

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004721.D
 Acq On : 26 Sep 2018 11:32
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:30:57 PM

Quant Time: Oct 03 04:10:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	299776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	434774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	425023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3769	0.783 ug/l	97
3) Chloromethane	1.32	50	5475	1.033 ug/l	99
4) Vinyl Chloride	1.40	62	4623	0.928 ug/l	97
5) Bromomethane	1.64	94	3178	1.110 ug/l	97
6) Chloroethane	1.72	64	3798	1.394 ug/l #	84
7) Trichlorofluoromethane	1.93	101	5871	0.921 ug/l	95
8) Diethyl Ether	2.18	74	3071	1.265 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3889	1.224 ug/l	94
12) 1,1-Dichloroethene	2.37	96	3604	1.146 ug/l	88
14) Allyl chloride	2.73	41	7404	1.011 ug/l	96
15) Acrylonitrile	3.15	53	14675	5.314 ug/l	95
16) Acetone	2.45	43	15671	6.017 ug/l	99
17) Carbon Disulfide	2.57	76	10309	1.027 ug/l	98
18) Methyl Acetate	2.78	43	7675	1.210 ug/l	97
19) Methyl tert-butyl Ether	3.21	73	12115	1.096 ug/l	93
20) Methylene Chloride	2.85	84	5268	1.276 ug/l #	96
21) trans-1,2-Dichloroethene	3.16	96	4240	1.146 ug/l	98
22) Diisopropyl ether	3.87	45	12280	0.995 ug/l	98
23) Vinyl Acetate	3.82	43	53541	4.572 ug/l	97
24) 1,1-Dichloroethane	3.70	63	8248	1.109 ug/l	97
25) 2-Butanone	4.70	43	18839	4.975 ug/l	95
26) 2,2-Dichloropropane	4.58	77	5373	1.087 ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	4411	1.069 ug/l	93
28) Bromochloromethane	5.01	49	3875	1.187 ug/l	90
29) Tetrahydrofuran	5.15	42	11201	4.579 ug/l	90
30) Chloroform	5.21	83	7564	1.169 ug/l	88
31) Cyclohexane	5.57	56	4942	0.811 ug/l #	83
32) 1,1,1-Trichloroethane	5.49	97	5977	1.081 ug/l #	49
36) 1,1-Dichloropropene	5.80	75	5147	1.051 ug/l	96
37) Ethyl Acetate	4.85	43	6349	0.948 ug/l #	85
38) Carbon Tetrachloride	5.77	117	6472	1.253 ug/l #	79
39) Methylcyclohexane	7.46	83	4973	0.990 ug/l	91
40) Benzene	6.14	78	15373	1.019 ug/l	98
41) Methacrylonitrile	5.05	41	3524	0.914 ug/l #	59

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 ClientSampleID :
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Manual Integrations
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Quant Time: Oct 03 04:10:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 13:18:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.19	62	6082	1.123	ug/l	98
43) Isopropyl Acetate	6.46	43	8443	0.819	ug/l	97
44) Trichloroethene	7.21	130	4761	1.355	ug/l	94
45) 1,2-Dichloropropane	7.51	63	4484	1.242	ug/l	97
46) Dibromomethane	7.66	93	2953	1.312	ug/l	95
47) Bromodichloromethane	7.90	83	4866	1.129	ug/l	91
48) Methyl methacrylate	7.77	41	3984	0.896	ug/l	91
49) 1,4-Dioxane	7.75	88	2127	19.059	ug/l #	82
51) 4-Methyl-2-Pentanone	8.65	43	25875	4.242	ug/l	92
52) Toluene	8.79	92	7865	0.907	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	4581	0.844	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	5069	0.954	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	4167	1.101	ug/l	93
56) Ethyl methacrylate	9.18	69	4138	0.718	ug/l	96
57) 1,3-Dichloropropane	9.38	76	6745	1.042	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	11313	3.673	ug/l	95
59) 2-Hexanone	9.50	43	20030	3.678	ug/l	81
60) Dibromochloromethane	9.59	129	3703	0.895	ug/l	97
61) 1,2-Dibromoethane	9.67	107	4013	0.934	ug/l	95
64) Tetrachloroethene	9.34	164	4487	1.053	ug/l	98
65) Chlorobenzene	10.14	112	11346	1.061	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	3854	1.032	ug/l #	62
67) Ethyl Benzene	10.25	91	14695	0.860	ug/l	97
68) m/p-Xylenes	10.36	106	10620	1.519	ug/l	96
69) o-Xylene	10.70	106	5201	0.822	ug/l	97
70) Styrene	10.71	104	7833	0.723	ug/l	95
71) Bromoform	10.86	173	2903	0.866	ug/l #	97
73) Isopropylbenzene	11.02	105	12436	0.743	ug/l	97
74) N-amyl acetate	10.90	43	5835	0.714	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	6720	1.116	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	5589m	1.013	ug/l	
77) Bromobenzene	11.26	156	4197	0.924	ug/l	93
78) n-propylbenzene	11.36	91	14034	0.725	ug/l	100
79) 2-Chlorotoluene	11.42	91	9538	0.821	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	9685	0.672	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	1379	0.752	ug/l #	82
82) 4-Chlorotoluene	11.51	91	10210	0.739	ug/l	95
83) tert-Butylbenzene	11.77	119	10554	0.769	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	9776	0.659	ug/l	98
85) sec-Butylbenzene	11.94	105	11792	0.706	ug/l	98
86) p-Isopropyltoluene	12.07	119	10624	0.700	ug/l	92
87) 1,3-Dichlorobenzene	12.03	146	8222	0.976	ug/l	98
88) 1,4-Dichlorobenzene	12.03	146	8222	0.962	ug/l	98
89) n-Butylbenzene	12.39	91	10221	0.749	ug/l	94
90) Hexachloroethane	12.60	117	2298	1.012	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	8933	1.039	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1326	0.978	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	5330	0.843	ug/l	99
94) Hexachlorobutadiene	13.79	225	3452	1.138	ug/l	95
95) Naphthalene	13.83	128	12616	0.622	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

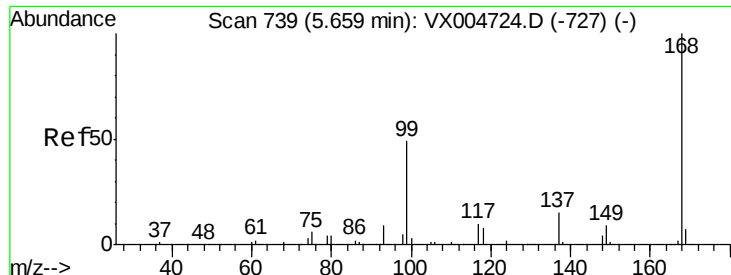
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 13:18:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	5538	0.850	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 299776

Ion Ratio Lower Upper

168 100

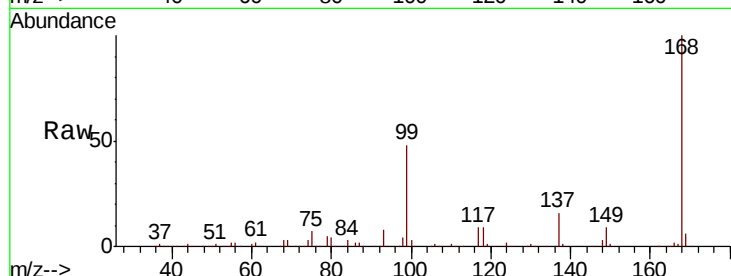
99 47.6 39.9 59.9

Manual Integrations

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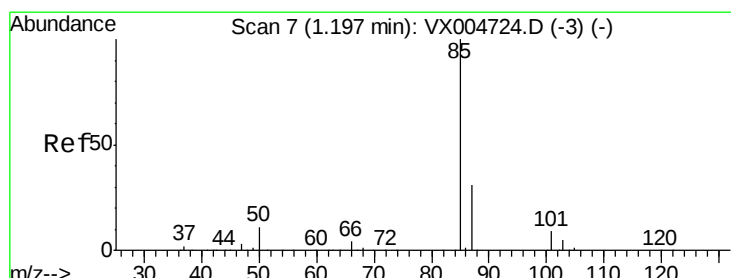
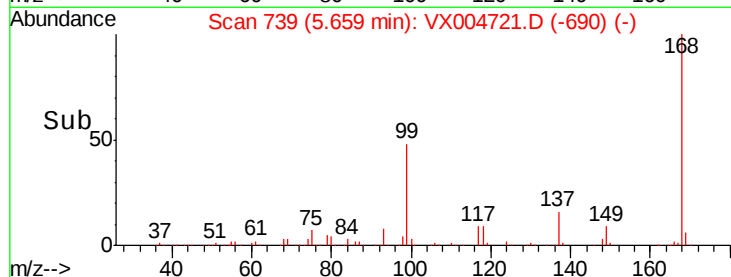
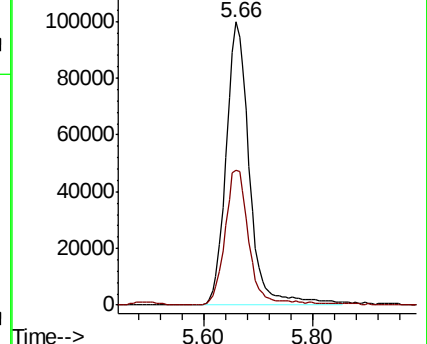
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.783 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004721.D

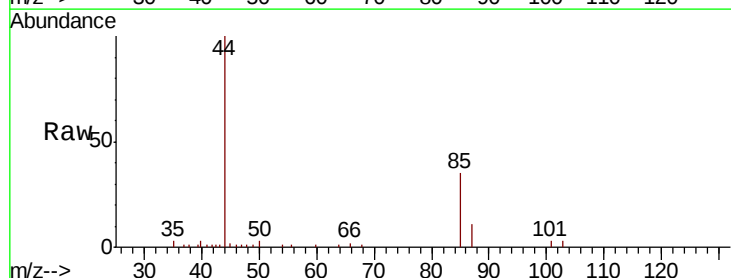
Acq: 26 Sep 2018 11:32

Tgt Ion: 85 Resp: 3769

Ion Ratio Lower Upper

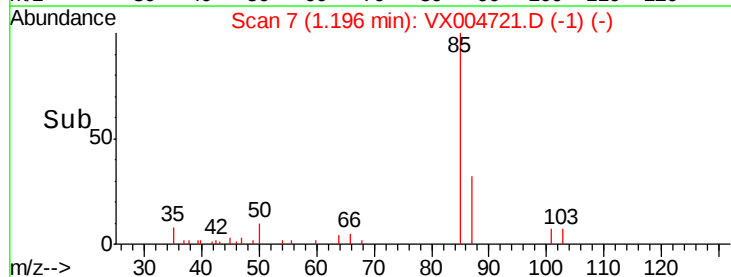
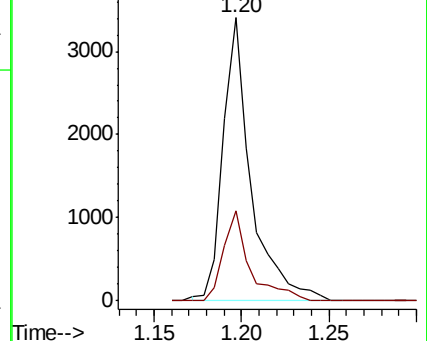
85 100

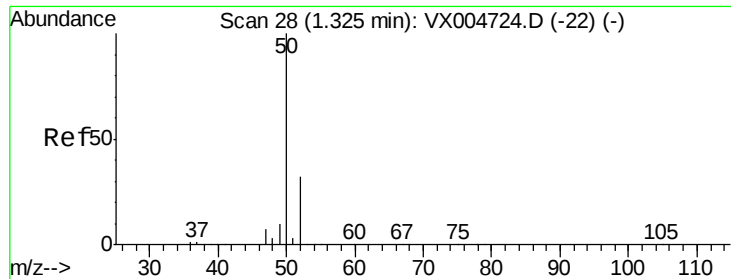
87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.033 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5475

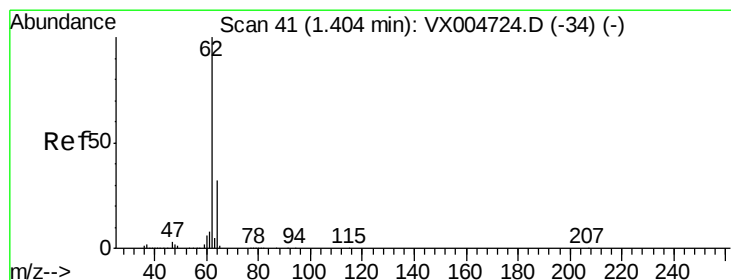
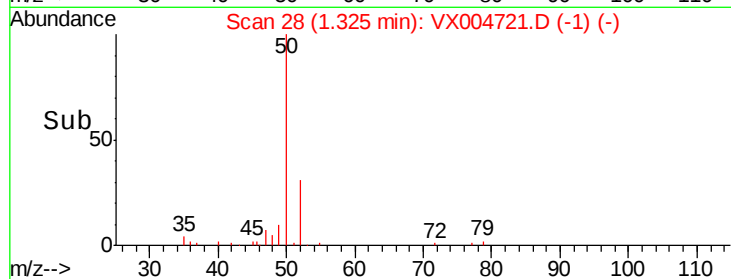
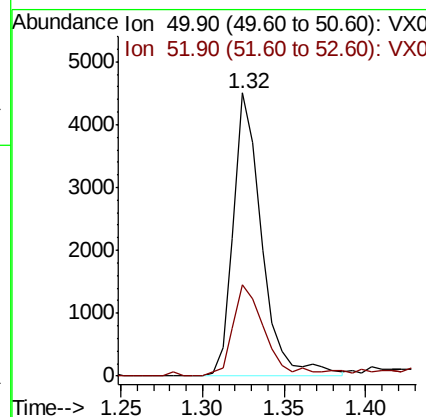
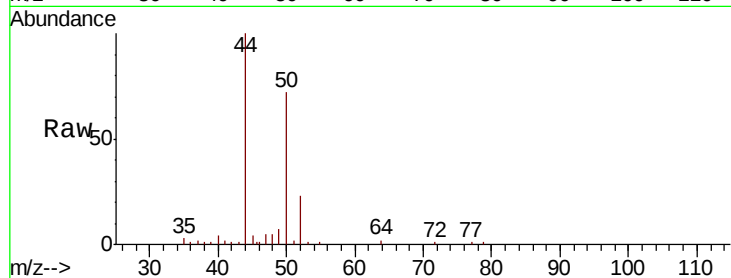
Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.2

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#4

Vinyl Chloride

Concen: 0.928 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004721.D

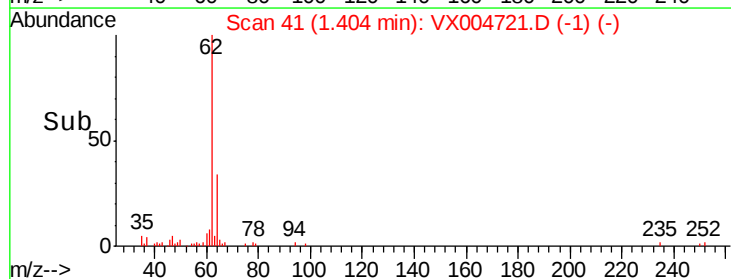
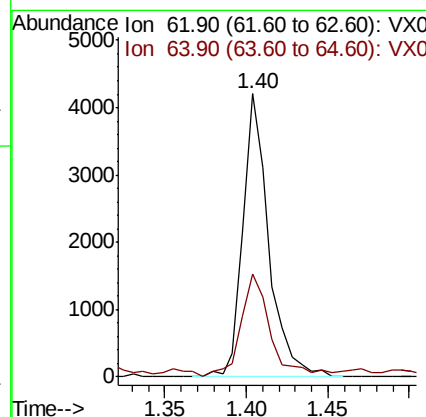
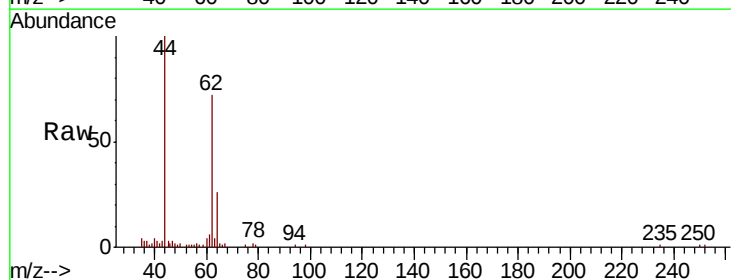
Acq: 26 Sep 2018 11:32

Tgt Ion: 62 Resp: 4623

Ion Ratio Lower Upper

62 100

64 34.1 25.8 38.8





#5

Bromomethane

Concen: 1.110 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3178

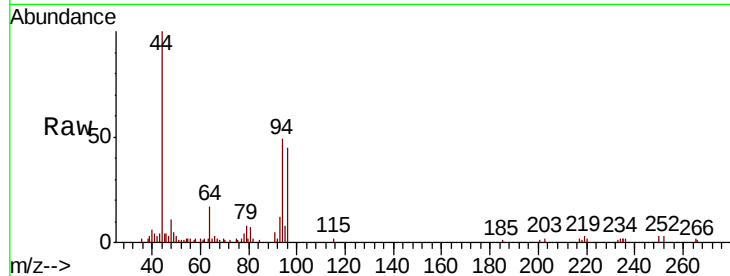
Ion Ratio Lower Upper

94 100

96 96.0 74.5 111.7

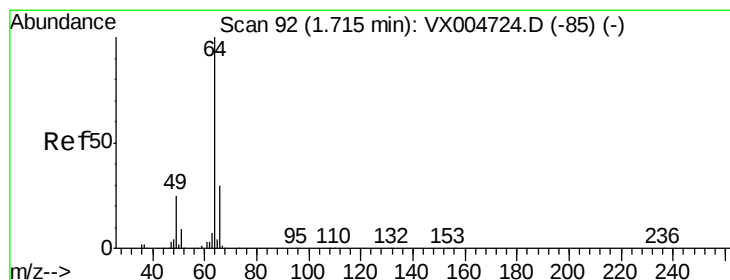
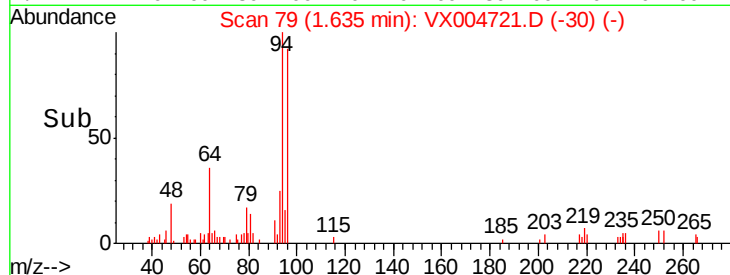
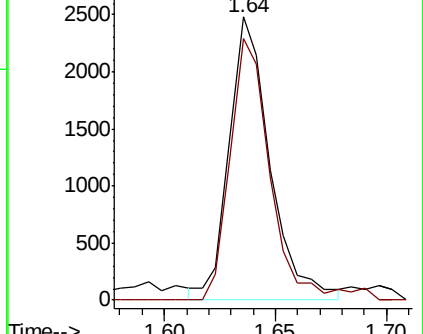
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.394 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004721.D

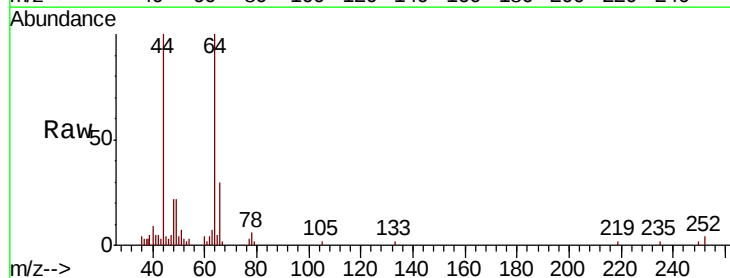
Acq: 26 Sep 2018 11:32

Tgt Ion: 64 Resp: 3798

Ion Ratio Lower Upper

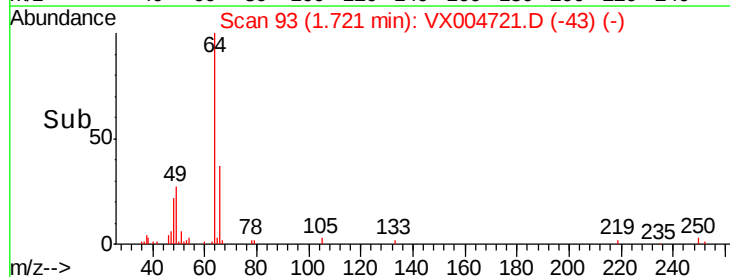
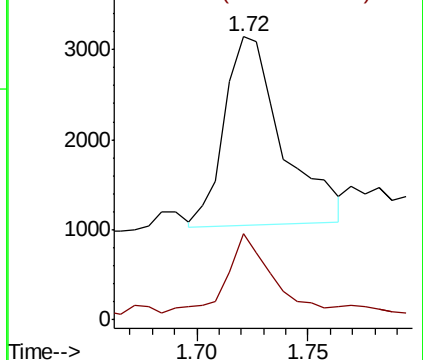
64 100

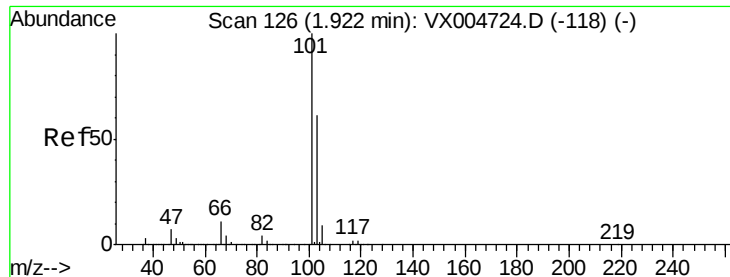
66 39.5 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

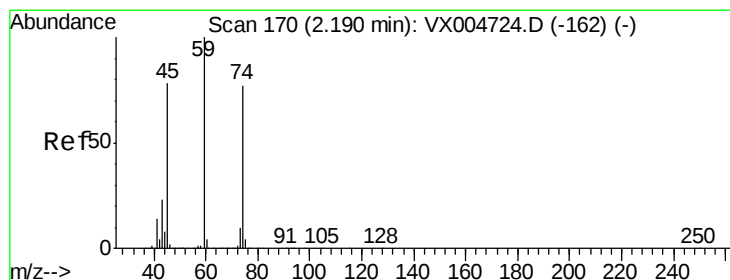
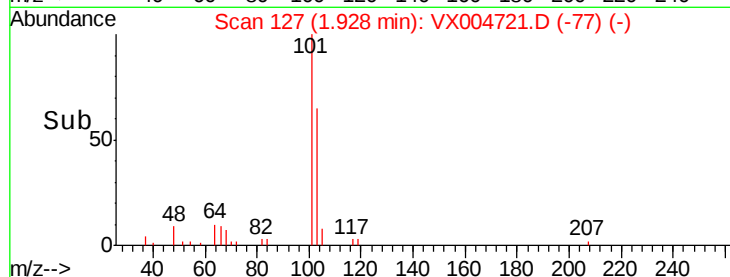
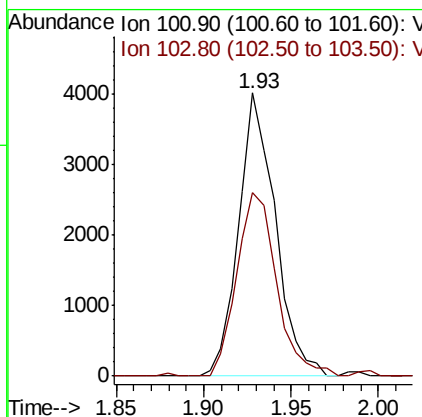
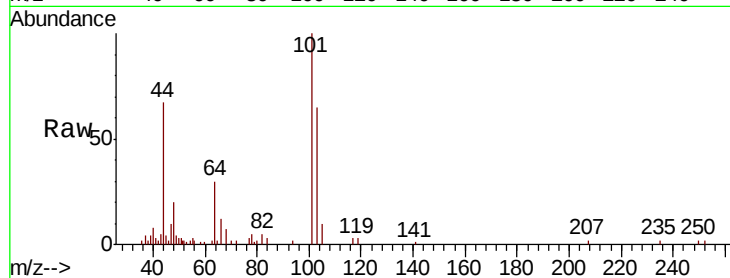
Trichlorofluoromethane
Concen: 0.921 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	48.9	73.3

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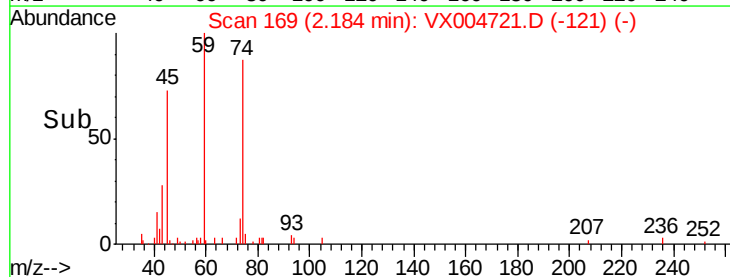
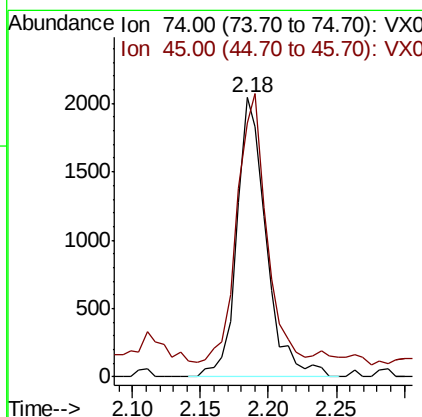
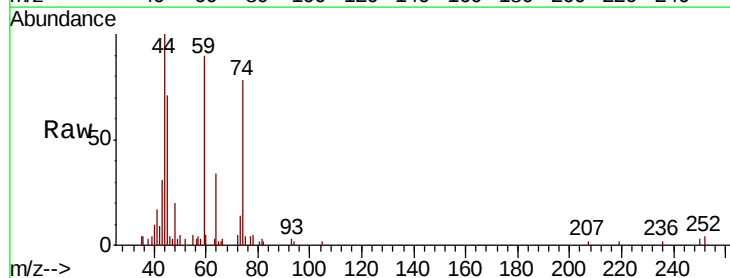
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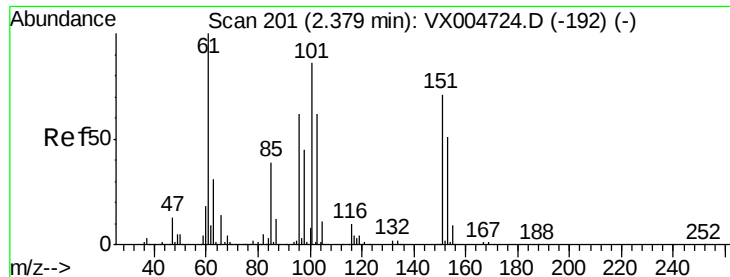


#8

Diethyl Ether
Concen: 1.265 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.224 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

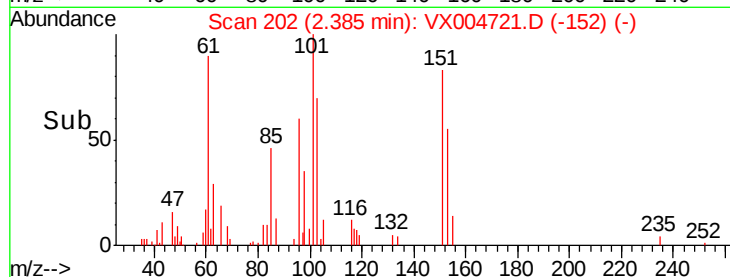
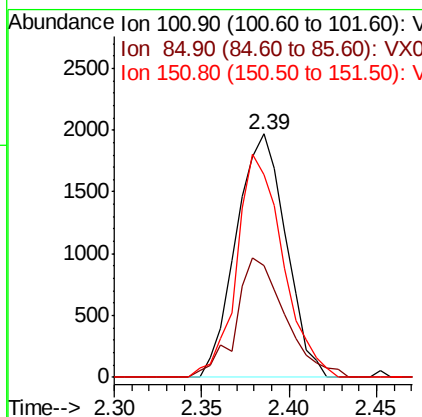
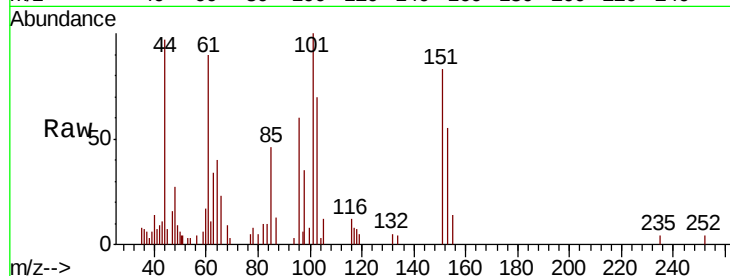
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	3889
Ion Ratio	Lower	Upper	
101	100		
85	48.9	34.2	51.4
151	85.6	65.0	97.6

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.146 ug/l

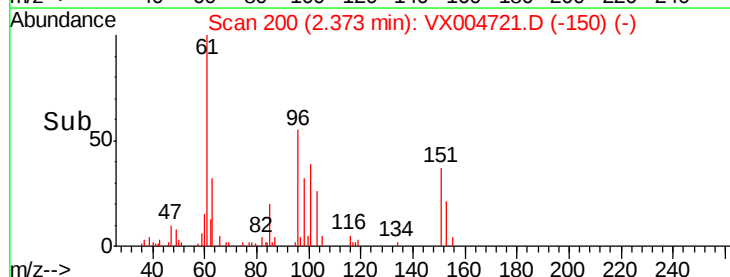
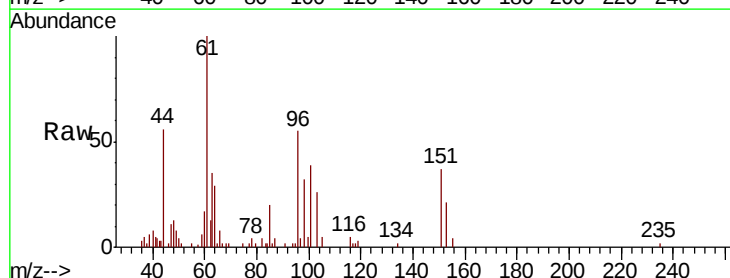
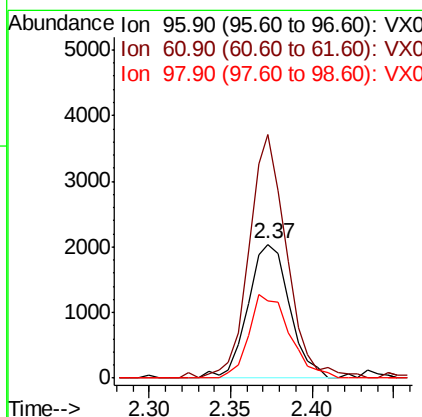
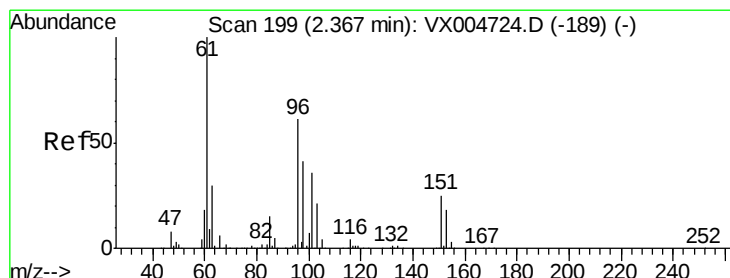
RT: 2.37 min Scan# 200

