

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101818\
 Data File : VX005443.D
 Acq On : 18 Oct 2018 21:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 1:51:31 PM

Quant Time: Oct 19 05:24:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203605	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146083	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	5.51	113	129232	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	8.71	98	460619	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.14	95	174339	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102001	47.047	ug/l	91
3) Chloromethane	1.32	50	143966	45.827	ug/l	99
4) Vinyl Chloride	1.40	62	142154	44.669	ug/l	98
5) Bromomethane	1.64	94	78582	43.795	ug/l	97
6) Chloroethane	1.71	64	91916	48.788	ug/l	96
7) Trichlorofluoromethane	1.92	101	203294	47.870	ug/l	100
8) Diethyl Ether	2.19	74	86873	47.903	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121342	49.504	ug/l	96
10) Methyl Iodide	2.51	142	160103	59.094	ug/l	97
11) Tert butyl alcohol	3.08	59	218337	251.509	ug/l	99
12) 1,1-Dichloroethene	2.37	96	113408	46.697	ug/l	99
13) Acrolein	2.29	56	141999	256.391	ug/l	95
14) Allyl chloride	2.72	41	257430	48.280	ug/l	92
15) Acrylonitrile	3.15	53	478794	243.389	ug/l	97
16) Acetone	2.45	43	405494	227.888	ug/l	97
17) Carbon Disulfide	2.56	76	317090	43.101	ug/l	100
18) Methyl Acetate	2.78	43	277927	54.902	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	435858	50.958	ug/l	98
20) Methylene Chloride	2.85	84	144344	55.827	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	123656	45.945	ug/l	89
22) Diisopropyl ether	3.87	45	456562	50.980	ug/l #	94
23) Vinyl Acetate	3.82	43	1909517	243.945	ug/l	97
24) 1,1-Dichloroethane	3.69	63	243970	47.533	ug/l	99
25) 2-Butanone	4.71	43	629983	241.984	ug/l	93
26) 2,2-Dichloropropane	4.59	77	160407	41.787	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	139332	47.635	ug/l	96
28) Bromochloromethane	5.02	49	118235	50.531	ug/l	99
29) Tetrahydrofuran	5.16	42	417958	251.684	ug/l	95
30) Chloroform	5.20	83	238564	50.076	ug/l #	80
31) Cyclohexane	5.57	56	207688	49.094	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	206475	49.809	ug/l	99
36) 1,1-Dichloropropene	5.80	75	164470	43.988	ug/l	97
37) Ethyl Acetate	4.85	43	229363	47.700	ug/l	98
38) Carbon Tetrachloride	5.77	117	178182	47.428	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190909	47.177	ug/l #	88
40) Benzene	6.15	78	534853	47.686	ug/l	98
41) Methacrylonitrile	5.06	41	134273	52.087	ug/l	95
42) 1,2-Dichloroethane	6.20	62	181522	45.834	ug/l	97
43) Isopropyl Acetate	6.46	43	338216	52.803	ug/l	99
44) Trichloroethene	7.21	130	138727	48.421	ug/l	93
45) 1,2-Dichloropropane	7.51	63	134633	48.934	ug/l	98
46) Dibromomethane	7.66	93	85697	47.193	ug/l	96
47) Bromodichloromethane	7.90	83	166377	49.533	ug/l	99
48) Methyl methacrylate	7.77	41	166727	50.187	ug/l	96
49) 1,4-Dioxane	7.76	88	77851	1016.015	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1144942	258.153	ug/l	97
52) Toluene	8.79	92	312888	50.990	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	188531	51.865	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	201490	51.157	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131758	50.694	ug/l	97
56) Ethyl methacrylate	9.18	69	210726	55.616	ug/l	97
57) 1,3-Dichloropropane	9.37	76	220574	50.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	572705	269.521	ug/l	96
59) 2-Hexanone	9.50	43	909345	254.888	ug/l	95
60) Dibromochloromethane	9.59	129	139220	51.821	ug/l	100
61) 1,2-Dibromoethane	9.68	107	137384	50.367	ug/l	98
64) Tetrachloroethene	9.34	164	143724	50.291	ug/l	98
65) Chlorobenzene	10.14	112	358909	47.531	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	132828	49.362	ug/l	100
67) Ethyl Benzene	10.25	91	607866	49.519	ug/l	98
68) m/p-Xylenes	10.36	106	473351	99.348	ug/l	96
69) o-Xylene	10.70	106	229839	50.018	ug/l	97
70) Styrene	10.71	104	386941	51.196	ug/l	98
71) Bromoform	10.86	173	120114	49.950	ug/l	100
73) Isopropylbenzene	11.02	105	626804	51.786	ug/l	100
74) N-amyl acetate	10.90	43	298648	51.157	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	218189	47.787	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	204571m	51.799	ug/l	
77) Bromobenzene	11.26	156	170032	49.131	ug/l	99
78) n-propylbenzene	11.36	91	709310	50.926	ug/l	100
79) 2-Chlorotoluene	11.42	91	425112	49.837	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	533211	51.444	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	61934	47.650	ug/l	98
82) 4-Chlorotoluene	11.51	91	501053	49.551	ug/l	99
83) tert-Butylbenzene	11.77	119	537203	51.181	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	551313	51.686	ug/l	97
85) sec-Butylbenzene	11.94	105	642693	51.741	ug/l	100
86) p-Isopropyltoluene	12.07	119	581608	51.805	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	314742	48.670	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	317624	48.011	ug/l	100
89) n-Butylbenzene	12.39	91	506562	49.694	ug/l	98
90) Hexachloroethane	12.60	117	93181	48.159	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	318450	48.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53187	47.755	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	251223	51.887	ug/l	98
94) Hexachlorobutadiene	13.79	225	122443	47.883	ug/l	95
95) Naphthalene	13.83	128	775780	55.249	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	253620	51.195	ug/l	99

