

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003464.D
 Acq On : 19 Jul 2018 13:55
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:07 PM

Quant Time: Jul 19 15:19:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	323701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	460336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	79372	16.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.28%	
35) Dibromofluoromethane	5.50	113	70151	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
50) Toluene-d8	8.72	98	262854	18.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.68%	
62) 4-Bromofluorobenzene	11.14	95	94037	17.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52658	15.32	ug/l	98
3) Chloromethane	1.32	50	67082	16.41	ug/l	99
4) Vinyl Chloride	1.41	62	81822	19.29	ug/l	92
5) Bromomethane	1.64	94	38925	15.21	ug/l	100
6) Chloroethane	1.73	64	49636	17.75	ug/l	100
7) Trichlorofluoromethane	1.93	101	109033	15.82	ug/l	91
8) Diethyl Ether	2.19	74	44997	17.17	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	67637	17.56	ug/l	98
10) Methyl Iodide	2.51	142	79663	16.79	ug/l	92
11) Tert butyl alcohol	3.07	59	78969	77.66	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65220	18.03	ug/l	91
13) Acrolein	2.29	56	35597	69.03	ug/l	99
14) Allyl chloride	2.73	41	118074	16.44	ug/l #	86
15) Acrylonitrile	3.15	53	189413	85.36	ug/l	99
16) Acetone	2.45	43	142315	65.58	ug/l #	86
17) Carbon Disulfide	2.57	76	176557	20.58	ug/l	98
18) Methyl Acetate	2.78	43	91762	15.87	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	214793	15.83	ug/l	100
20) Methylene Chloride	2.86	84	73765	16.58	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	70371	17.93	ug/l	93
22) Diisopropyl ether	3.87	45	224742	17.30	ug/l #	96
23) Vinyl Acetate	3.82	43	896399	82.43	ug/l	97
24) 1,1-Dichloroethane	3.70	63	131189	18.60	ug/l	98
25) 2-Butanone	4.71	43	242892	85.22	ug/l	92
26) 2,2-Dichloropropane	4.57	77	98774	19.49	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	79758	19.98	ug/l	89
28) Bromochloromethane	5.02	49	53443	16.18	ug/l	85
29) Tetrahydrofuran	5.16	42	157860	84.51	ug/l	90
30) Chloroform	5.22	83	123857	18.21	ug/l	98
31) Cyclohexane	5.58	56	113570	19.56	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	105880	18.62	ug/l	97
36) 1,1-Dichloropropene	5.80	75	93453	19.11	ug/l	97
37) Ethyl Acetate	4.86	43	92222	16.67	ug/l	96
38) Carbon Tetrachloride	5.78	117	94555	19.42	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114579	20.05	ug/l	94
40) Benzene	6.15	78	307933	21.01	ug/l	98
41) Methacrylonitrile	5.06	41	53678	17.18	ug/l	92
42) 1,2-Dichloroethane	6.20	62	99739	17.57	ug/l	94
43) Isopropyl Acetate	6.47	43	145232	15.84	ug/l #	92
44) Trichloroethene	7.21	130	88528	20.92	ug/l	98
45) 1,2-Dichloropropane	7.52	63	74808	19.39	ug/l	100
46) Dibromomethane	7.66	93	48696	18.87	ug/l	94
47) Bromodichloromethane	7.90	83	88319	19.40	ug/l	96
48) Methyl methacrylate	7.78	41	74103	15.82	ug/l #	84
49) 1,4-Dioxane	7.76	88	33881	381.86	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	479094	81.39	ug/l	91
52) Toluene	8.79	92	186530	19.95	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	109594	20.46	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	98294	19.81	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	75255	19.92	ug/l	97
56) Ethyl methacrylate	9.18	69	105631	18.17	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	121261	18.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	258085	91.76	ug/l	96
59) 2-Hexanone	9.50	43	358519	80.82	ug/l	88
60) Dibromochloromethane	9.59	129	73399	20.12	ug/l	99
61) 1,2-Dibromoethane	9.68	107	77432	19.79	ug/l	100
64) Tetrachloroethene	9.34	164	104206	22.28	ug/l	98
65) Chlorobenzene	10.14	112	214530	20.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	74310	21.07	ug/l	99
67) Ethyl Benzene	10.26	91	344365	19.73	ug/l	99
68) m/p-Xylenes	10.36	106	273789	40.67	ug/l	96
69) o-Xylene	10.70	106	131171	19.83	ug/l	96
70) Styrene	10.71	104	220943	20.31	ug/l	96
71) Bromoform	10.86	173	56042	21.14	ug/l #	100
73) Isopropylbenzene	11.02	105	351582	20.90	ug/l	99
74) N-amyl acetate	6.47	43	145232	17.38	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	100897	20.31	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91810m	19.35	ug/l	
77) Bromobenzene	11.26	156	99390	21.21	ug/l	95
78) n-propylbenzene	11.36	91	393352	20.39	ug/l	98
79) 2-Chlorotoluene	11.42	91	236555	20.54	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	292216	20.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	27652	22.04	ug/l	91
82) 4-Chlorotoluene	11.51	91	272621	20.06	ug/l	97
83) tert-Butylbenzene	11.77	119	280666	20.50	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	297877	20.54	ug/l	98
85) sec-Butylbenzene	11.95	105	341130	20.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	308141	20.00	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	178333	20.75	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	178959	20.47	ug/l	99
89) n-Butylbenzene	12.39	91	251744	18.52	ug/l	99
90) Hexachloroethane	12.60	117	40722	19.15	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	178366	20.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19628	18.86	ug/l	86

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VSTDICC020

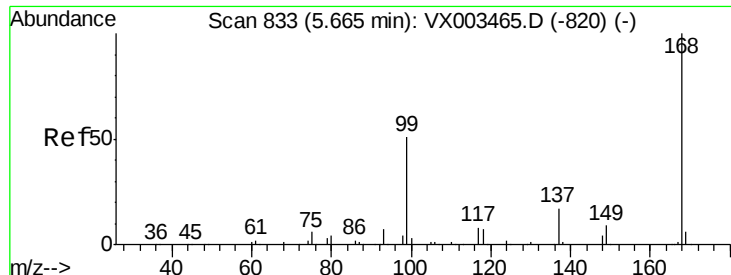
Manual Integrations
APPROVED

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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	124524	19.84	ug/l	99
94) Hexachlorobutadiene	13.79	225	60576	18.32	ug/l	99
95) Naphthalene	13.83	128	349960	20.72	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128158	20.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 323701

Ion Ratio Lower Upper

168 100

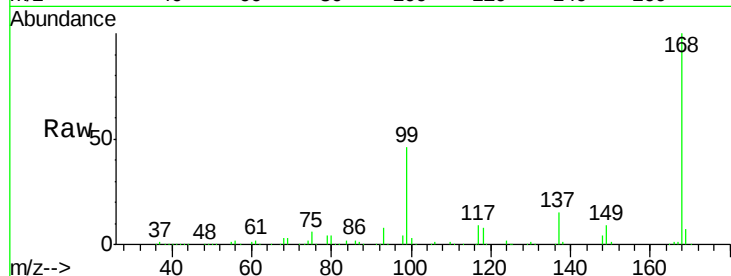
99 46.1 39.3 58.9

Manual Integrations

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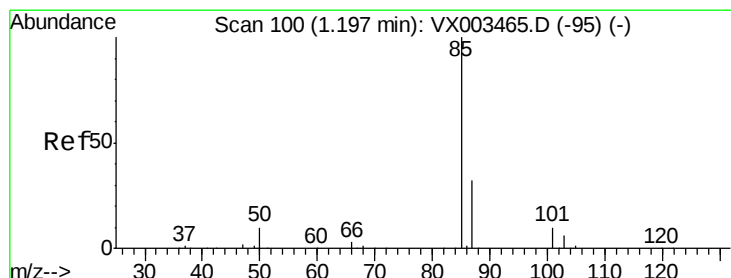
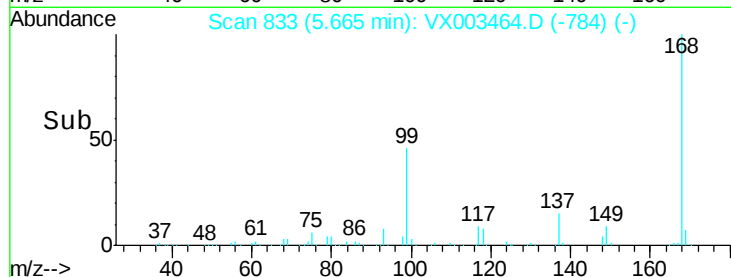
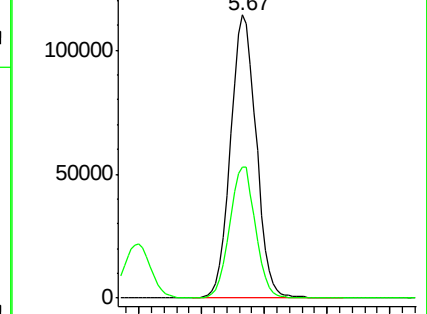
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003464.D

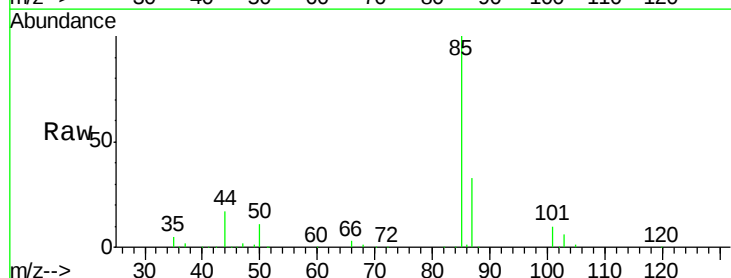
Acq: 19 Jul 2018 13:55

Tgt Ion: 85 Resp: 52658

Ion Ratio Lower Upper

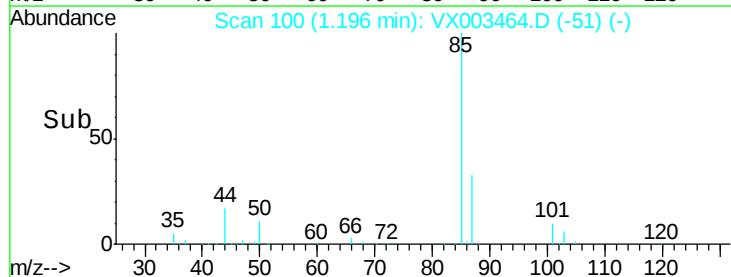
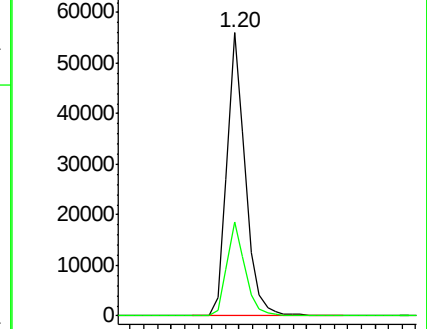
85 100

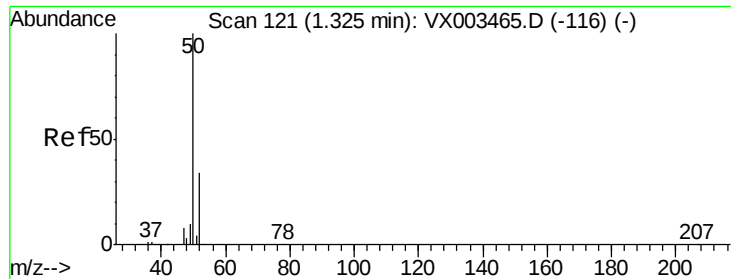
87 33.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 67082

Ion Ratio Lower Upper

50 100

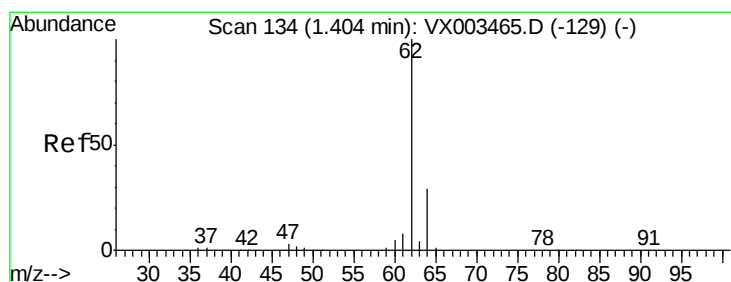
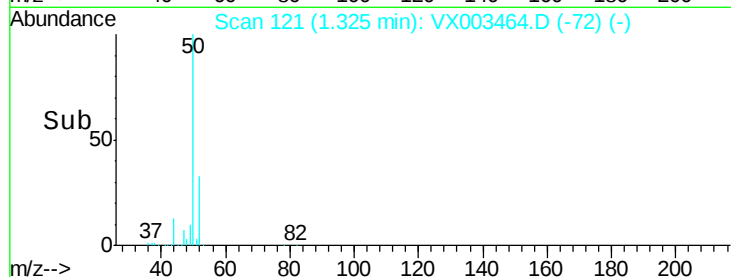
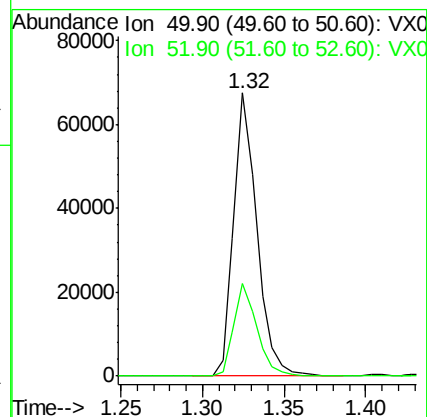
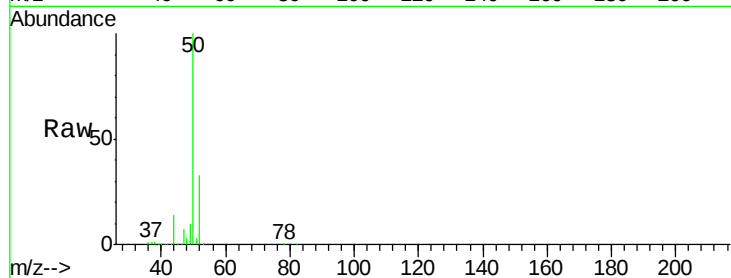
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.29 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003464.D

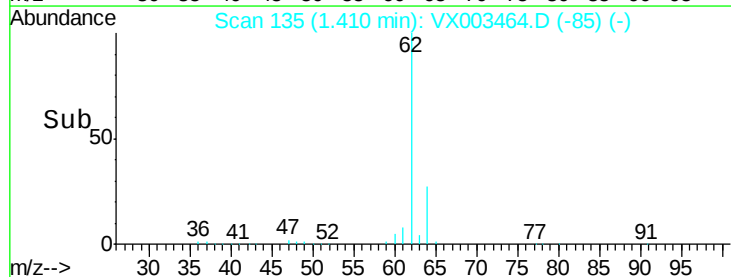
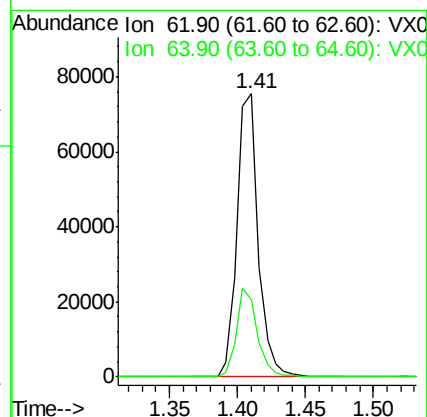
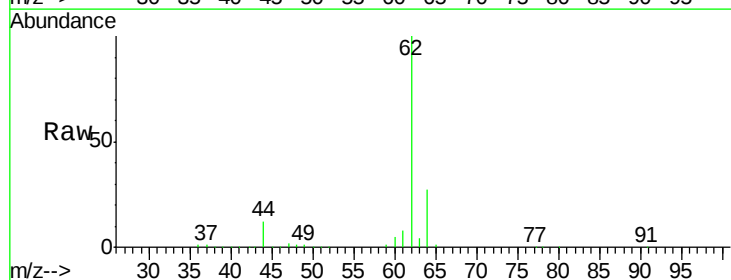
Acq: 19 Jul 2018 13:55

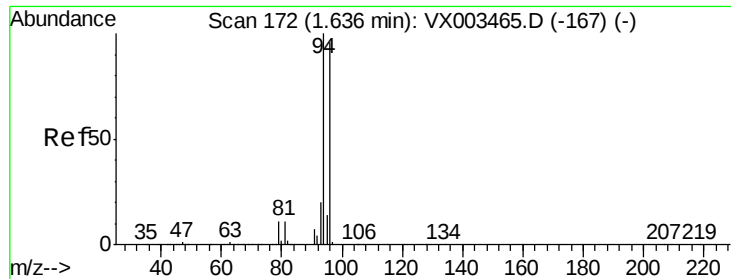
Tgt Ion: 62 Resp: 81822

Ion Ratio Lower Upper

62 100

64 27.3 25.4 38.2





#5

Bromomethane

Concen: 15.21 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 38925

Ion Ratio Lower Upper

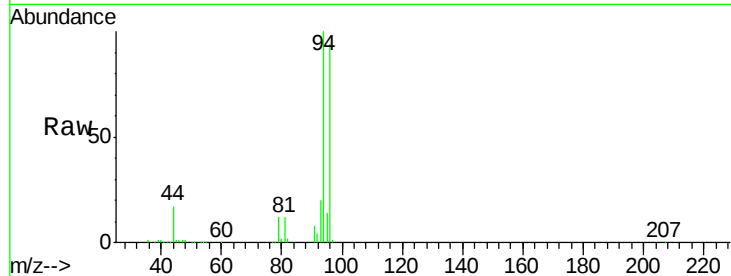
94 100

96 93.7 74.9 112.3

Manual Integrations
APPROVED

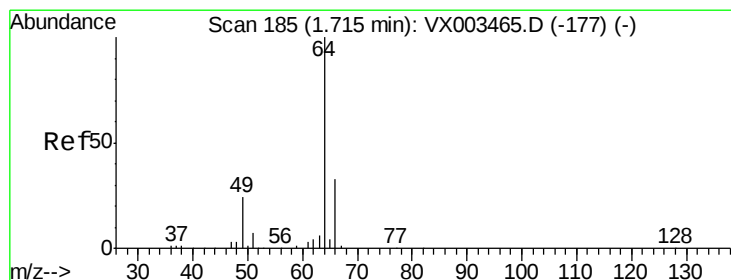
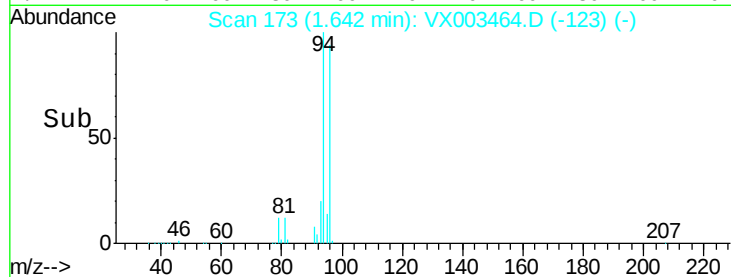
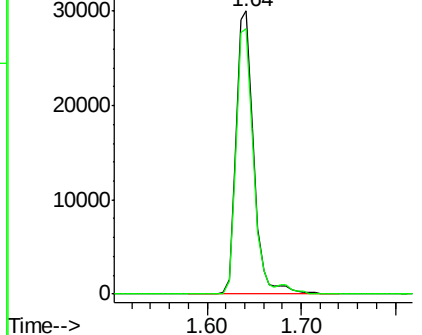
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.75 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003464.D

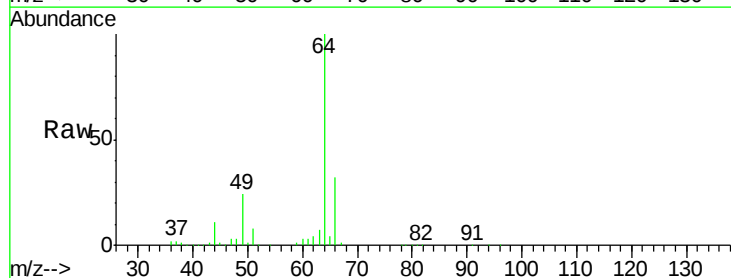
Acq: 19 Jul 2018 13:55

Tgt Ion: 64 Resp: 49636

Ion Ratio Lower Upper

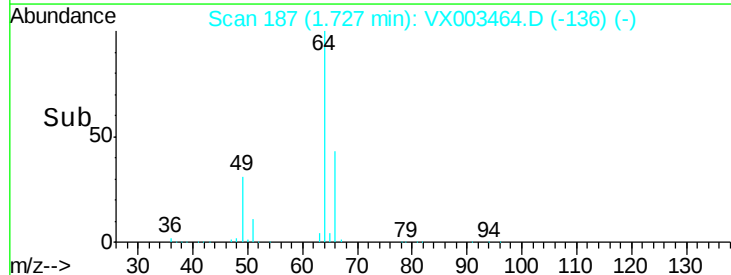
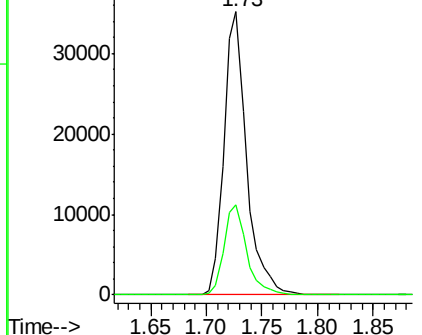
64 100

66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

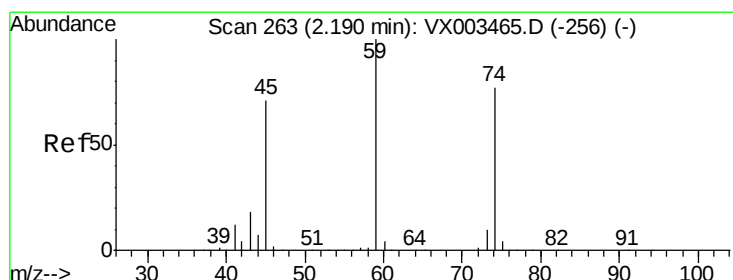
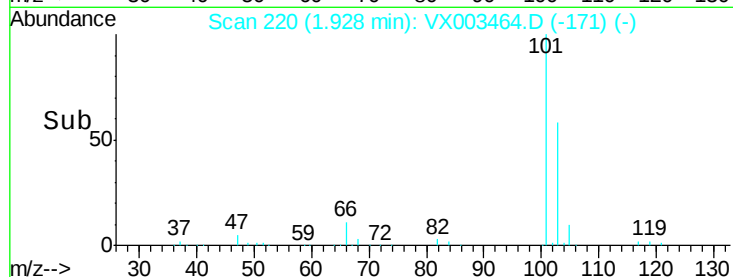
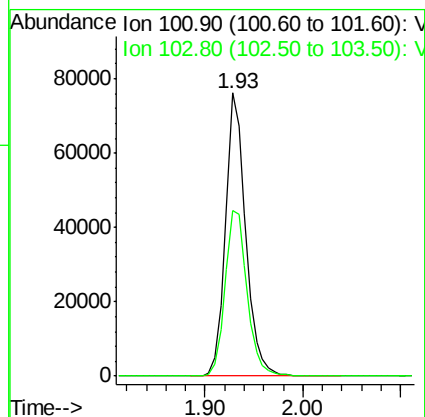
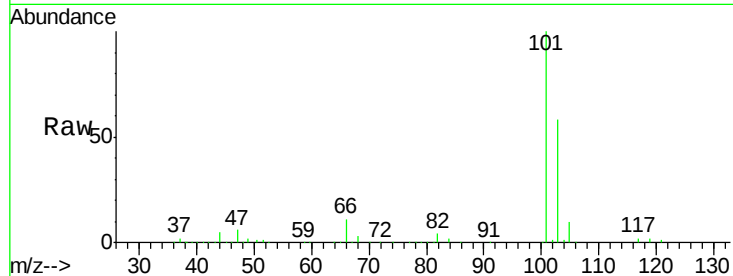
Trichlorofluoromethane
 Concen: 15.82 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

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 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 109033
 Ion Ratio Lower Upper
 101 100
 103 58.5 52.8 79.2

Manual Integrations
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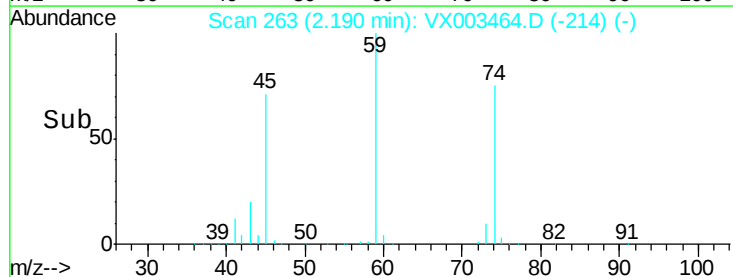
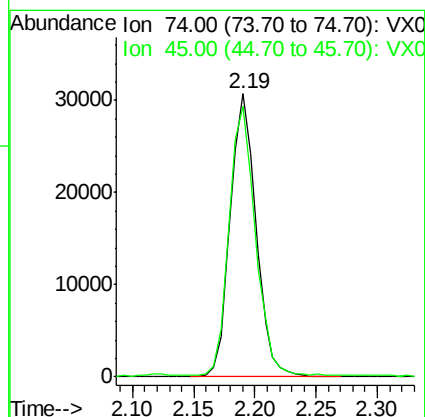
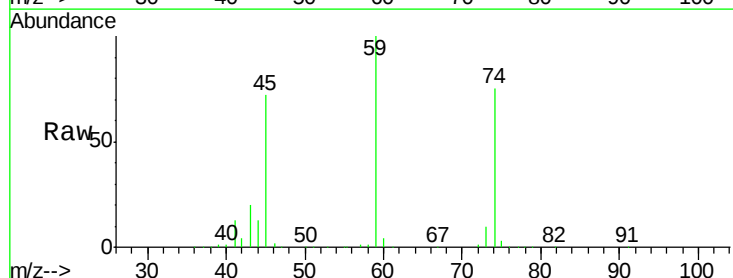
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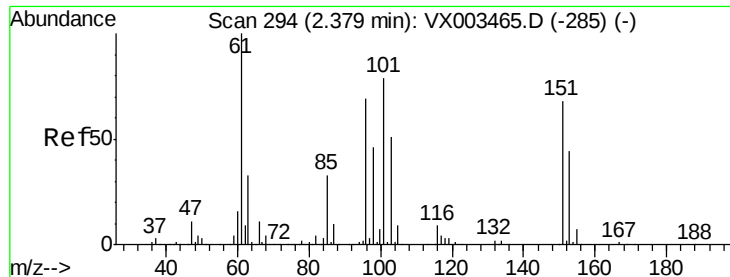


#8

Diethyl Ether
 Concen: 17.17 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 74 Resp: 44997
 Ion Ratio Lower Upper
 74 100
 45 96.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.56 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

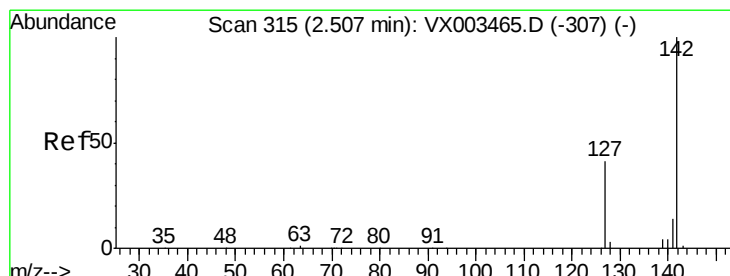
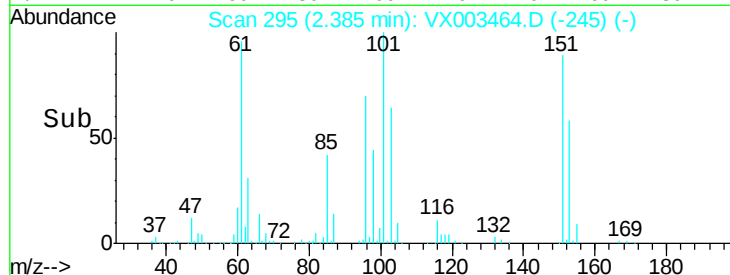
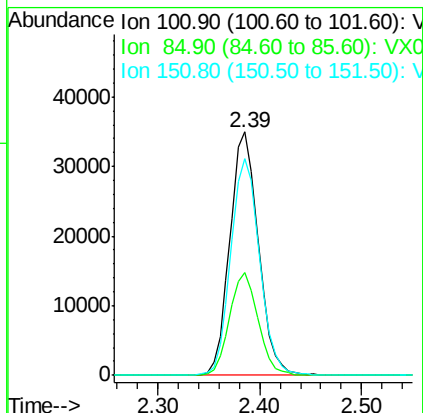
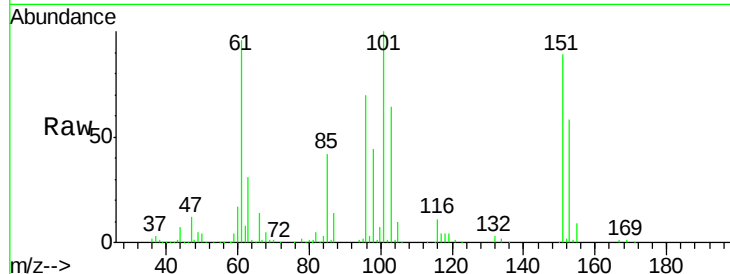
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	67637
Ion Ratio	Lower	Upper	
101	100		
85	42.0	36.0	54.0
151	89.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 16.79 ug/l

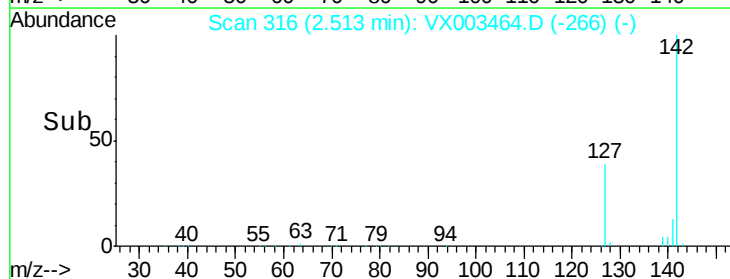
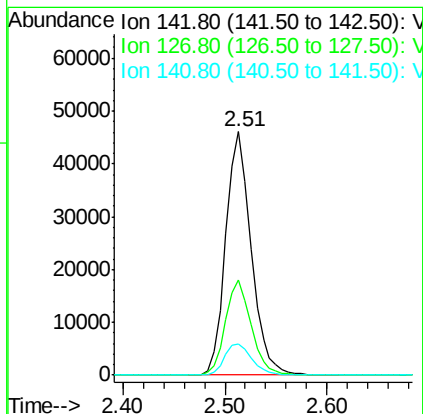
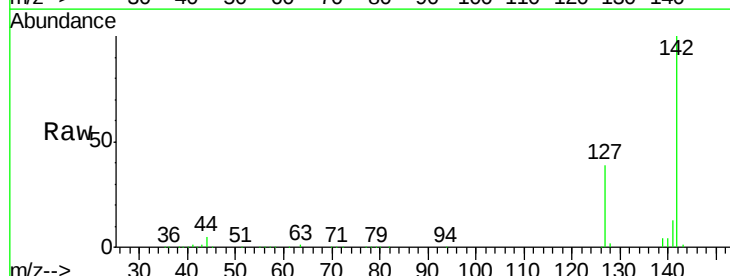
RT: 2.51 min Scan# 316