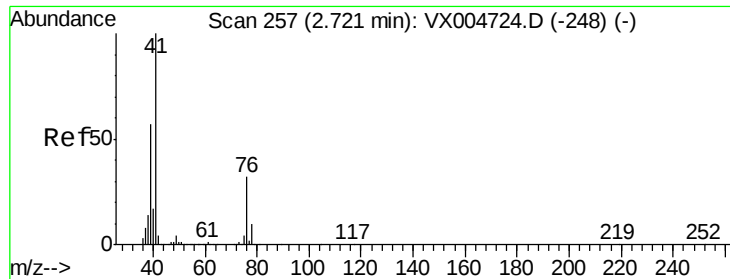
Delta R.T. 0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tgt Ion:	96	Resp:	3604
Ion Ratio	Lower	Upper	
96	100		
61	178.0	128.8	193.2
98	58.1	52.2	78.2





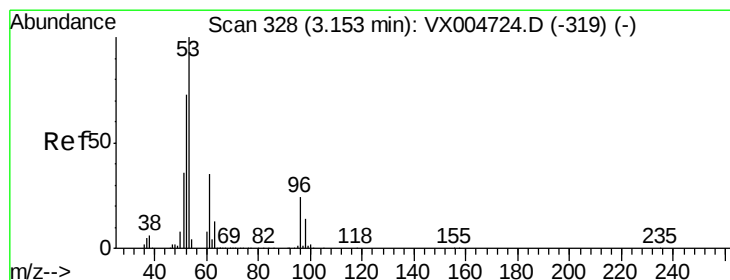
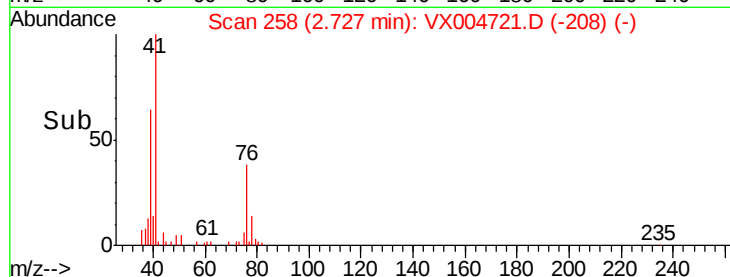
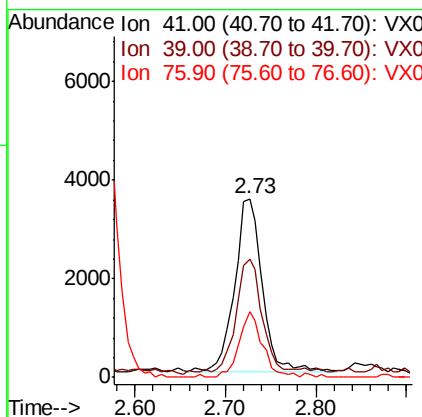
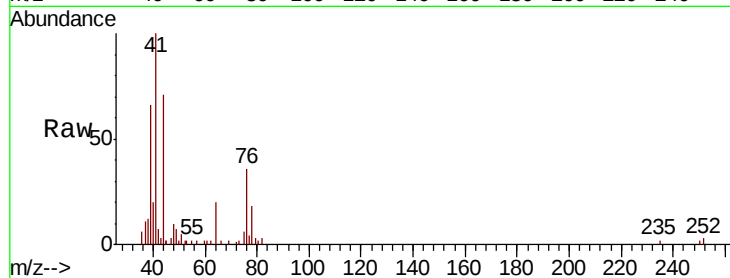
#14
Allvl chloride
Concen: 1.011 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	48.9	73.3
76	31.8	26.7	40.1

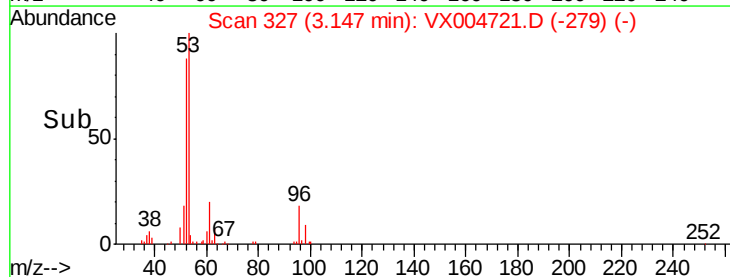
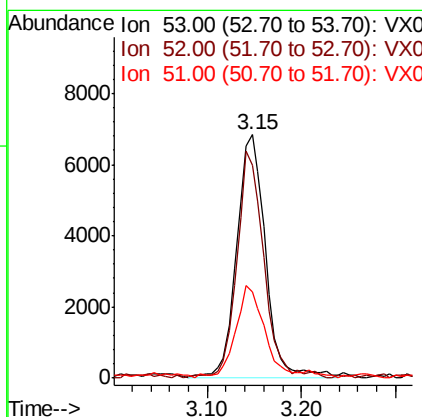
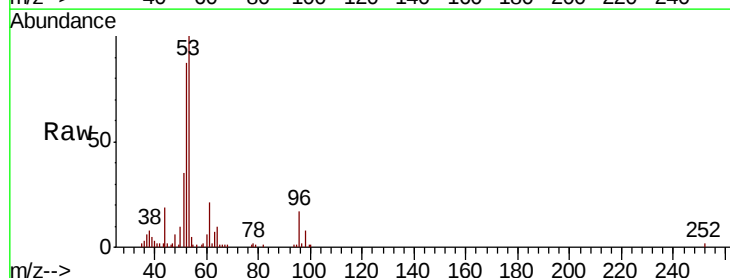
Manual Integrations
APPROVED

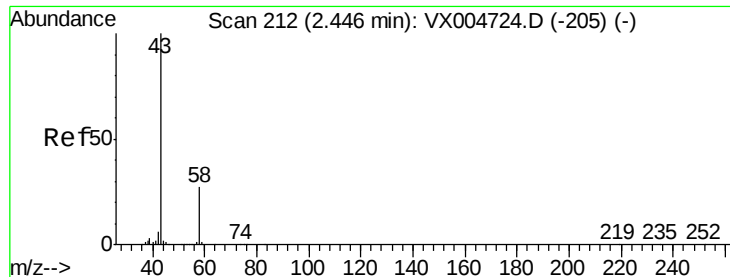
MMDadoda
10/1/2018 1:30:57 PM



#15
Acrylonitrile
Concen: 5.314 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.0	65.2	97.8
51	38.0	28.2	42.2





#16

Acetone

Concen: 6.017 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 15671

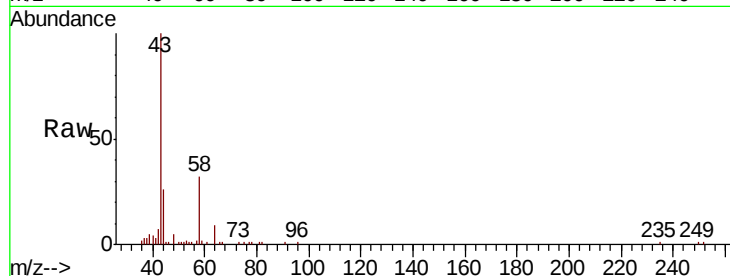
Ion Ratio Lower Upper

43 100

58 32.0 26.2 39.4

Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

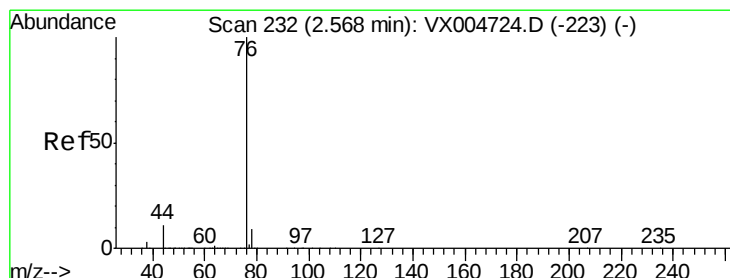
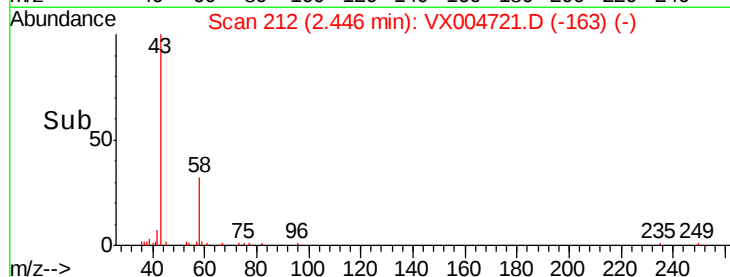
6000

4000

2000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 1.027 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004721.D

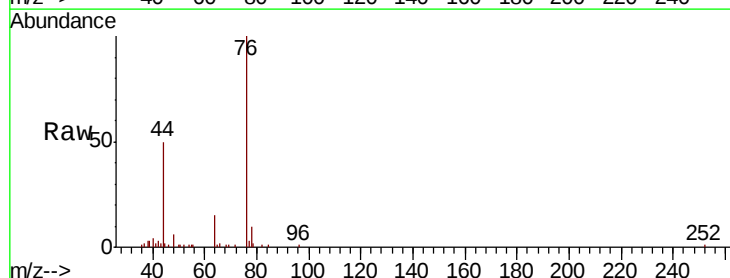
Acq: 26 Sep 2018 11:32

Tgt Ion: 76 Resp: 10309

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

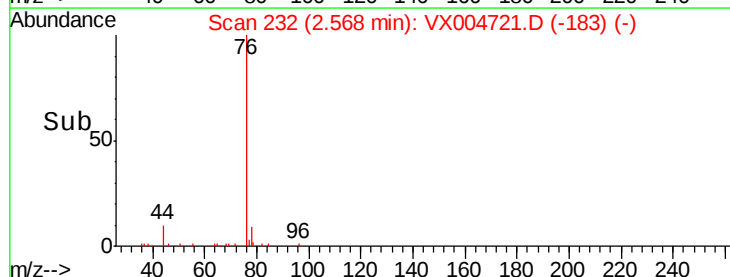
6000

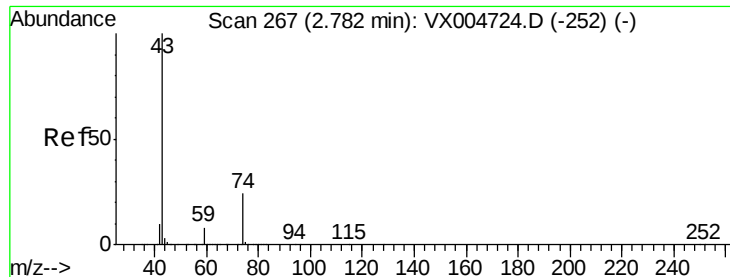
4000

2000

0

Time--> 2.50 2.55 2.60 2.65





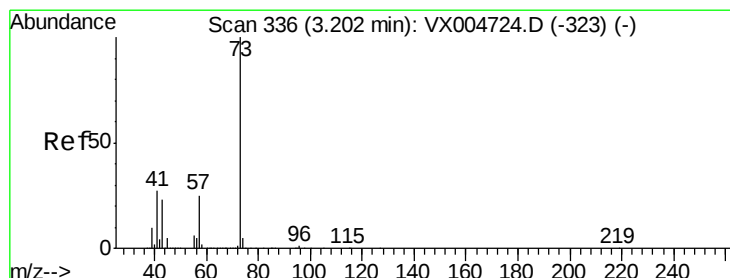
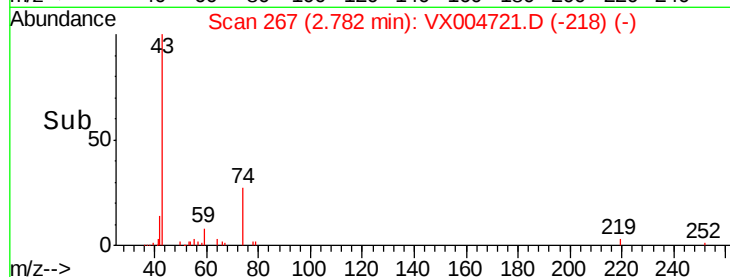
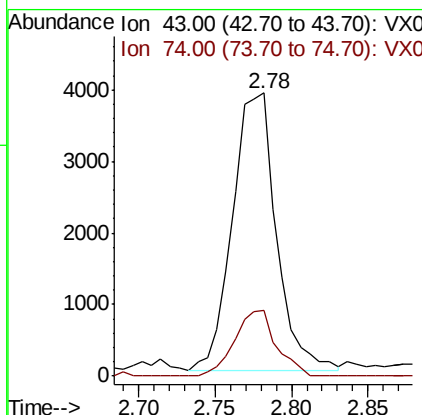
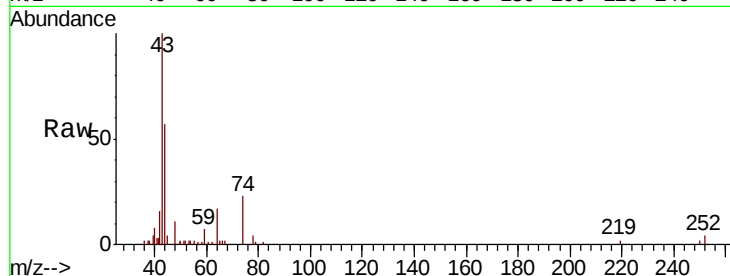
#18
Methyl Acetate
Concen: 1.210 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7675
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.2

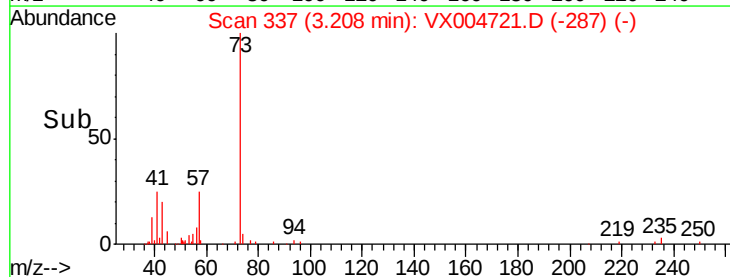
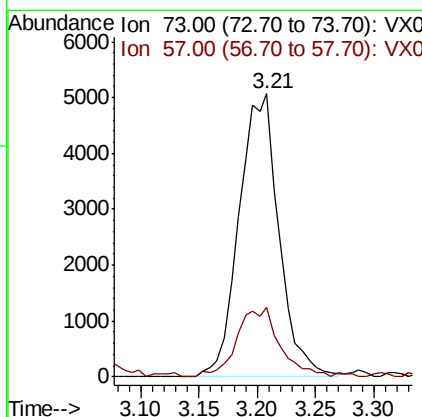
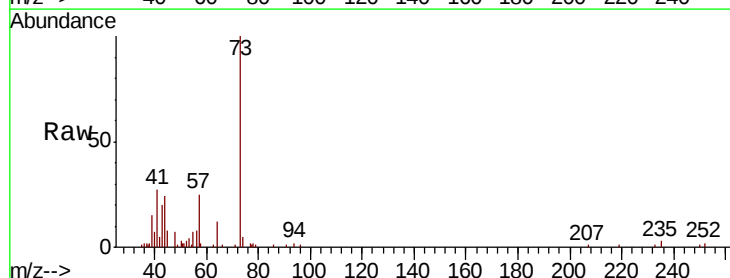
Manual Integrations
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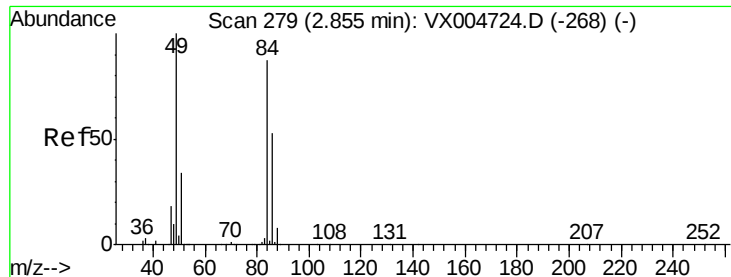
MMDadoda
10/1/2018 1:30:57 PM



#19
Methyl tert-butyl Ether
Concen: 1.096 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion: 73 Resp: 12115
Ion Ratio Lower Upper
73 100
57 24.6 17.1 25.7





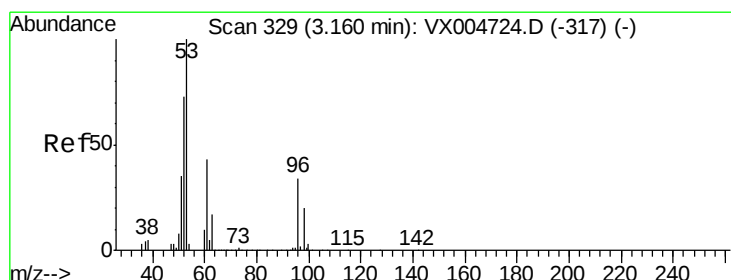
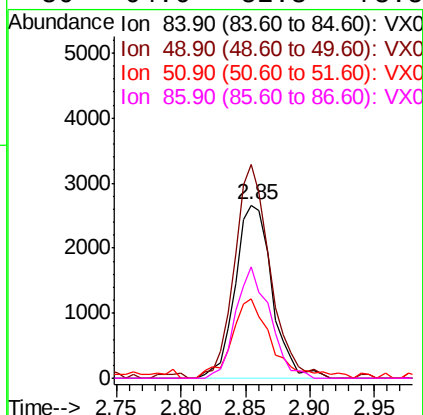
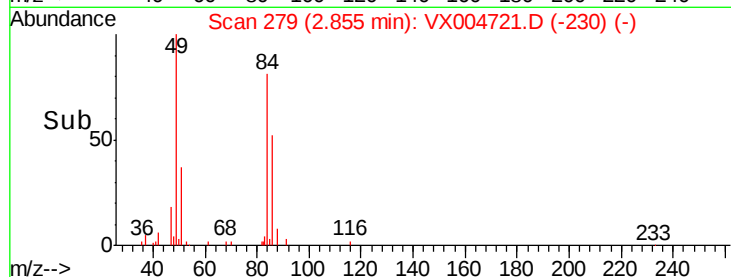
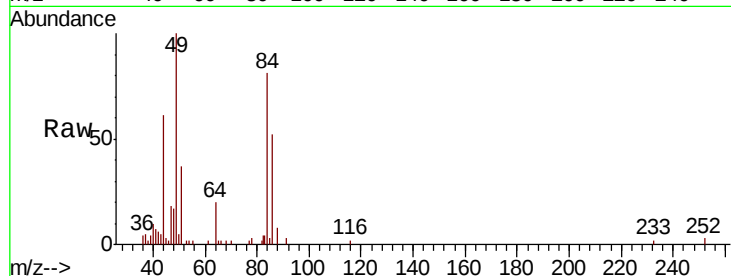
#20
Methvlene Chloride
Concen: 1.276 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	5268
Ion	Ratio	Lower	Upper
84	100		
49	123.2	101.2	151.8
51	45.6	29.5	44.3#
86	64.6	52.3	78.5

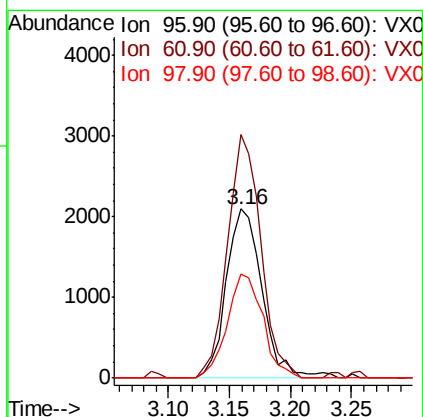
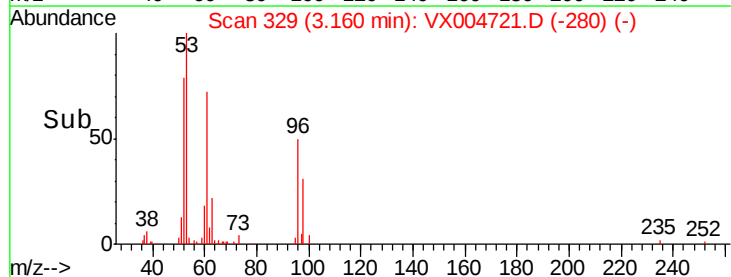
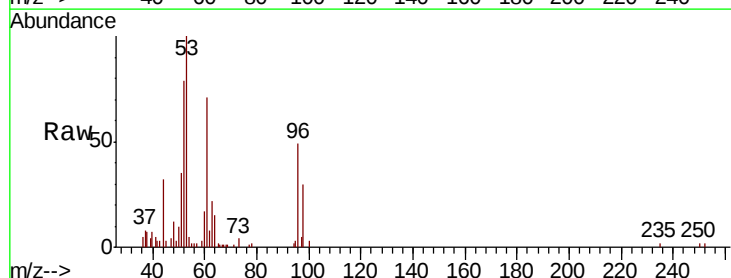
Manual Integrations
APPROVED

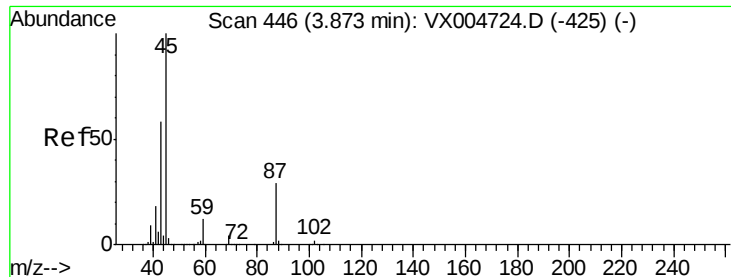
MMDadoda
10/1/2018 1:30:57 PM



#21
trans-1,2-Dichloroethene
Concen: 1.146 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion:	96	Resp:	4240
Ion	Ratio	Lower	Upper
96	100		
61	144.3	113.8	170.6
98	61.8	51.8	77.8





#22

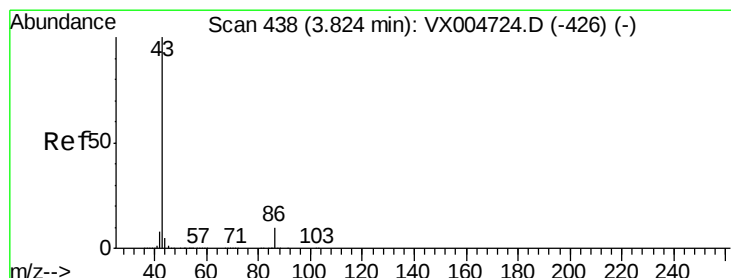
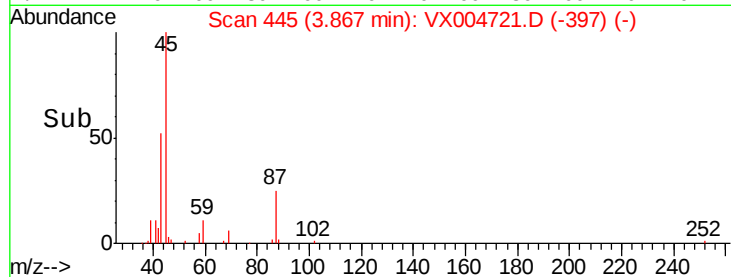
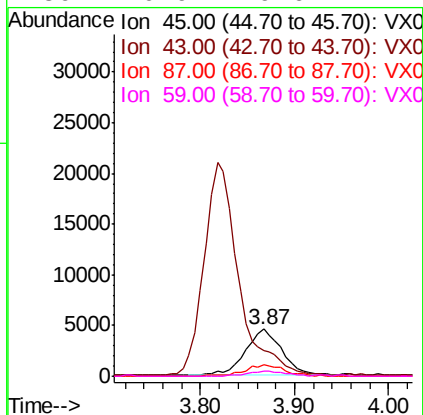
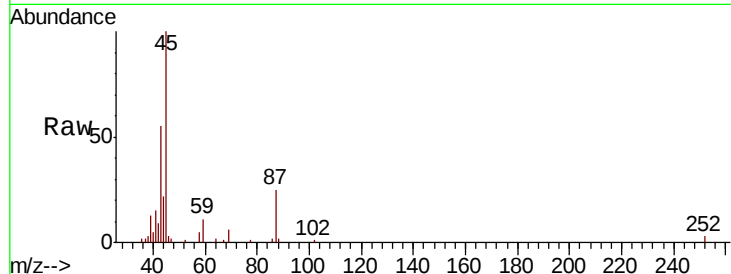
Diisopropyl ether
 Concen: 0.995 ug/l
 RT: 3.87 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	52.6	42.8	64.2
87	26.1	22.6	34.0
59	10.9	9.6	14.4

Manual Integrations
 APPROVED

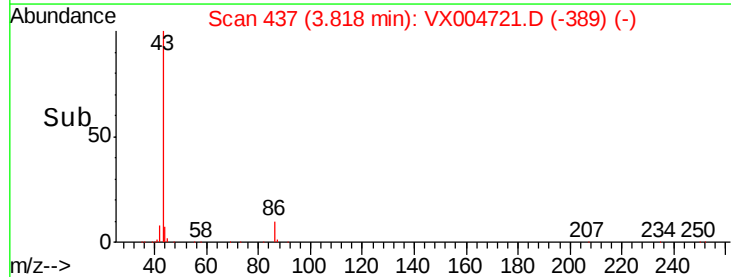
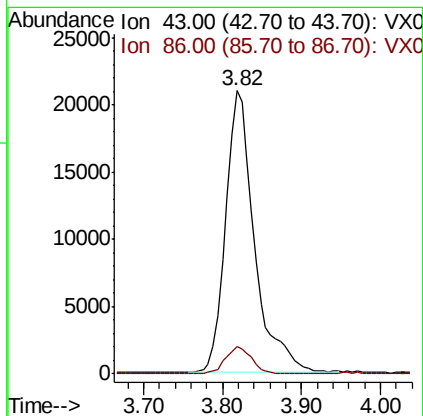
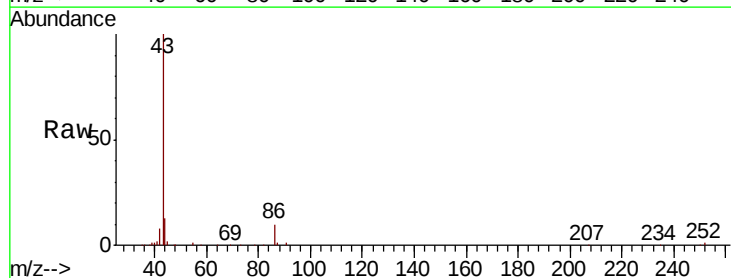
MMDadoda
 10/1/2018 1:30:57 PM

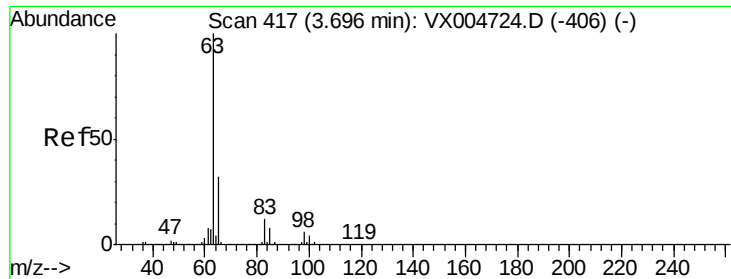


#23

Vinyl Acetate
 Concen: 4.572 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.9	13.3





#24

1,1-Dichloroethane

Concen: 1.109 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

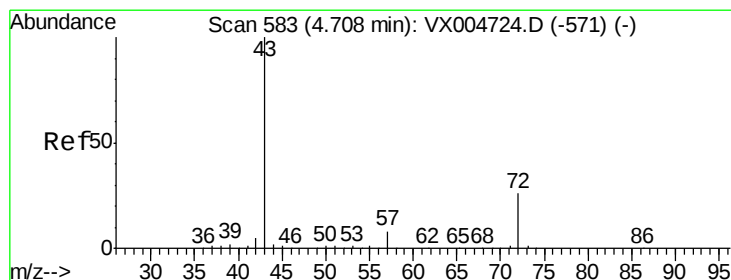
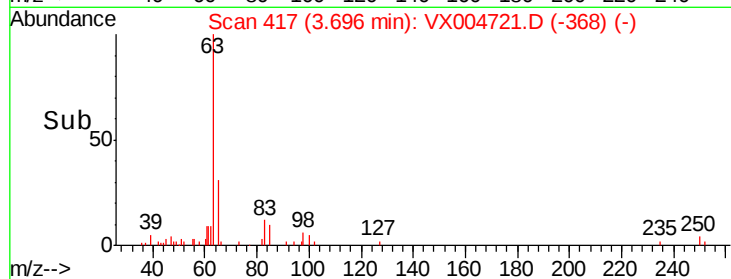
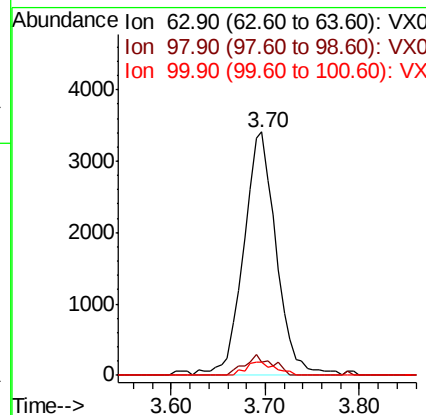
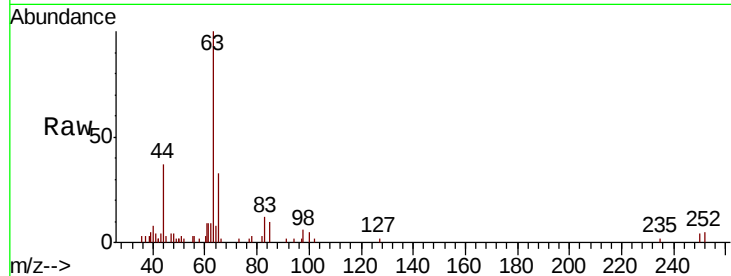
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	8248
Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.5	10.4
100	5.3	2.4	7.1

Manual Integrations
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MMDadoda
10/1/2018 1:30:57 PM