(#) = 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. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 277288

Ion Ratio Lower Upper

168 100

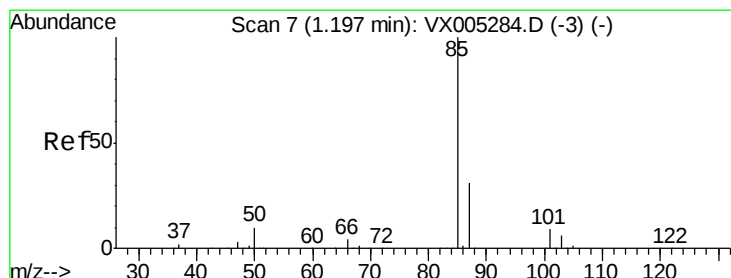
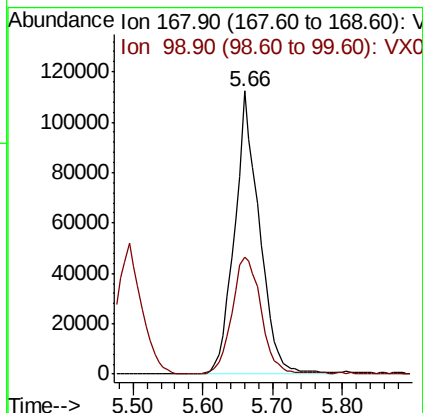
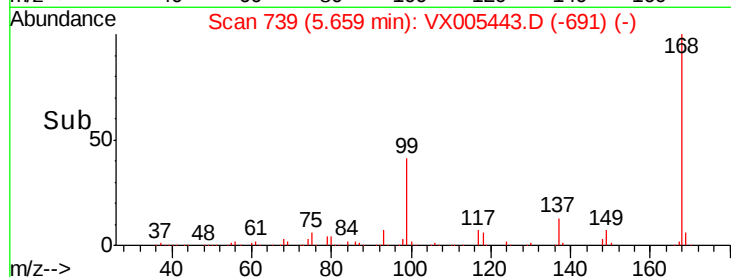
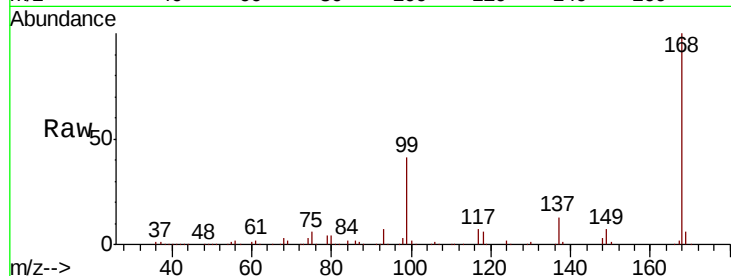
99 41.1 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.047 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005443.D

