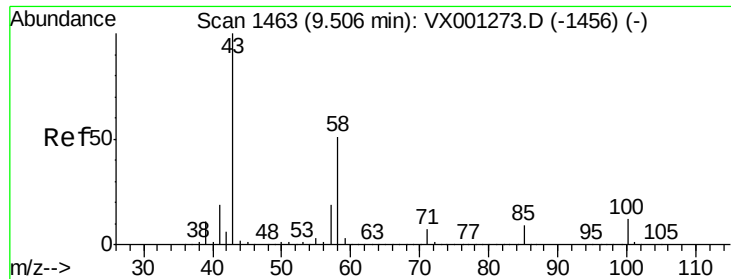
MMDadoda
 5/3/2018 12:21:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.89 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.6





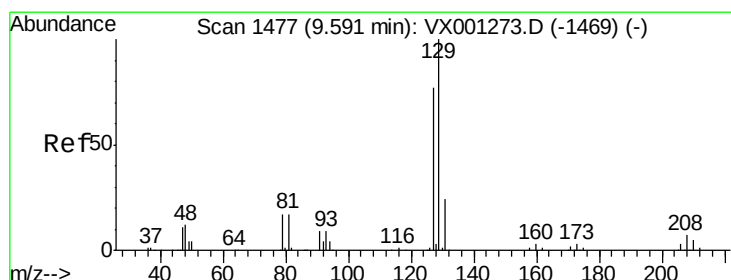
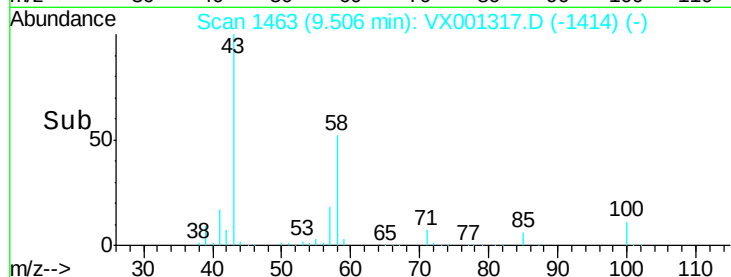
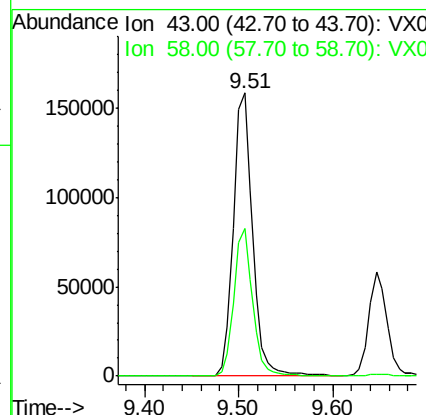
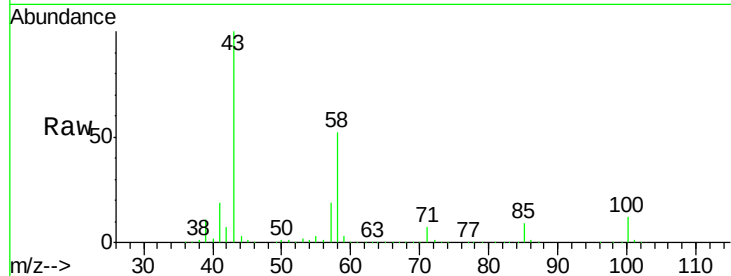
#59
2-Hexanone
Concen: 103.35 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.7	77.0

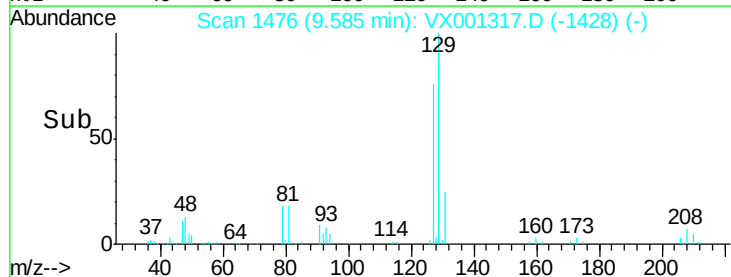
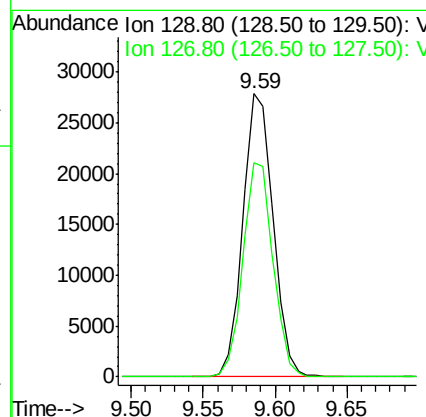
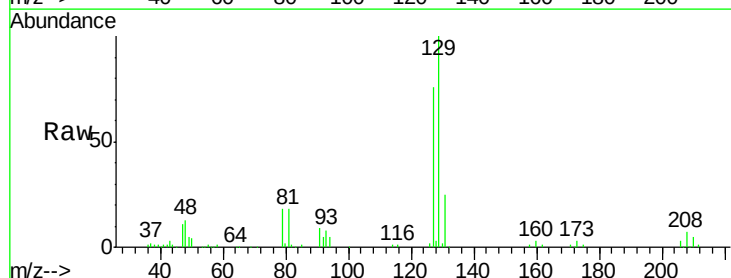
Manual Integrations
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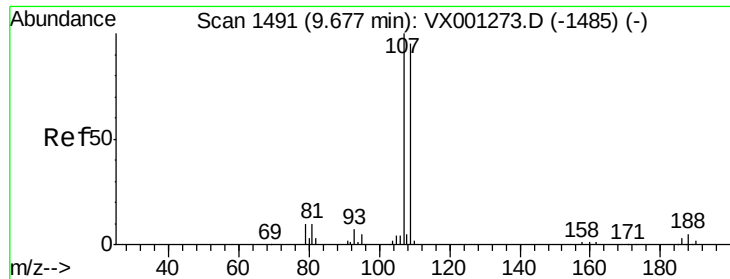
MMDadoda
5/3/2018 12:21:18 PM



#60
Dibromochloromethane
Concen: 19.32 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	39.1	117.3





#61

1,2-Dibromoethane

Concen: 19.75 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion:107 Resp: 42139

Ion Ratio Lower Upper

107 100

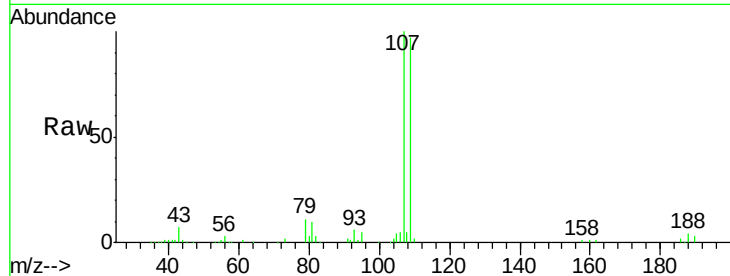
109 94.2 75.4 113.2

Manual Integrations

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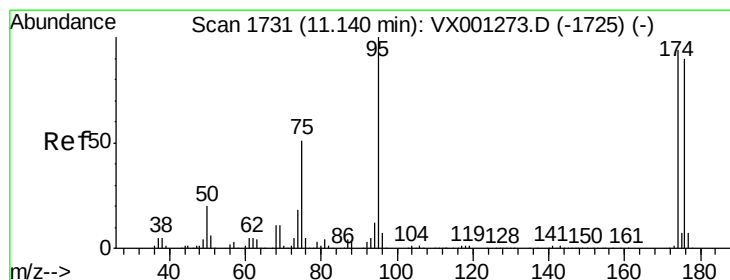
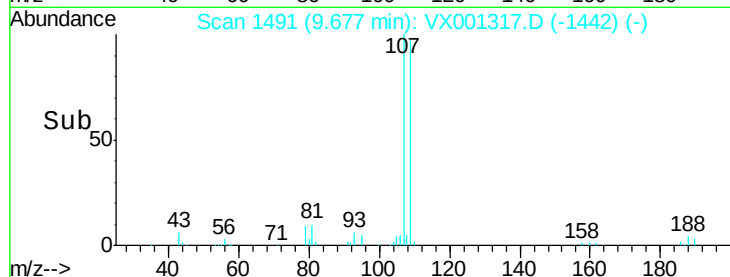
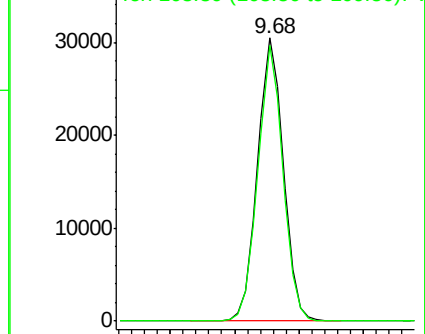
MMDadoda

5/3/2018 12:21:18 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

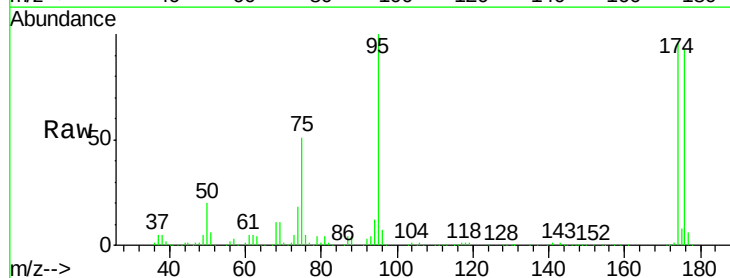
Tgt Ion: 95 Resp: 127039

Ion Ratio Lower Upper

95 100

174 104.7 0.0 201.8

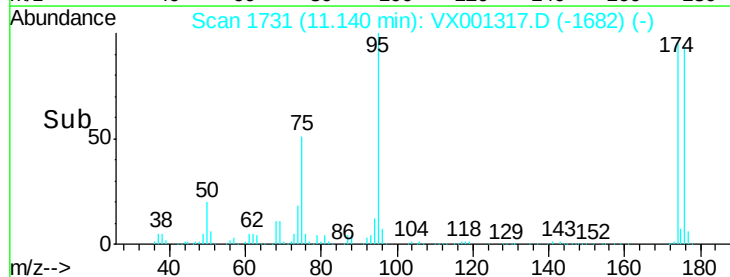
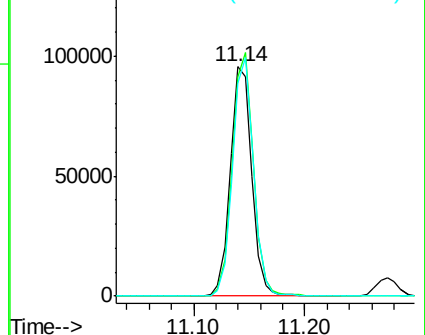
176 101.5 0.0 197.2

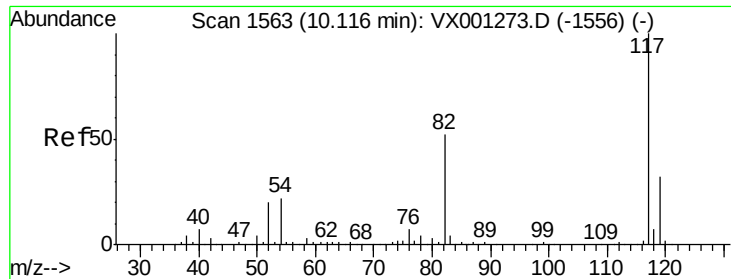


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

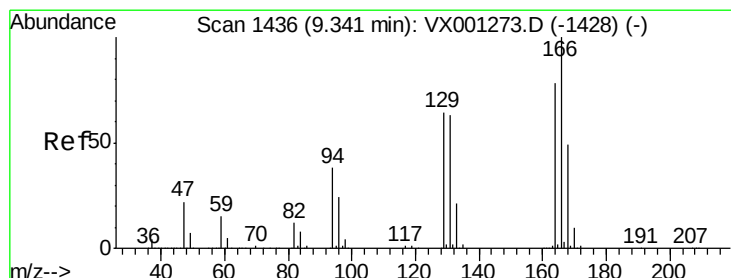
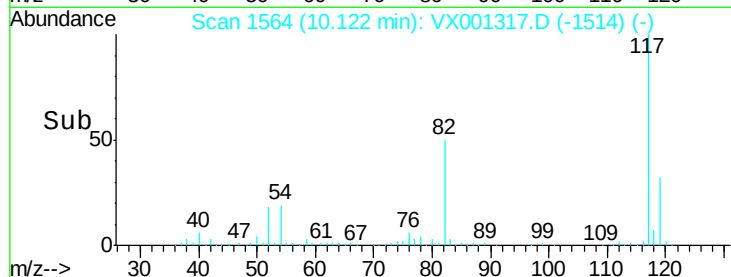
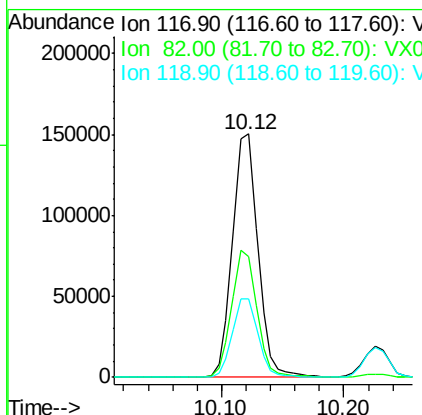
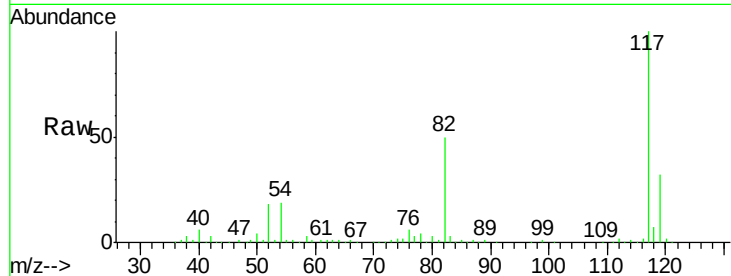
ClientSampled :