#25

2-Butanone

Concen: 4.975 ug/l

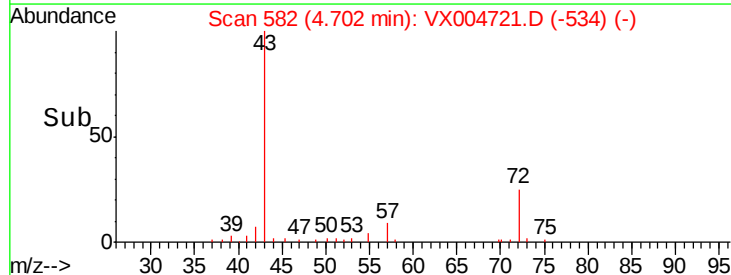
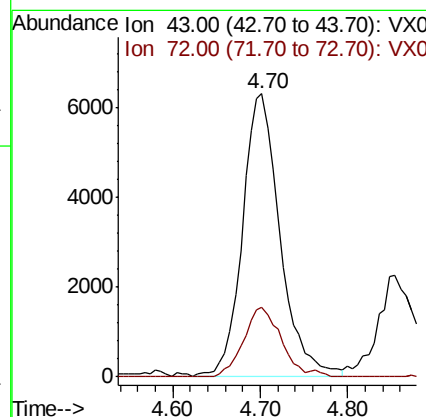
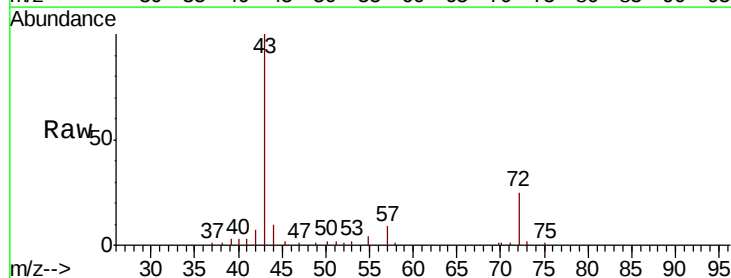
RT: 4.70 min Scan# 582

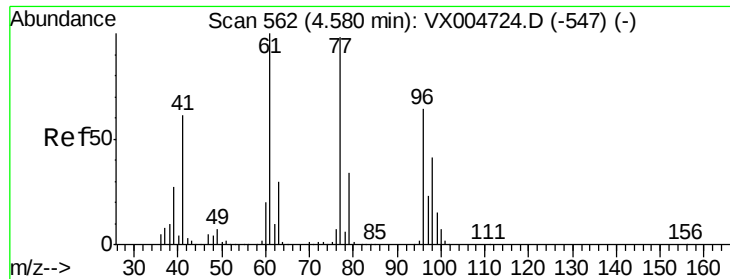
Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tgt Ion:	43	Resp:	18839
Ion	Ratio	Lower	Upper
43	100		
72	24.8	22.0	33.0





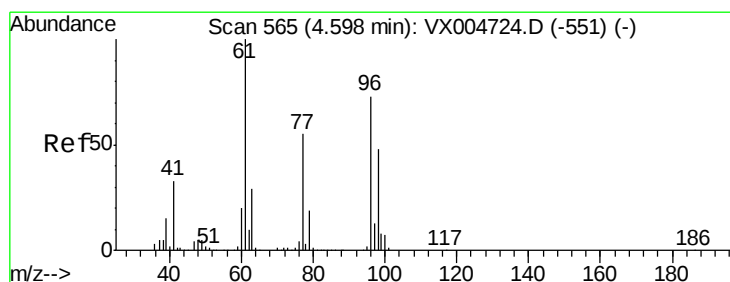
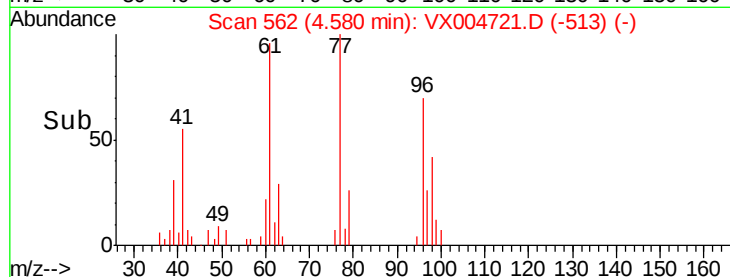
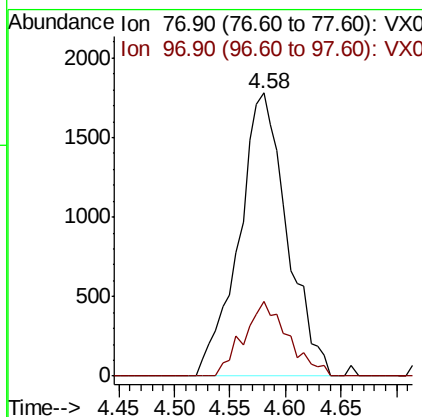
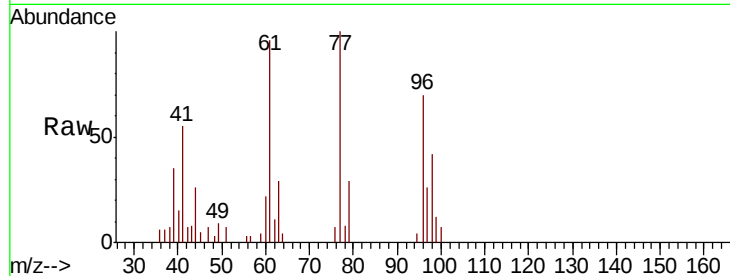
#26
 2,2-Dichloropropane
 Concen: 1.087 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 5373
 Ion Ratio Lower Upper
 77 100
 97 24.3 11.7 35.0

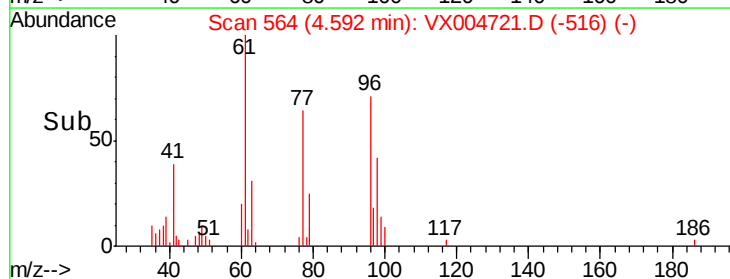
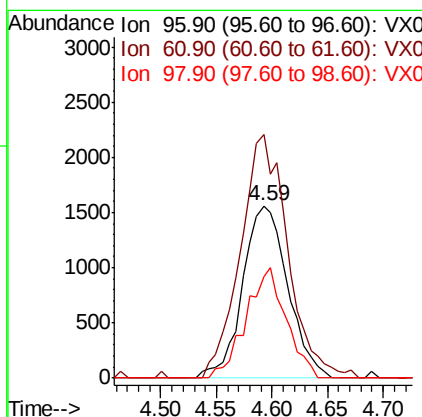
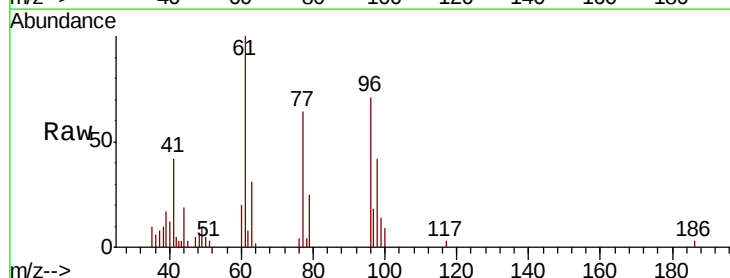
Manual Integrations
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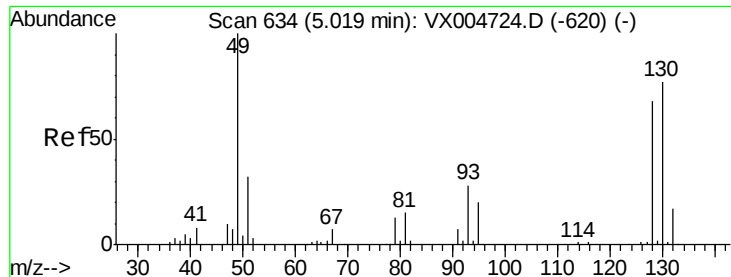
MMDadoda
 10/1/2018 1:30:57 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.069 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion: 96 Resp: 4411
 Ion Ratio Lower Upper
 96 100
 61 148.0 0.0 282.6
 98 56.8 0.0 130.2





#28

Bromochloromethane

Concen: 1.187 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 3875

Ion Ratio Lower Upper

49 100

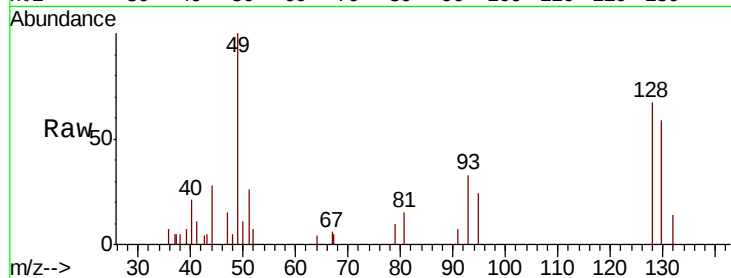
129 1.0 0.0 4.2

130 75.6 67.5 101.3

Manual Integrations
APPROVED

MMDadoda

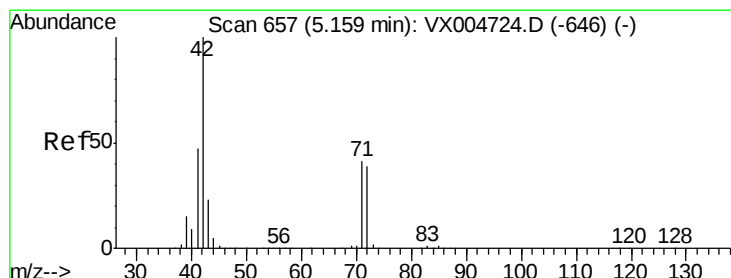
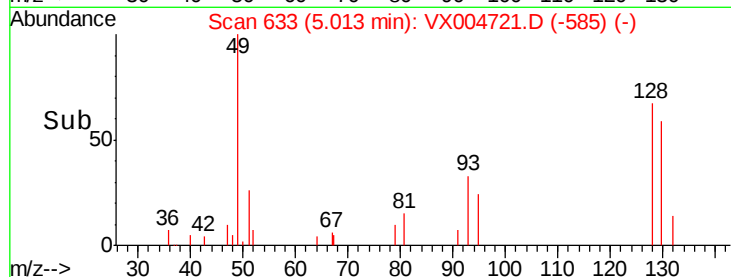
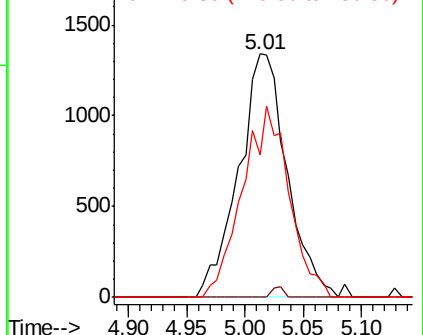
10/1/2018 1:30:57 PM



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 4.579 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

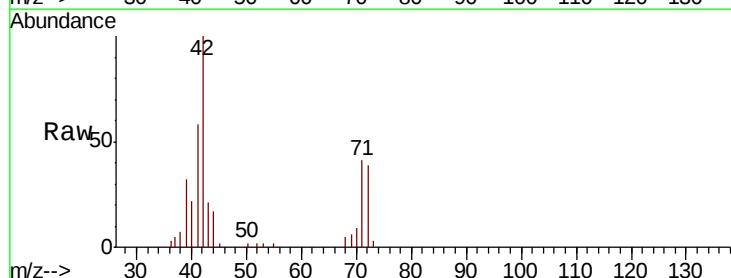
Tgt Ion: 42 Resp: 11201

Ion Ratio Lower Upper

42 100

72 39.4 37.4 56.0

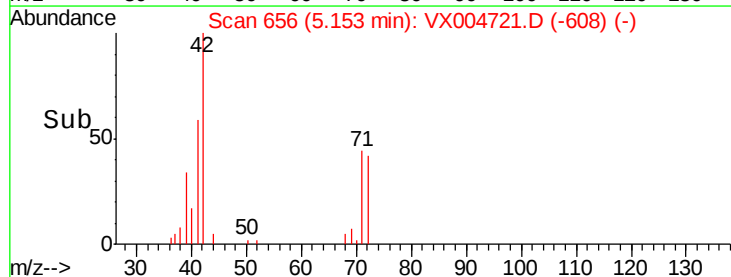
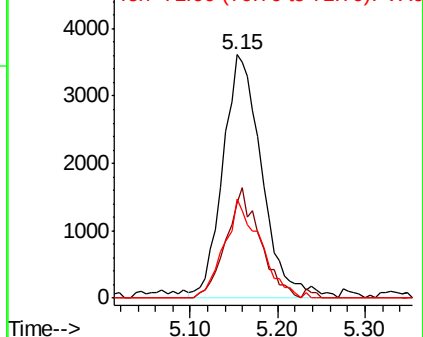
71 37.9 34.5 51.7

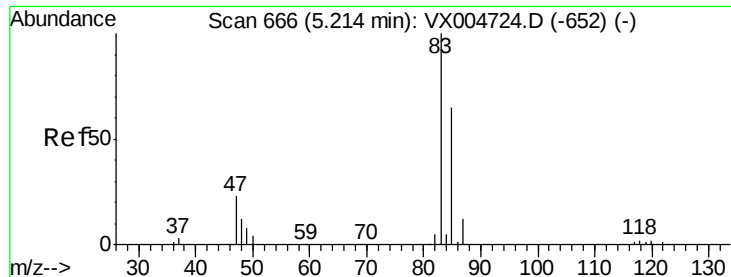


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 1.169 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 7564

Ion Ratio Lower Upper

83 100

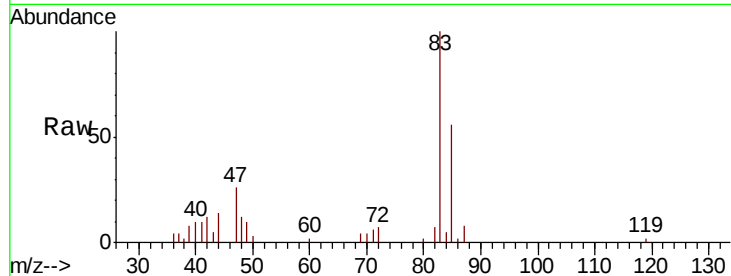
85 56.1 52.6 79.0

Manual Integrations

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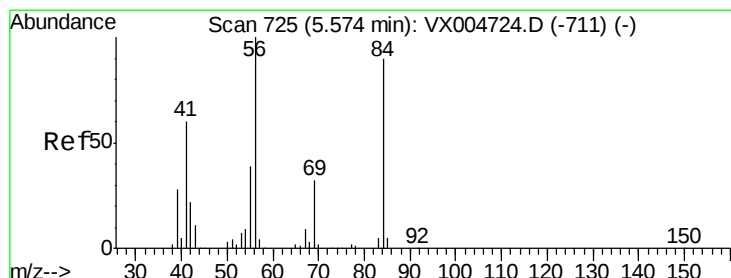
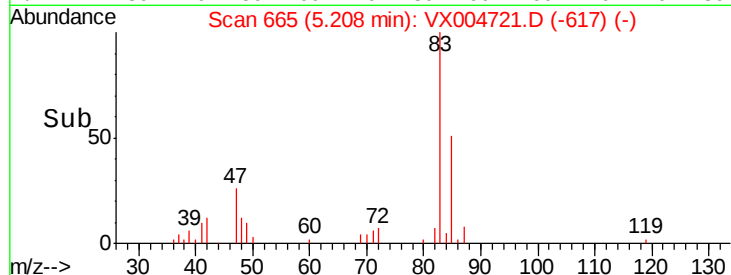
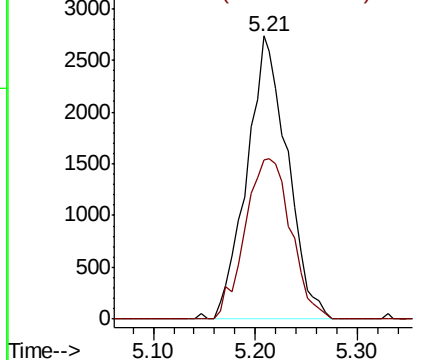
MMDadoda

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 0.811 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

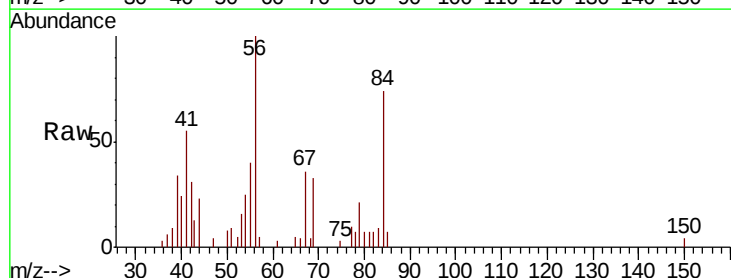
Tgt Ion: 56 Resp: 4942

Ion Ratio Lower Upper

56 100

69 32.8 25.4 38.2

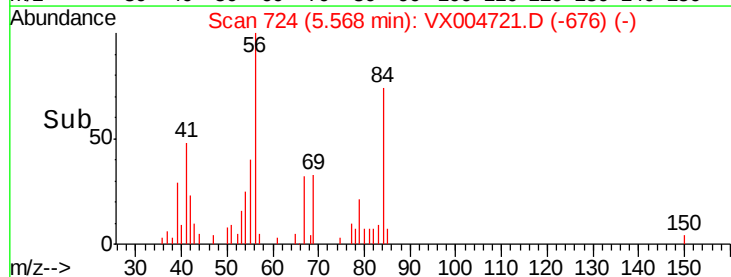
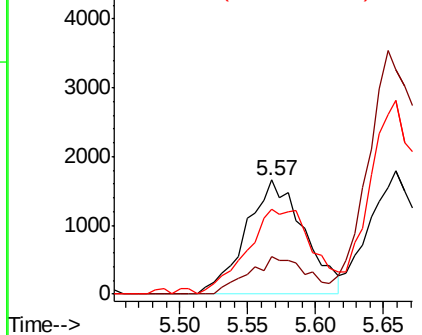
84 68.9 71.4 107.2#

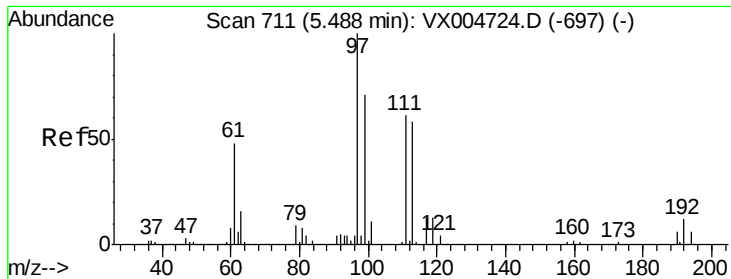


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#32

1,1,1-Trichloroethane

Concen: 1.081 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

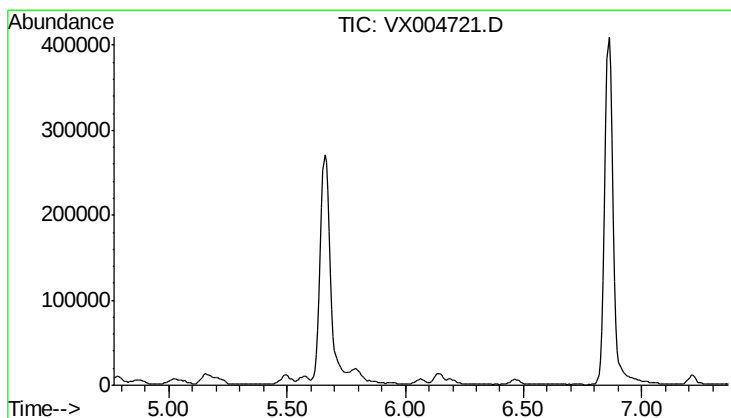
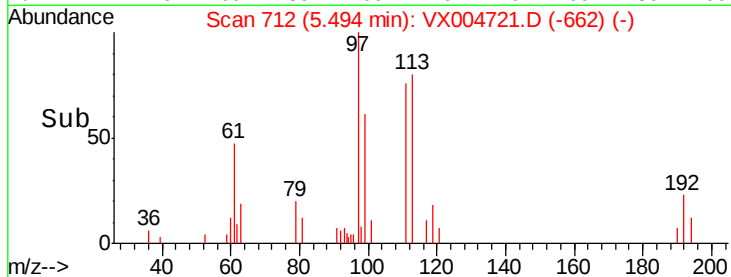
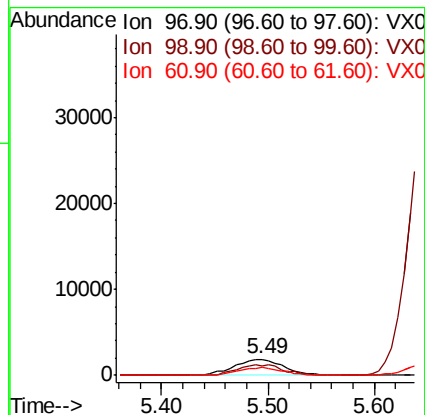
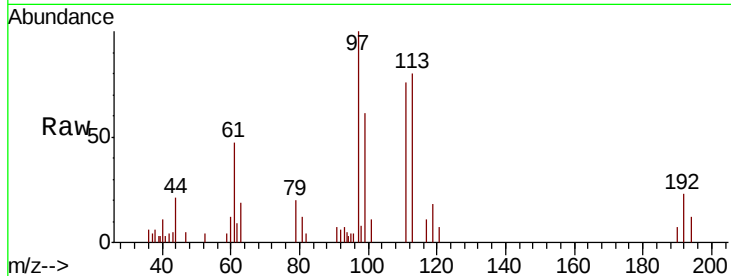
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		5977		
99	0.0	52.0	78.0#		
61	45.6	34.9	52.3		

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.07 min

Lab File: VX004721.D

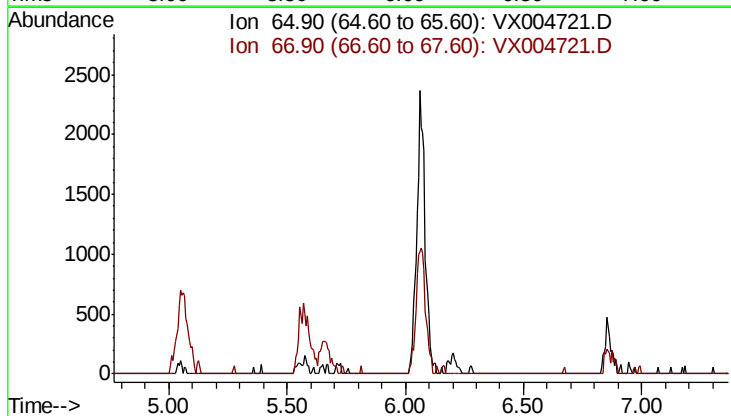
Acq: 26 Sep 2018 11:32

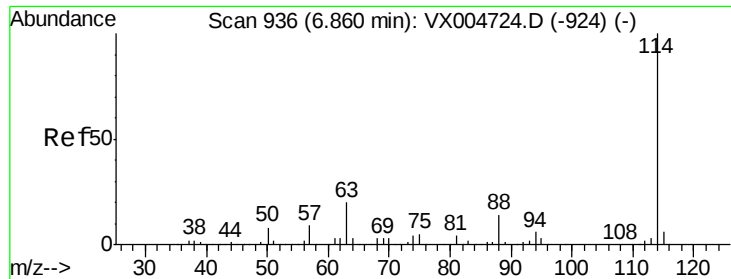
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.4





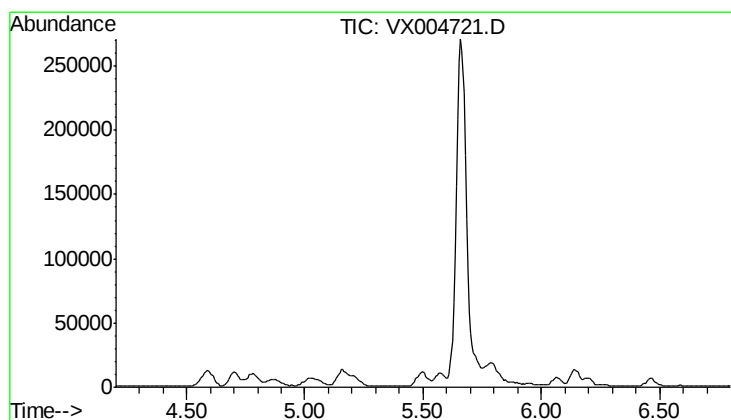
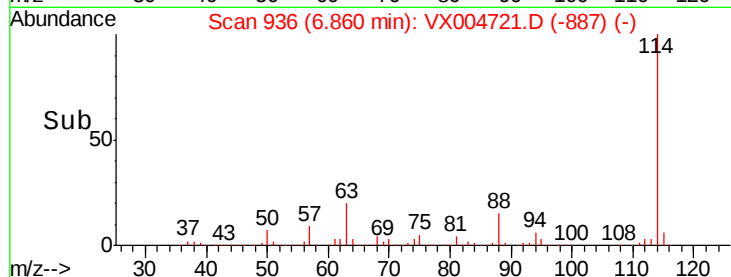
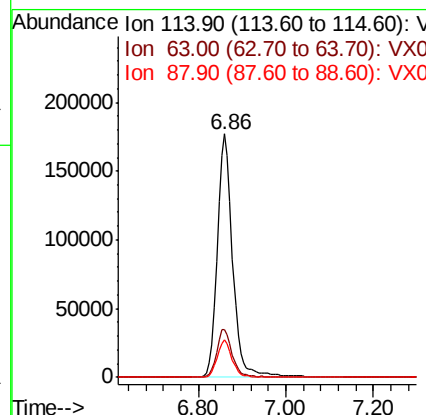
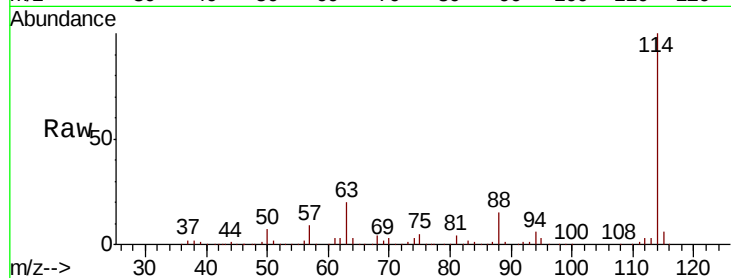
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.8	0.0	39.0
88	15.4	0.0	30.4

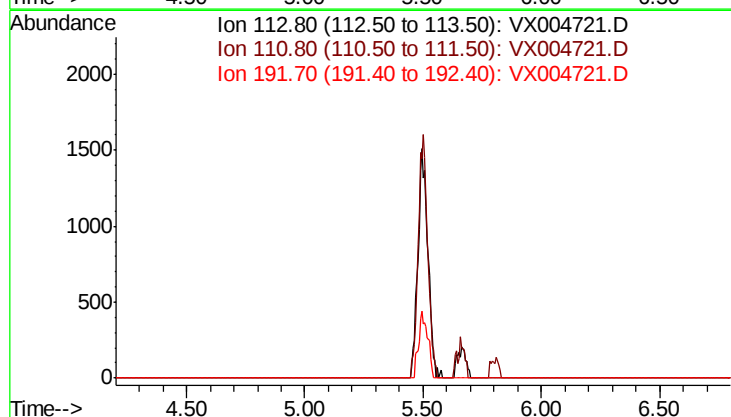
Manual Integrations
 APPROVED

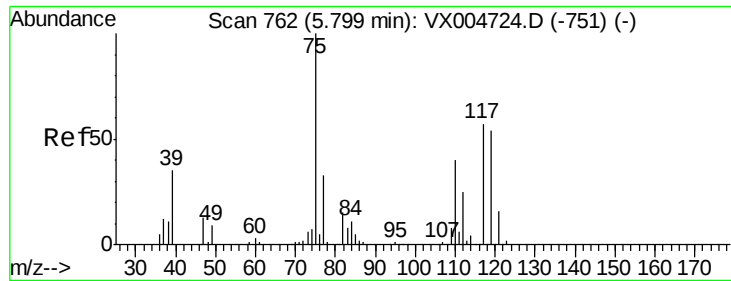
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.50 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion	Exp Ratio
113	100
111	103.0
192	24.3





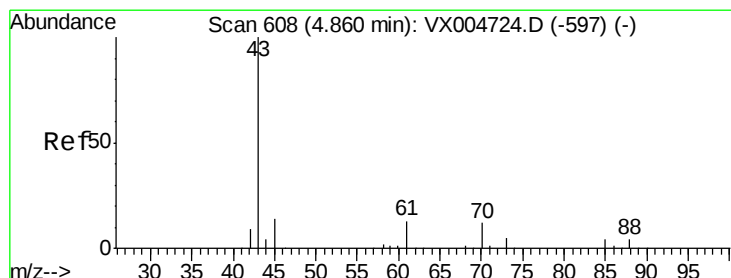
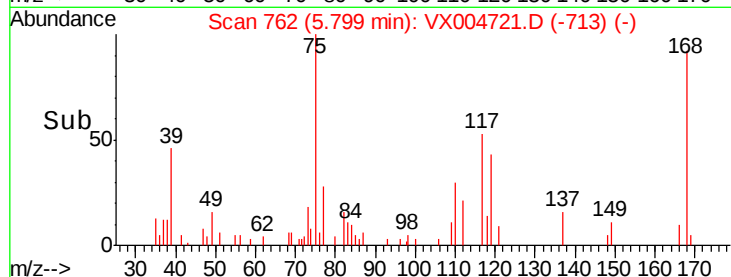
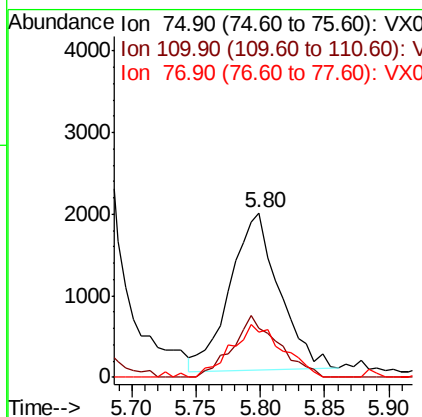
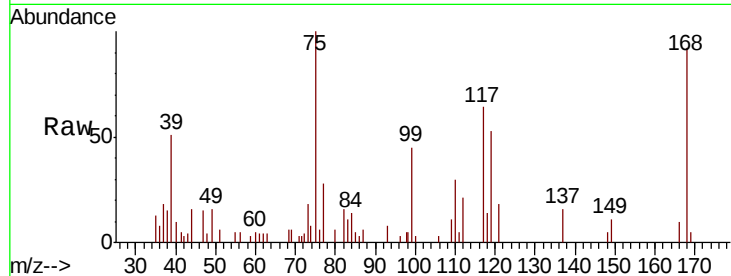
#36
 1,1-Dichloropropene
 Concen: 1.051 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	5147
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.0	54.0
77	34.9	24.6	36.8

