

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002955.D
 Acq On : 28 Jun 2018 00:27
 Operator : JC/MD
 Sample : VX0627WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Manual Integrations
 APPROVED

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 6/28/2018 4:47:58 PM

Quant Time: Jun 28 06:43:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	184482	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	5.51	113	147090	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.72	98	536561	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.14	95	200528	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62566	26.43	ug/l	100
3) Chloromethane	1.32	50	61506	24.55	ug/l	99
4) Vinyl Chloride	1.40	62	66256	22.22	ug/l	98
5) Bromomethane	1.64	94	31698	21.20	ug/l	98
6) Chloroethane	1.72	64	40613	22.03	ug/l	98
7) Trichlorofluoromethane	1.93	101	104244	20.72	ug/l	99
8) Diethyl Ether	2.19	74	37524	20.52	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59024	20.25	ug/l	99
10) Methyl Iodide	2.51	142	58783	23.64	ug/l	99
11) Tert butyl alcohol	3.07	59	77050	106.12	ug/l	100
12) 1,1-Dichloroethene	2.37	96	54210	20.85	ug/l	96
13) Acrolein	2.29	56	45768	116.01	ug/l	99
14) Allyl chloride	2.73	41	103037	20.10	ug/l	97
15) Acrylonitrile	3.15	53	162097	104.52	ug/l	99
16) Acetone	2.45	43	150734	99.87	ug/l	97
17) Carbon Disulfide	2.57	76	145666	21.02	ug/l	99
18) Methyl Acetate	2.78	43	76854	18.21	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	189388	20.26	ug/l	99
20) Methylene Chloride	2.86	84	61496	20.94	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	57578	20.33	ug/l	94
22) Diisopropyl ether	3.87	45	202135	20.63	ug/l	94
23) Vinyl Acetate	3.83	43	874004	105.34	ug/l	100
24) 1,1-Dichloroethane	3.70	63	109389	20.54	ug/l	99
25) 2-Butanone	4.71	43	233291	104.15	ug/l	99
26) 2,2-Dichloropropane	4.59	77	65723	15.18	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	64157	20.20	ug/l	97
28) Bromochloromethane	5.03	49	51476	20.19	ug/l	96
29) Tetrahydrofuran	5.17	42	150338	104.66	ug/l	98
30) Chloroform	5.22	83	112043	20.50	ug/l	99
31) Cyclohexane	5.57	56	95152	20.82	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	98484	20.48	ug/l	99
36) 1,1-Dichloropropene	5.81	75	80954	20.16	ug/l	98
37) Ethyl Acetate	4.87	43	91003	21.05	ug/l	98
38) Carbon Tetrachloride	5.79	117	88028	19.98	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93080	19.90	ug/l	100
40) Benzene	6.15	78	241256	20.68	ug/l	99
41) Methacrylonitrile	5.07	41	50439	20.26	ug/l	98
42) 1,2-Dichloroethane	6.20	62	94860	20.13	ug/l	99
43) Isopropyl Acetate	6.47	43	143140	19.74	ug/l	99
44) Trichloroethene	7.22	130	70331	20.22	ug/l	98
45) 1,2-Dichloropropane	7.52	63	63310	20.46	ug/l	99
46) Dibromomethane	7.67	93	43388	20.20	ug/l	97
47) Bromodichloromethane	7.90	83	78246	19.71	ug/l	98
48) Methyl methacrylate	7.78	41	74359	19.90	ug/l	98
49) 1,4-Dioxane	7.76	88	29898	411.34	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	469232	103.44	ug/l	99
52) Toluene	8.79	92	156477	20.94	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	87684	19.50	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	79983	18.49	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	61800	20.12	ug/l	98
56) Ethyl methacrylate	9.18	69	90864	20.24	ug/l	97
57) 1,3-Dichloropropane	9.38	76	102918	20.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	222685	102.84	ug/l	98
59) 2-Hexanone	9.50	43	356811	103.49	ug/l	98
60) Dibromochloromethane	9.59	129	61963	19.17	ug/l	99
61) 1,2-Dibromoethane	9.68	107	65795	20.42	ug/l	99
64) Tetrachloroethene	9.34	164	78715	20.22	ug/l	98
65) Chlorobenzene	10.14	112	177914	20.01	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	63695	19.72	ug/l	100
67) Ethyl Benzene	10.26	91	299274	20.37	ug/l	99
68) m/p-Xylenes	10.36	106	230847	40.78	ug/l	100
69) o-Xylene	10.70	106	112015	20.32	ug/l	100
70) Styrene	10.71	104	186648	20.84	ug/l	99
71) Bromoform	10.86	173	47949	19.05	ug/l #	99
73) Isopropylbenzene	11.02	105	304944	21.05	ug/l	100
74) N-amyl acetate	6.47	43	143140	20.19	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	92536	20.74	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	81485m	20.89	ug/l	
77) Bromobenzene	11.26	156	85032	20.61	ug/l	97
78) n-propylbenzene	11.37	91	344304	20.88	ug/l	99
79) 2-Chlorotoluene	11.43	91	206908	20.72	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	258336	21.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	21096	18.00	ug/l	94
82) 4-Chlorotoluene	11.51	91	243129	20.57	ug/l	100
83) tert-Butylbenzene	11.77	119	250184	20.80	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	265001	20.96	ug/l	99
85) sec-Butylbenzene	11.95	105	304727	20.89	ug/l	99
86) p-Isopropyltoluene	12.07	119	272399	20.77	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	154697	20.53	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	155927	20.11	ug/l	100
89) n-Butylbenzene	12.39	91	224904	19.70	ug/l	99
90) Hexachloroethane	12.60	117	38699	19.84	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	154898	20.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19052	18.99	ug/l	96

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ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId :
VX0627WBSD02

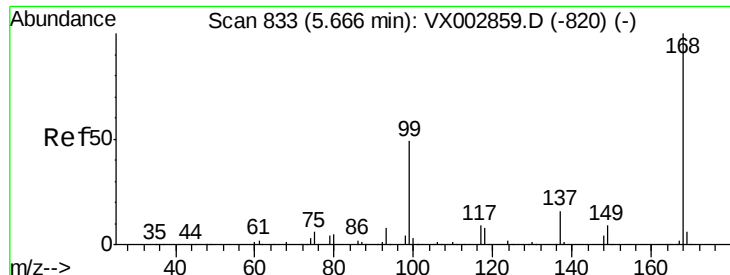
Manual Integrations
APPROVED

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6/28/2018 4:47:58 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	108608	19.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	54439	19.72	ug/l	99
95) Naphthalene	13.84	128	306133	20.77	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112742	20.39	ug/l	99

(#) = 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. 0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion:168 Resp: 263687

Ion Ratio Lower Upper

168 100

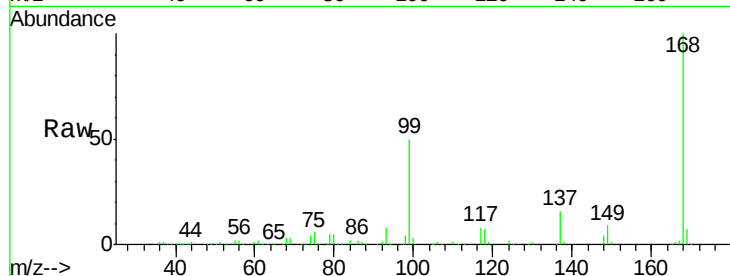
99 49.8 39.3 58.9

Manual Integrations

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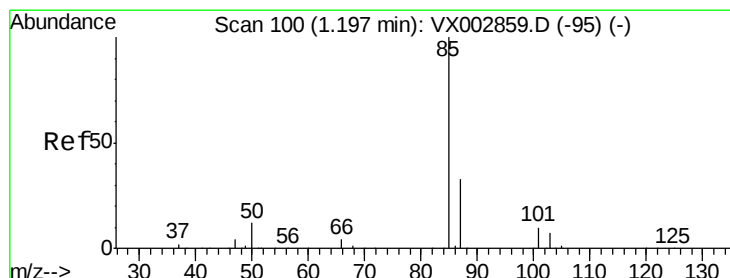
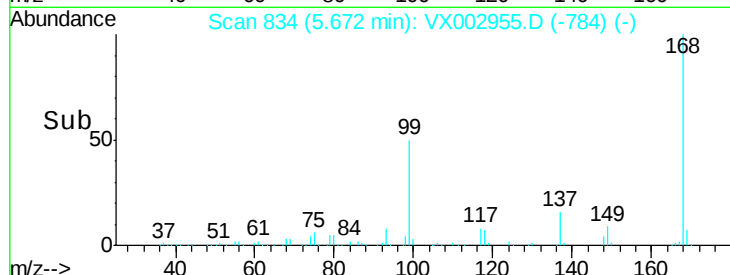
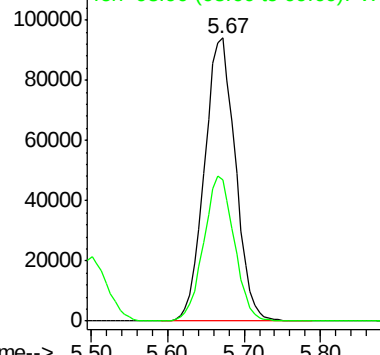
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 26.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002955.D

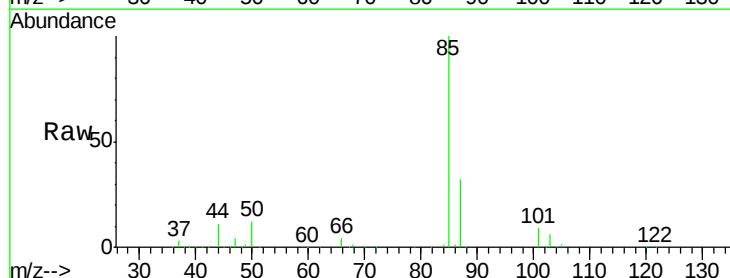
Acq: 28 Jun 2018 00:27

Tgt Ion: 85 Resp: 62566

Ion Ratio Lower Upper

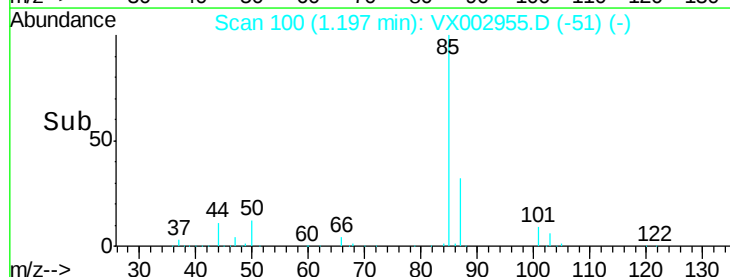
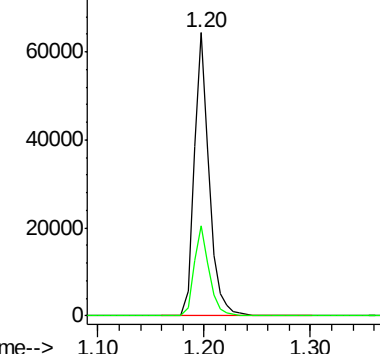
85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 24.55 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 50 Resp: 61506

Ion Ratio Lower Upper

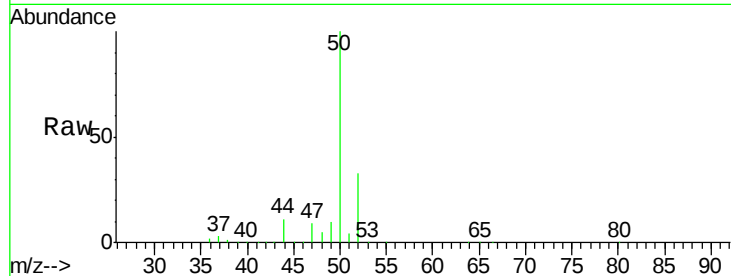
50 100

52 32.7 25.7 38.5

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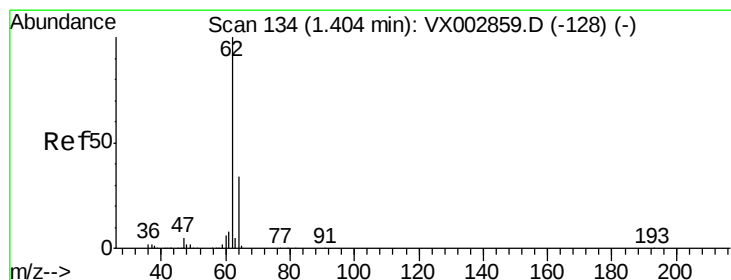
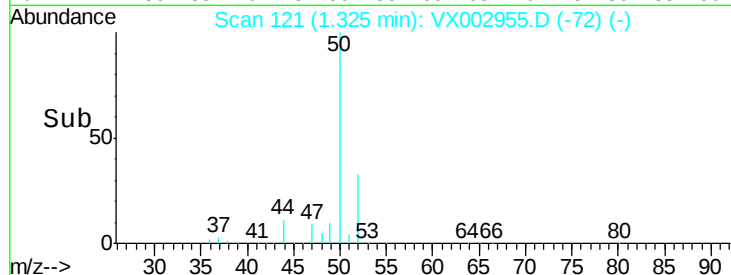
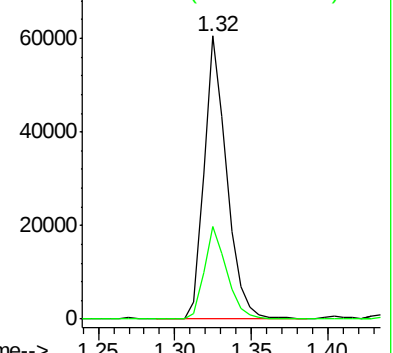
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 22.22 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002955.D

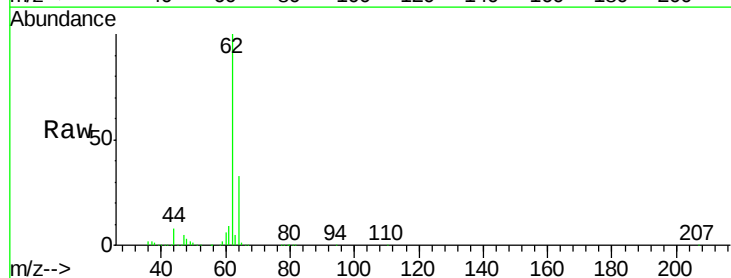
Acq: 28 Jun 2018 00:27

Tgt Ion: 62 Resp: 66256

Ion Ratio Lower Upper

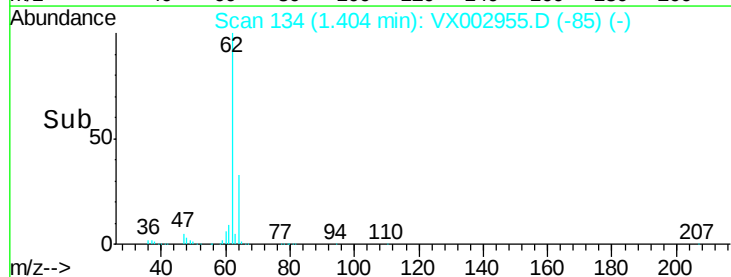
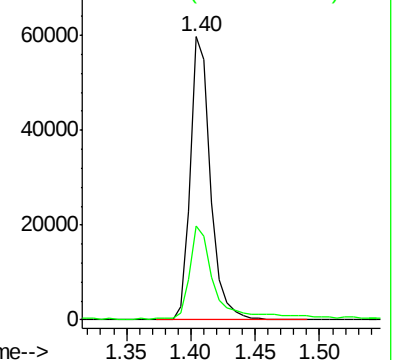
62 100

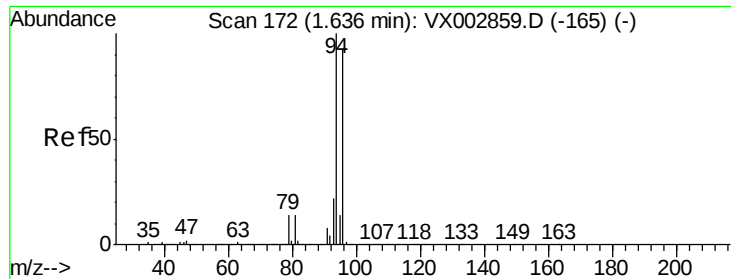
64 32.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.20 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 94 Resp: 31698

Ion Ratio Lower Upper

94 100

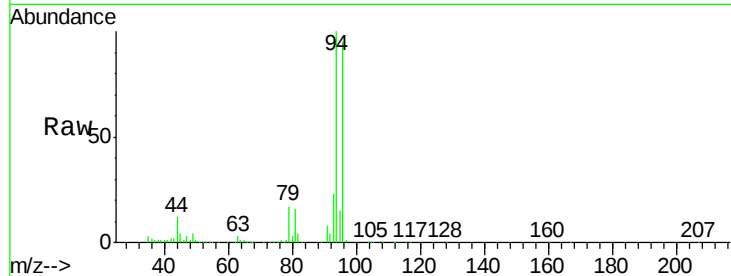
96 95.5 74.9 112.3

Manual Integrations

APPROVED

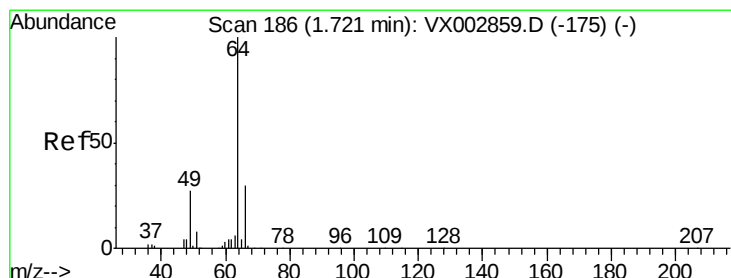
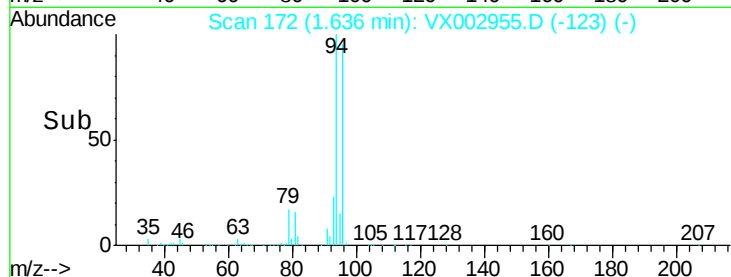
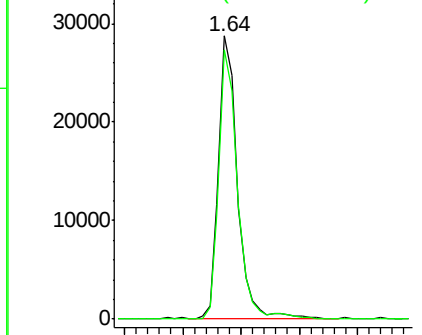
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.03 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002955.D

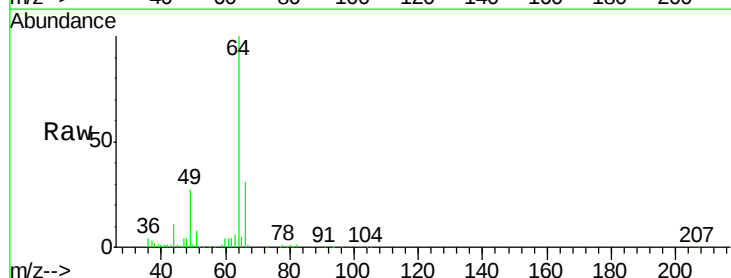
Acq: 28 Jun 2018 00:27

Tgt Ion: 64 Resp: 40613

Ion Ratio Lower Upper

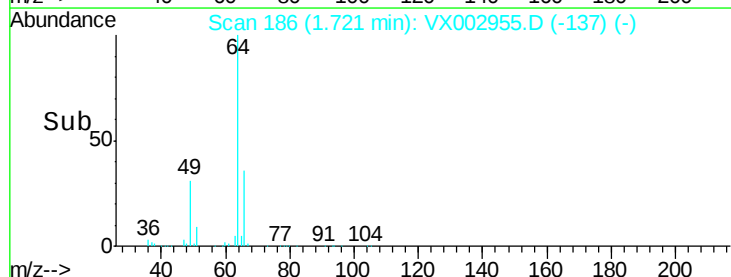
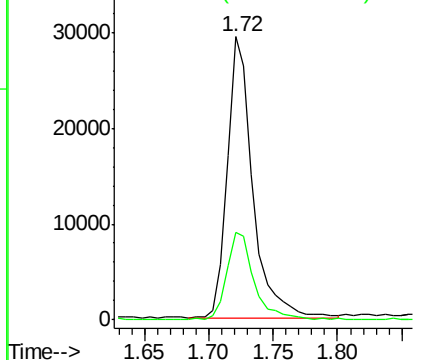
64 100

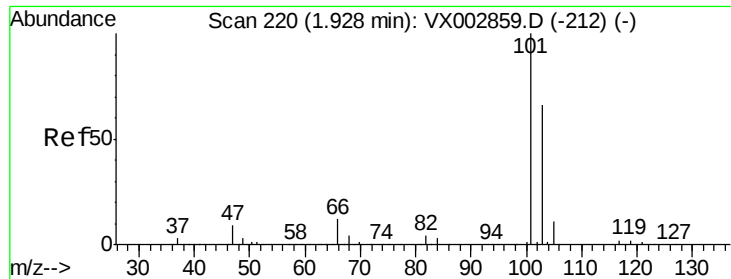
66 30.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

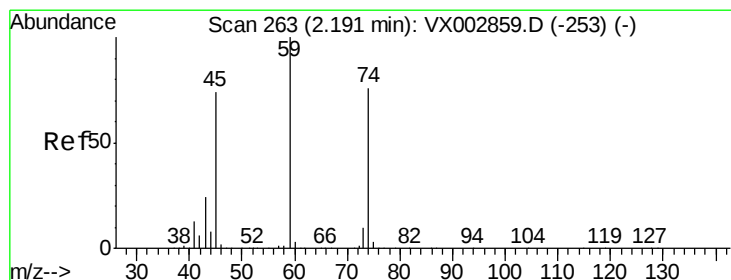
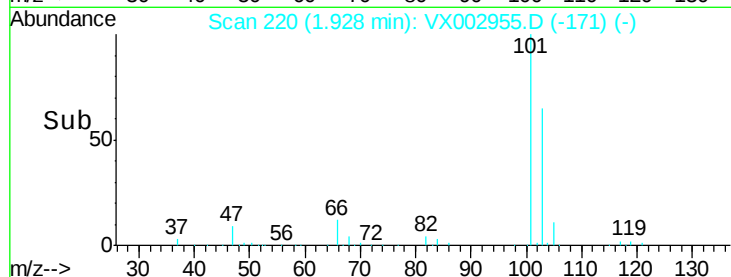
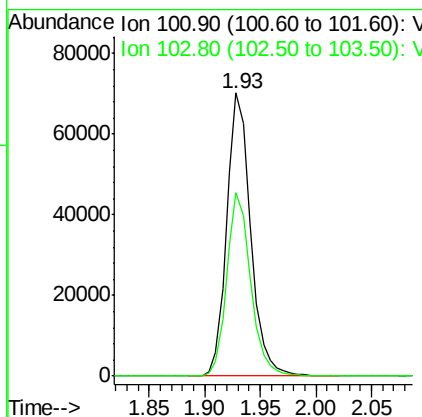
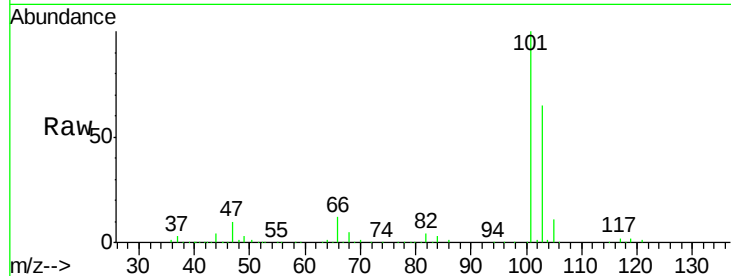
Trichlorofluoromethane
Concen: 20.72 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

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MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.8	79.2

Manual Integrations
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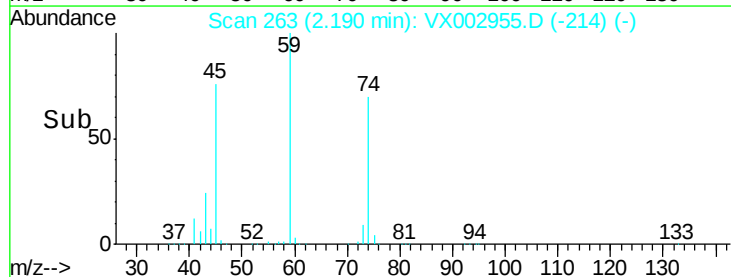
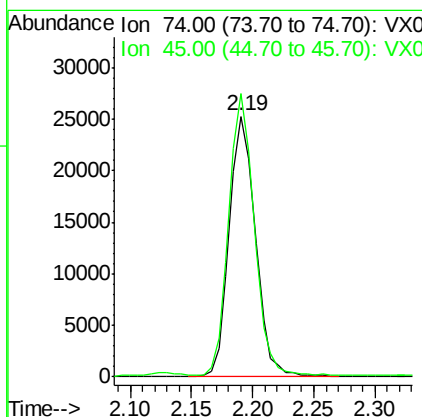
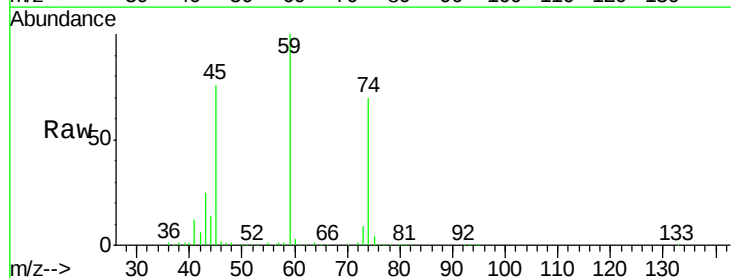
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#8

Diethyl Ether
Concen: 20.52 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.25 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

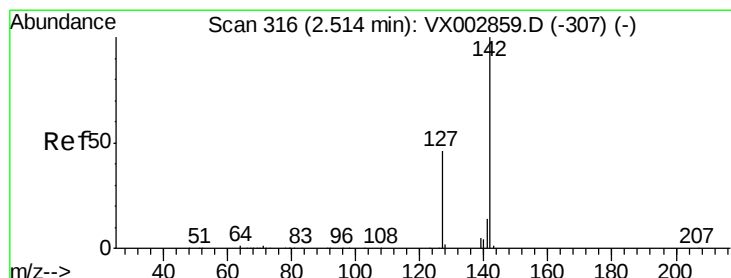
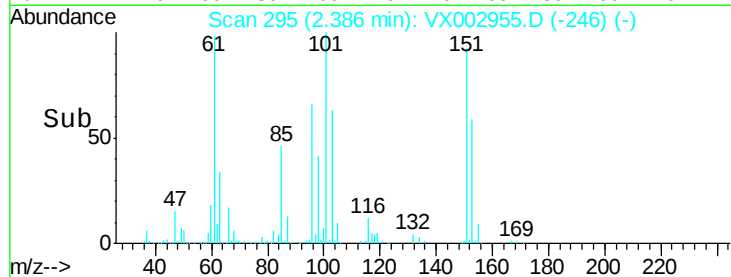
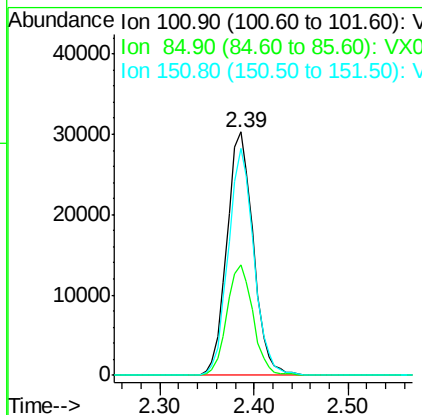
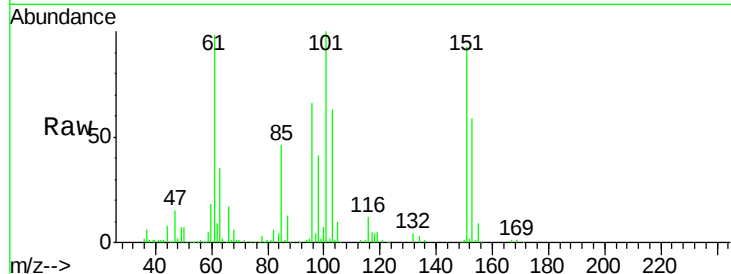
ClientSampleId :

VX0627WBSD02

Tot Ion:	101	Resp:	59024
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	90.5	70.9	106.3

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#10

Methyl Iodide

Concen: 23.64 ug/l

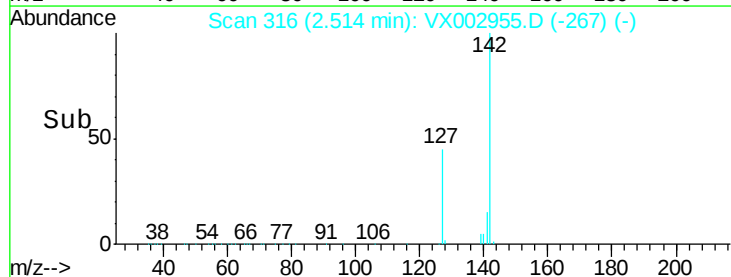
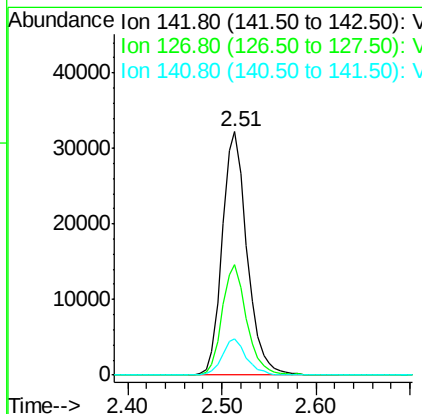
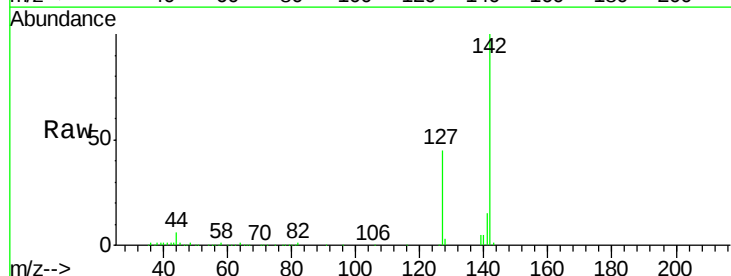
RT: 2.51 min Scan# 316

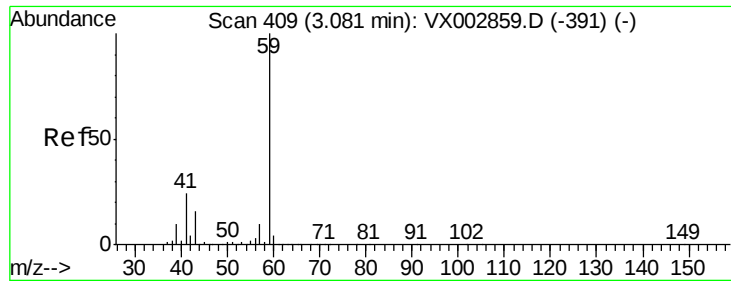
Delta R.T. 0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	142	Resp:	58783
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.6	55.0
141	14.5	11.3	16.9