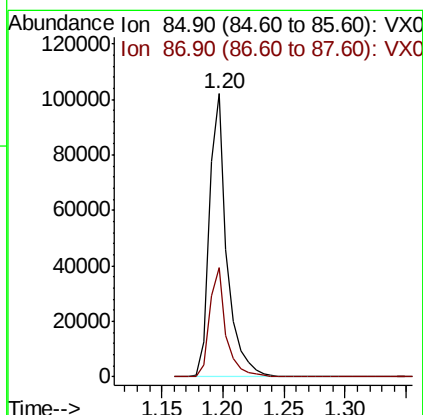
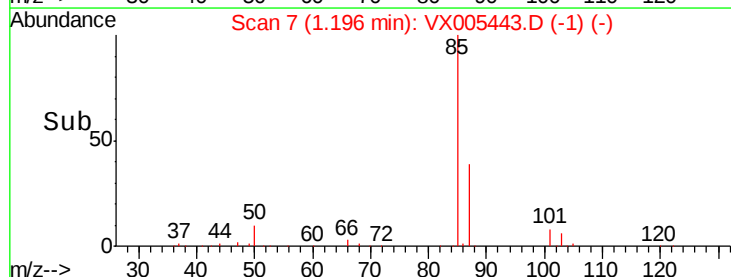
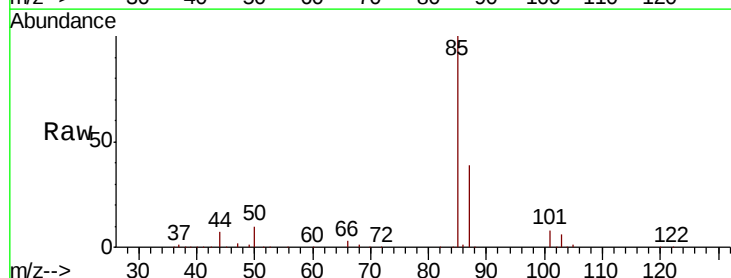
Acq: 18 Oct 2018 21:04

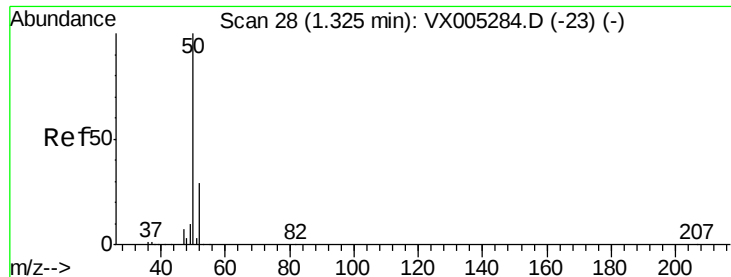
Tgt Ion: 85 Resp: 102001

Ion Ratio Lower Upper

85 100

87 38.8 17.0 50.9





#3

Chloromethane

Concen: 45.827 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 143966

Ion Ratio Lower Upper

50 100

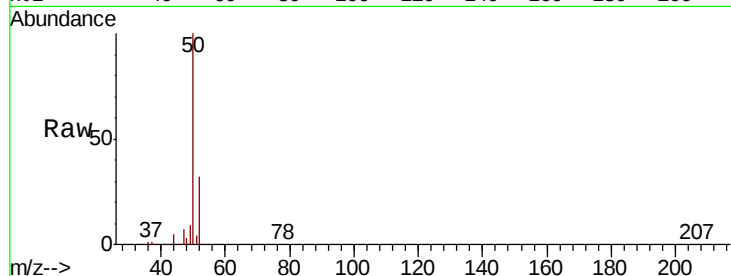
52 32.0 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