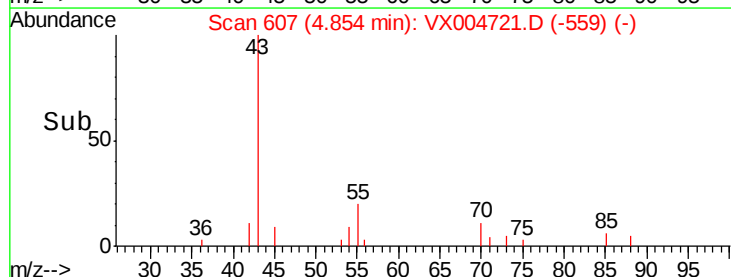
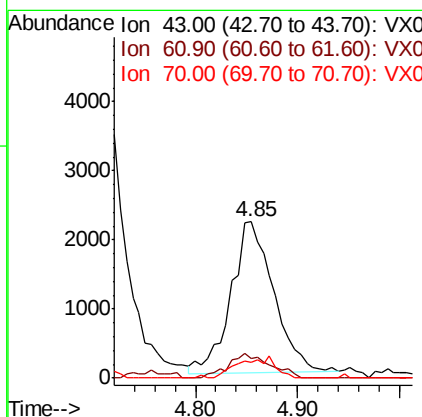
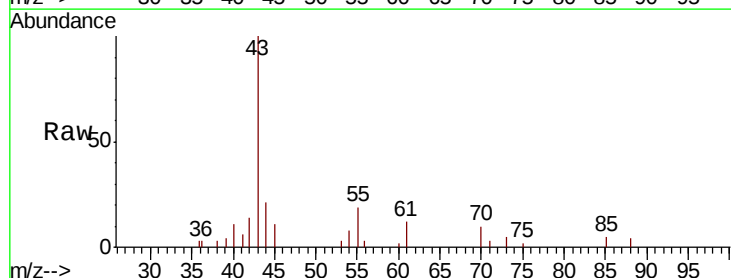
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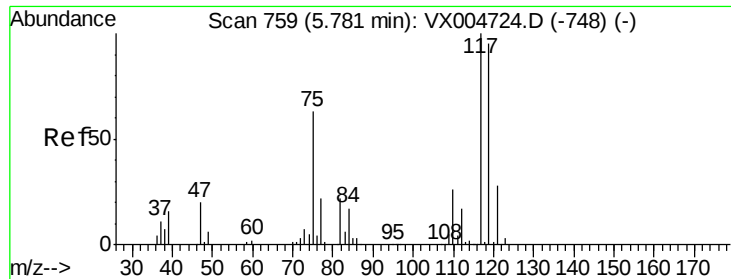
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#37
 Ethyl Acetate
 Concen: 0.948 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion:	43	Resp:	6349
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	0.0	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 1.253 ug/l

RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

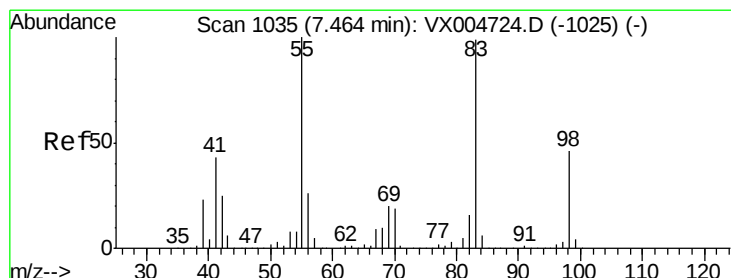
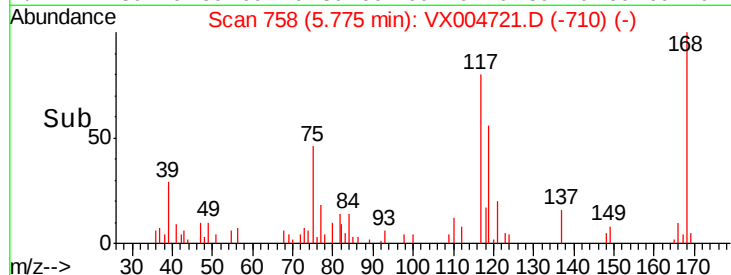
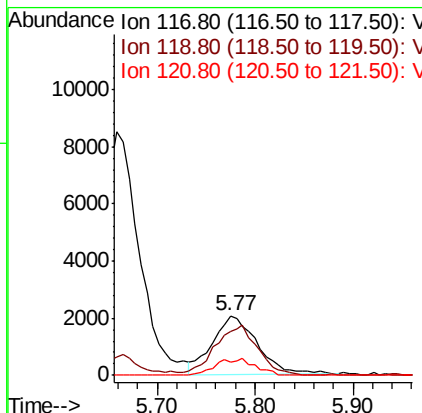
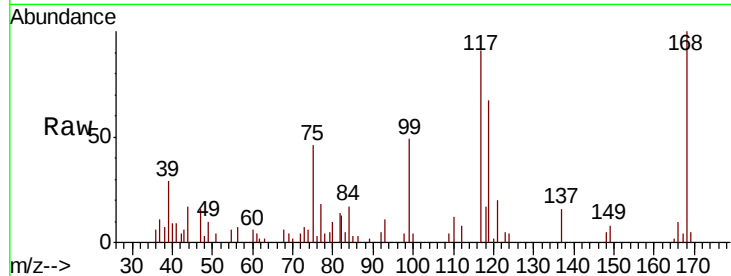
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	6472
Ion	Ratio	Lower	Upper
117	100		
119	75.5	78.8	118.2#
121	22.5	24.9	37.3#

Manual Integrations
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#39

Methylcyclohexane

Concen: 0.990 ug/l

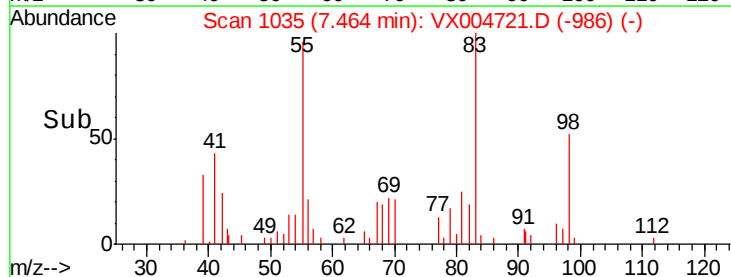
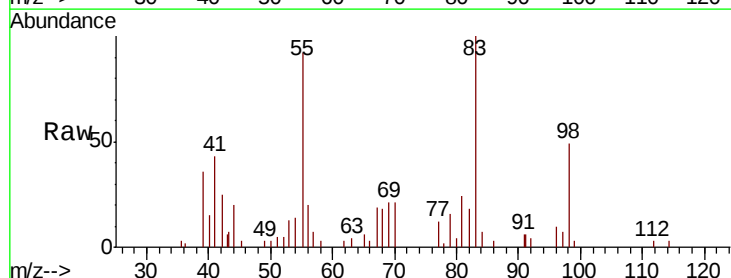
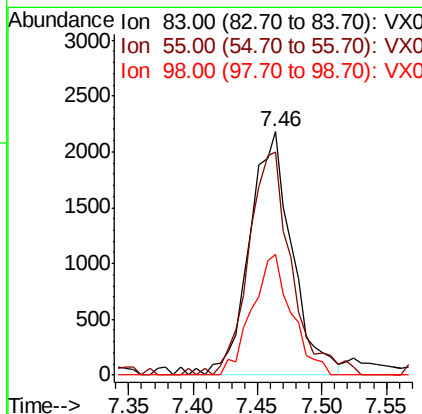
RT: 7.46 min Scan# 1035

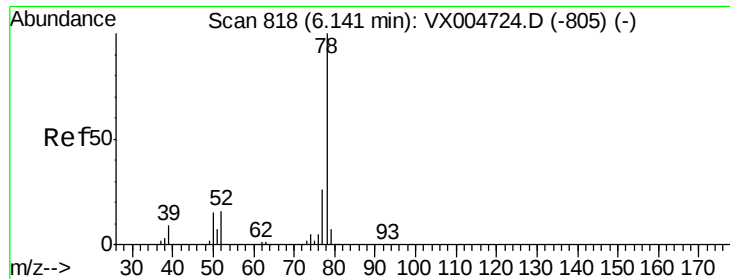
Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tgt Ion:	83	Resp:	4973
Ion	Ratio	Lower	Upper
83	100		
55	88.8	61.0	91.4
98	49.4	39.6	59.4





#40

Benzene

Concen: 1.019 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 15373

Ion Ratio Lower Upper

78 100

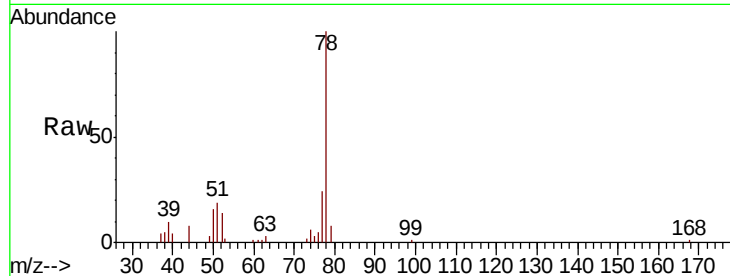
77 24.5 19.0 28.4

Manual Integrations

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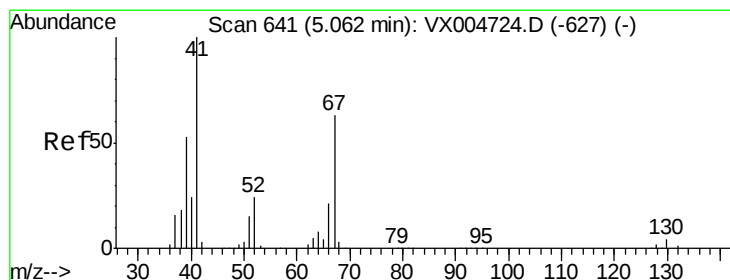
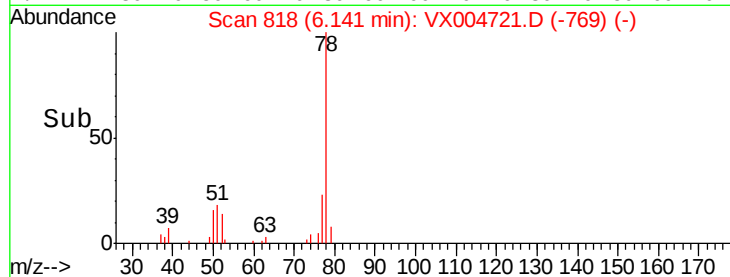
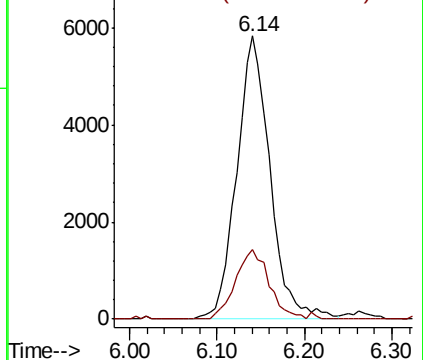
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 0.914 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tgt Ion: 41 Resp: 3524

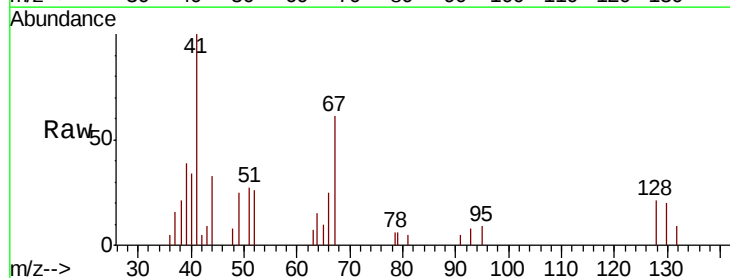
Ion Ratio Lower Upper

41 100

39 0.0 42.4 63.6#

67 64.6 59.2 88.8

52 0.0 23.0 34.4#

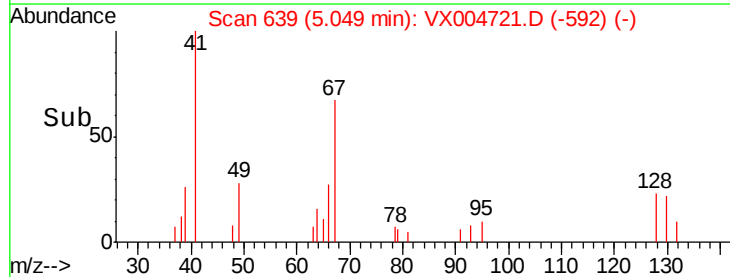
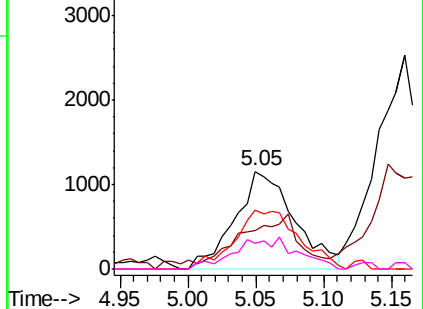


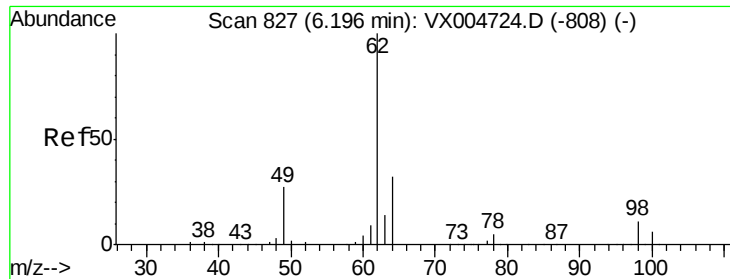
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





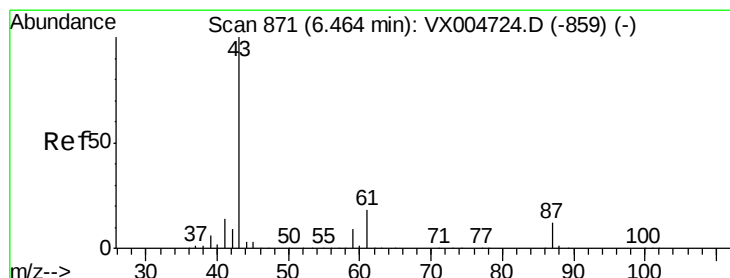
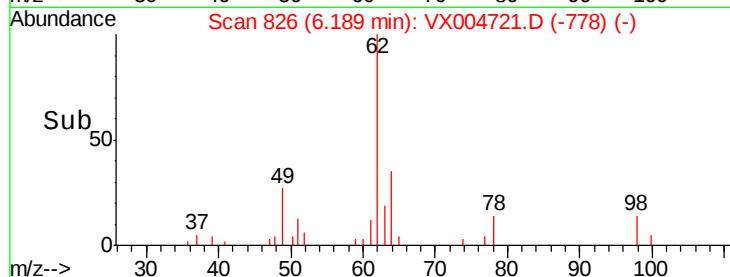
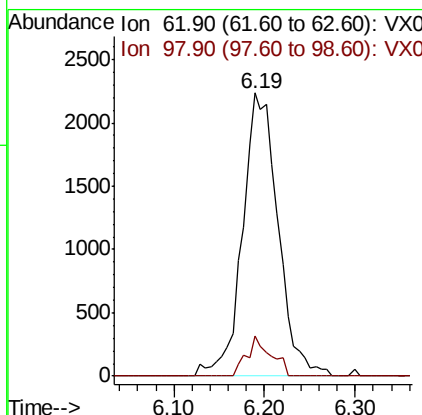
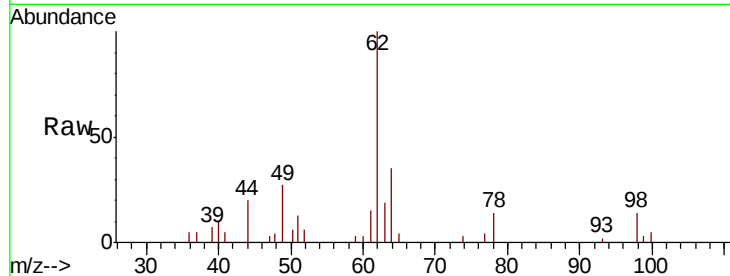
#42
 1,2-Dichloroethane
 Concen: 1.123 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	6082		
98	9.6	0.0	20.6	

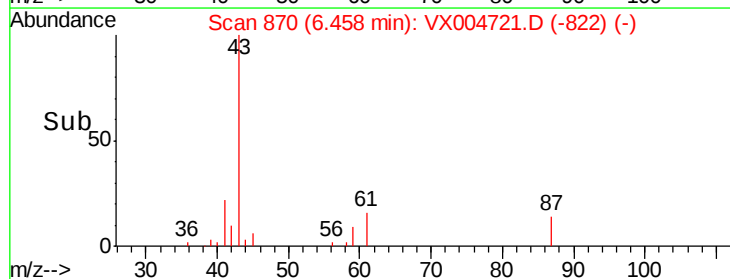
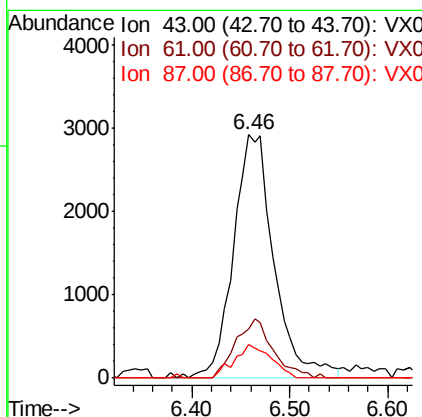
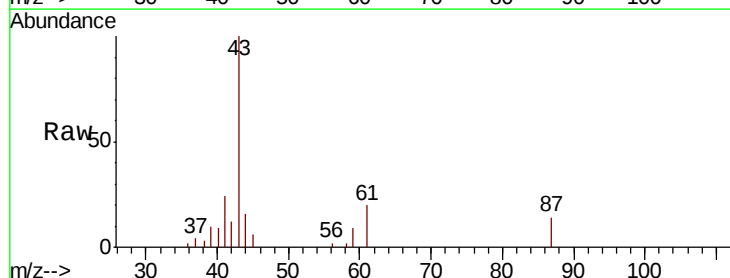
Manual Integrations
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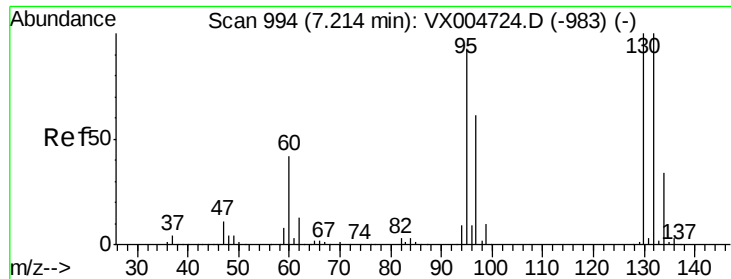
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#43
 Isopropyl Acetate
 Concen: 0.819 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	8443		
61	22.4	17.0	25.4	
87	12.5	11.4	17.2	





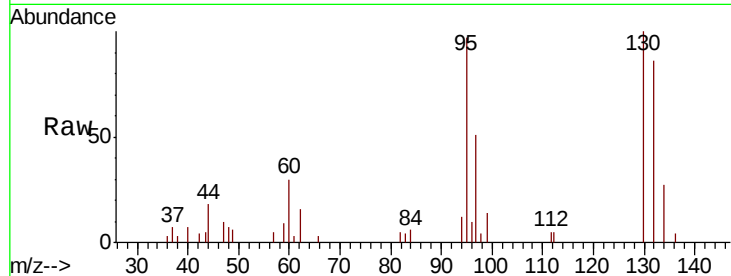
#44
 Trichloroethene
 Concen: 1.355 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

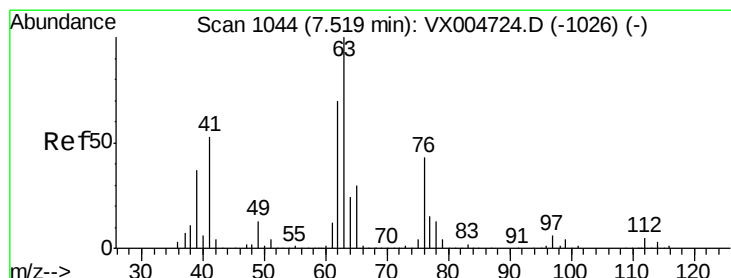
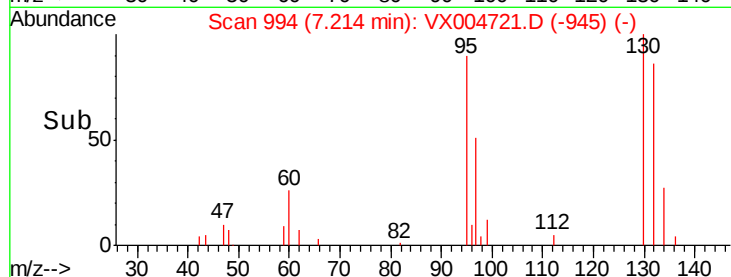
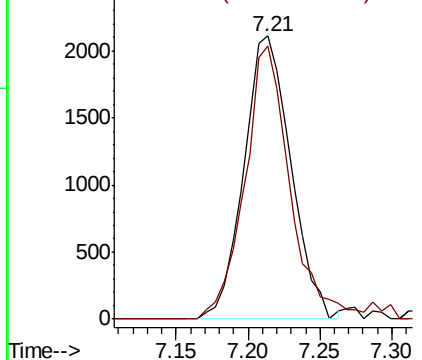
Tot Ion:130 Resp: 4761
 Ion Ratio Lower Upper
 130 100
 95 96.7 0.0 181.6

Manual Integrations
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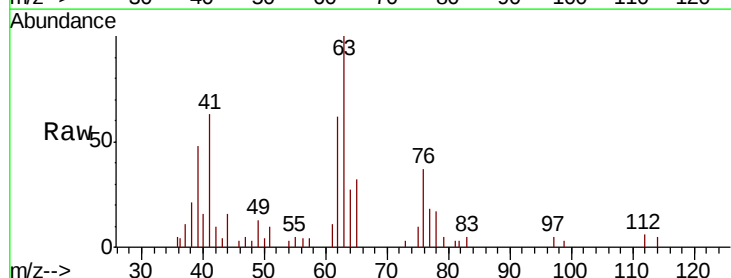


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

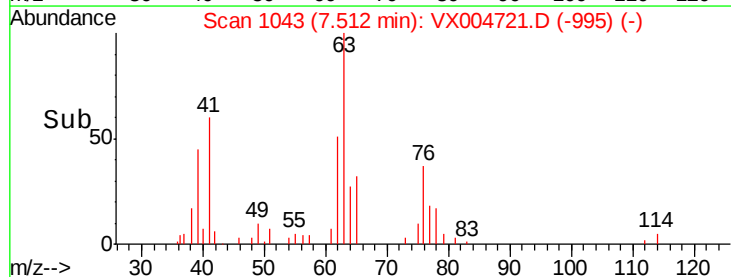
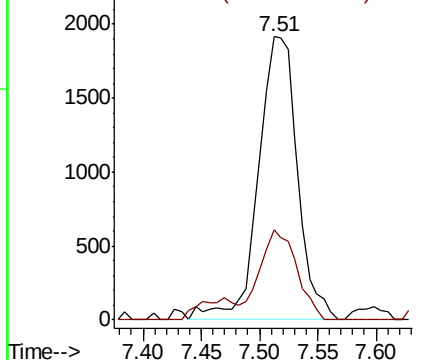


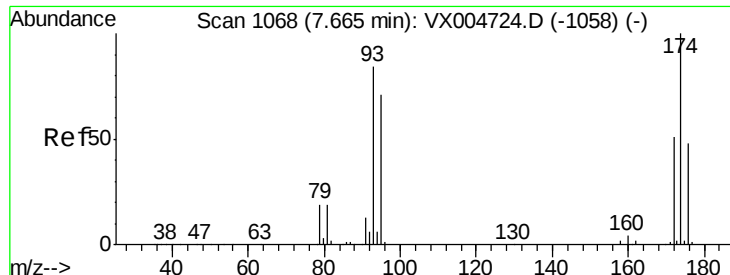
#45
 1,2-Dichloropropane
 Concen: 1.242 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion: 63 Resp: 4484
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0





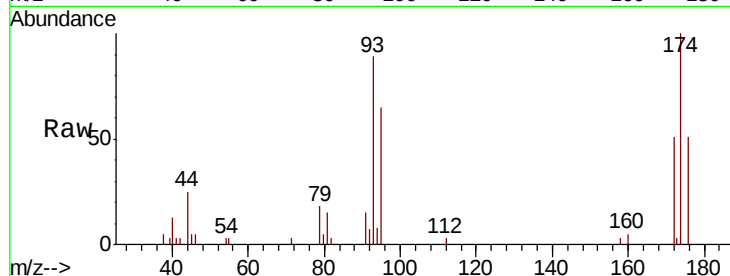
#46
Dibromomethane
Concen: 1.312 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

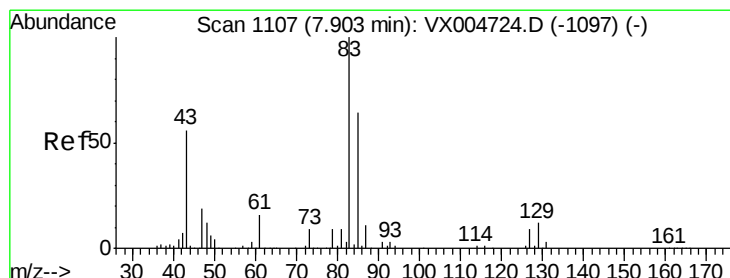
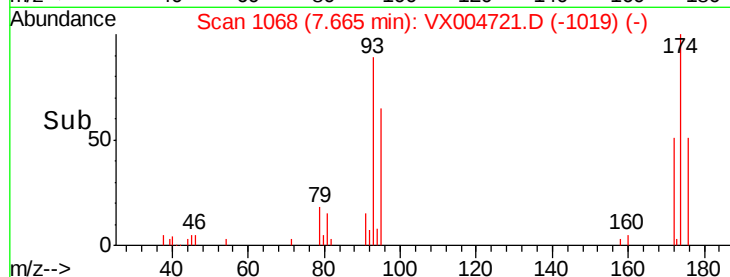
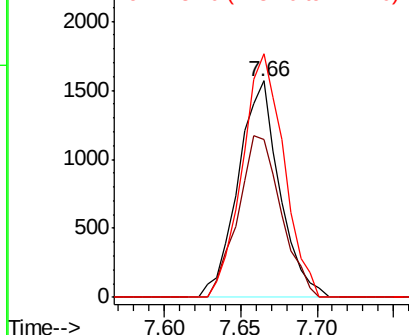
Tot Ion	Ratio	Lower	Upper
93	100		
95	77.4	65.5	98.3
174	113.0	94.2	141.4

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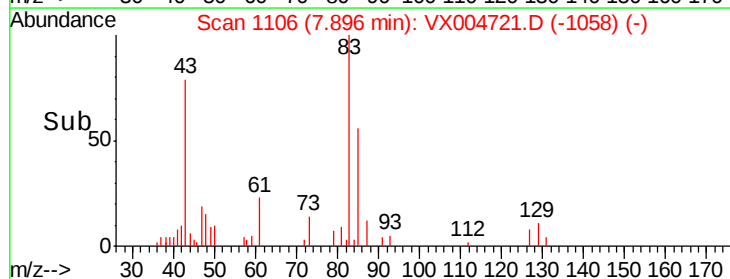
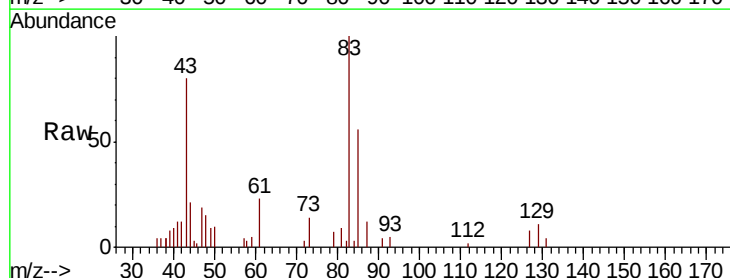
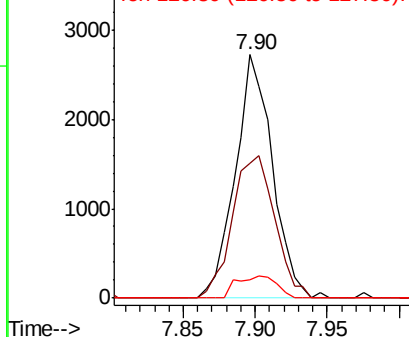
Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

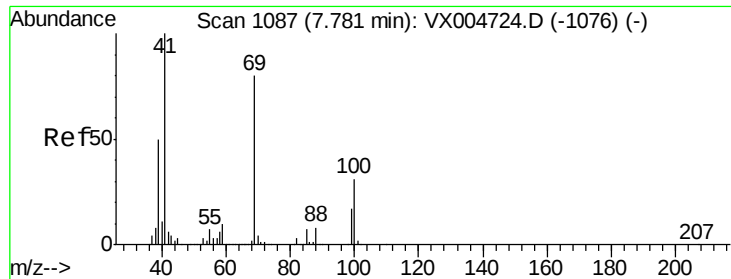


#47
Bromodichloromethane
Concen: 1.129 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.6	50.9	76.3
127	7.6	7.3	10.9

Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V





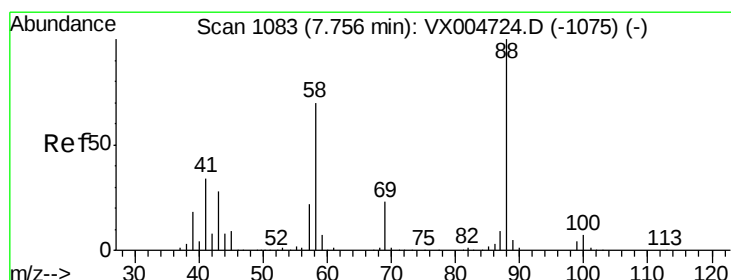
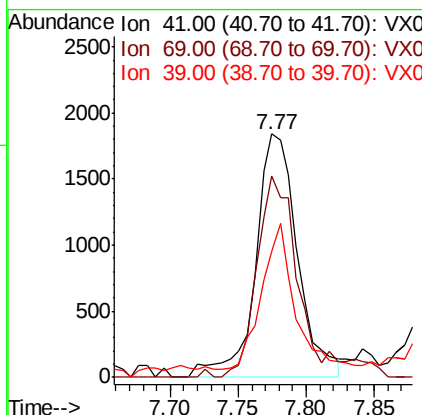
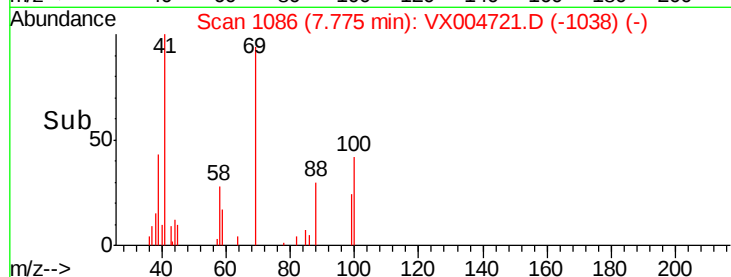
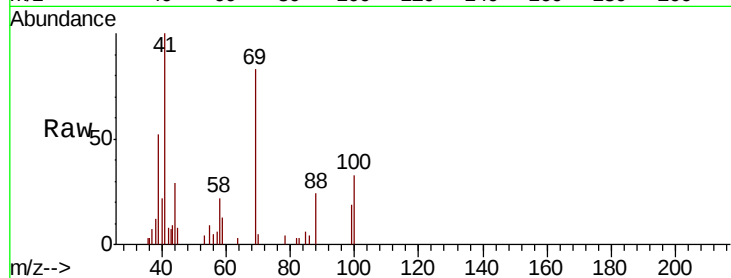
#48
Methvl methacrylate
Concen: 0.896 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	80.2	70.2	105.4
39	46.4	42.7	64.1