VX0502WBS01

Tot Ion:	117	Resp:	217450
Ion Ratio	Lower	Upper	
117	100		
82	49.8	41.4	62.0
119	32.4	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.12 ug/l

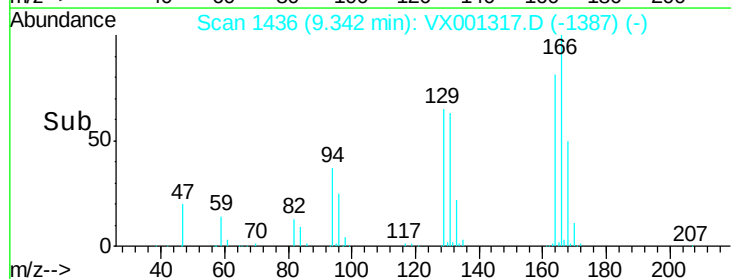
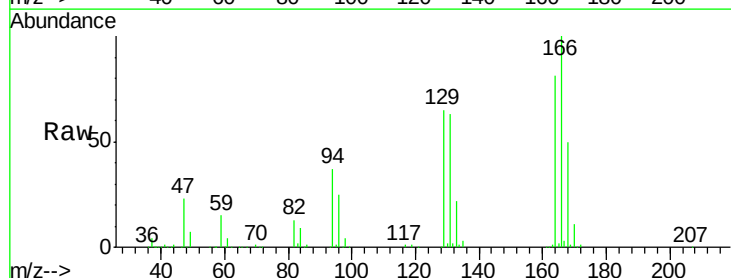
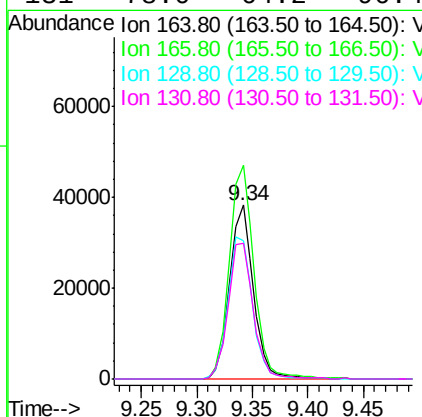
RT: 9.34 min Scan# 1436

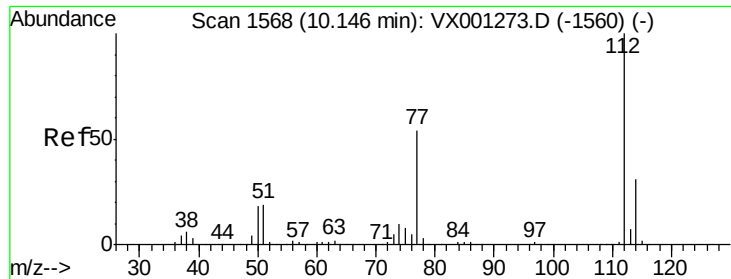
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	164	Resp:	56986
Ion Ratio	Lower	Upper	
164	100		
166	123.0	102.3	153.5
129	79.7	65.1	97.7
131	78.0	64.2	96.4





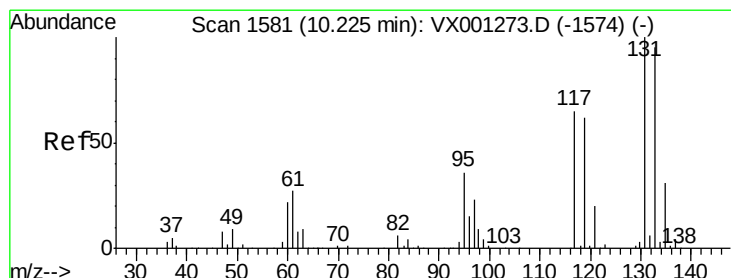
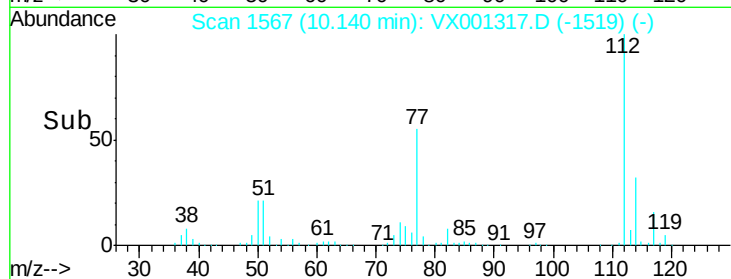
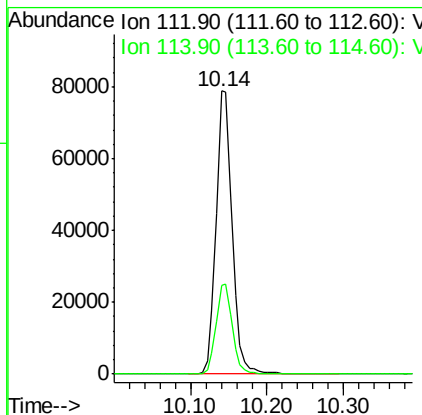
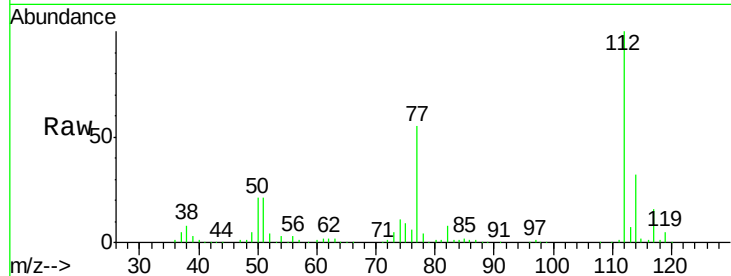
#65
Chlorobenzene
Concen: 19.40 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS01

Tot Ion:112 Resp: 114741
Ion Ratio Lower Upper
112 100
114 31.5 24.8 37.2

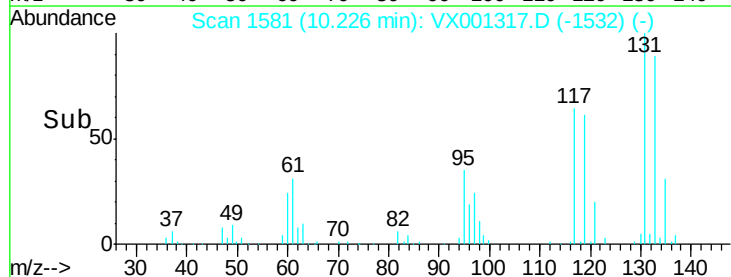
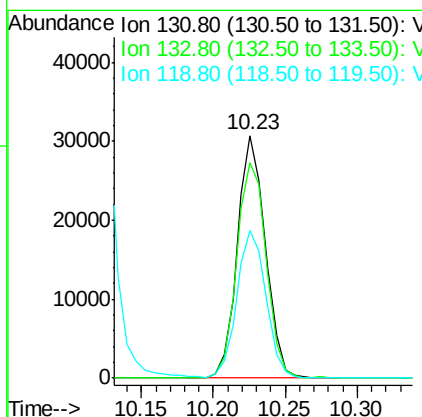
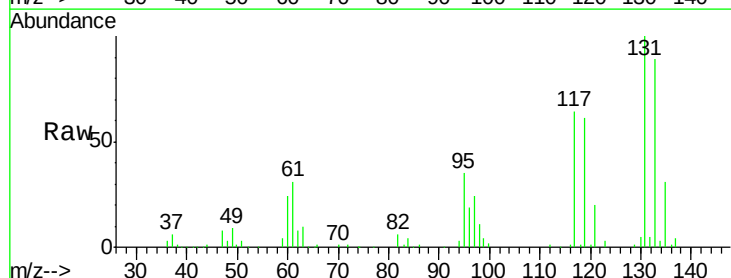
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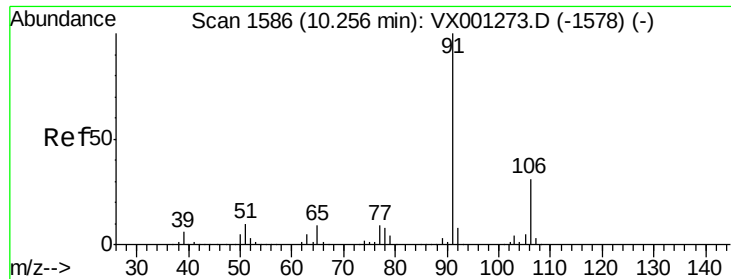
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.22 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion:131 Resp: 41506
Ion Ratio Lower Upper
131 100
133 93.5 48.3 144.9
119 63.5 31.2 93.6





#67

Ethyl Benzene

Concen: 19.11 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS01

Tot Ion: 91 Resp: 186280

Ion Ratio Lower Upper

91 100

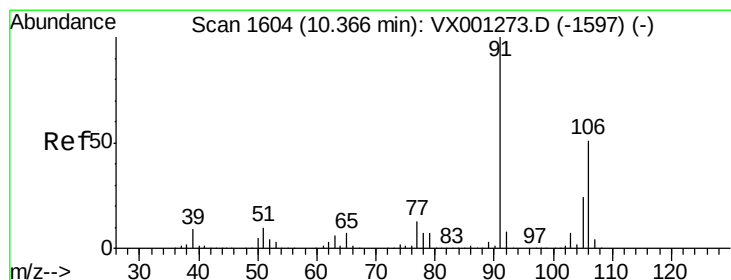
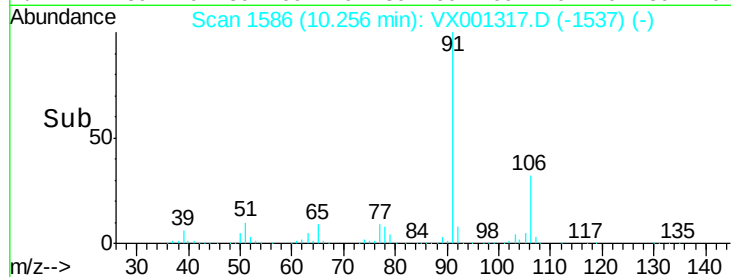
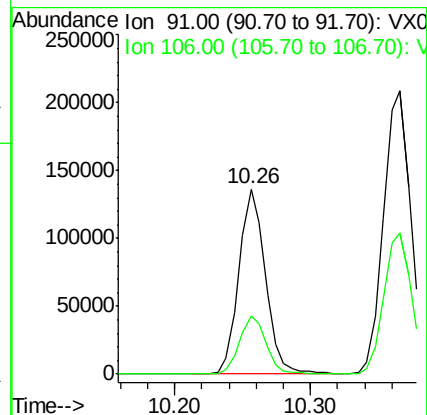
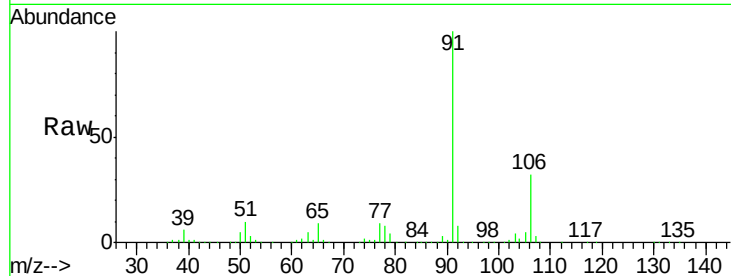
106 31.6 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.20 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001317.D