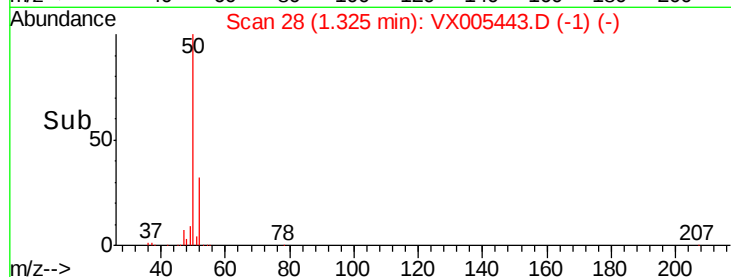
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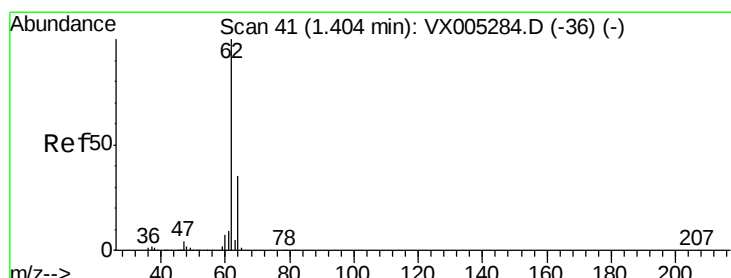
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 44.669 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005443.D

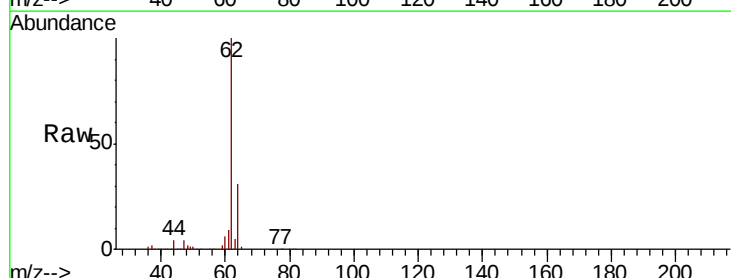
Acq: 18 Oct 2018 21:04

Tgt Ion: 62 Resp: 142154

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

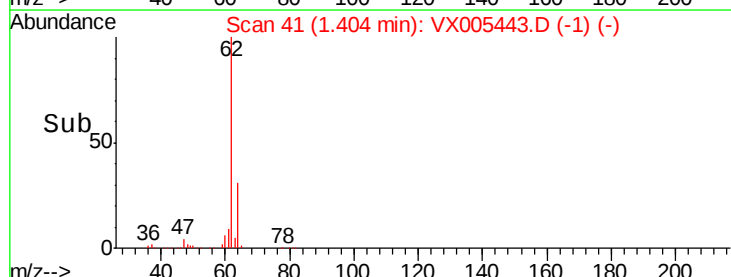
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100000

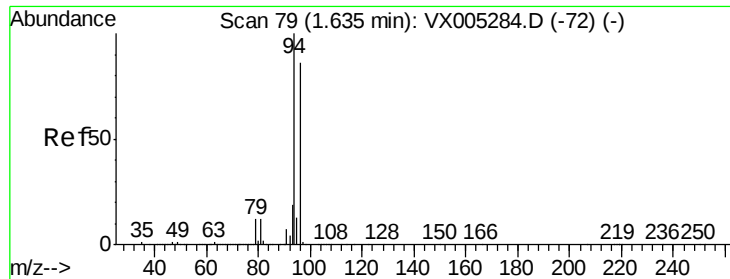
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0