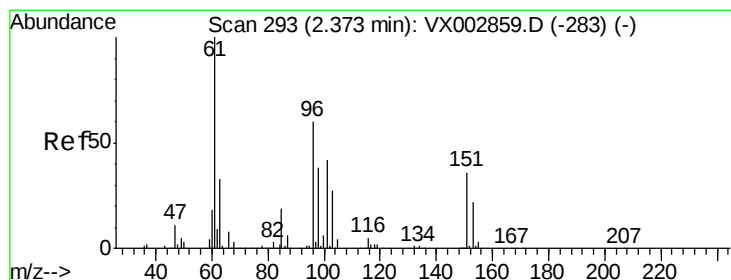
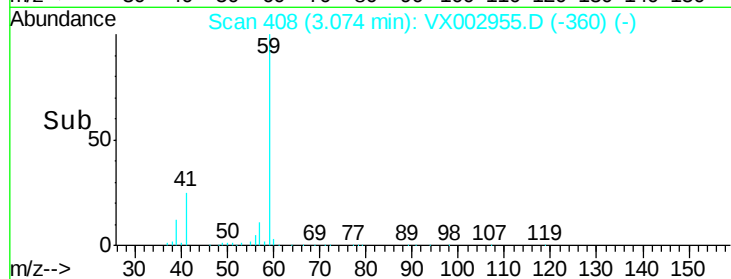
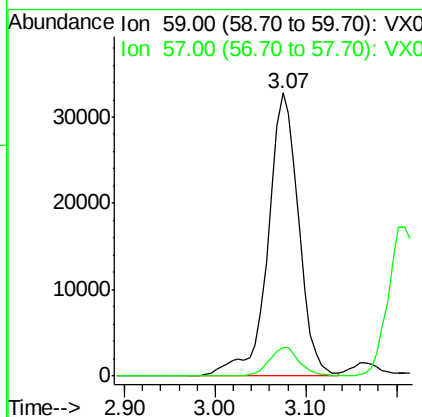
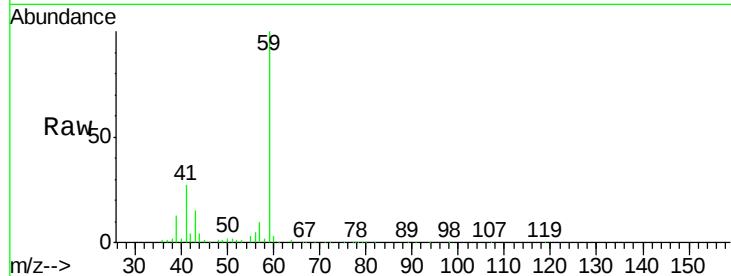
#11
Tert butyl alcohol
Concen: 106.12 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion: 59 Resp: 77050
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

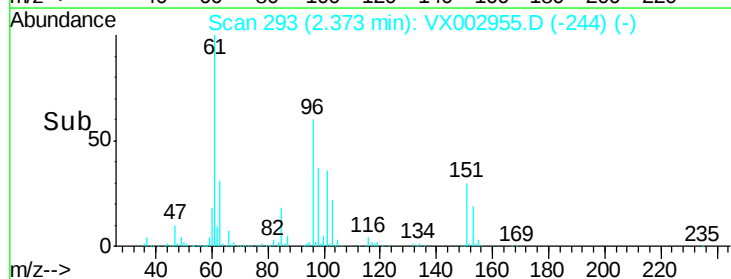
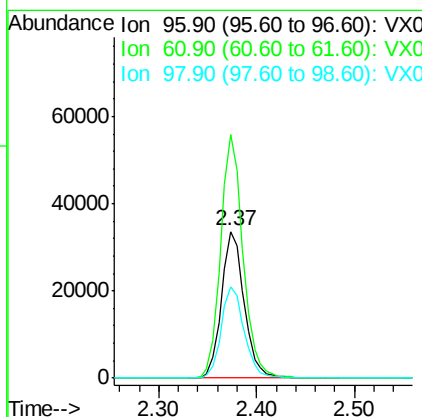
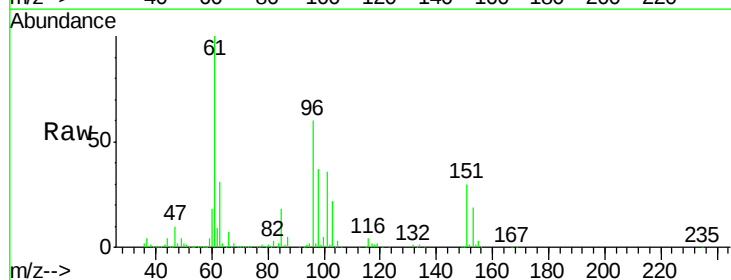
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#12
1,1-Dichloroethene
Concen: 20.85 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion: 96 Resp: 54210
Ion Ratio Lower Upper
96 100
61 166.0 137.9 206.9
98 62.3 51.6 77.4





#13

Acrolein

Concen: 116.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 56 Resp: 45768

Ion Ratio Lower Upper

56 100

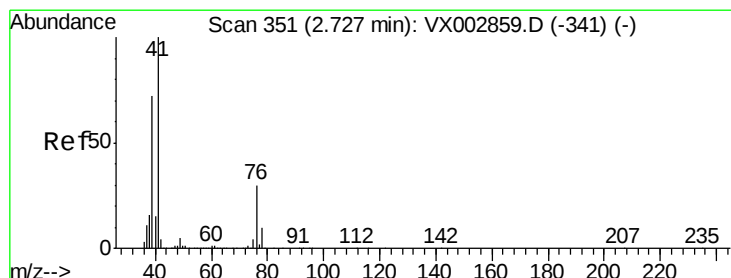
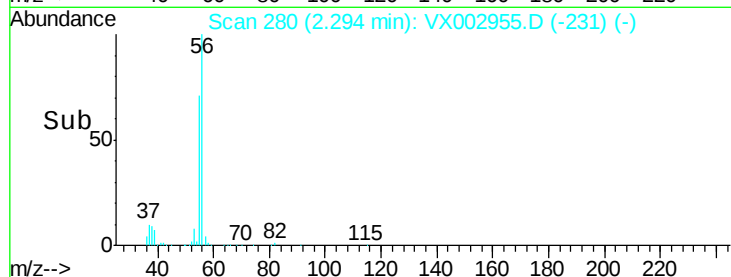
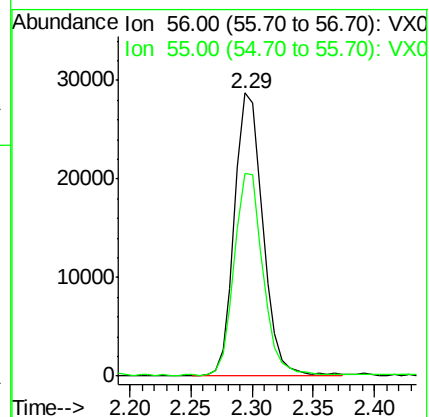
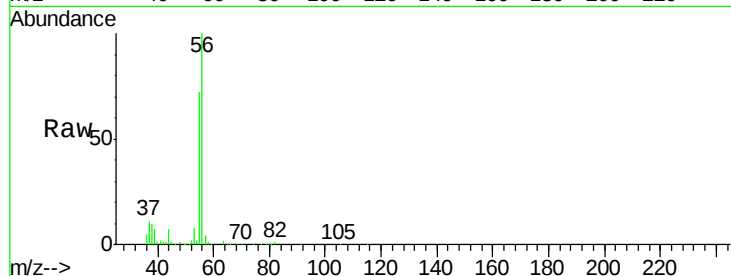
55 72.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.10 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

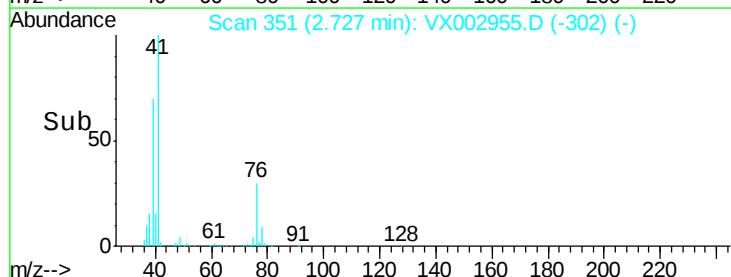
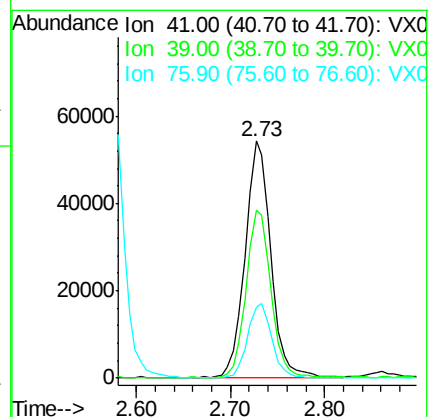
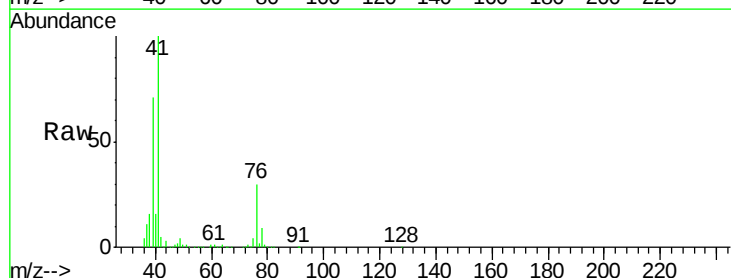
Tgt Ion: 41 Resp: 103037

Ion Ratio Lower Upper

41 100

39 68.2 56.8 85.2

76 30.3 23.8 35.8





#15

Acrylonitrile

Concen: 104.52 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

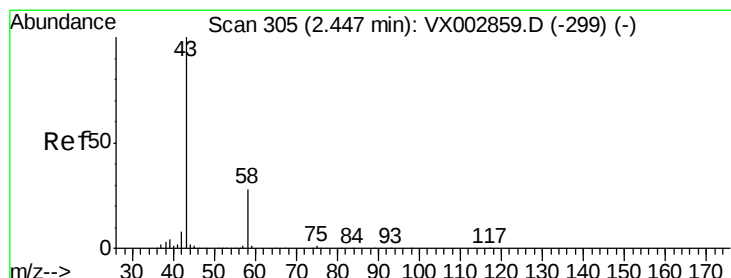
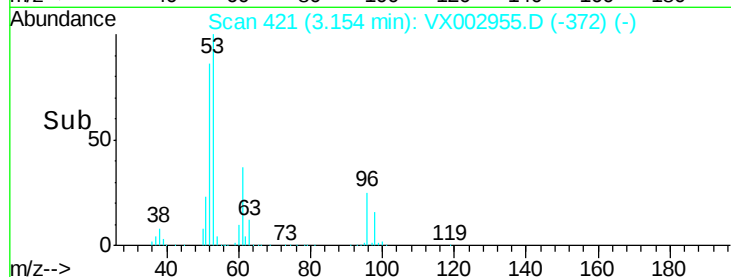
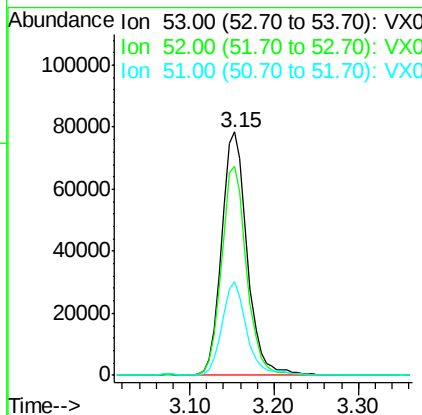
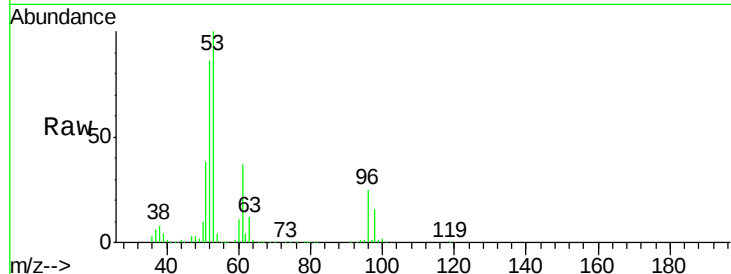
ClientSampleId :

VX0627WBSD02

Tot Ion:	53	Resp:	162097
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 99.87 ug/l

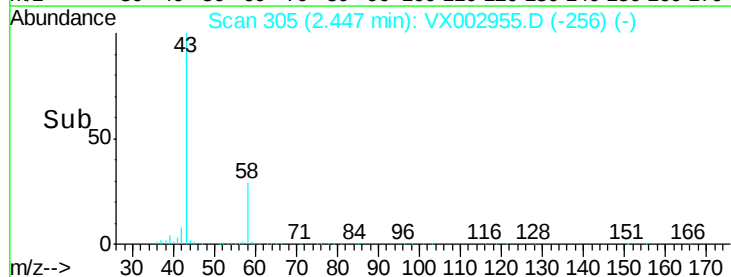
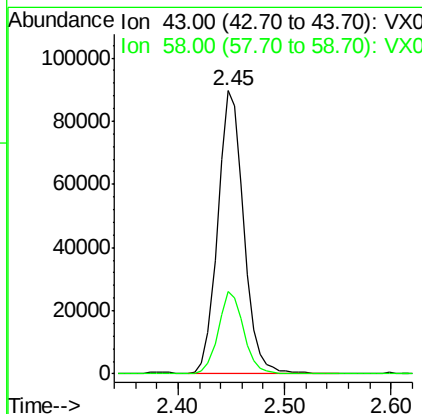
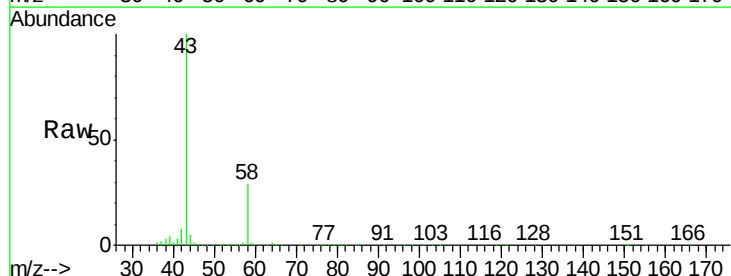
RT: 2.45 min Scan# 305

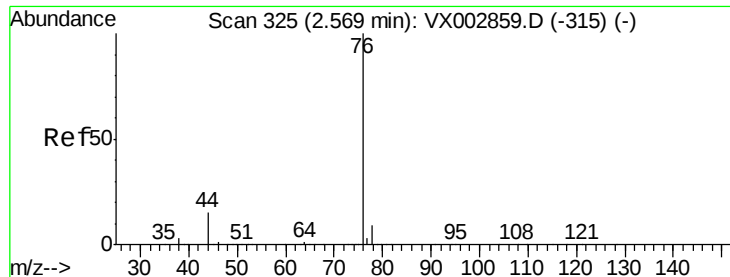
Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	43	Resp:	150734
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.1	33.1





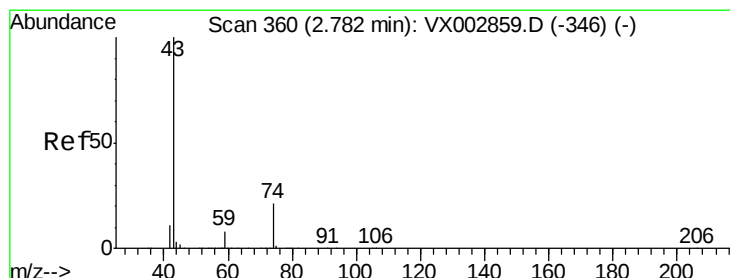
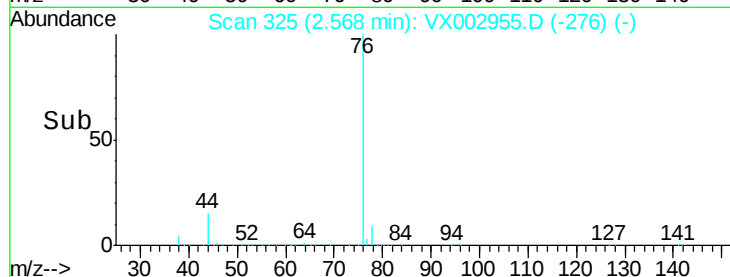
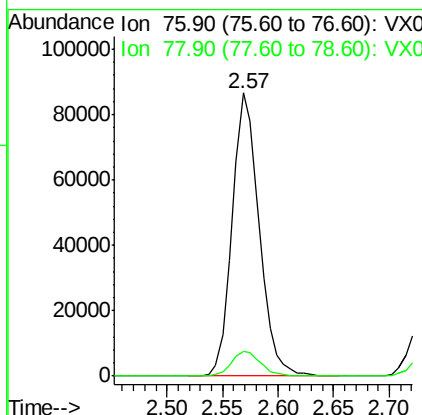
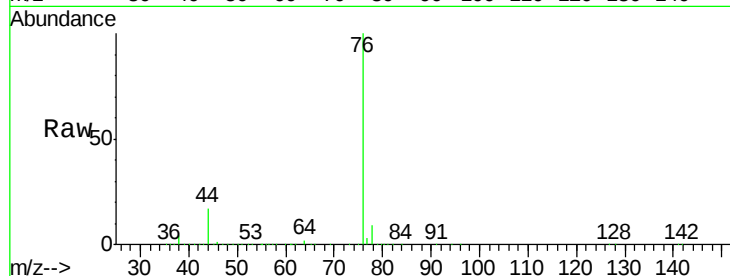
#17
Carbon Disulfide
Concen: 21.02 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3

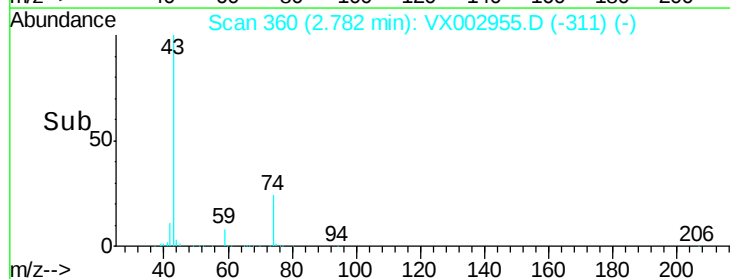
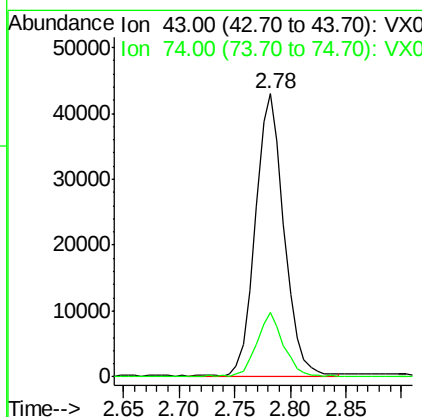
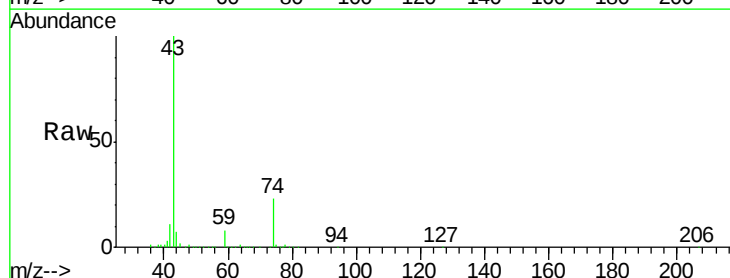
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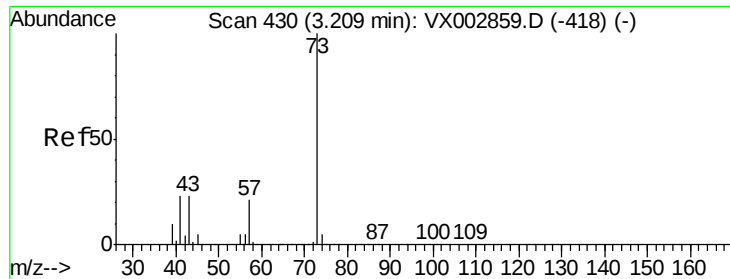
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#18
Methyl Acetate
Concen: 18.21 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.7	25.1





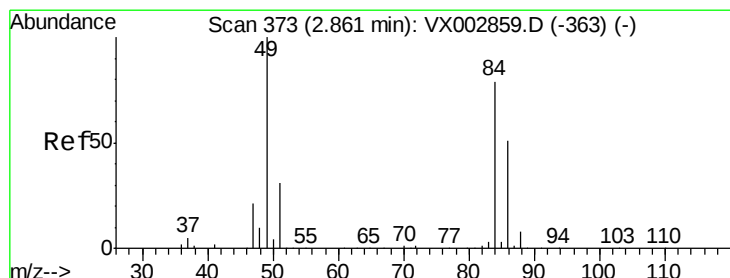
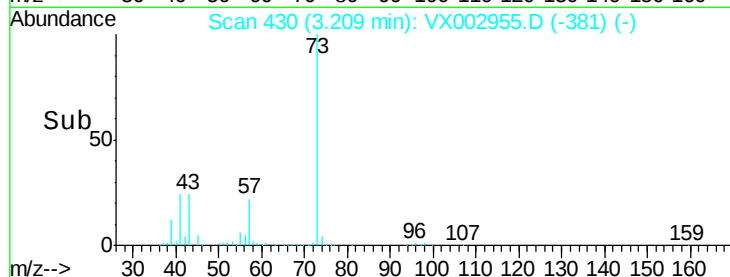
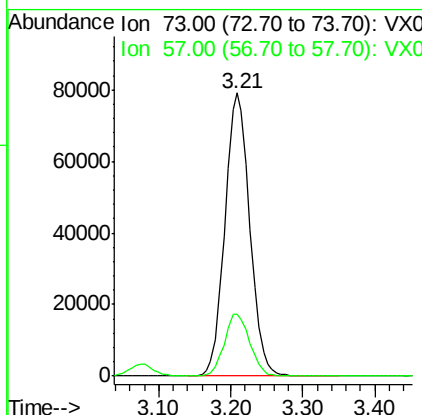
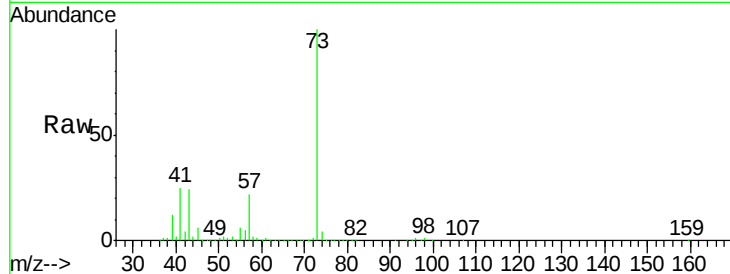
#19
Methvl tert-butvl Ether
Concen: 20.26 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion: 73 Resp: 189388
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

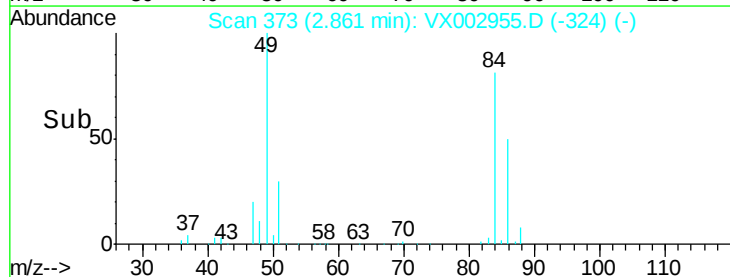
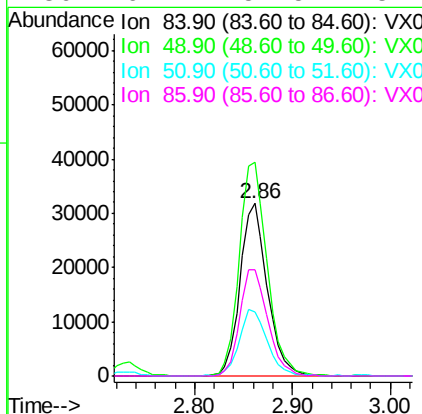
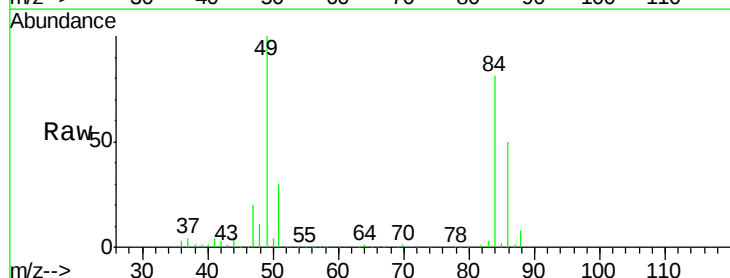
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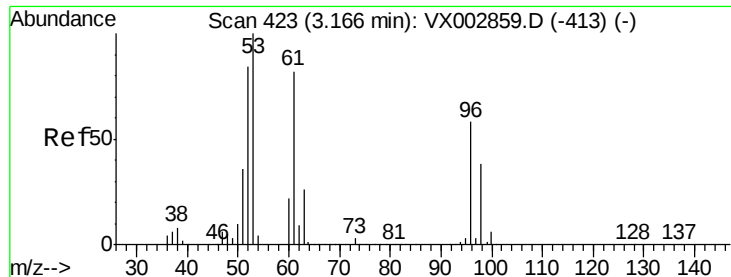
MMDadoda
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#20
Methylene Chloride
Concen: 20.94 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion: 84 Resp: 61496
Ion Ratio Lower Upper
84 100
49 123.4 107.8 161.6
51 37.2 32.8 49.2
86 61.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 96 Resp: 57578

Ion Ratio Lower Upper

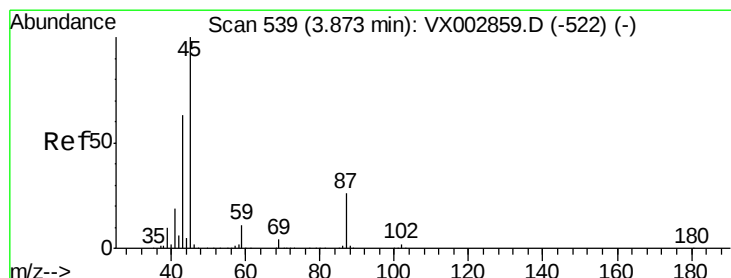
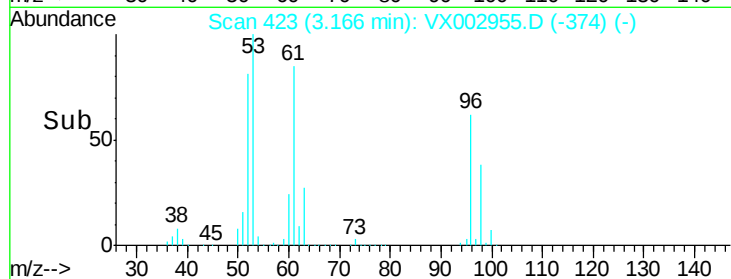
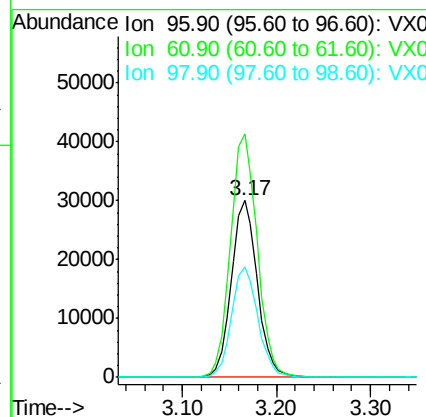
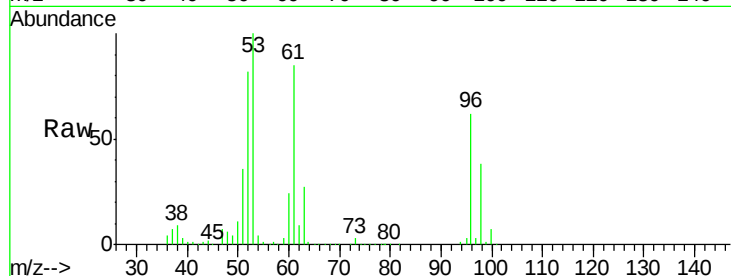
96 100

61 137.6 117.0 175.4

98 62.2 52.4 78.6

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#22

Diisopropyl ether

Concen: 20.63 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion: 45 Resp: 202135

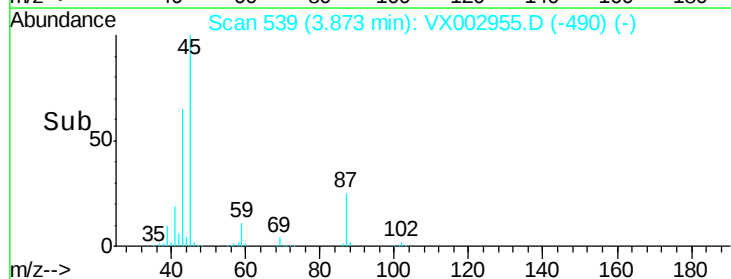
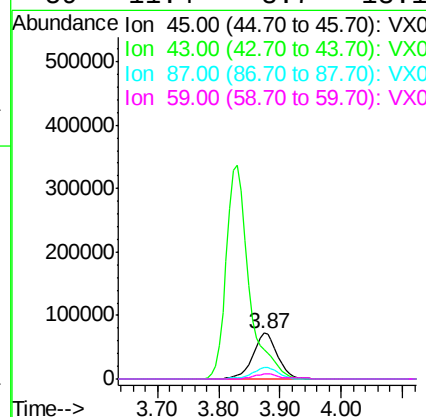
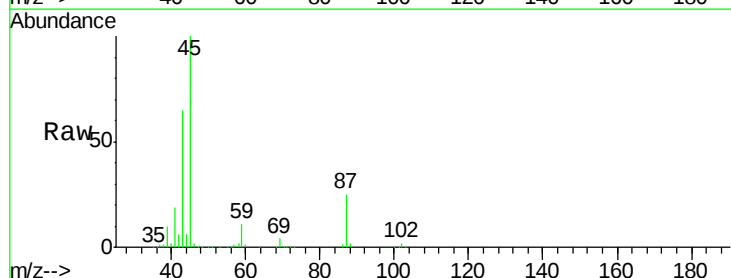
Ion Ratio Lower Upper

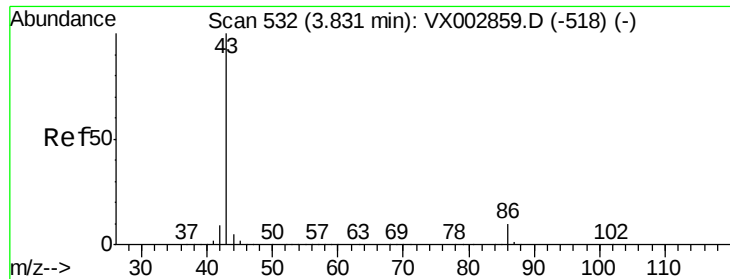
45 100

43 65.1 46.8 70.2

87 25.4 20.2 30.4

59 11.4 8.7 13.1





#23

Vinyl Acetate

Concen: 105.34 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 43 Resp: 874004