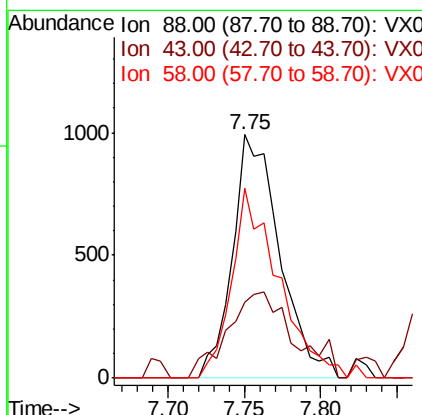
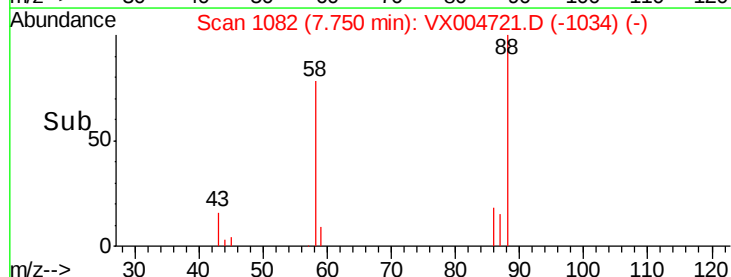
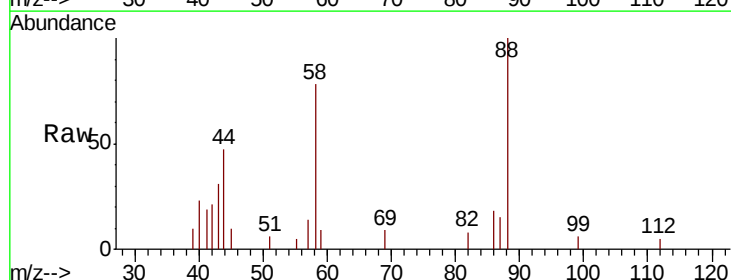
Manual Integrations
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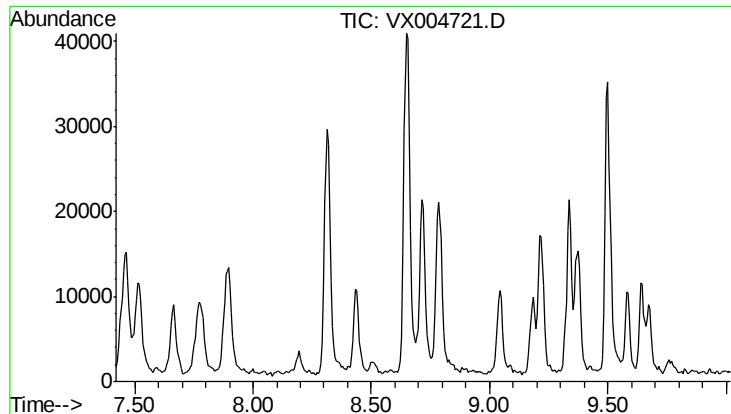
MMDadoda
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#49
1,4-Dioxane
Concen: 19.059 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
88	100		
43	49.6	24.7	37.1#
58	78.4	55.3	82.9





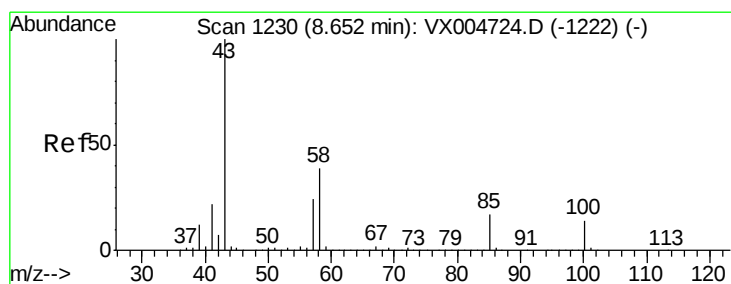
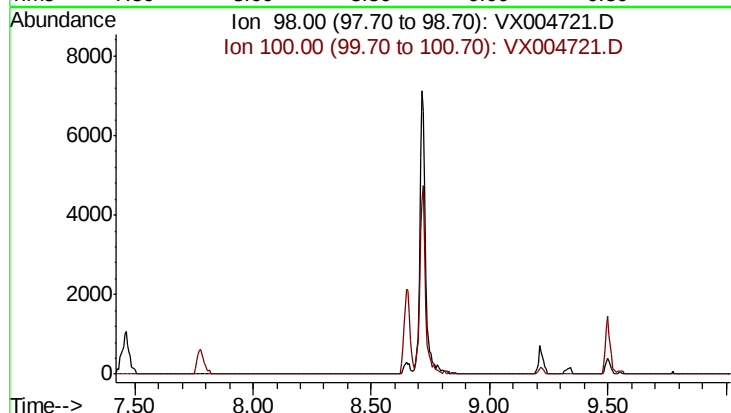
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.72 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tot Ion: 98
Sig Exp Ratio
98 100
100 66.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

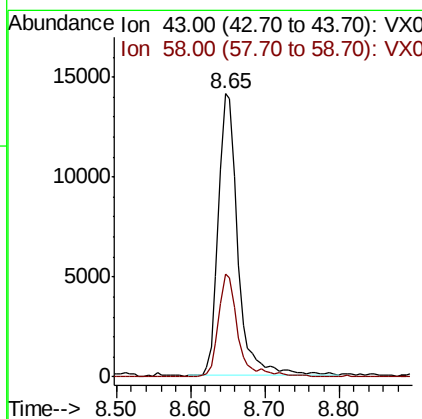
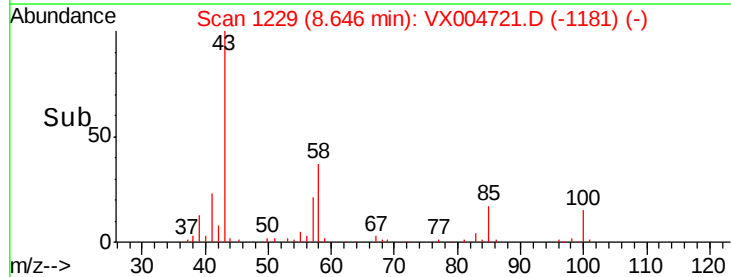
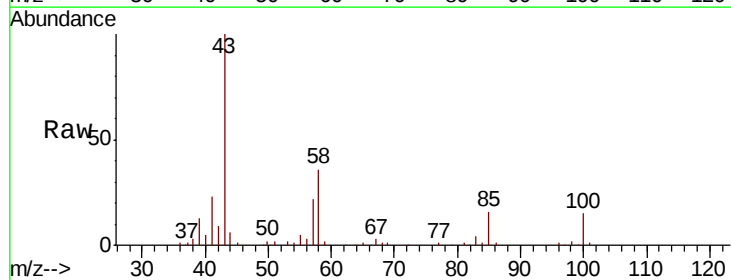
Manual Integrations
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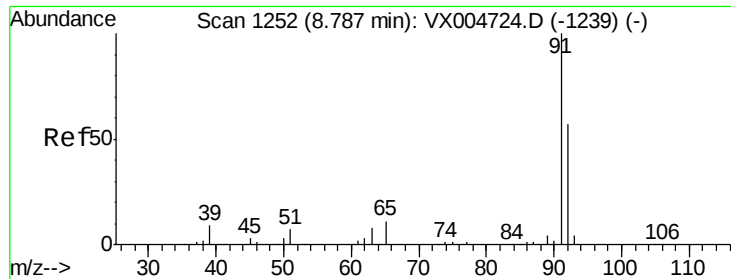
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#51
4-Methyl-2-Pentanone
Concen: 4.242 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion: 43 Resp: 25875
Ion Ratio Lower Upper
43 100
58 36.4 33.1 49.7





#52

Toluene

Concen: 0.907 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 7865

Ion Ratio Lower Upper

92 100

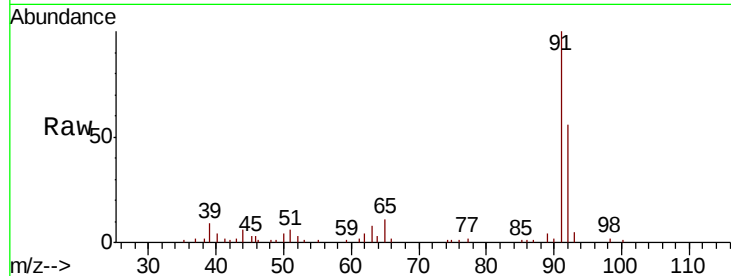
91 174.8 136.4 204.6

Manual Integrations

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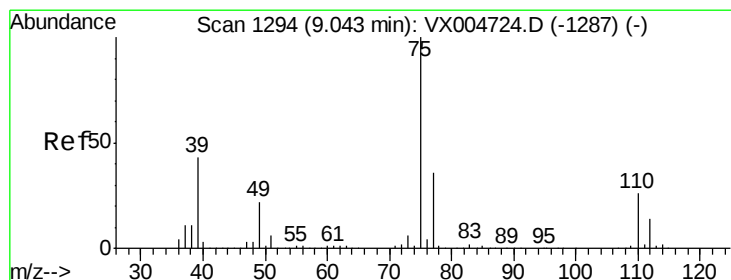
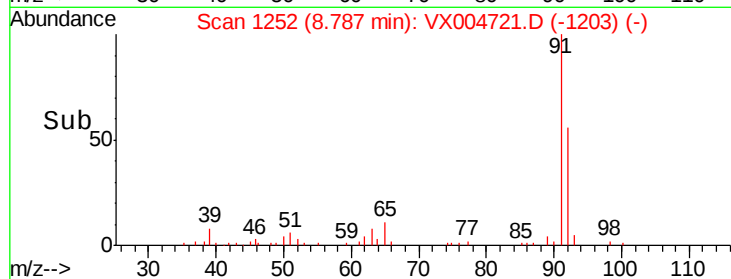
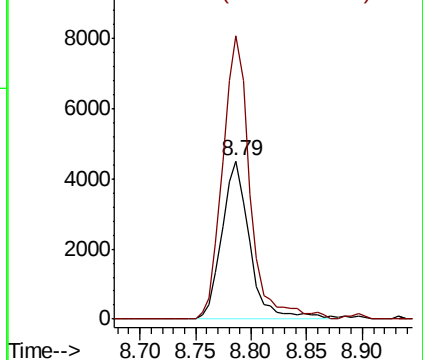
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.844 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004721.D

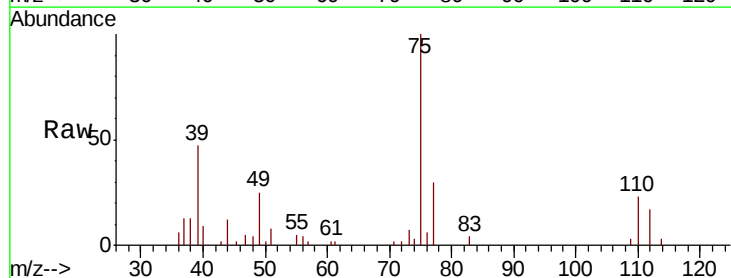
Acq: 26 Sep 2018 11:32

Tgt Ion: 75 Resp: 4581

Ion Ratio Lower Upper

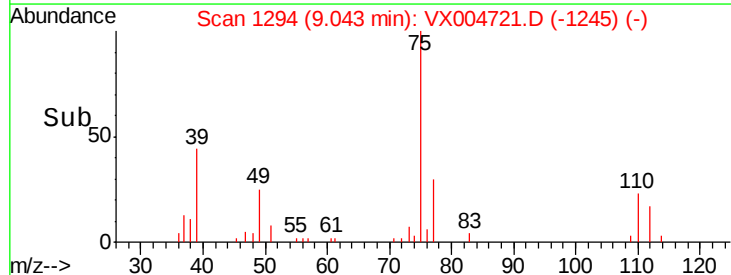
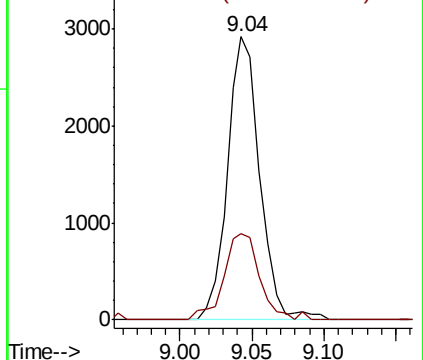
75 100

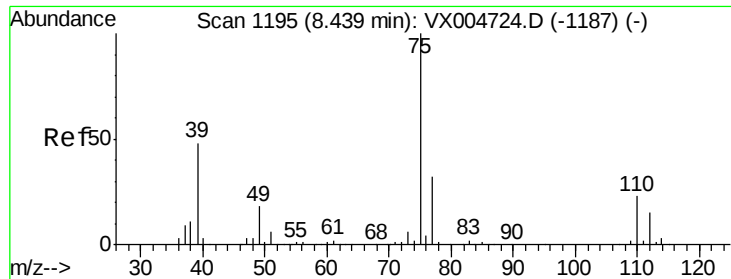
77 30.3 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





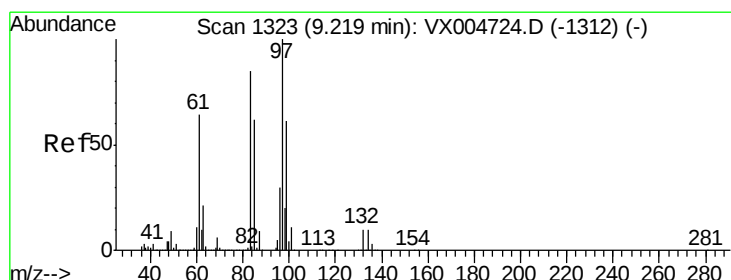
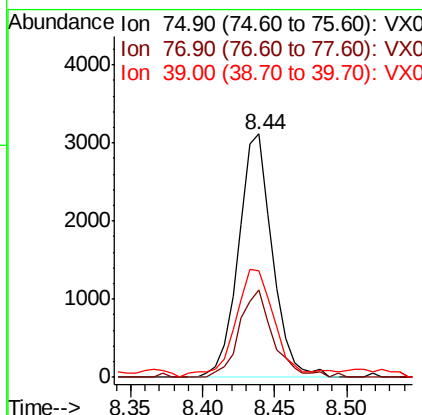
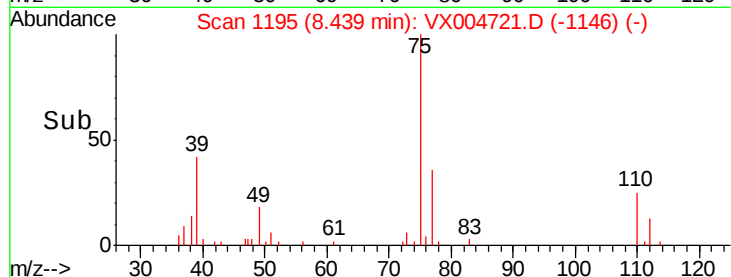
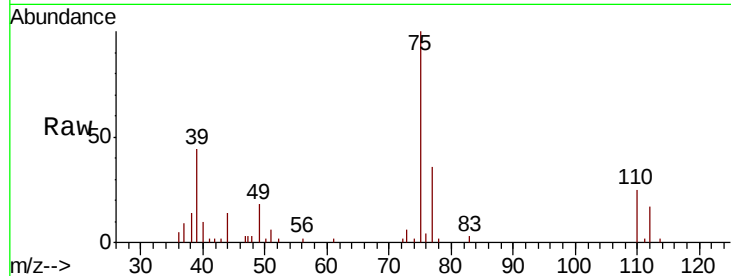
#54
 cis-1,3-Dichloropropene
 Concen: 0.954 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.8	26.2	39.2
39	42.3	36.4	54.6

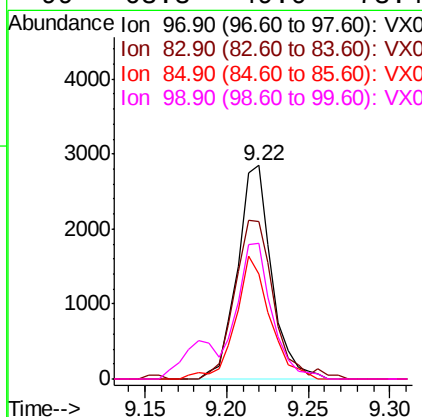
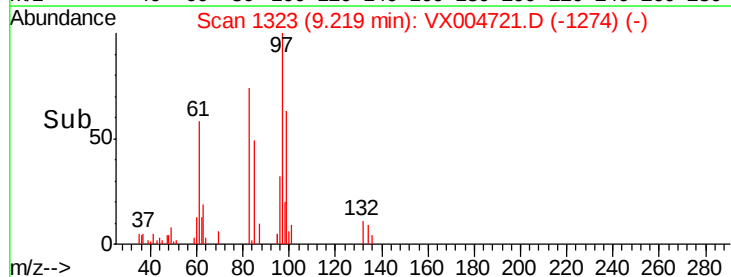
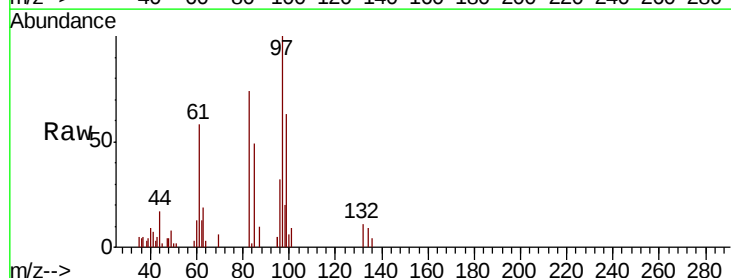
Manual Integrations
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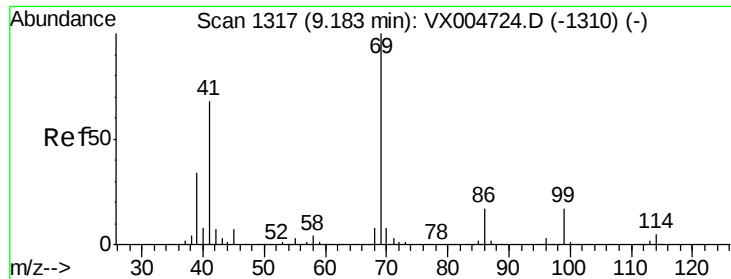
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#55
 1,1,2-Trichloroethane
 Concen: 1.101 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
97	100		
83	73.6	66.4	99.6
85	49.0	43.3	64.9
99	63.3	49.0	73.4





#56

Ethyl methacrylate

Concen: 0.718 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

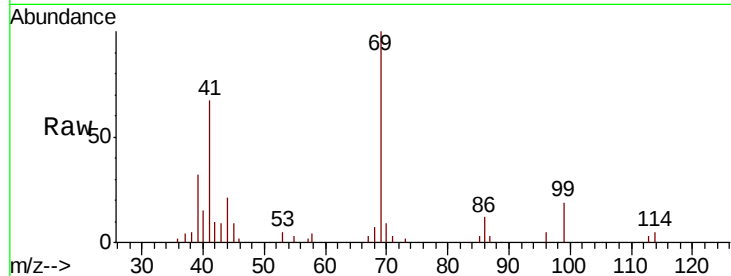
ClientSampleId :

VSTDIC001

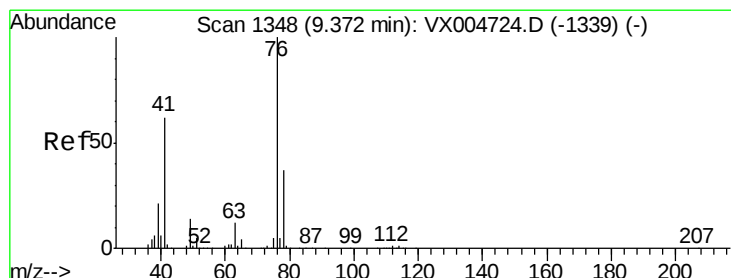
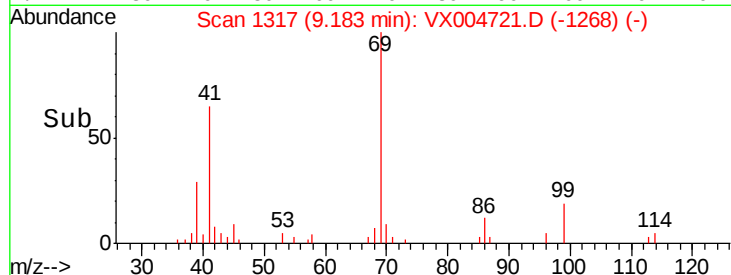
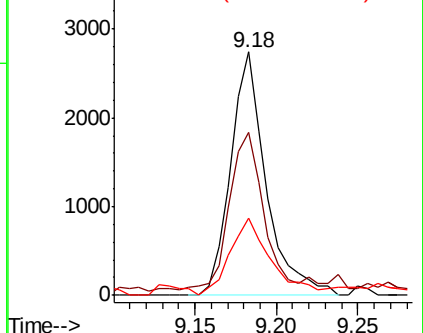
Tot Ion:	69	Resp:	4138
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.0	76.4
39	37.1	26.1	39.1

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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: 1.042 ug/l

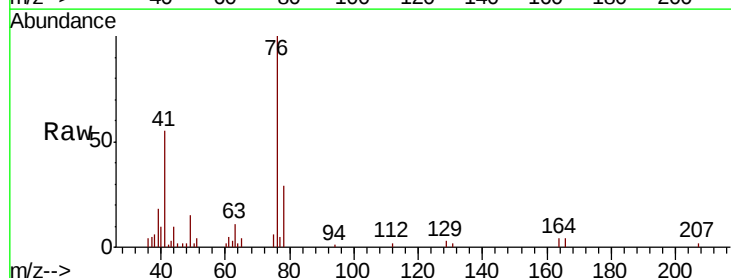
RT: 9.38 min Scan# 1349

Delta R.T. 0.01 min

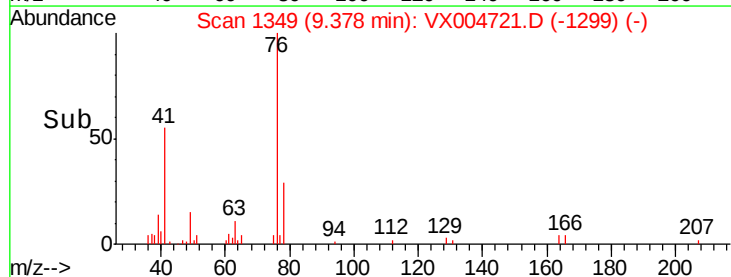
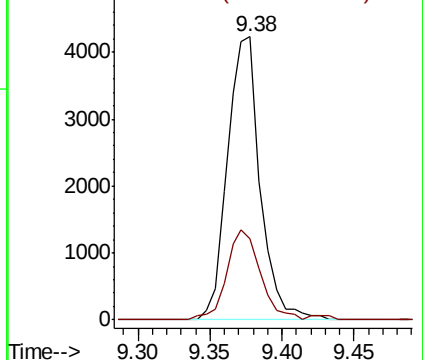
Lab File: VX004721.D

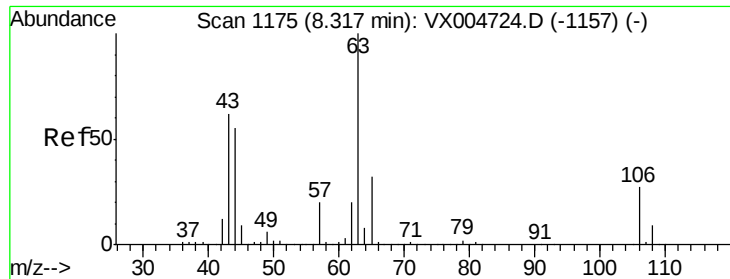
Acq: 26 Sep 2018 11:32

Tgt Ion:	76	Resp:	6745
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0





#58

2-Chloroethyl Vinyl ether

Concen: 3.673 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 11313

Ion Ratio Lower Upper

63 100

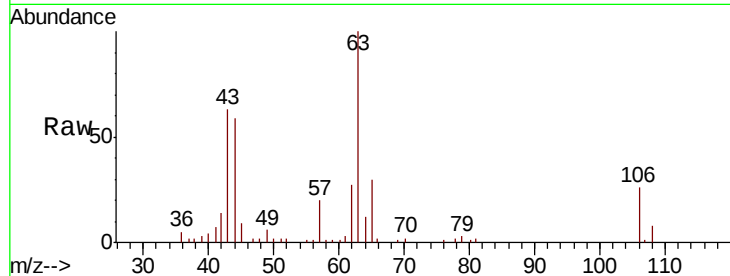
106 27.1 23.9 35.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8000

6000

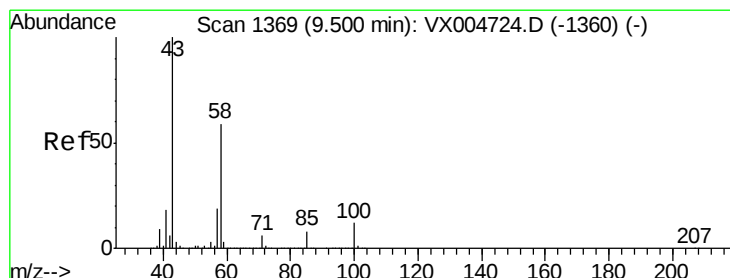
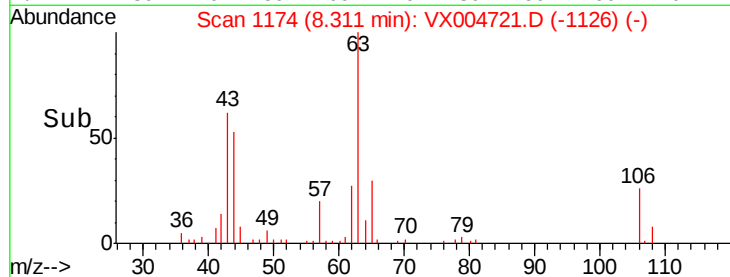
4000

2000

0

8.25 8.30 8.35 8.40

Time-->



#59

2-Hexanone

Concen: 3.678 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX004721.D

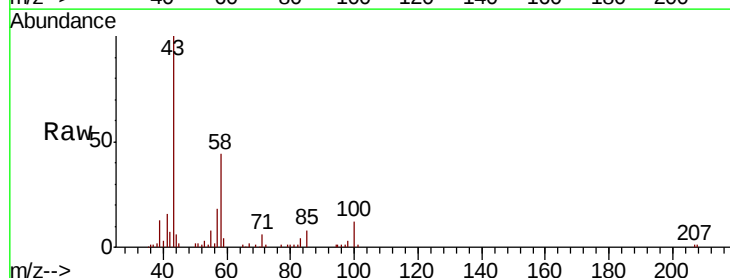
Acq: 26 Sep 2018 11:32

Tgt Ion: 43 Resp: 20030

Ion Ratio Lower Upper

43 100

58 43.8 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

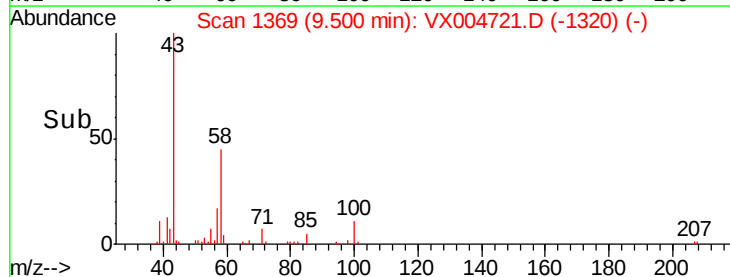
10000

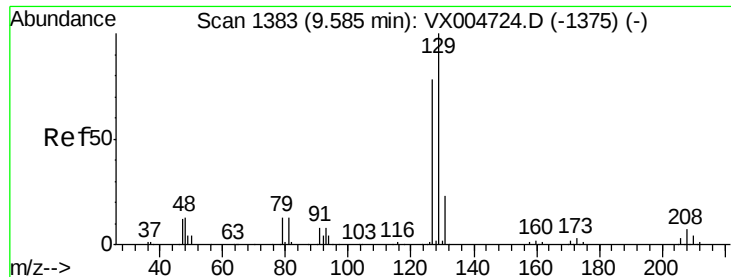
5000

0

9.40 9.50 9.60

Time-->





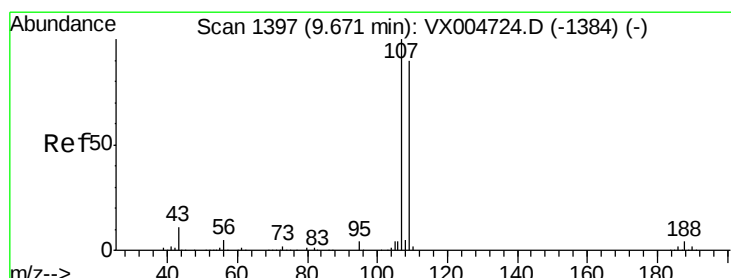
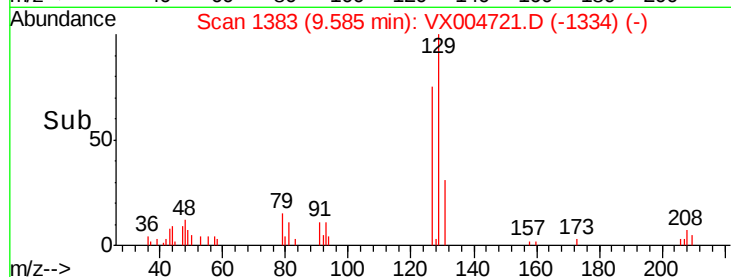
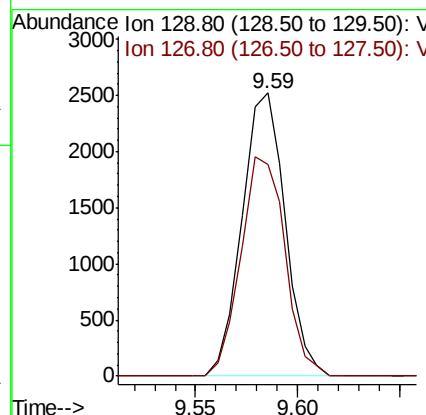
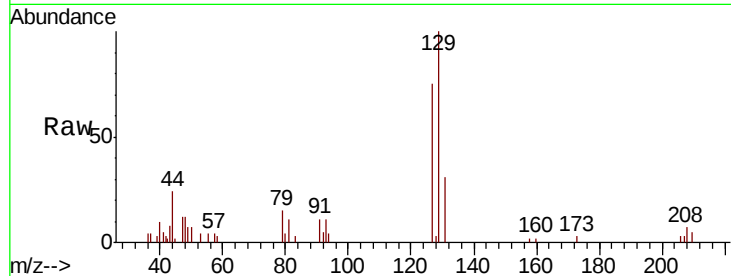
#60
Dibromochloromethane
Concen: 0.895 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.5	115.5