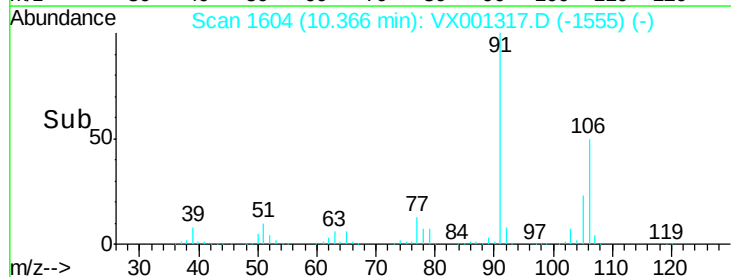
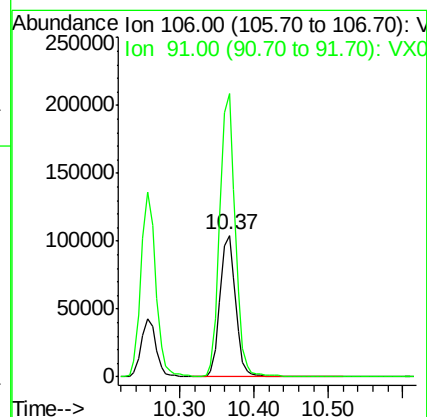
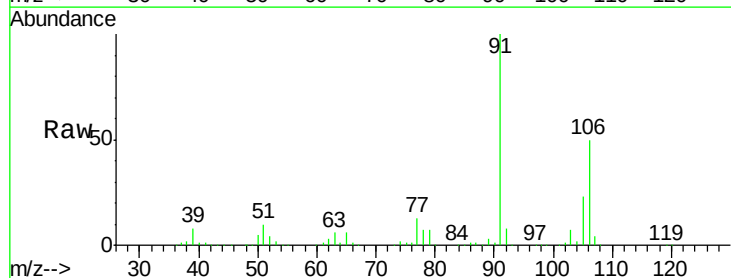
Acq: 02 May 2018 15:19

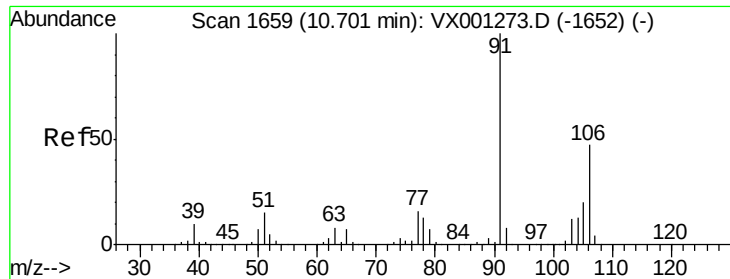
Tgt Ion: 106 Resp: 150317

Ion Ratio Lower Upper

106 100

91 197.2 159.4 239.2





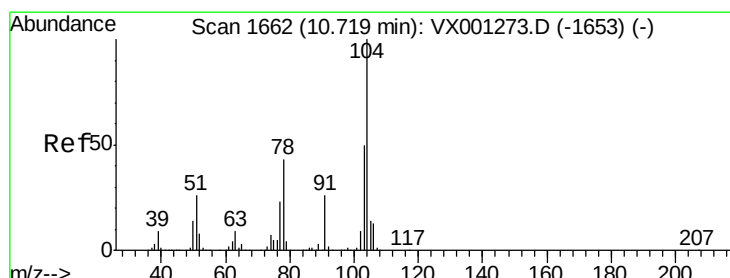
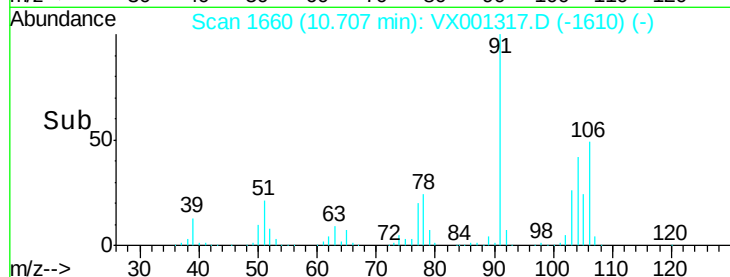
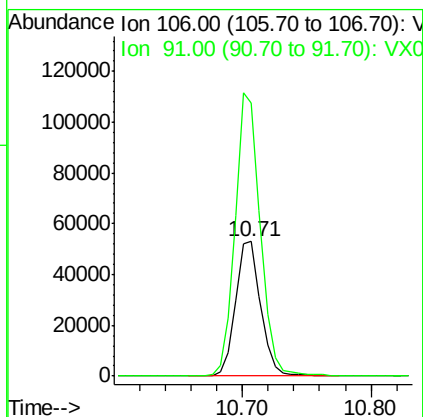
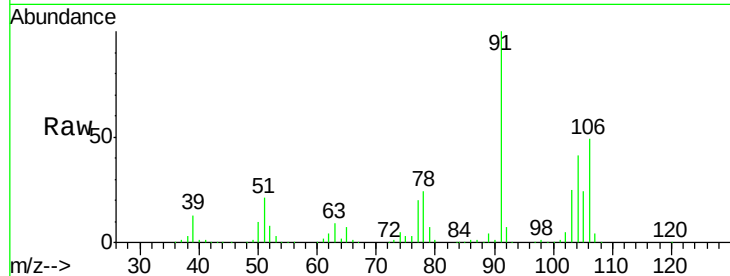
#69
o-Xylene
Concen: 19.46 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampled :
VX0502WBS01

Tot Ion:106 Resp: 72377
Ion Ratio Lower Upper
106 100
91 210.2 106.3 319.0

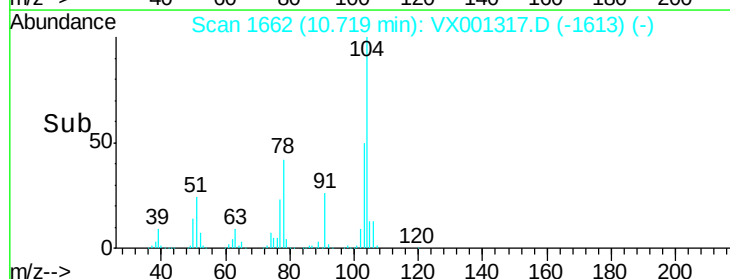
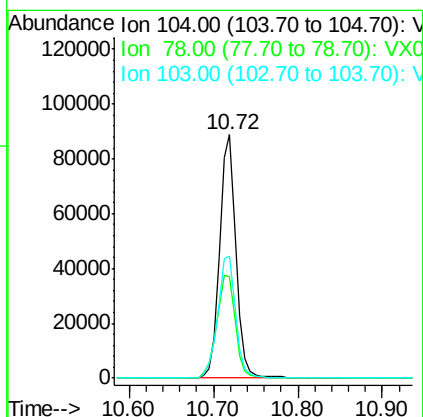
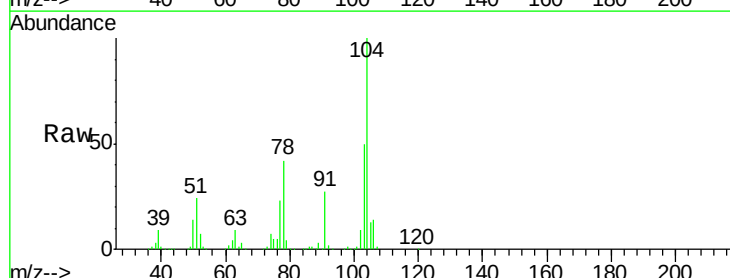
Manual Integrations
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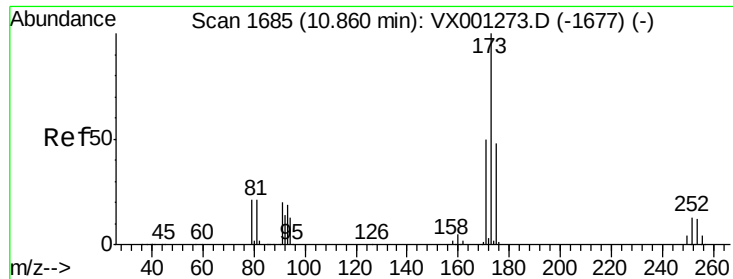
MMDadoda
5/3/2018 12:21:18 PM



#70
Styrene
Concen: 19.65 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion:104 Resp: 119549
Ion Ratio Lower Upper
104 100
78 48.5 40.1 60.1
103 55.6 44.5 66.7





#71

Bromoform

Concen: 18.99 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

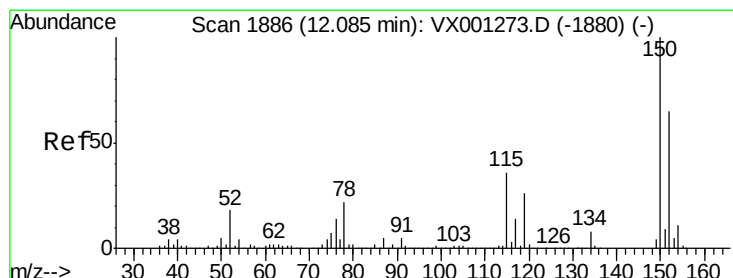
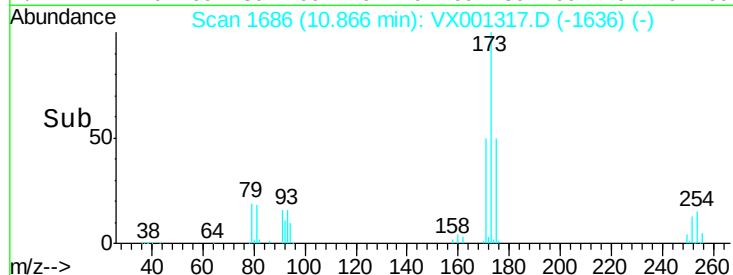
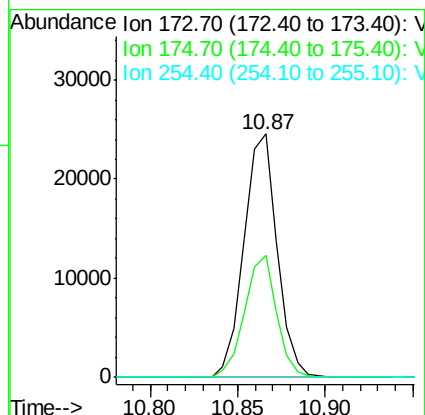
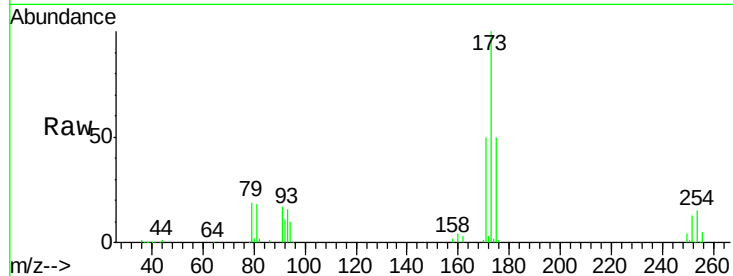
ClientSampled :

VX0502WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.1	0.2	0.2#

Manual Integrations
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5/3/2018 12:21:18 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

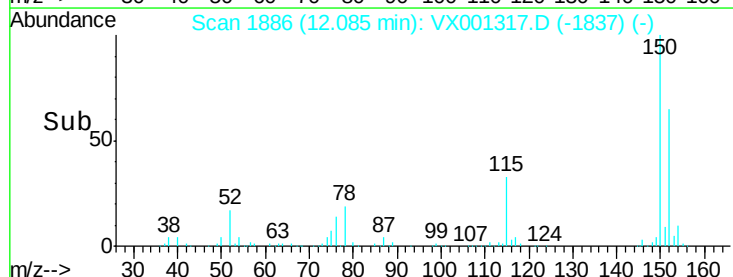
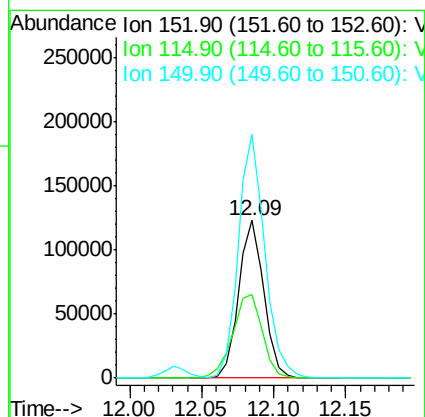
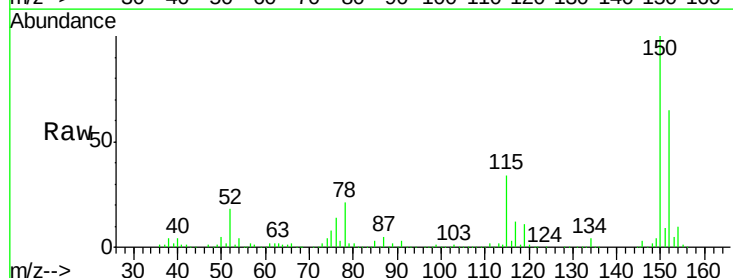
RT: 12.09 min Scan# 1886