Ion Ratio Lower Upper

43 100

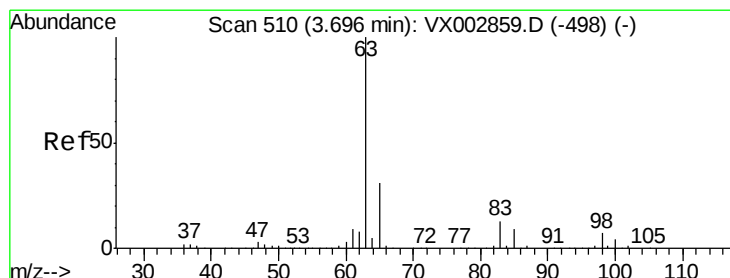
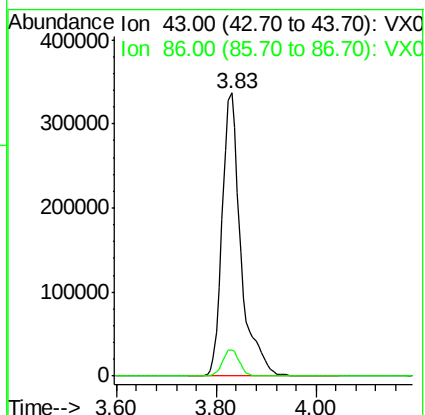
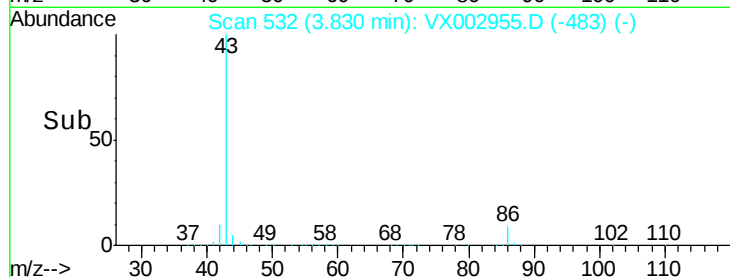
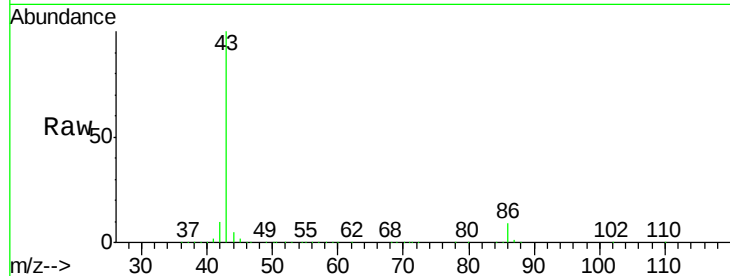
86 9.3 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 20.54 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

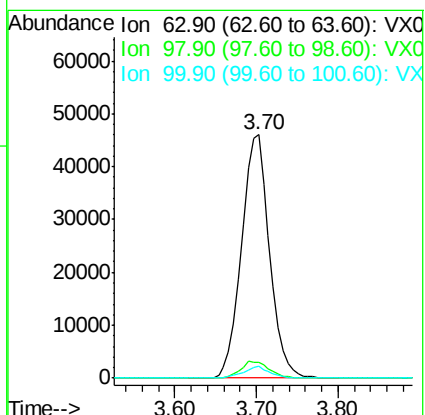
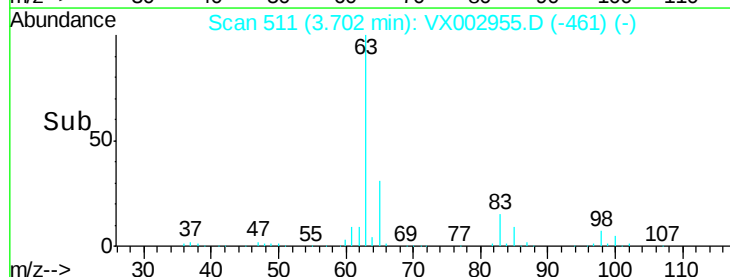
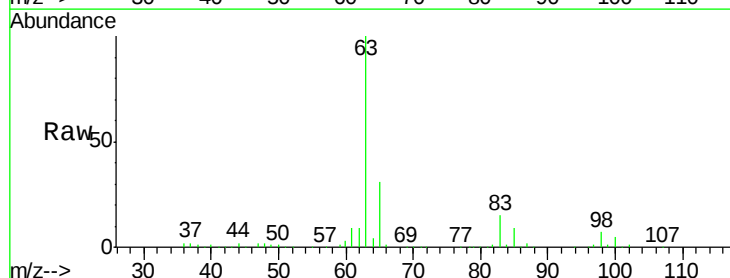
Tgt Ion: 63 Resp: 109389

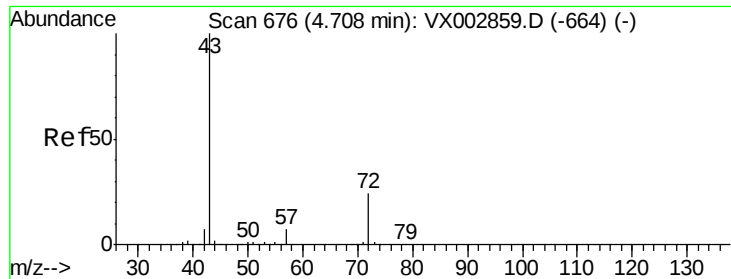
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 104.15 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 43 Resp: 233291

Ion Ratio Lower Upper

43 100

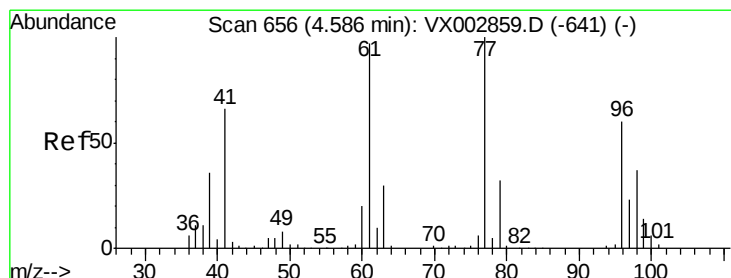
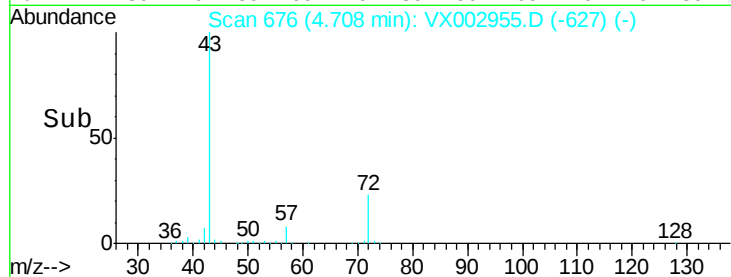
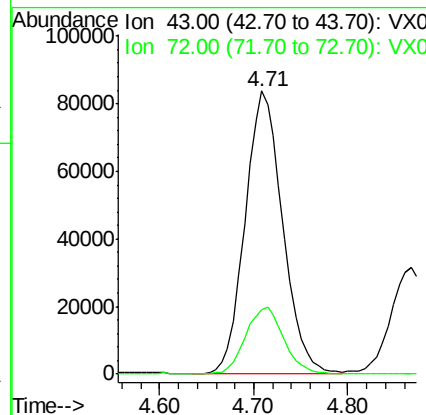
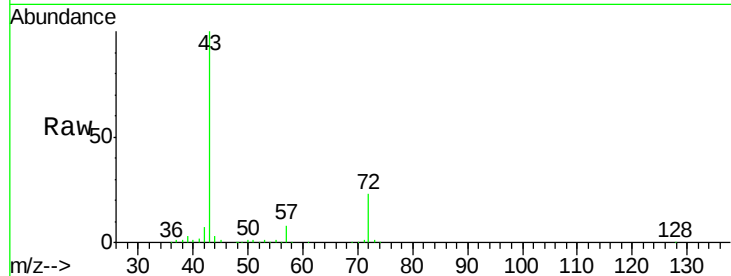
72 22.8 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.18 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002955.D

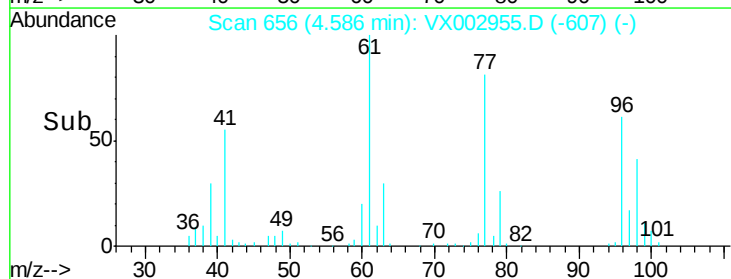
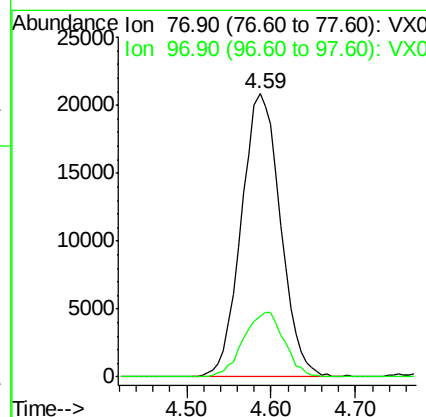
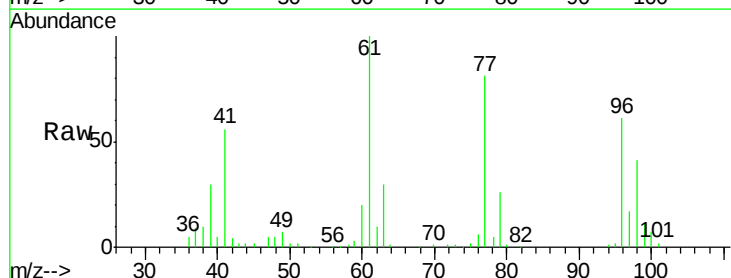
Acq: 28 Jun 2018 00:27

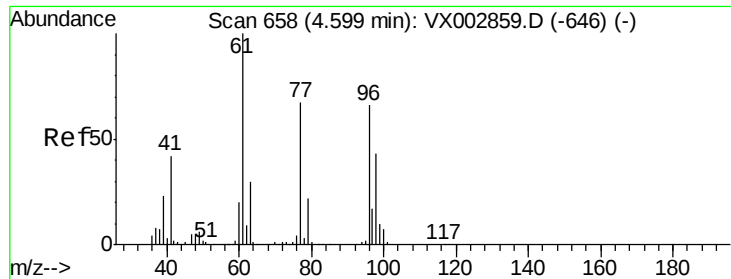
Tgt Ion: 77 Resp: 65723

Ion Ratio Lower Upper

77 100

97 23.8 11.2 33.5





#27

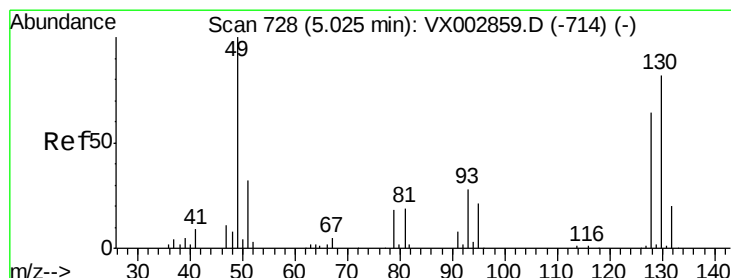
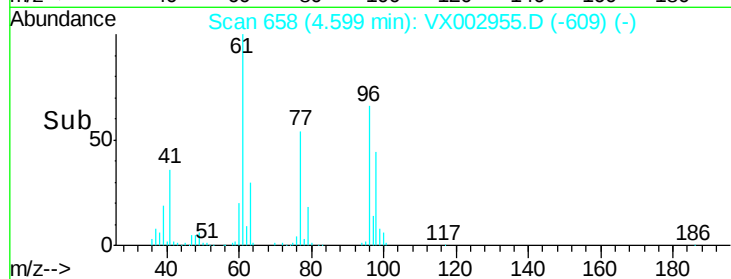
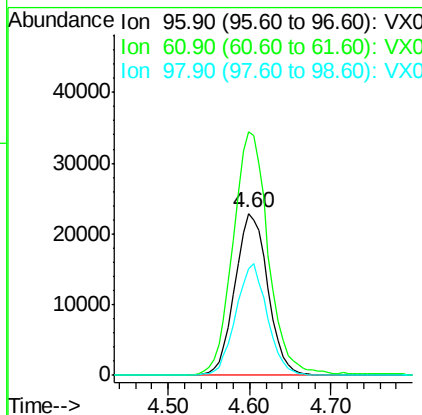
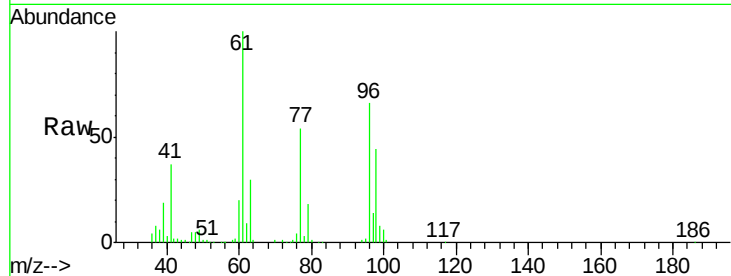
cis-1,2-Dichloroethene
Concen: 20.20 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	330.2
98	65.9	0.0	130.2

Manual Integrations
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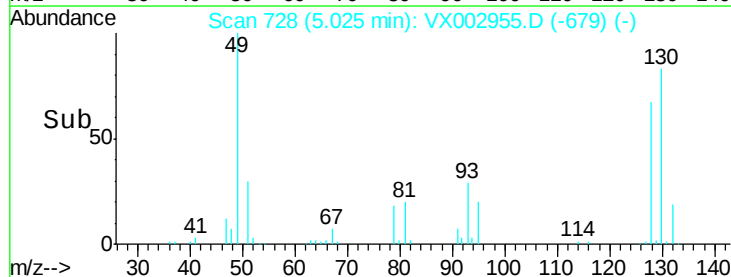
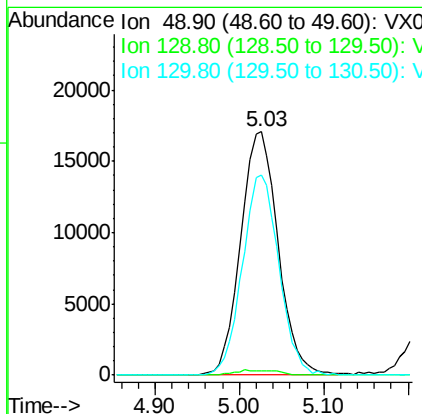
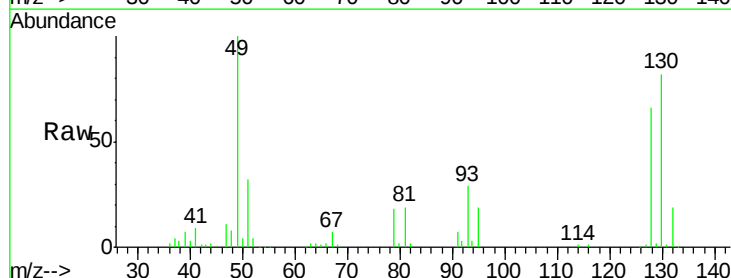
MMDadoda
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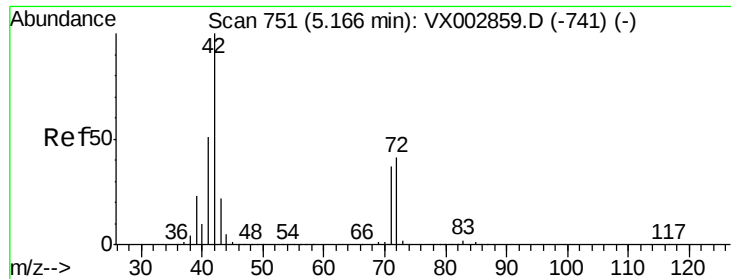


#28

Bromochloromethane
Concen: 20.19 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	80.4	61.2	91.8





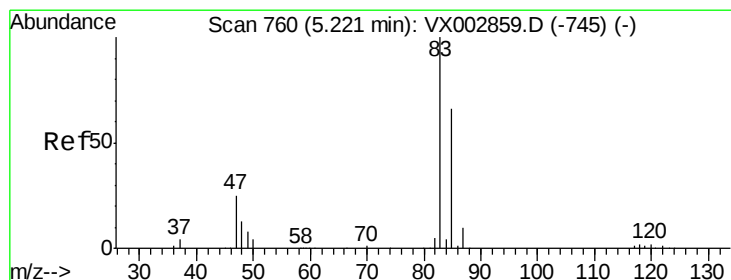
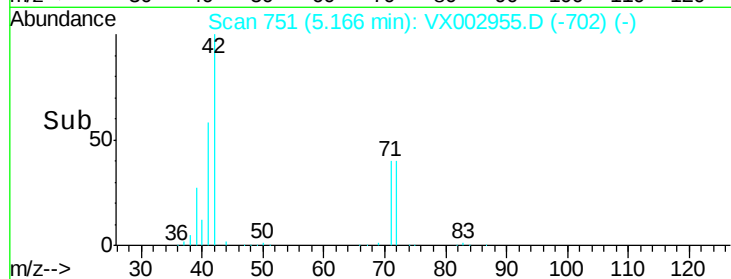
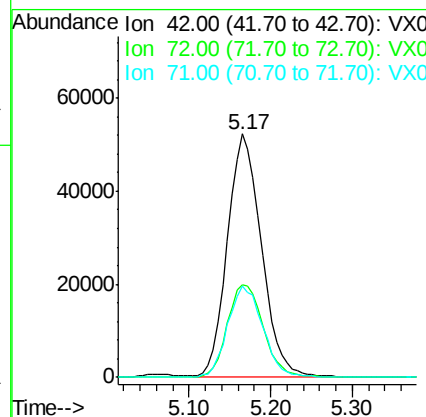
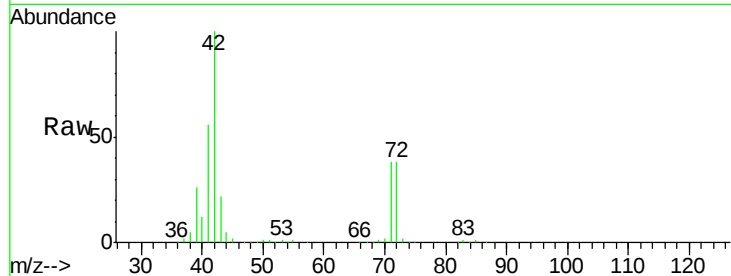
#29
Tetrahydrofuran
Concen: 104.66 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	38.9	30.1	45.1

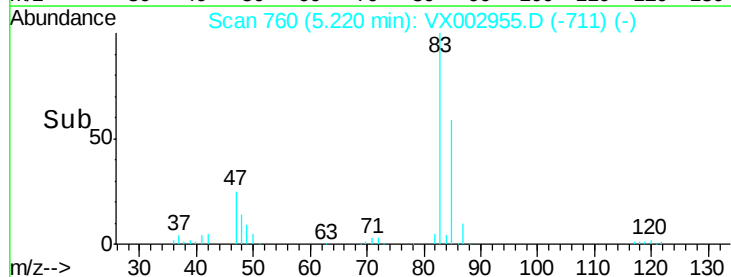
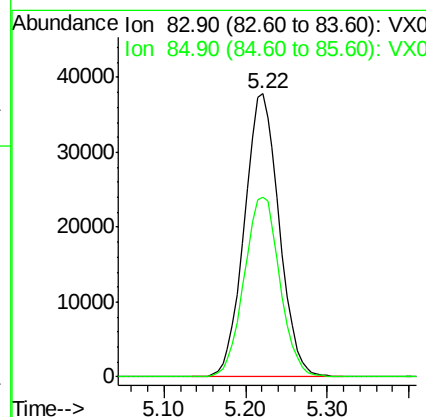
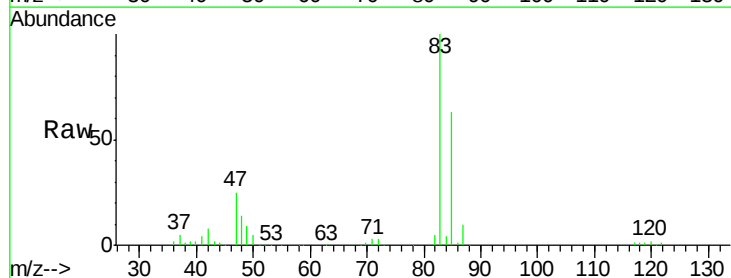
Manual Integrations
APPROVED

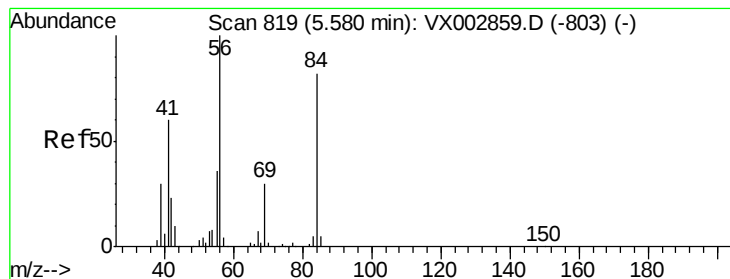
MMDadoda
6/28/2018 4:47:58 PM



#30
Chloroform
Concen: 20.50 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.4	75.6





#31

Cyclohexane

Concen: 20.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

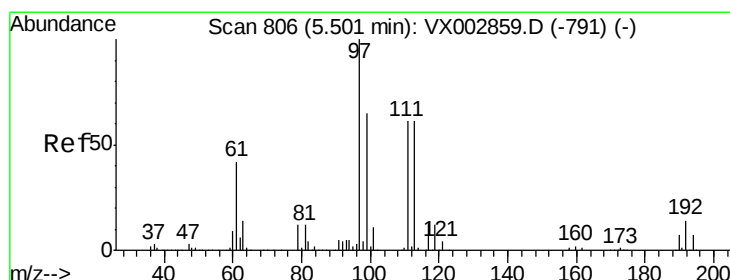
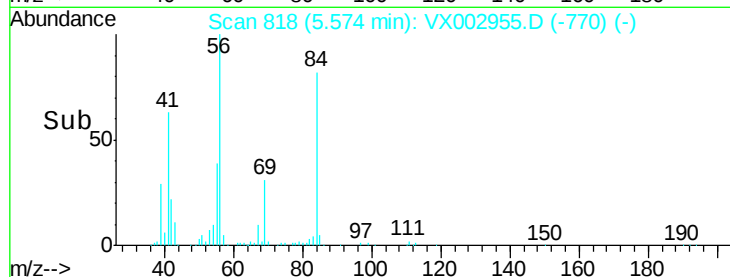
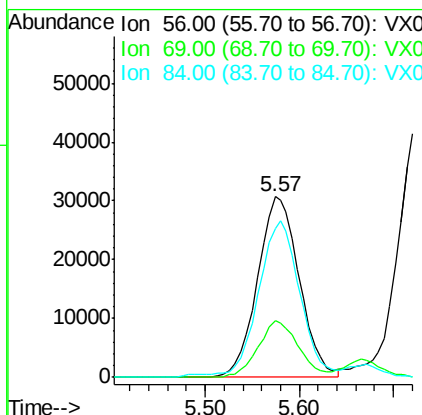
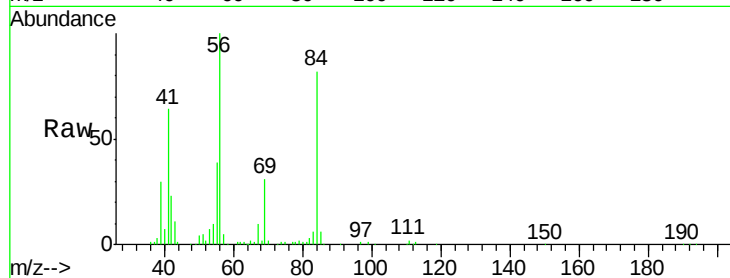
ClientSampleId :

VX0627WBSD02

Tot Ion:	56	Resp:	95152
Ion Ratio	Lower	Upper	
56	100		
69	31.4	23.7	35.5
84	80.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.48 ug/l

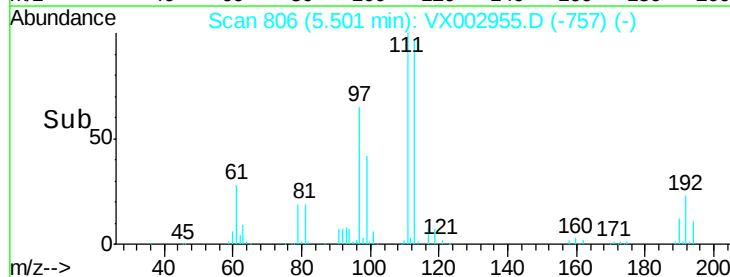
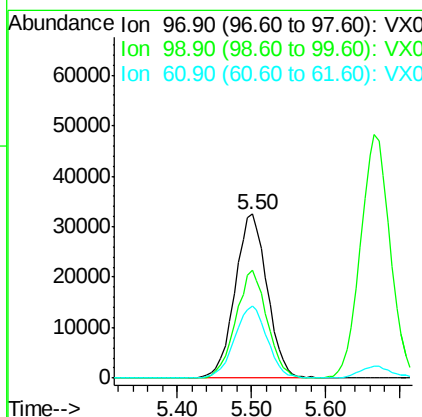
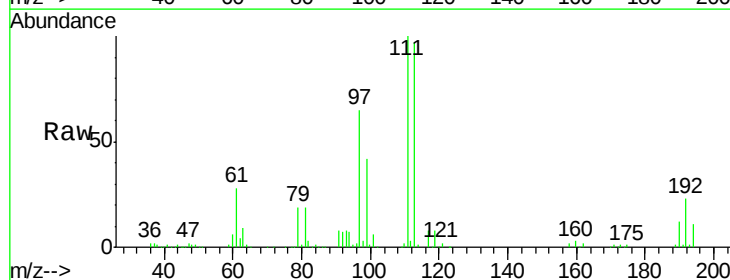
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	97	Resp:	98484
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.6	77.4
61	44.4	36.4	54.6





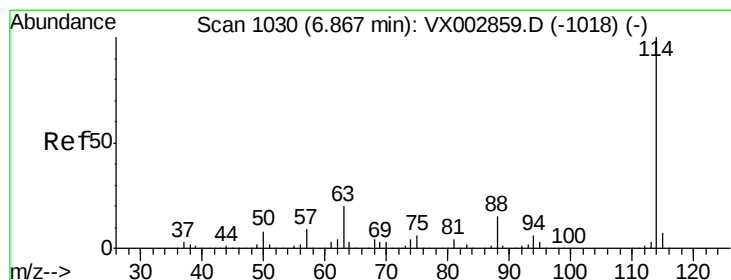
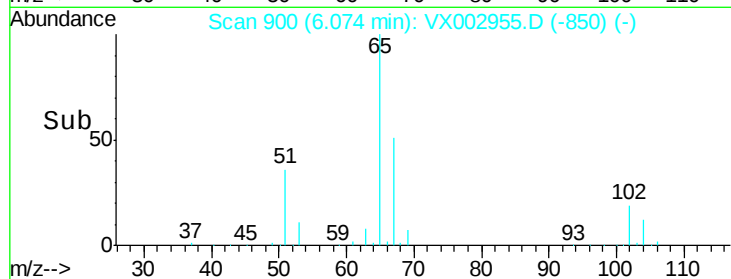
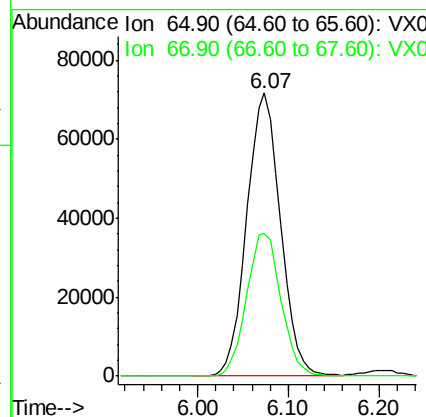
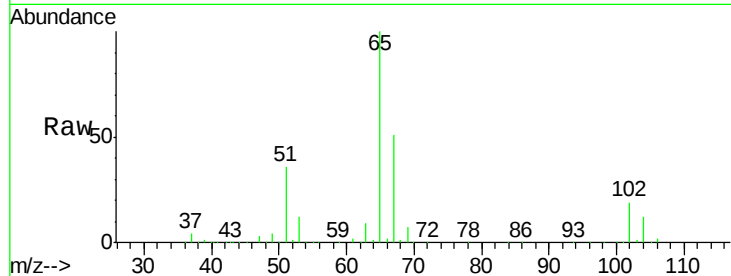
#33
 1,2-Dichloroethane-d4
 Concen: 50.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184482		
67	51.7	0.0	102.6	

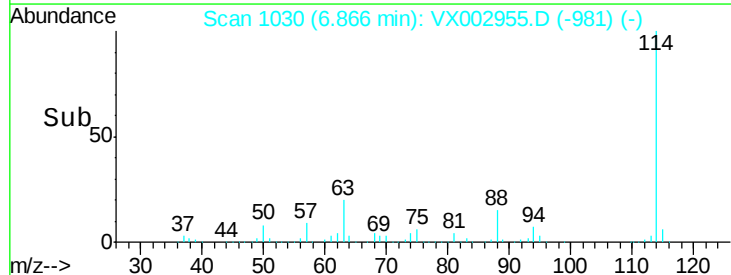
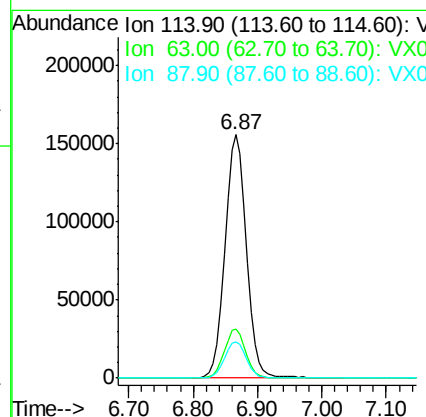
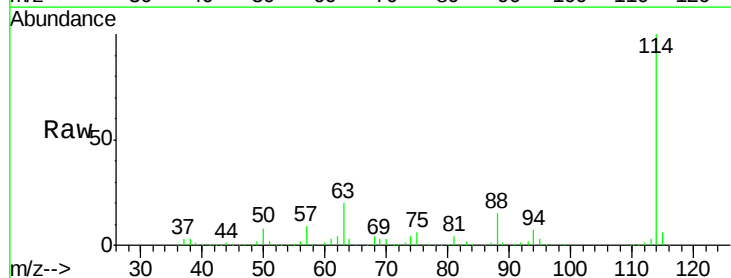
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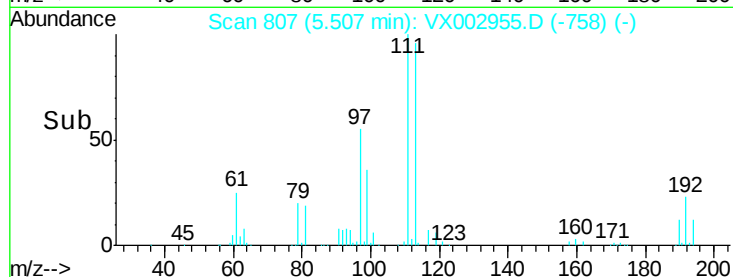
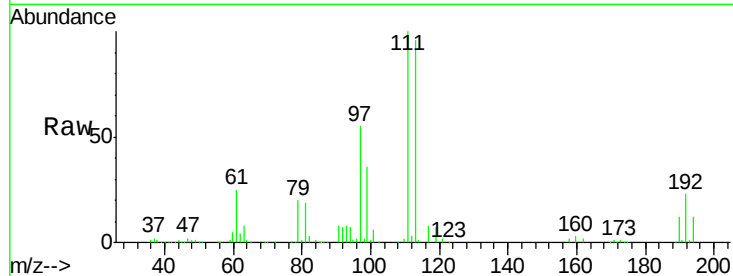
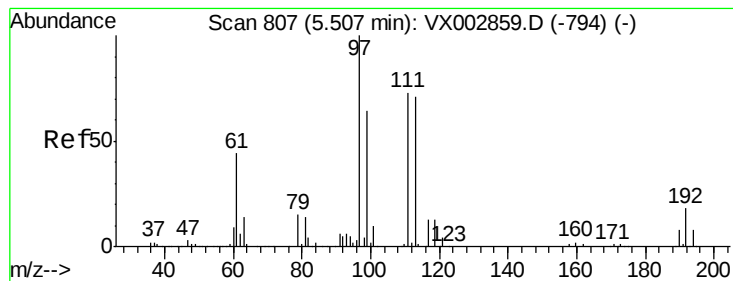
MMDadoda
 6/28/2018 4:47:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366144		
63	20.3	0.0	41.4	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.73 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002955.D