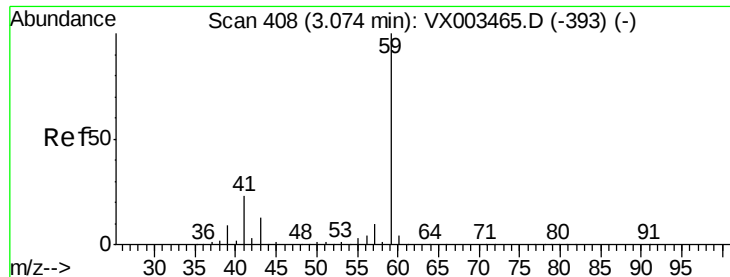
Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion:	142	Resp:	79663
Ion Ratio	Lower	Upper	
142	100		
127	39.4	36.6	55.0
141	13.8	11.3	16.9





#11

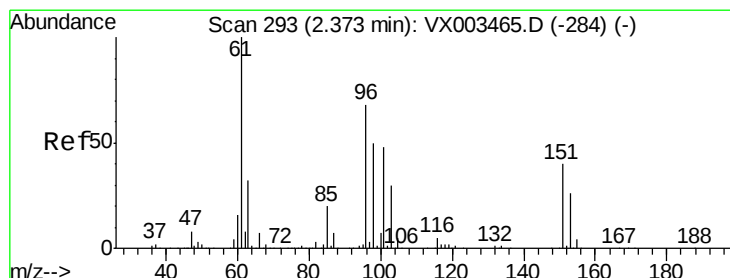
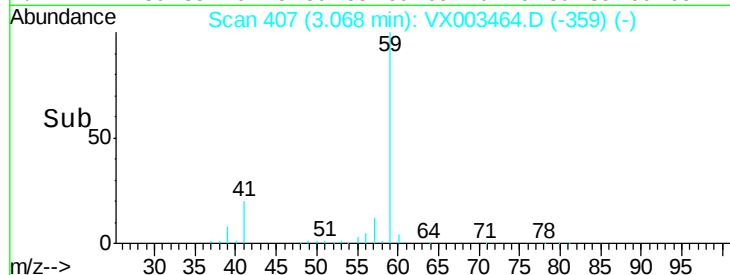
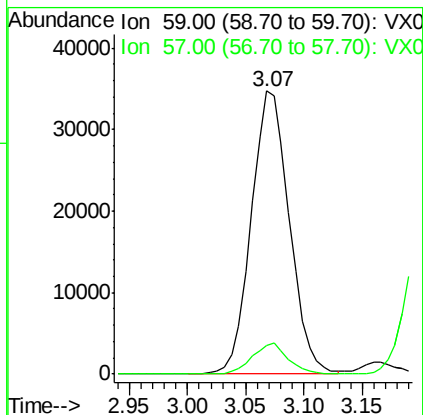
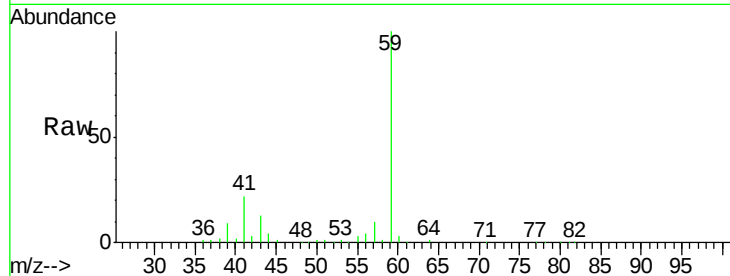
Tert butyl alcohol
Concen: 77.66 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
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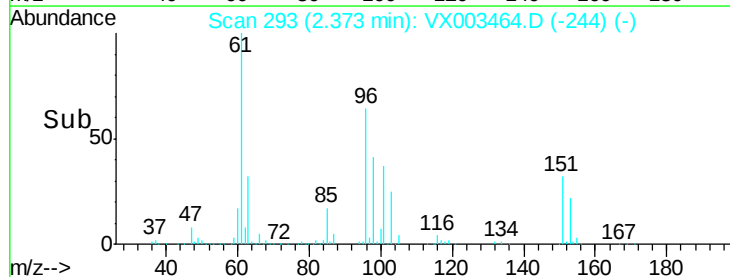
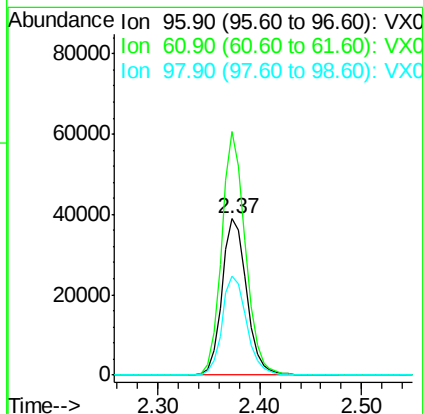
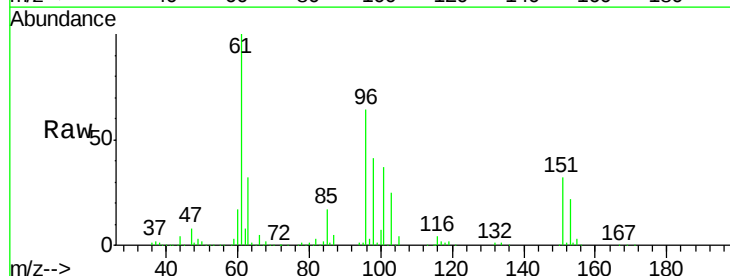
MMDadoda
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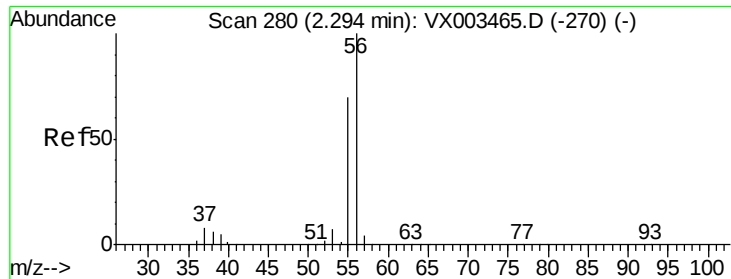


#12

1,1-Dichloroethene
Concen: 18.03 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	137.9	206.9
98	63.5	51.6	77.4





#13

Acrolein

Concen: 69.03 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 35597

Ion Ratio Lower Upper

56 100

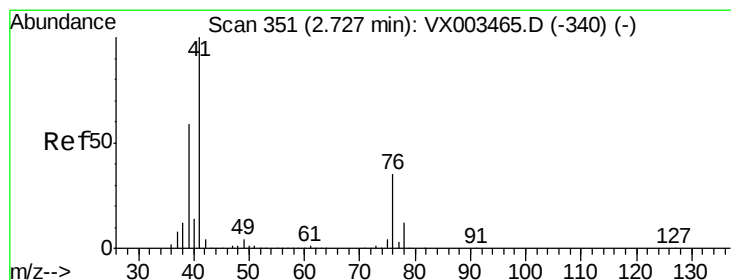
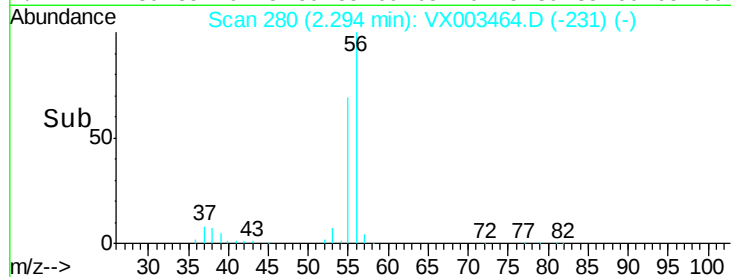
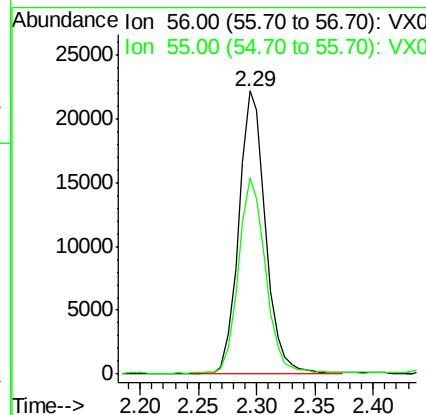
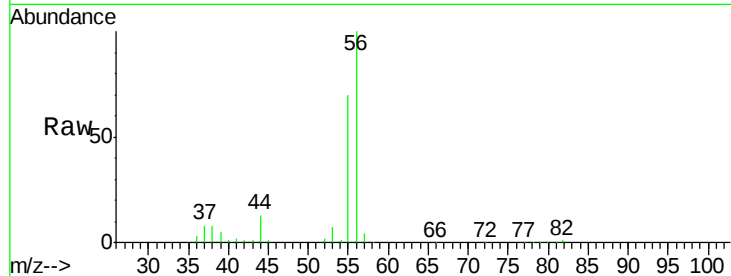
55 71.9 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 16.44 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

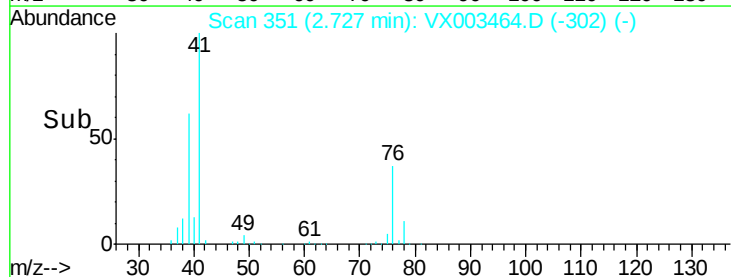
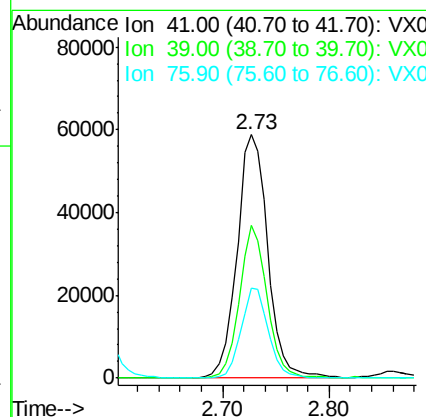
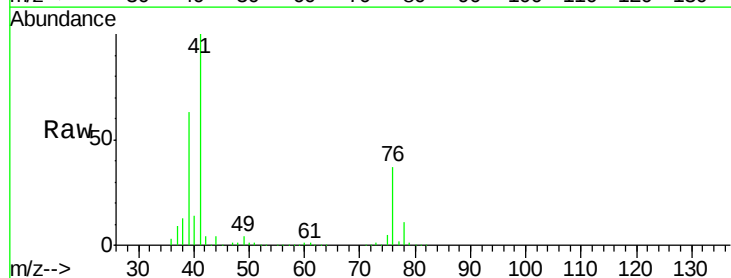
Tgt Ion: 41 Resp: 118074

Ion Ratio Lower Upper

41 100

39 56.6 56.8 85.2#

76 33.4 23.8 35.8





#15

Acrylonitrile

Concen: 85.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

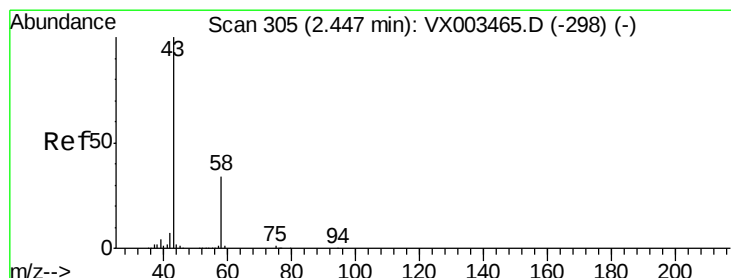
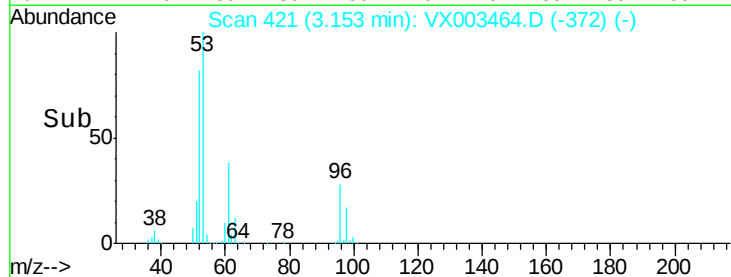
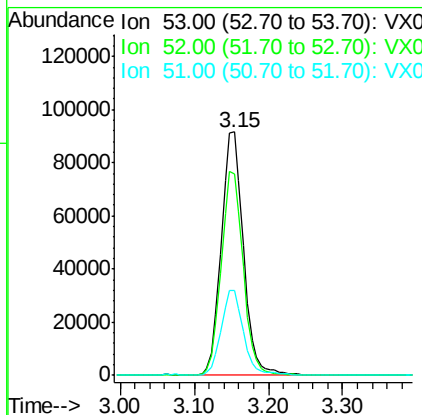
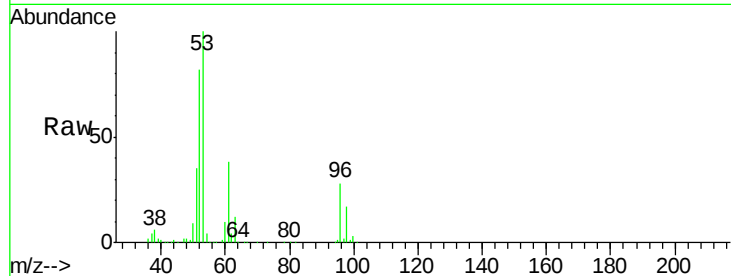
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	189413
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	35.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 65.58 ug/l

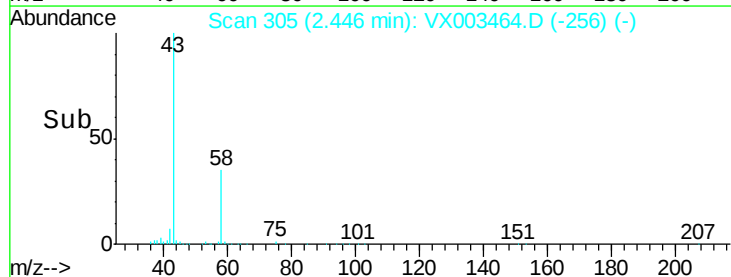
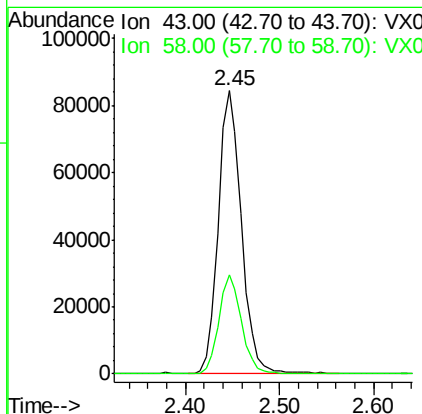
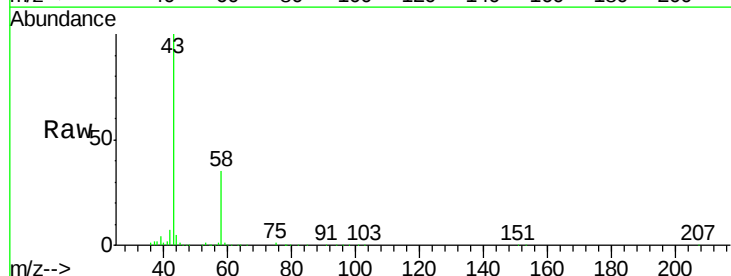
RT: 2.45 min Scan# 305

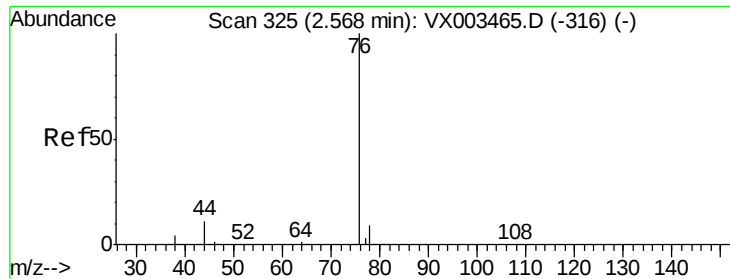
Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion:	43	Resp:	142315
Ion Ratio	Lower	Upper	
43	100		
58	35.1	22.1	33.1#





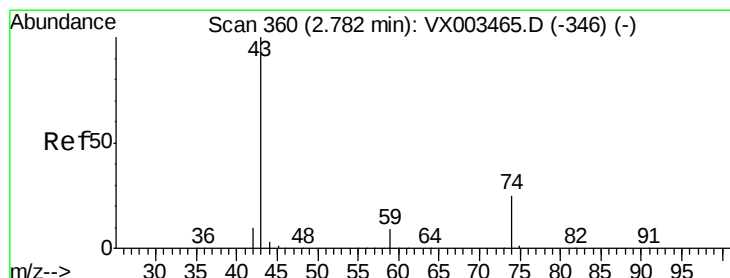
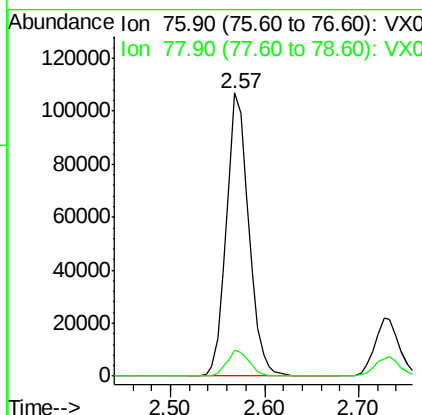
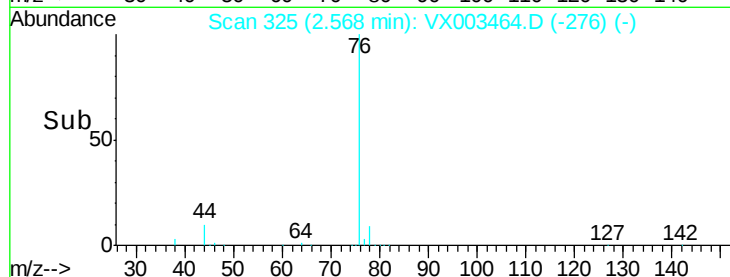
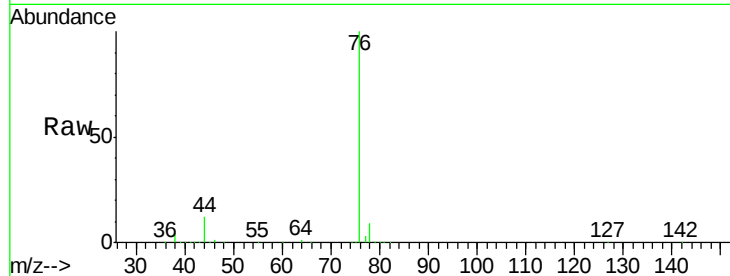
#17
Carbon Disulfide
Concen: 20.58 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

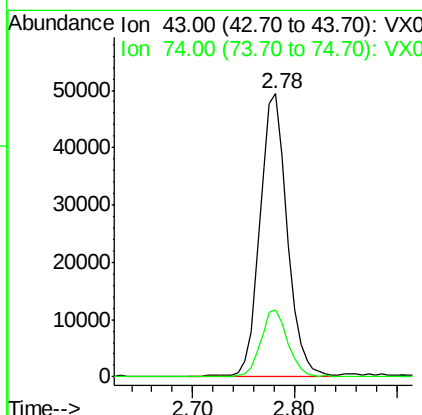
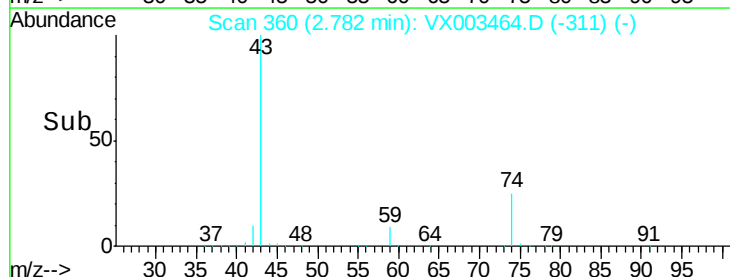
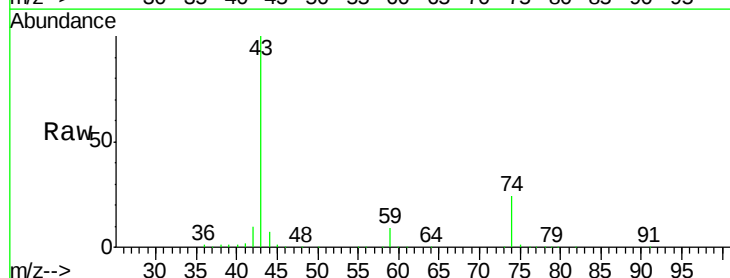
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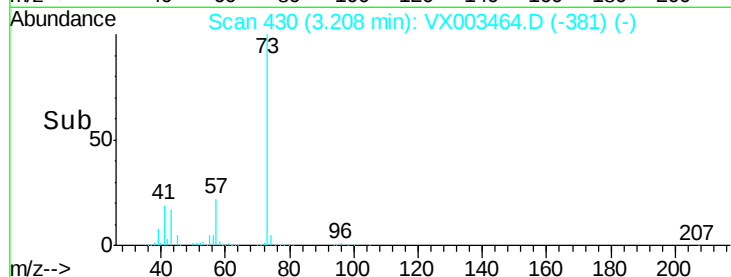
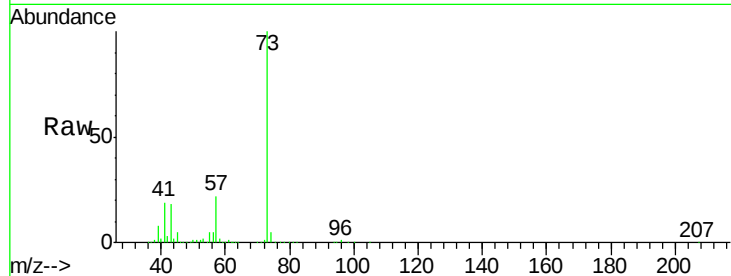
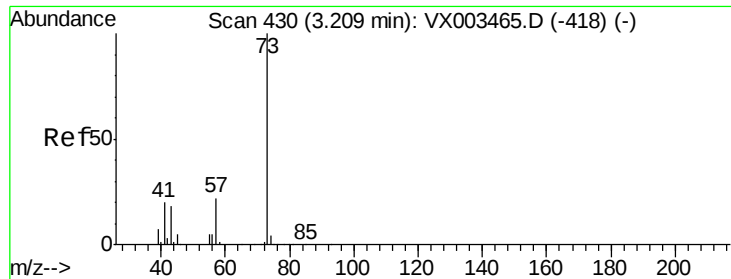
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#18
Methyl Acetate
Concen: 15.87 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	16.7	25.1





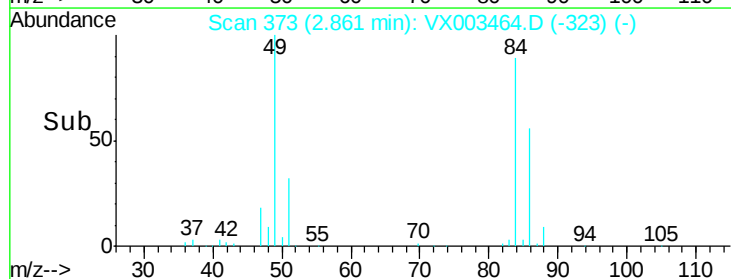
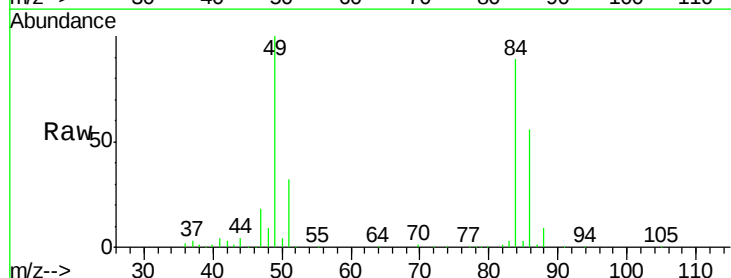
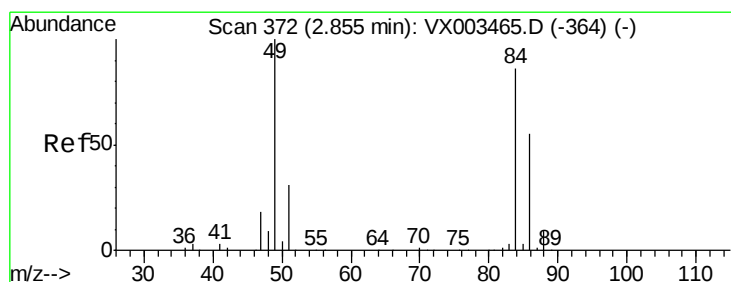
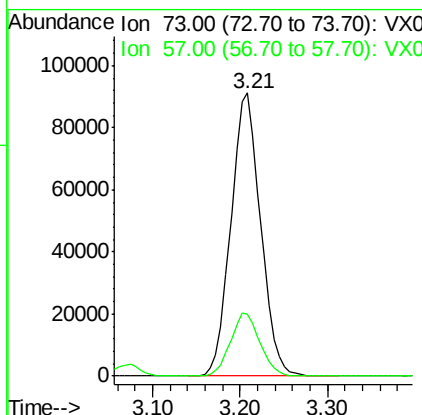
#19
Methvl tert-butvl Ether
Concen: 15.83 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tot Ion: 73 Resp: 214793
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

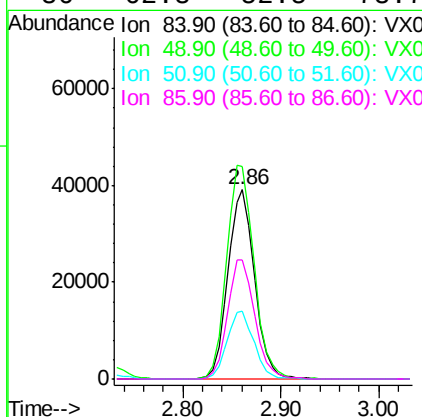
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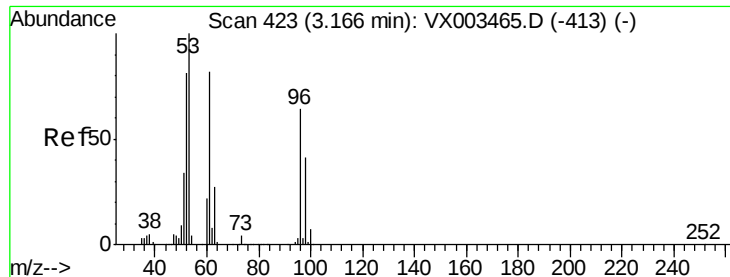
MMDadoda
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#20
Methylene Chloride
Concen: 16.58 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 84 Resp: 73765
Ion Ratio Lower Upper
84 100
49 112.7 107.8 161.6
51 35.9 32.8 49.2
86 62.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 17.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 70371

Ion Ratio Lower Upper

96 100

61 133.1 117.0 175.4

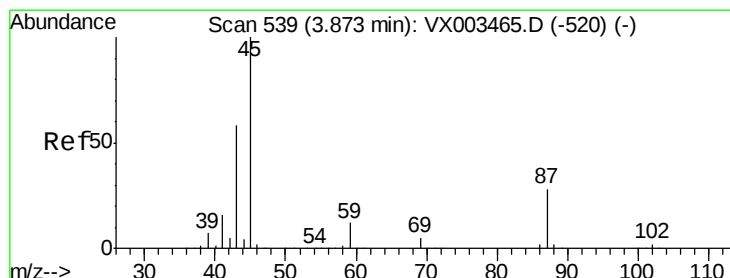
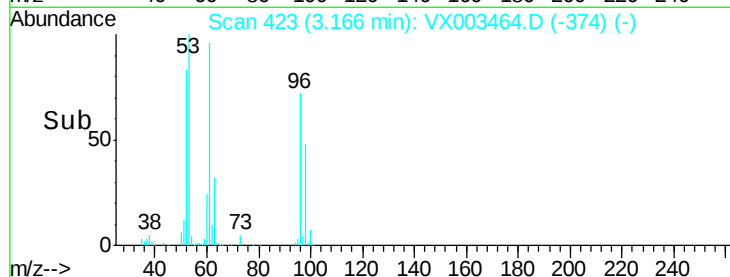
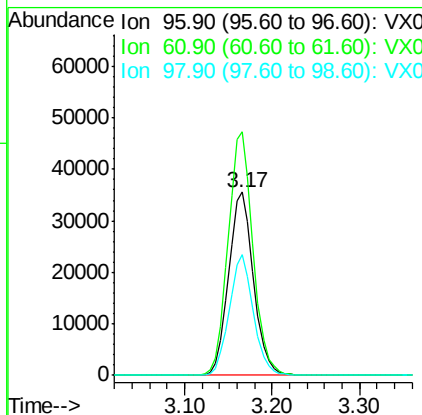
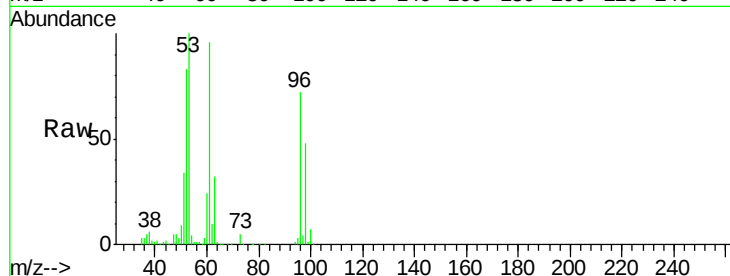
98 65.7 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 17.30 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion: 45 Resp: 224742

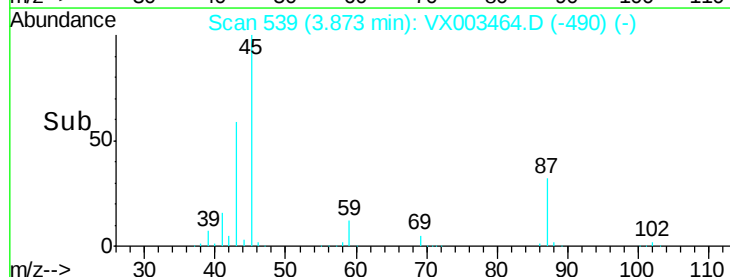
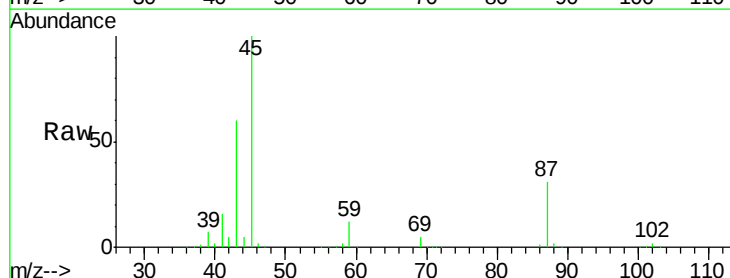
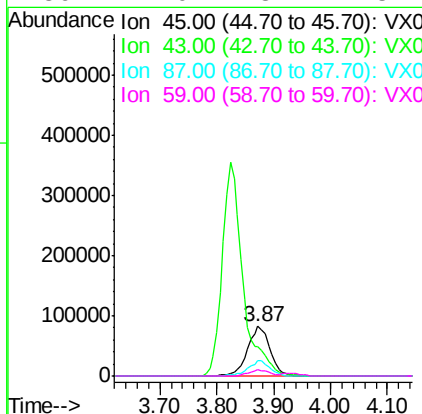
Ion Ratio Lower Upper