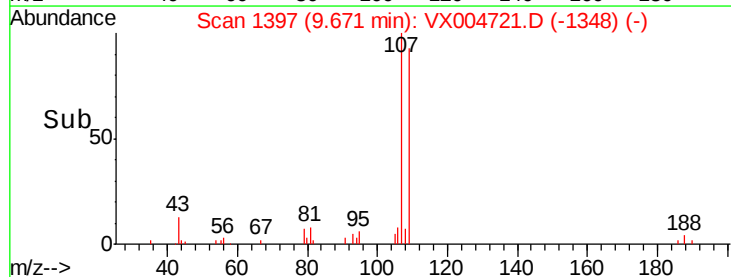
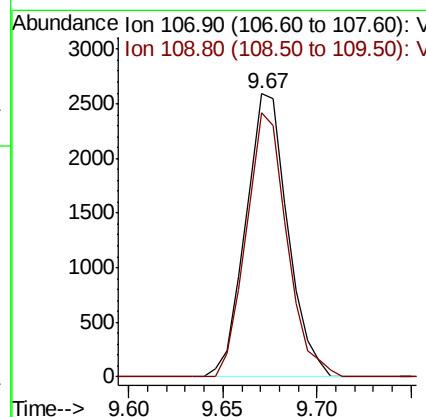
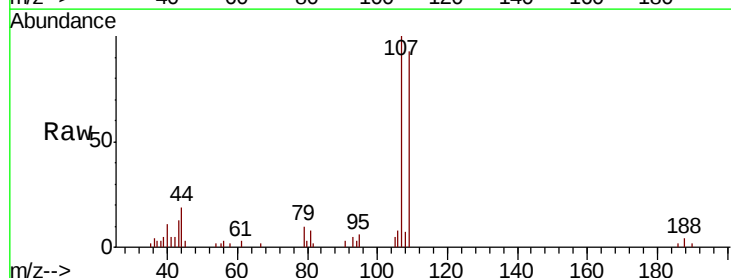
Manual Integrations
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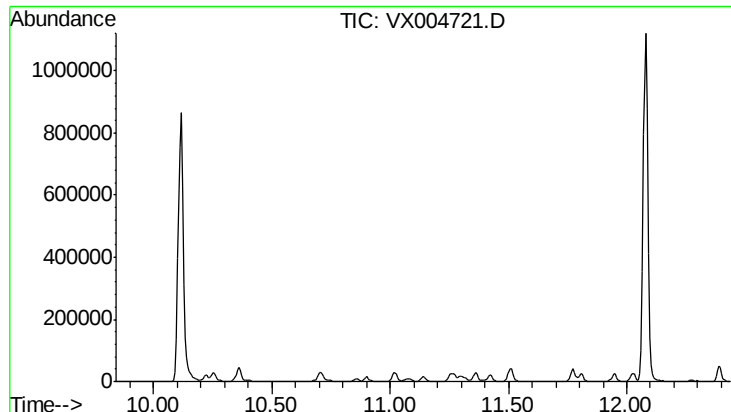
MMDadoda
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#61
1,2-Dibromoethane
Concen: 0.934 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.3	76.0	114.0





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.14 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tot Ion: 95

Sig Exp Ratio

95 100

174 92.6

176 89.3

Instrument :

MSVOA_X

ClientSampleId :

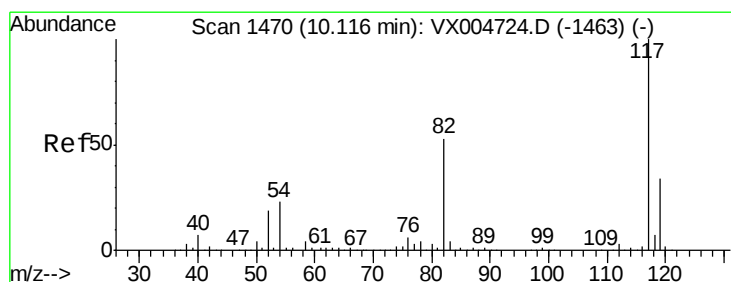
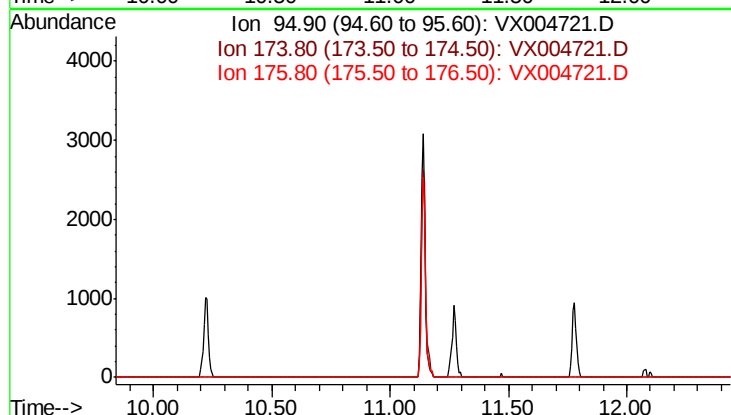
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

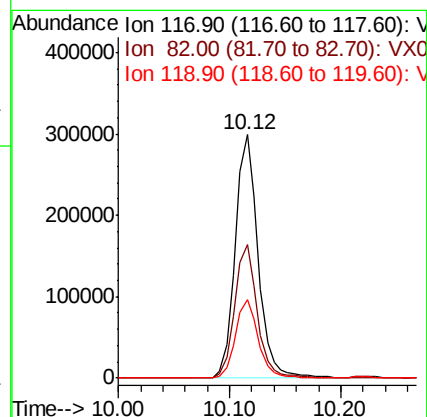
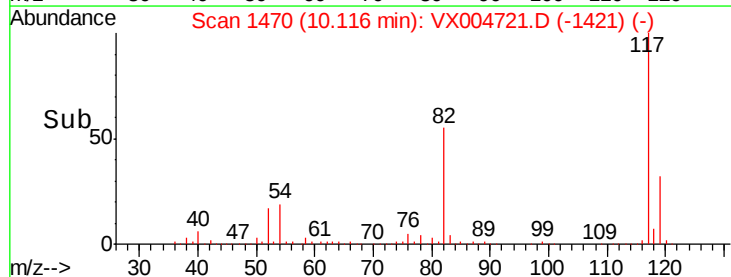
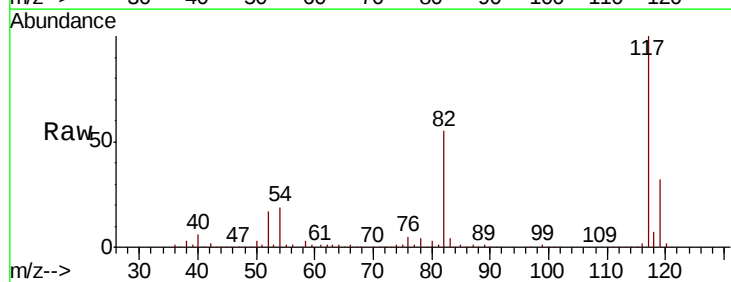
Tgt Ion:117 Resp: 425023

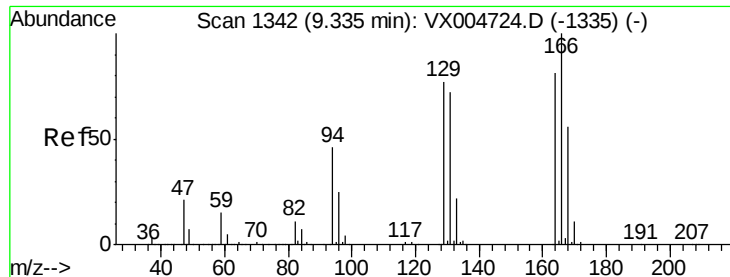
Ion Ratio Lower Upper

117 100

82 54.9 47.8 71.6

119 32.4 29.3 43.9





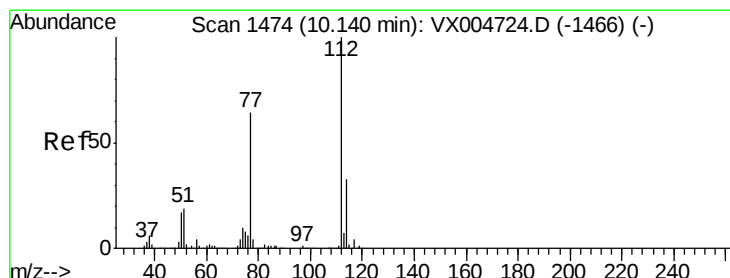
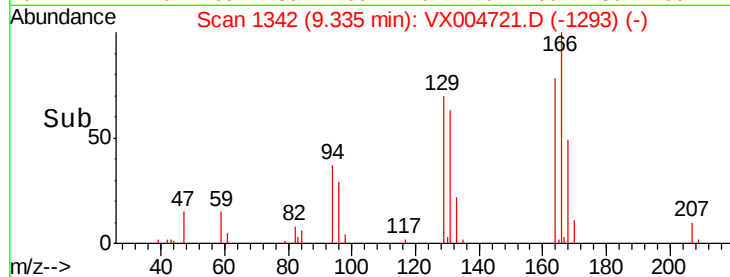
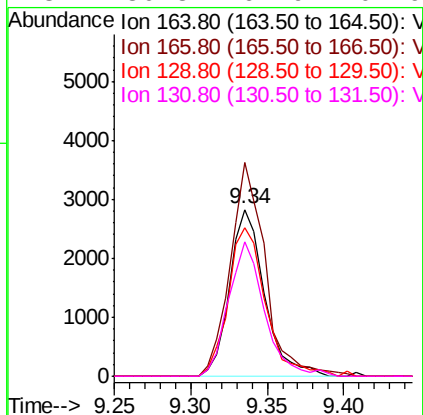
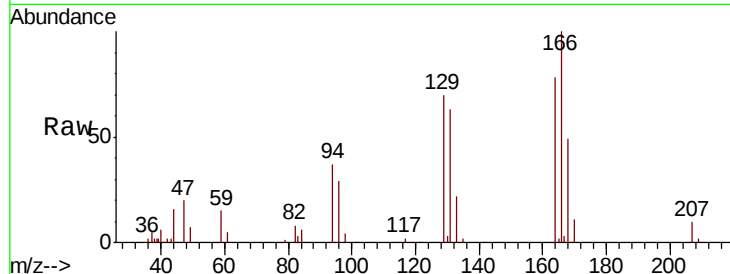
#64
Tetrachloroethene
Concen: 1.053 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.8	154.2
129	89.3	69.4	104.0
131	80.8	67.9	101.9

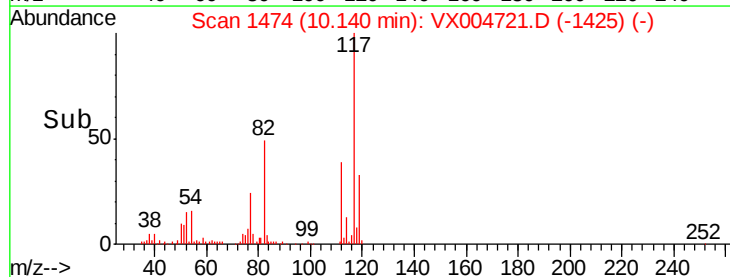
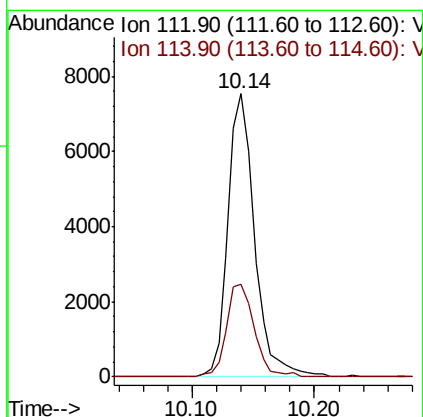
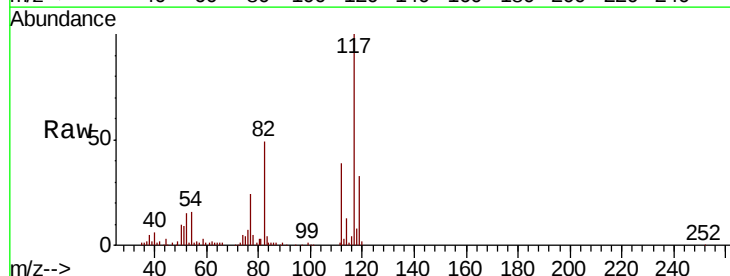
Manual Integrations
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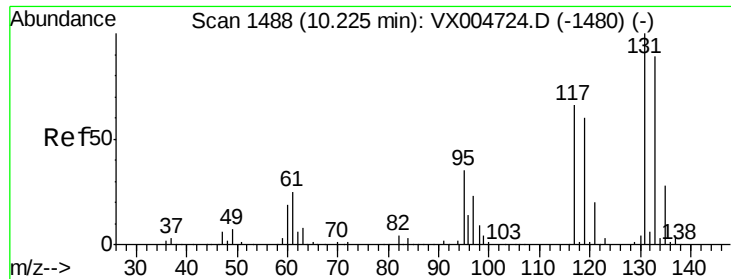
MMDadoda
10/1/2018 1:30:57 PM



#65
Chlorobenzene
Concen: 1.061 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.032 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

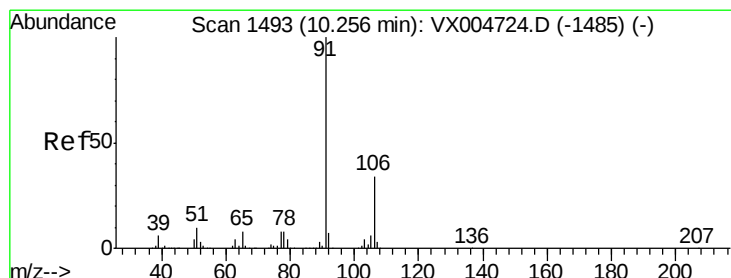
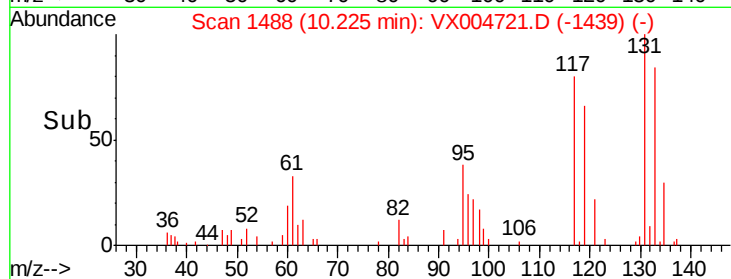
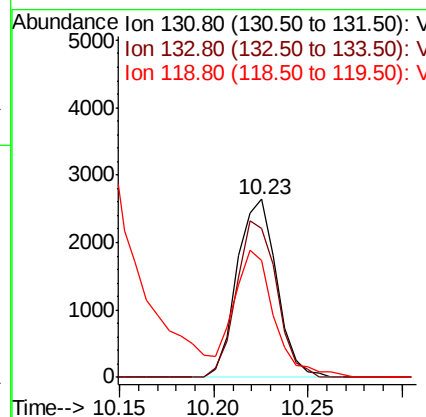
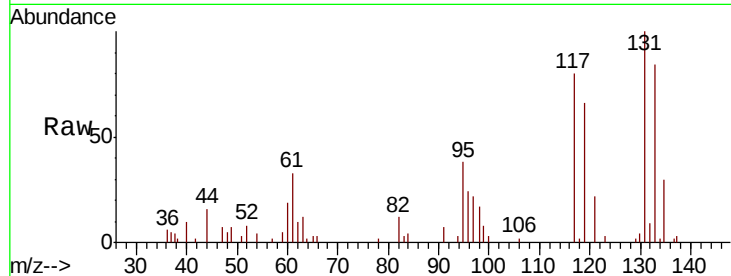
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	89.2	48.1	144.4
119	0.0	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.860 ug/l

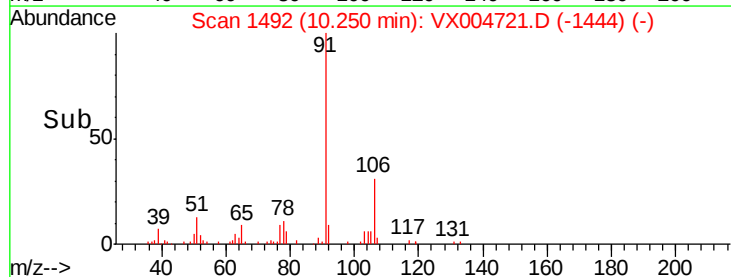
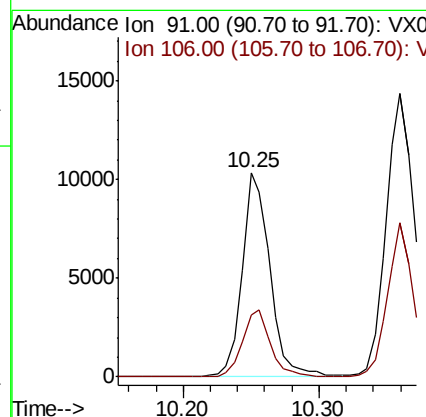
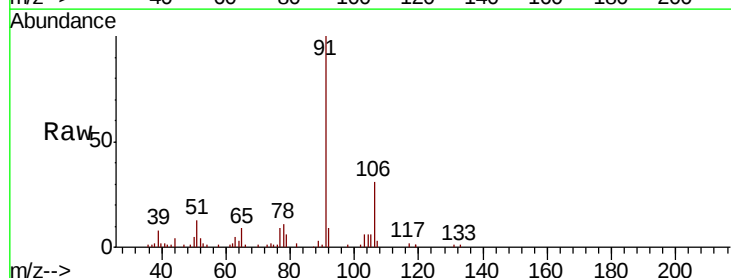
RT: 10.25 min Scan# 1492

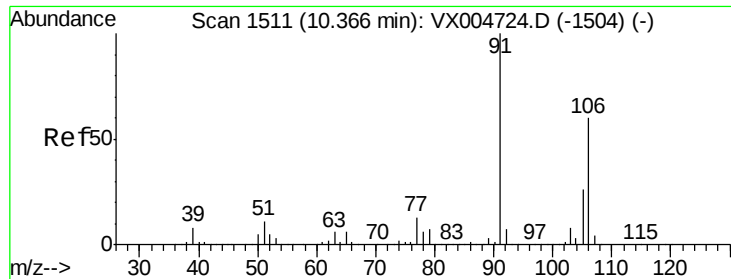
Delta R.T. -0.01 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.9	38.9





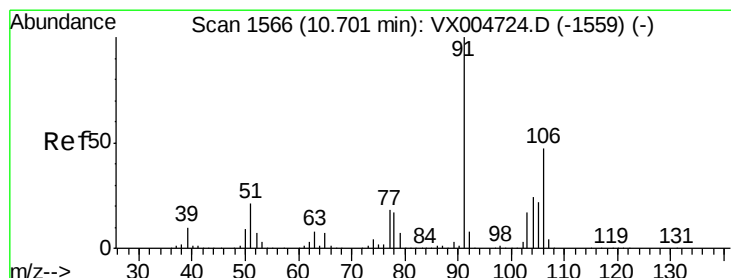
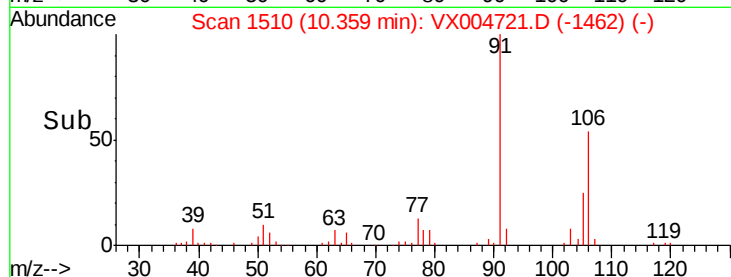
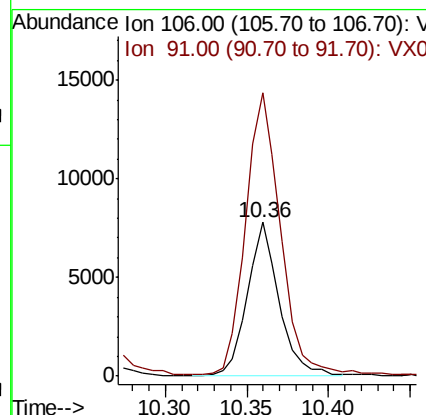
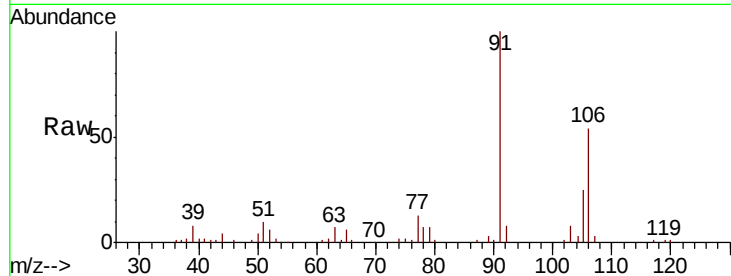
#68
m/p-Xvlenes
Concen: 1.519 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.7	157.1	235.7	

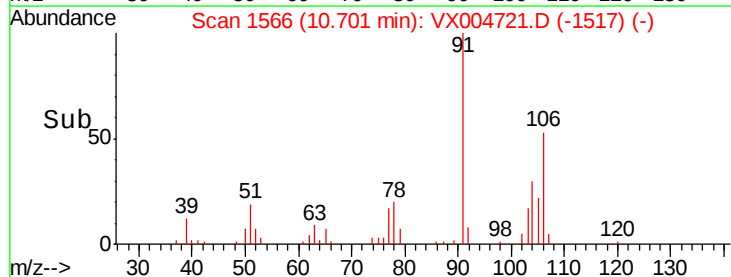
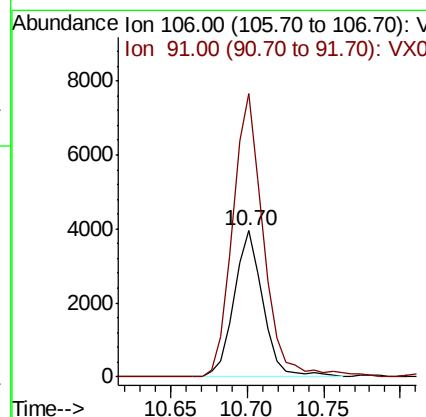
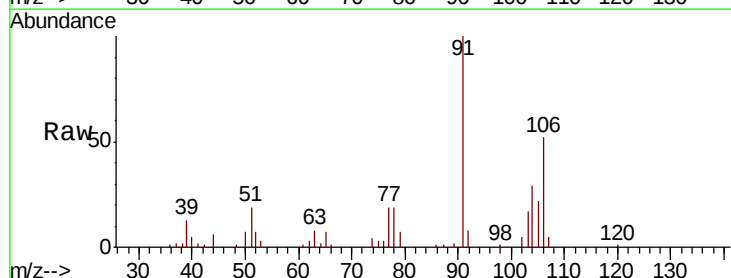
Manual Integrations
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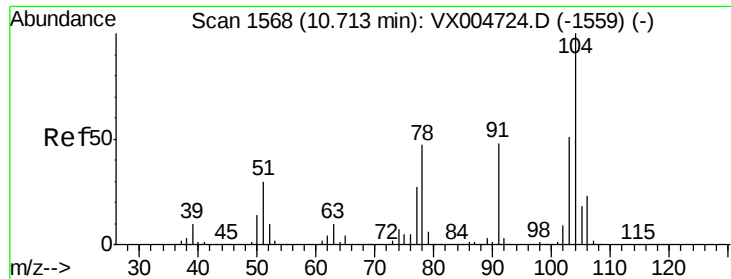
MMDadoda
10/1/2018 1:30:57 PM



#69
o-Xylene
Concen: 0.822 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.8	105.1	315.1	





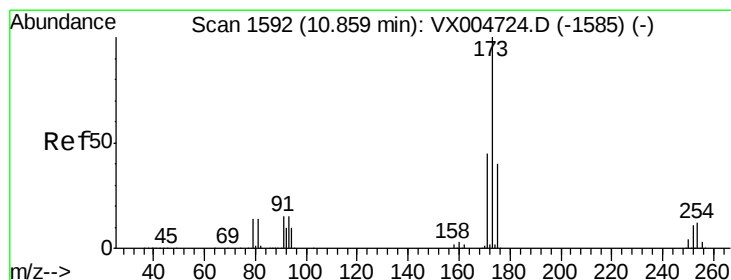
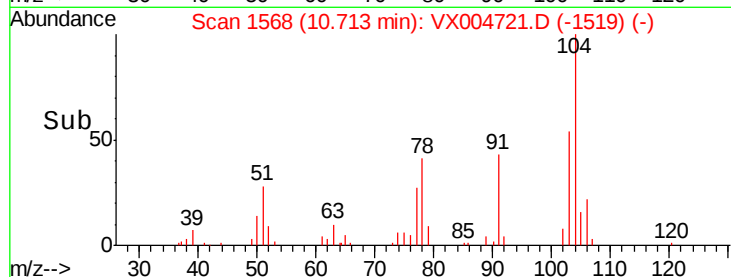
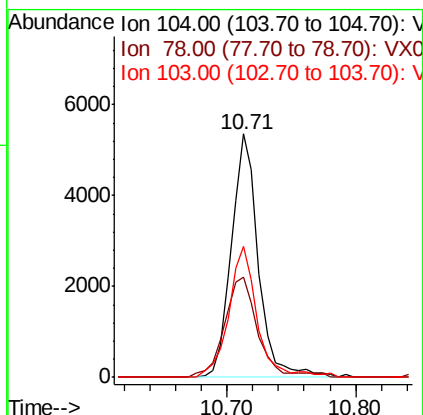
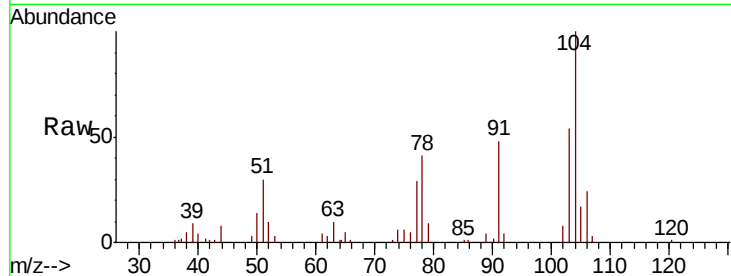
#70
Stvrene
Concen: 0.723 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	37.4	56.0
103	57.1	43.8	65.6

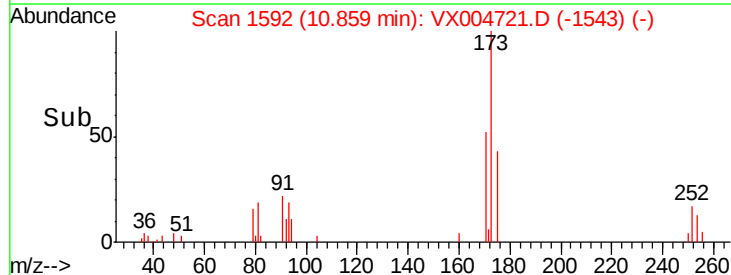
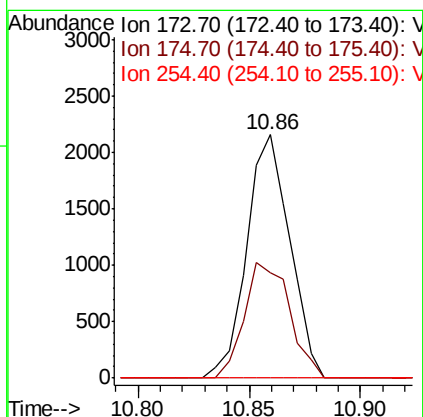
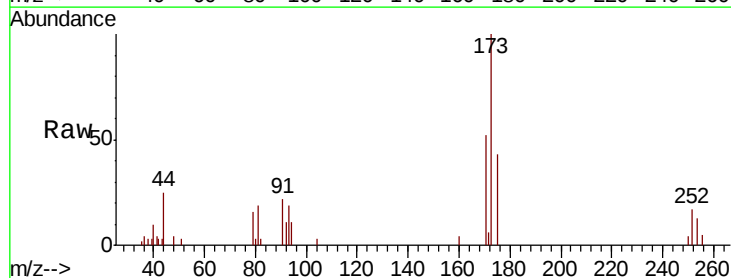
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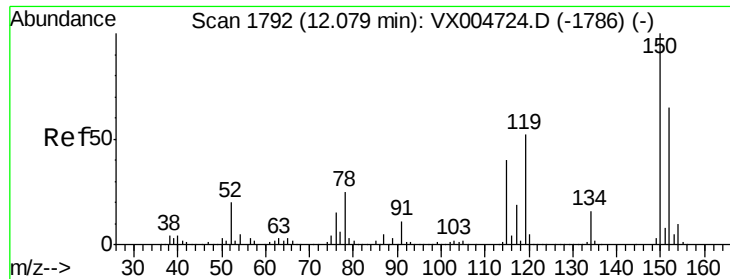
MMDadoda
10/1/2018 1:30:57 PM



#71
Bromoform
Concen: 0.866 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.3
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 238132

Ion Ratio Lower Upper

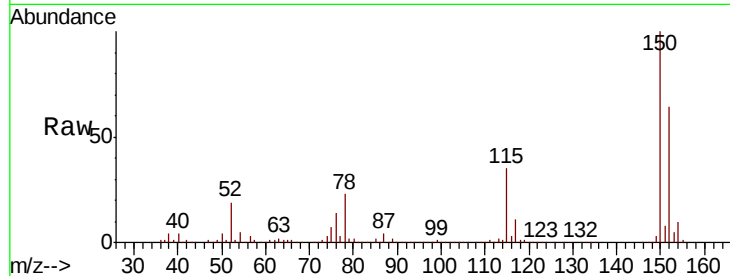
152 100

115 55.0 39.0 117.0

150 157.3 0.0 351.0

Manual Integrations
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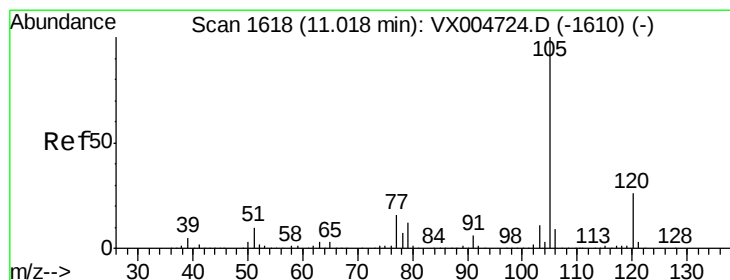
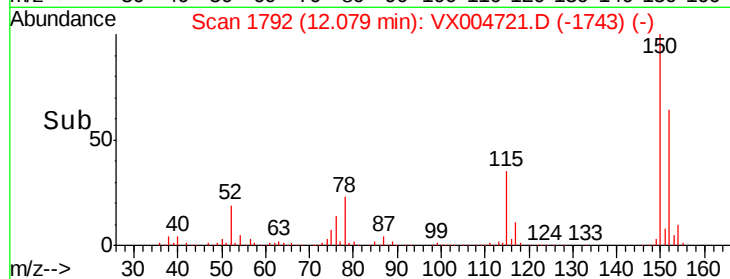
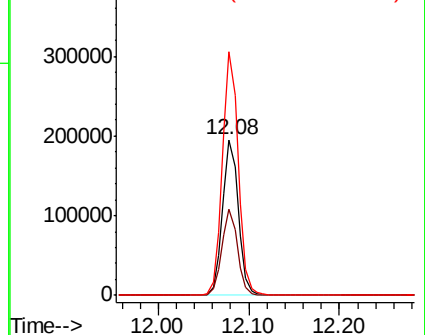
MMDadoda
10/1/2018 1:30:57 PM



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: 0.743 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004721.D