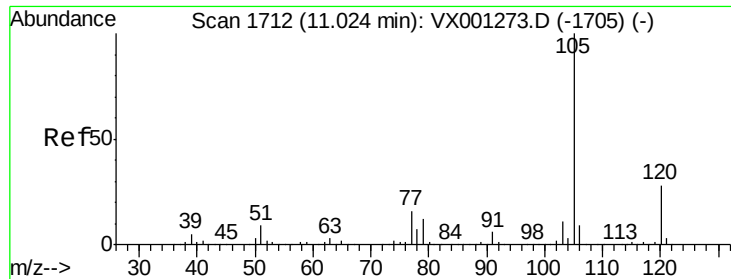
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	38.6	115.7
150	162.8	0.0	349.2





#73

Isopropylbenzene

Concen: 19.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion: 105 Resp: 195599

Ion Ratio Lower Upper

105 100

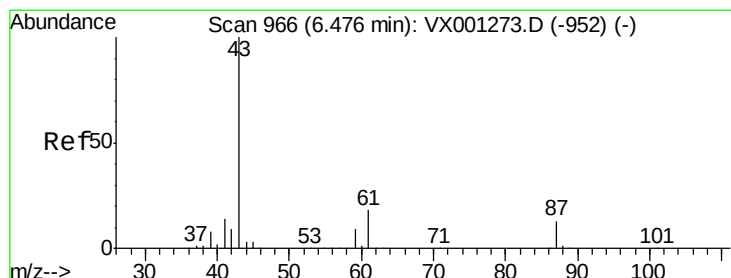
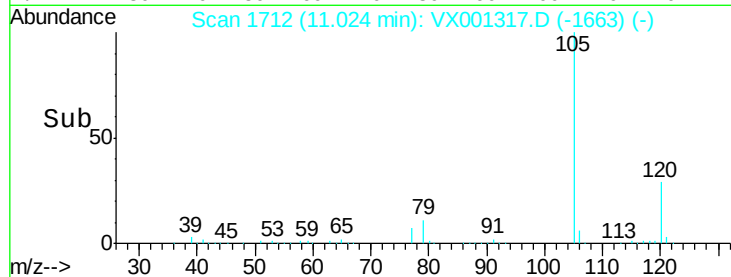
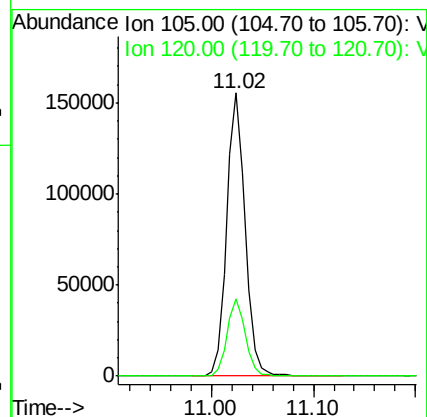
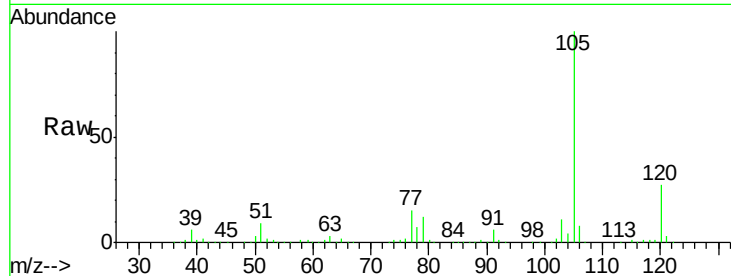
120 27.5 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.71 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion: 43 Resp: 84469

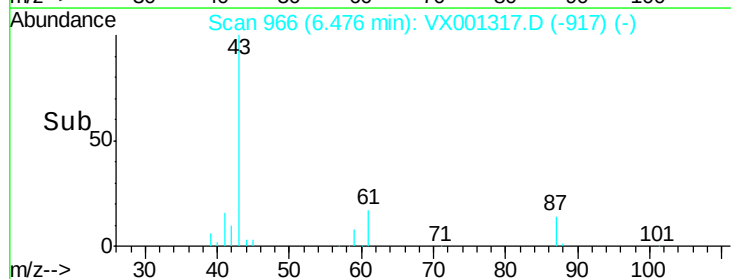
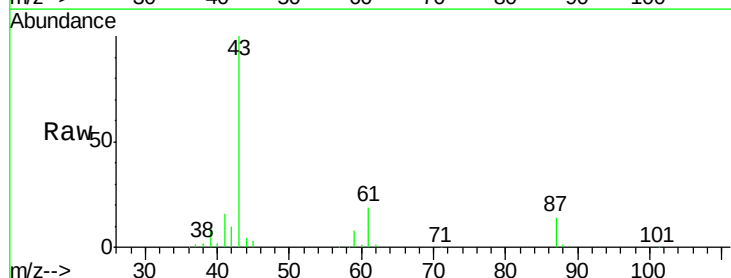
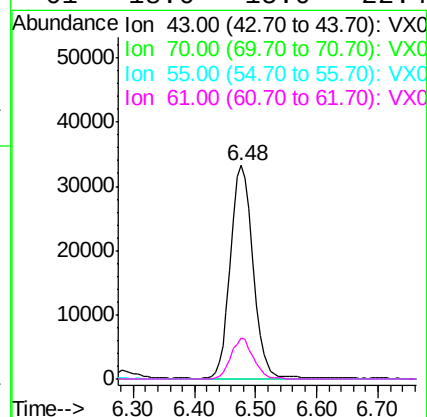
Ion Ratio Lower Upper

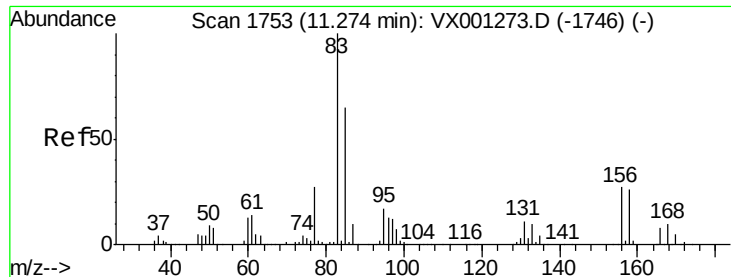
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 18.6 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.47 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

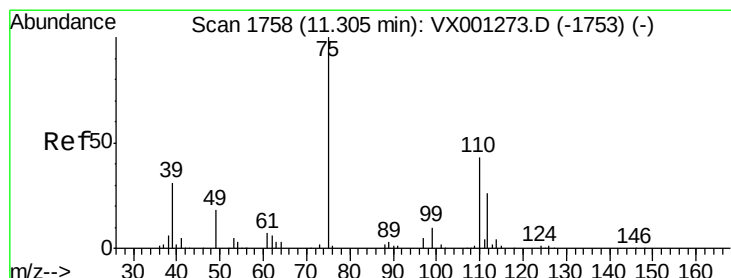
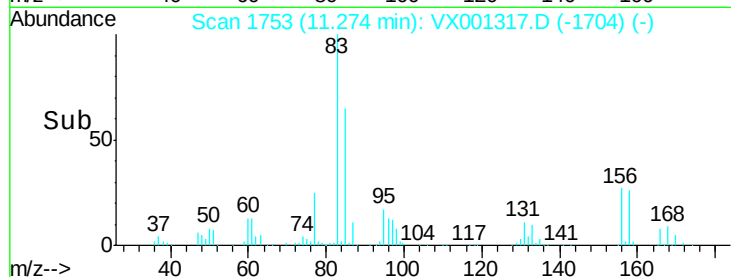
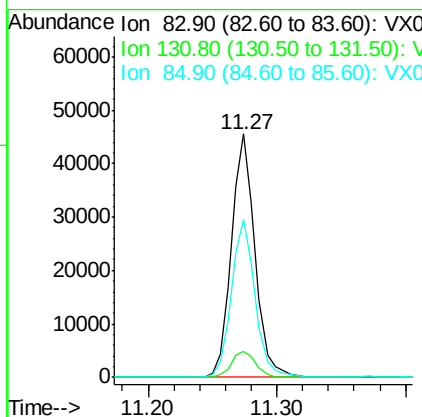
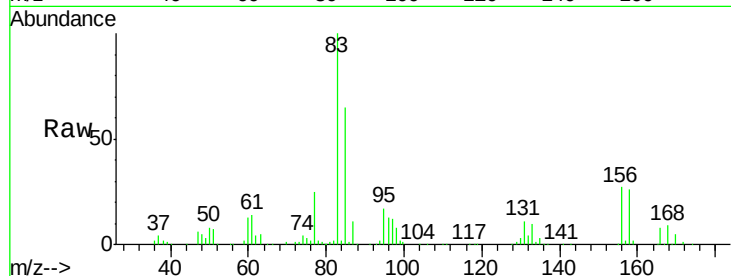
ClientSampled :

VX0502WBS01

Tot Ion:	83	Resp:	58256
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	65.1	32.6	97.7

Manual Integrations
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5/3/2018 12:21:18 PM



#76

1,2,3-Trichloropropane

Concen: 20.25 ug/l m

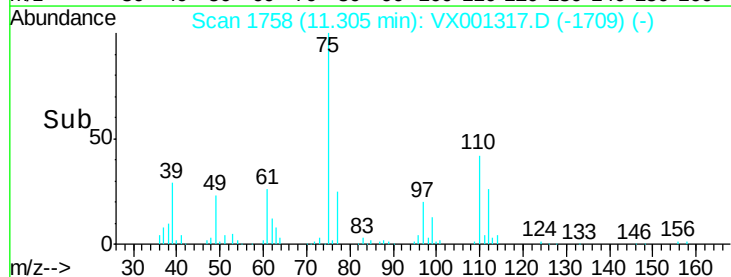
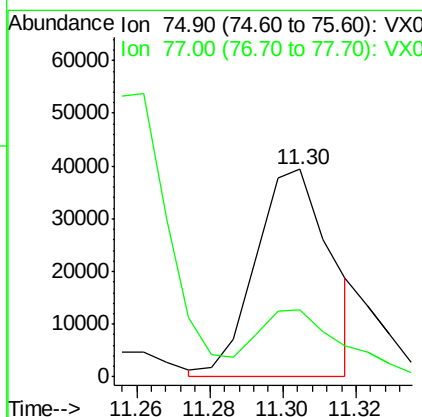
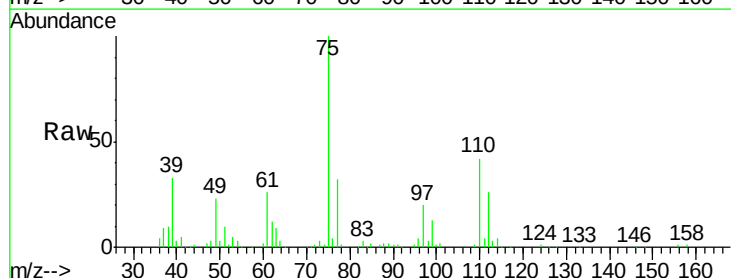
RT: 11.30 min Scan# 1758

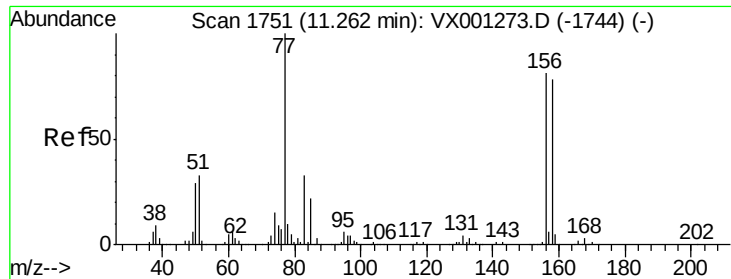
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	75	Resp:	55890
Ion Ratio	Lower	Upper	
75	100		
77	36.5	18.9	56.5