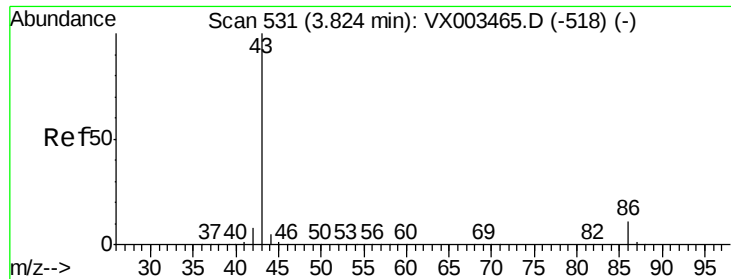
45 100

43 59.4 46.8 70.2

87 31.5 20.2 30.4#

59 12.0 8.7 13.1





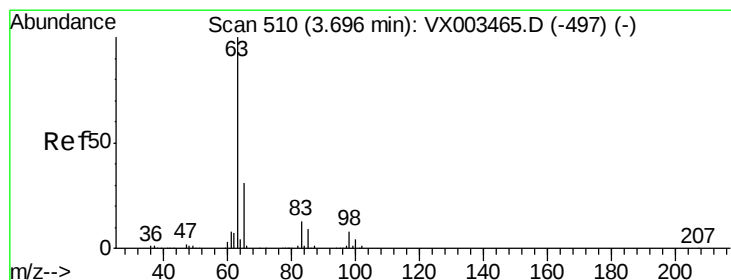
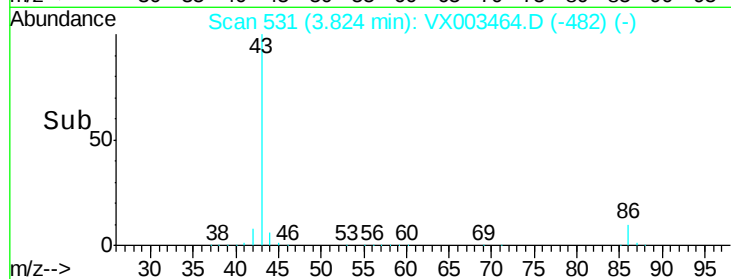
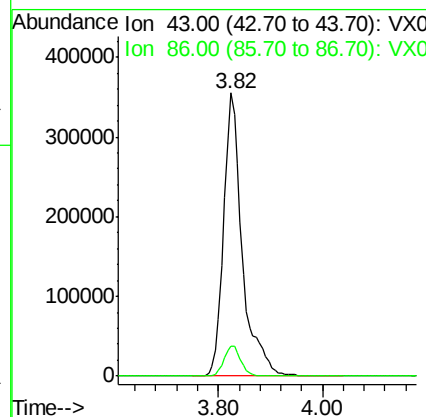
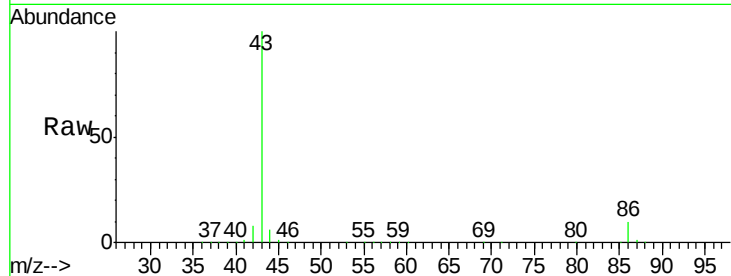
#23
 Vinyl Acetate
 Concen: 82.43 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.4	11.0

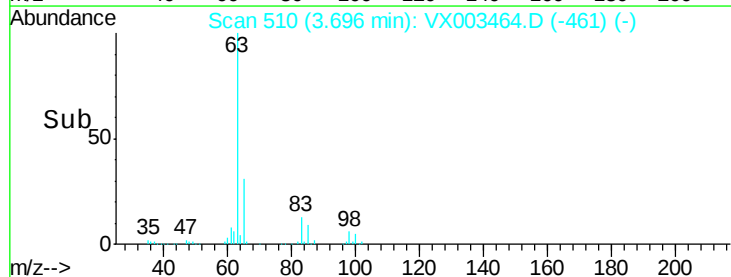
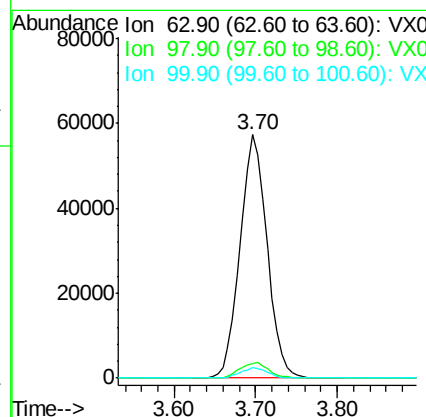
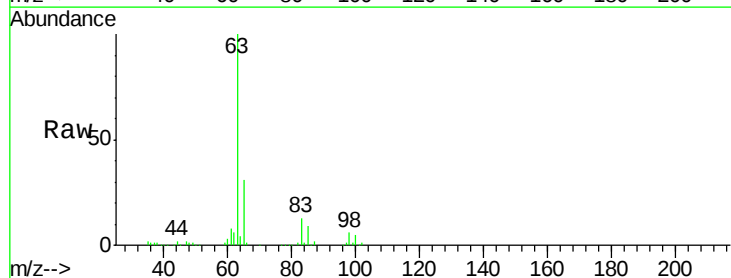
Manual Integrations
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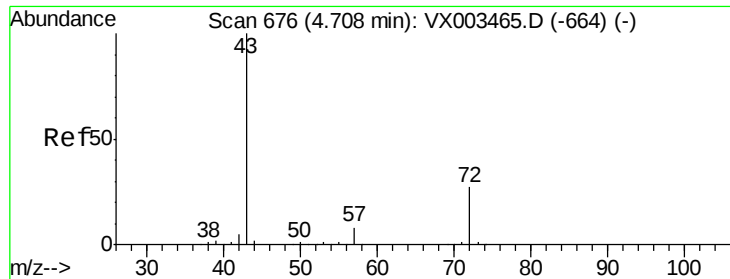
MMDadoda
 7/20/2018 5:22:07 PM



#24
 1,1-Dichloroethane
 Concen: 18.60 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.2
100	4.5	2.0	6.0





#25

2-Butanone

Concen: 85.22 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 242892

Ion Ratio Lower Upper

43 100

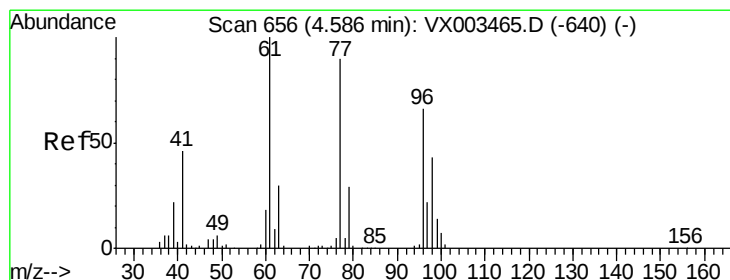
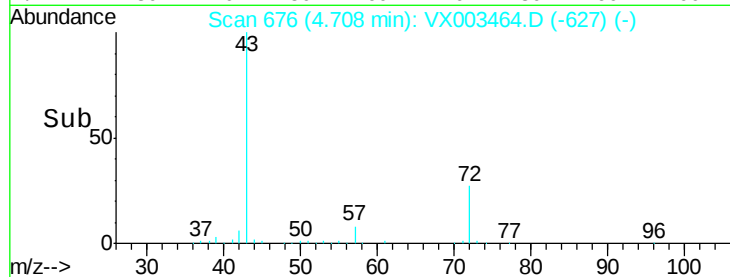
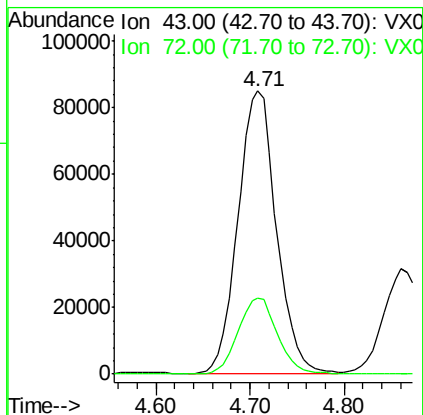
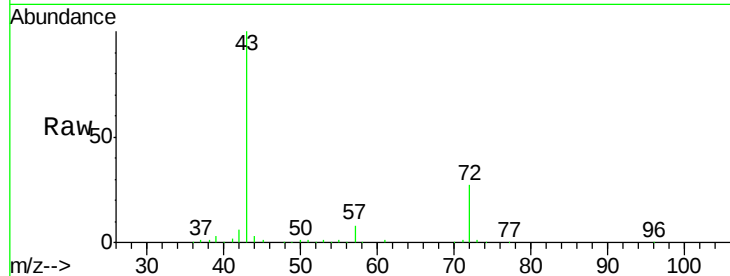
72 26.8 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.49 ug/l

RT: 4.57 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX003464.D

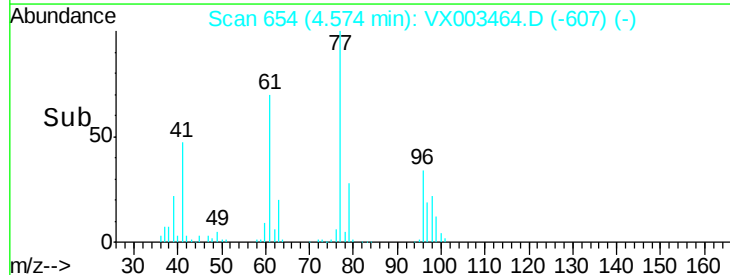
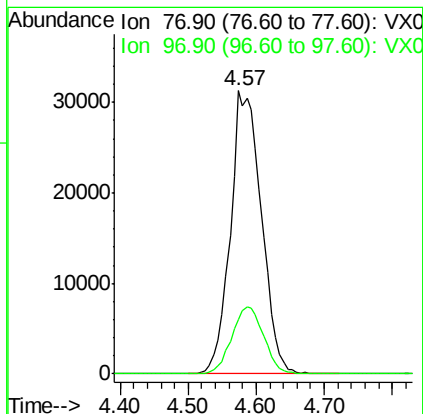
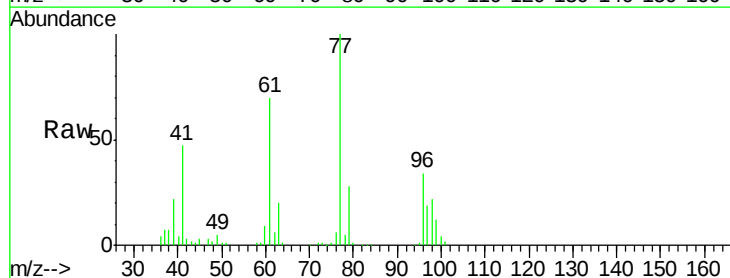
Acq: 19 Jul 2018 13:55

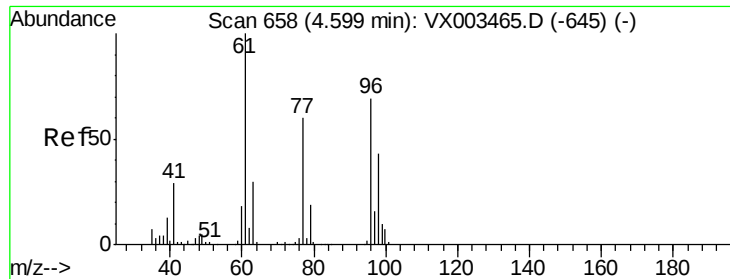
Tgt Ion: 77 Resp: 98774

Ion Ratio Lower Upper

77 100

97 24.3 11.2 33.5





#27

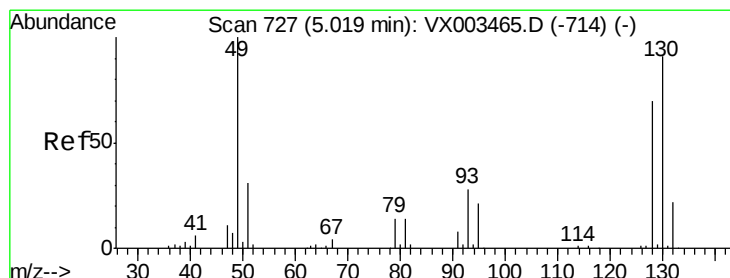
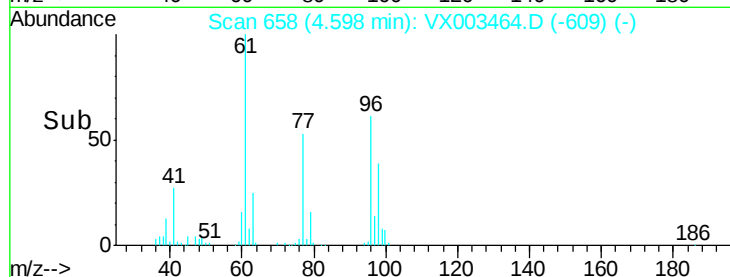
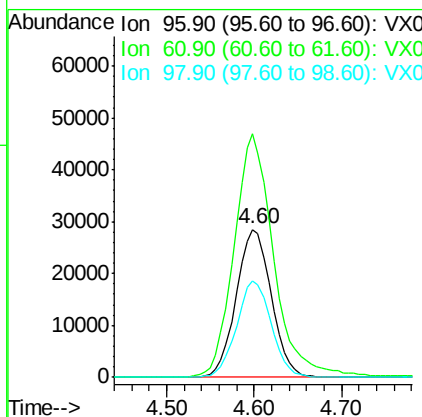
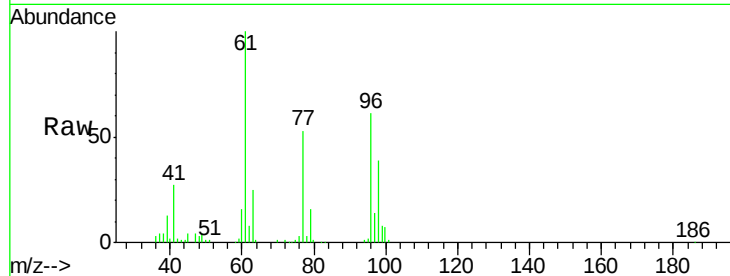
cis-1,2-Dichloroethene
Concen: 19.98 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.5	0.0	330.2
98	64.2	0.0	130.2

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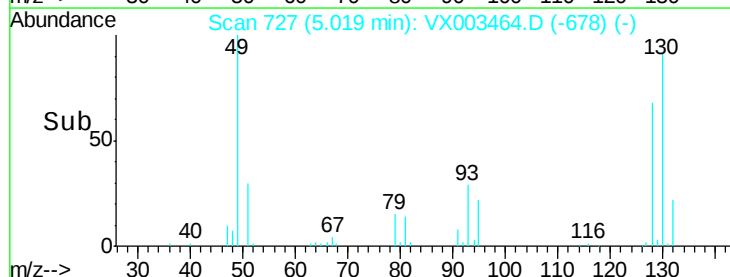
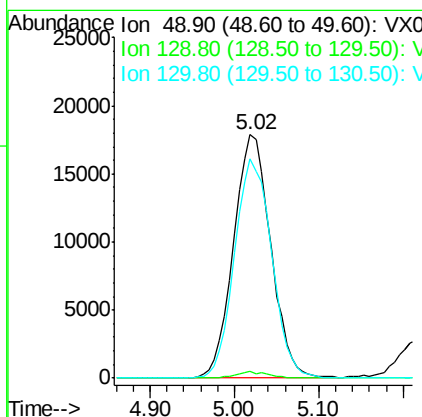
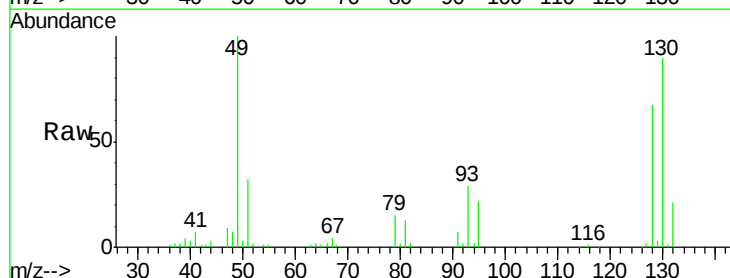
MMDadoda
7/20/2018 5:22:07 PM



#28

Bromochloromethane
Concen: 16.18 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	90.1	61.2	91.8





#29

Tetrahydrofuran

Concen: 84.51 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

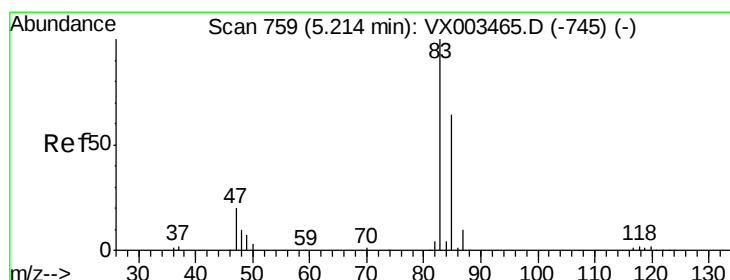
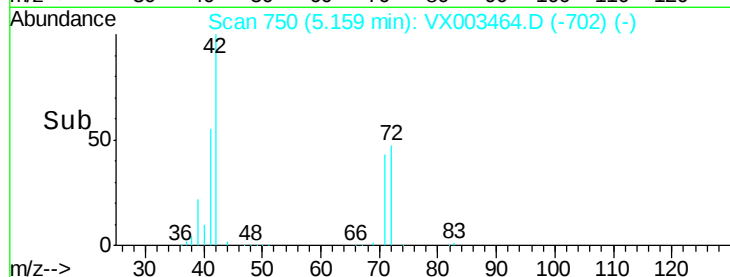
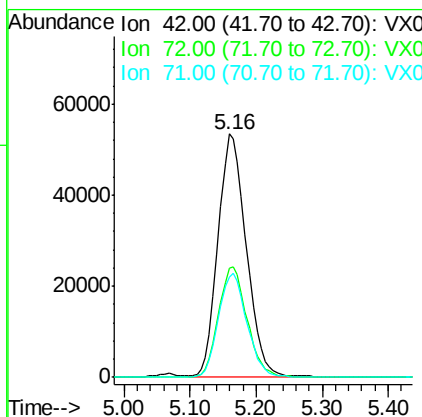
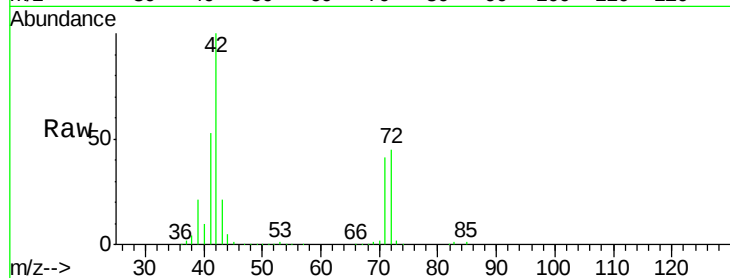
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	157860
Ion	Ratio	Lower	Upper
42	100		
72	46.2	32.0	48.0
71	43.0	30.1	45.1

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#30

Chloroform

Concen: 18.21 ug/l

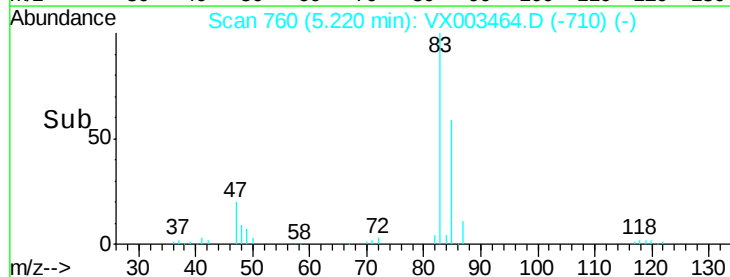
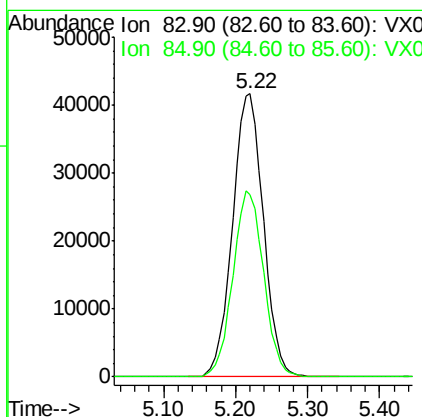
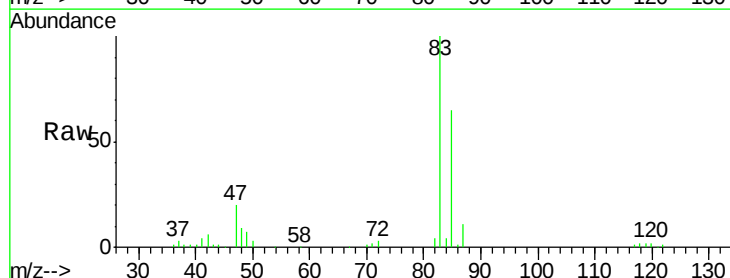
RT: 5.22 min Scan# 760

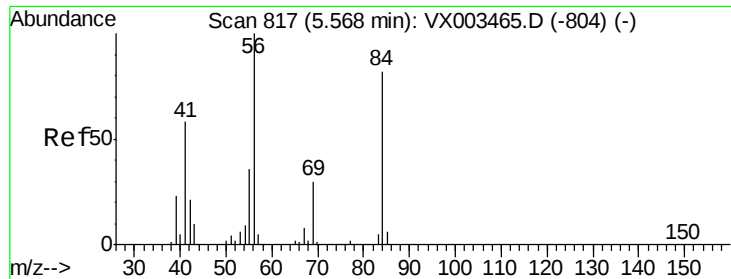
Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion:	83	Resp:	123857
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.4	75.6





#31

Cyclohexane

Concen: 19.56 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 113570

Ion Ratio Lower Upper

56 100

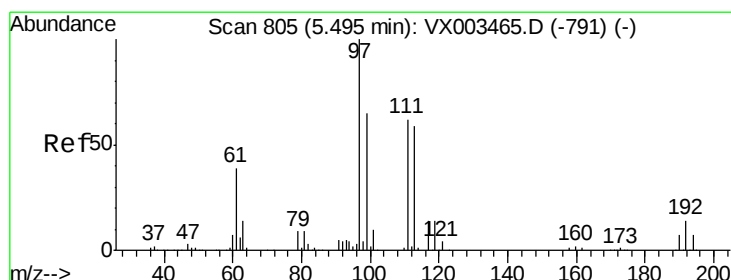
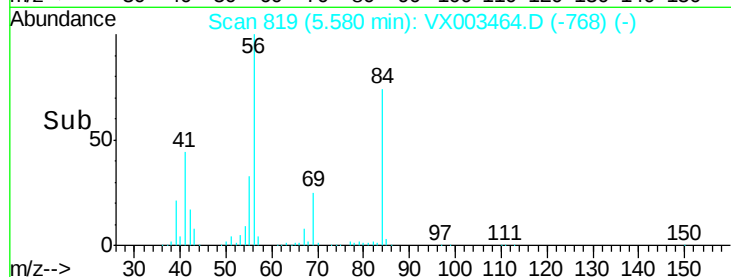
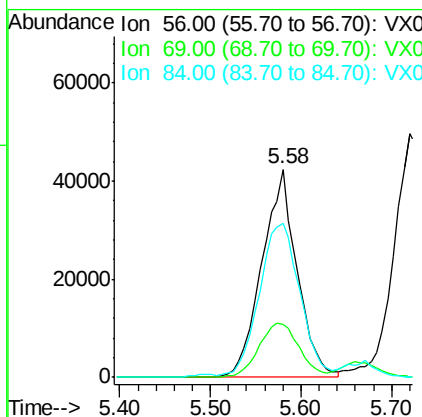
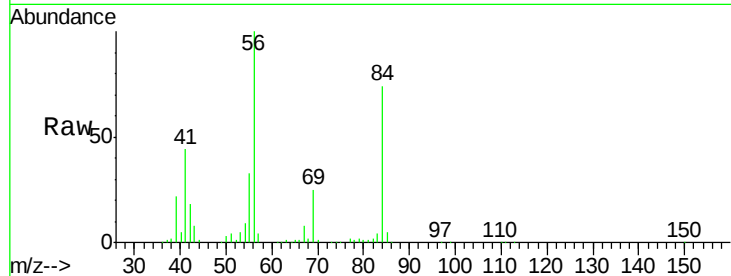
69 25.5 23.7 35.5

84 73.2 64.1 96.1

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#32

1,1,1-Trichloroethane

Concen: 18.62 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

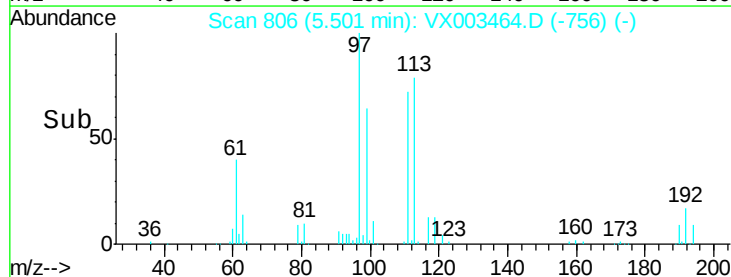
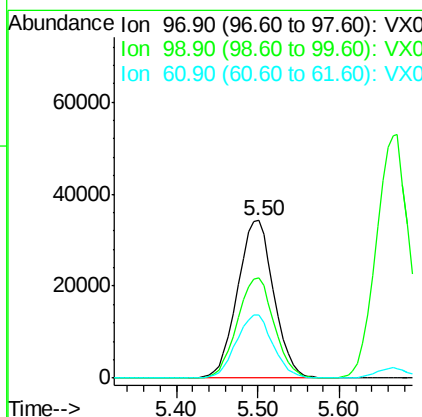
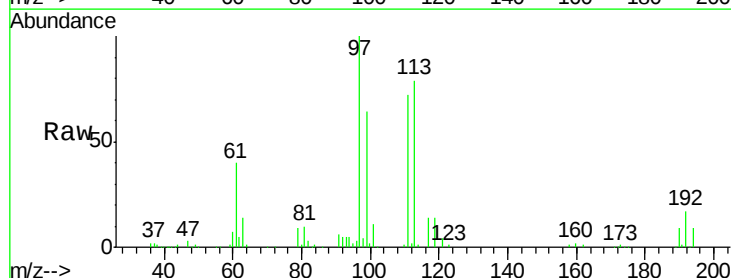
Tgt Ion: 97 Resp: 105880

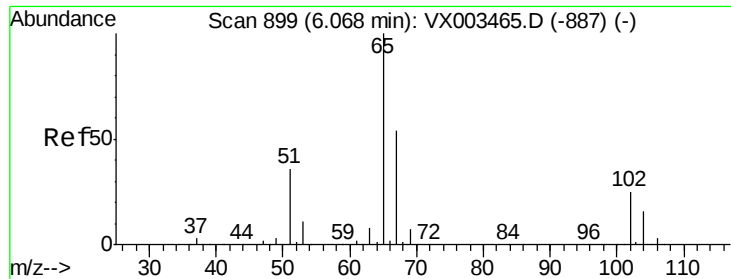
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 40.5 36.4 54.6





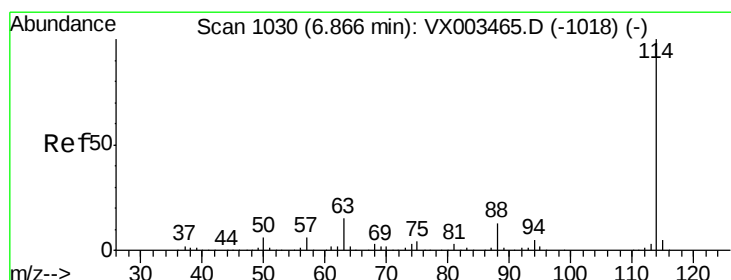
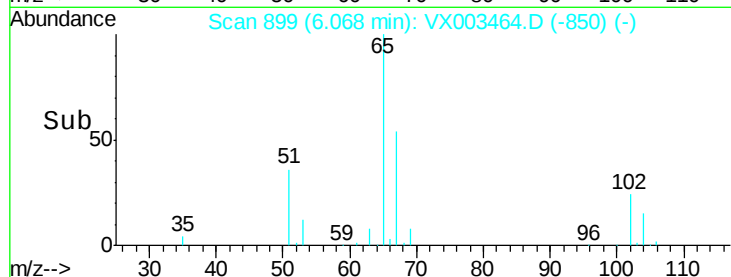
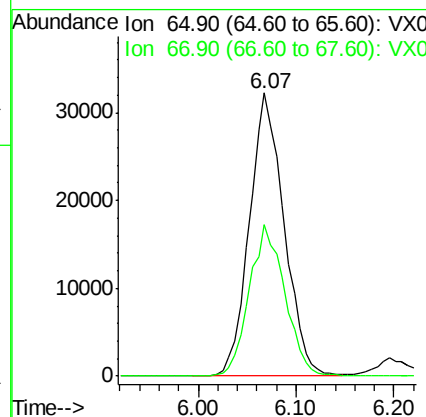
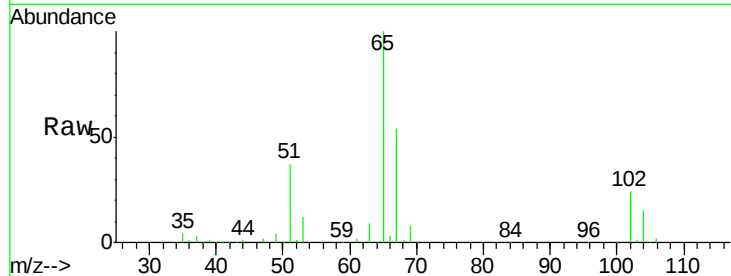
#33
 1,2-Dichloroethane-d4
 Concen: 16.14 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 79372
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 102.6

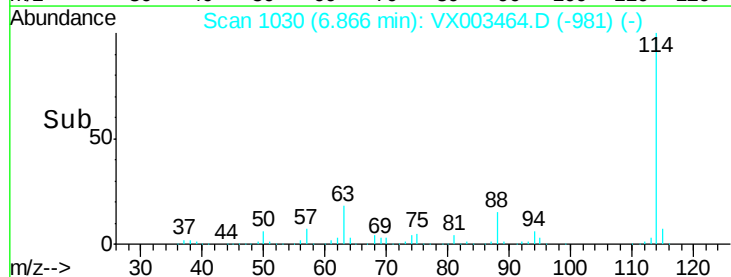
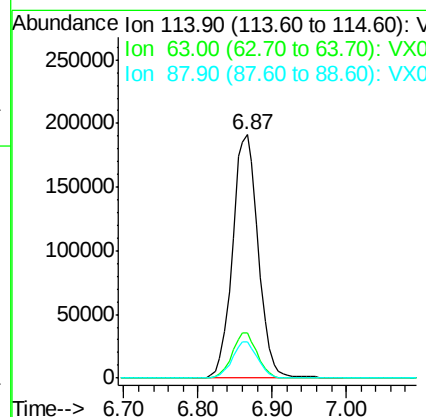
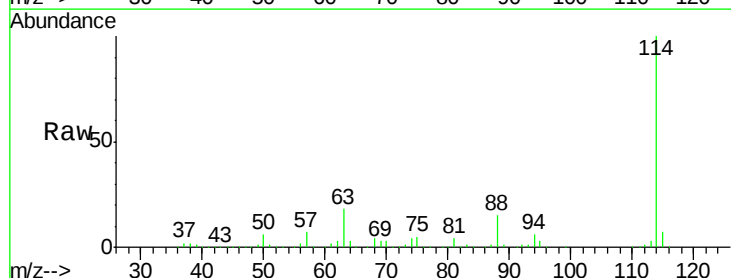
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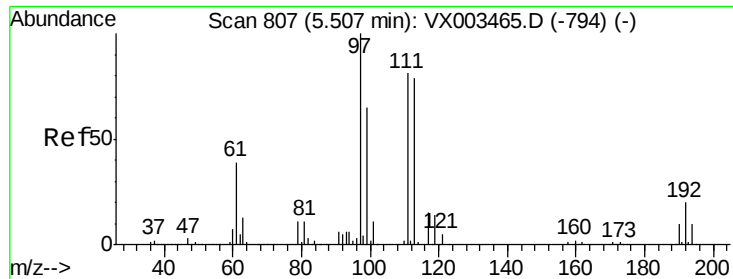
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 114 Resp: 460336
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 41.4
 88 15.0 0.0 30.0