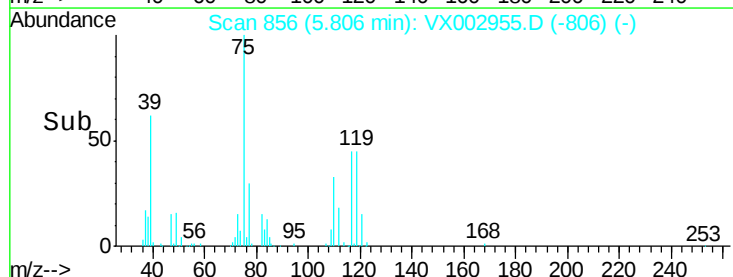
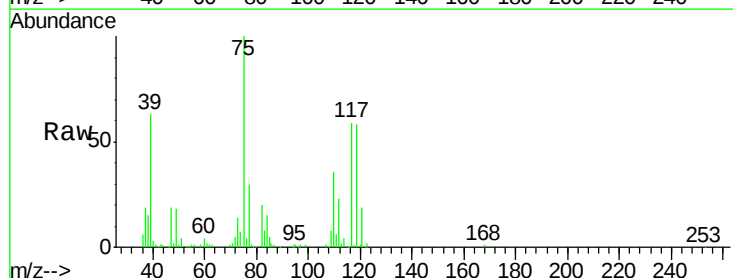
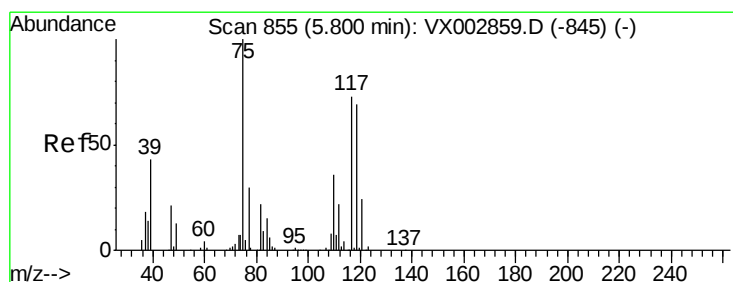
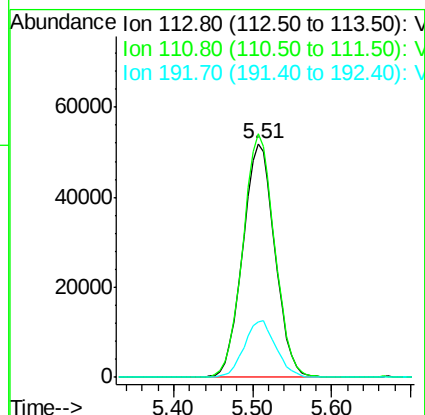
Acq: 28 Jun 2018 00:27

Tot Ion:	113	Resp:	147090
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	23.9	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.16 ug/l

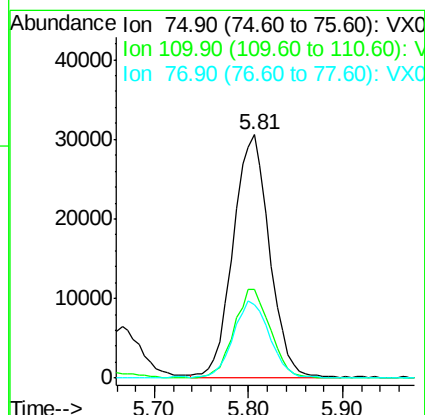
RT: 5.81 min Scan# 856

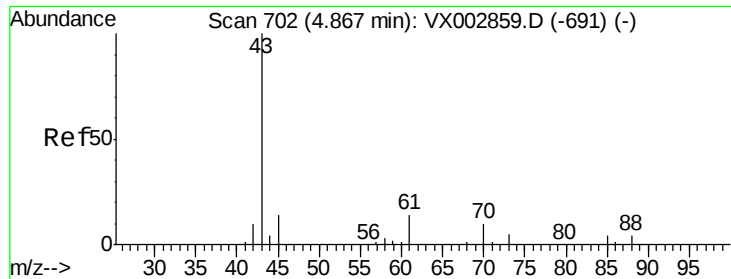
Delta R.T. 0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	75	Resp:	80954
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.4
77	32.2	24.3	36.5





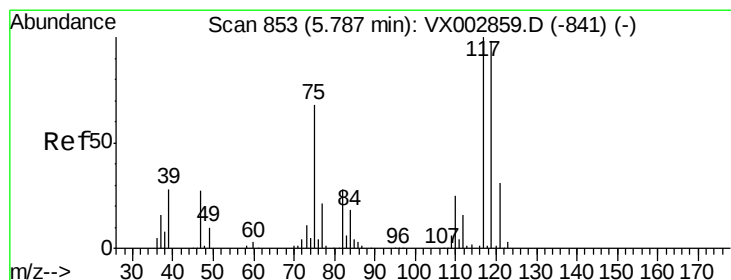
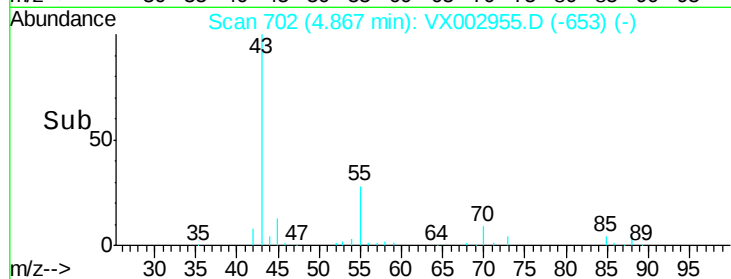
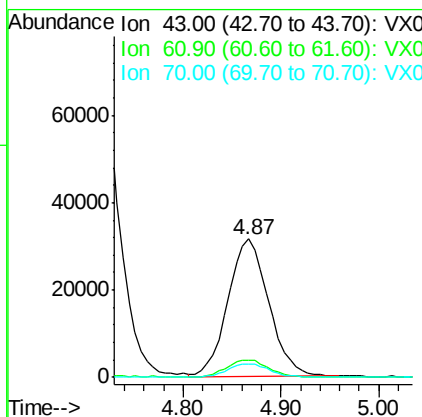
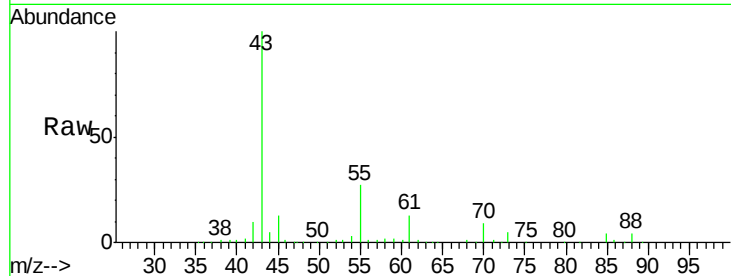
#37
Ethyl Acetate
Concen: 21.05 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	10.2	7.6	11.4

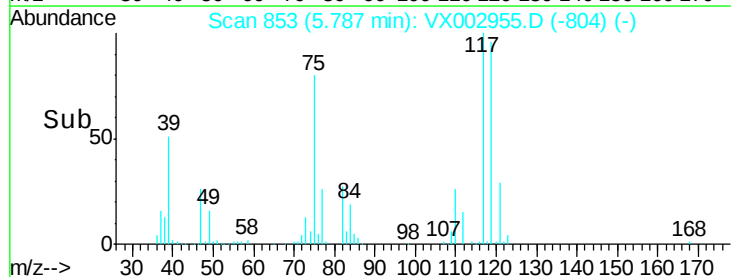
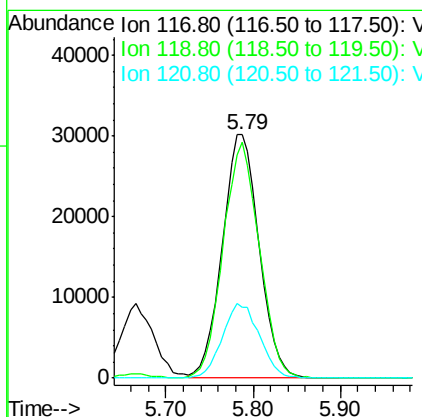
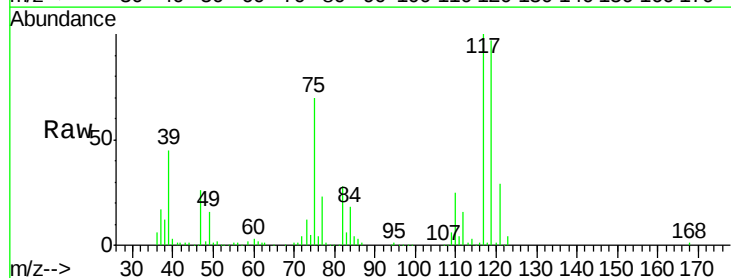
Manual Integrations
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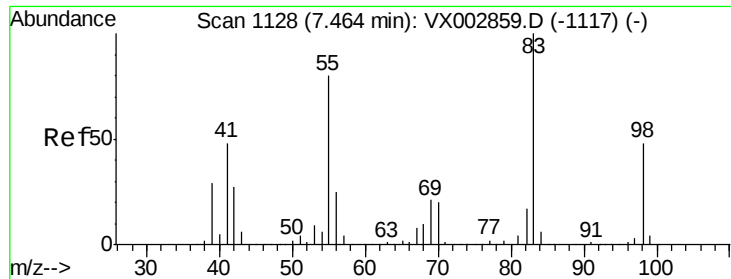
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#38
Carbon Tetrachloride
Concen: 19.98 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.4	116.0
121	29.2	24.4	36.6





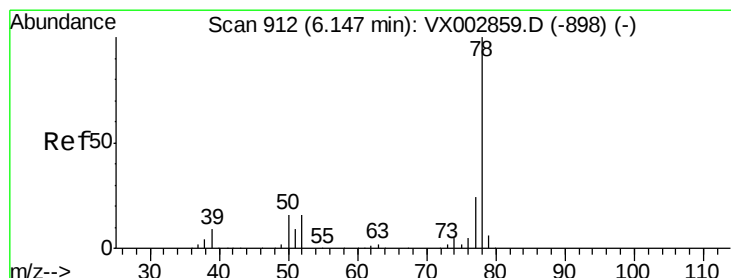
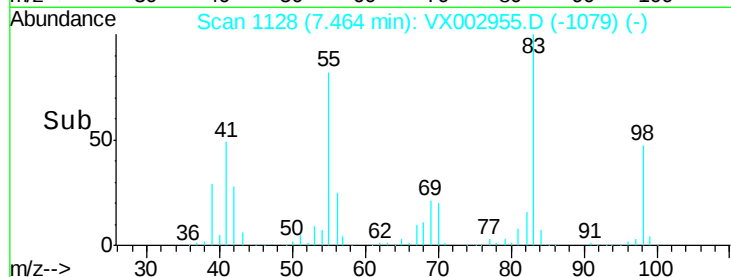
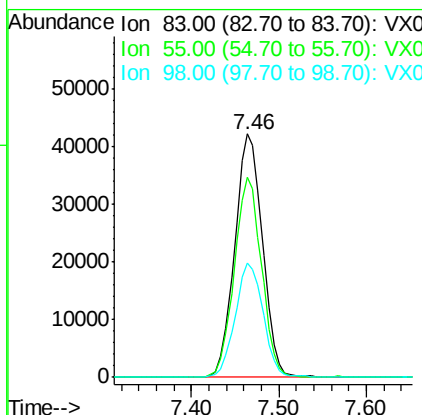
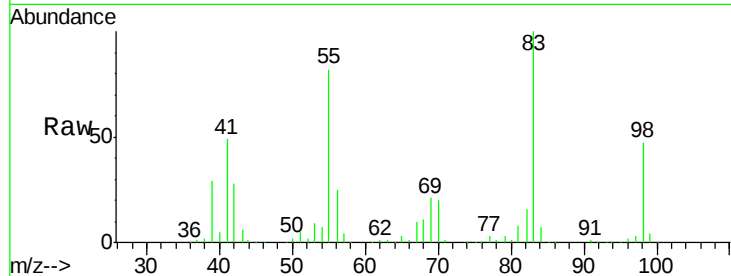
#39
Methylvlcyclohexane
Concen: 19.90 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	65.4	98.0
98	47.1	37.4	56.0

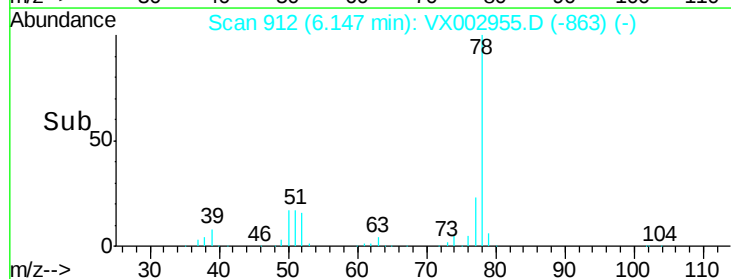
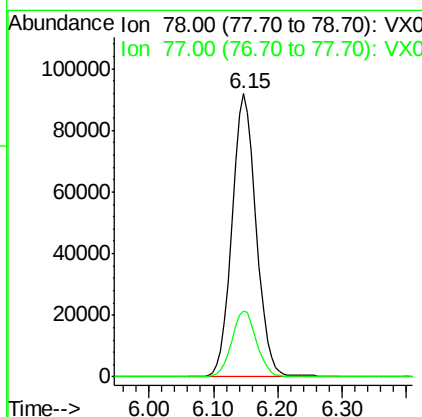
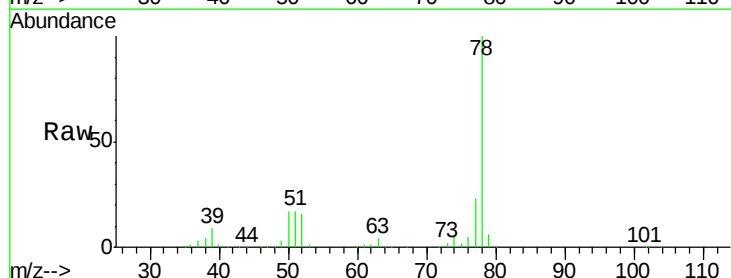
Manual Integrations
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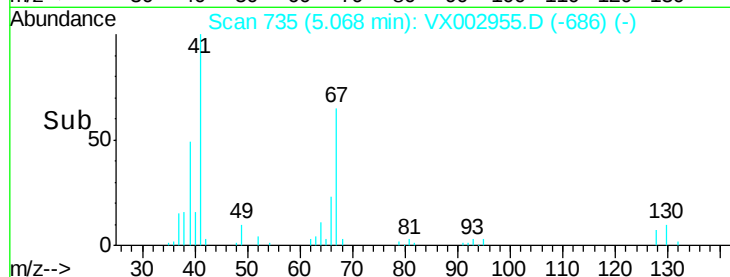
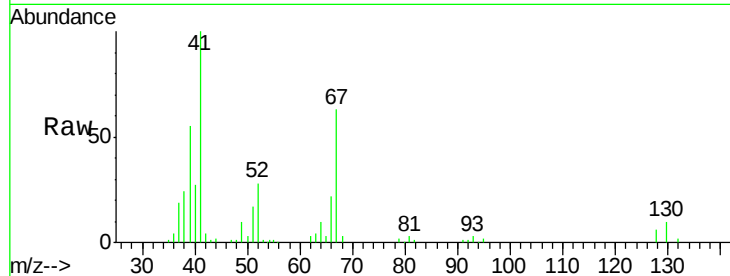
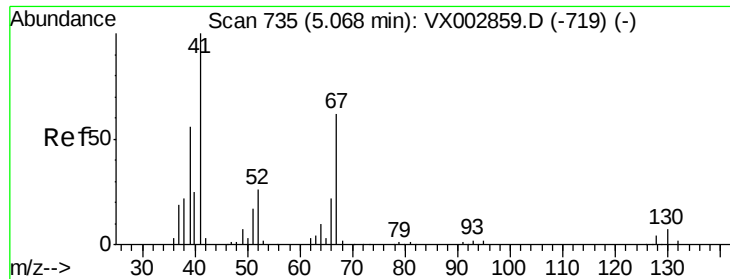
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#40
Benzene
Concen: 20.68 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

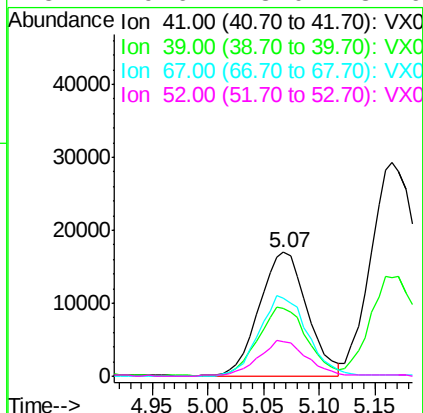
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41
Methacrylonitrile
Concen: 20.26 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

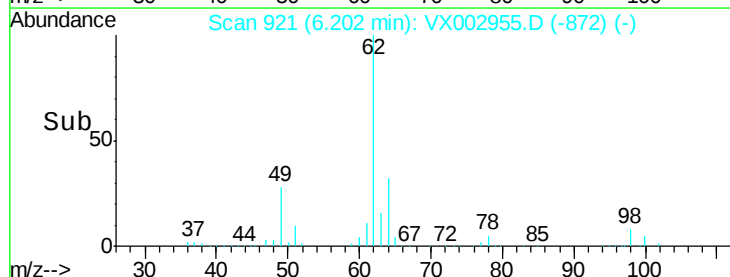
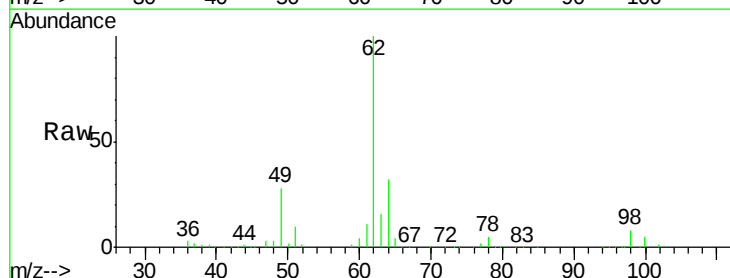
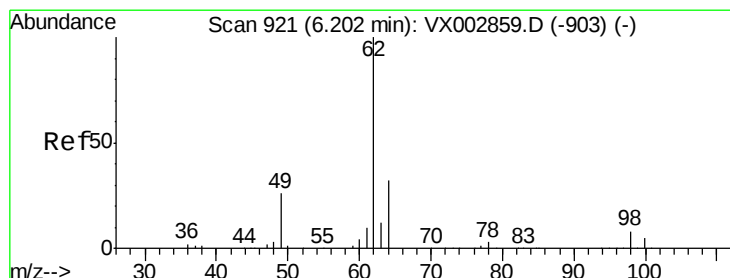
Tot Ion	41	Resp	50439
Ion	Ratio	Lower	Upper
41	100		
39	57.8	45.8	68.6
67	66.8	51.3	76.9
52	29.6	23.0	34.6



Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

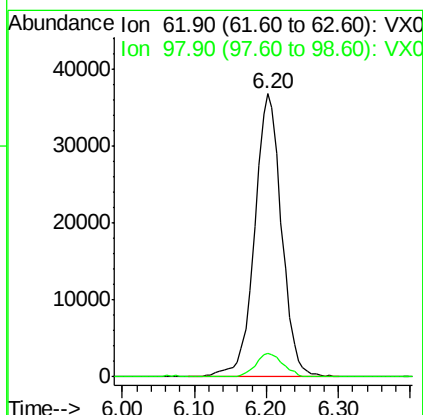
Manual Integrations
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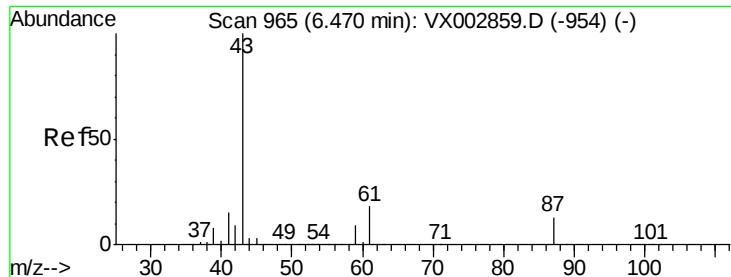
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.13 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	62	Resp	94860
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.74 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

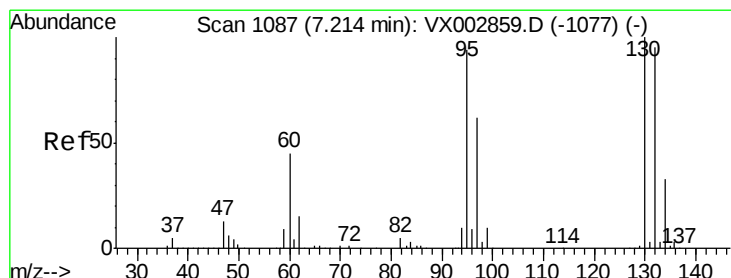
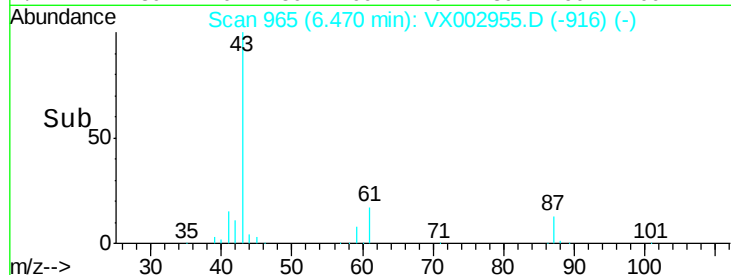
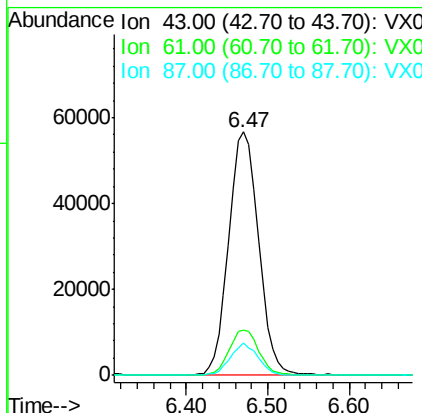
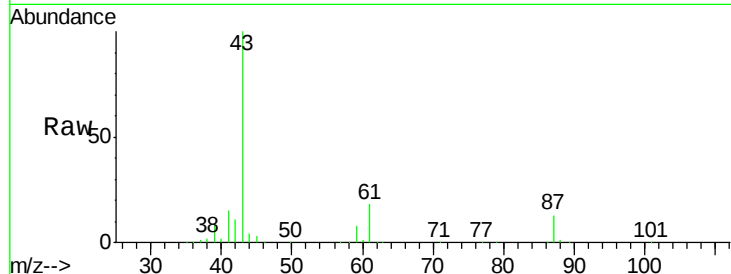
ClientSampleId :

VX0627WBSD02

Tot Ion:	43	Resp:	143140
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.4	9.5	14.3

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#44

Trichloroethene

Concen: 20.22 ug/l

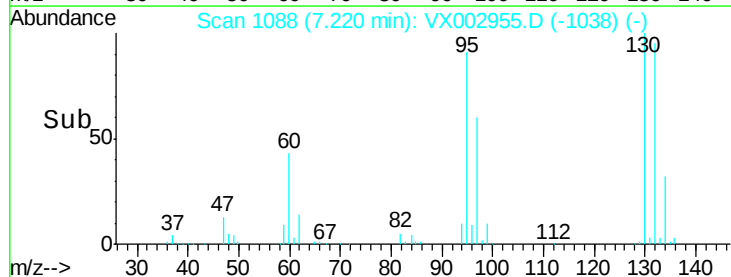
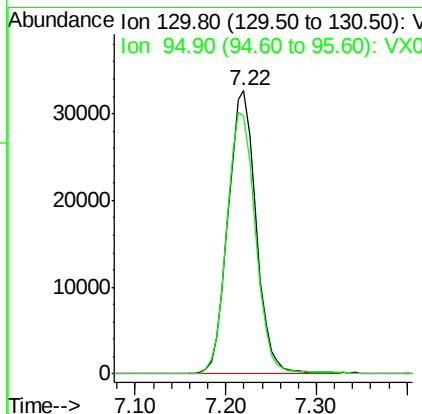
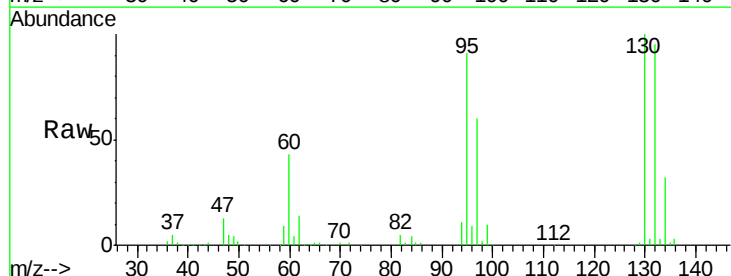
RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	130	Resp:	70331
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.46 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 63 Resp: 63310

Ion Ratio Lower Upper

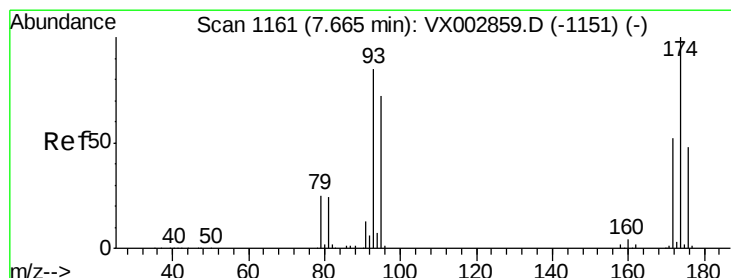
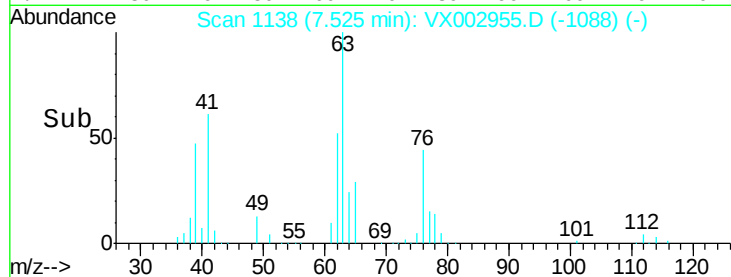
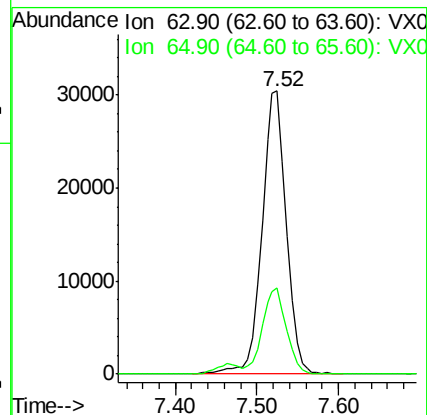
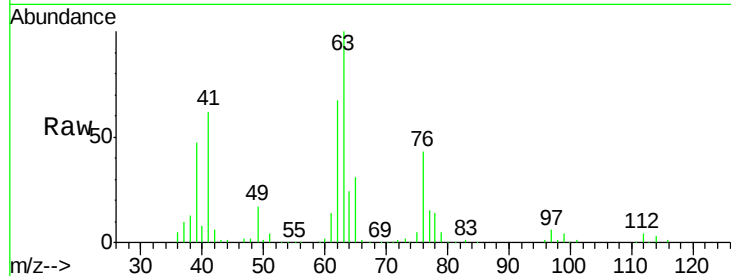
63 100

65 30.4 24.7 37.1

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#46

Dibromomethane

Concen: 20.20 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

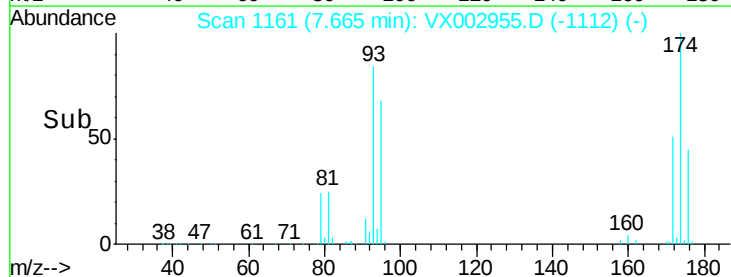
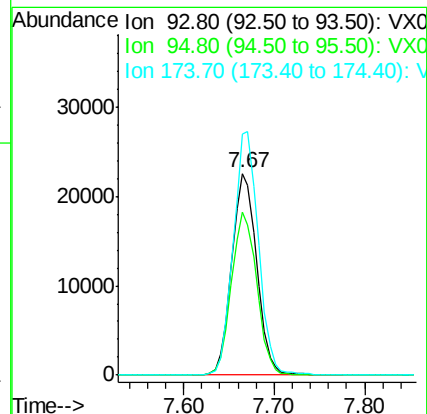
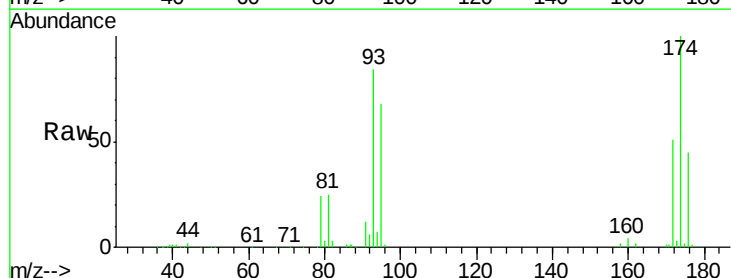
Tgt Ion: 93 Resp: 43388