#77

Bromobenzene

Concen: 19.55 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

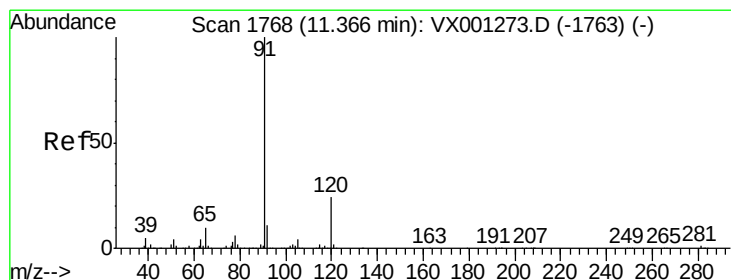
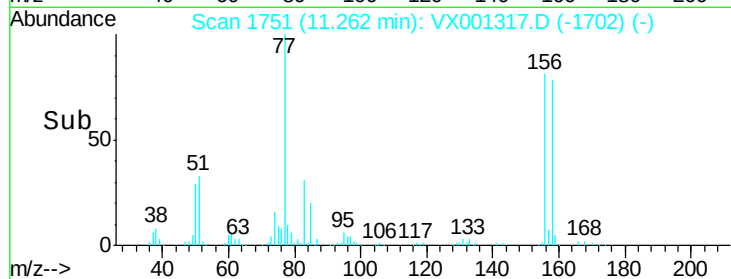
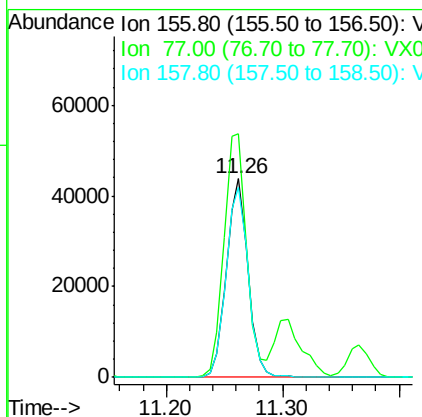
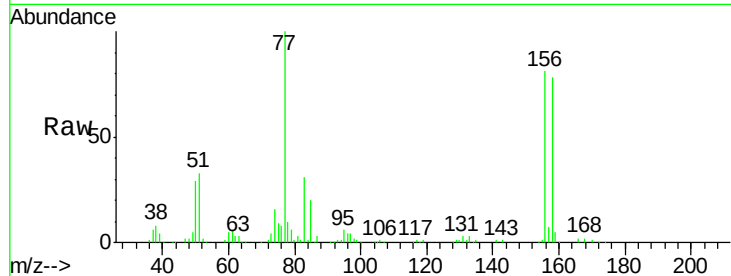
ClientSampled :

VX0502WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.4	65.3	195.8
158	98.5	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 19.99 ug/l

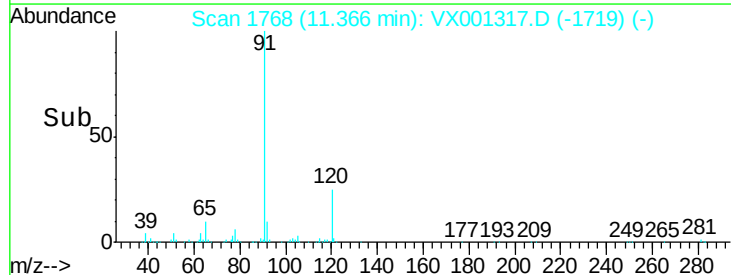
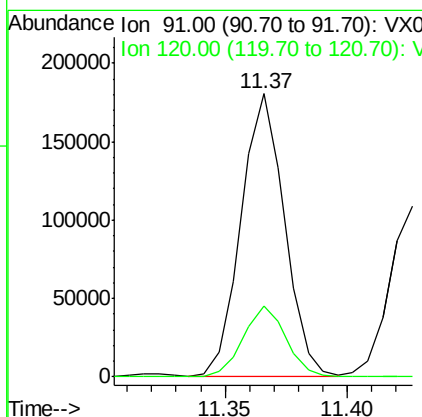
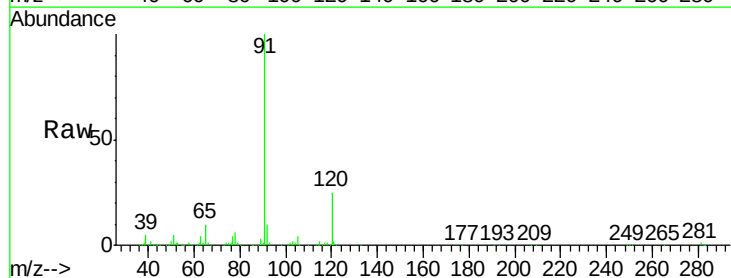
RT: 11.37 min Scan# 1768

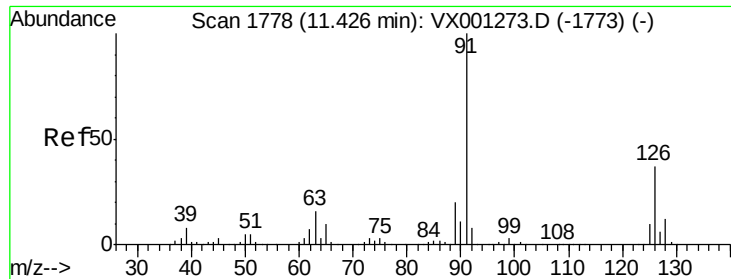
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8





#79

2-Chlorotoluene

Concen: 20.01 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS01

Tot Ion: 91 Resp: 134030

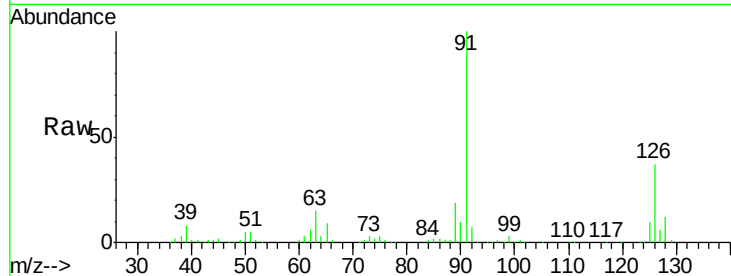
Ion Ratio Lower Upper

91 100

126 36.6 18.4 55.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001273.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001273.D (-1773) (-)

200000

150000

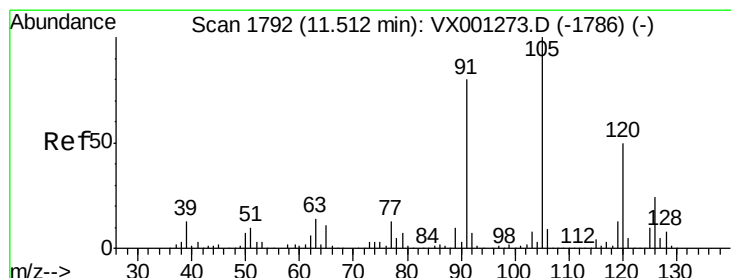
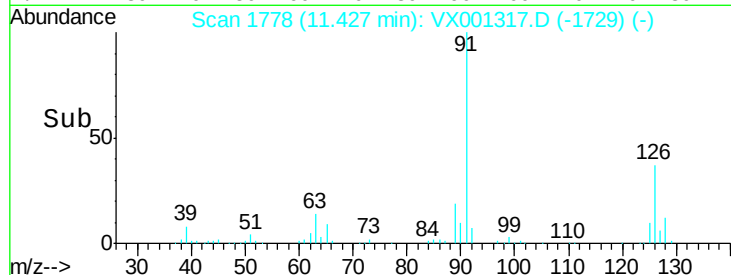
100000

50000

0

11.40 11.43 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001317.D

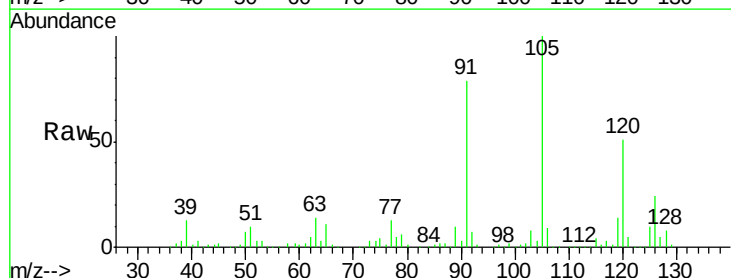
Acq: 02 May 2018 15:19

Tgt Ion: 105 Resp: 166454

Ion Ratio Lower Upper

105 100

120 50.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001273.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001273.D (-1786) (-)

150000

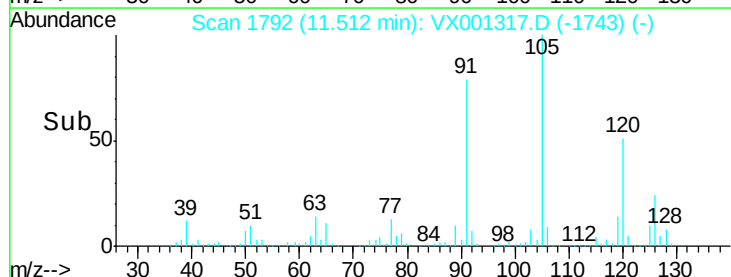
100000

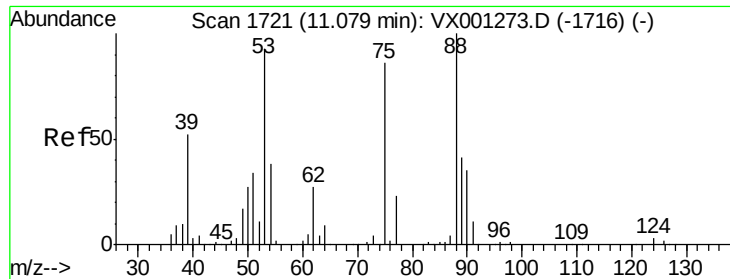
50000

0

11.45 11.51 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.95 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

VX0502WBS01

Tot Ion: 75 Resp: 12685

Ion Ratio Lower Upper

75 100

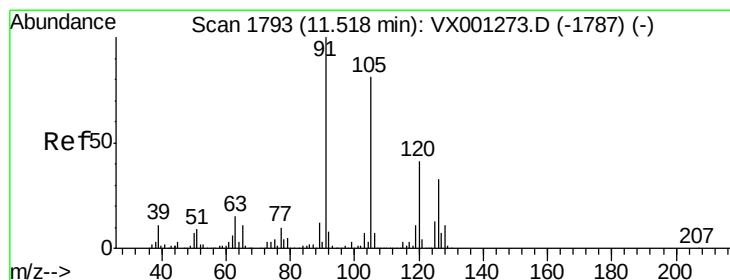
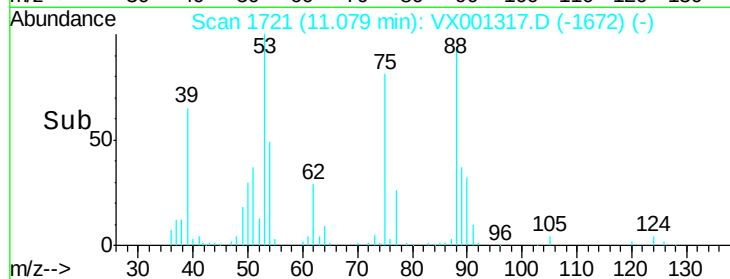
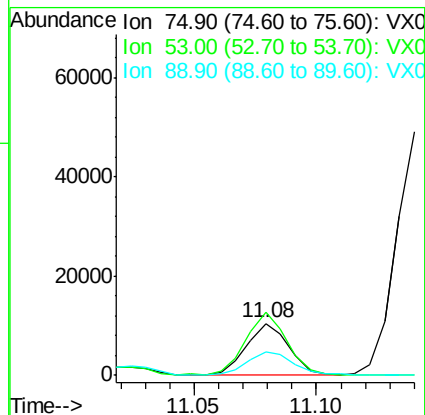
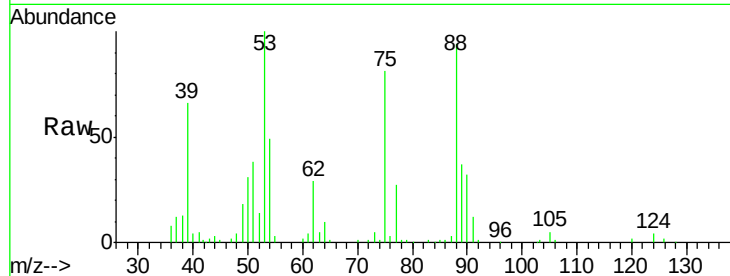
53 119.2 87.1 130.7

89 50.0 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.04 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001317.D