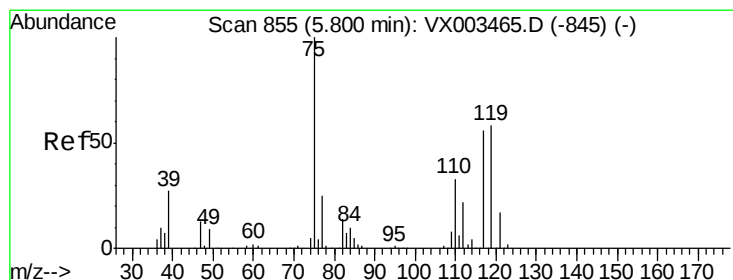
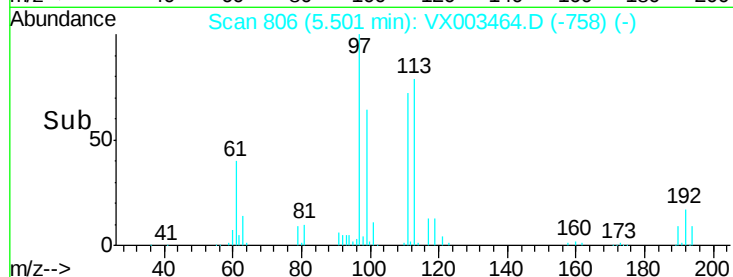
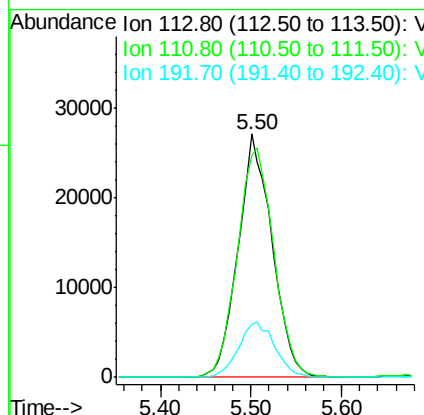
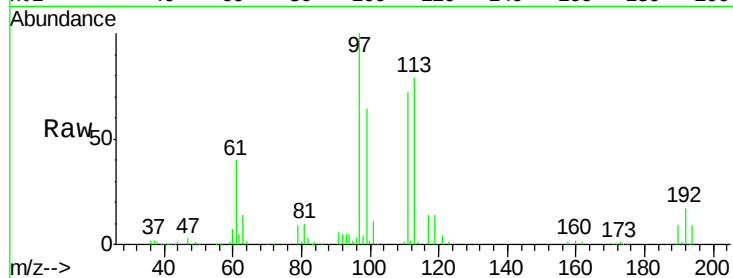
#35
Dibromofluoromethane
Concen: 19.09 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	70151		
111	101.4	81.4	122.0	
192	24.3	19.1	28.7	

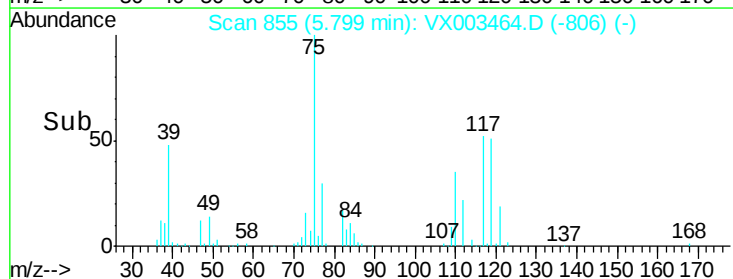
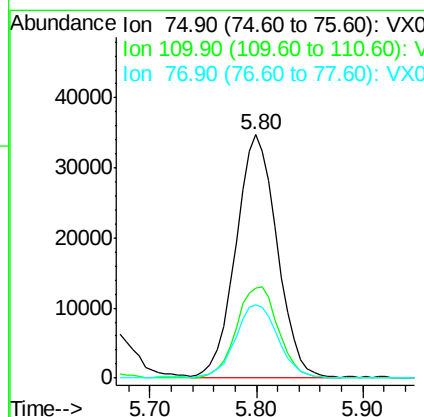
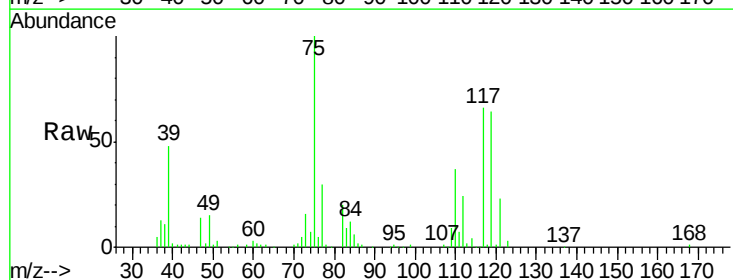
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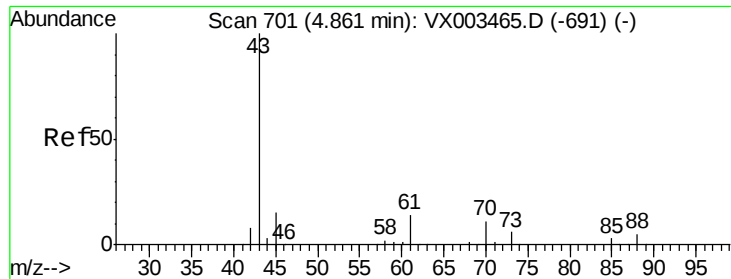
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.11 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93453		
110	38.7	18.1	54.4	
77	31.2	24.3	36.5	





#37

Ethyl Acetate

Concen: 16.67 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

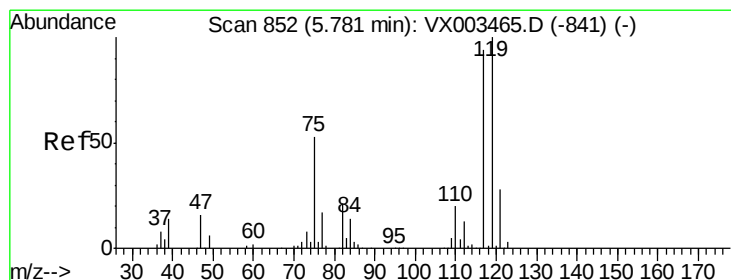
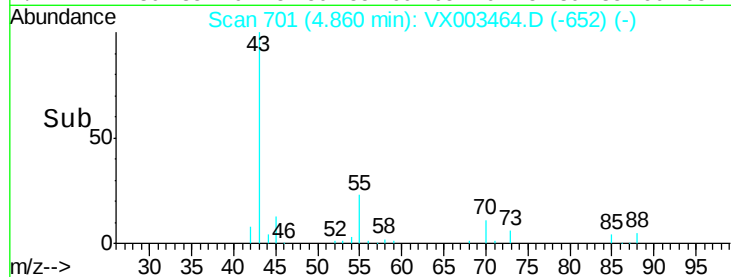
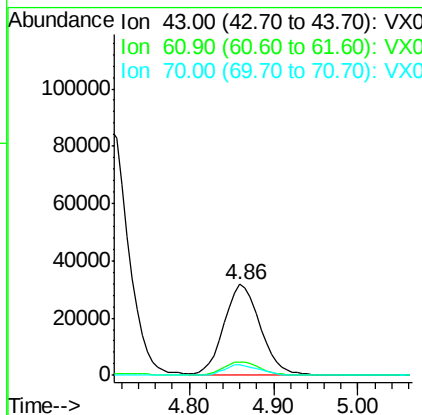
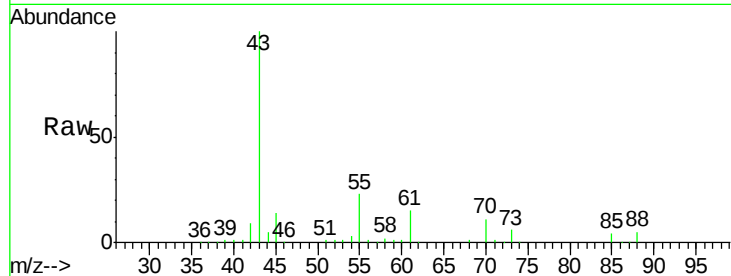
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	92222
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.4	15.6
70	11.4	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.42 ug/l

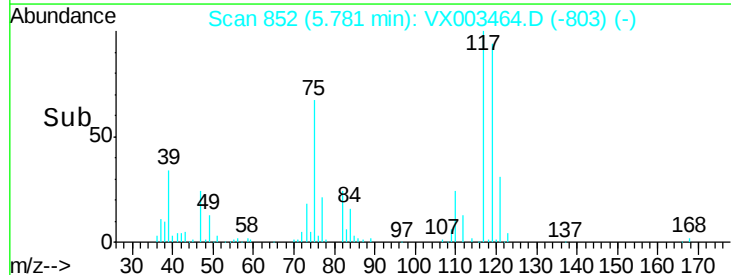
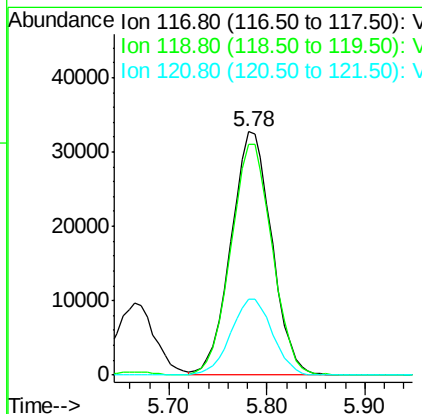
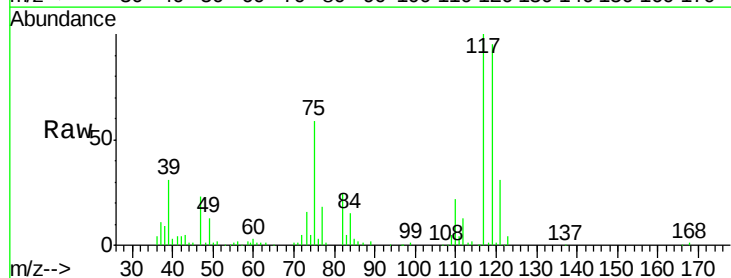
RT: 5.78 min Scan# 852

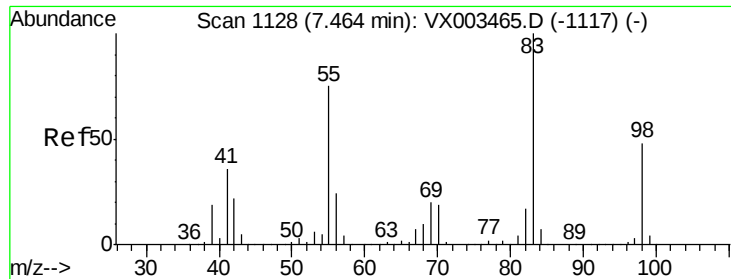
Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion:	117	Resp:	94555
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.0
121	31.3	24.4	36.6





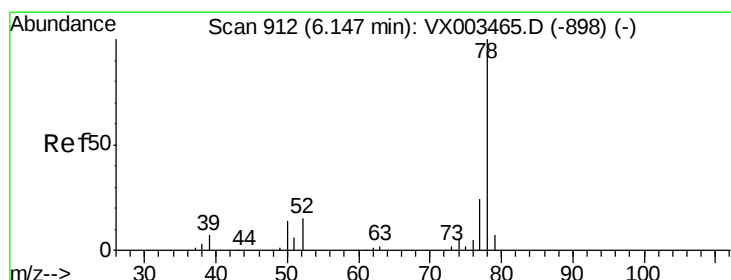
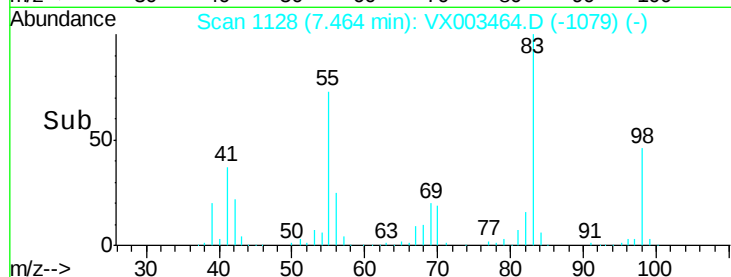
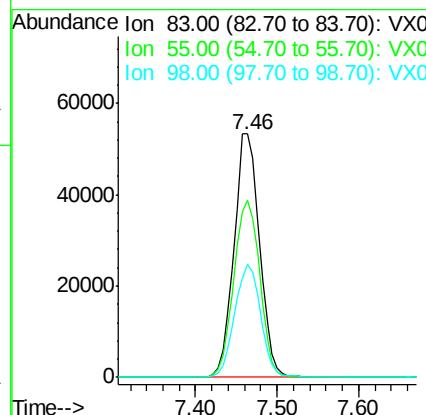
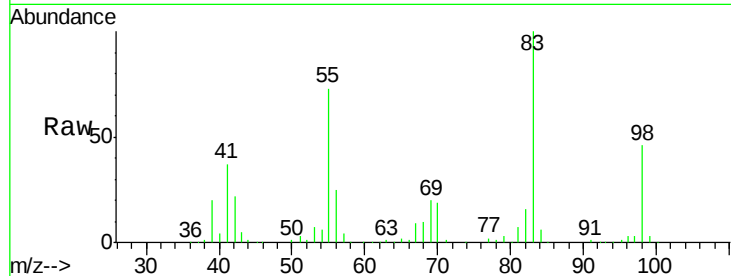
#39
Methvlcvclohexane
Concen: 20.05 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.9	65.4	98.0	
98	46.3	37.4	56.0	

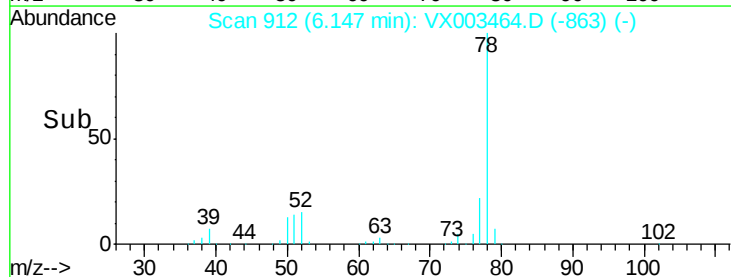
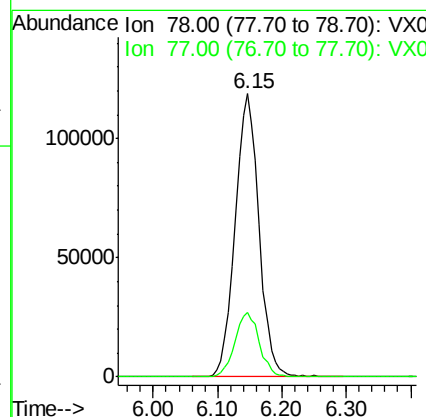
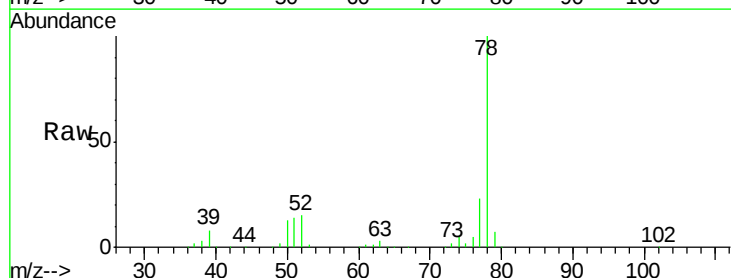
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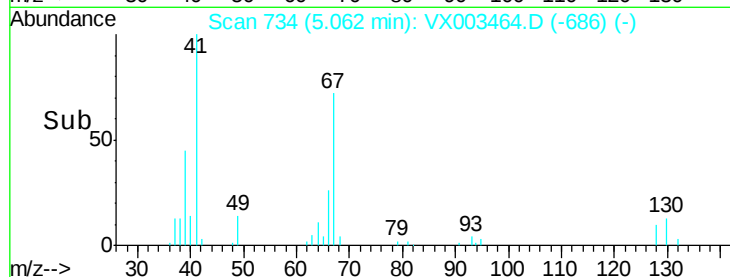
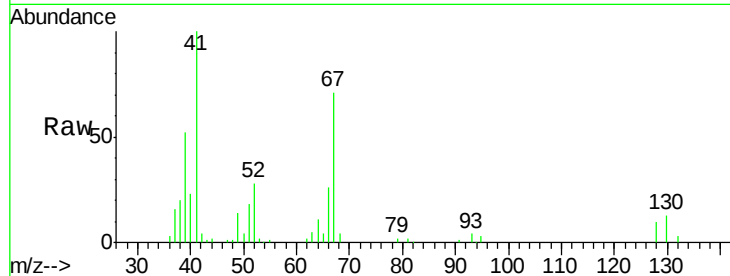
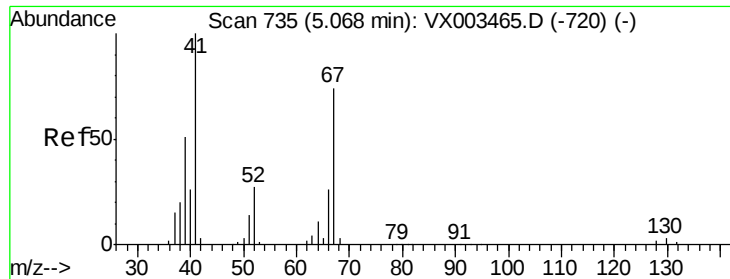
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#40
Benzene
Concen: 21.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	19.1	28.7	





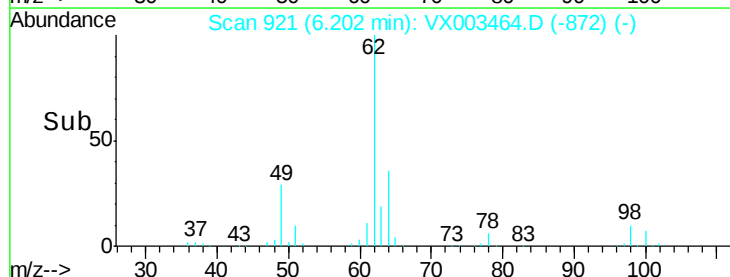
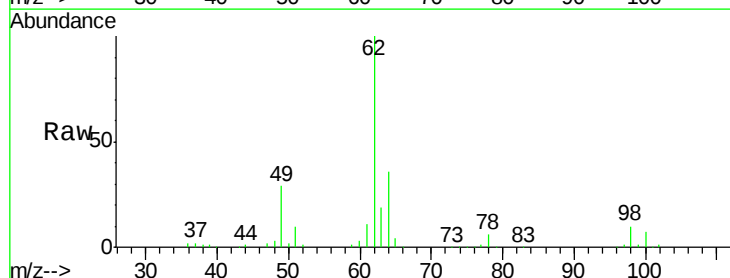
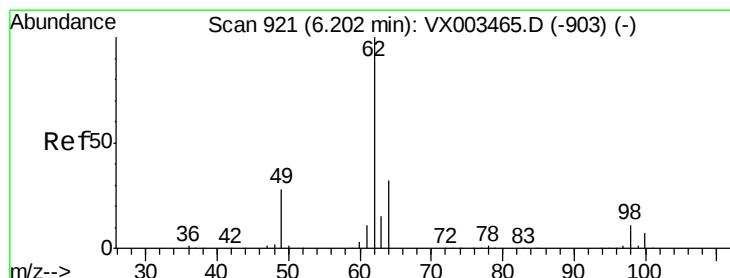
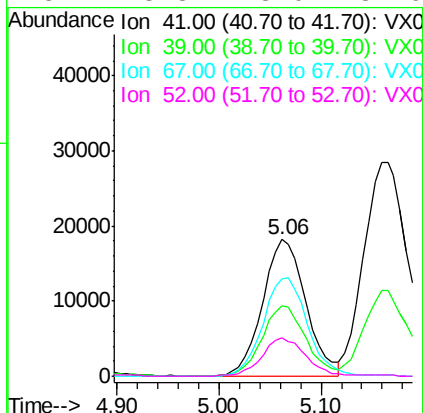
#41
Methacrylonitrile
Concen: 17.18 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	45.8	68.6	
67	74.2	51.3	76.9	
52	28.8	23.0	34.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

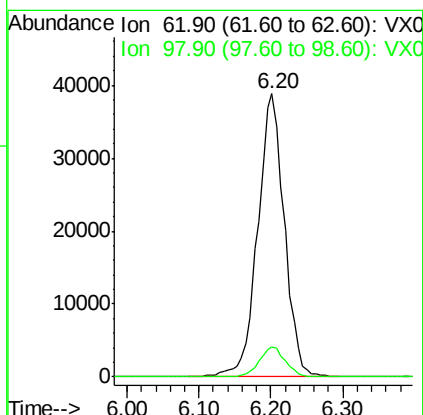
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 17.57 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	16.6	





#43

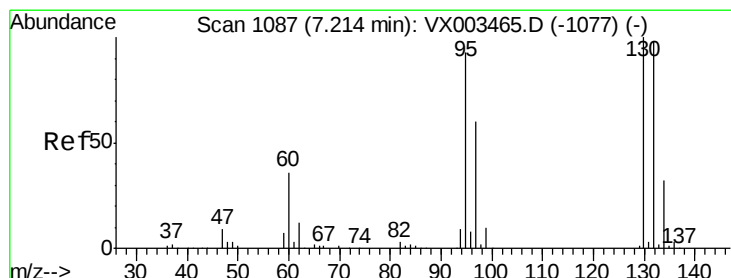
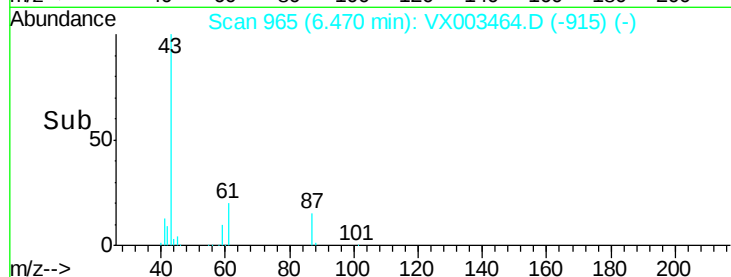
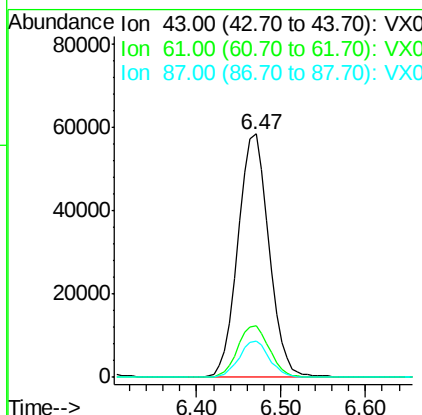
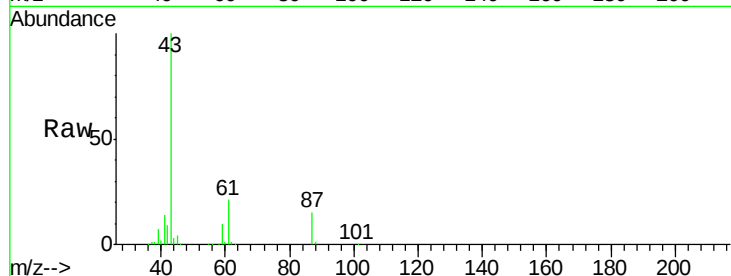
Isopropyl Acetate
 Concen: 15.84 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	14.4	21.6#
87	14.6	9.5	14.3#

Manual Integrations
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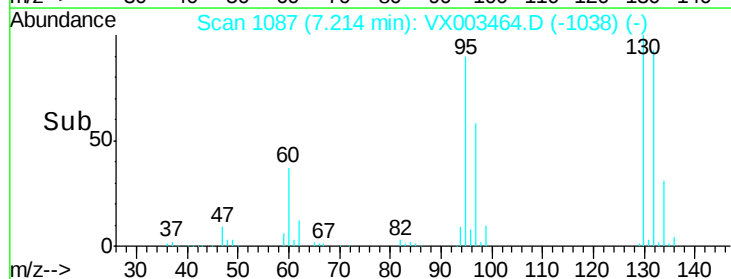
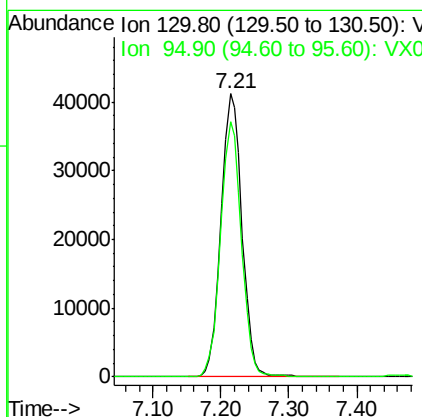
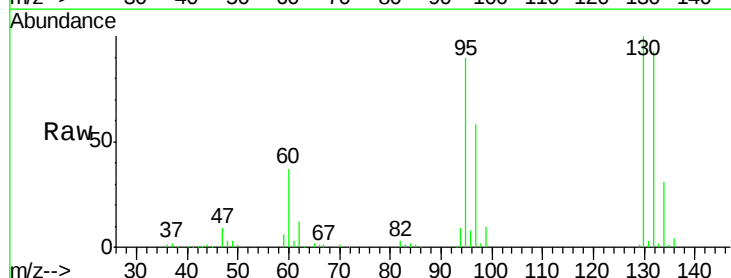
MMDadoda
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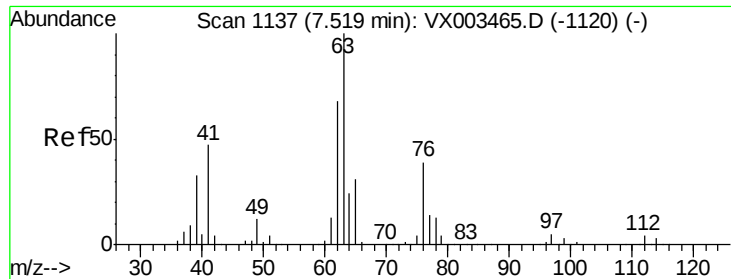


#44

Trichloroethene
 Concen: 20.92 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.39 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 74808

Ion Ratio Lower Upper

63 100

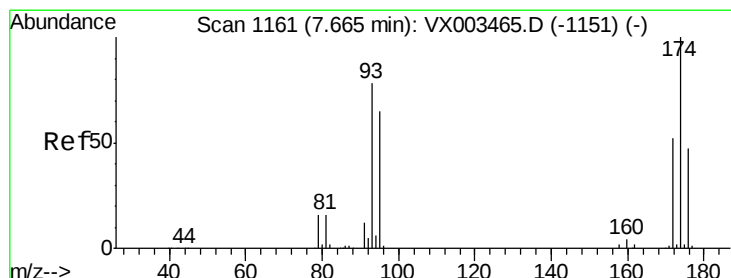
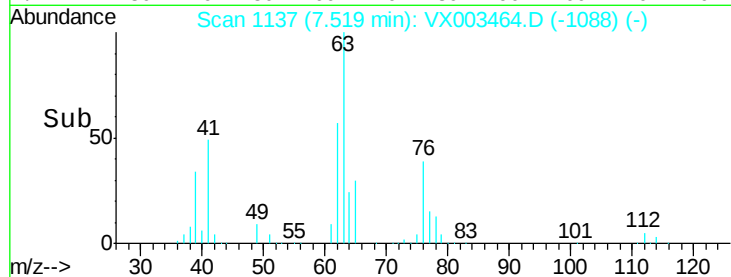
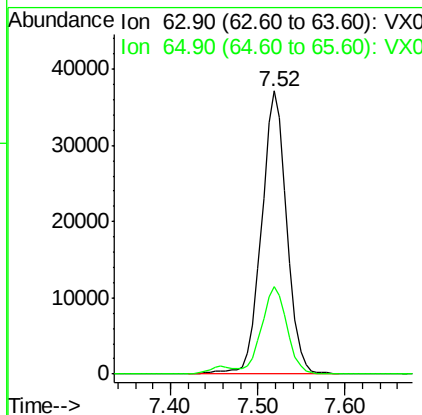
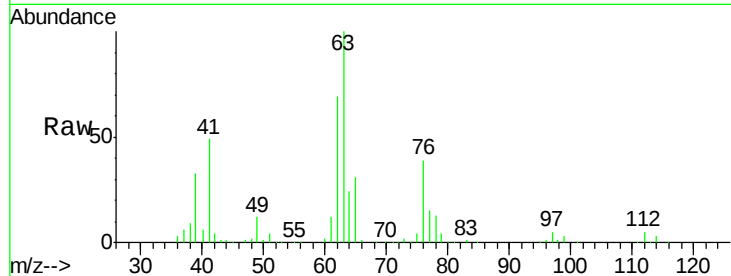
65 31.0 24.7 37.1

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#46

Dibromomethane

Concen: 18.87 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

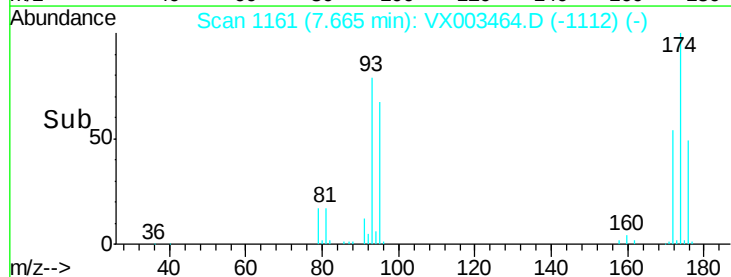
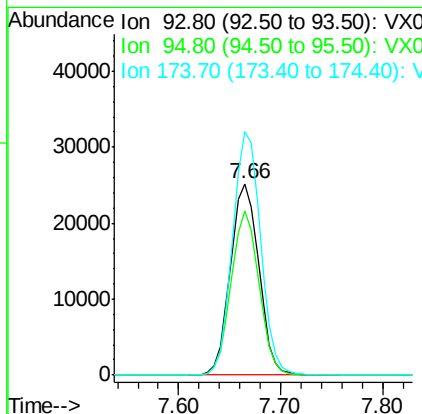
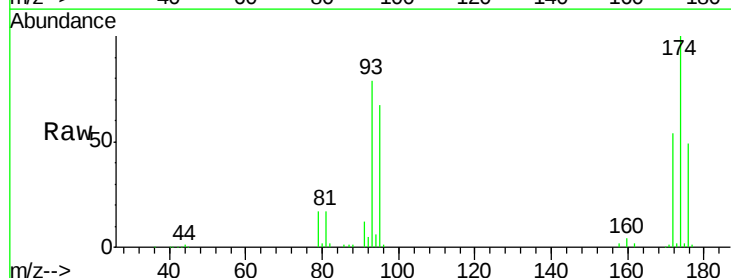
Tgt Ion: 93 Resp: 48696