Time-->



Time-->



#5

Bromomethane

Concen: 43.795 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tot Ion: 94 Resp: 78582

Ion Ratio Lower Upper

94 100

96 95.6 74.5 111.7

Instrument :

MSVOA_X

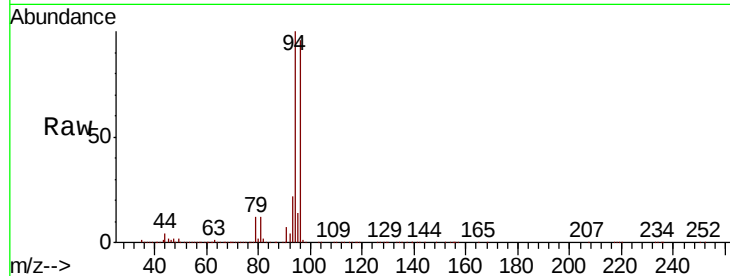
ClientSampleId :

VSTDCCC050EC

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

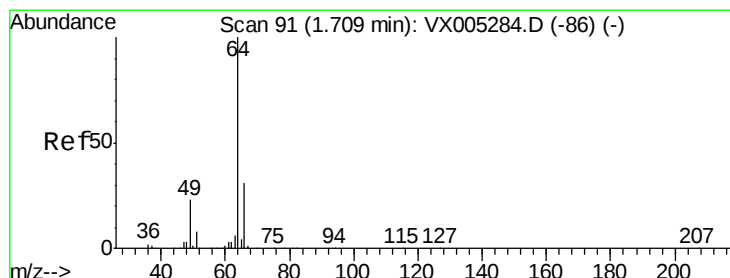
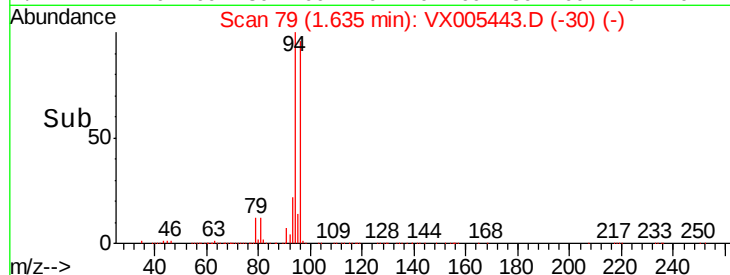
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40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.788 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005443.D