Ion Ratio Lower Upper

93 100

95 81.5 65.9 98.9

174 121.1 92.4 138.6





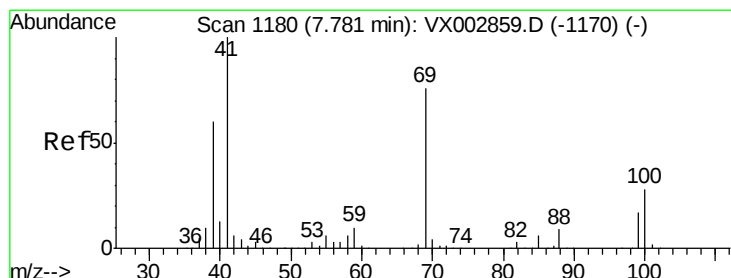
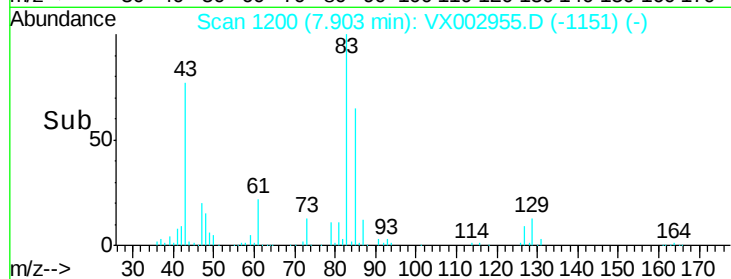
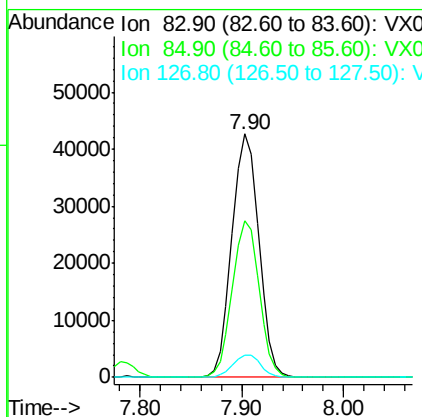
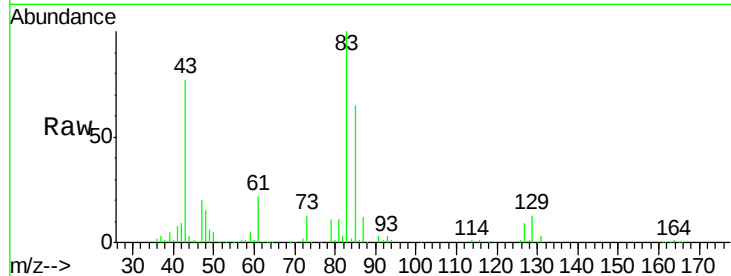
#47
Bromodichloromethane
Concen: 19.71 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	83	Resp	78246
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.3	75.5
127	9.0	7.0	10.4

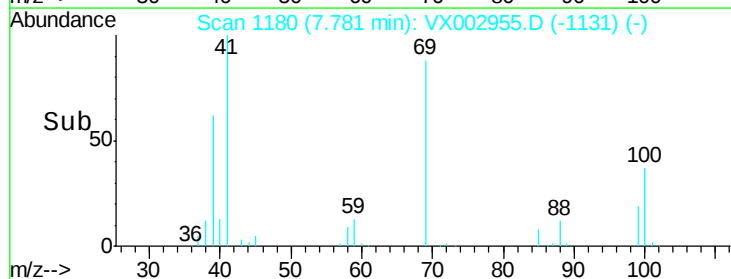
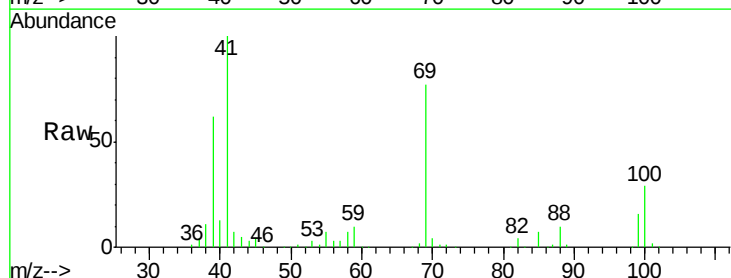
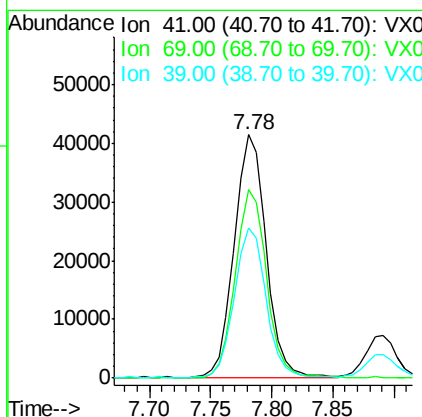
Manual Integrations
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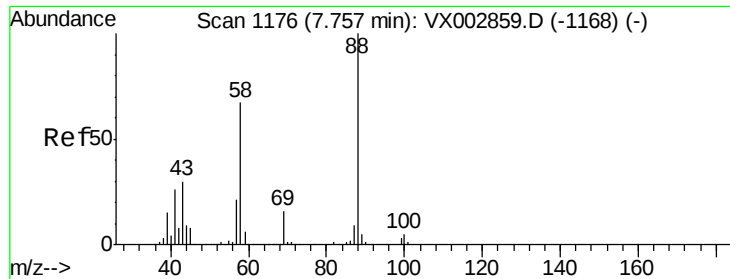
MMDadoda
6/28/2018 4:47:58 PM



#48
Methyl methacrylate
Concen: 19.90 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	41	Resp	74359
Ion Ratio	Lower	Upper	
41	100		
69	76.7	59.1	88.7
39	60.9	48.9	73.3





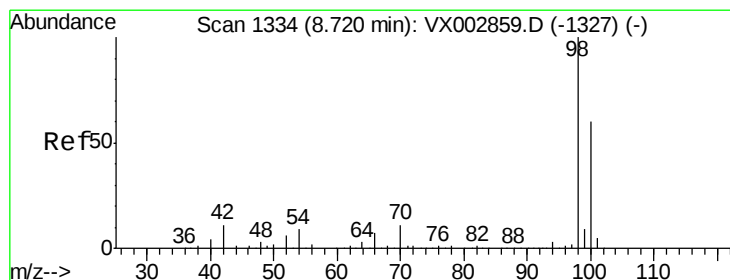
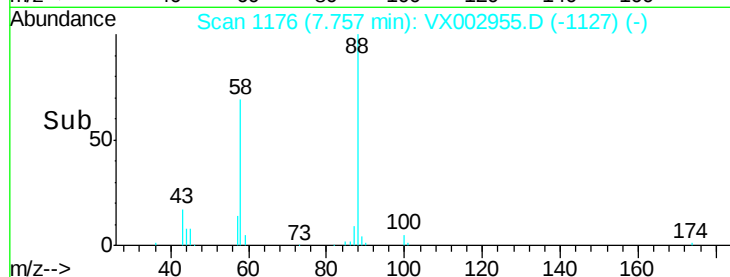
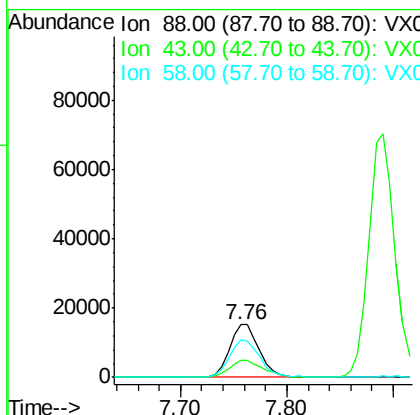
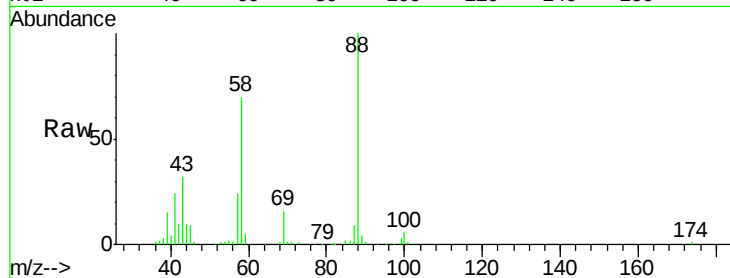
#49
1,4-Dioxane
Concen: 411.34 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.8	44.6
58	71.7	57.1	85.7

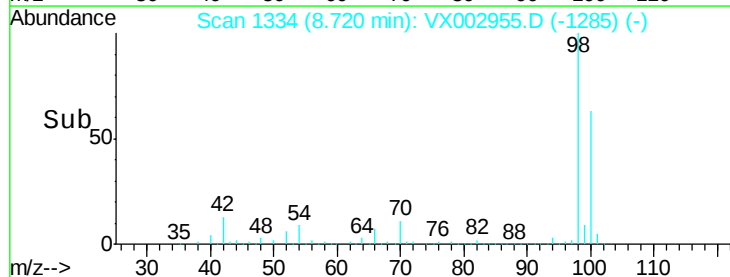
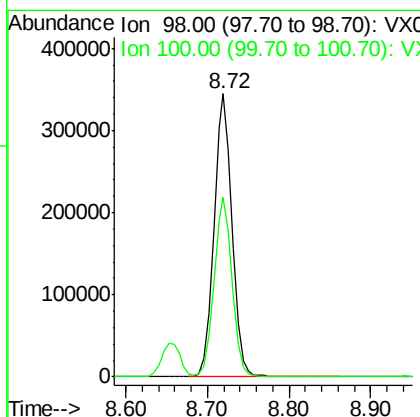
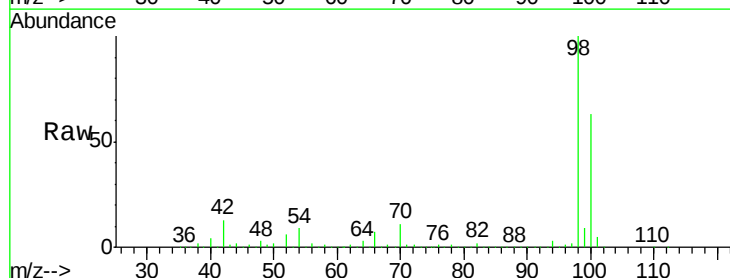
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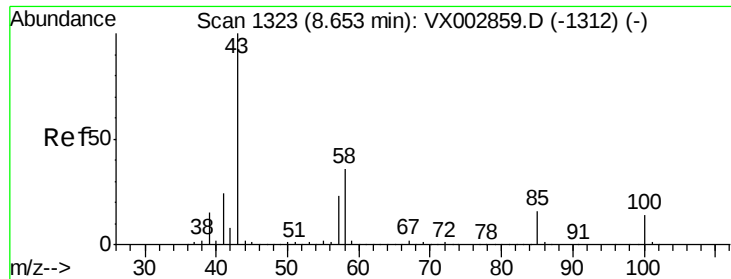
MMDadoda
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#50
Toluene-d8
Concen: 50.67 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 103.44 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampled :

VX0627WBSD02

Tot Ion: 43 Resp: 469232

Ion Ratio Lower Upper

43 100

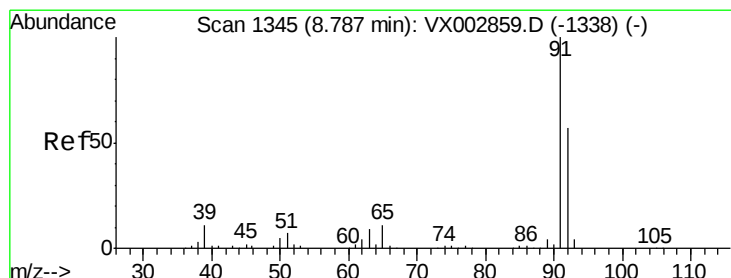
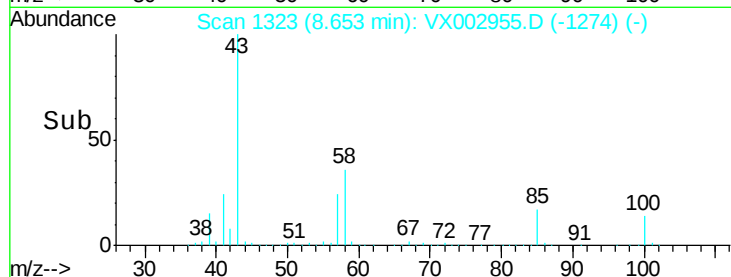
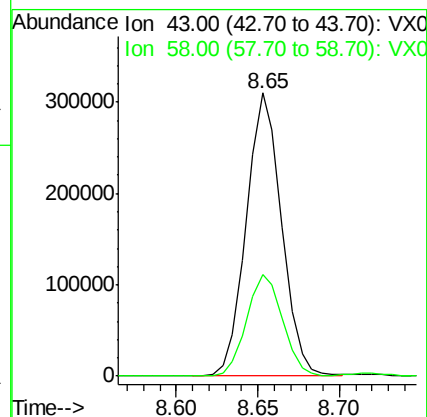
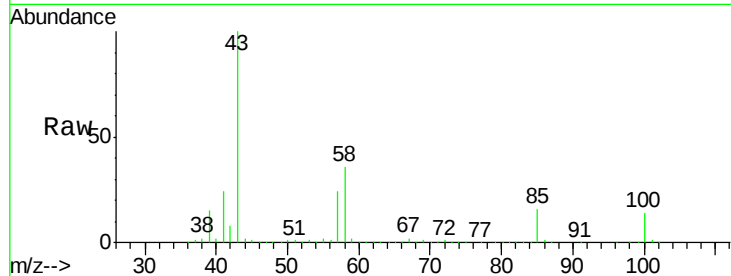
58 36.5 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 20.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002955.D

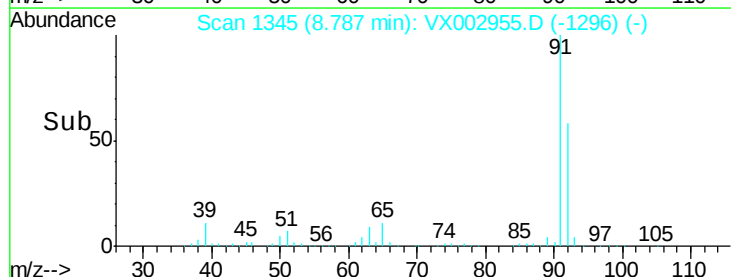
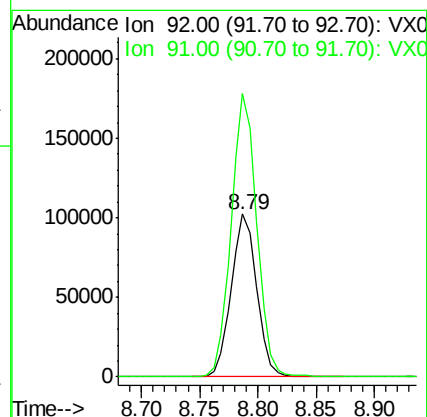
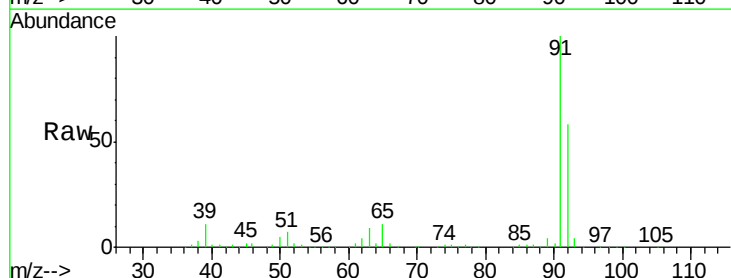
Acq: 28 Jun 2018 00:27

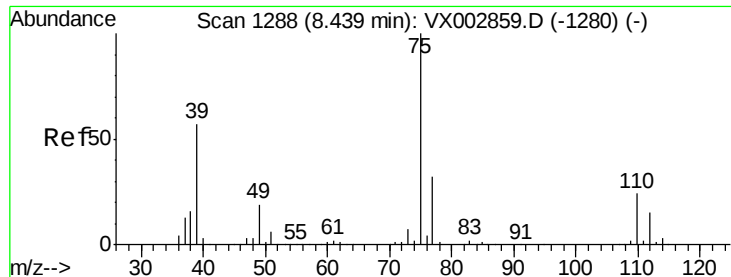
Tgt Ion: 92 Resp: 156477

Ion Ratio Lower Upper

92 100

91 173.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.50 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tot Ion: 75 Resp: 87684

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

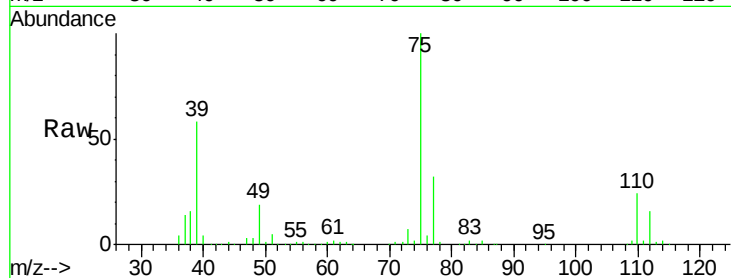
VX0627WBSD02

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

60000

50000

40000

30000

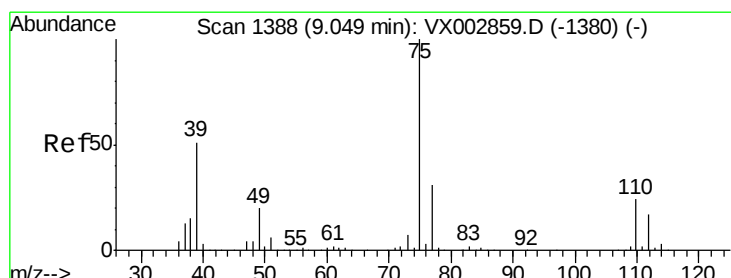
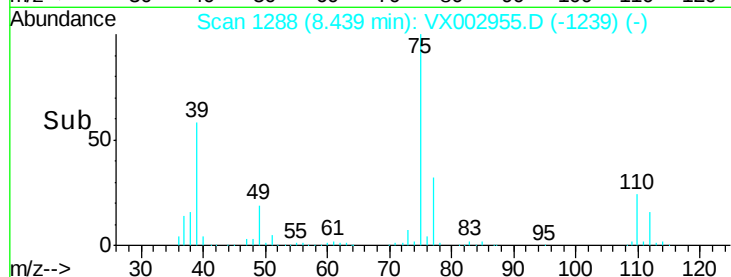
20000

10000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.49 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

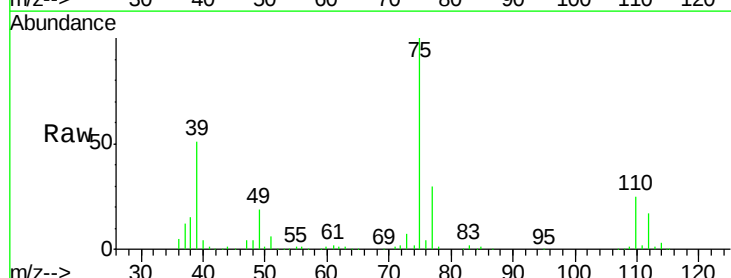
Tgt Ion: 75 Resp: 79983

Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 51.1 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

60000

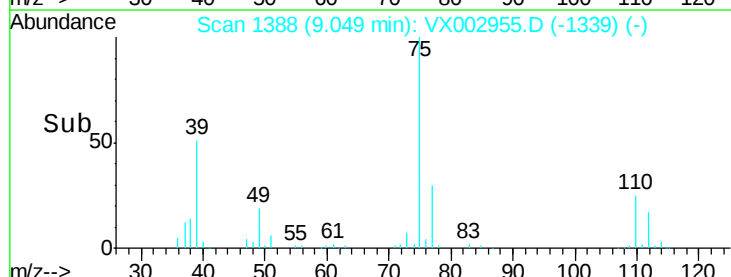
40000

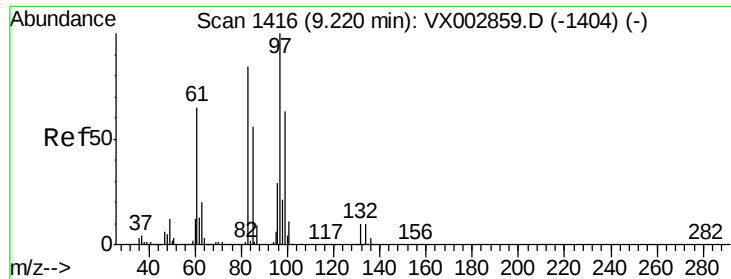
20000

0

8.95 9.00 9.05 9.10 9.15

Time-->





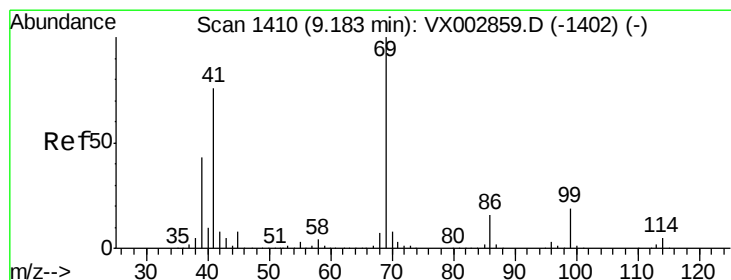
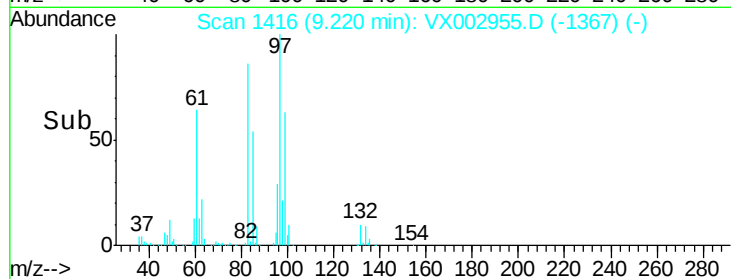
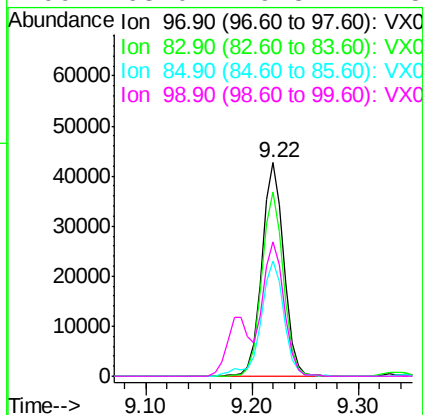
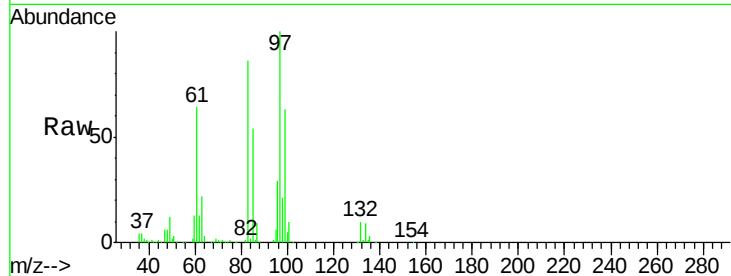
#55
 1,1,2-Trichloroethane
 Concen: 20.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Tot Ion:	97	Resp:	61800
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.2	105.2
85	54.0	44.9	67.3
99	63.0	49.8	74.8

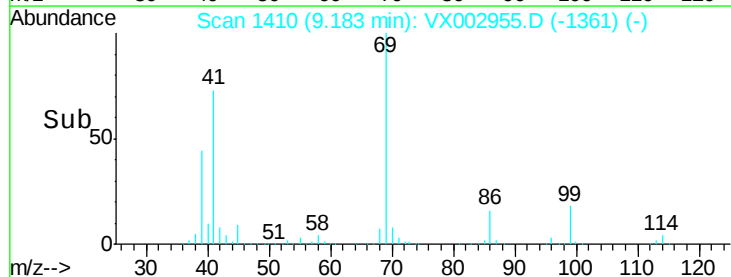
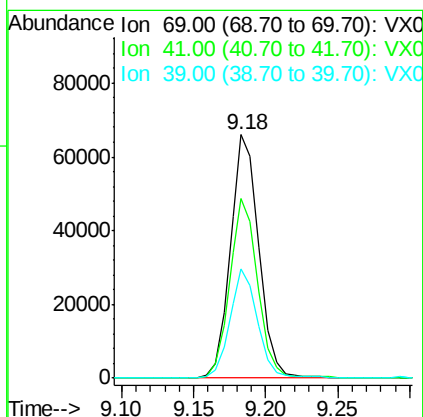
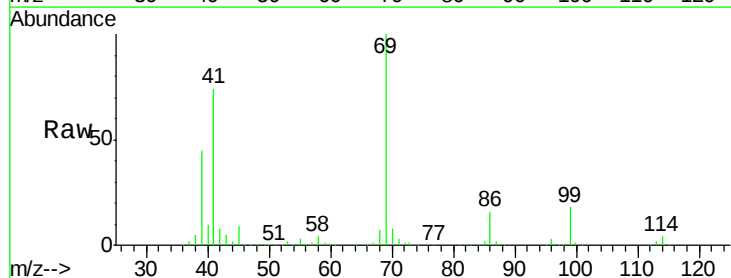
Manual Integrations
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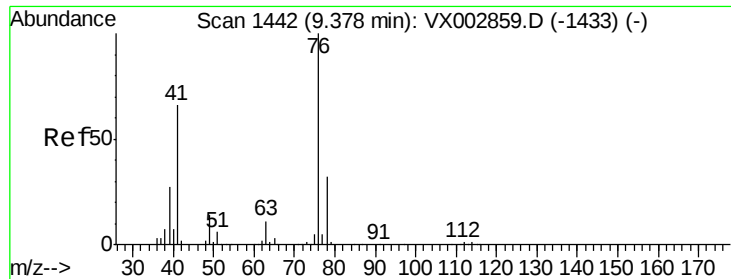
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 6/28/2018 4:47:58 PM



#56
 Ethyl methacrylate
 Concen: 20.24 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Tgt Ion:	69	Resp:	90864
Ion	Ratio	Lower	Upper
69	100		
41	72.0	60.3	90.5
39	43.5	35.8	53.8





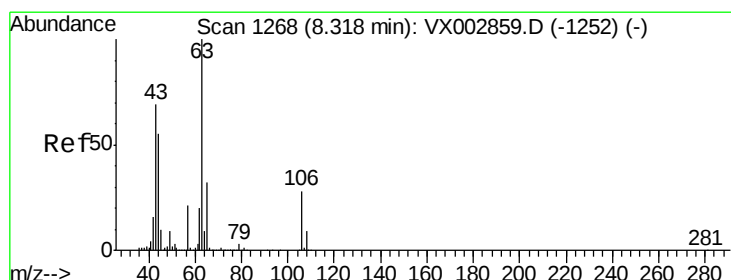
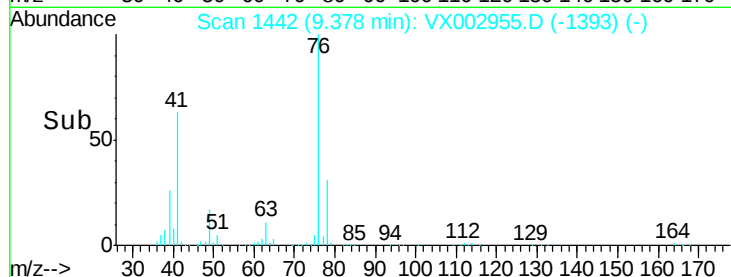
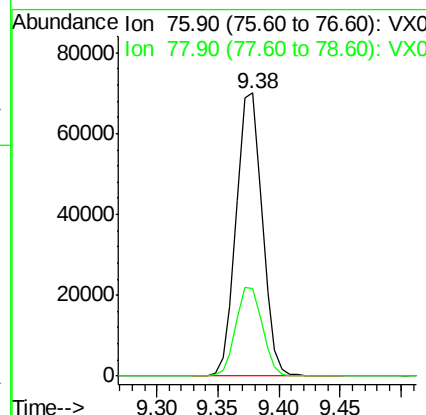
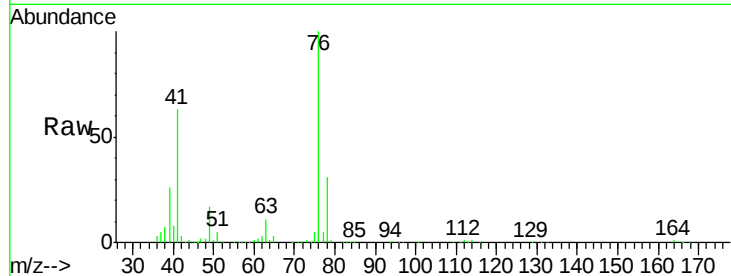
#57
 1,3-Dichloropropane
 Concen: 20.40 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

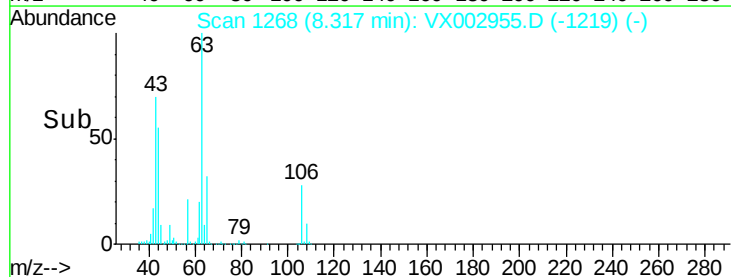
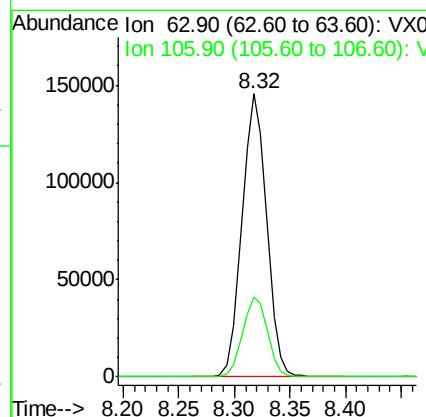
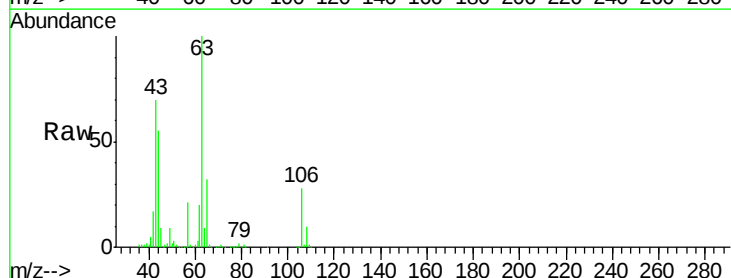
Manual Integrations
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 6/28/2018 4:47:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.84 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.8	32.8