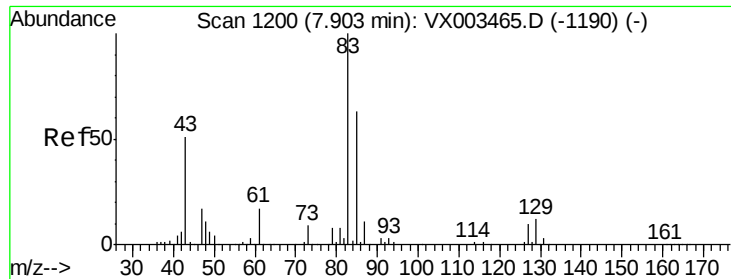
Ion Ratio Lower Upper

93 100

95 84.1 65.9 98.9

174 125.4 92.4 138.6





#47

Bromodichloromethane

Concen: 19.40 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

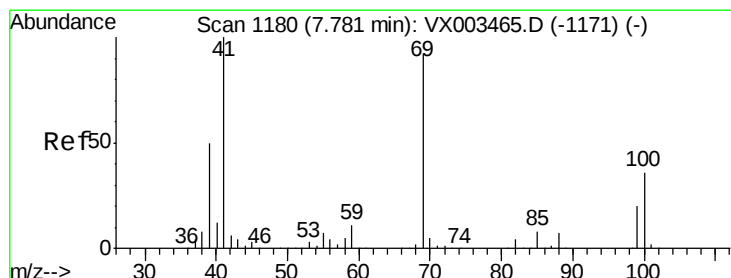
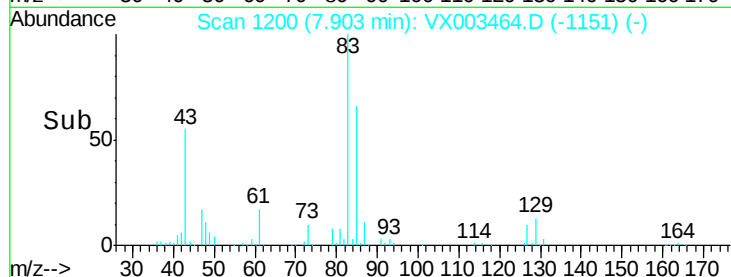
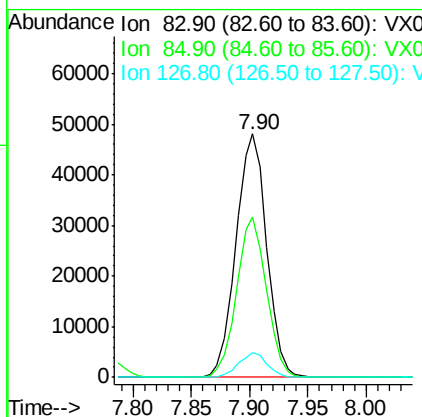
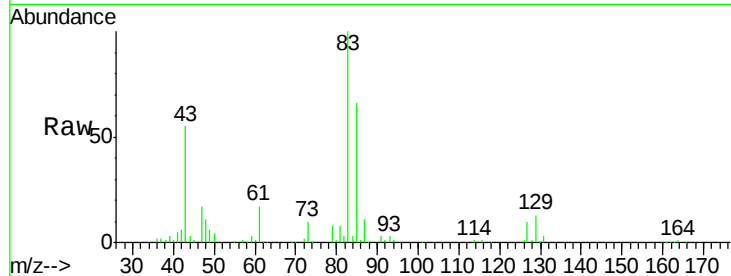
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	88319
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.3	75.5
127	10.0	7.0	10.4

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#48

Methyl methacrylate

Concen: 15.82 ug/l

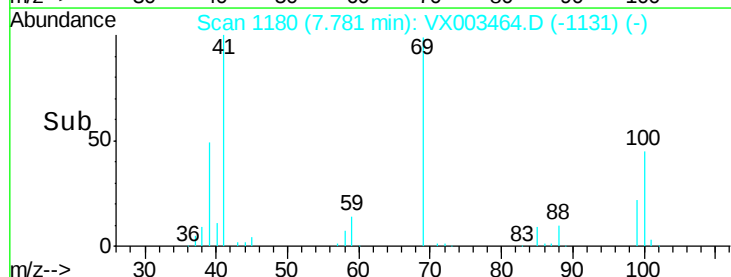
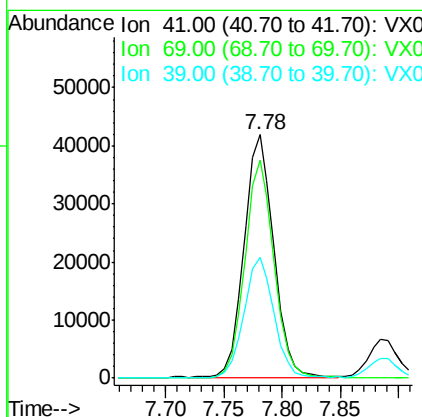
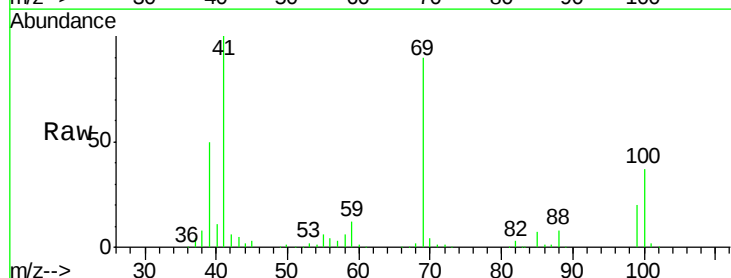
RT: 7.78 min Scan# 1180

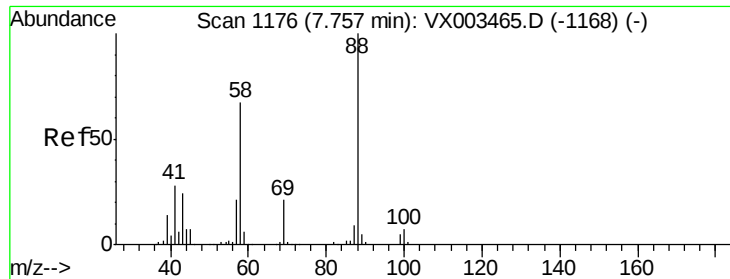
Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion:	41	Resp:	74103
Ion	Ratio	Lower	Upper
41	100		
69	89.3	59.1	88.7#
39	50.2	48.9	73.3





#49

1,4-Dioxane

Concen: 381.86 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

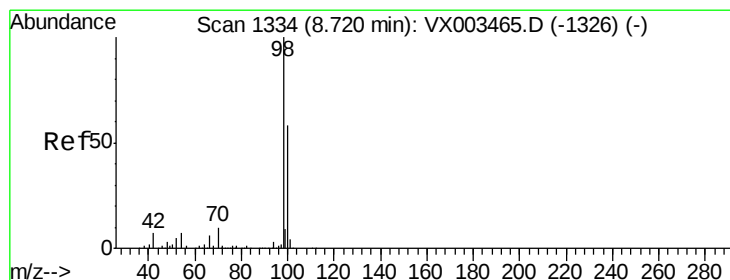
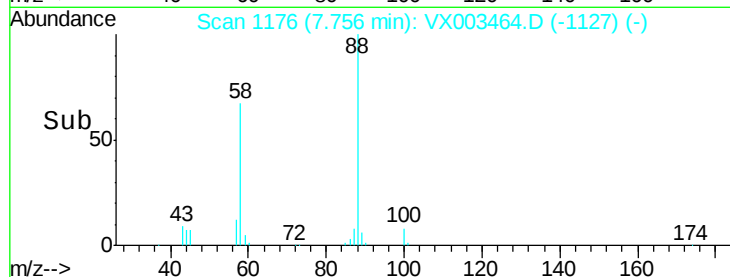
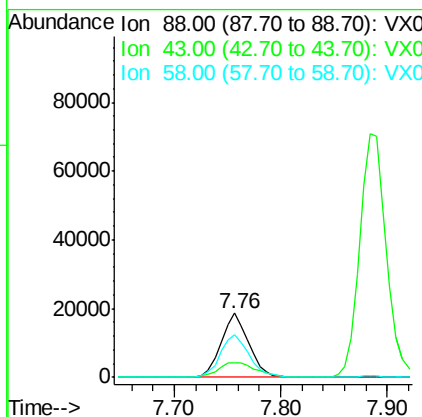
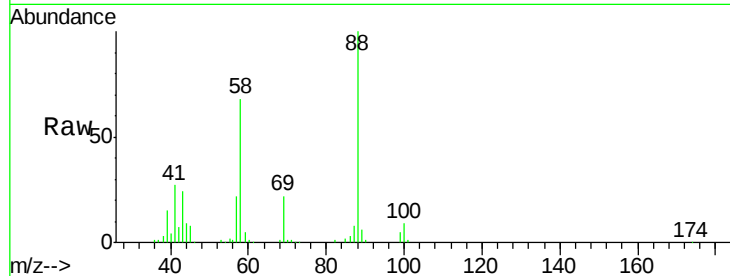
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	33881
Ion	Ratio	Lower	Upper
88	100		
43	30.7	29.8	44.6
58	70.6	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 18.84 ug/l

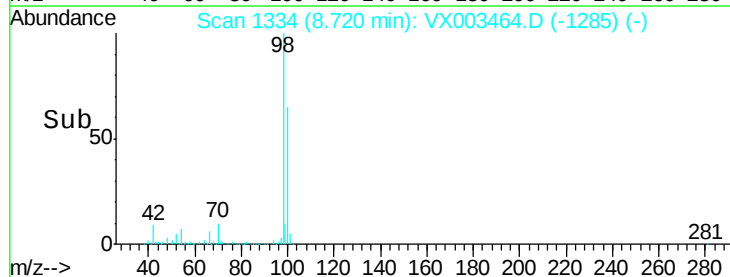
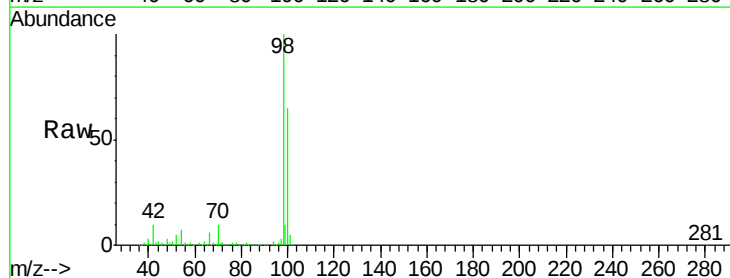
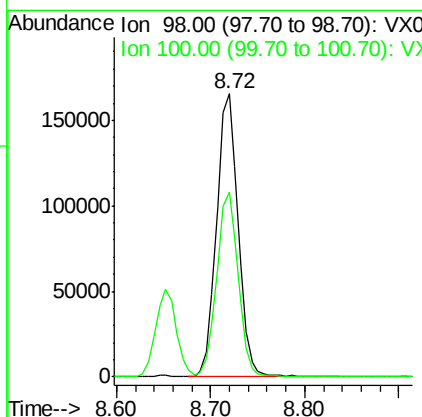
RT: 8.72 min Scan# 1334

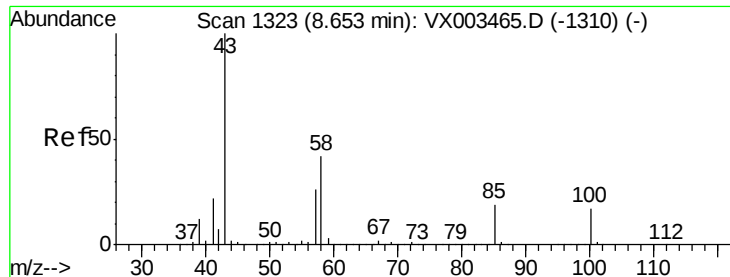
Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion:	98	Resp:	262854
Ion	Ratio	Lower	Upper
98	100		
100	65.5	50.9	76.3





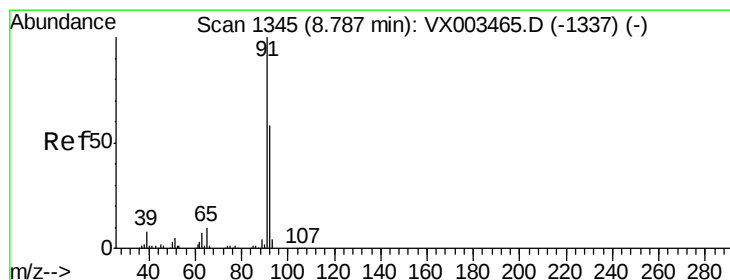
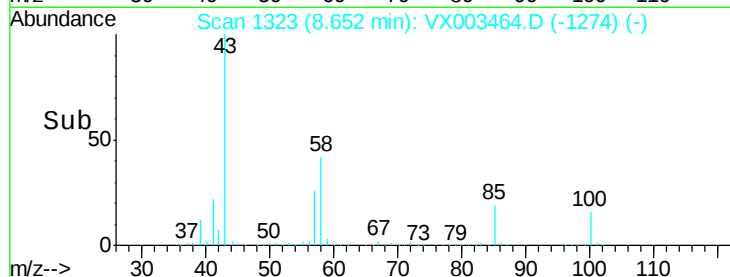
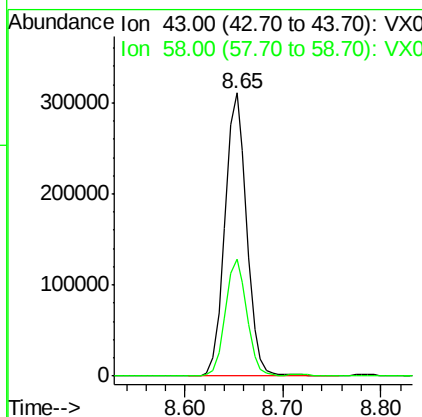
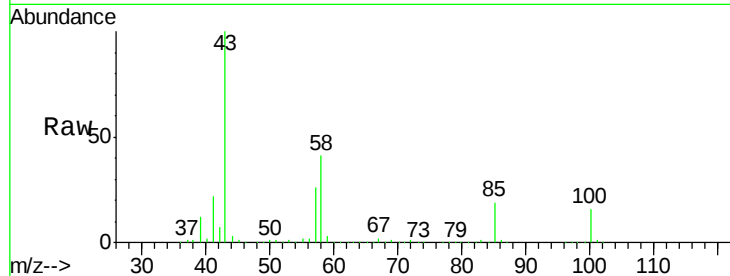
#51
4-Methyl-2-Pentanone
Concen: 81.39 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	28.6	42.8

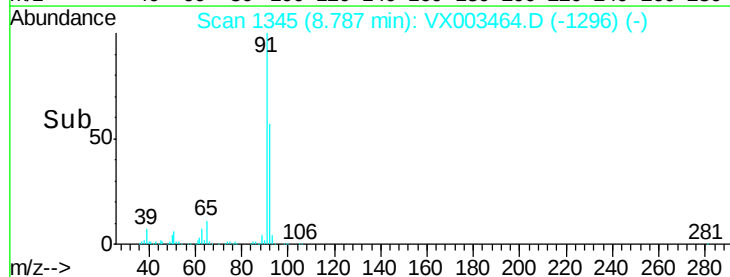
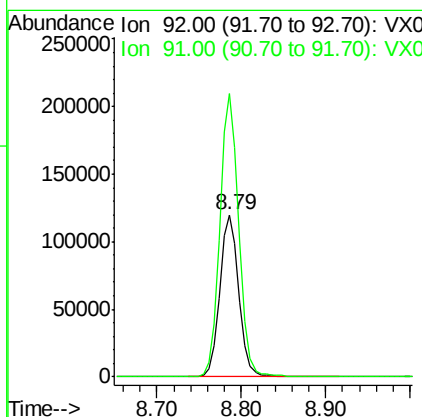
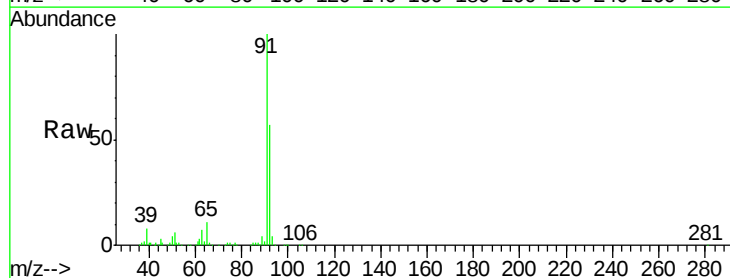
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#52
Toluene
Concen: 19.95 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	140.4	210.6





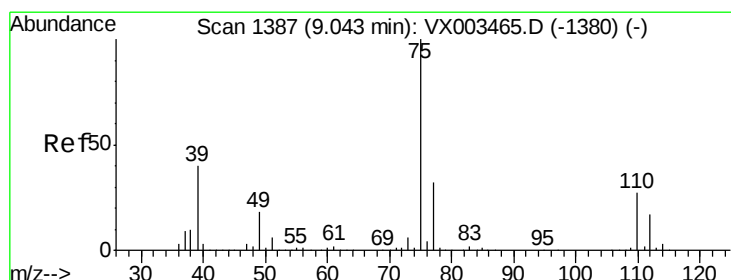
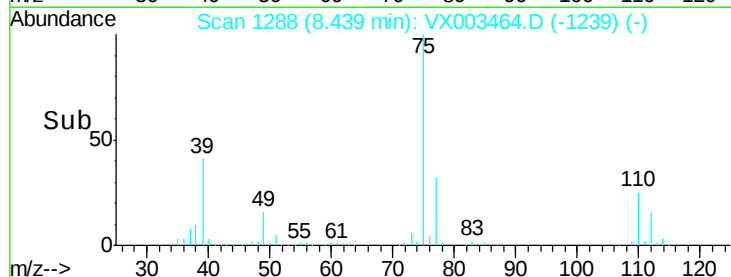
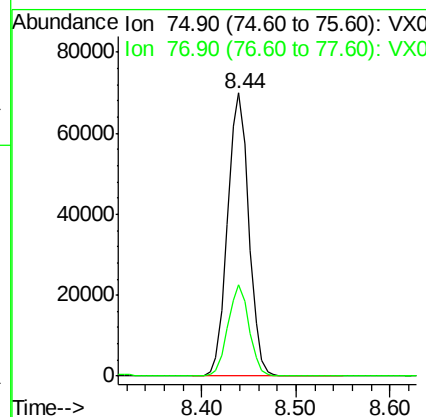
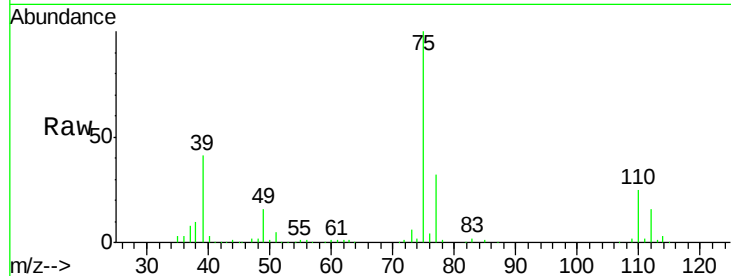
#53
t-1,3-Dichloropropene
Concen: 20.46 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	109594		
77	32.2		25.4	38.2

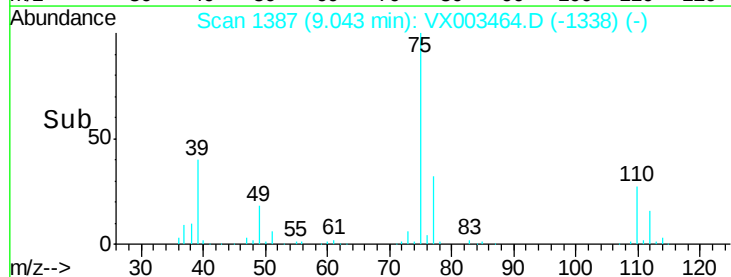
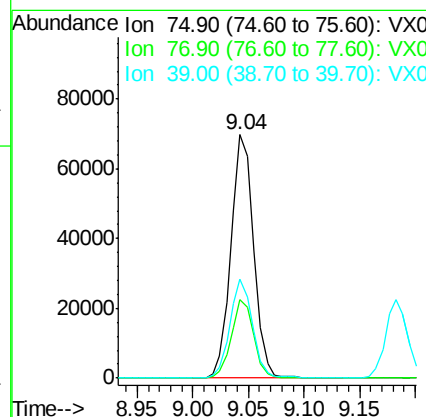
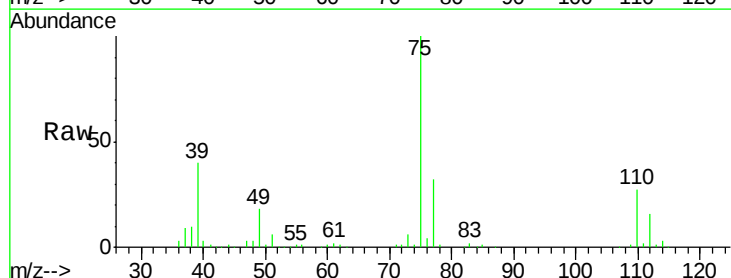
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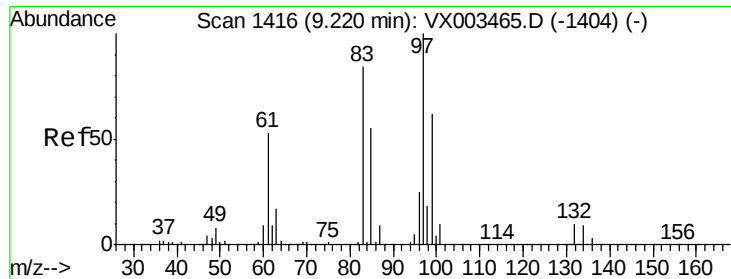
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#54
cis-1,3-Dichloropropene
Concen: 19.81 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98294		
77	32.0		24.8	37.2
39	40.3		42.4	63.6#





#55

1,1,2-Trichloroethane

Concen: 19.92 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 75255

Ion Ratio Lower Upper

97 100

83 83.5 70.2 105.2

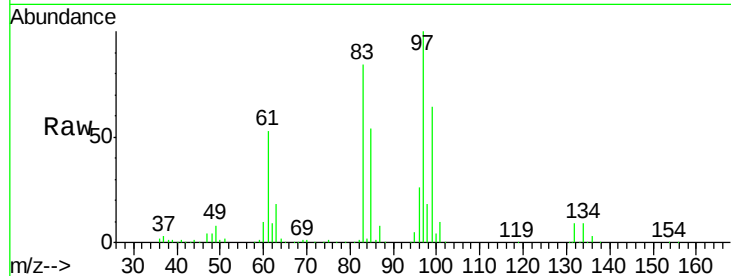
85 54.5 44.9 67.3

99 64.2 49.8 74.8

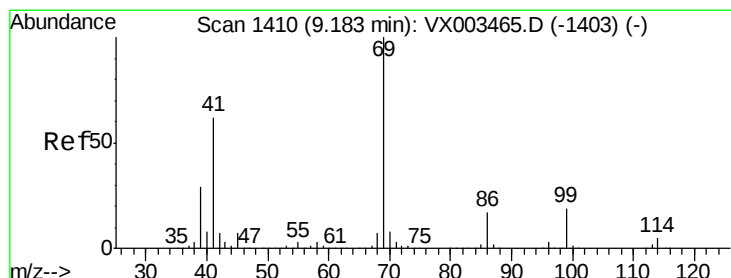
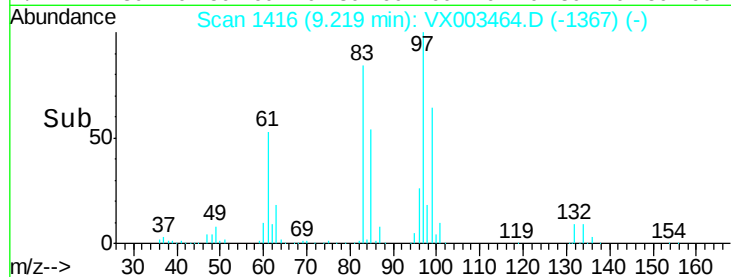
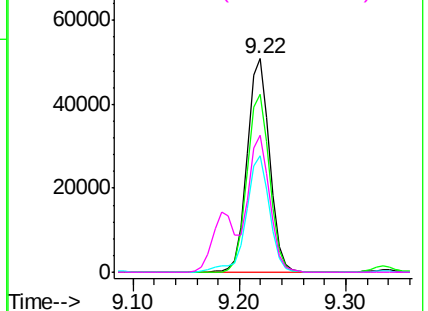
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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.17 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

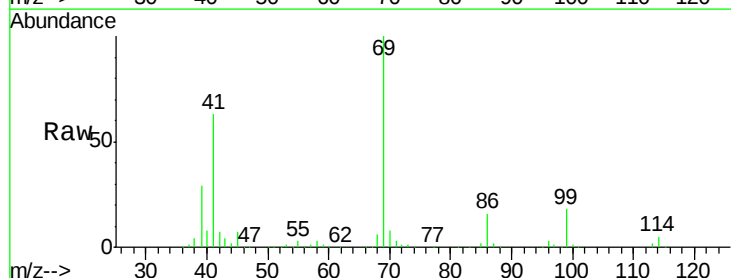
Tgt Ion: 69 Resp: 105631

Ion Ratio Lower Upper

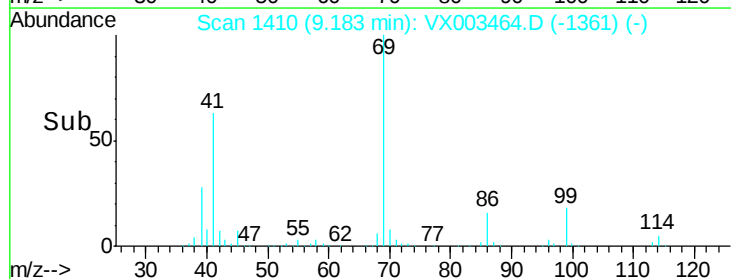
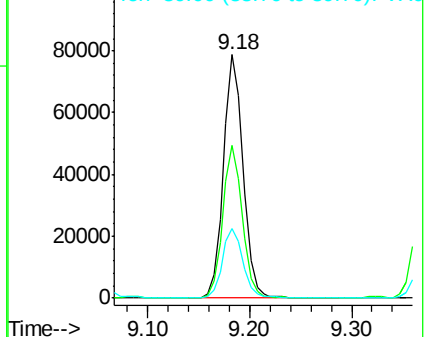
69 100

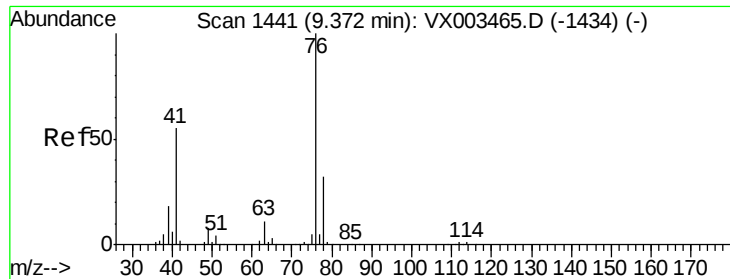
41 62.4 60.3 90.5

39 30.0 35.8 53.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





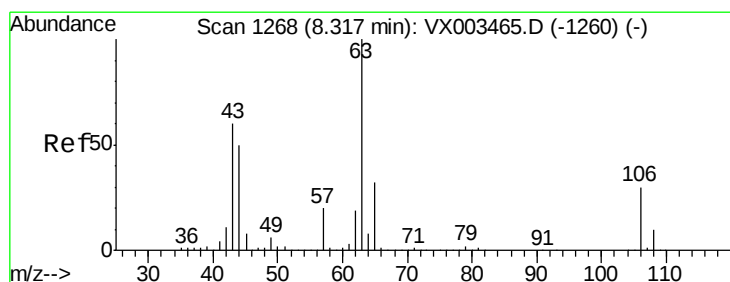
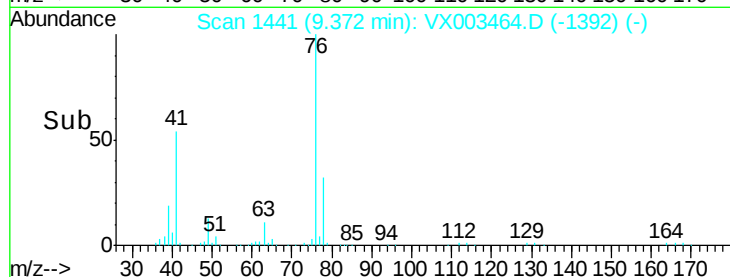
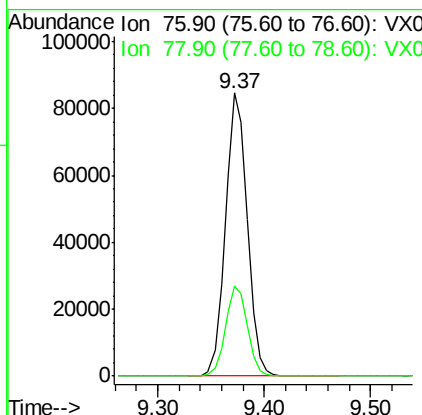
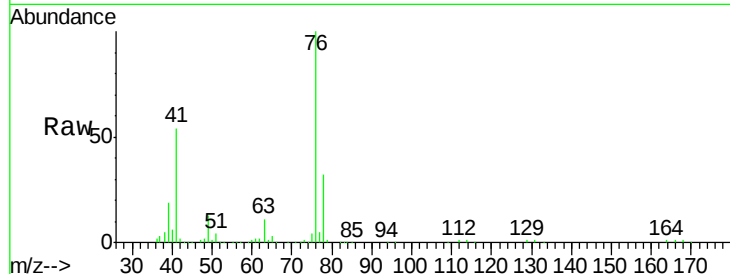
#57
 1,3-Dichloropropane
 Concen: 18.97 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

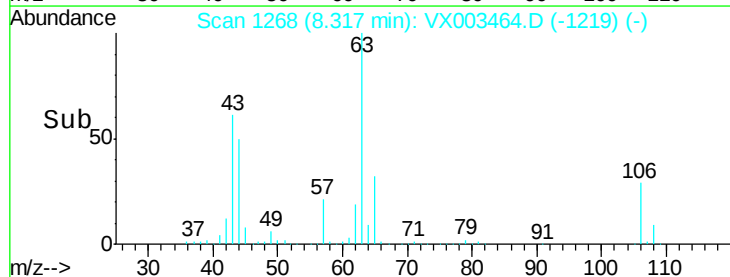
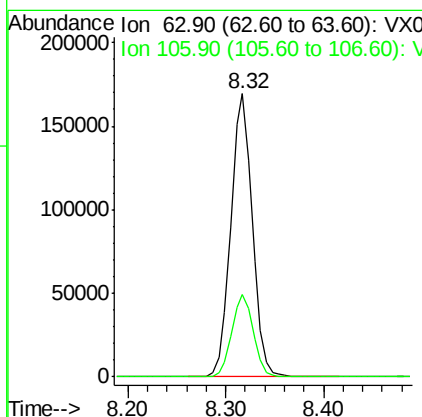
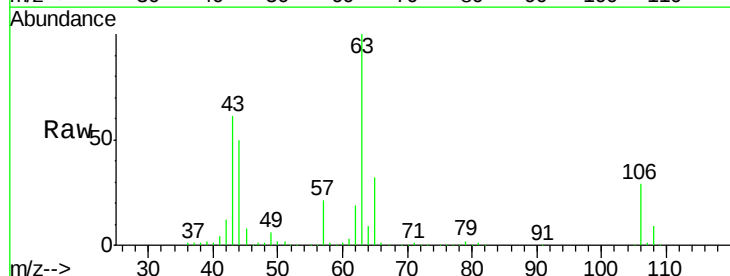
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#58
 2-Chloroethyl Vinyl ether
 Concen: 91.76 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	21.8	32.8