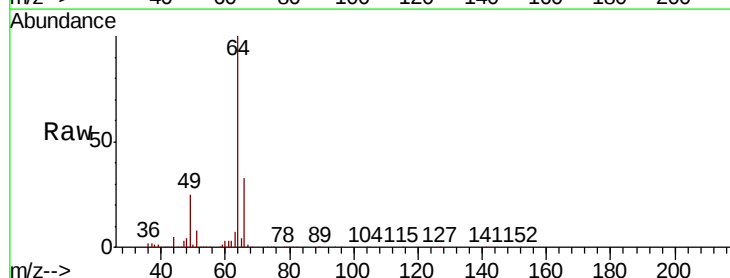
Acq: 18 Oct 2018 21:04

Tgt Ion: 64 Resp: 91916

Ion Ratio Lower Upper

64 100

66 32.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

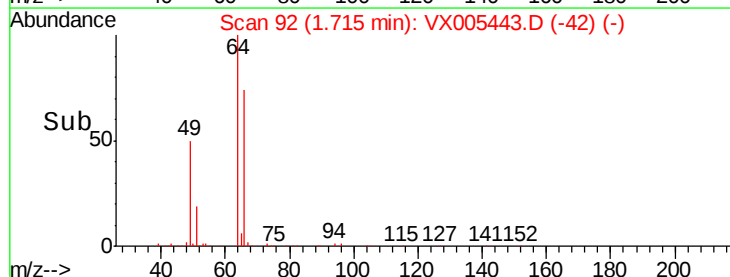
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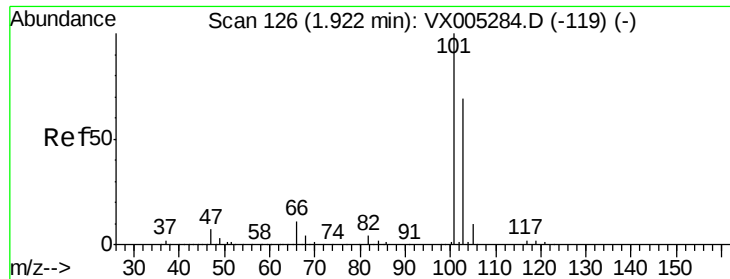
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20000

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Time-->





#7

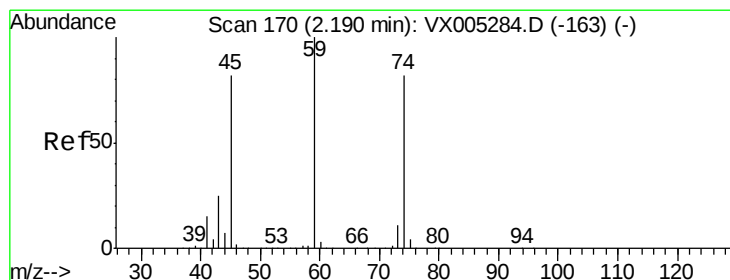
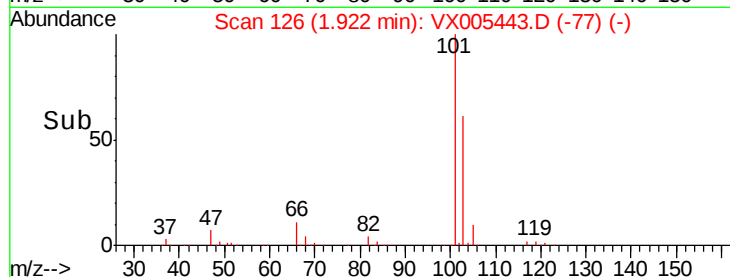
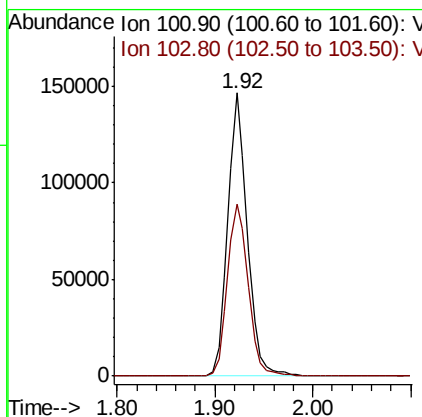
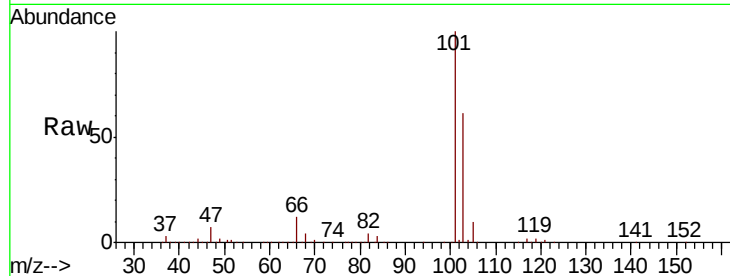
Trichlorofluoromethane
Concen: 47.870 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005443.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	48.9	73.3