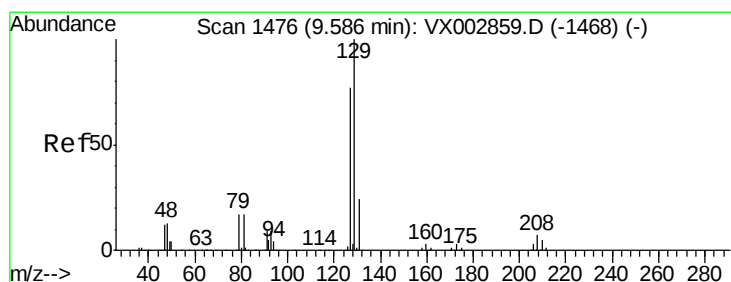
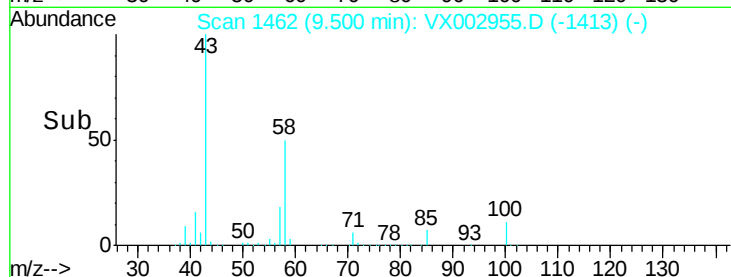
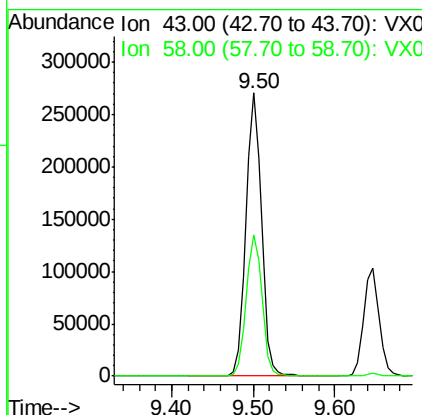
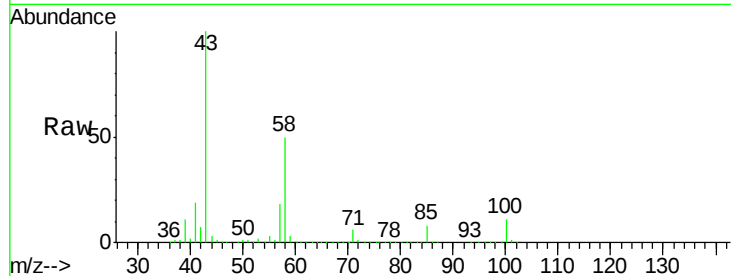
#59
2-Hexanone
Concen: 103.49 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	24.6	73.6

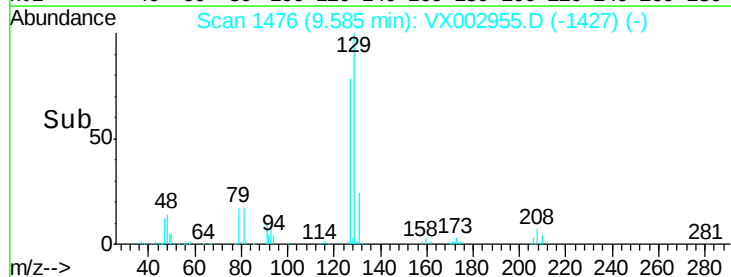
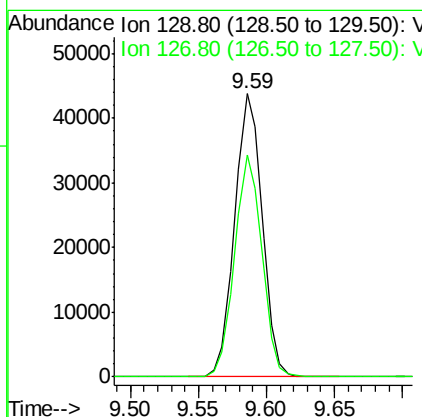
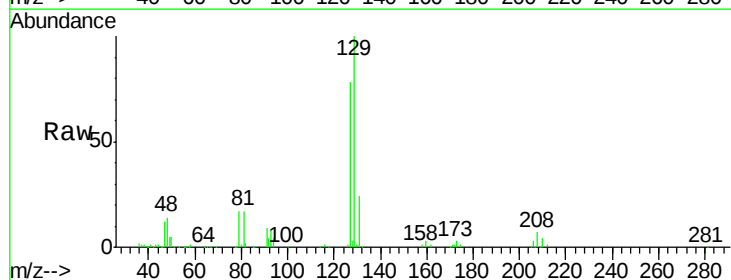
Manual Integrations
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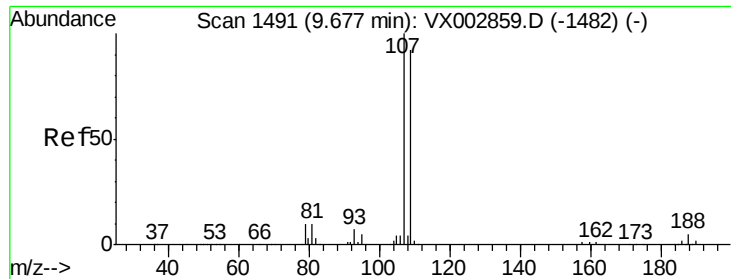
MMDadoda
6/28/2018 4:47:58 PM



#60
Dibromochloromethane
Concen: 19.17 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.3





#61

1,2-Dibromoethane

Concen: 20.42 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion:107 Resp: 65795

Ion Ratio Lower Upper

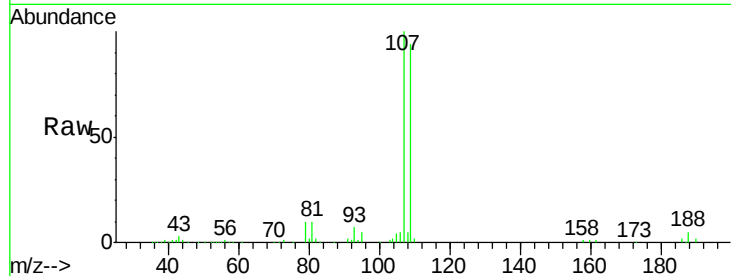
107 100

109 93.0 75.3 112.9

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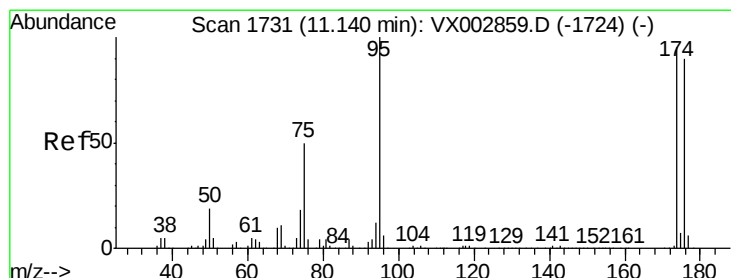
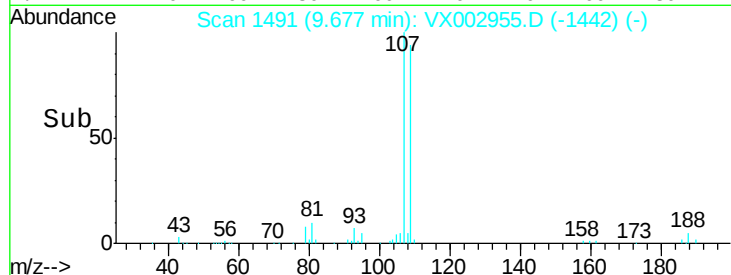
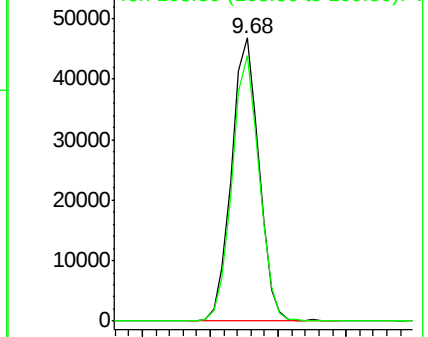
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

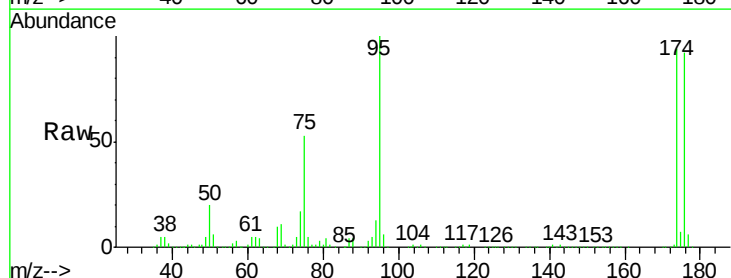
Tgt Ion: 95 Resp: 200528

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

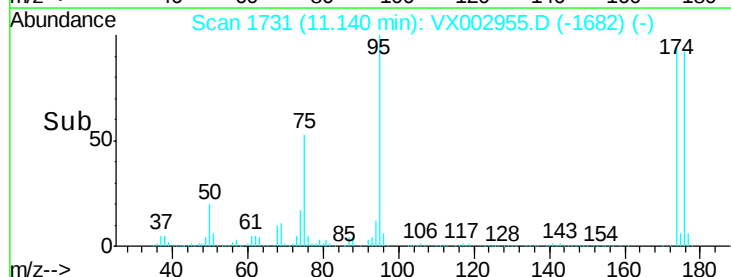
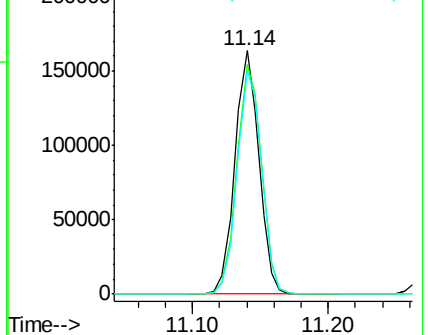
176 93.8 0.0 181.0

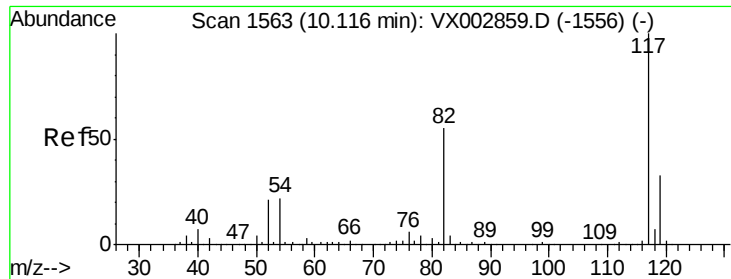


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





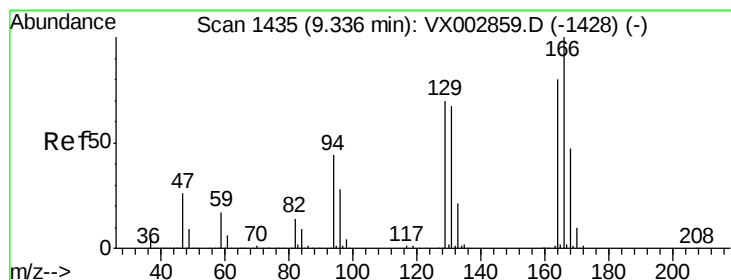
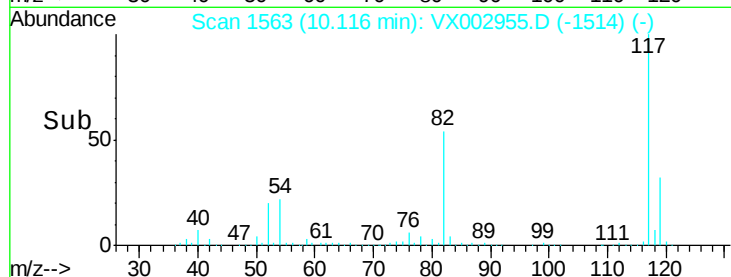
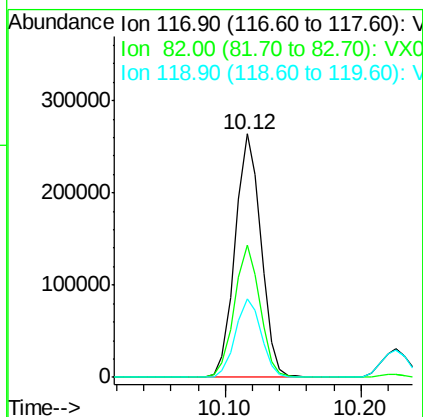
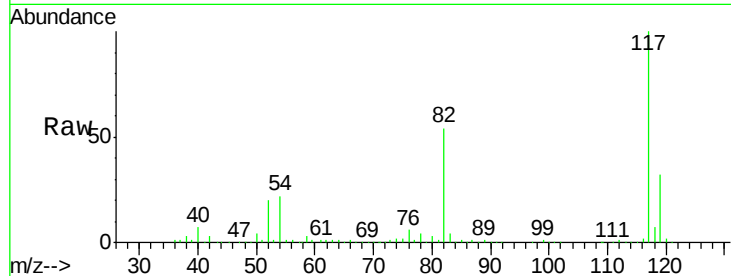
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.4
119	32.3	25.8	38.6

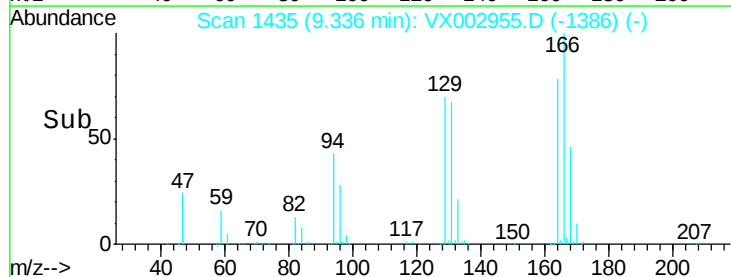
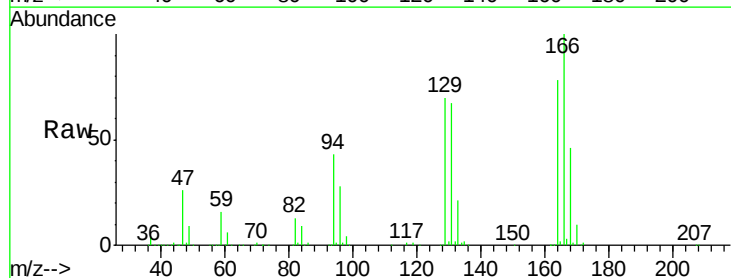
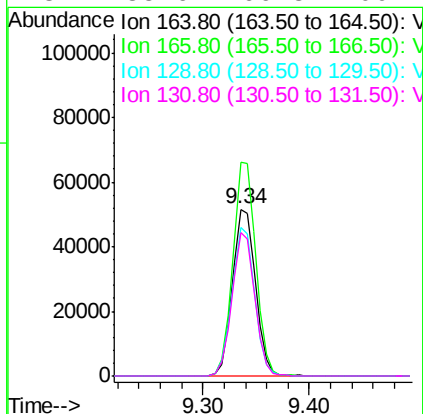
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#64
Tetrachloroethene
Concen: 20.22 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.9	154.3
129	89.4	68.6	102.8
131	85.6	66.8	100.2





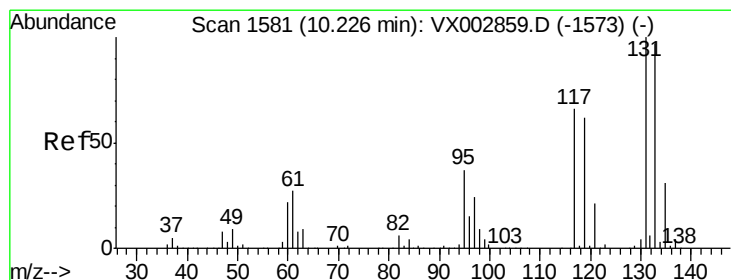
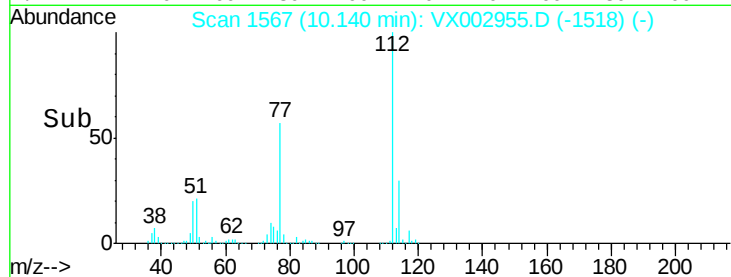
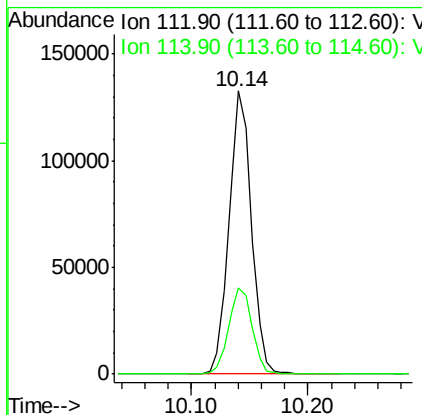
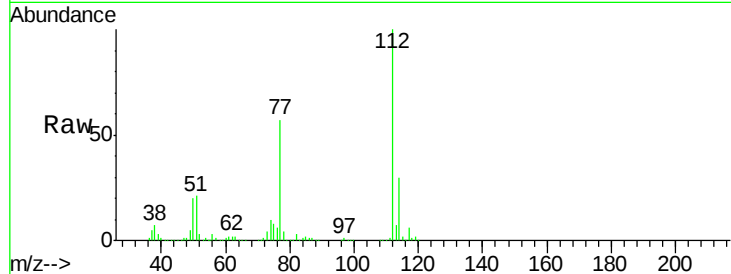
#65
Chlorobenzene
Concen: 20.01 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.3	37.9

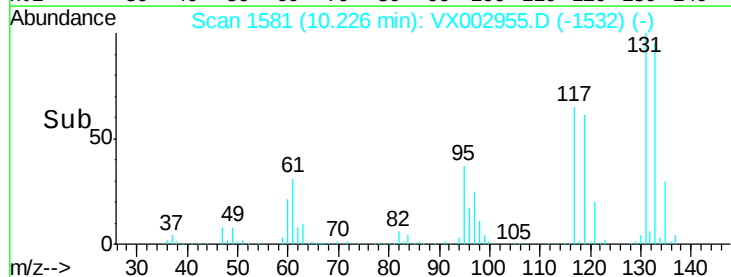
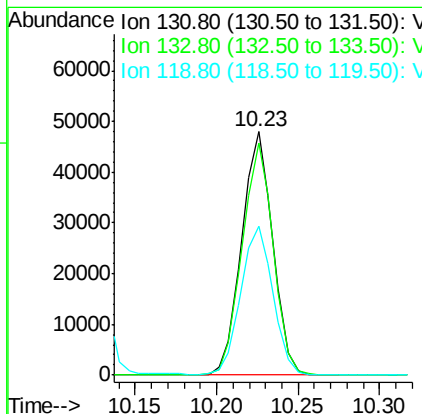
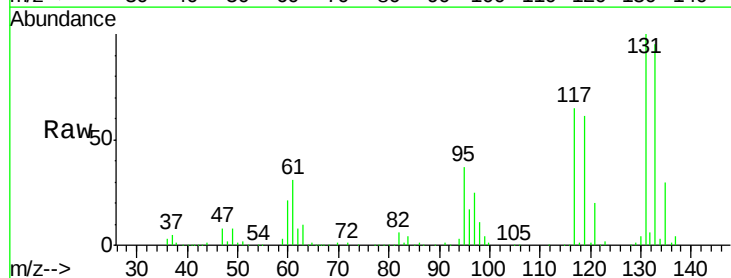
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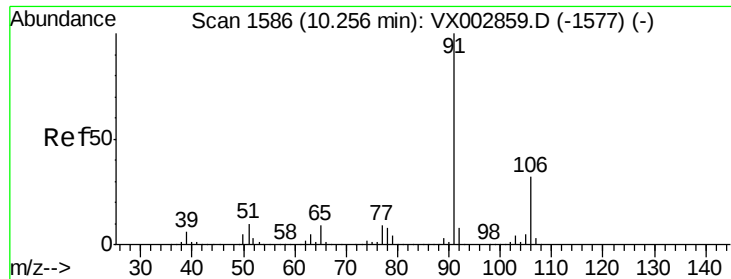
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.6
119	63.2	31.8	95.3





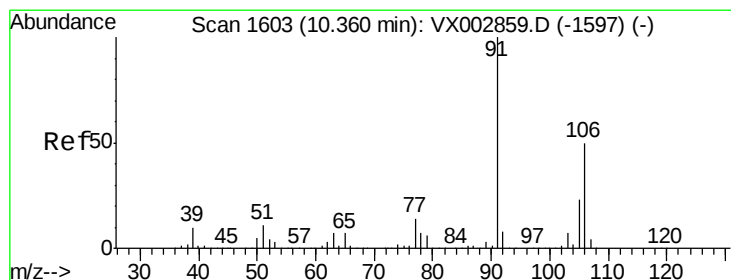
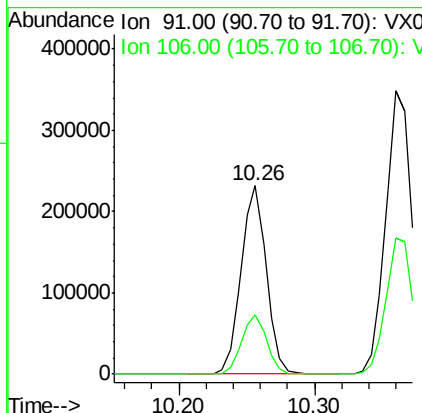
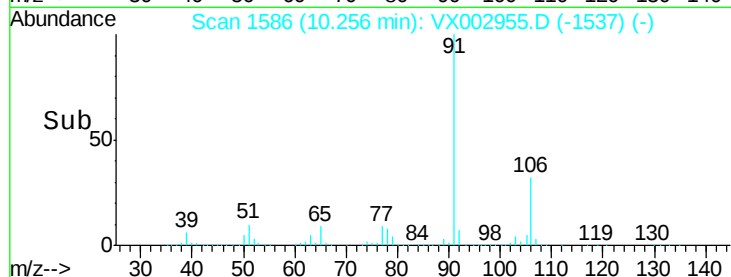
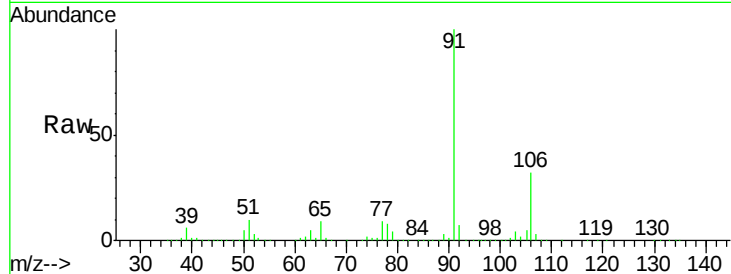
#67
Ethyl Benzene
Concen: 20.37 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion: 91 Resp: 299274
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

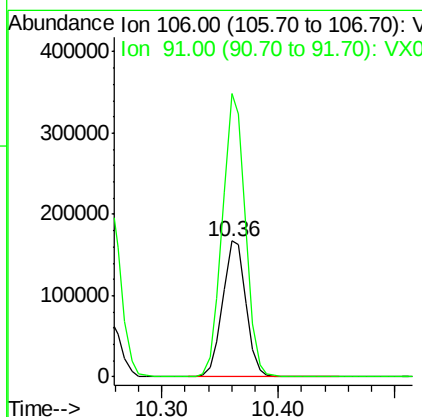
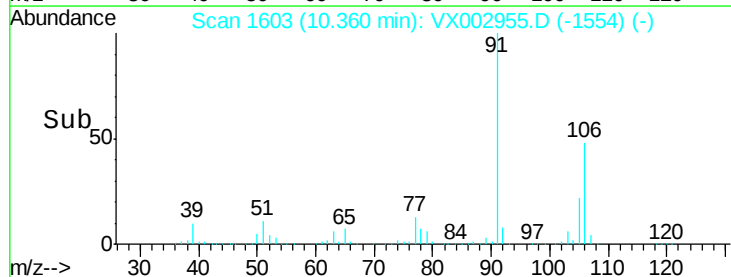
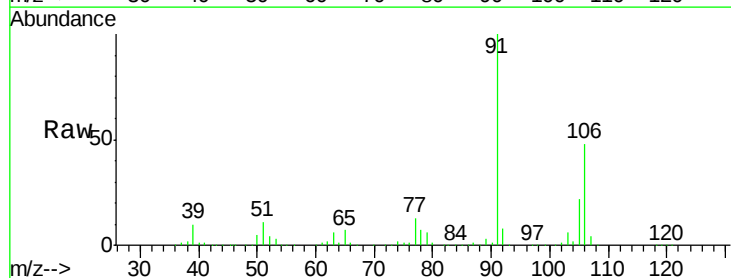
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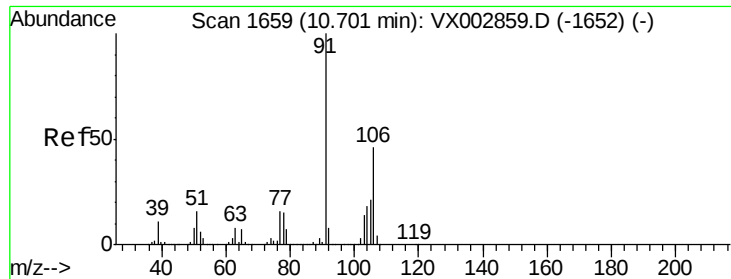
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#68
m/p-Xylenes
Concen: 40.78 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion: 106 Resp: 230847
Ion Ratio Lower Upper
106 100
91 205.0 163.4 245.2





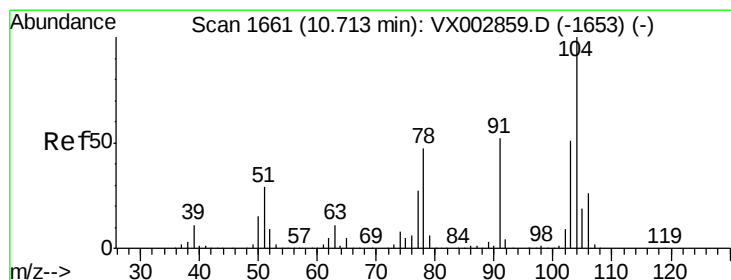
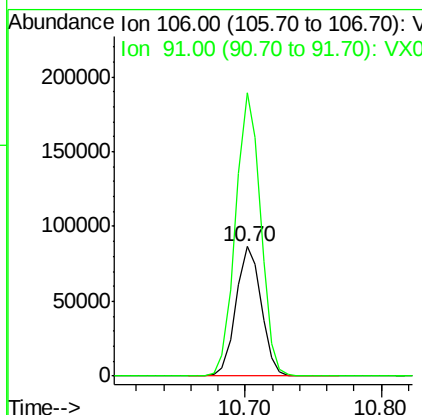
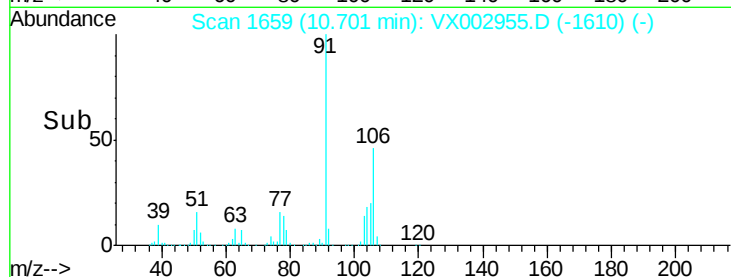
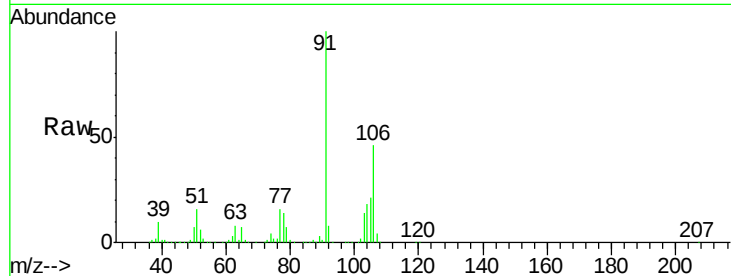
#69
o-Xylene
Concen: 20.32 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion:106 Resp: 112015
Ion Ratio Lower Upper
106 100
91 217.0 108.2 324.6

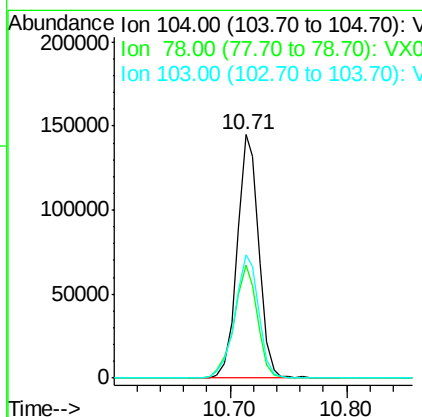
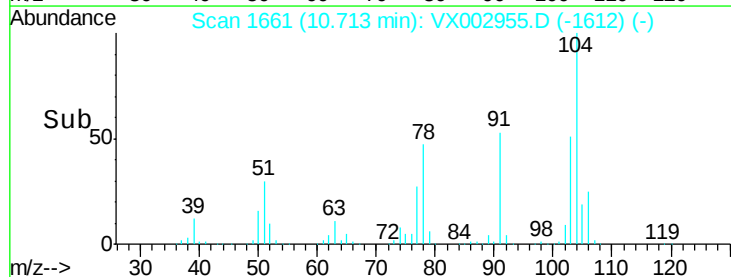
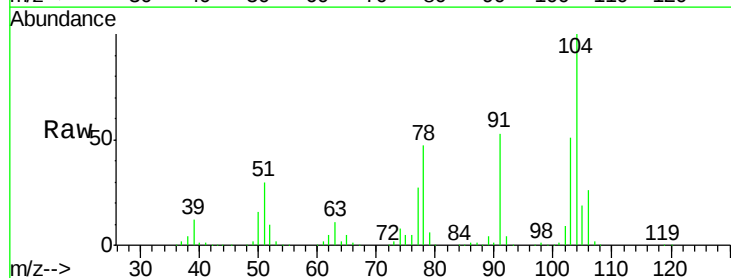
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#70
Styrene
Concen: 20.84 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion:104 Resp: 186648
Ion Ratio Lower Upper
104 100
78 50.3 41.0 61.6
103 56.0 44.2 66.4





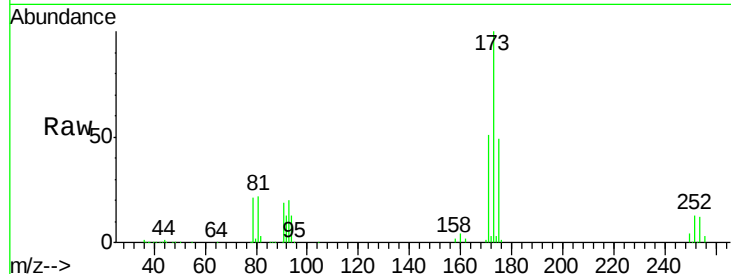
#71
Bromoform
Concen: 19.05 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