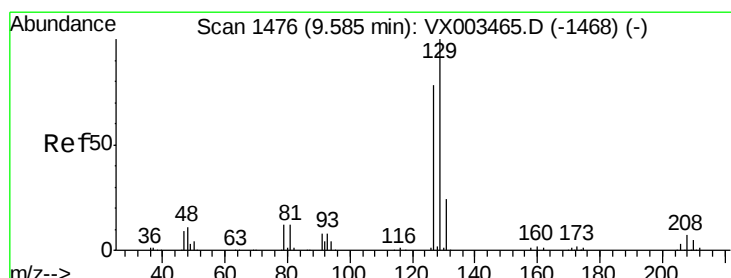
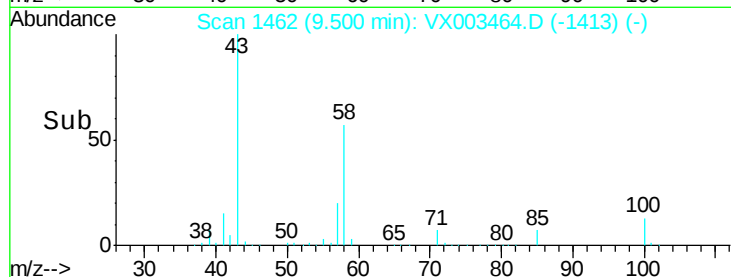
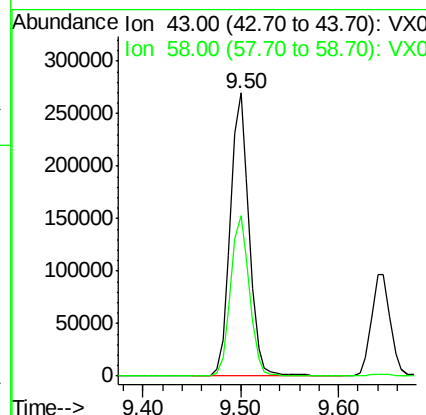
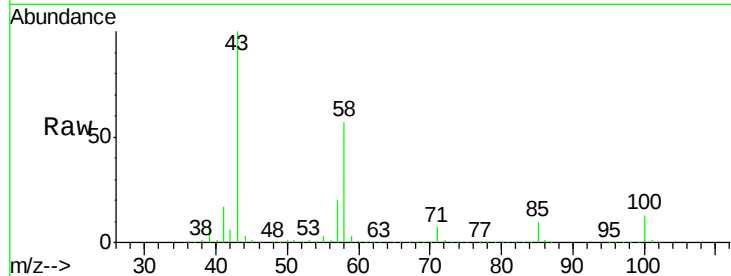
#59
2-Hexanone
Concen: 80.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 358519
Ion Ratio Lower Upper
43 100
58 57.4 24.6 73.6

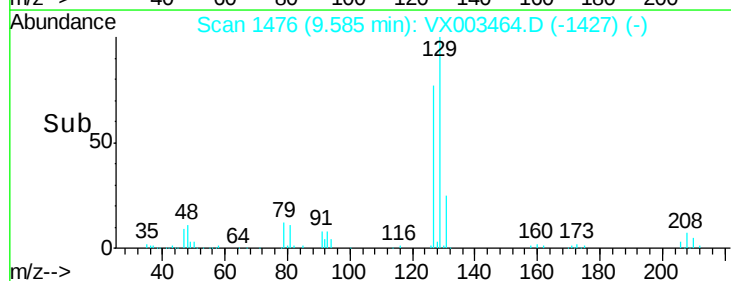
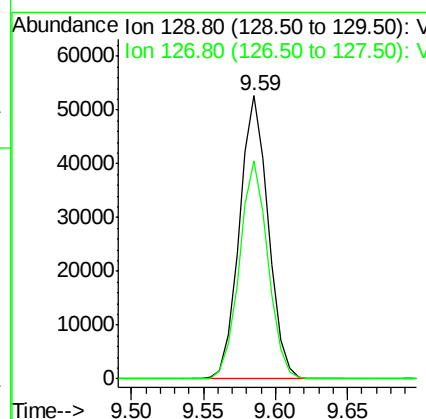
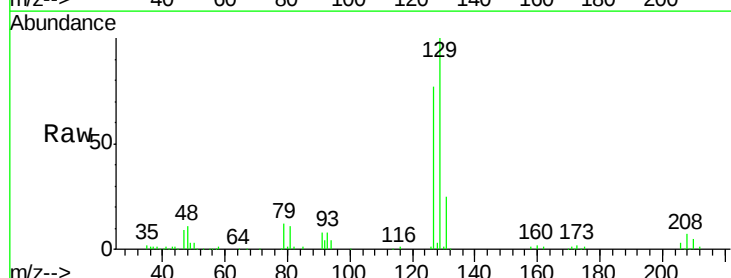
Manual Integrations
APPROVED

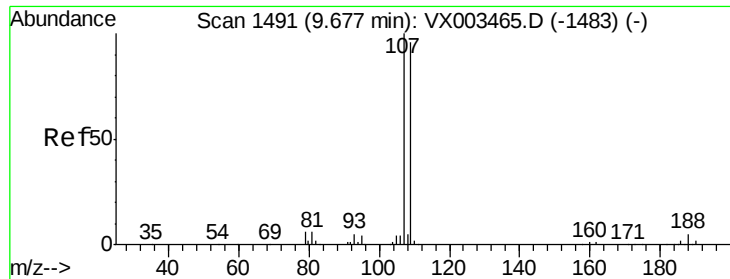
MMDadoda
7/20/2018 5:22:07 PM



#60
Dibromochloromethane
Concen: 20.12 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion: 129 Resp: 73399
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.3





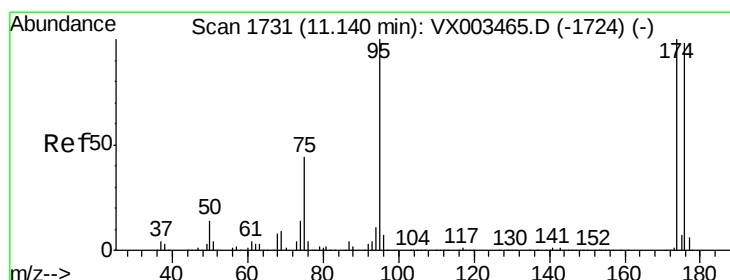
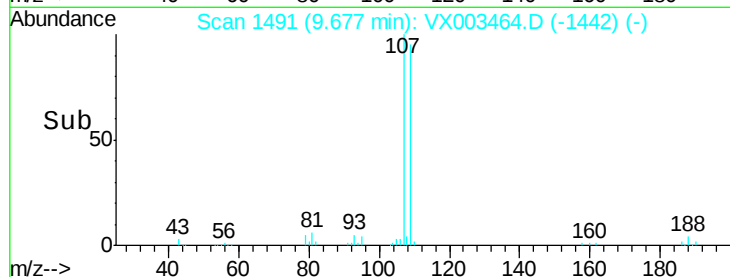
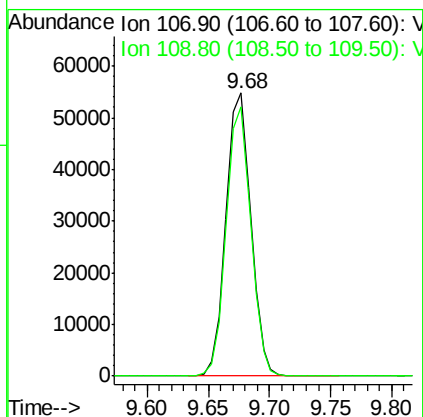
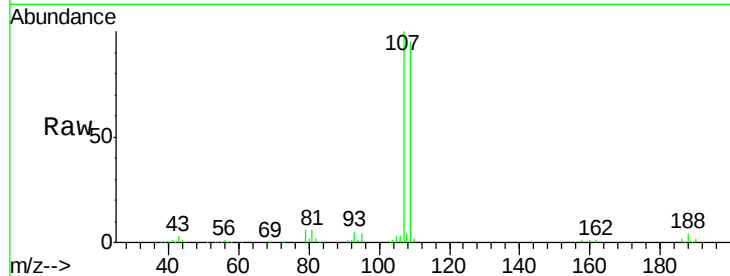
#61
 1,2-Dibromoethane
 Concen: 19.79 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 77432
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.3 112.9

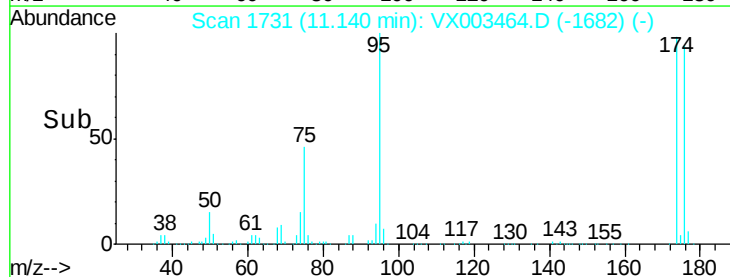
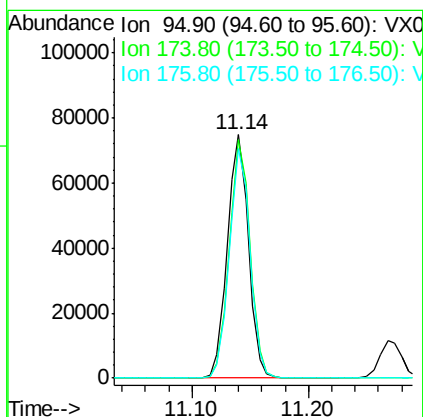
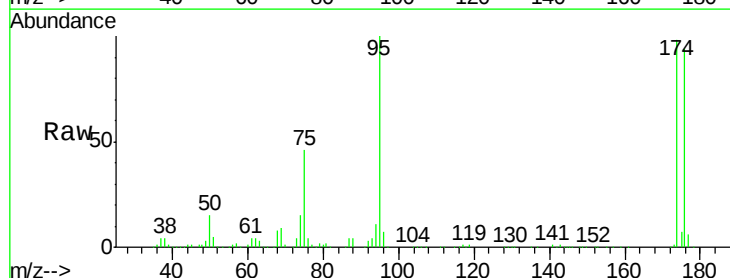
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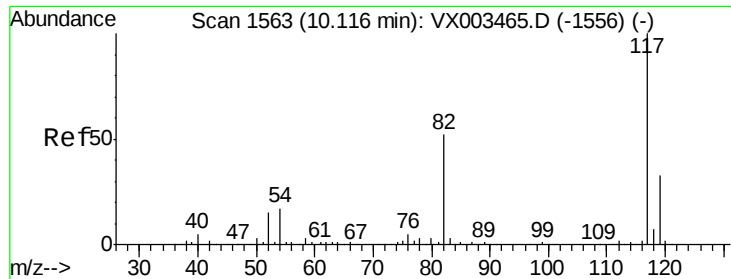
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 17.79 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion: 95 Resp: 94037
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 187.4
 176 93.4 0.0 181.0





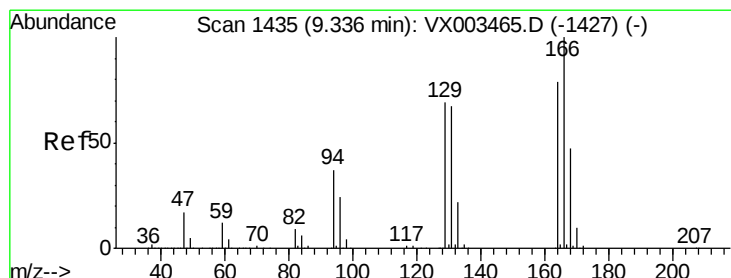
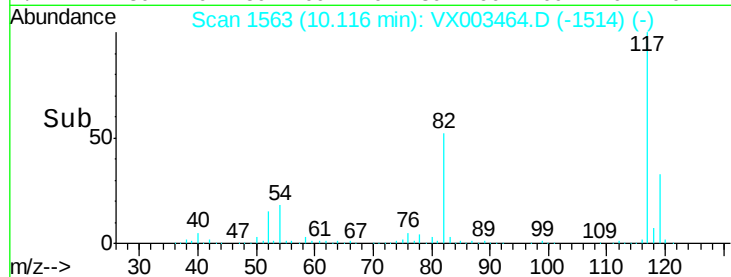
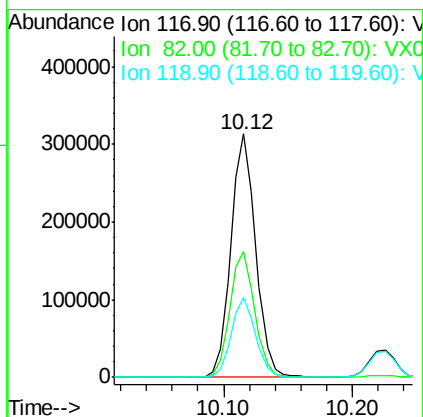
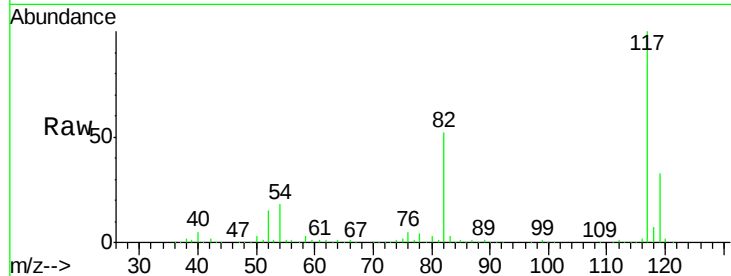
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.0	67.4
119	32.6	25.8	38.6

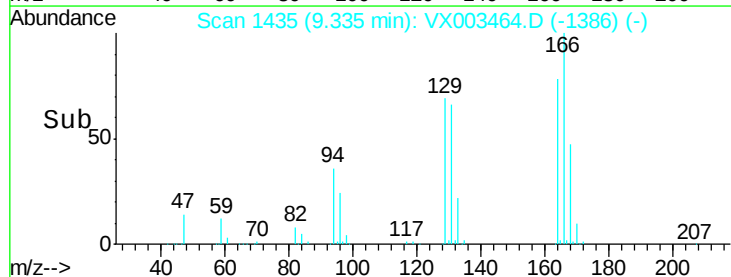
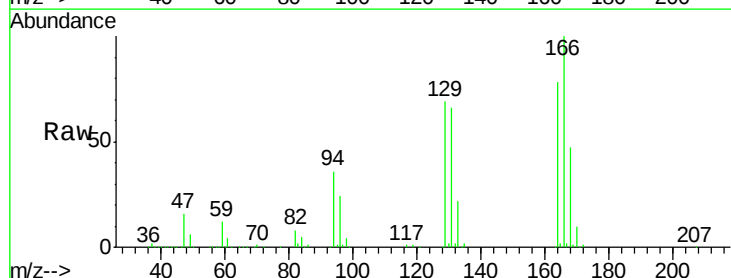
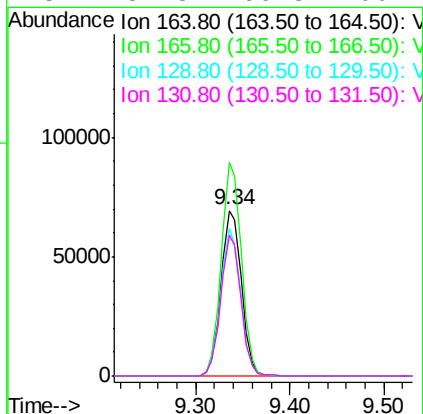
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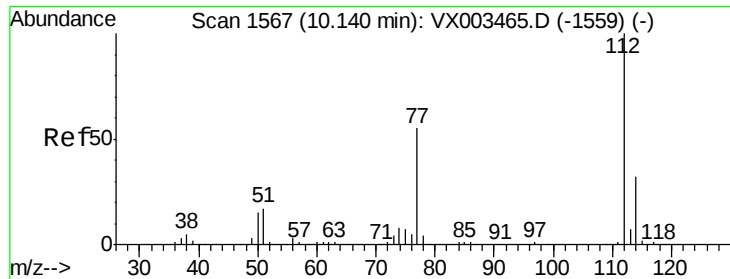
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#64
Tetrachloroethene
Concen: 22.28 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.9	154.3
129	89.2	68.6	102.8
131	84.8	66.8	100.2





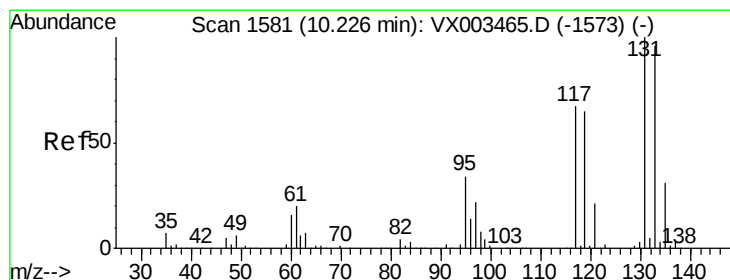
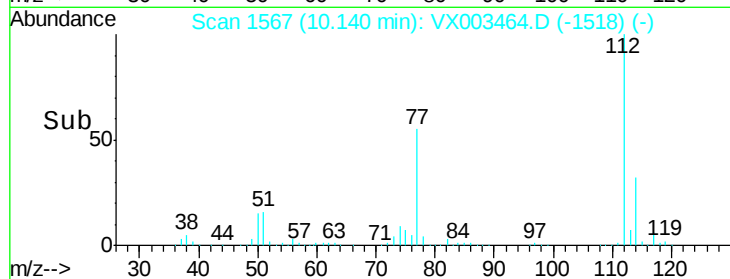
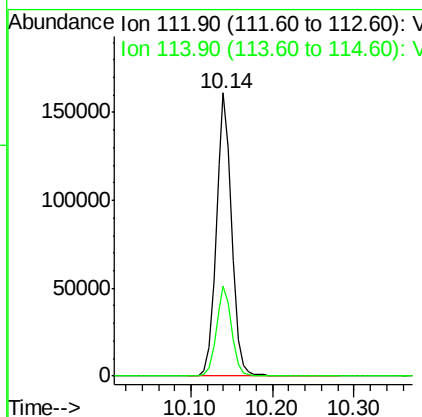
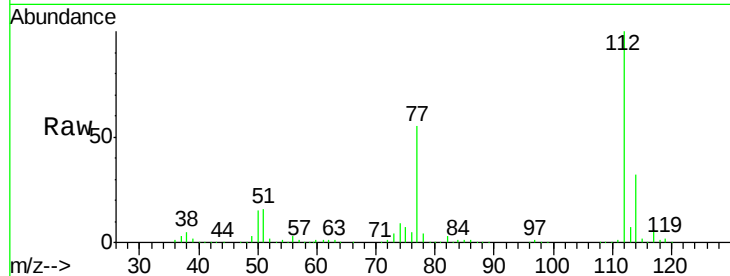
#65
Chlorobenzene
Concen: 20.73 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 214530
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

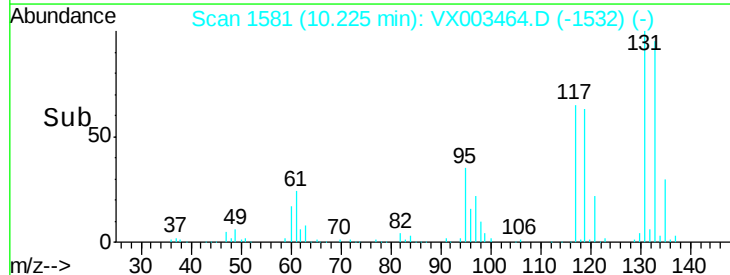
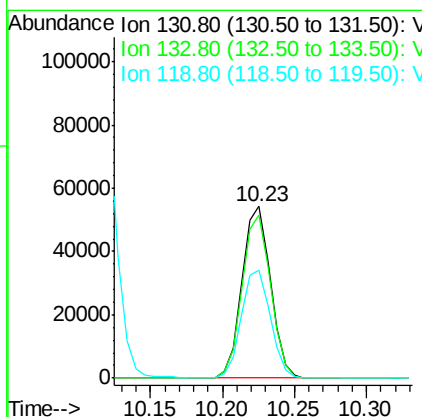
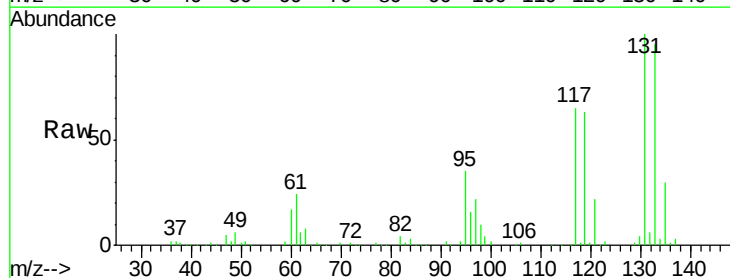
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.07 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:131 Resp: 74310
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.6
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 19.73 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 344365

Ion Ratio Lower Upper

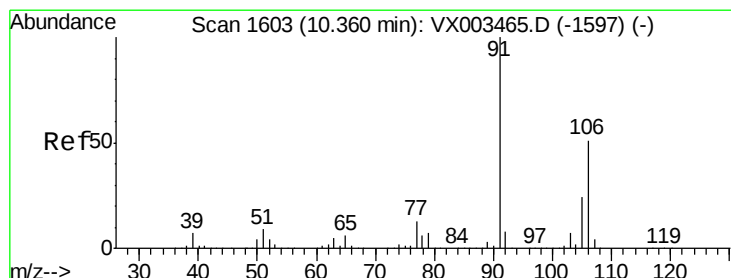
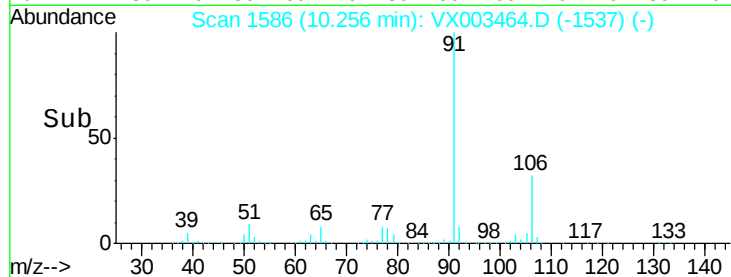
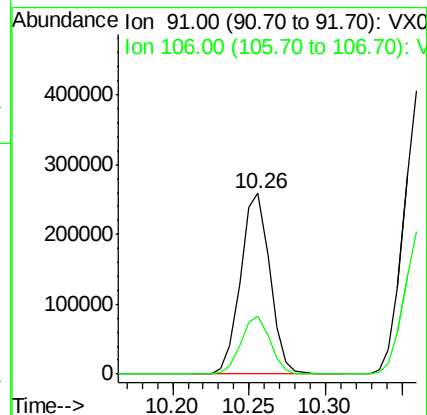
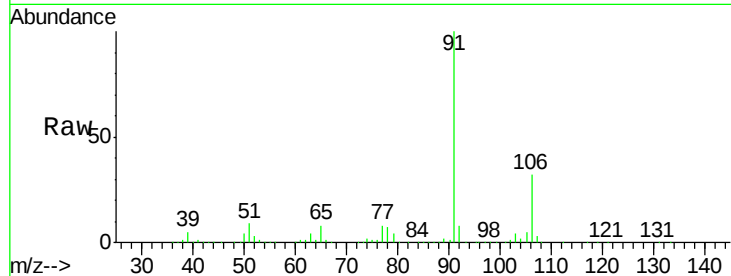
91 100

106 32.5 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.67 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003464.D

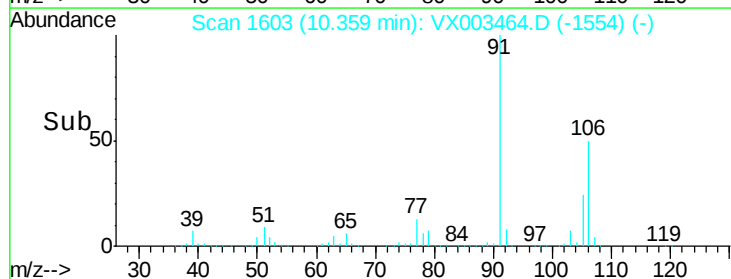
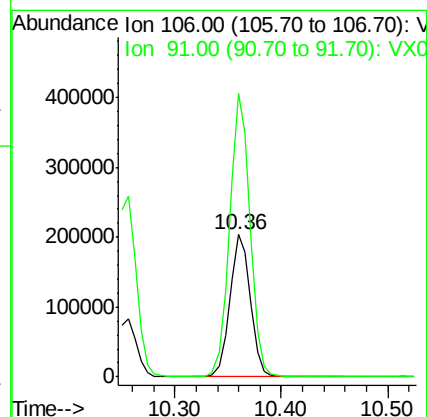
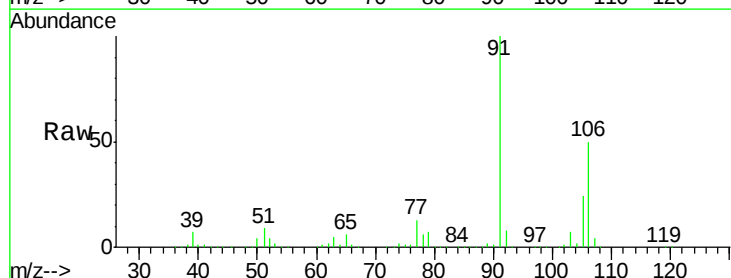
Acq: 19 Jul 2018 13:55

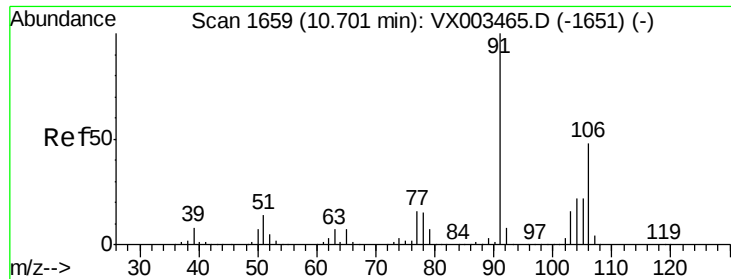
Tgt Ion: 106 Resp: 273789

Ion Ratio Lower Upper

106 100

91 197.7 163.4 245.2





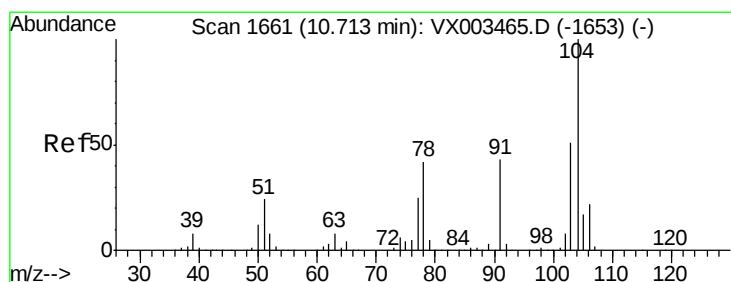
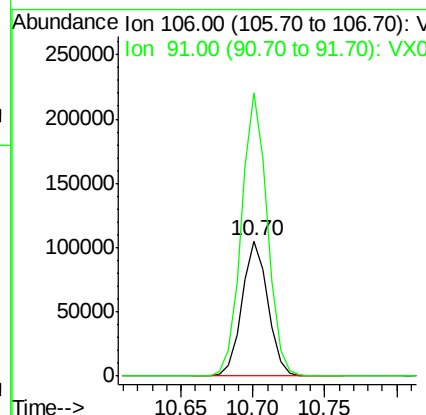
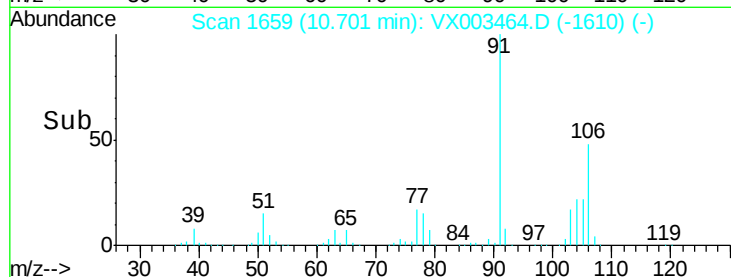
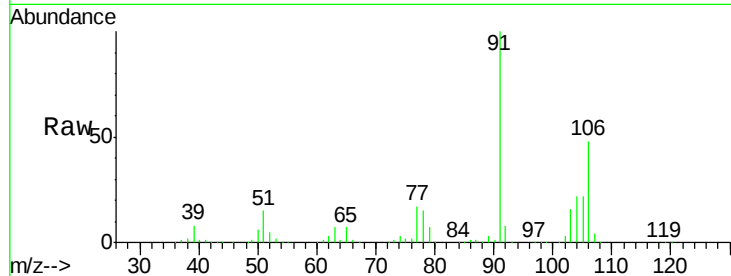
#69
o-Xylene
Concen: 19.83 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC020

Tot Ion:106 Resp: 131171
Ion Ratio Lower Upper
106 100
91 209.6 108.2 324.6

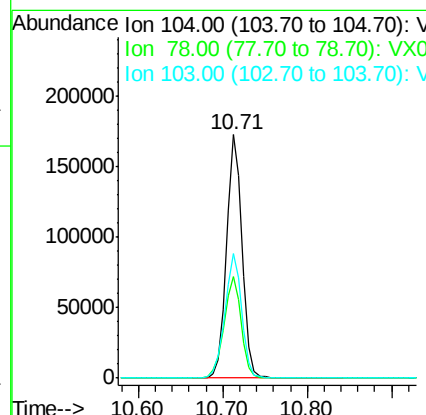
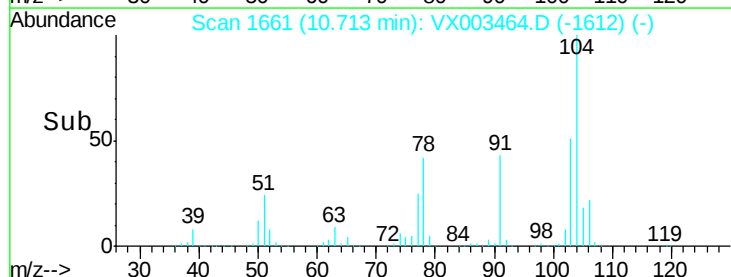
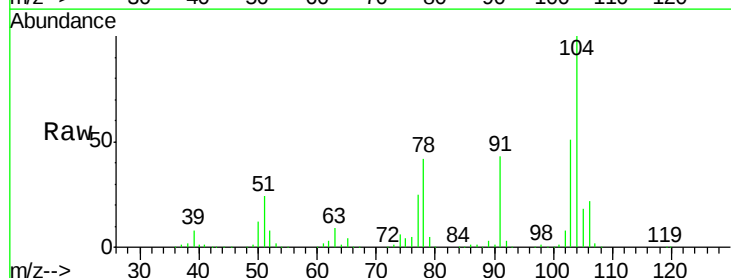
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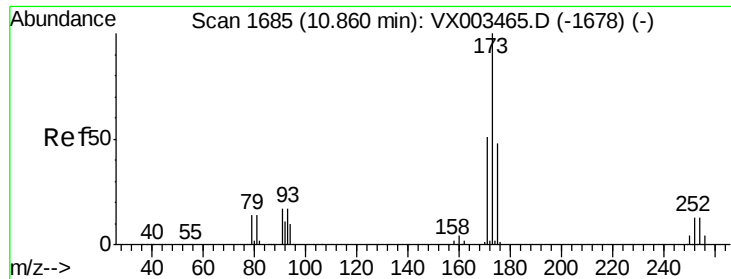
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#70
Styrene
Concen: 20.31 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion:104 Resp: 220943
Ion Ratio Lower Upper
104 100
78 46.0 41.0 61.6
103 55.4 44.2 66.4





#71

Bromoform

Concen: 21.14 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 56042

Ion Ratio Lower Upper

173 100

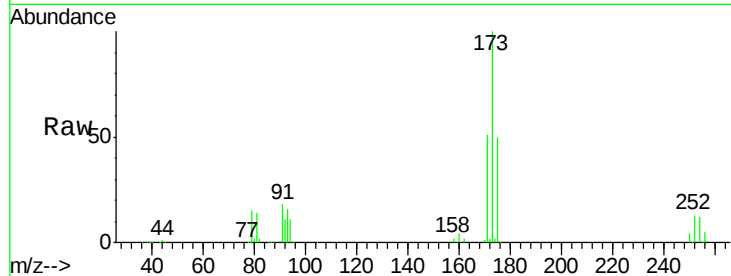
175 49.1 24.7 74.1

254 0.1 0.2 0.2#

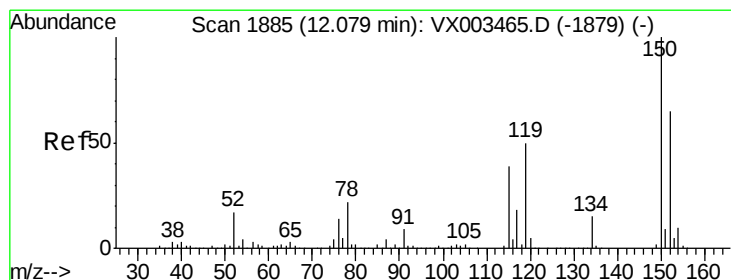
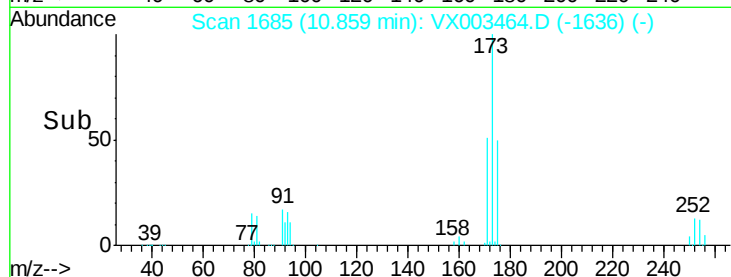
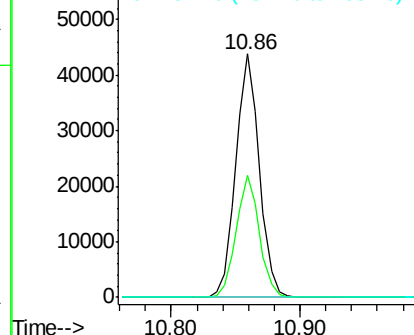
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