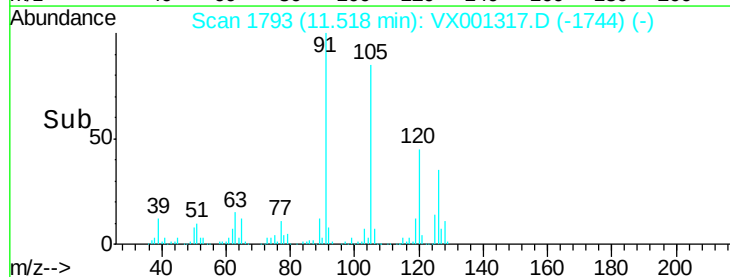
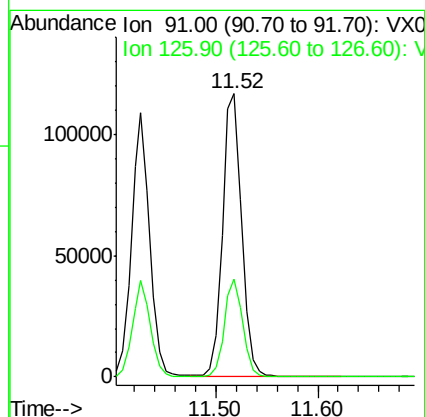
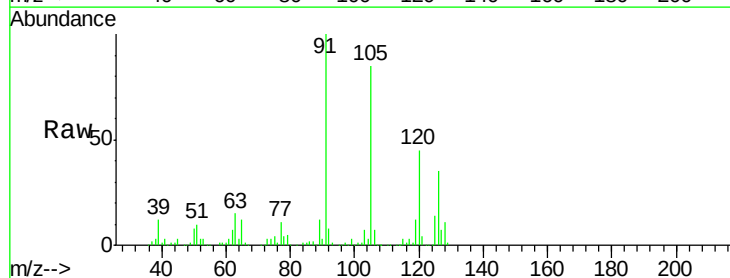
Acq: 02 May 2018 15:19

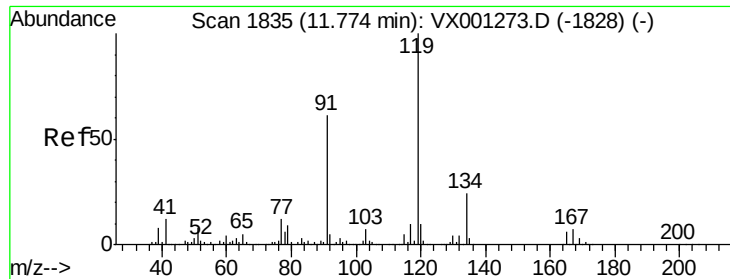
Tgt Ion: 91 Resp: 153380

Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.2





#83

tert-Butylbenzene

Concen: 19.44 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

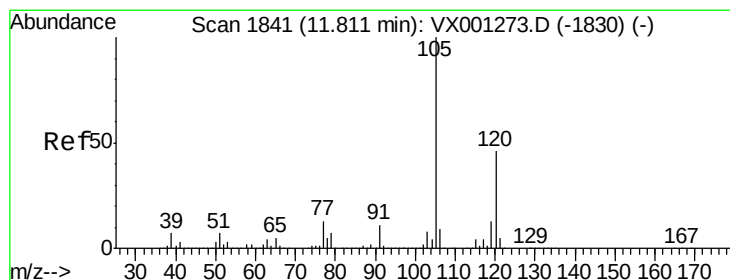
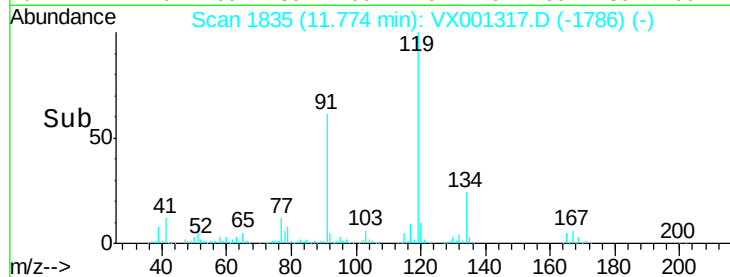
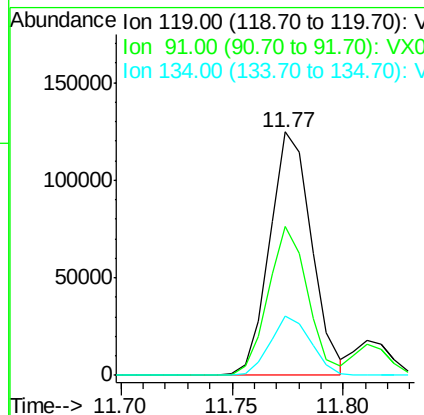
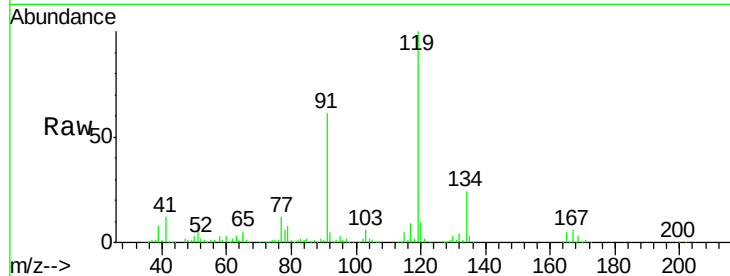
ClientSampleId :

VX0502WBS01

Tot Ion:	119	Resp:	162576
Ion Ratio	Lower	Upper	
119	100		
91	58.1	28.1	84.3
134	23.9	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.16 ug/l

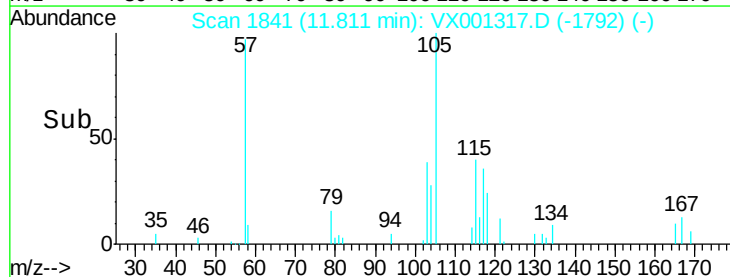
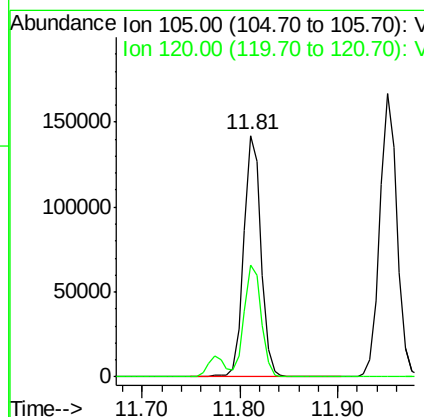
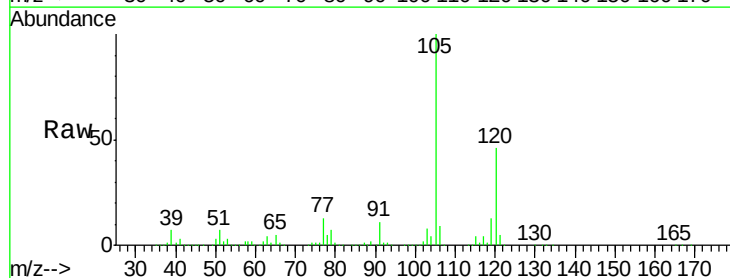
RT: 11.81 min Scan# 1841

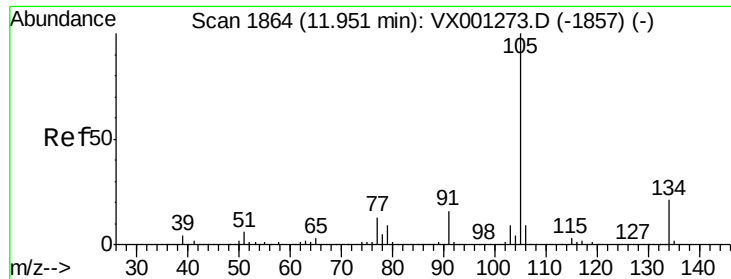
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	105	Resp:	173260
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.33 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

ClientSampled :

VX0502WBS01

Tot Ion:105 Resp: 203467

Ion Ratio Lower Upper

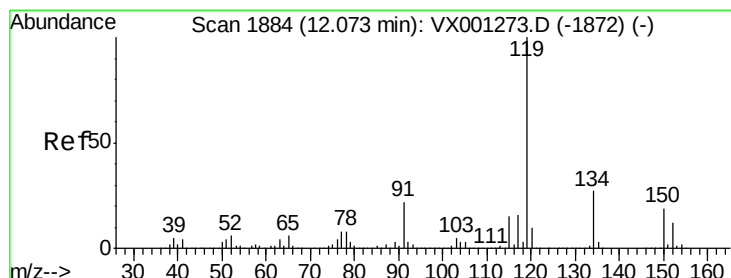
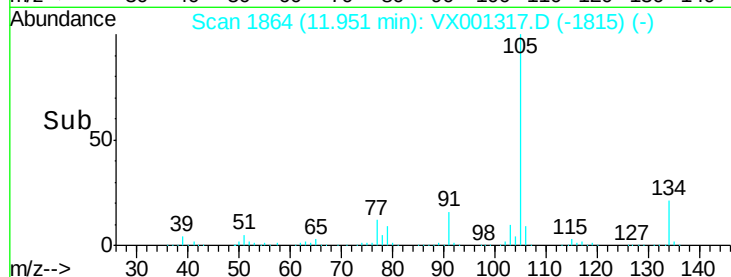
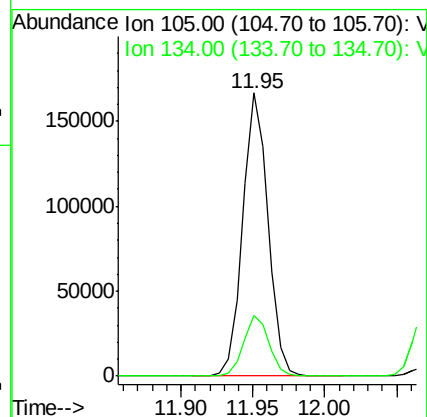
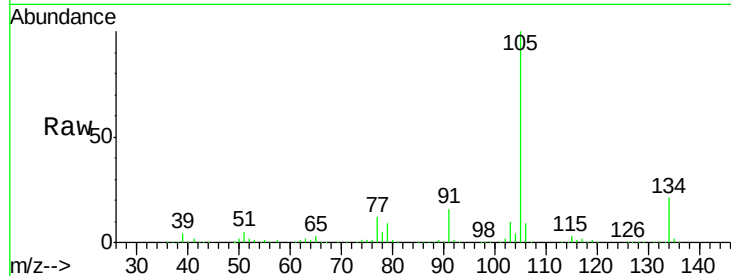
105 100

134 21.5 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

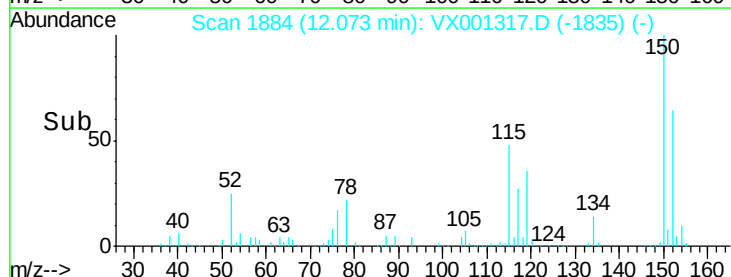
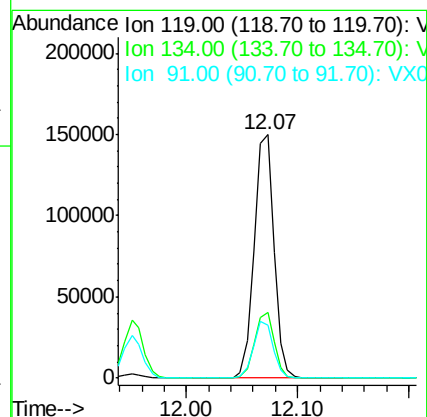
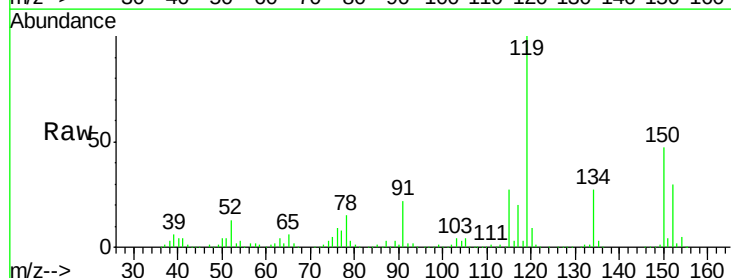
Tgt Ion:119 Resp: 185062