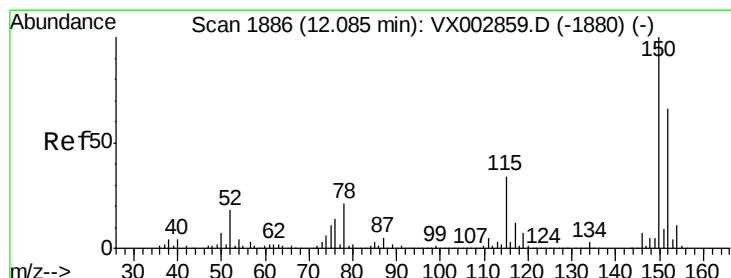
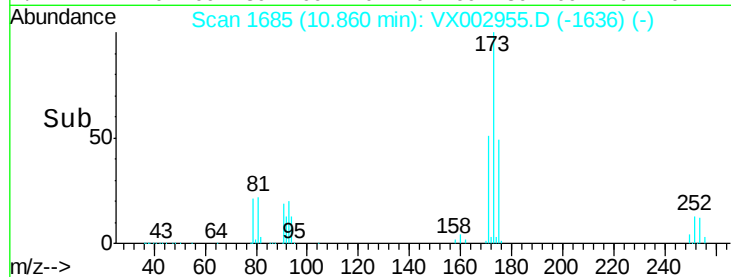
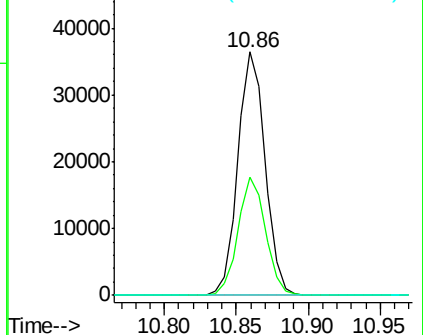
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.2	0.2

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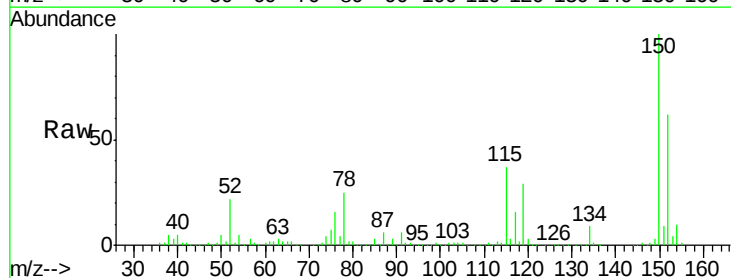


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

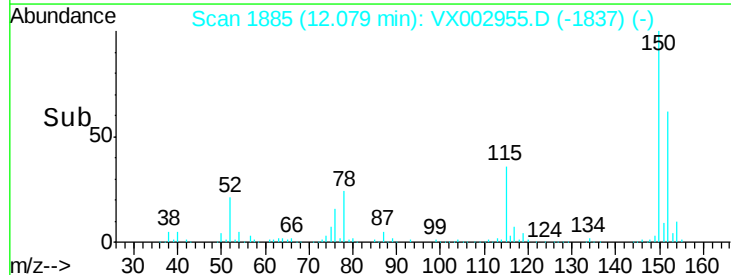
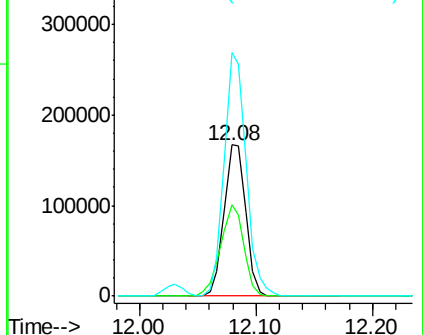


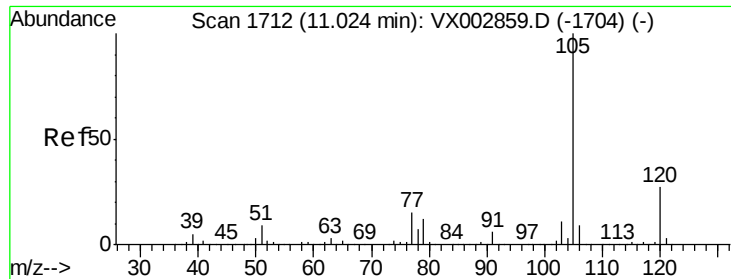
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	40.1	120.2
150	163.7	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





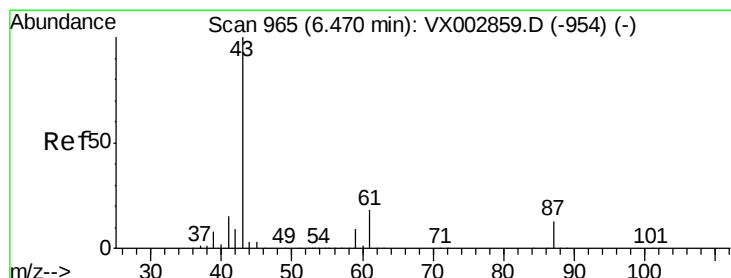
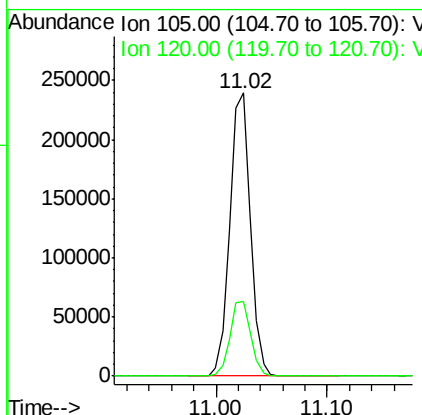
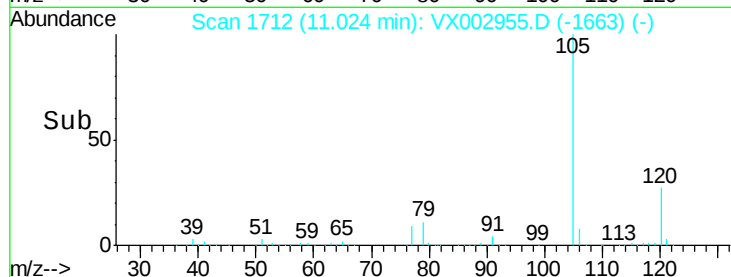
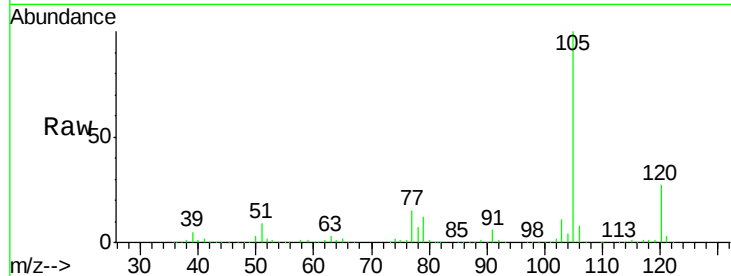
#73
Isopropylbenzene
Concen: 21.05 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion:105 Resp: 304944
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

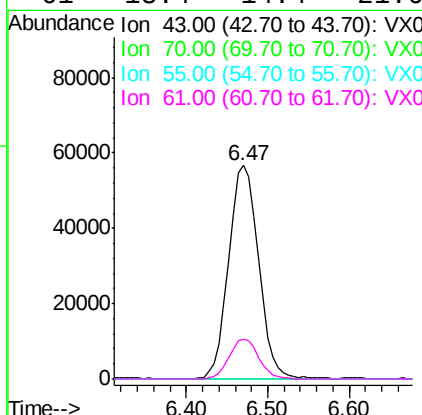
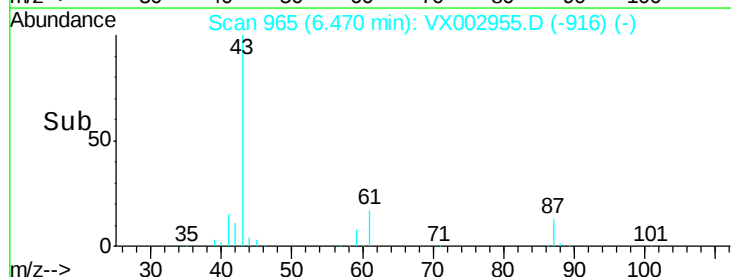
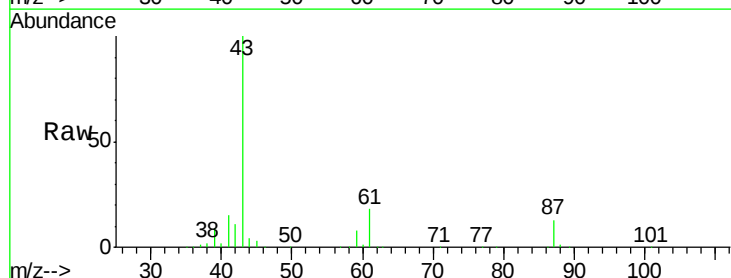
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#74
N-ethyl acetate
Concen: 20.19 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion: 43 Resp: 143140
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.0 0.0#
61 18.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.74 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

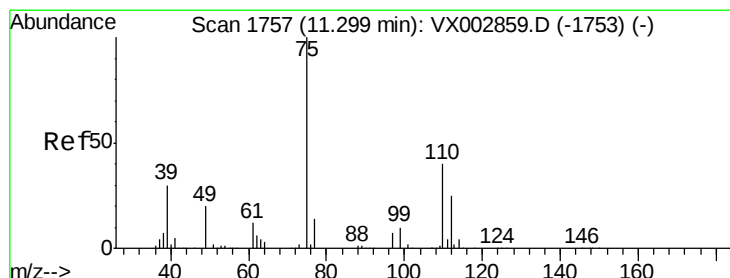
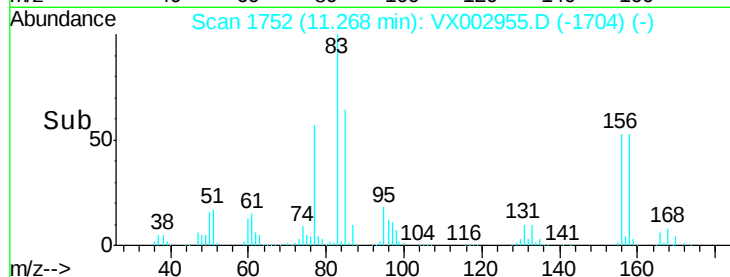
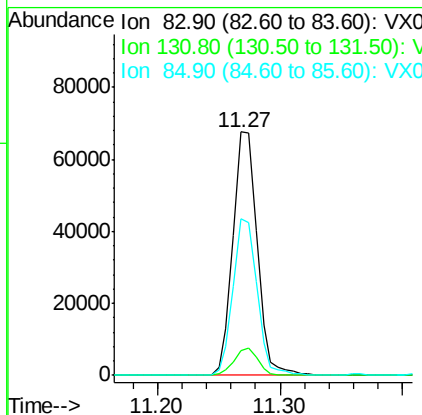
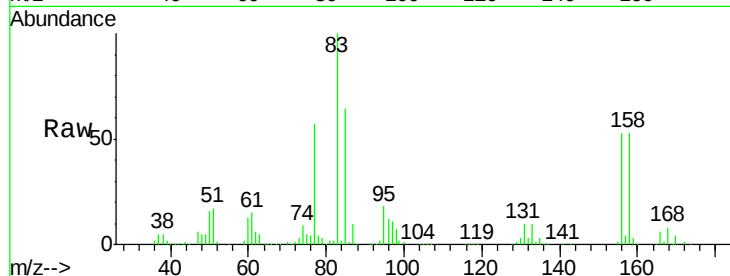
ClientSampleId :

VX0627WBSD02

Tot Ion:	83	Resp:	92536
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.0	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.89 ug/l m

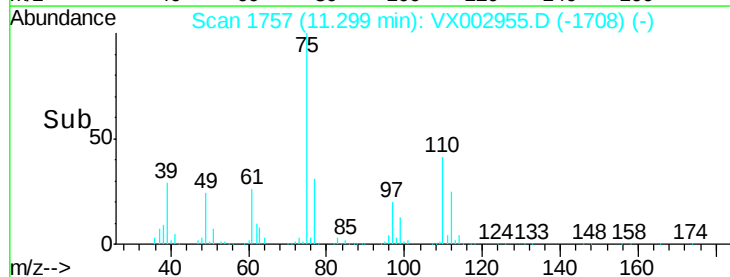
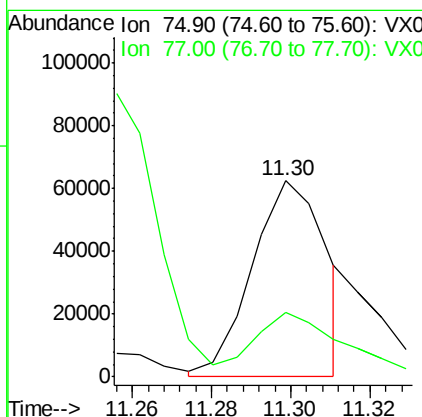
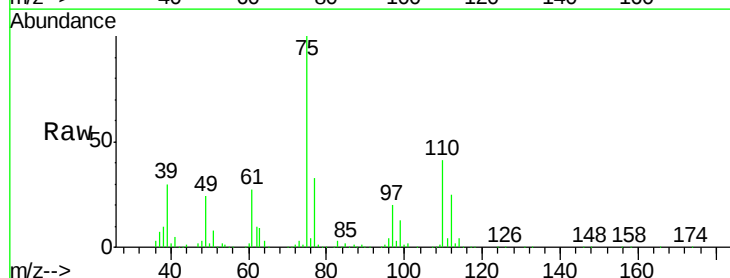
RT: 11.30 min Scan# 1757

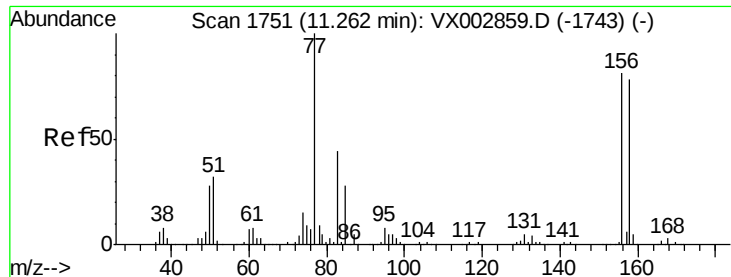
Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	75	Resp:	81485
Ion Ratio	Lower	Upper	
75	100		
77	40.5	22.8	68.3





#77

Bromobenzene

Concen: 20.61 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion:156 Resp: 85032

Ion Ratio Lower Upper

156 100

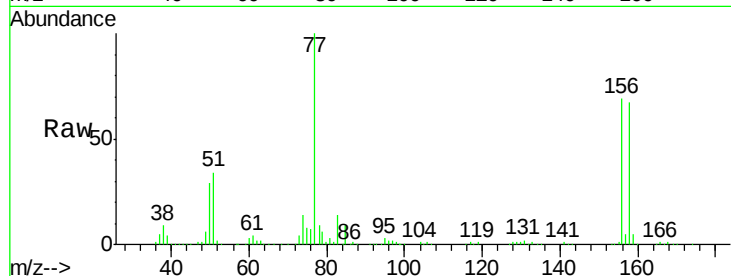
77 137.3 71.4 214.2

158 97.7 48.9 146.6

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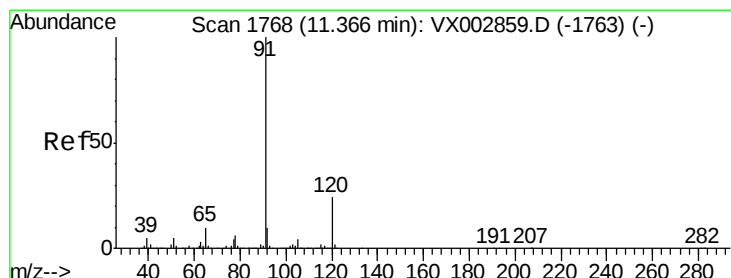
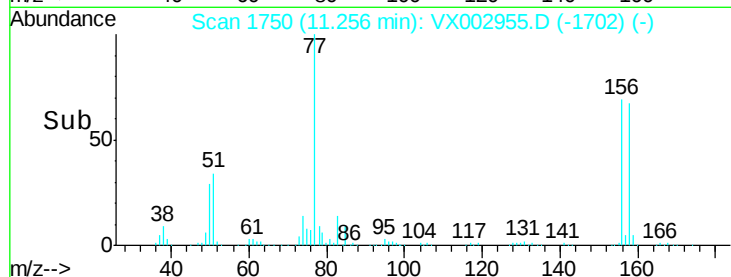
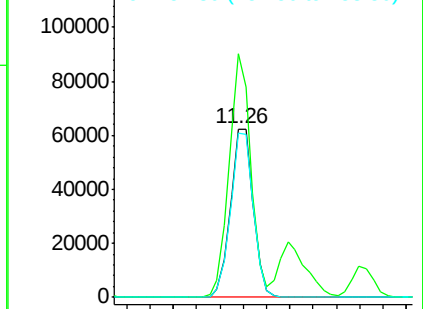
6/28/2018 4:47:58 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.88 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002955.D

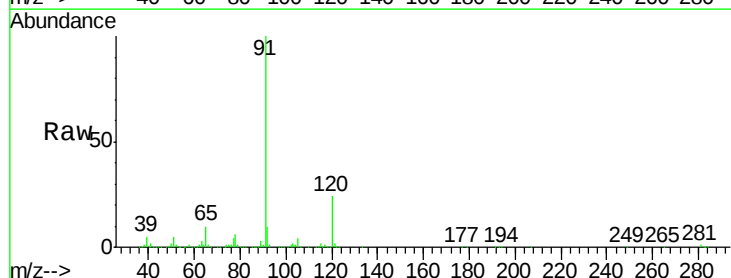
Acq: 28 Jun 2018 00:27

Tgt Ion: 91 Resp: 344304

Ion Ratio Lower Upper

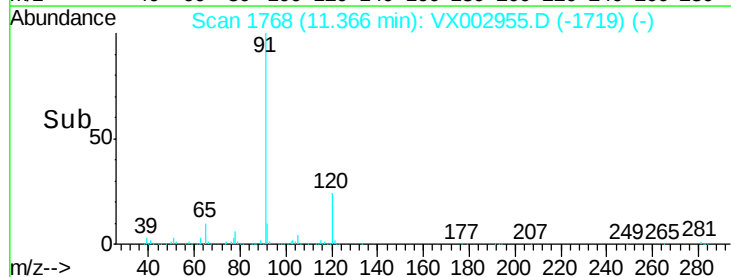
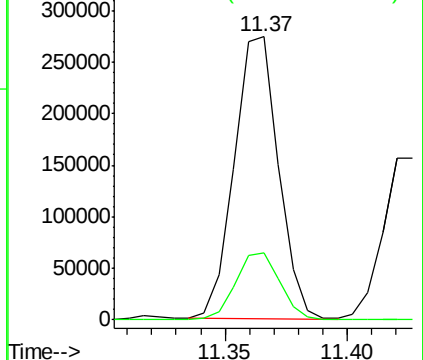
91 100

120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.72 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion: 91 Resp: 206908

Ion Ratio Lower Upper

91 100

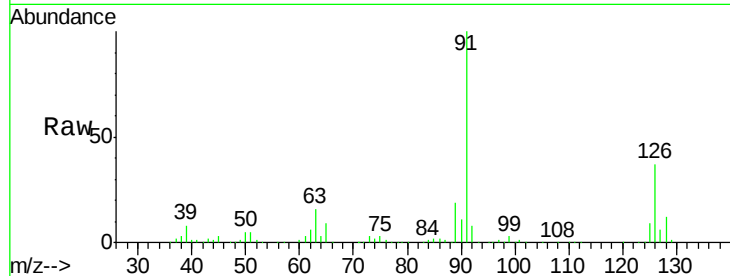
126 35.7 17.7 53.1

Manual Integrations

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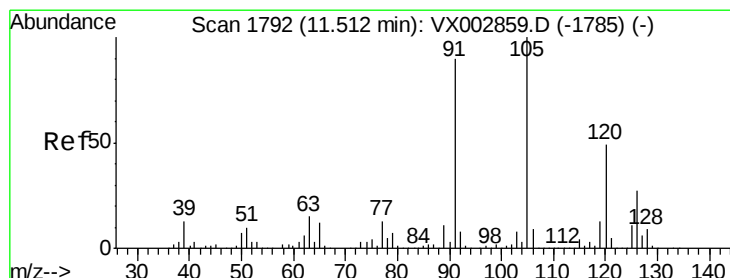
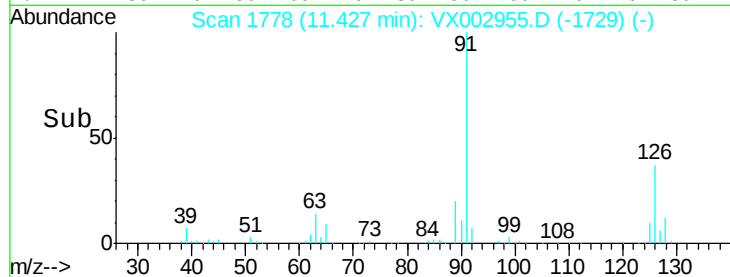
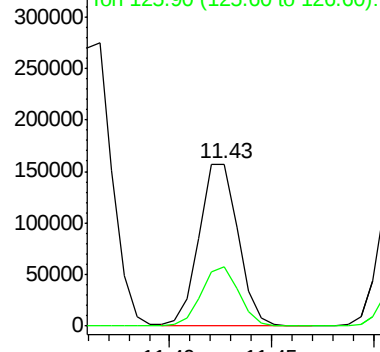
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.17 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002955.D

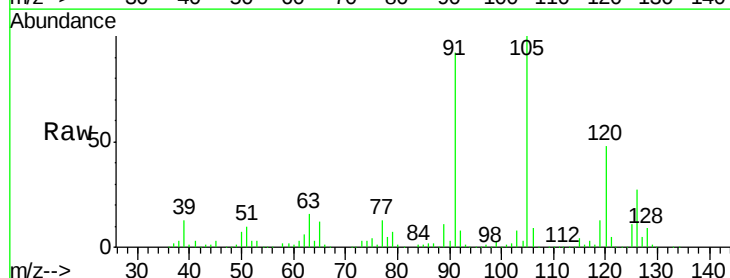
Acq: 28 Jun 2018 00:27

Tgt Ion: 105 Resp: 258336

Ion Ratio Lower Upper

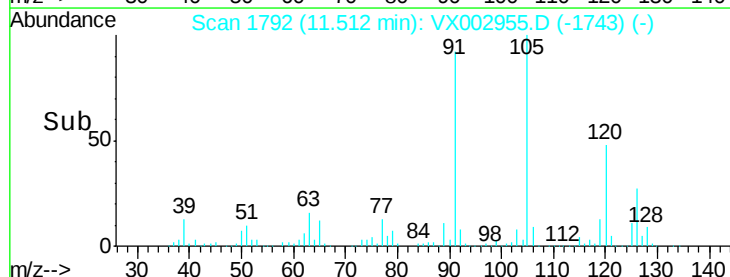
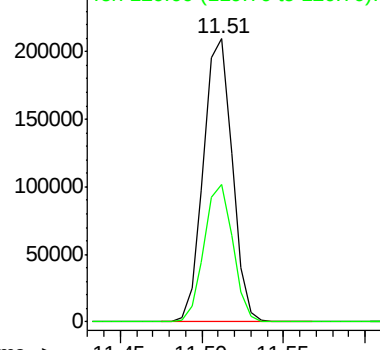
105 100

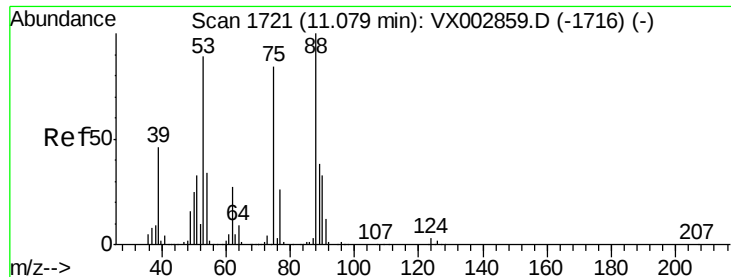
120 48.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





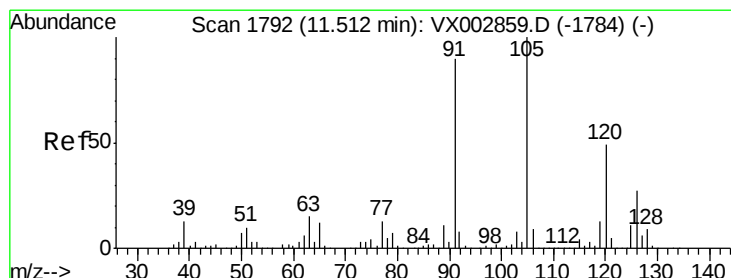
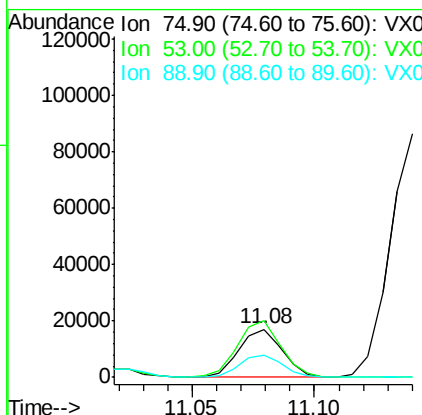
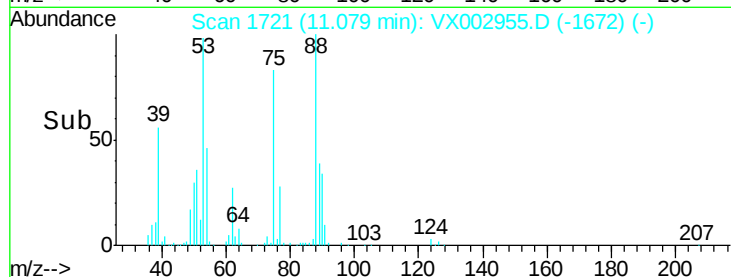
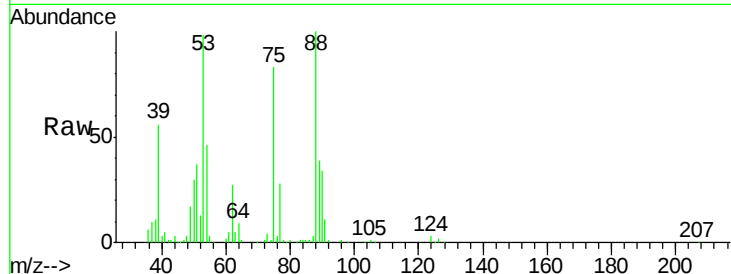
#81
trans-1,4-Dichloro-2-butene
Concen: 18.00 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.6	86.8	130.2
89	47.1	38.2	57.2

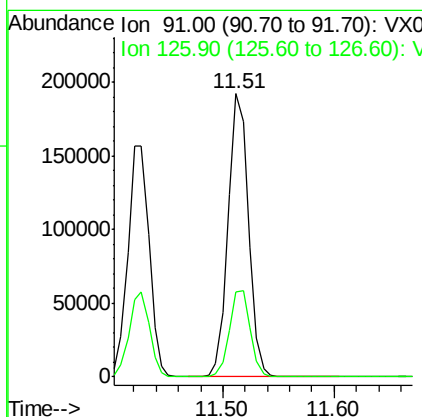
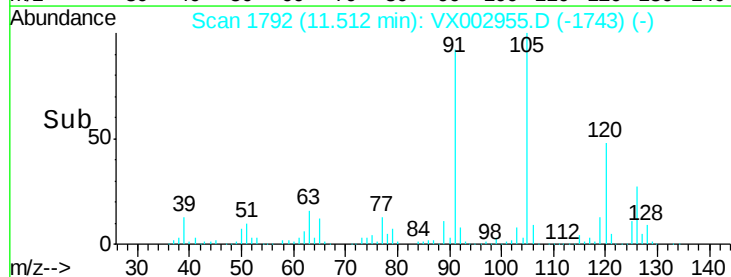
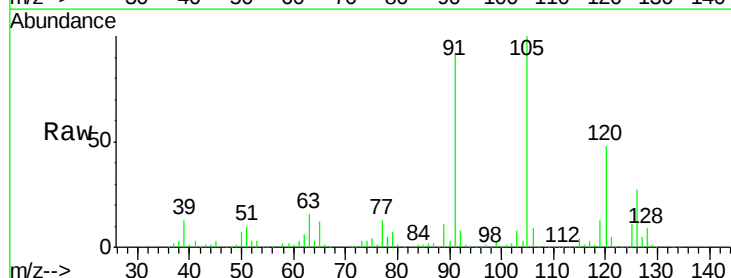
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.57 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4





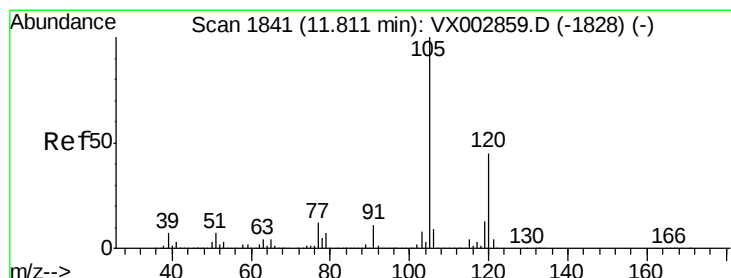
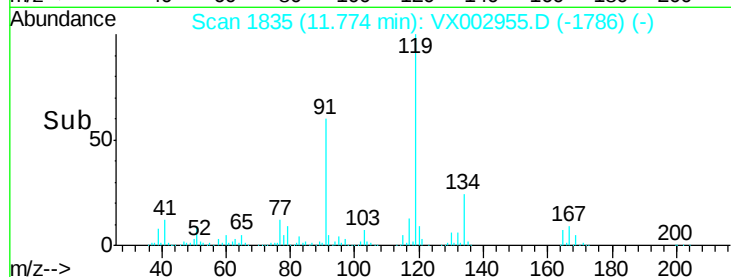
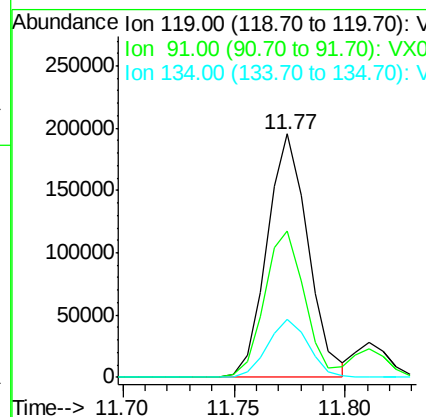
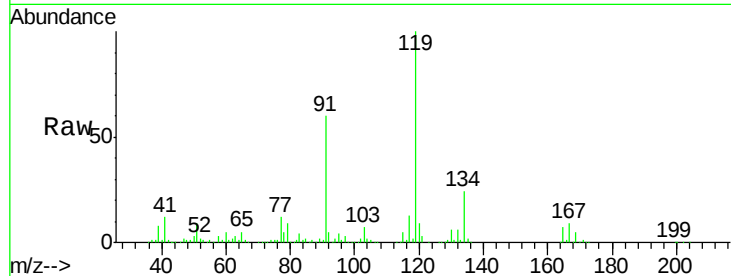
#83
tert-Butylbenzene
Concen: 20.80 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.3	90.9
134	23.5	11.7	35.1