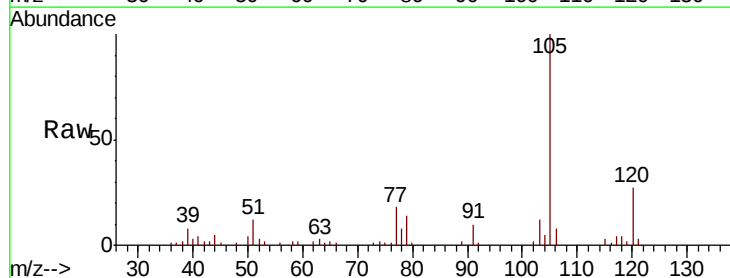
Acq: 26 Sep 2018 11:32

Tgt Ion:105 Resp: 12436

Ion Ratio Lower Upper

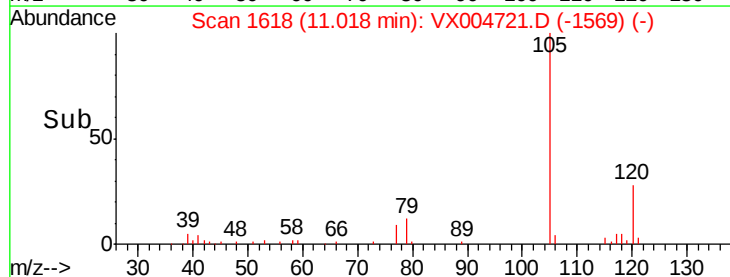
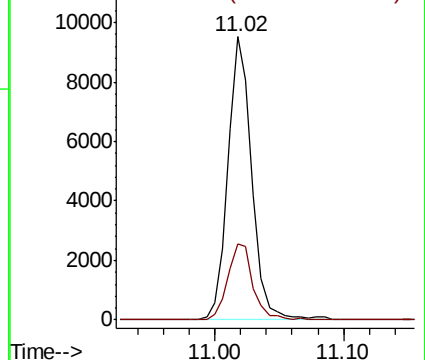
105 100

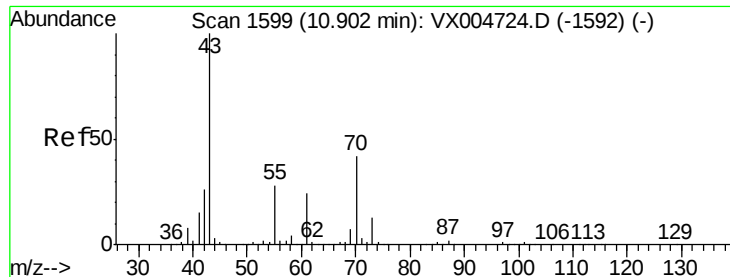
120 28.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.714 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 5835

Ion Ratio Lower Upper

43 100

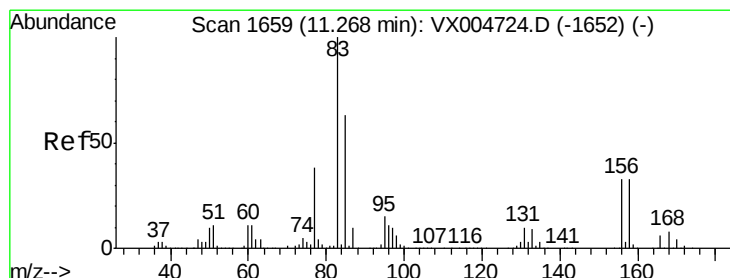
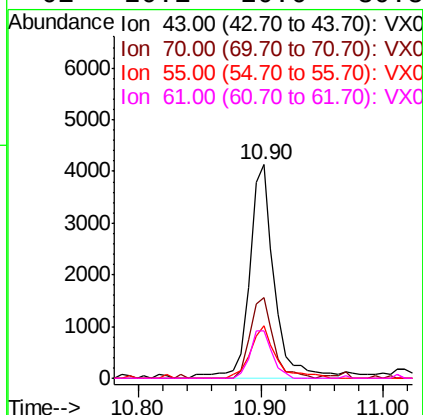
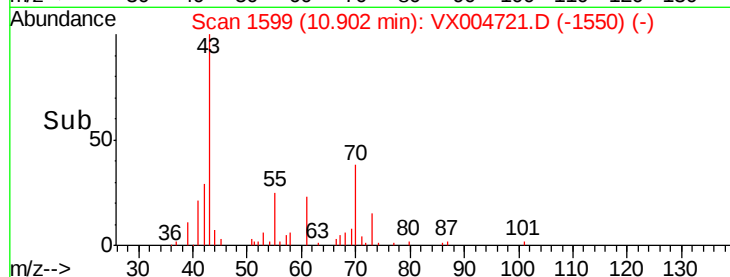
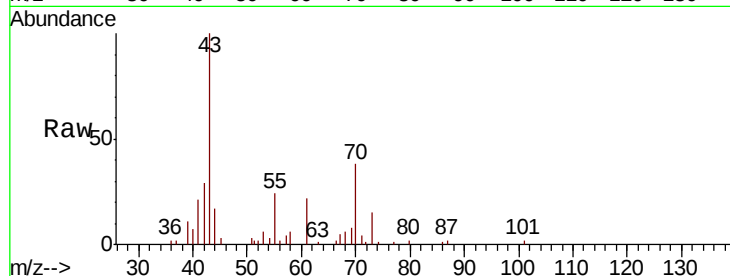
70 35.3 37.4 56.0#

55 25.2 21.8 32.8

61 20.1 20.6 30.8#

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.116 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

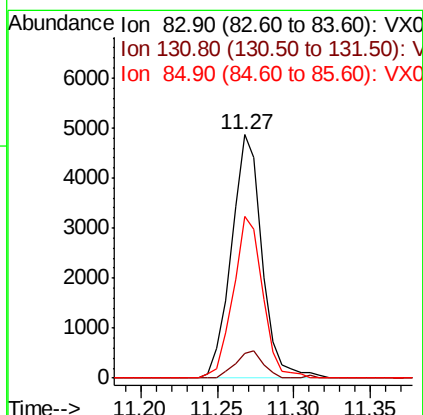
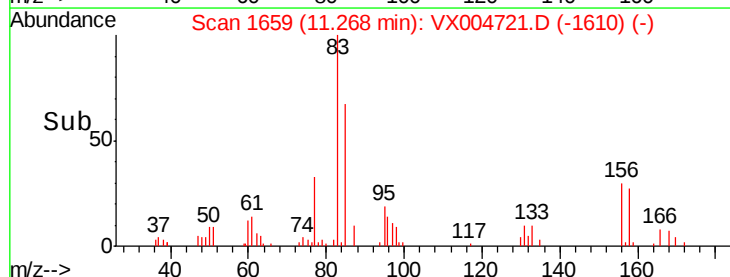
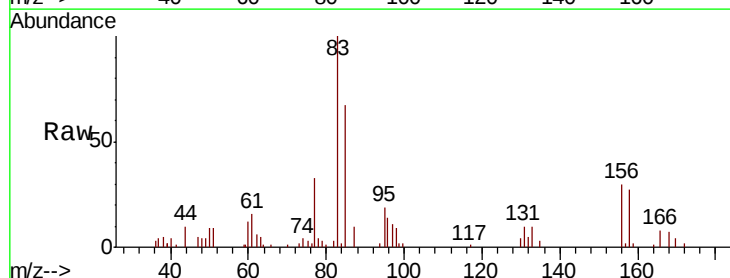
Tgt Ion: 83 Resp: 6720

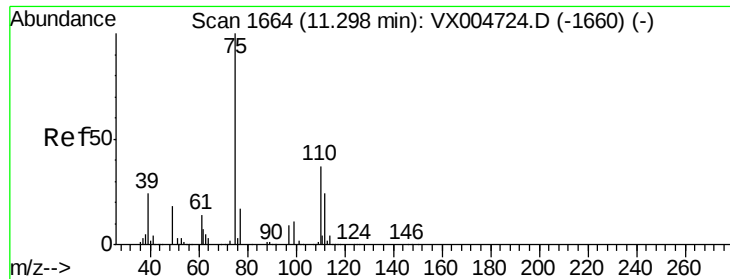
Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

85 64.2 32.3 96.8





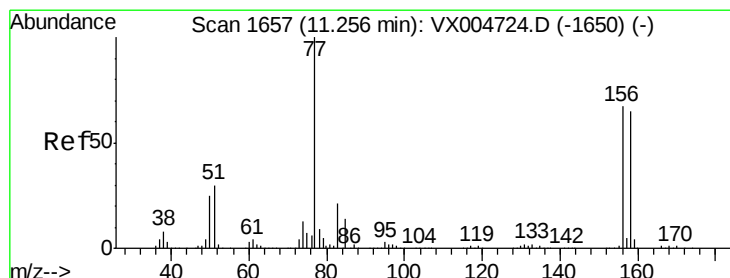
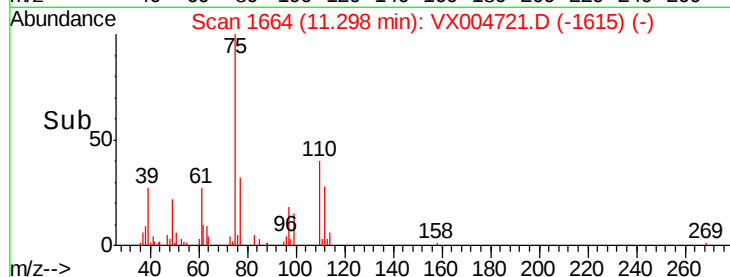
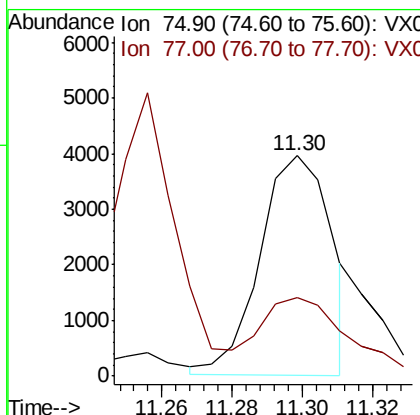
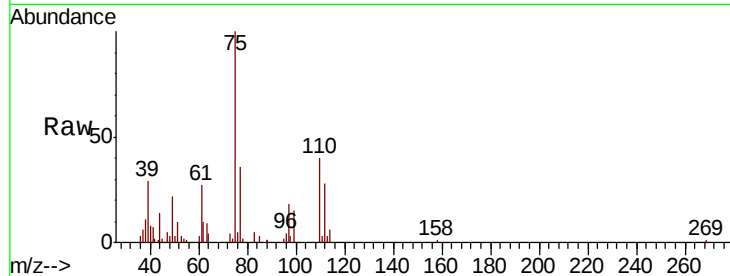
#76
 1,2,3-Trichloropropane
 Concen: 1.013 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 5589
 Ion Ratio Lower Upper
 75 100
 77 43.9 20.2 60.6

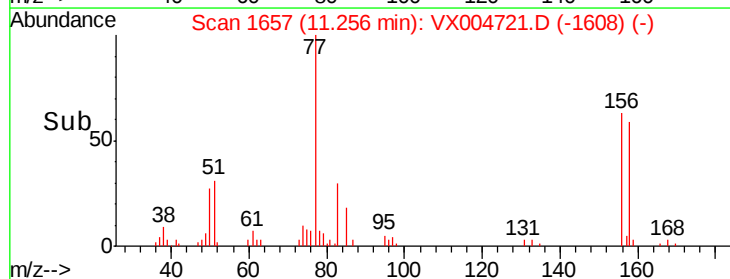
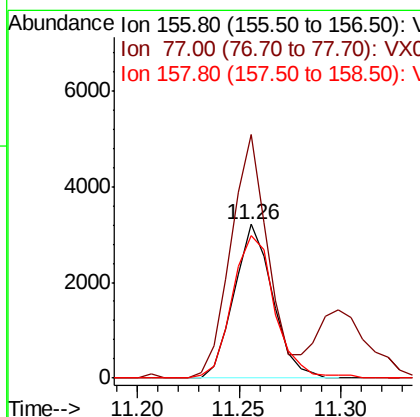
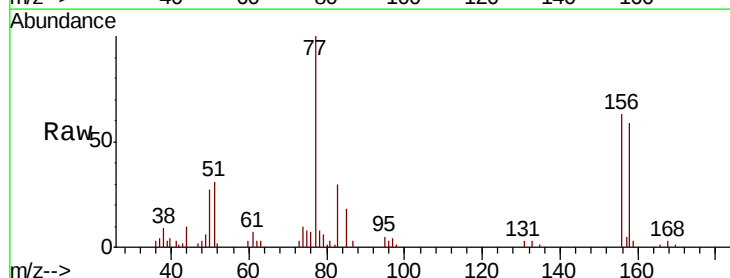
Manual Integrations
 APPROVED

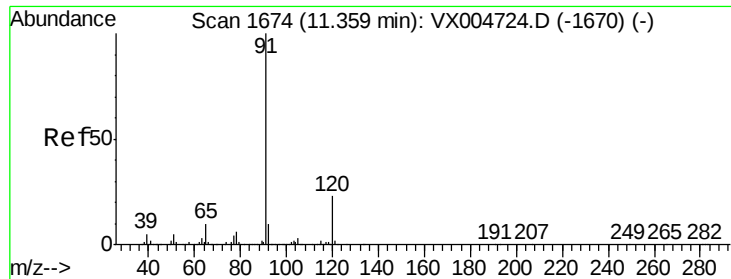
MMDadoda
 10/1/2018 1:30:57 PM



#77
 Bromobenzene
 Concen: 0.924 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion: 156 Resp: 4197
 Ion Ratio Lower Upper
 156 100
 77 154.3 71.5 214.3
 158 102.3 48.9 146.8





#78

n-propylbenzene

Concen: 0.725 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 14034

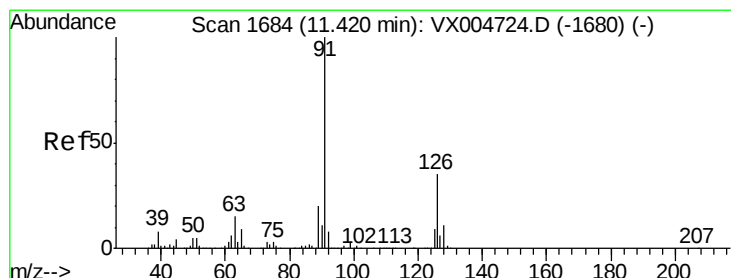
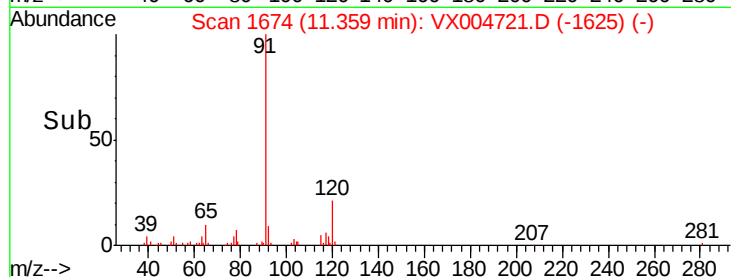
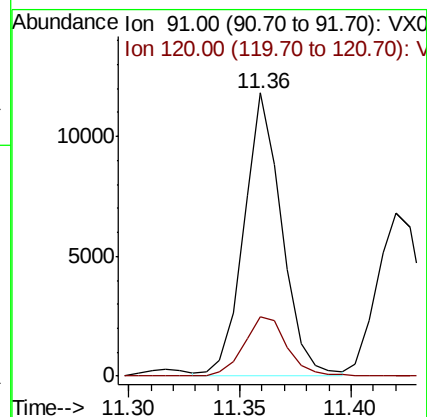
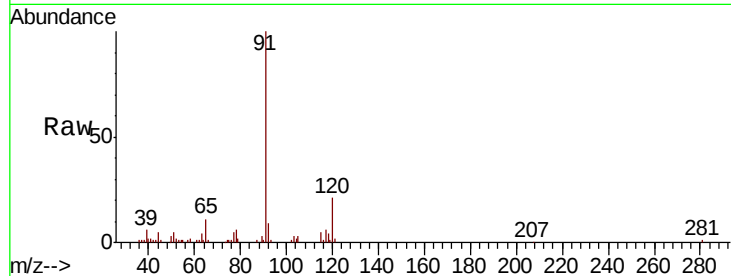
Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.9

Manual Integrations
APPROVED

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10/1/2018 1:30:57 PM



#79

2-Chlorotoluene

Concen: 0.821 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004721.D

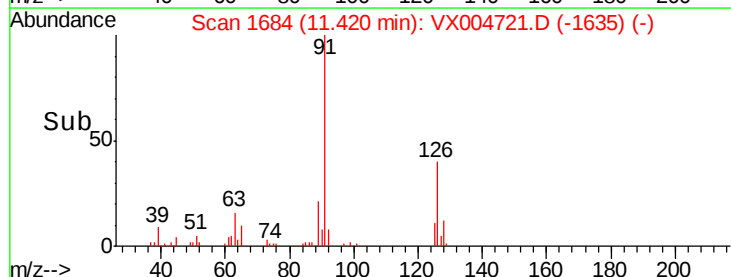
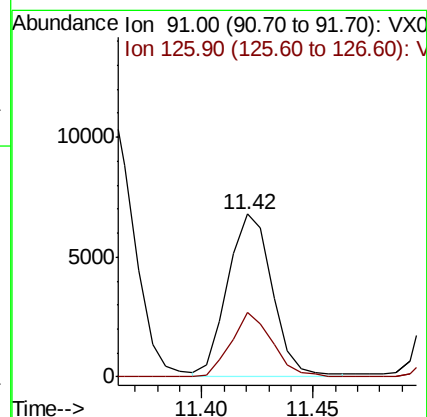
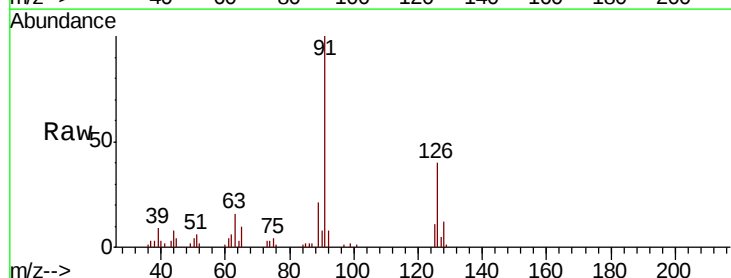
Acq: 26 Sep 2018 11:32

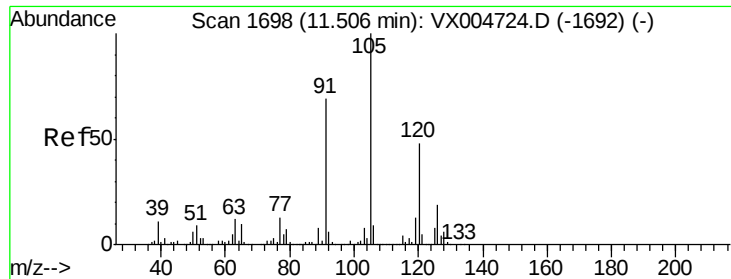
Tgt Ion: 91 Resp: 9538

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7





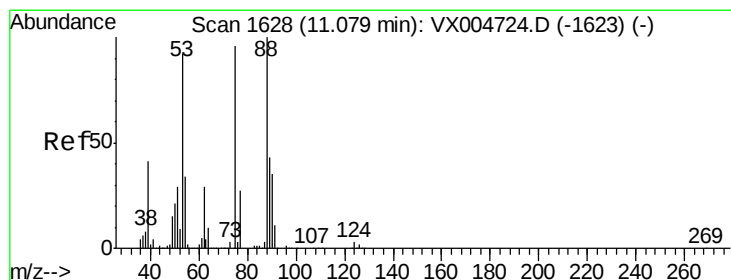
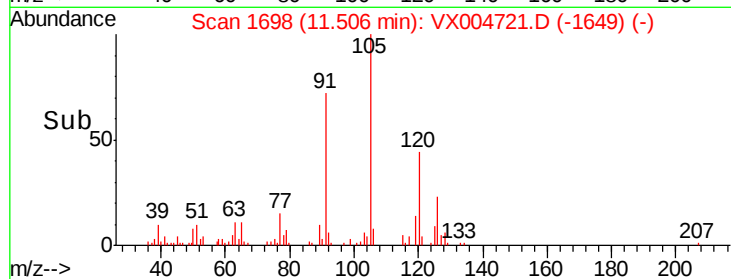
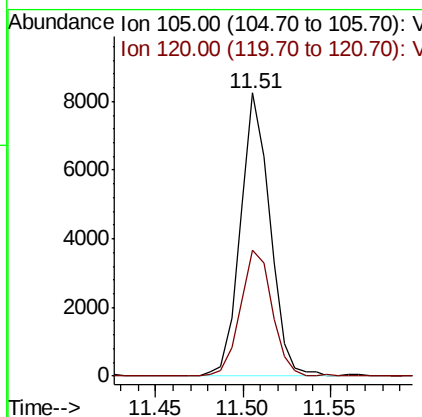
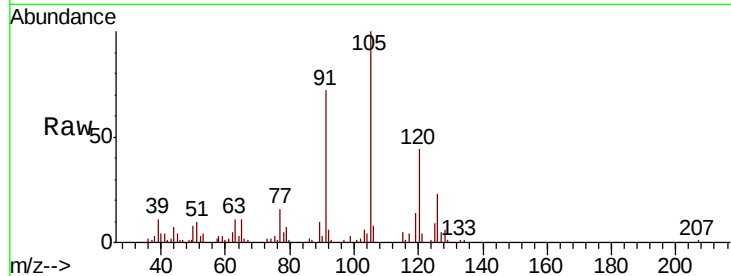
#80
 1,3,5-Trimethylbenzene
 Concen: 0.672 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.8	25.6	76.8

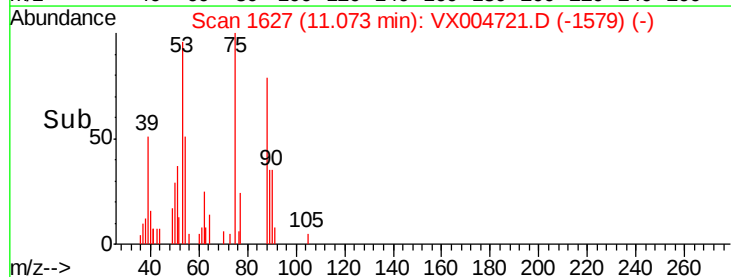
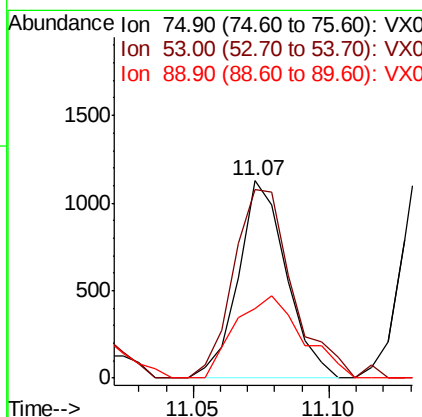
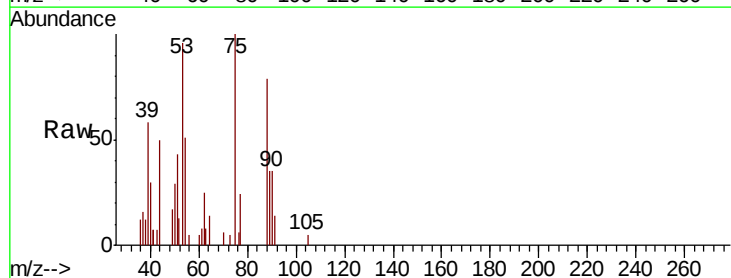
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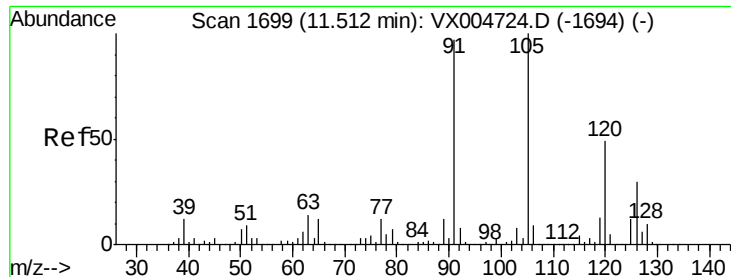
MMDadoda
 10/1/2018 1:30:57 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.752 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
53	118.6	80.1	120.1
89	58.4	37.2	55.8#





#82

4-Chlorotoluene

Concen: 0.739 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 10210

Ion Ratio Lower Upper

91 100

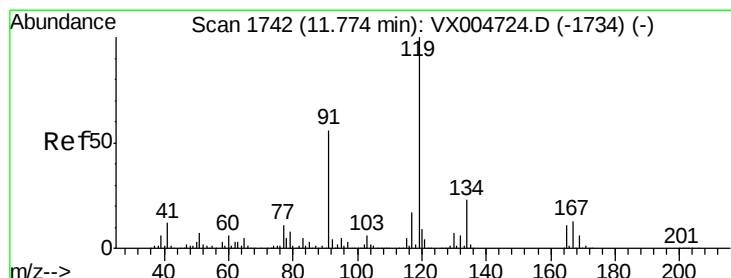
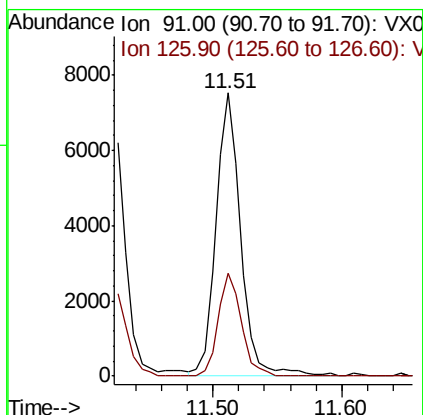
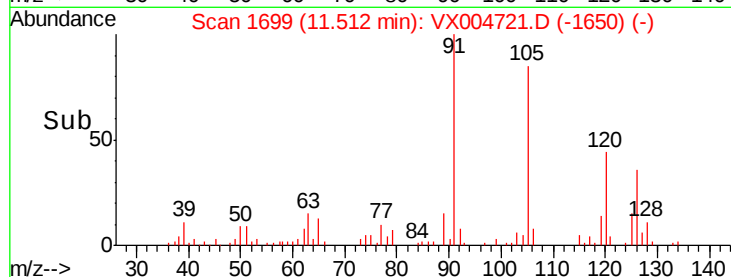
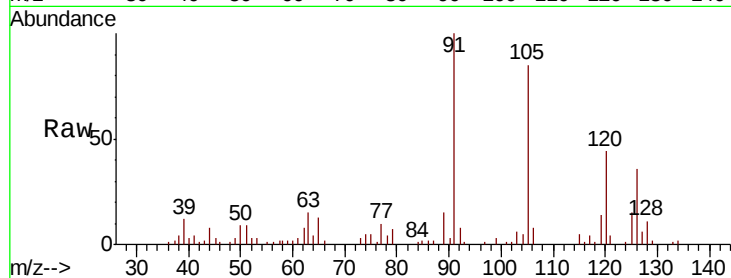
126 34.0 15.5 46.5

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#83

tert-Butylbenzene

Concen: 0.769 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

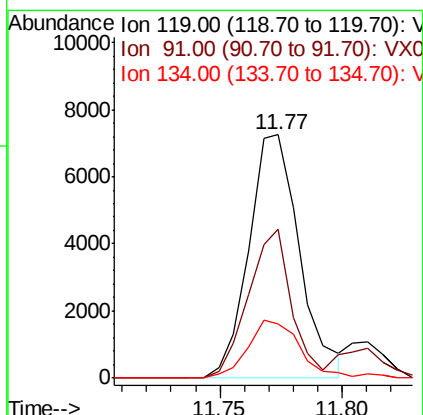
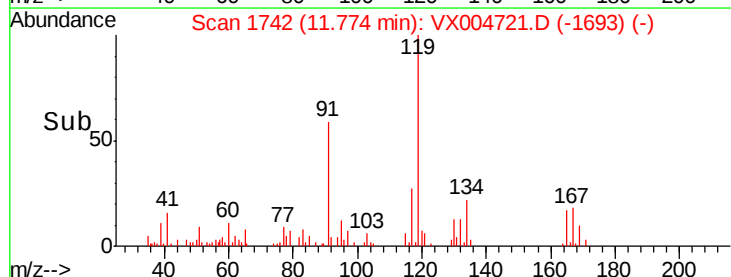
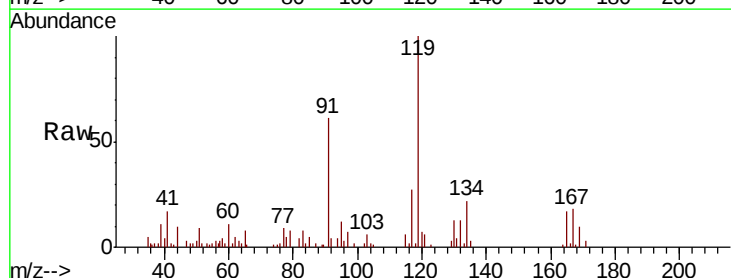
Tgt Ion: 119 Resp: 10554

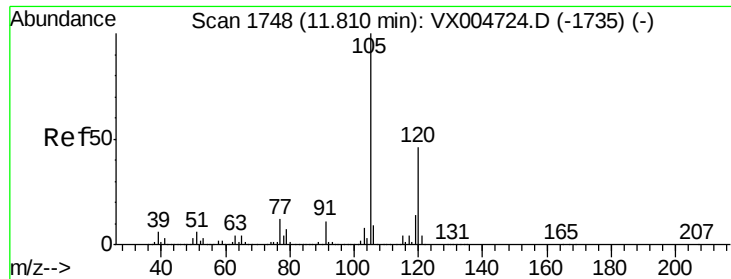
Ion Ratio Lower Upper

119 100

91 51.7 27.0 81.0

134 24.6 11.7 35.1





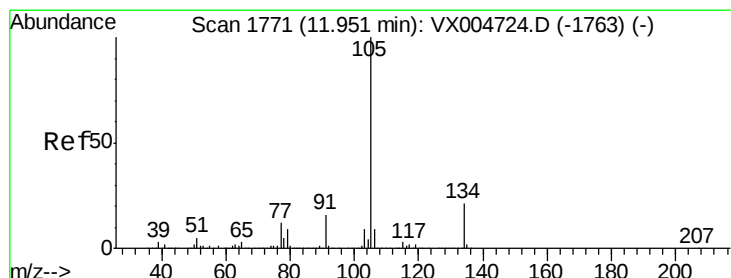
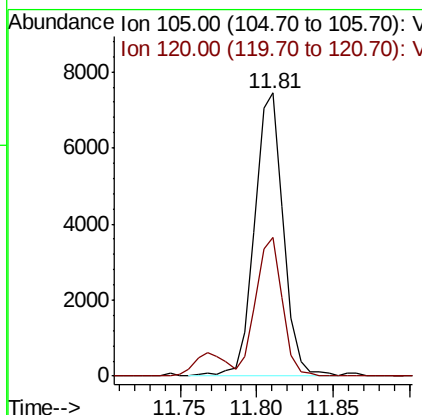
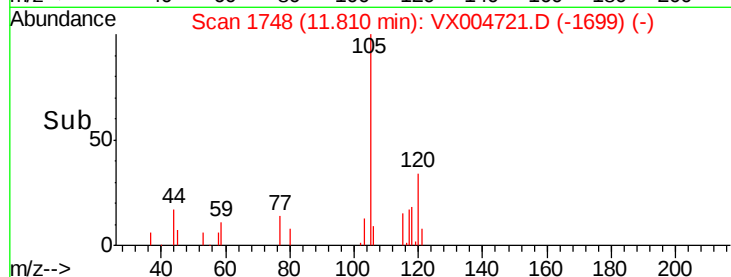
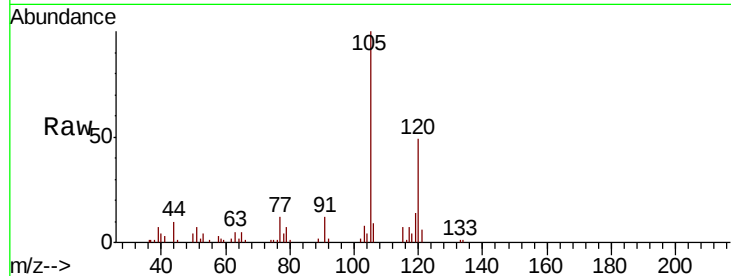
#84
 1,2,4-Trimethylbenzene
 Concen: 0.659 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 9776
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.6