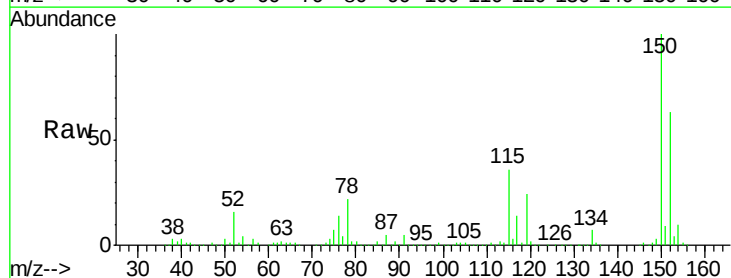
Tgt Ion:152 Resp: 251498

Ion Ratio Lower Upper

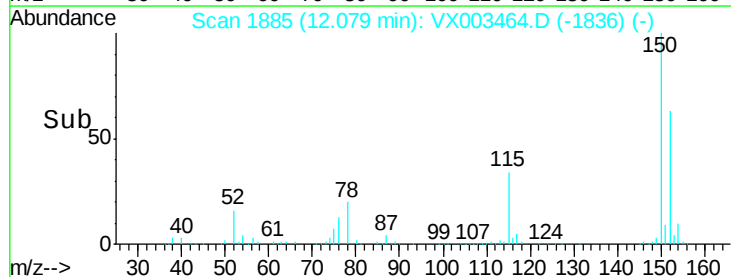
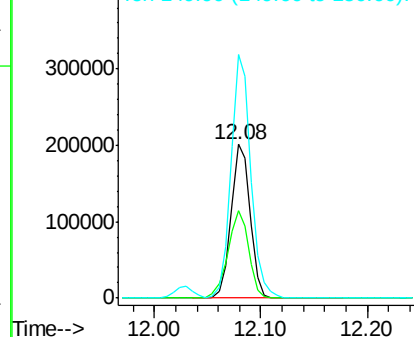
152 100

115 62.3 40.1 120.2

150 164.5 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: 20.90 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 351582

Ion Ratio Lower Upper

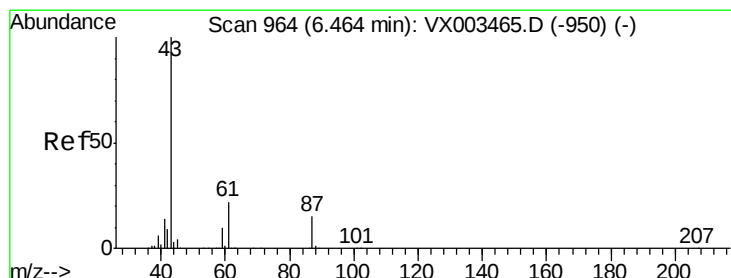
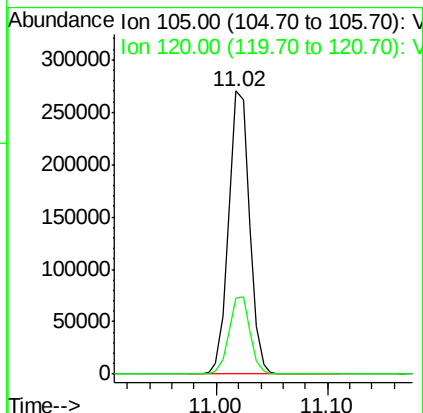
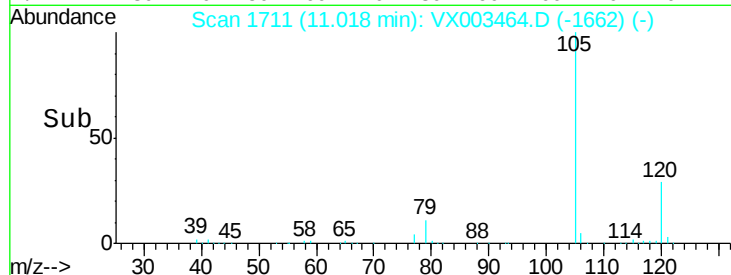
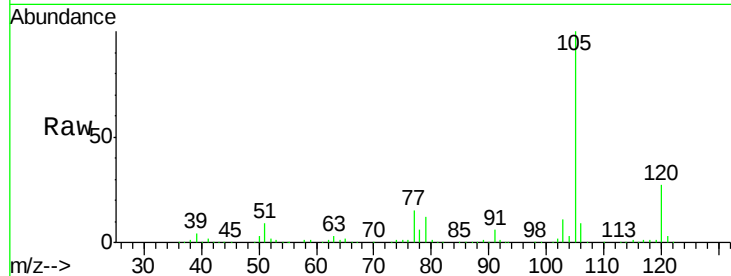
105 100

120 27.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 17.38 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Tgt Ion: 43 Resp: 145232

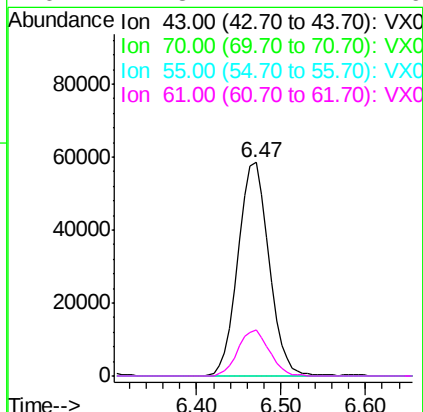
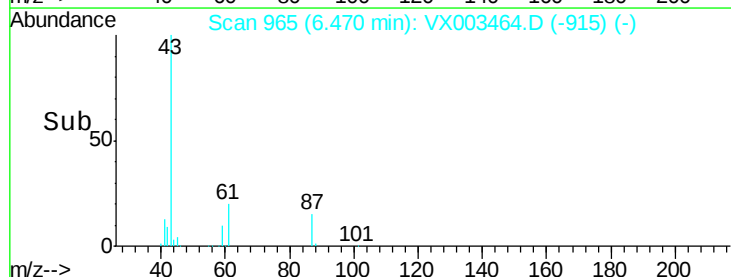
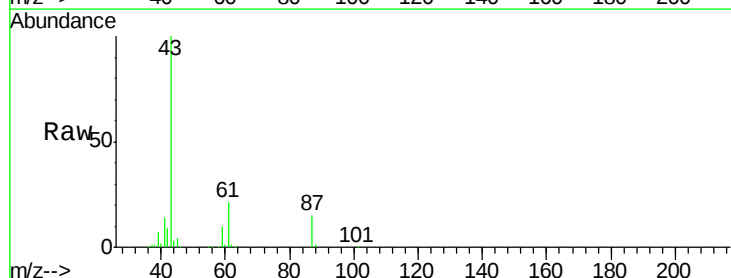
Ion Ratio Lower Upper

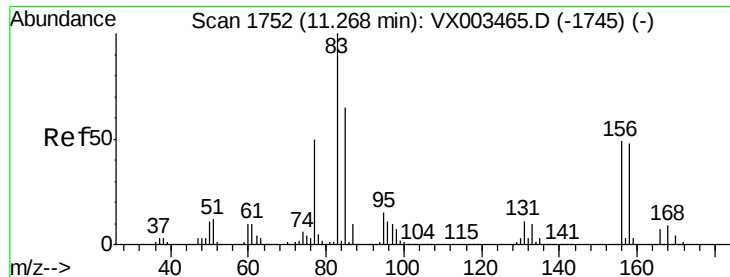
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.8 14.4 21.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 100897
Ion Ratio Lower Upper

83 100

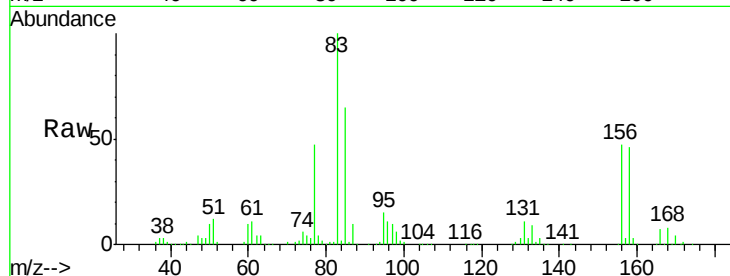
131 11.0 5.6 16.8

85 65.5 32.4 97.2

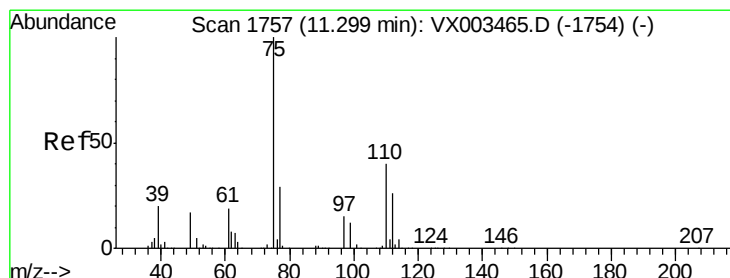
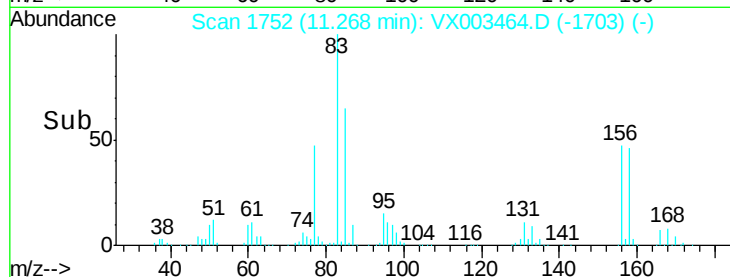
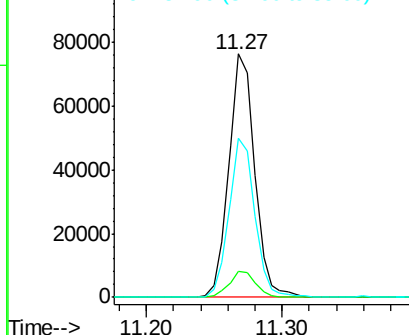
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.35 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

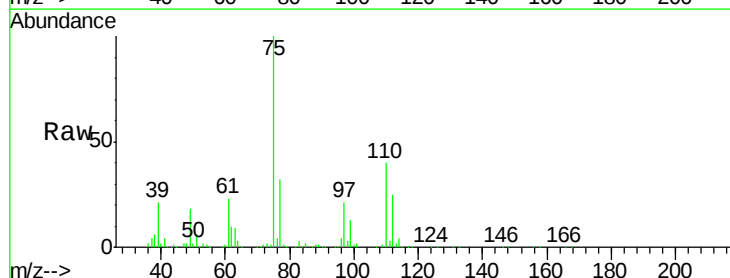
Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

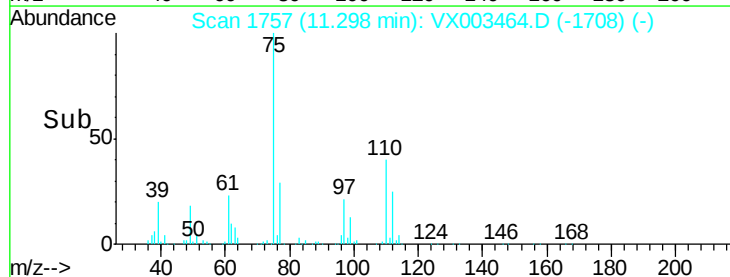
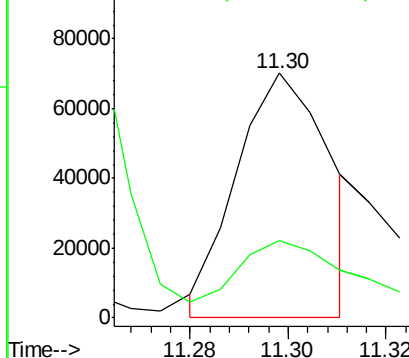
Tgt Ion: 75 Resp: 91810
Ion Ratio Lower Upper

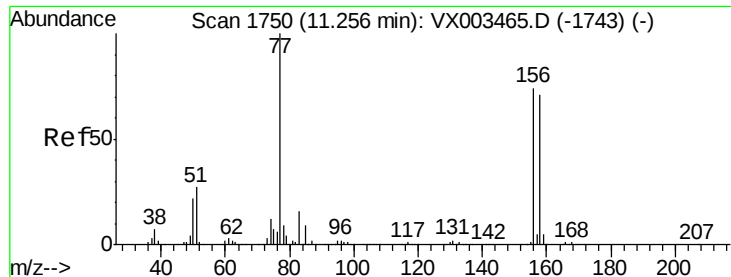
75 100

77 41.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.21 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 99390

Ion Ratio Lower Upper

156 100

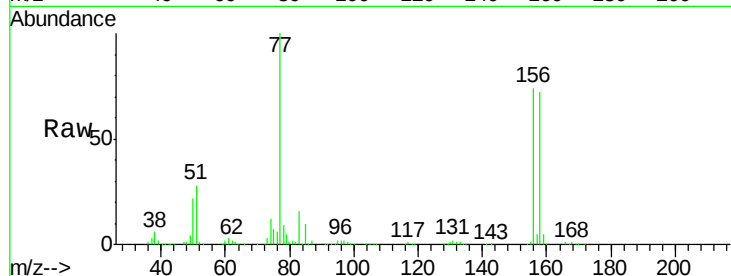
77 133.6 71.4 214.2

158 96.6 48.9 146.6

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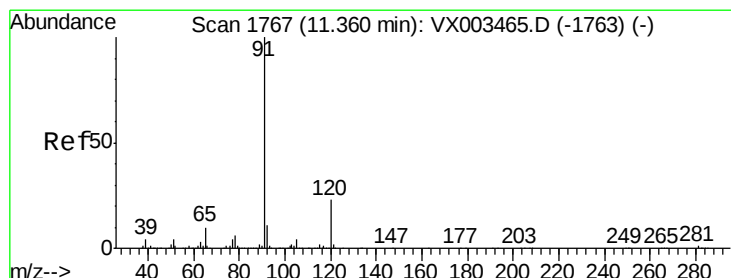
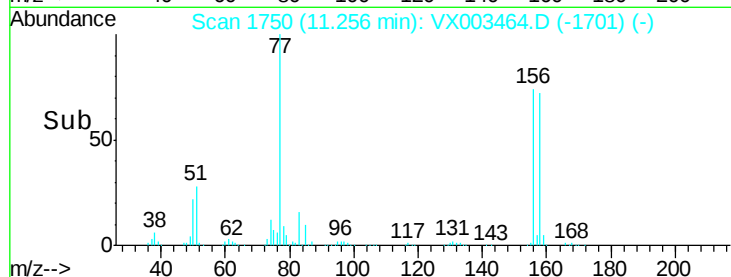
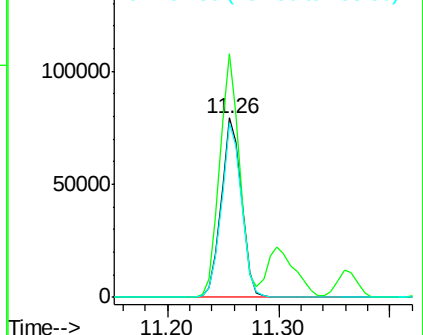
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.39 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003464.D

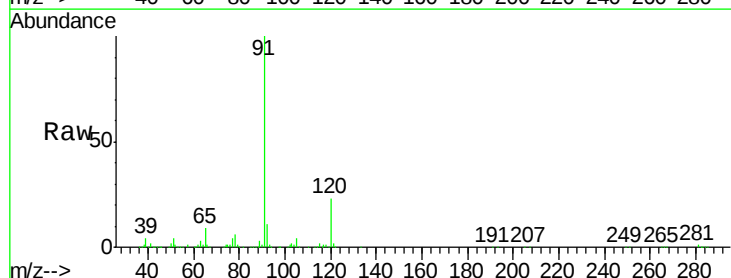
Acq: 19 Jul 2018 13:55

Tgt Ion: 91 Resp: 393352

Ion Ratio Lower Upper

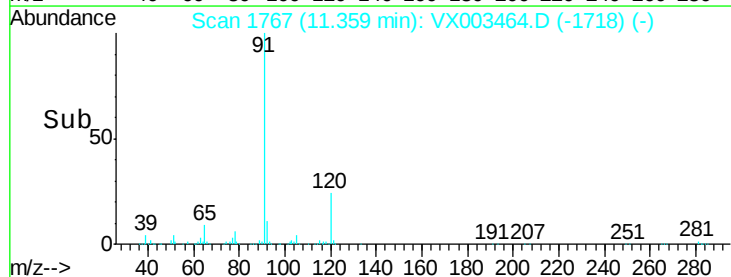
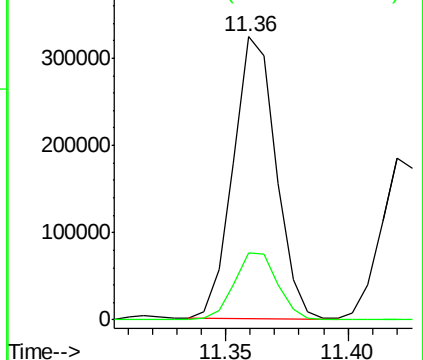
91 100

120 24.4 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: 20.54 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 236555

Ion Ratio Lower Upper

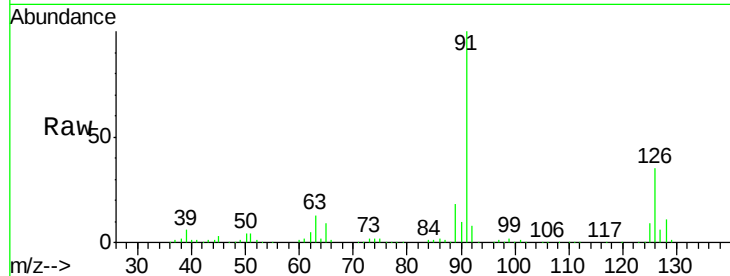
91 100

126 36.7 17.7 53.1

Manual Integrations
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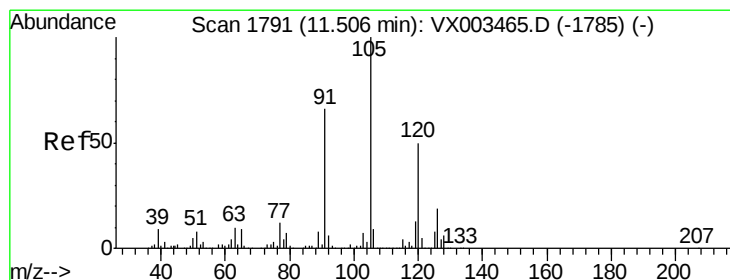
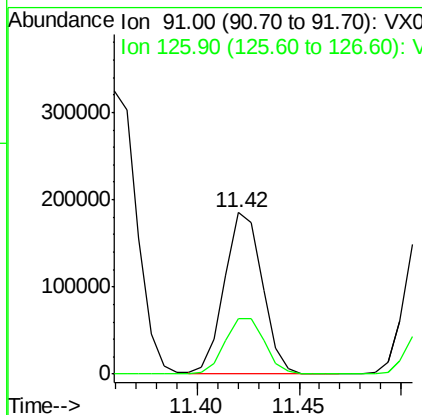
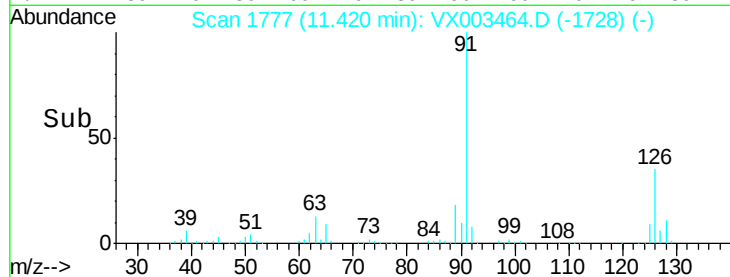
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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003464.D

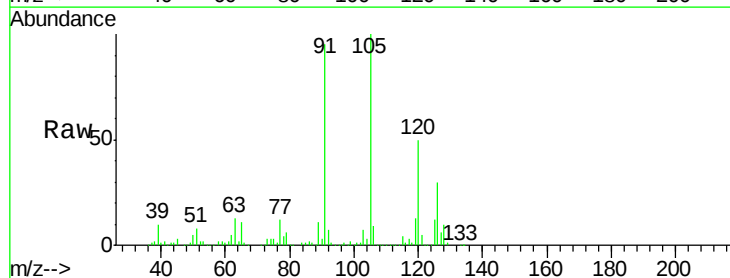
Acq: 19 Jul 2018 13:55

Tgt Ion: 105 Resp: 292216

Ion Ratio Lower Upper

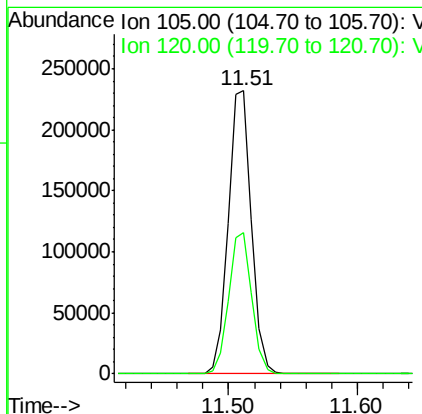
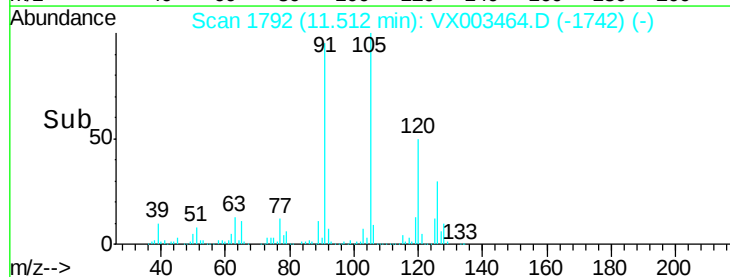
105 100

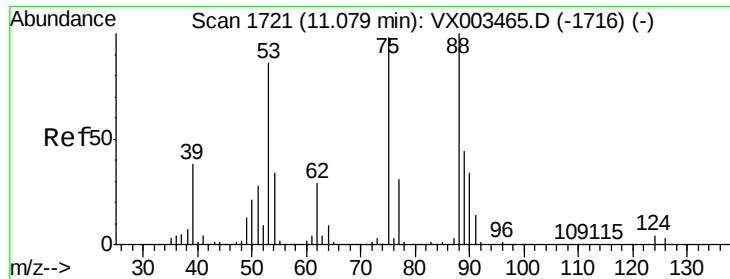
120 50.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)





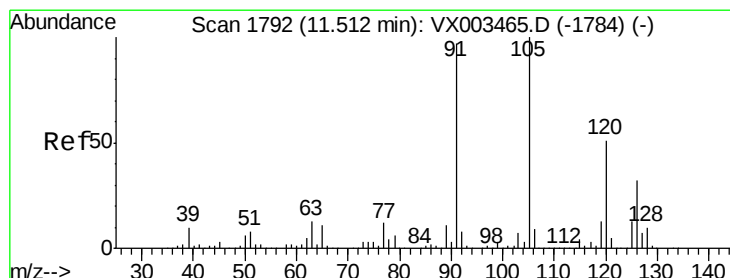
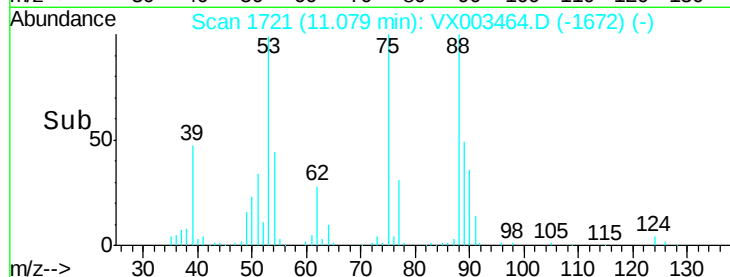
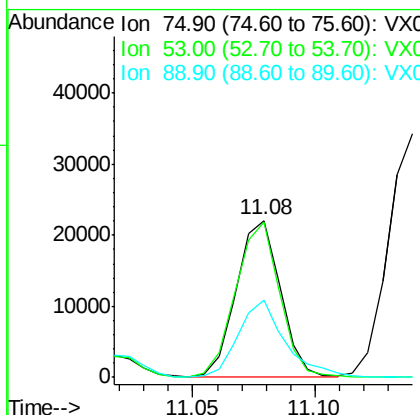
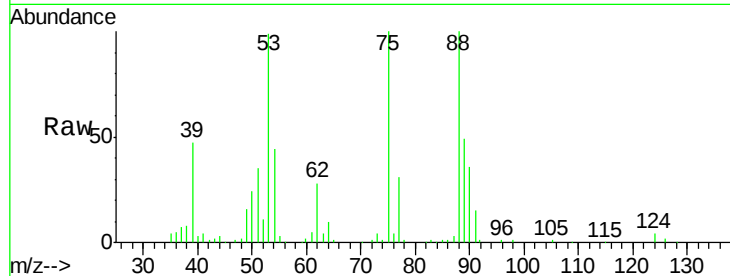
#81
trans-1,4-Dichloro-2-butene
Concen: 22.04 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	86.8	130.2
89	52.4	38.2	57.2

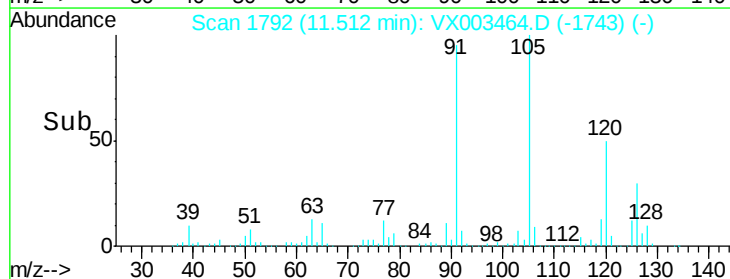
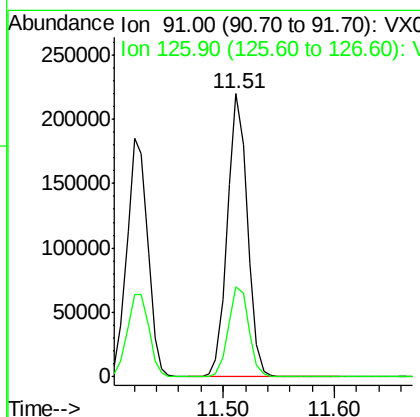
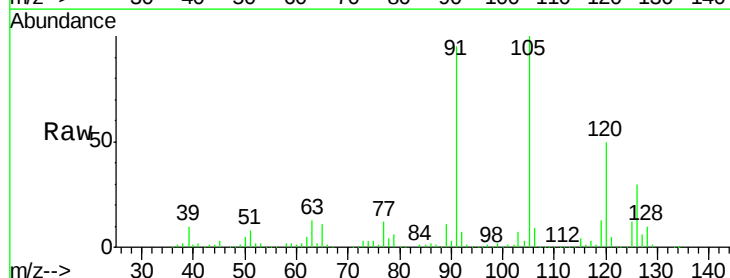
Manual Integrations
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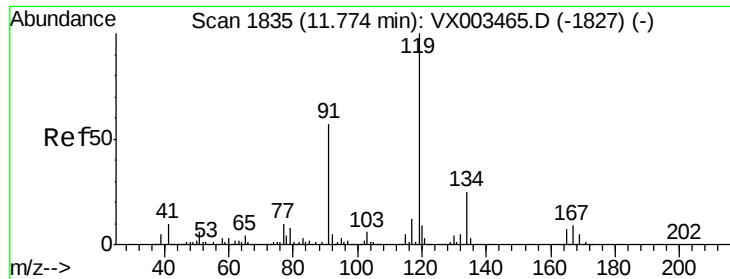
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#82
4-Chlorotoluene
Concen: 20.06 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.4	46.4





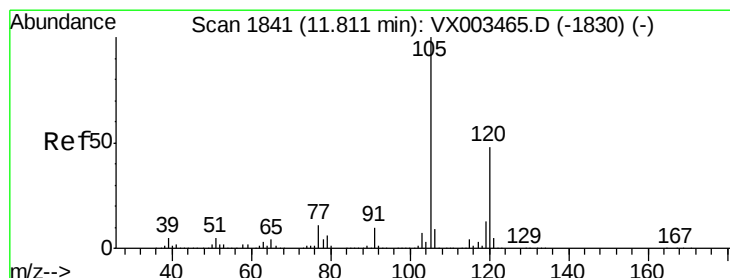
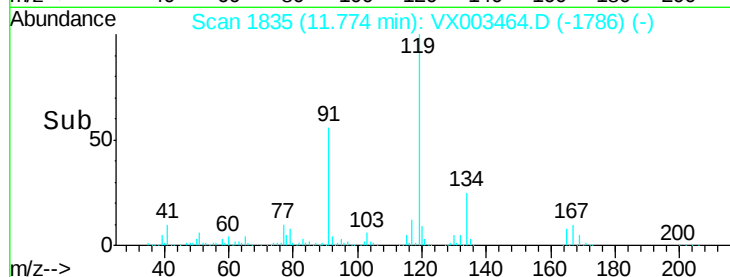
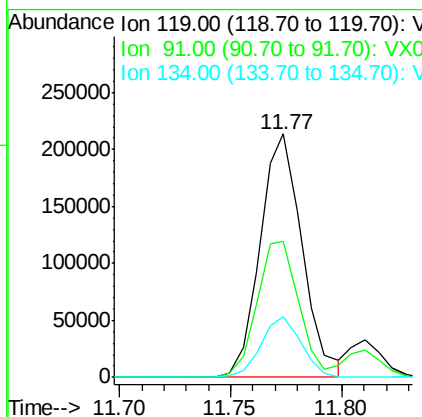
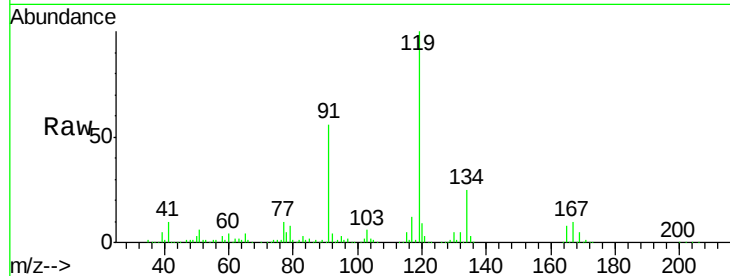
#83
 tert-Butylbenzene
 Concen: 20.50 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280666		
91	55.4	30.3	90.9	
134	23.8	11.7	35.1	