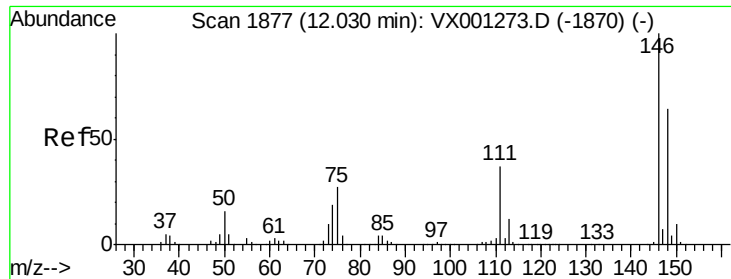
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 23.3 11.7 35.1





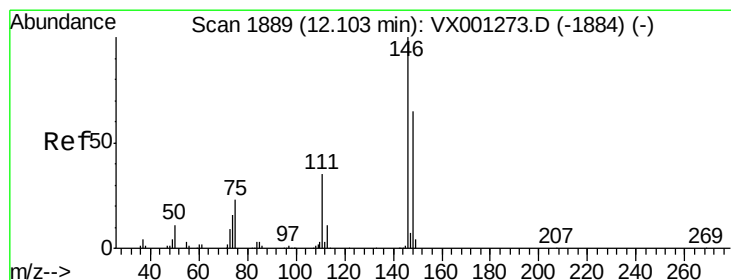
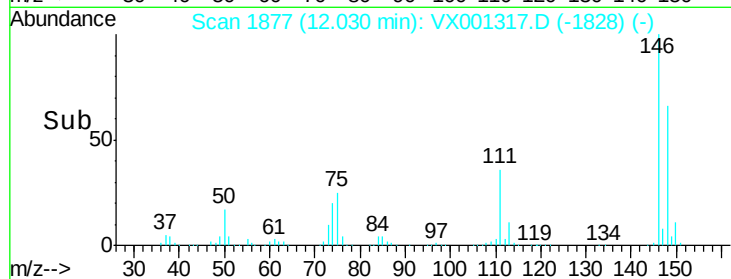
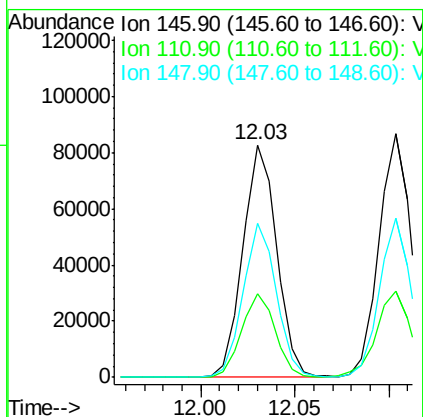
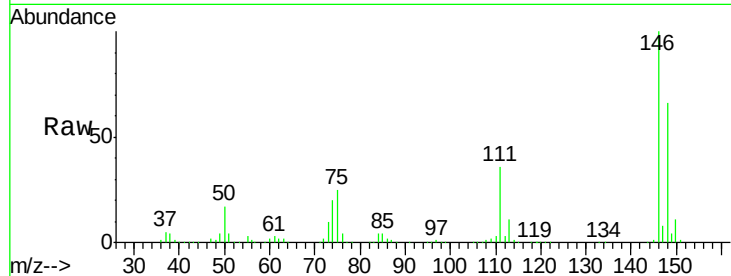
#87
 1,3-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampled :
 VX0502WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.4	55.2
148	65.0	32.2	96.6

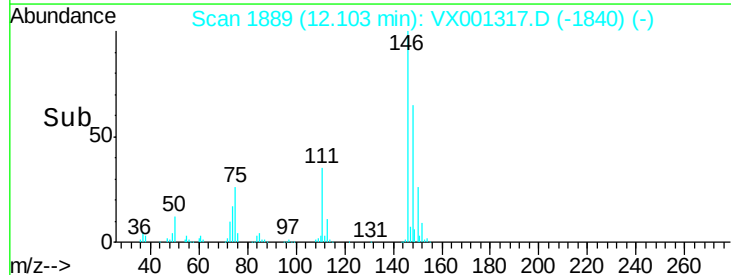
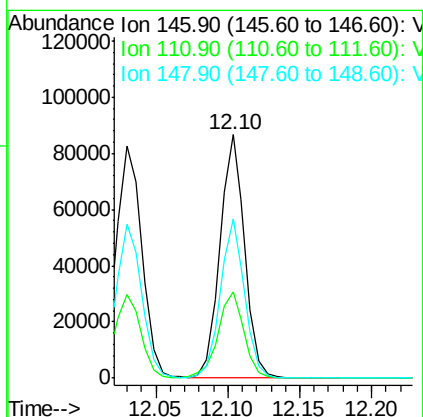
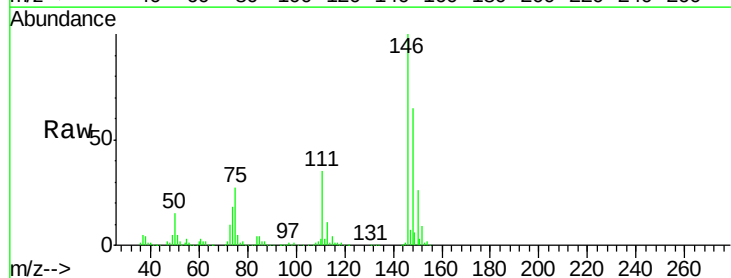
Manual Integrations
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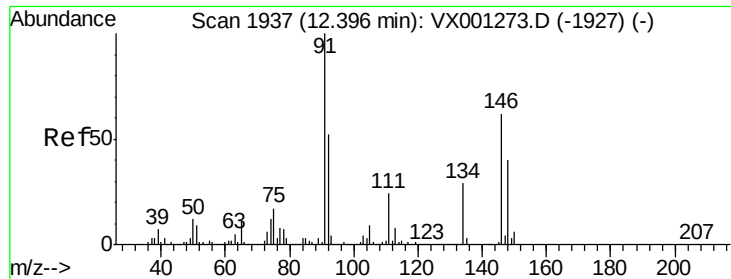
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.81 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.9	53.7
148	64.4	32.3	96.8





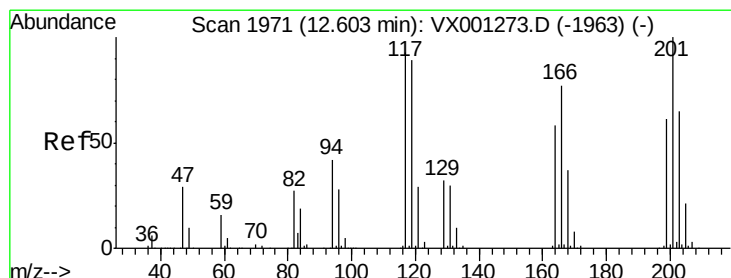
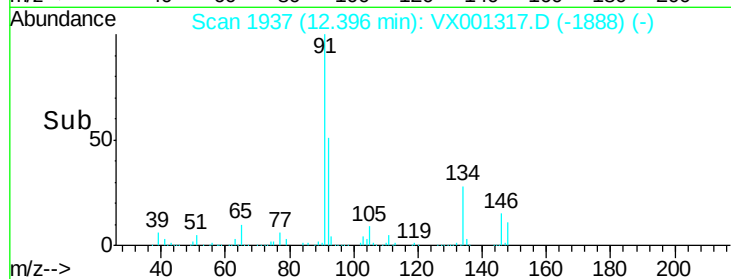
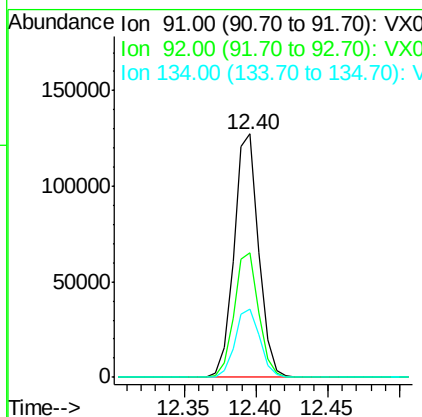
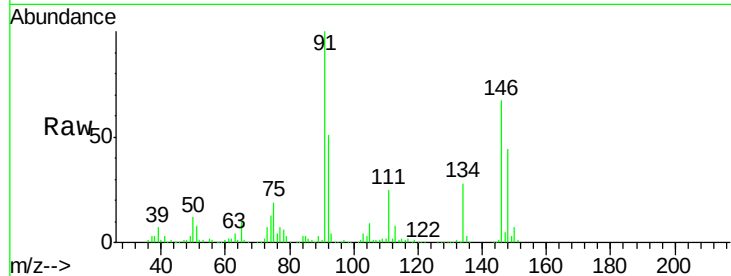
#89
n-Butylbenzene
Concen: 19.06 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	152668		
92	51.2	26.2	78.5	
134	28.3	14.0	42.0	

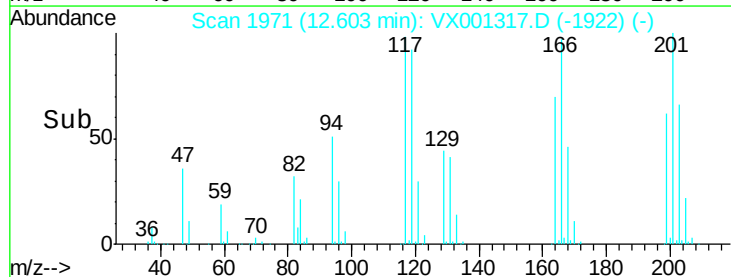
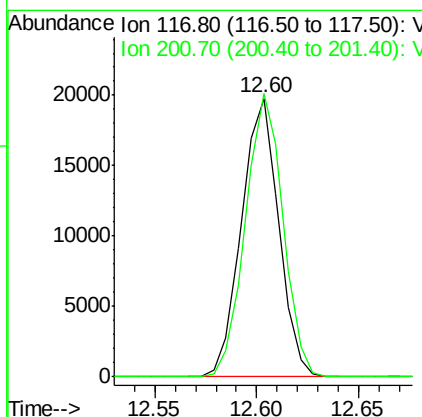
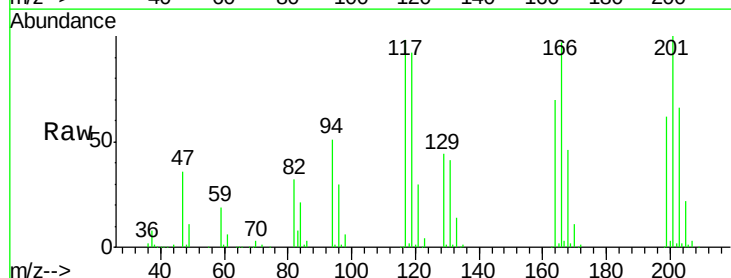
Manual Integrations
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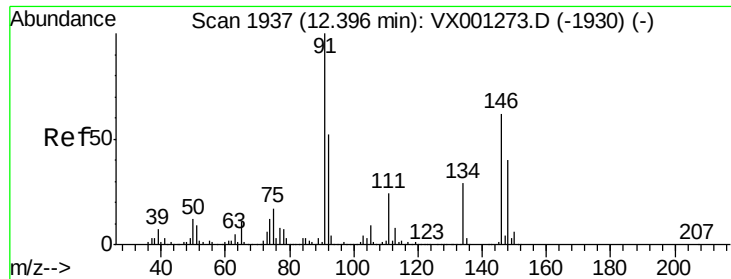
MMDadoda
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#90
Hexachloroethane
Concen: 18.88 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001317.D
Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25099		
201	102.6	51.6	154.8	





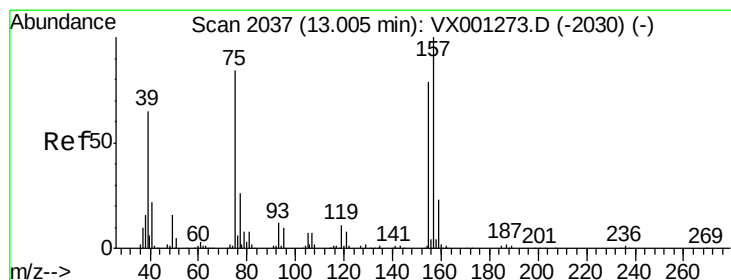
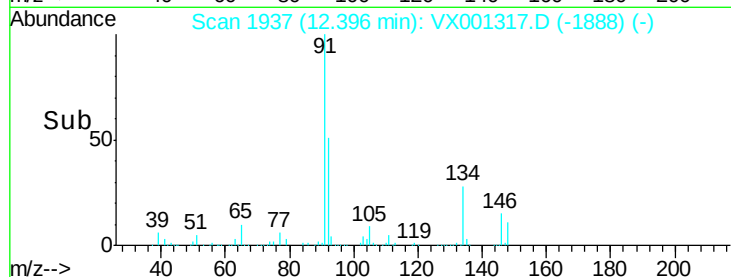
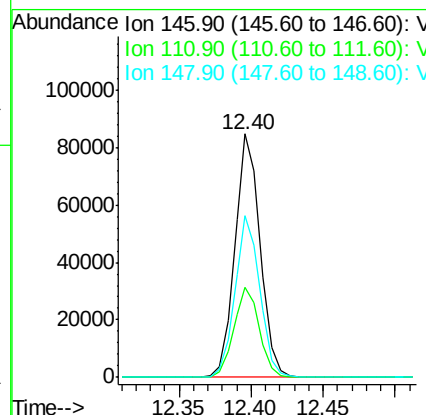
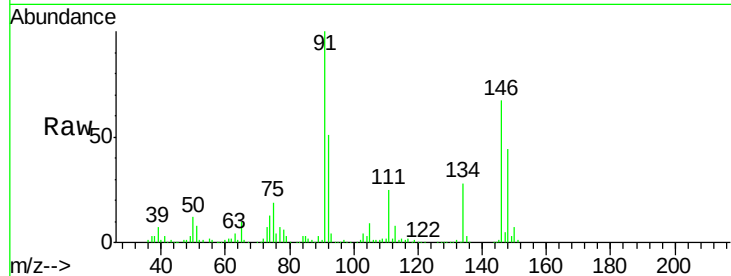
#91
 1,2-Dichlorobenzene
 Concen: 19.45 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	65.1	32.4	97.0