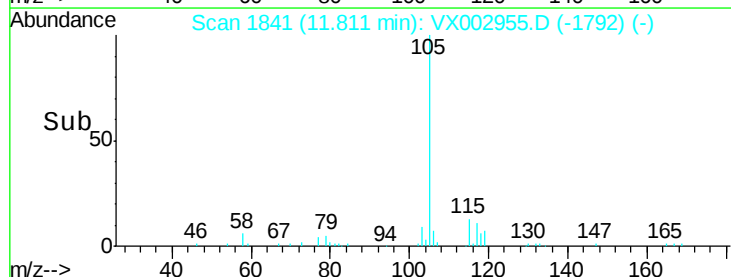
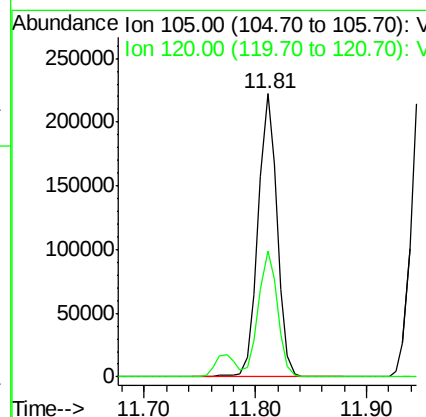
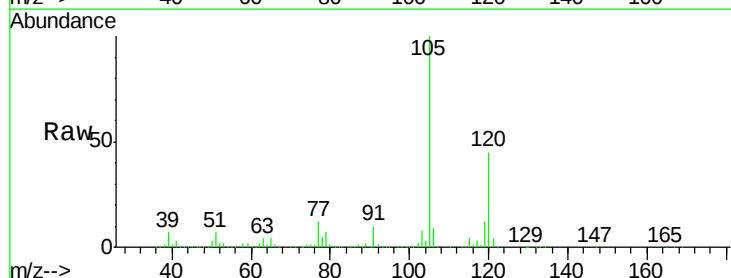
Manual Integrations
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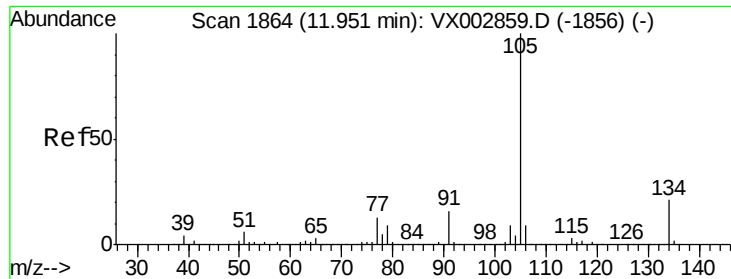
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#84
1,2,4-Trimethylbenzene
Concen: 20.96 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.8





#85

sec-Butylbenzene

Concen: 20.89 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD02

Tot Ion:105 Resp: 304727

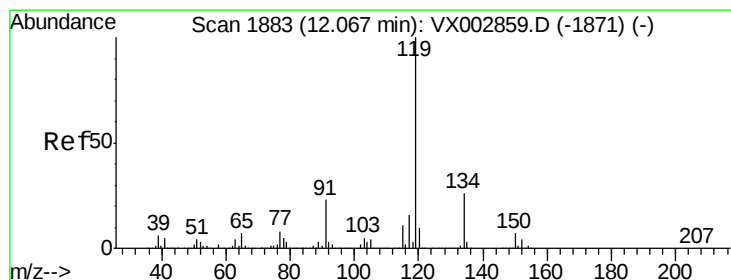
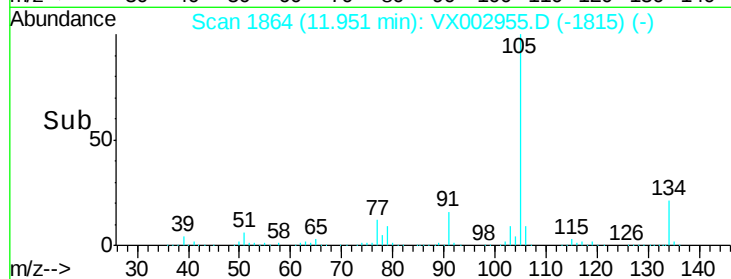
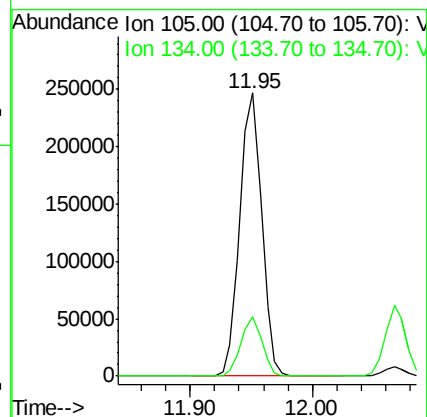
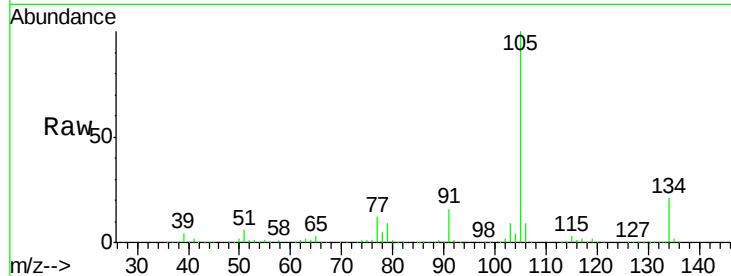
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.77 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

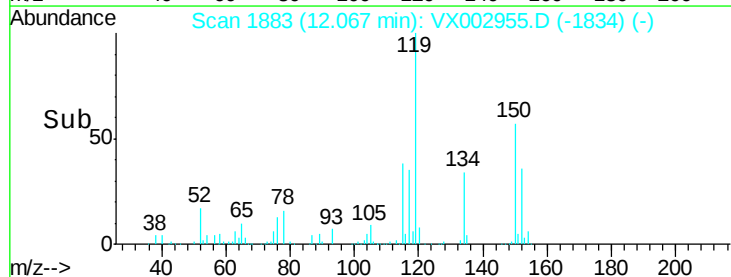
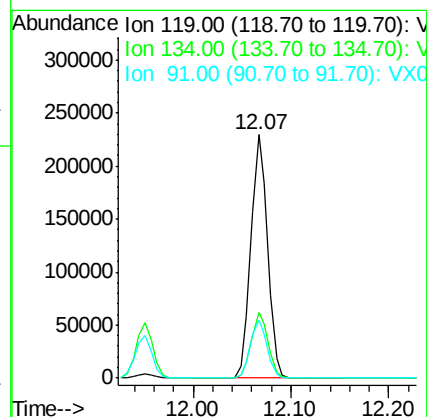
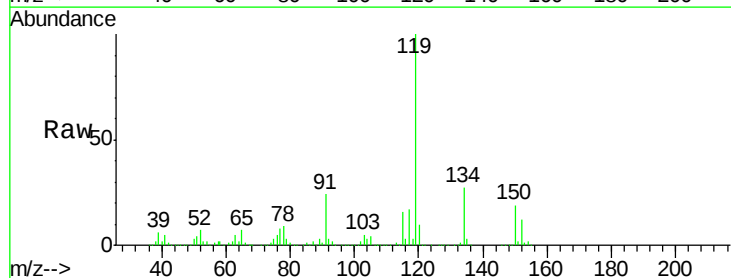
Tgt Ion:119 Resp: 272399

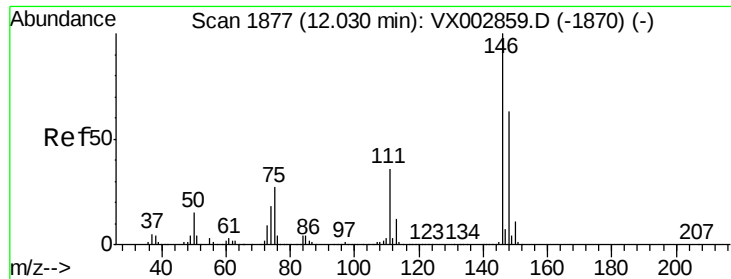
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.8 11.9 35.7





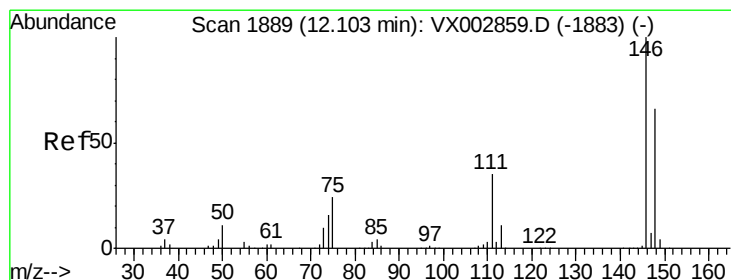
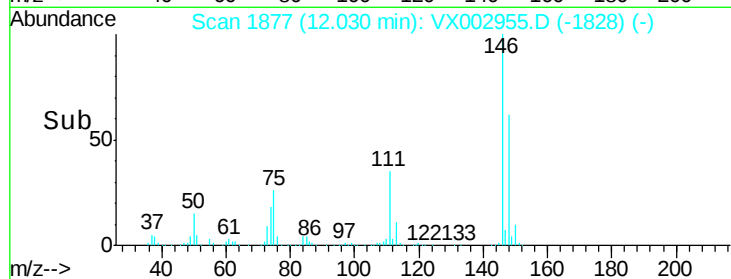
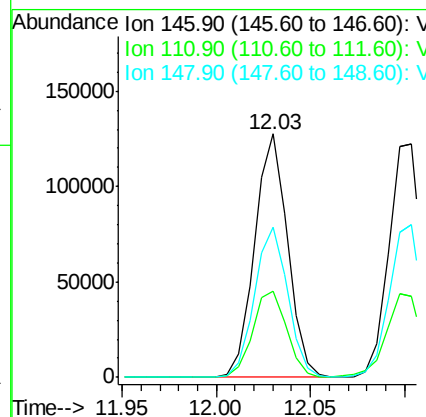
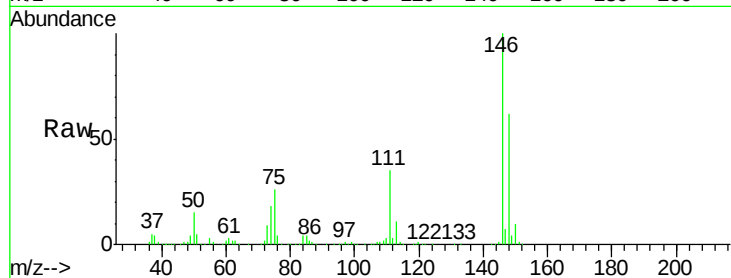
#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	62.2	32.1	96.3

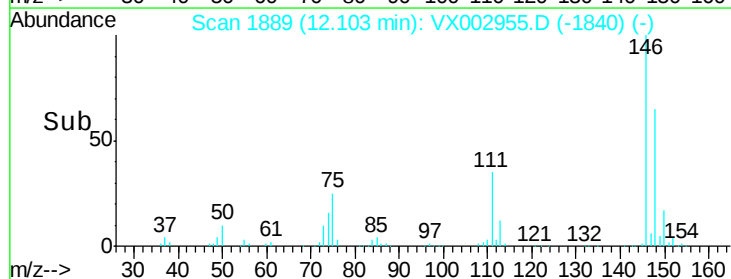
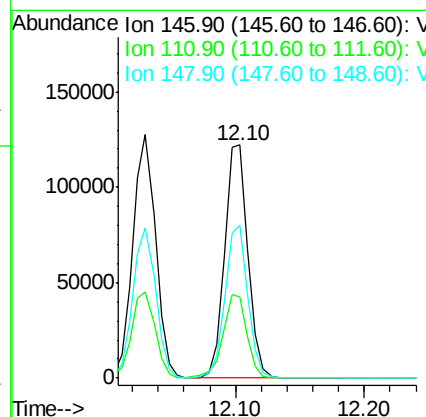
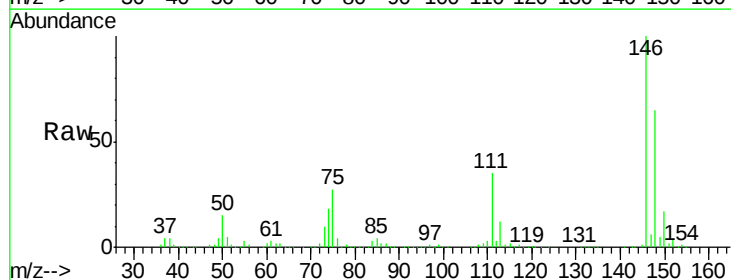
Manual Integrations
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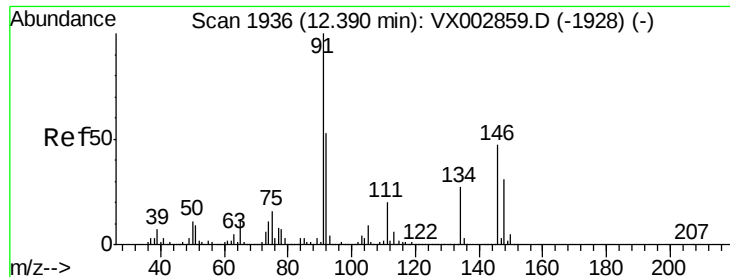
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#88
 1,4-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.5	32.4	97.0





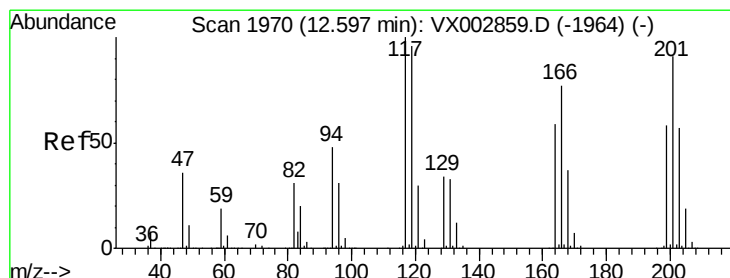
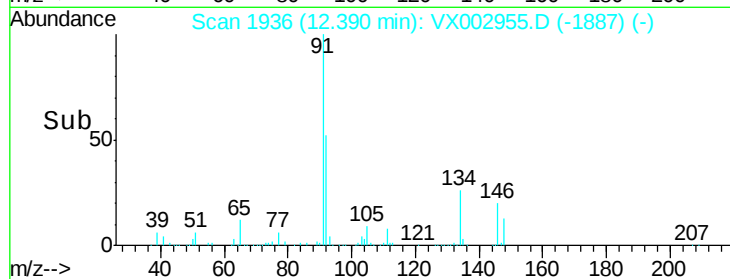
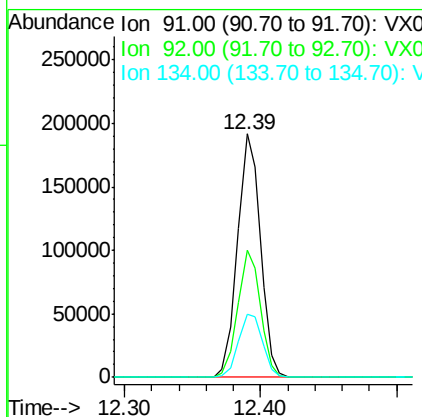
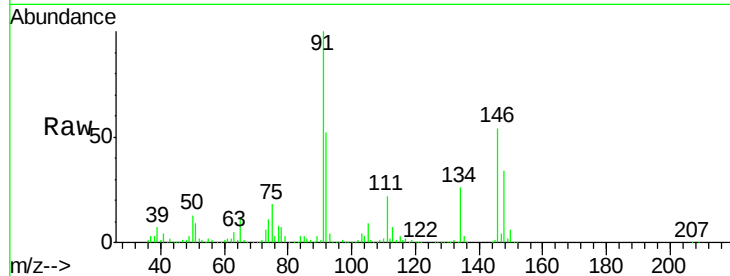
#89
n-Butylbenzene
Concen: 19.70 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	27.3	13.5	40.5

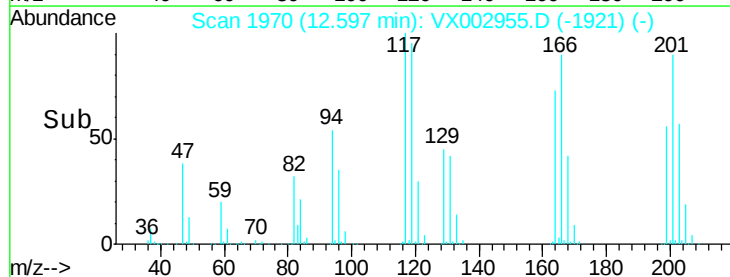
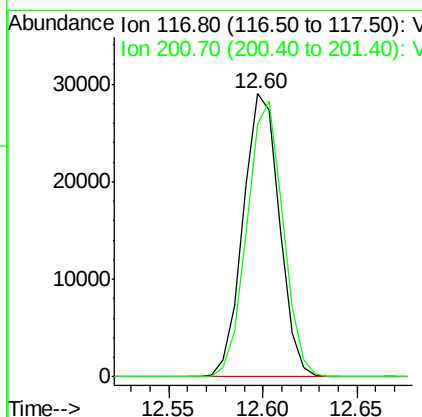
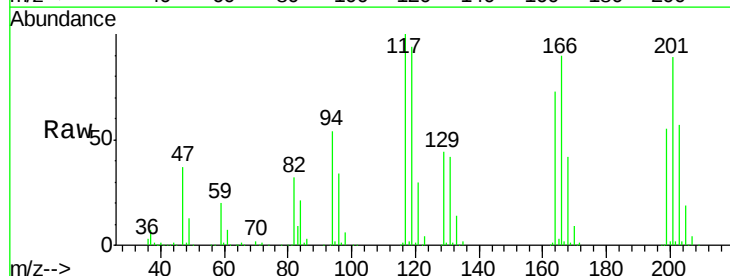
Manual Integrations
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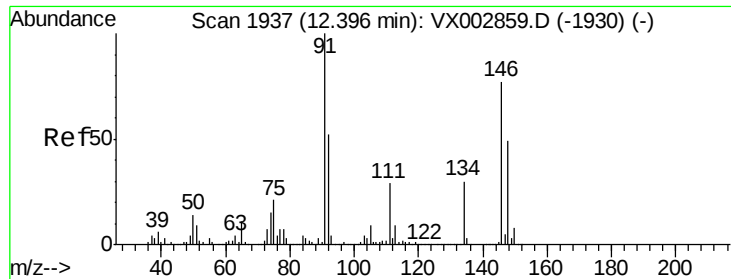
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#90
Hexachloroethane
Concen: 19.84 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002955.D
Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	49.0	147.0





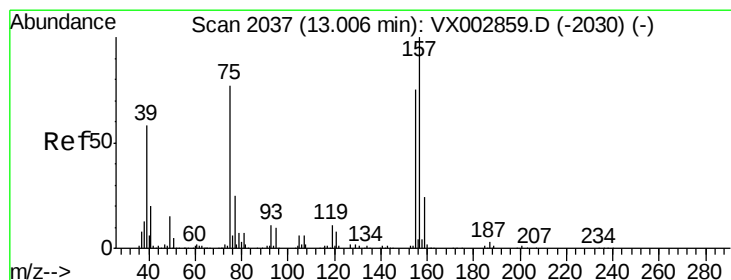
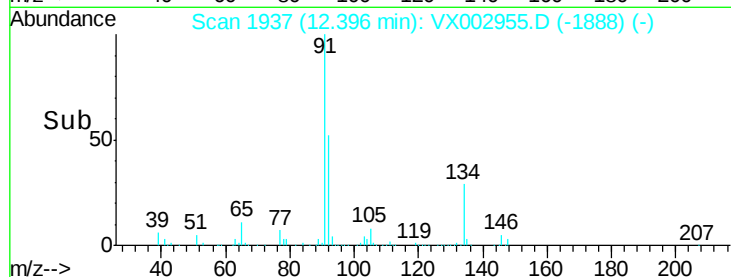
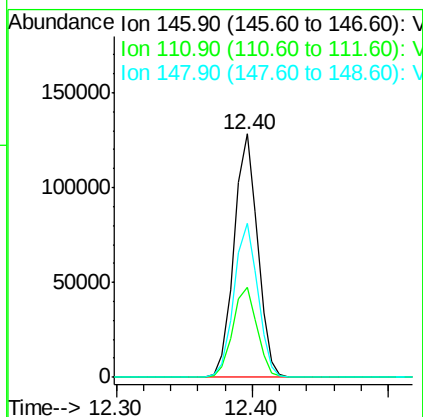
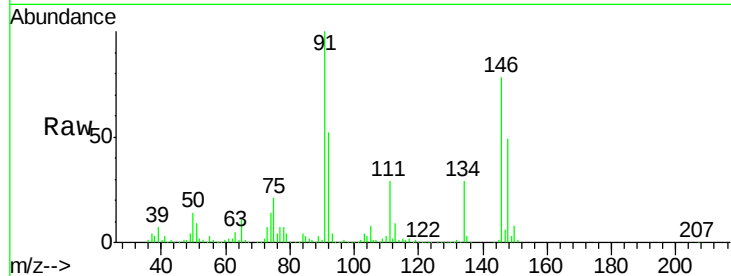
#91
 1,2-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	64.1	31.7	95.1

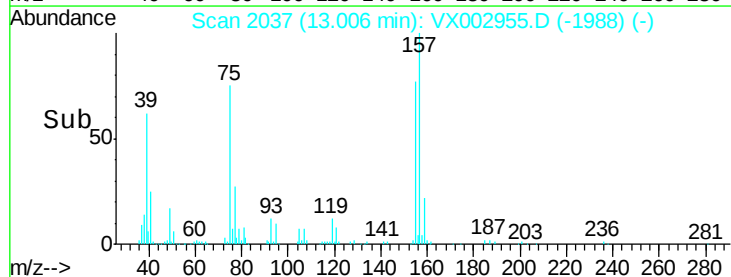
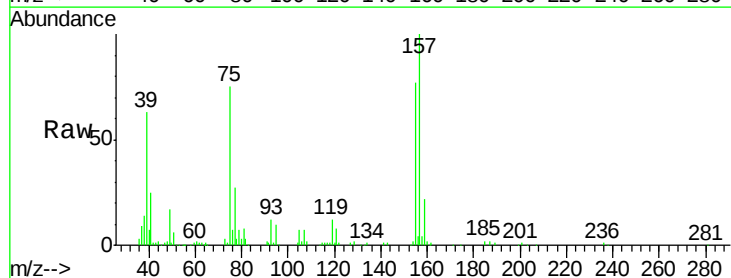
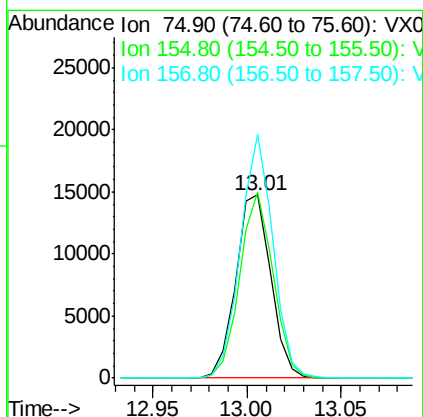
Manual Integrations
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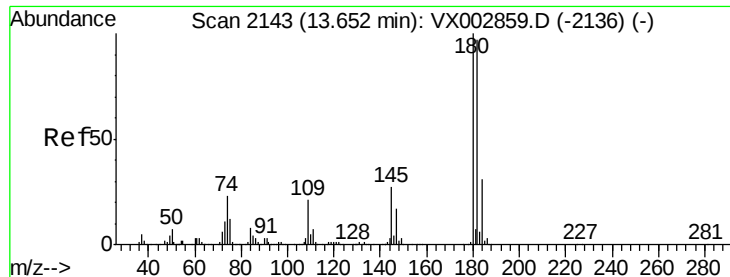
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.99 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	45.8	137.4
157	123.4	60.1	180.3





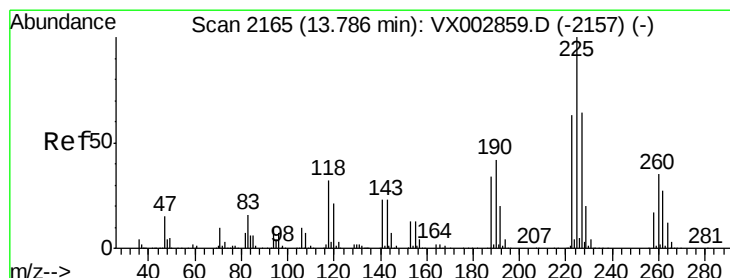
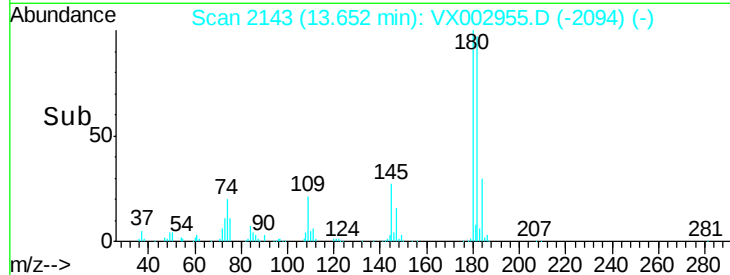
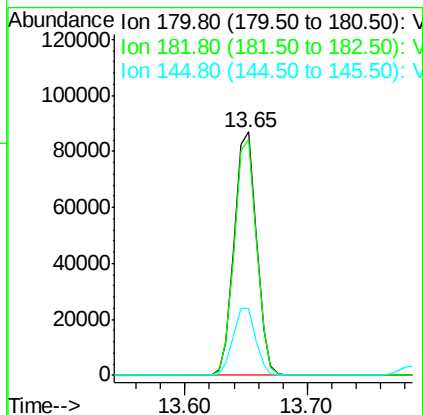
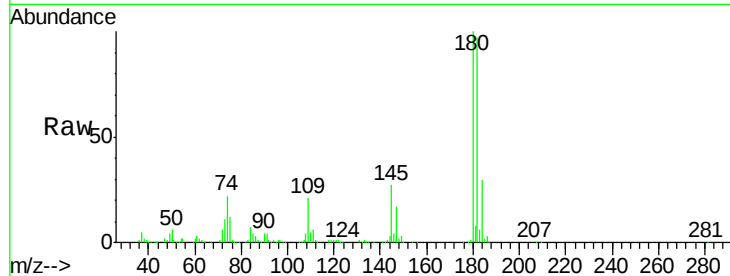
#93
 1,2,4-Trichlorobenzene
 Concen: 19.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	47.7	143.1	
145	28.2	14.1	42.4	

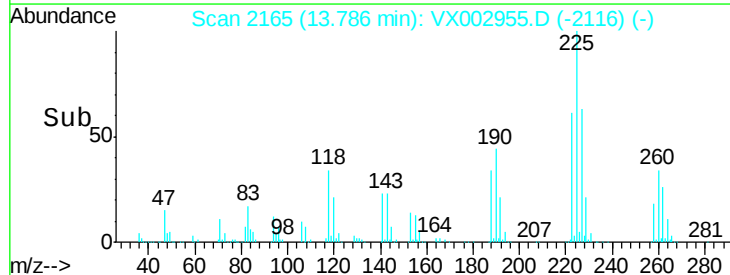
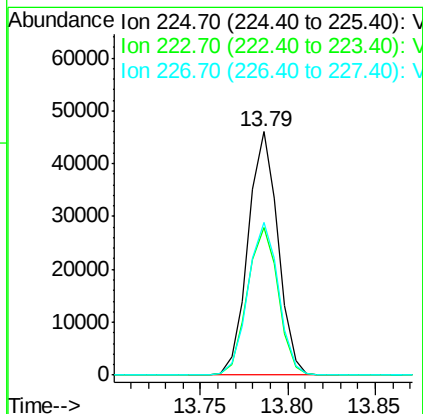
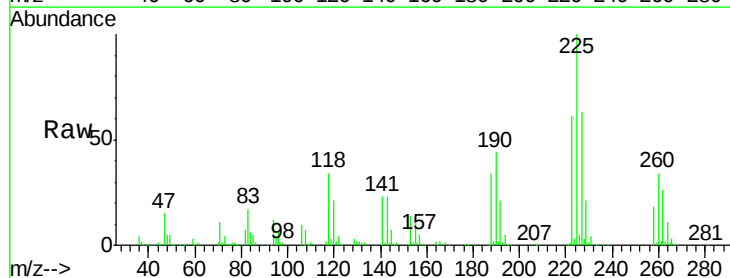
Manual Integrations
 APPROVED

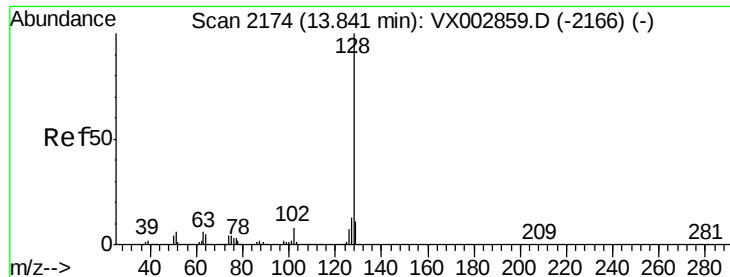
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.72 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002955.D
 Acq: 28 Jun 2018 00:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.6	95.0	
227	64.2	32.4	97.2	





#95

Naphthalene

Concen: 20.77 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Instrument :

MSVOA_X

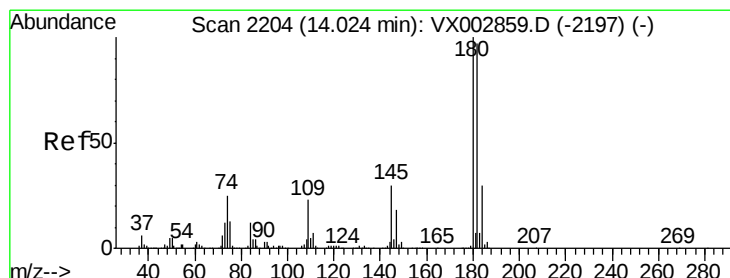
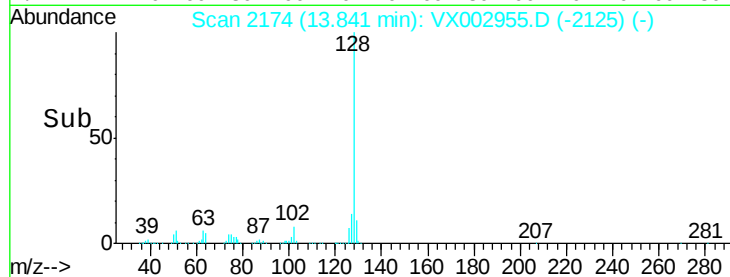
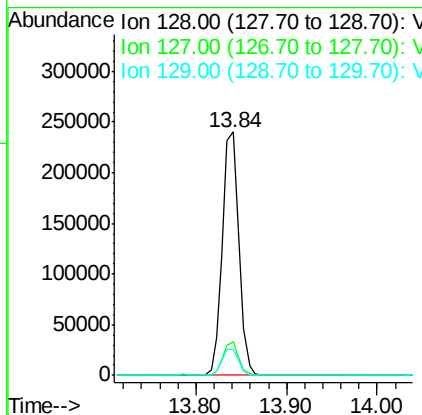
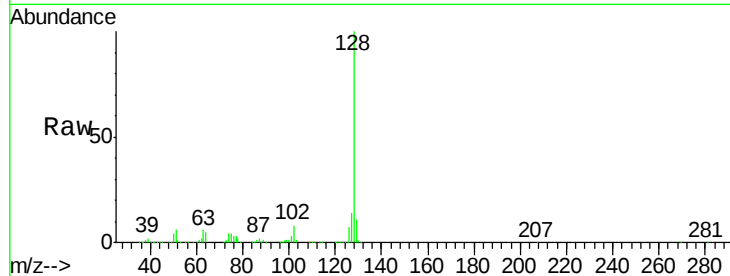
ClientSampleId :

VX0627WBSD02

Tot Ion:	128	Resp:	306133
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.39 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002955.D

Acq: 28 Jun 2018 00:27

Tgt Ion:	180	Resp:	112742
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.0
145	29.9	14.8	44.3