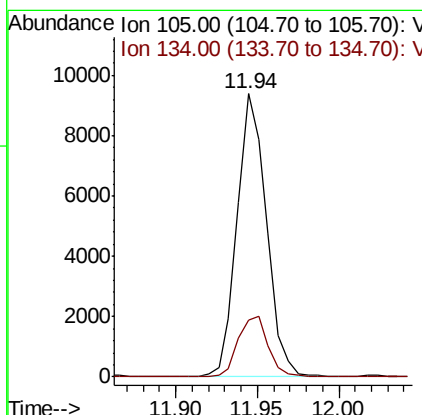
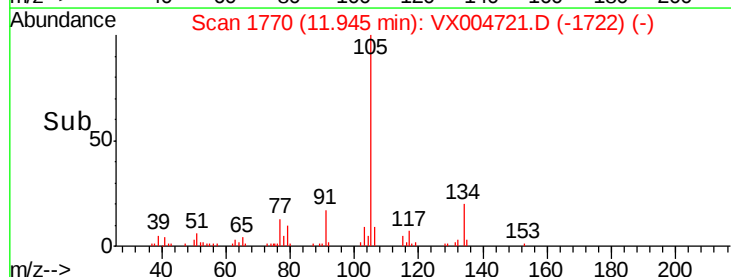
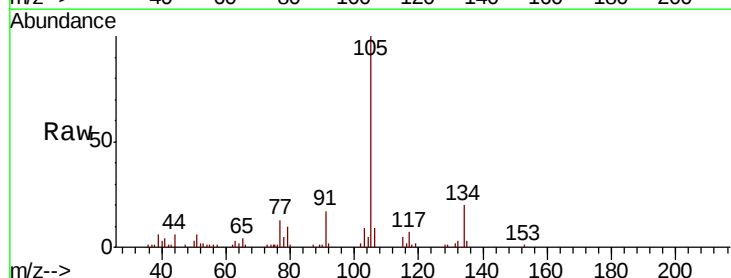
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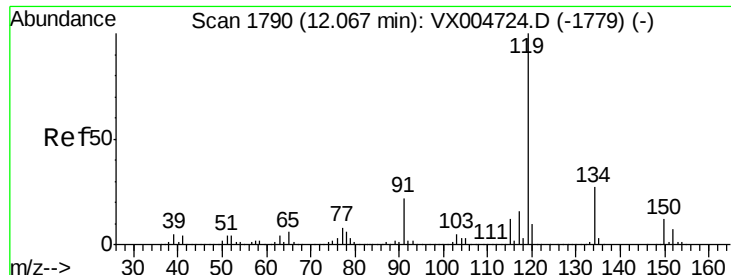
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 0.706 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion:105 Resp: 11792
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.5 31.5





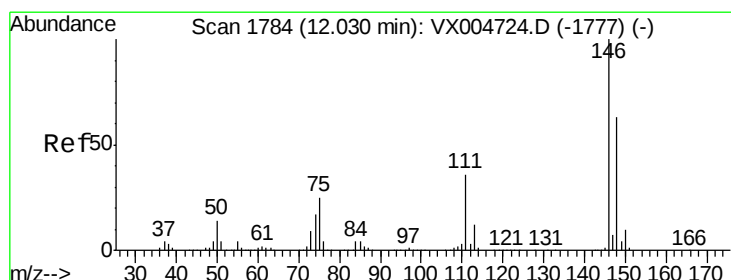
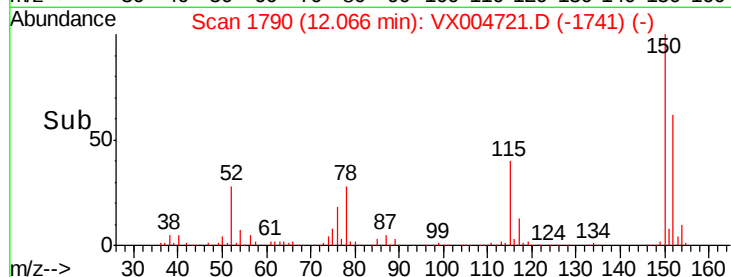
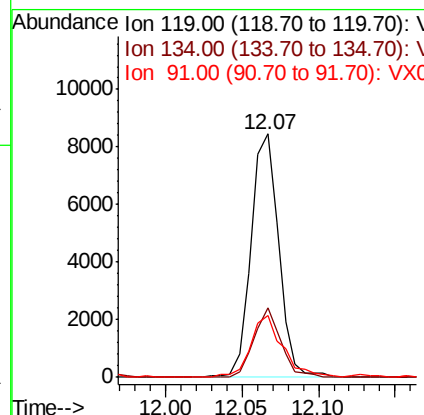
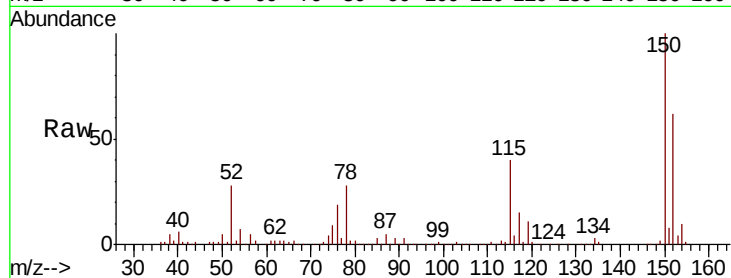
#86
p-Isopropyltoluene
Concen: 0.700 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.4	40.2
91	29.4	10.9	32.7

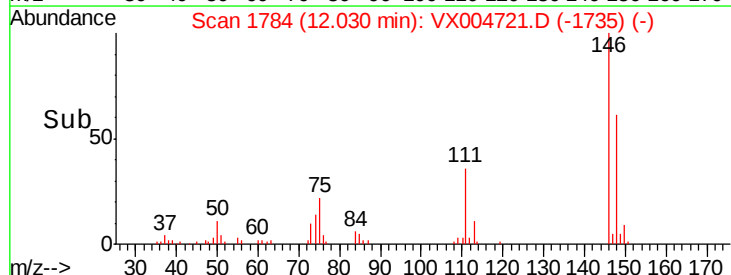
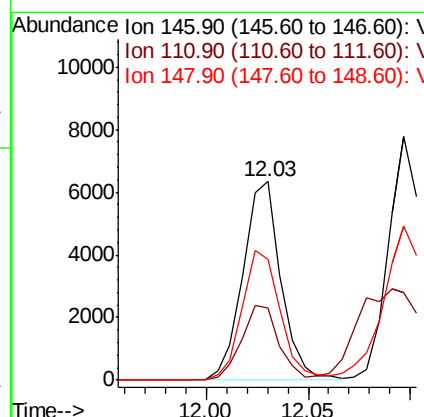
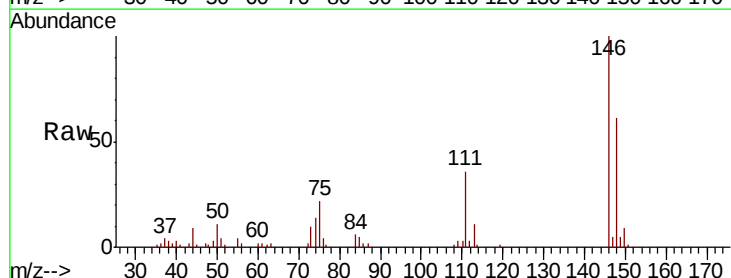
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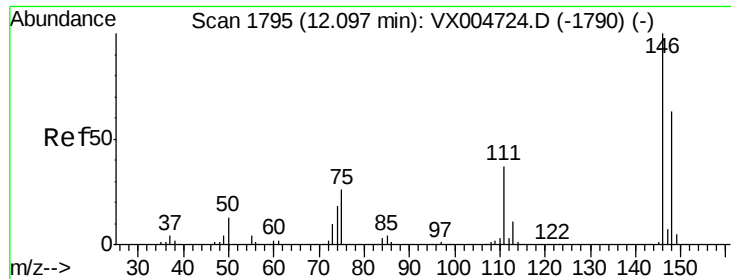
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#87
1,3-Dichlorobenzene
Concen: 0.976 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	66.1	32.1	96.5





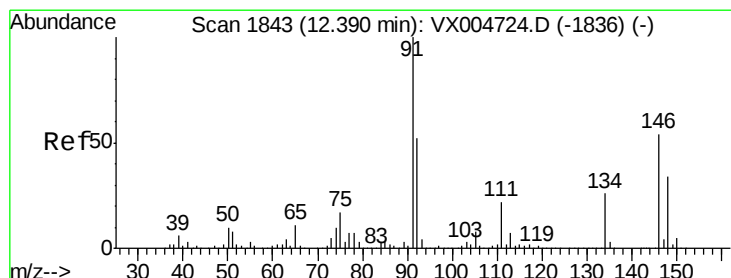
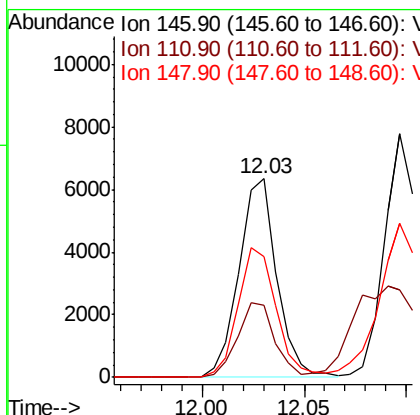
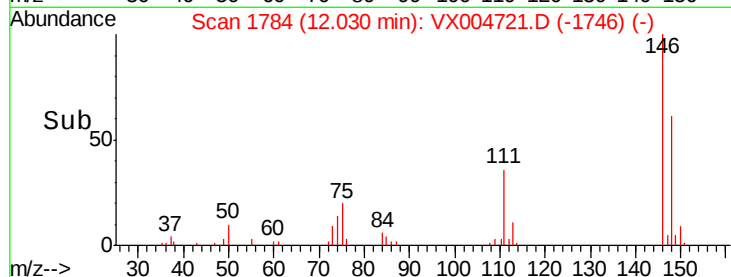
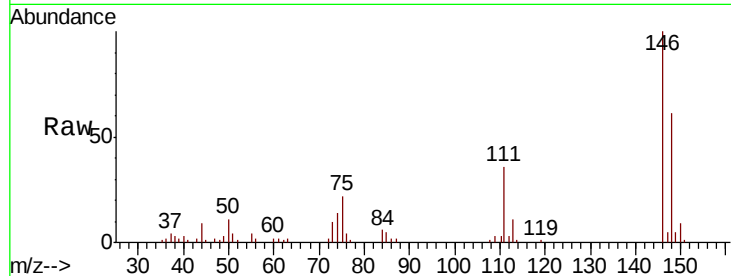
#88
 1,4-Dichlorobenzene
 Concen: 0.962 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.07 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	66.1	32.0	96.0

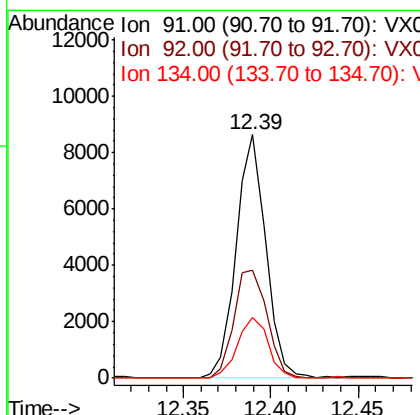
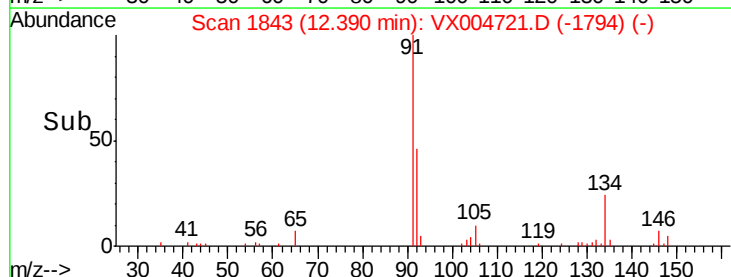
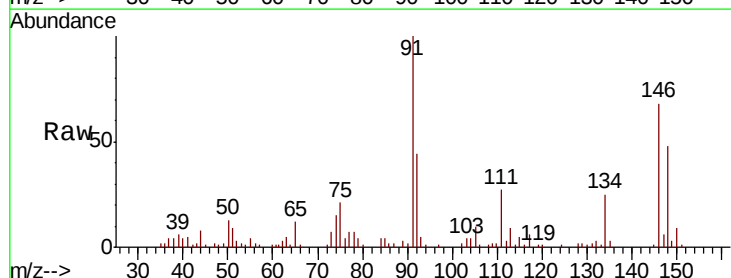
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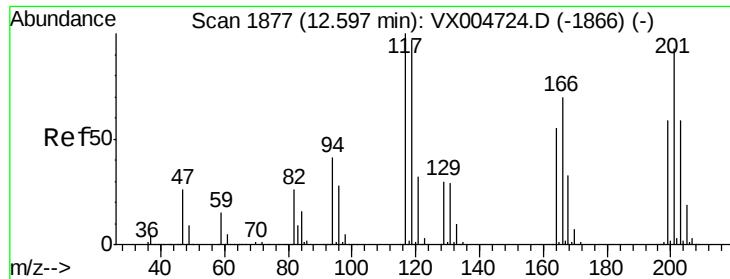
MMDadoda
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#89
 n-Butylbenzene
 Concen: 0.749 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.3	27.3	81.9
134	25.4	13.6	40.7





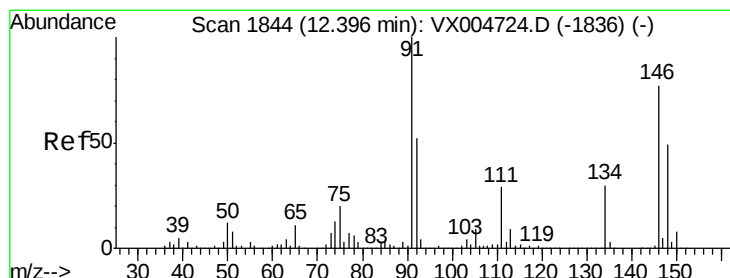
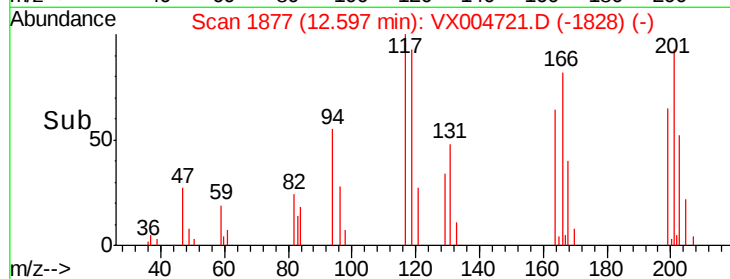
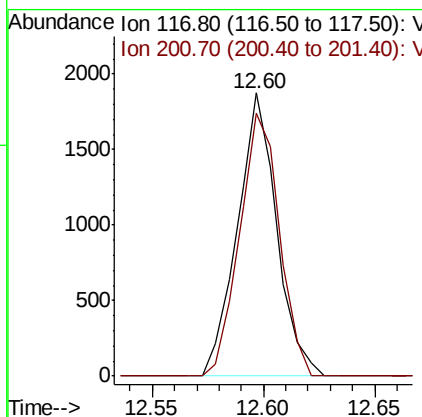
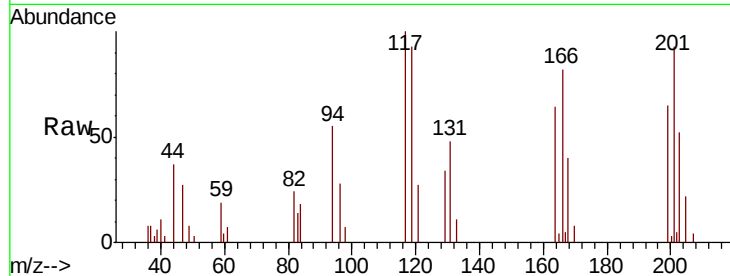
#90
Hexachloroethane
Concen: 1.012 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
166	94.3	46.9	140.6

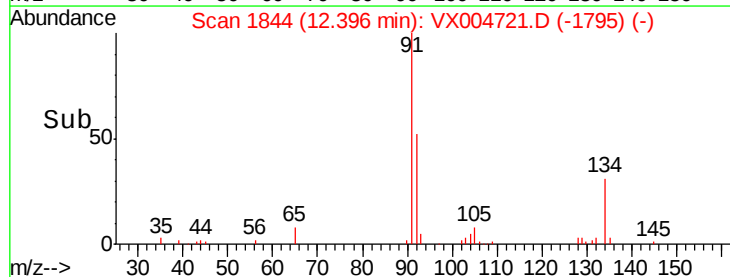
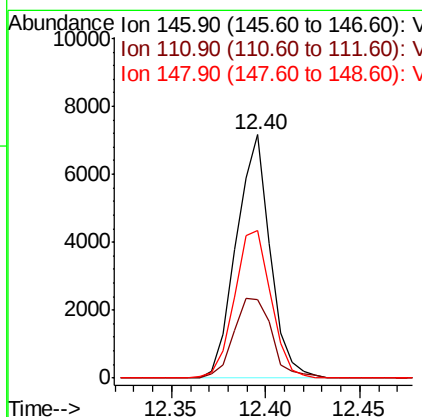
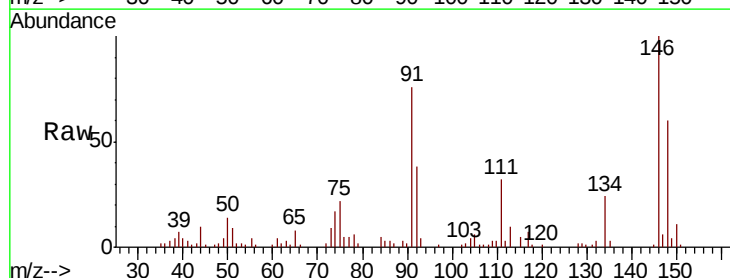
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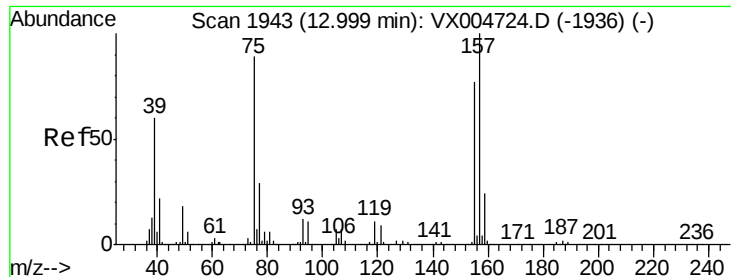
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#91
1,2-Dichlorobenzene
Concen: 1.039 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VX004721.D
Acq: 26 Sep 2018 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.4	58.1
148	65.3	32.8	98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.978 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

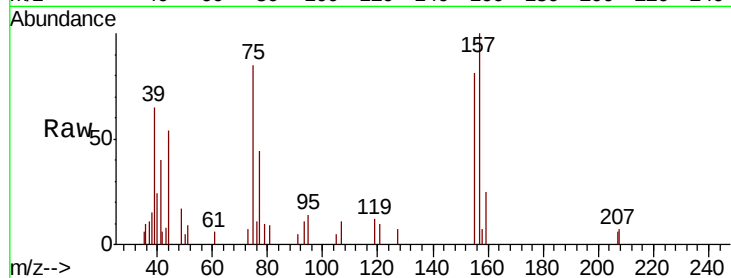
ClientSampleId :

VSTDIC001

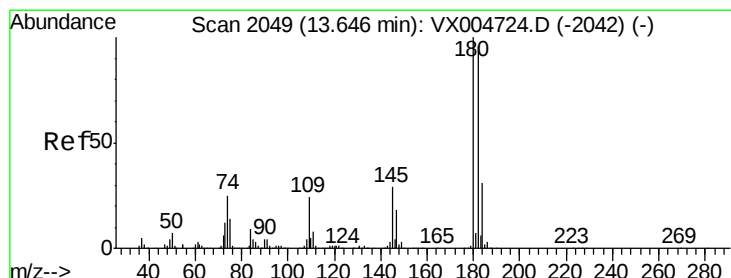
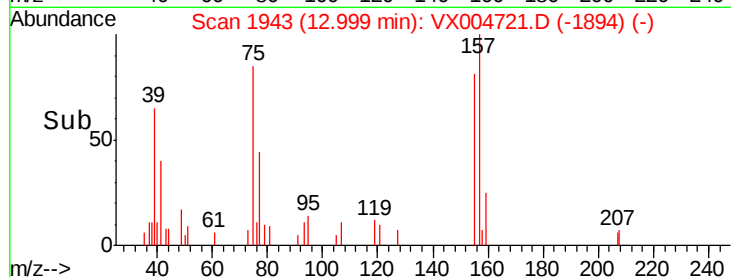
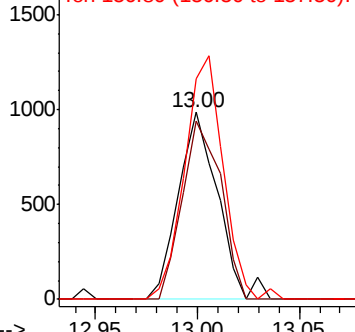
Tot Ion:	75	Resp:	1326
Ion	Ratio	Lower	Upper
75	100		
155	93.3	48.0	144.2
157	127.4	61.4	184.1

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Abundance Ion 74.90 (74.60 to 75.60): VX004721.D (-1936) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.843 ug/l

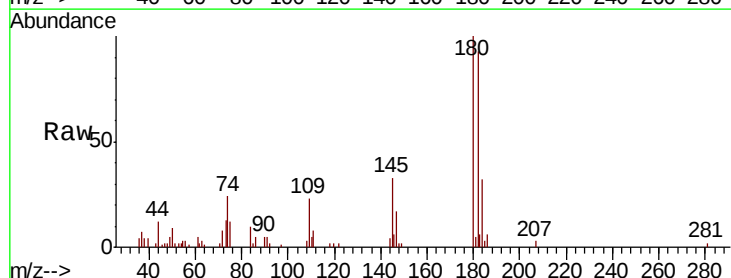
RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

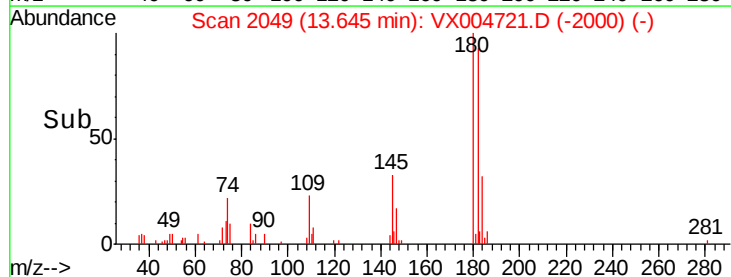
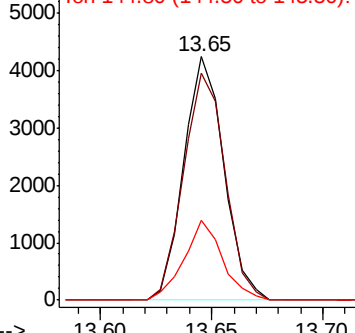
Lab File: VX004721.D

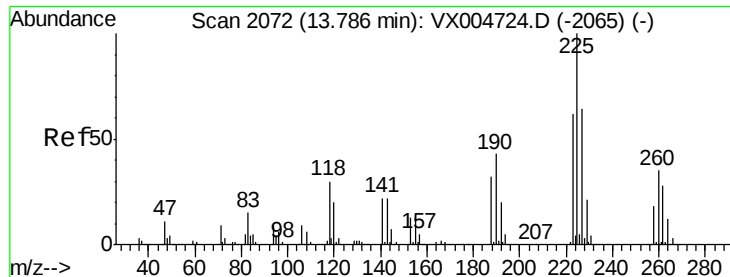
Acq: 26 Sep 2018 11:32

Tgt Ion:	180	Resp:	5330
Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	31.5	14.3	42.9



Abundance Ion 179.80 (179.50 to 180.50): VX004721.D (-2042) (-)





#94

Hexachlorobutadiene

Concen: 1.138 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Instrument :

MSVOA_X

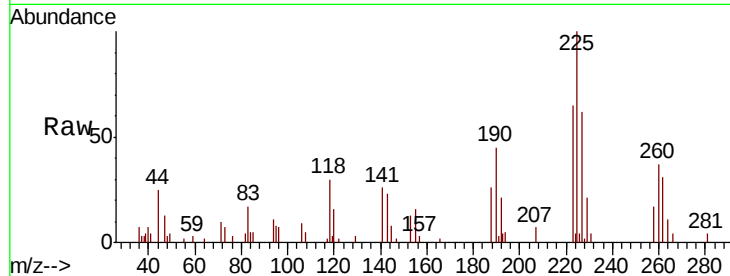
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	3452
Ion Ratio	Lower	Upper	
225	100		
223	65.5	30.1	90.5
227	64.7	30.8	92.4

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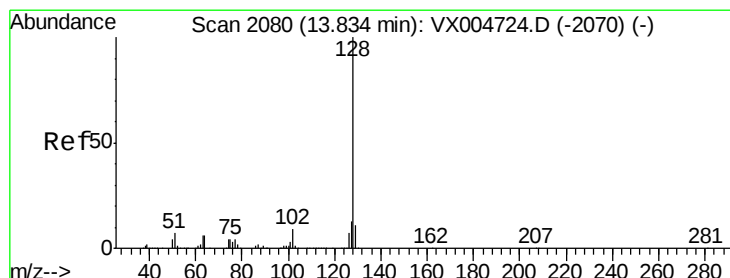
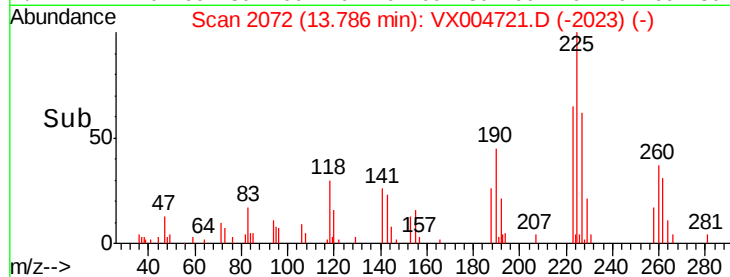
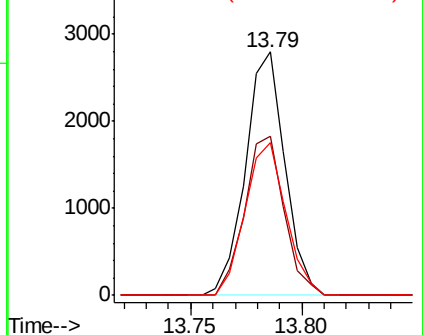


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.622 ug/l

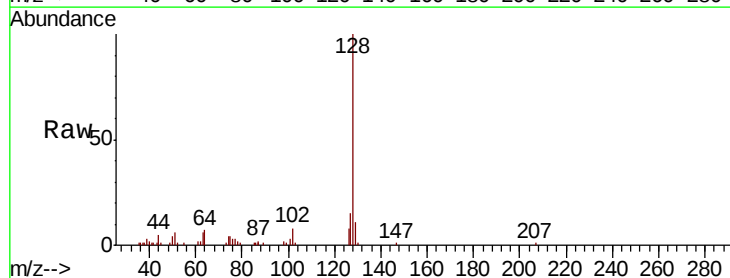
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004721.D

Acq: 26 Sep 2018 11:32

Tgt Ion:	128	Resp:	12616
Ion Ratio	Lower	Upper	
128	100		
127	15.1	10.2	15.2
129	11.8	8.6	12.8

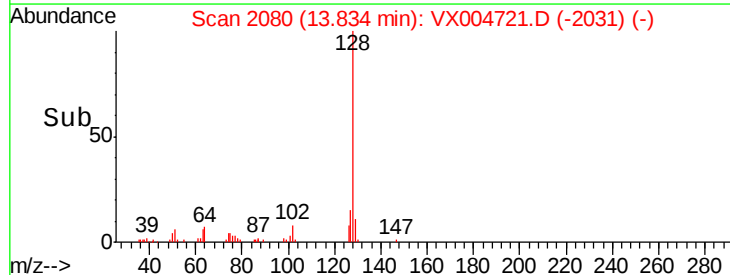
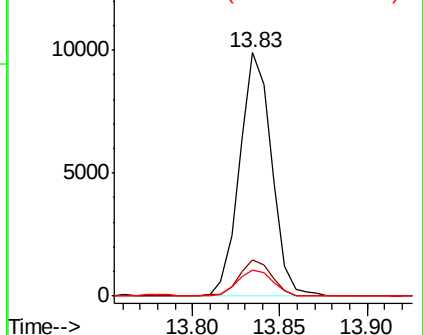


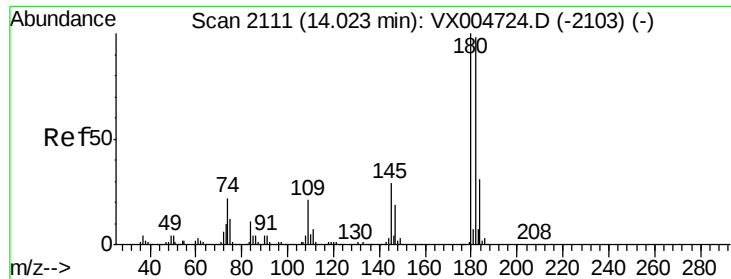
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





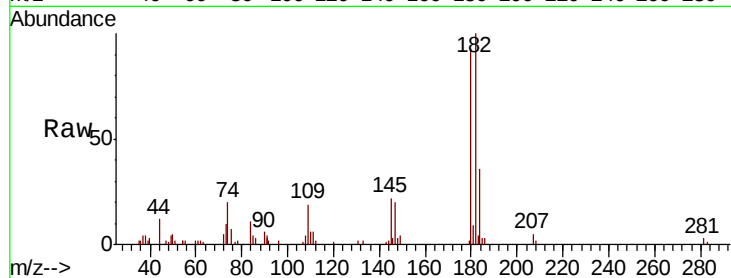
#96
 1,2,3-Trichlorobenzene
 Concen: 0.850 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX004721.D
 Acq: 26 Sep 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.6	48.5	145.6	
145	28.8	14.9	44.9	

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 APPROVED

MMDadoda
 10/1/2018 1:30:57 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