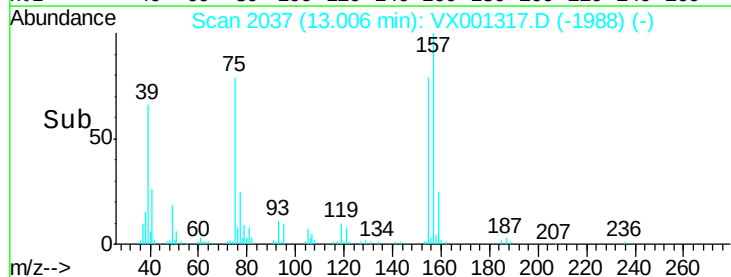
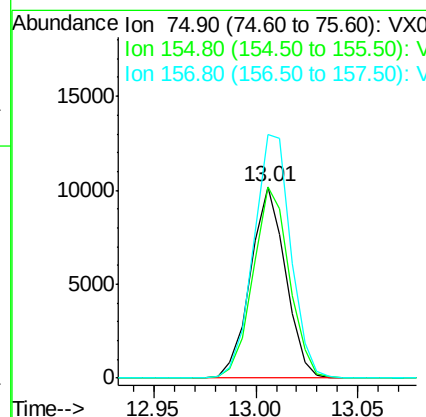
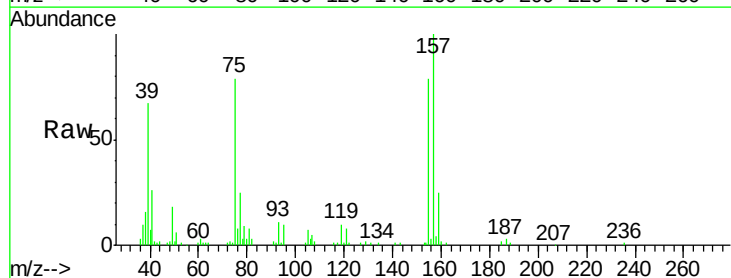
Manual Integrations
 APPROVED

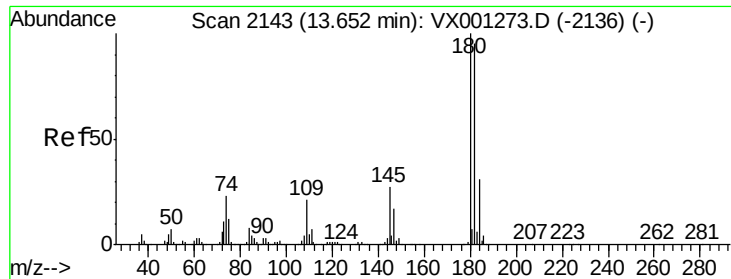
MMDadoda
 5/3/2018 12:21:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.13 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001317.D
 Acq: 02 May 2018 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	49.9	149.7
157	135.7	63.7	191.1





#93

1,2,4-Trichlorobenzene

Concen: 17.98 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

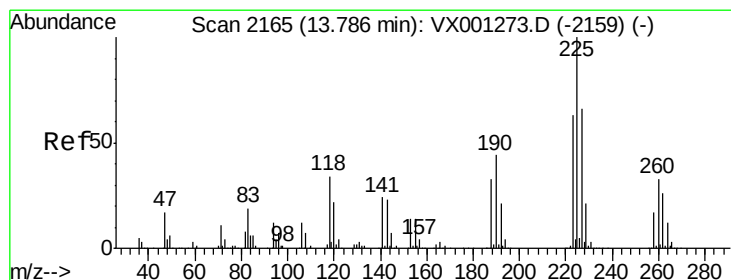
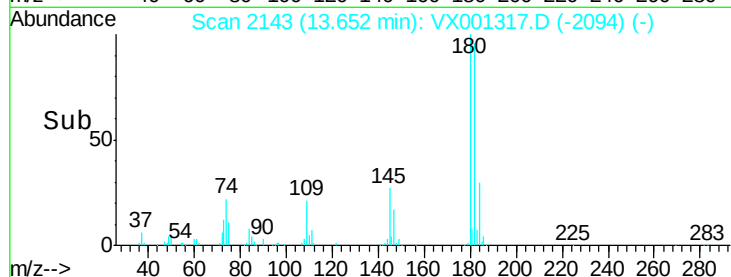
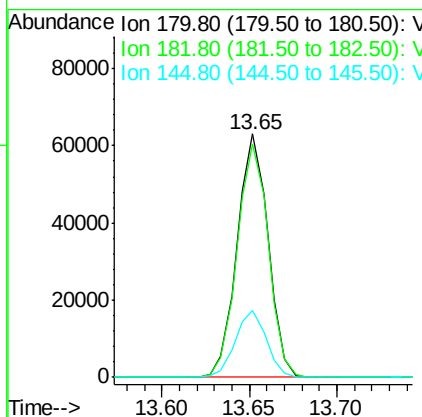
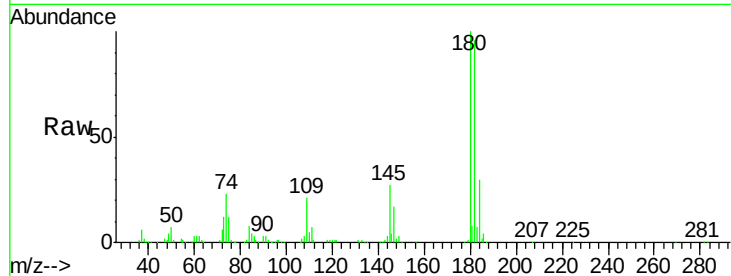
ClientSampled :

VX0502WBS01

Tot Ion:	180	Resp:	77434
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.3	141.9
145	27.6	13.5	40.4

Manual Integrations
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5/3/2018 12:21:18 PM



#94

Hexachlorobutadiene

Concen: 19.27 ug/l

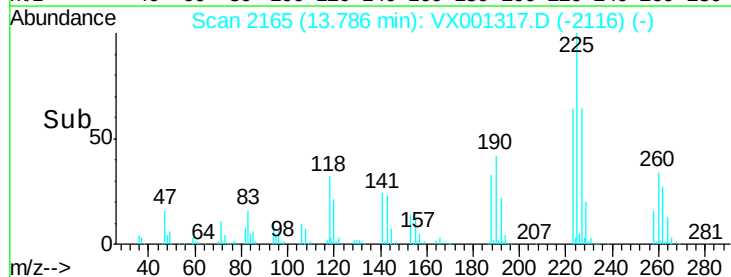
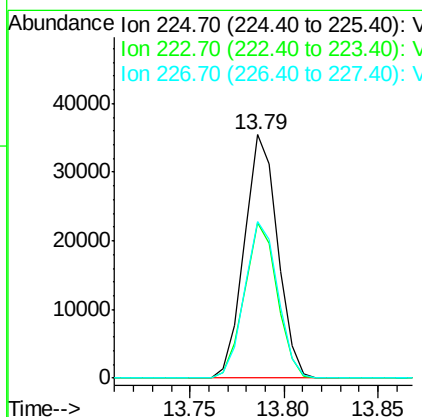
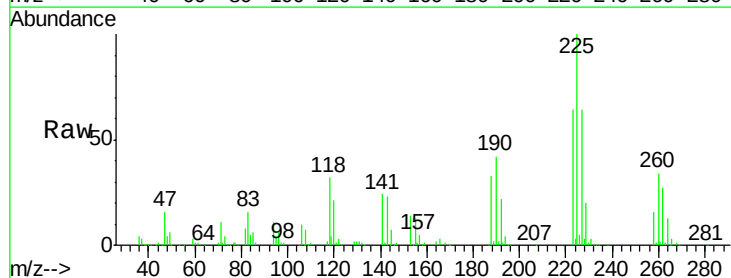
RT: 13.79 min Scan# 2165

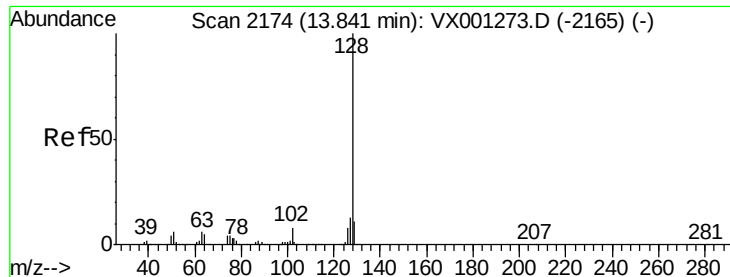
Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	225	Resp:	43417
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.0
227	64.0	32.5	97.5





#95

Naphthalene

Concen: 19.64 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Instrument :

MSVOA_X

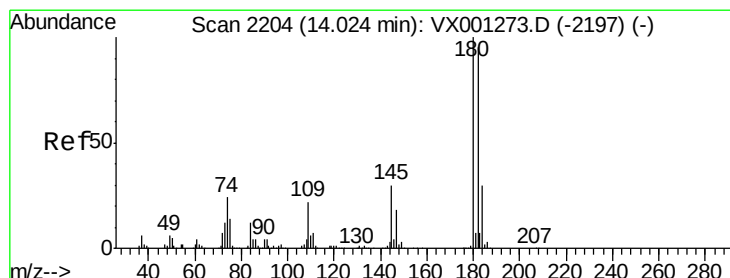
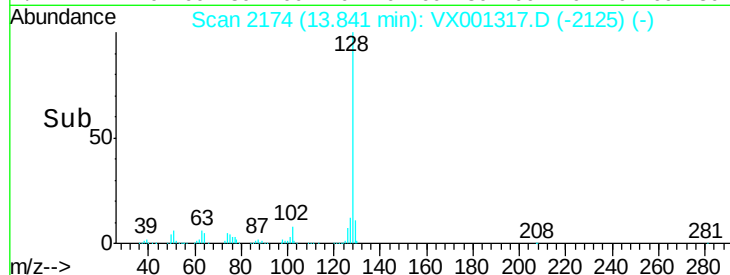
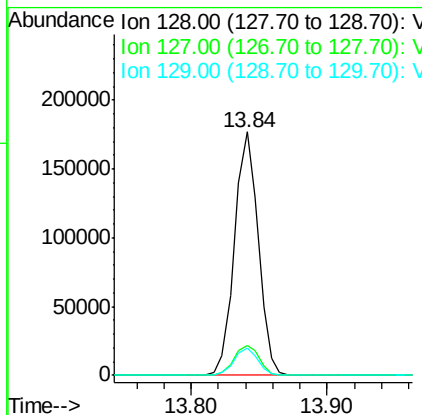
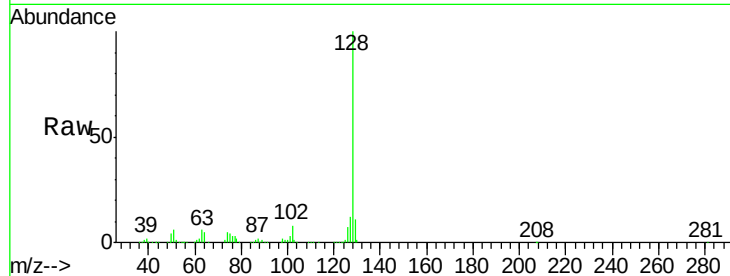
ClientSampleId :

VX0502WBS01

Tot Ion:	128	Resp:	214600
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.21 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001317.D

Acq: 02 May 2018 15:19

Tgt Ion:	180	Resp:	81191
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.1	144.3
145	28.9	14.4	43.4