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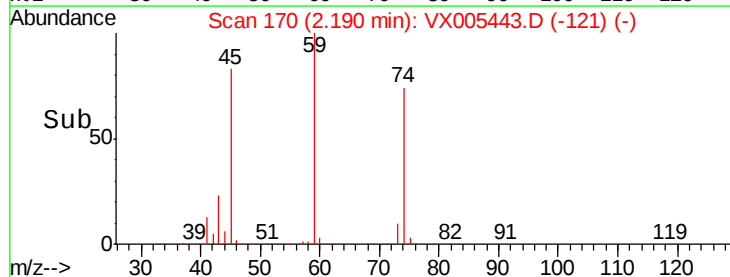
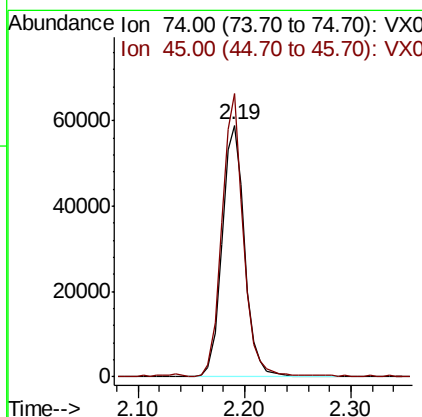
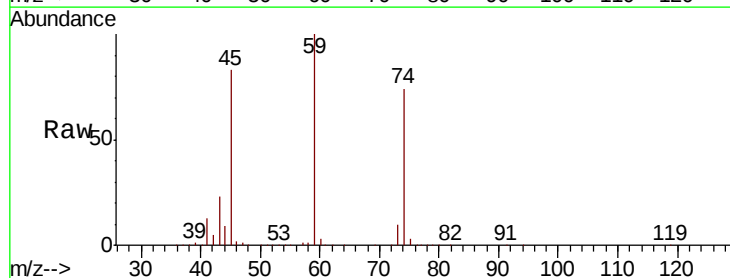
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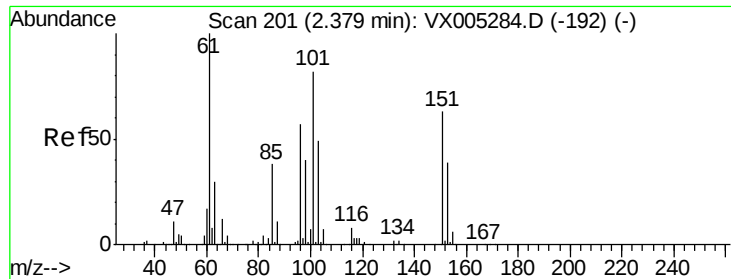


#8

Diethyl Ether
Concen: 47.903 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.504 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

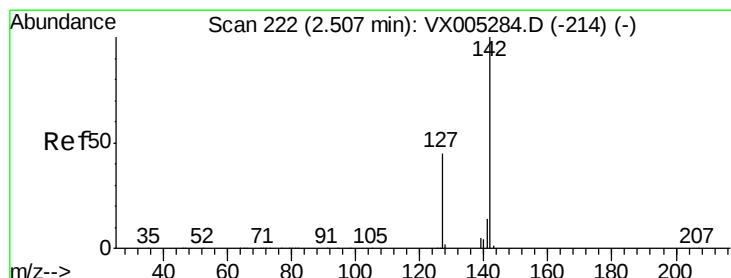
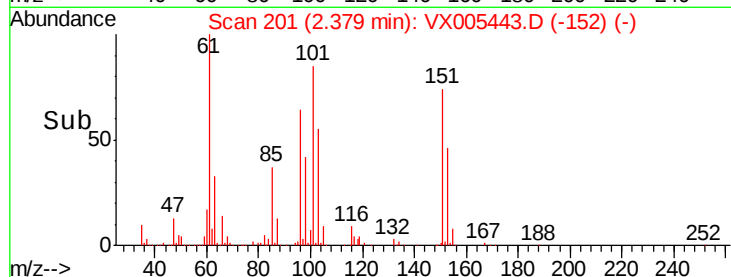
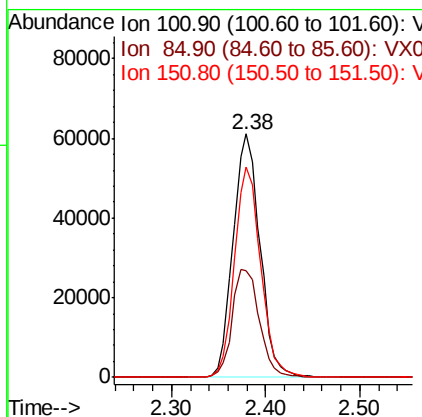
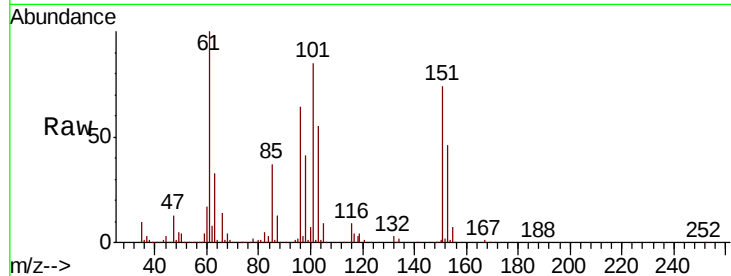
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121342
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.2	51.4
151	84.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 59.094 ug/l