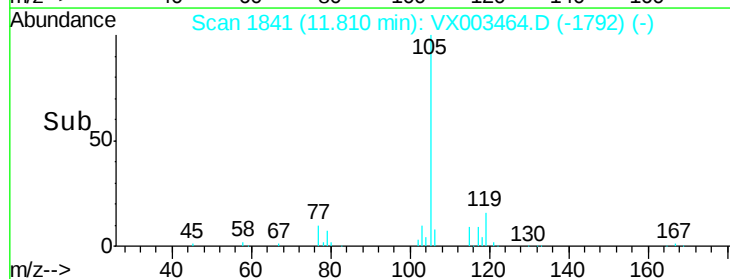
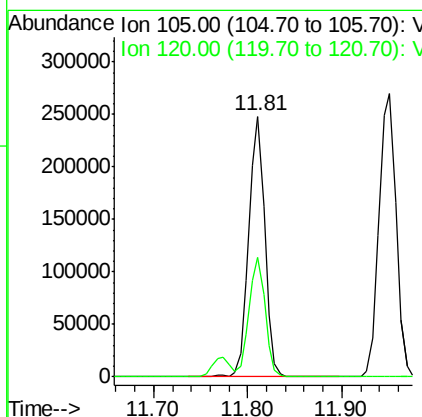
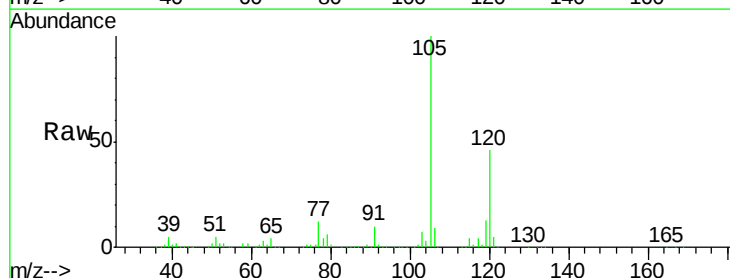
Manual Integrations
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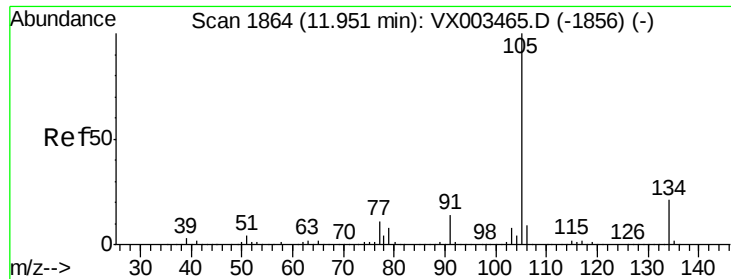
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.54 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297877		
120	46.0	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.03 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 341130

Ion Ratio Lower Upper

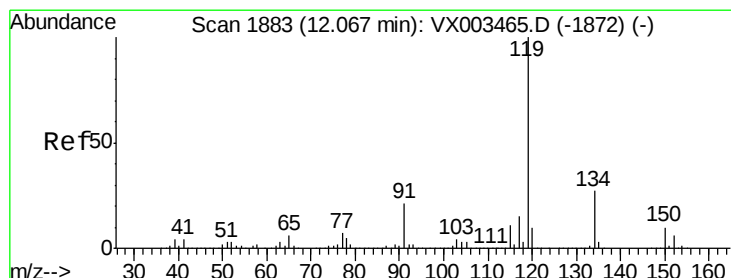
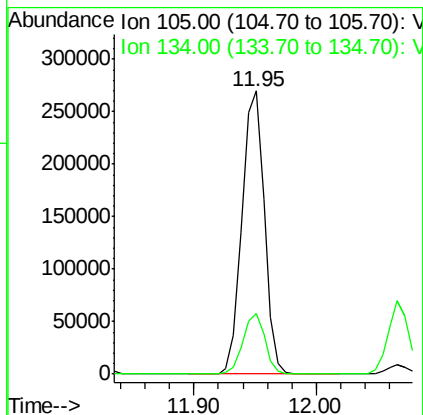
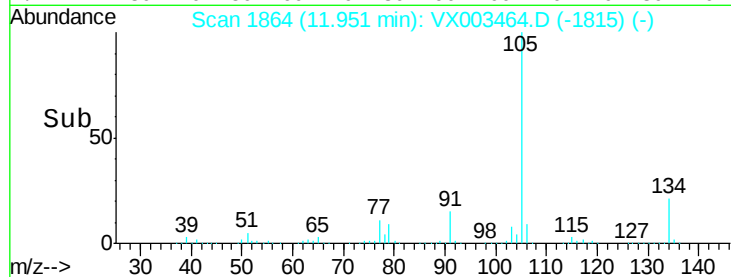
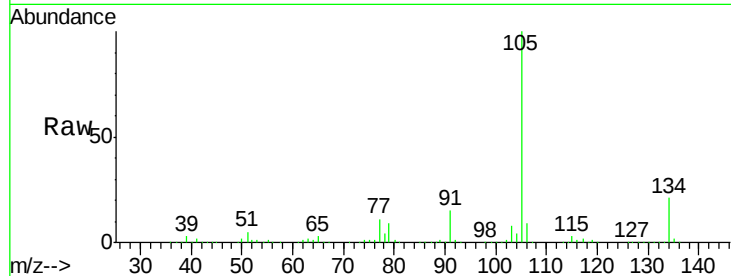
105 100

134 20.9 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.00 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003464.D

Acq: 19 Jul 2018 13:55

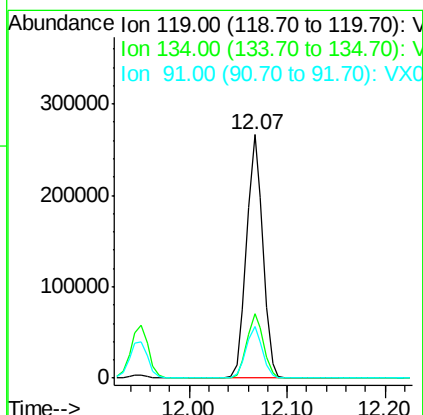
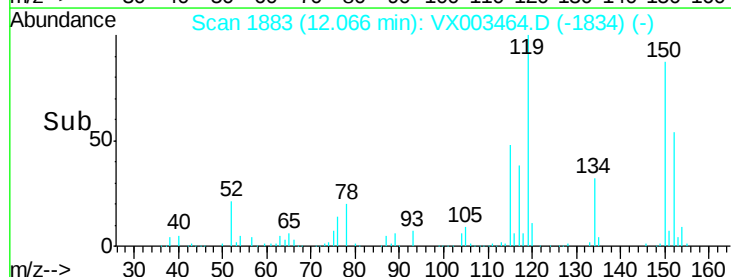
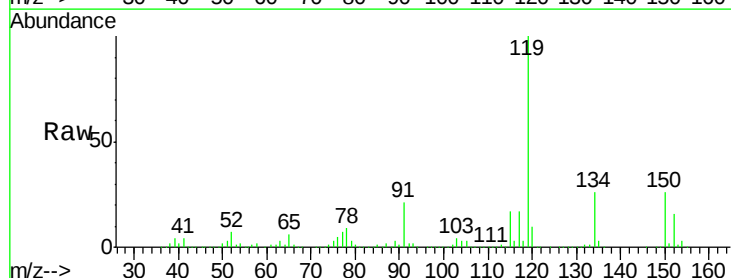
Tgt Ion:119 Resp: 308141

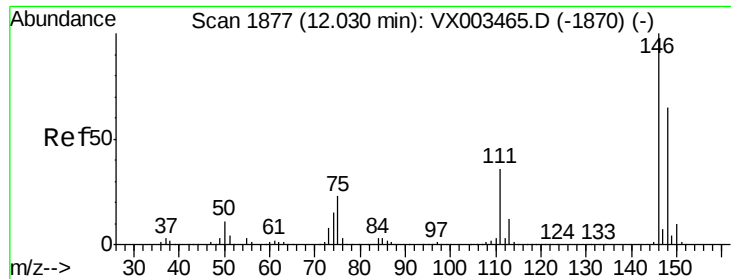
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.5 11.9 35.7





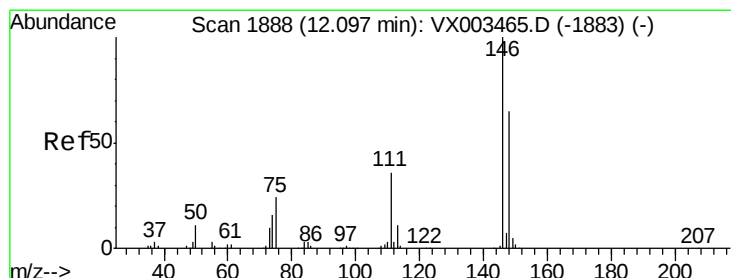
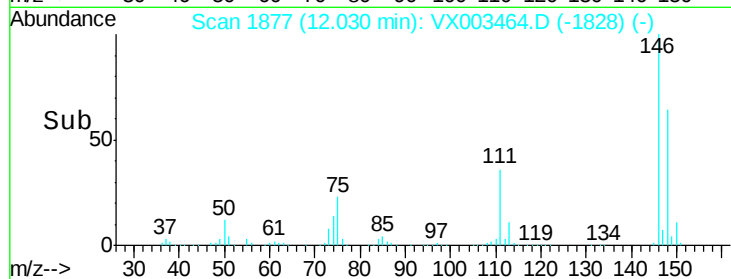
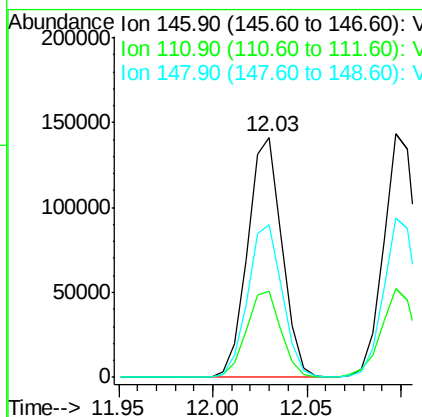
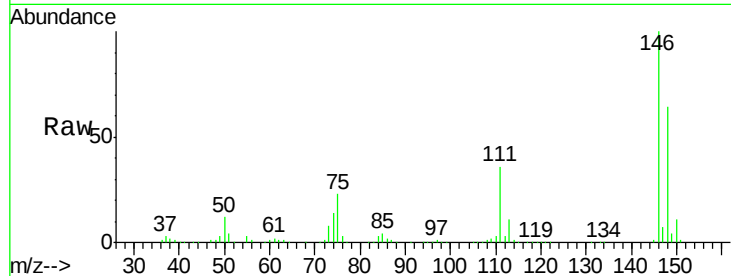
#87
 1,3-Dichlorobenzene
 Concen: 20.75 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.9	56.7
148	64.2	32.1	96.3

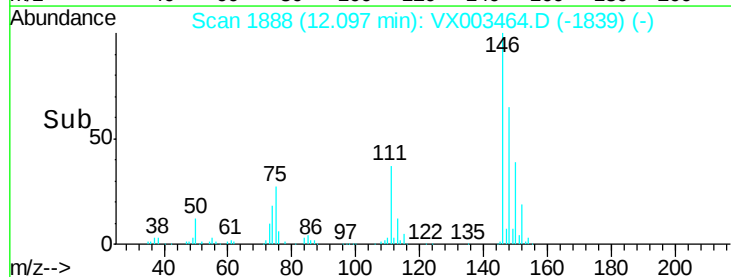
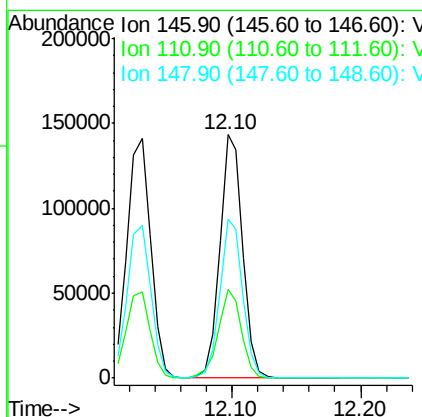
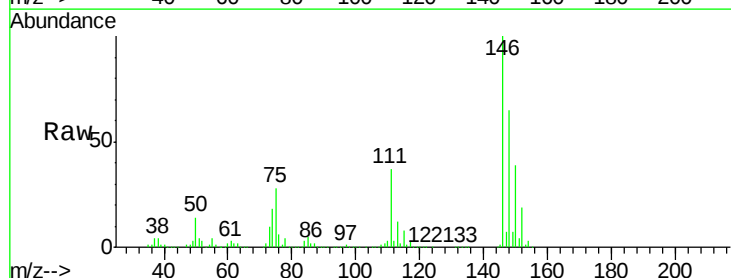
Manual Integrations
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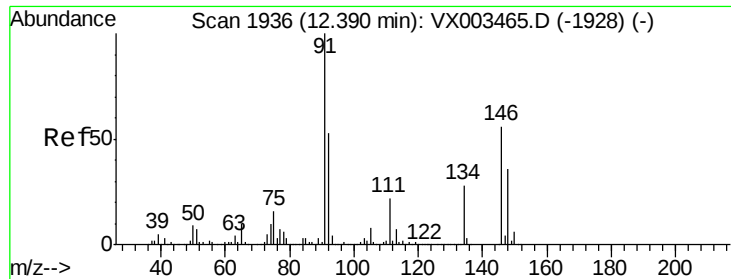
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#88
 1,4-Dichlorobenzene
 Concen: 20.47 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	65.6	32.4	97.0





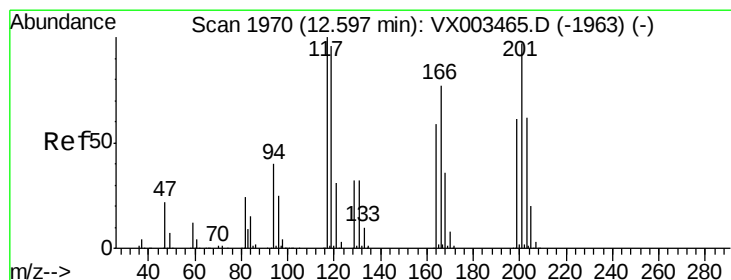
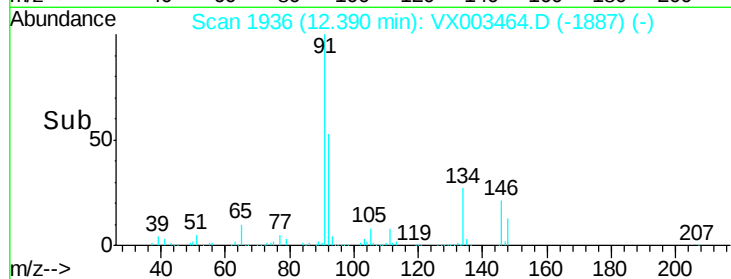
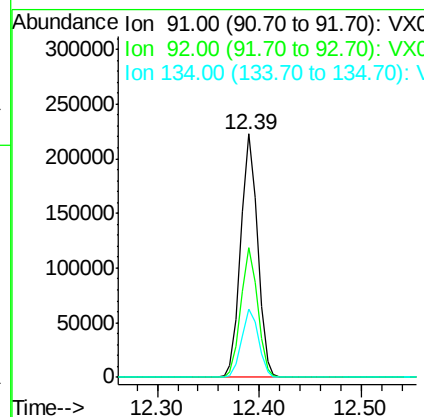
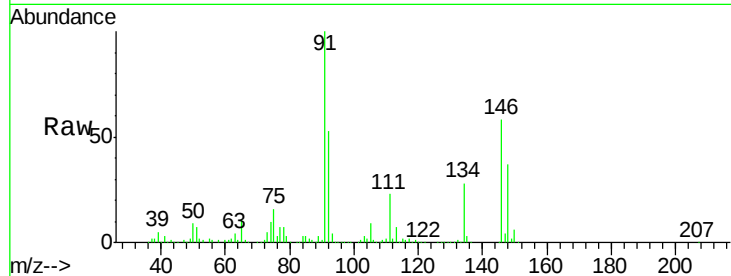
#89
n-Butylbenzene
Concen: 18.52 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	28.1	13.5	40.5

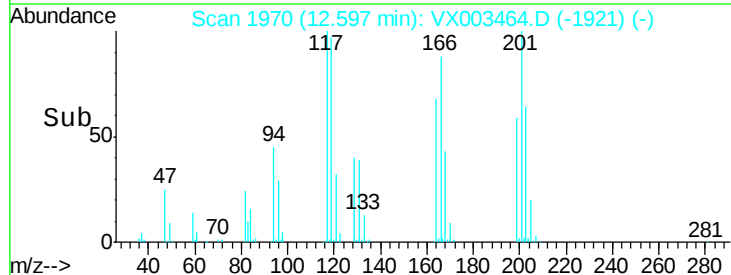
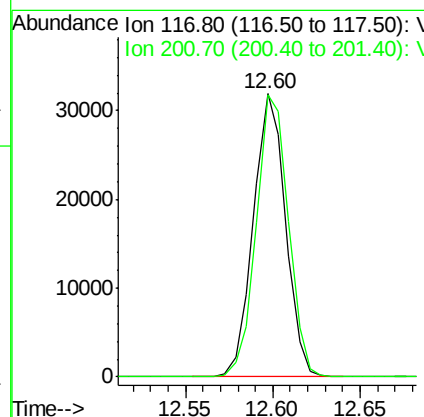
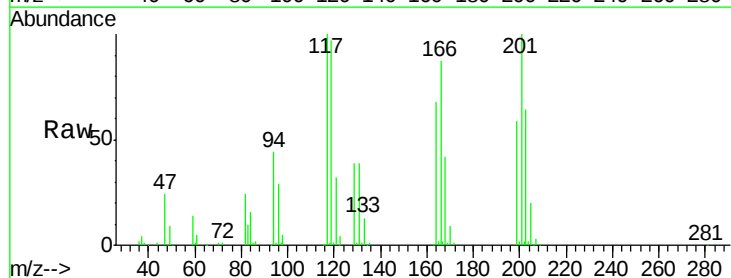
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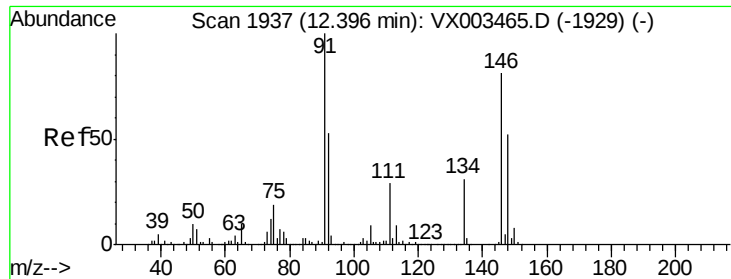
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#90
Hexachloroethane
Concen: 19.15 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.3	49.0	147.0





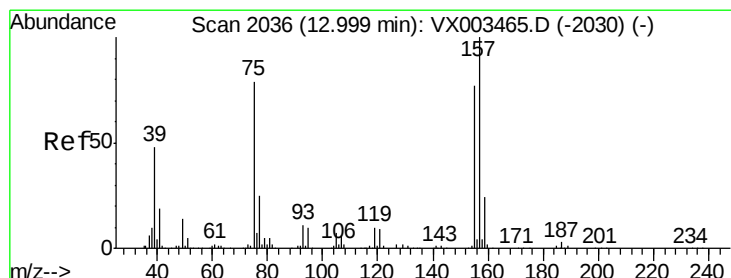
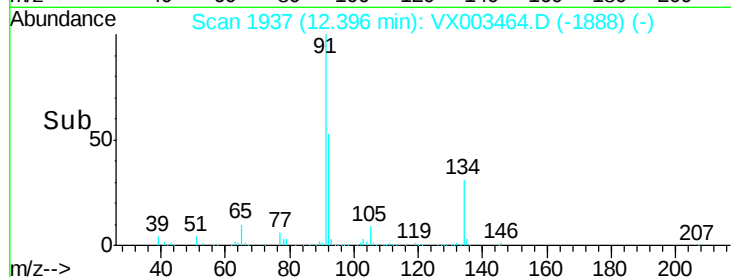
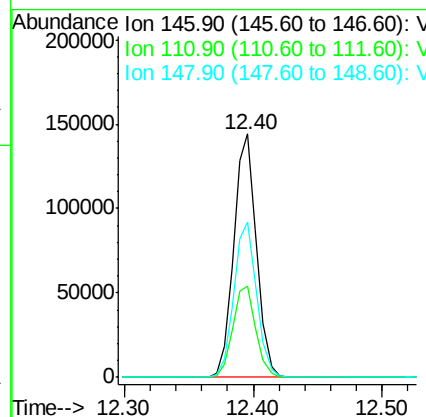
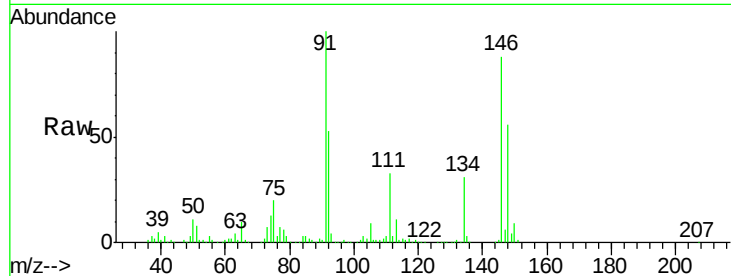
#91
1,2-Dichlorobenzene
Concen: 20.62 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178366		
111	38.1	19.4	58.1	
148	64.0	31.7	95.1	

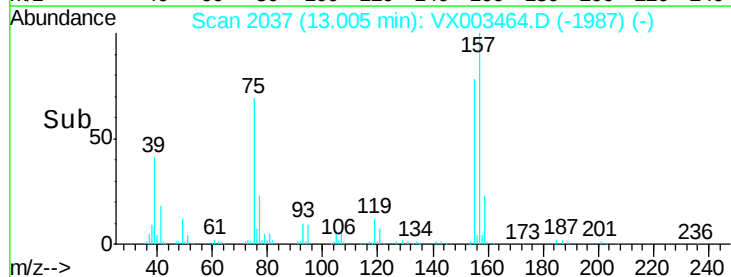
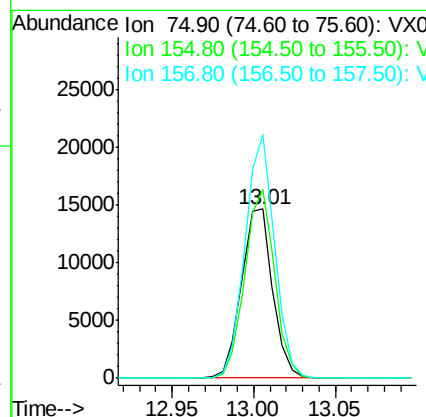
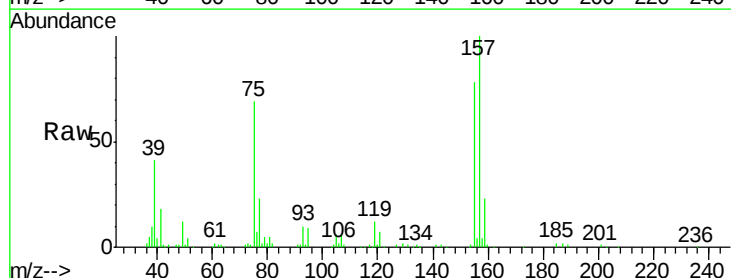
Manual Integrations
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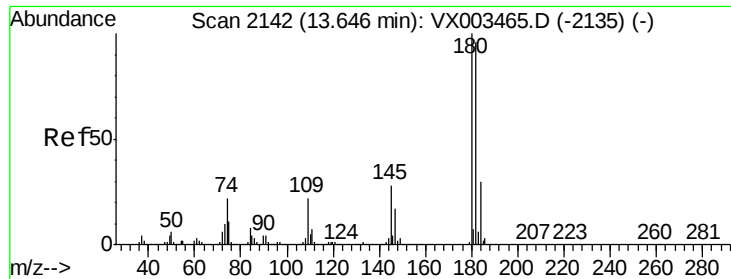
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.86 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19628		
155	105.9	45.8	137.4	
157	135.8	60.1	180.3	





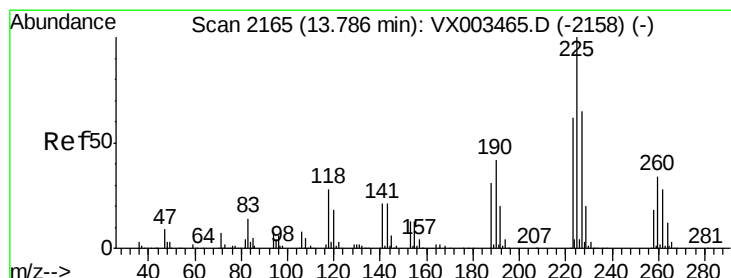
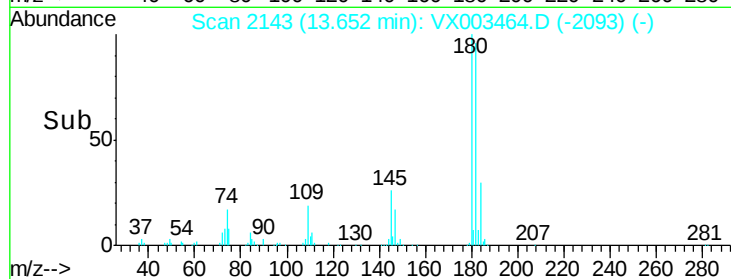
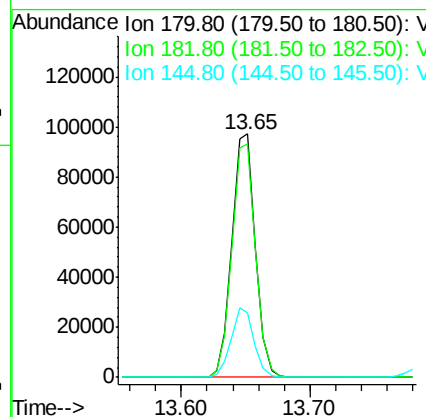
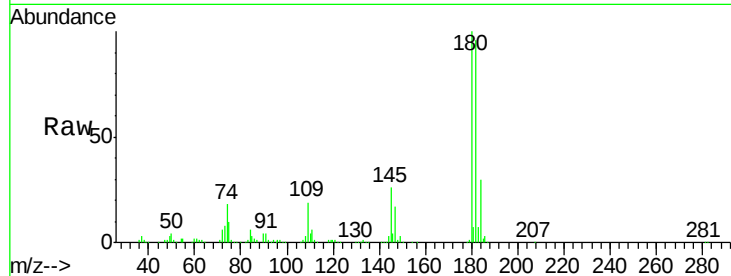
#93
 1,2,4-Trichlorobenzene
 Concen: 19.84 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124524		
182	96.6	47.7	143.1	
145	27.8	14.1	42.4	

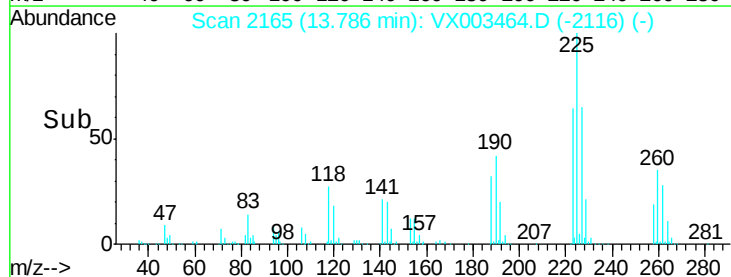
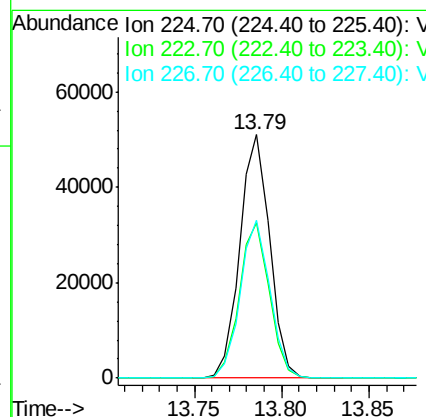
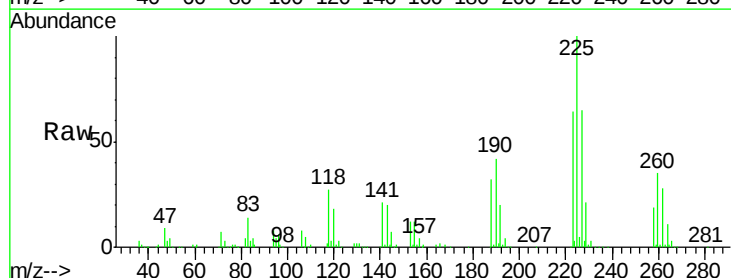
Manual Integrations
 APPROVED

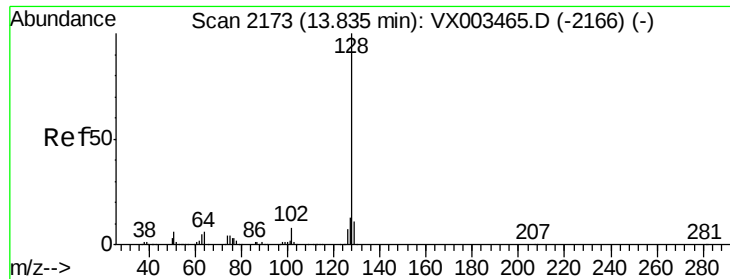
MMDadoda
 7/20/2018 5:22:07 PM



#94
 Hexachlorobutadiene
 Concen: 18.32 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003464.D
 Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60576		
223	64.0	31.6	95.0	
227	64.6	32.4	97.2	





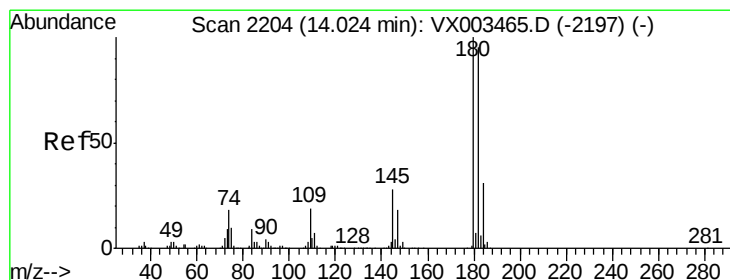
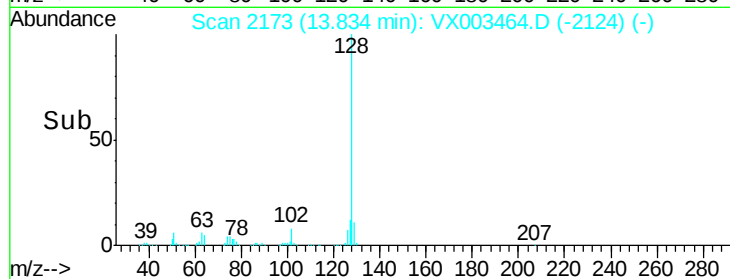
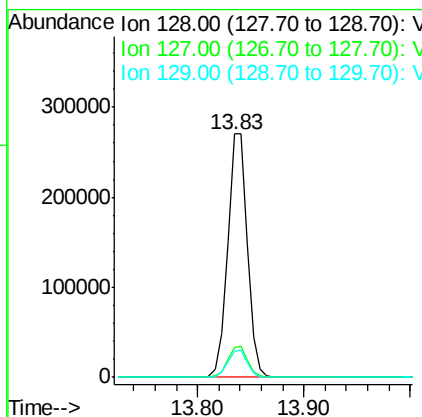
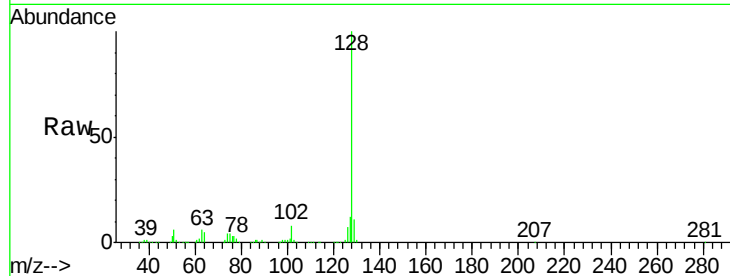
#95
Naphthalene
Concen: 20.72 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	349960		
127	12.7		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/20/2018 5:22:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.33 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003464.D
Acq: 19 Jul 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128158		
182	95.5		48.0	144.0
145	29.0		14.8	44.3