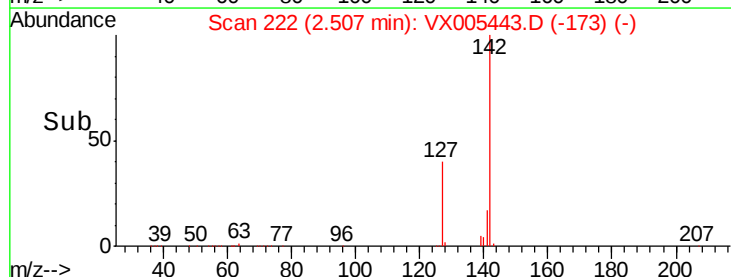
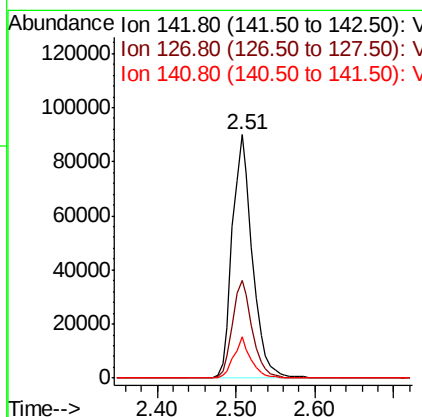
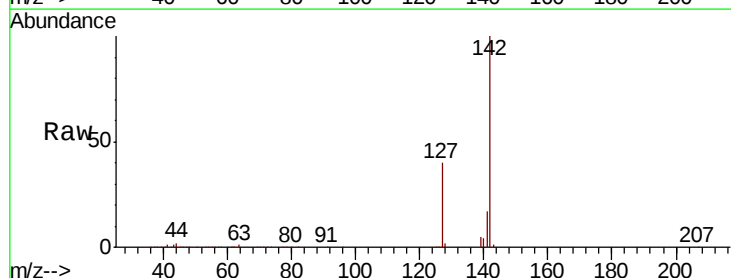
RT: 2.51 min Scan# 222

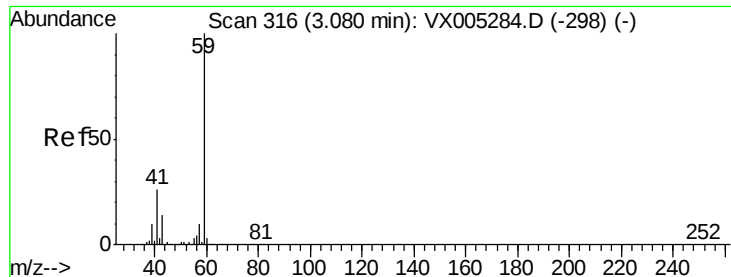
Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:	142	Resp:	160103
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.8	50.6
141	14.4	11.4	17.0





#11

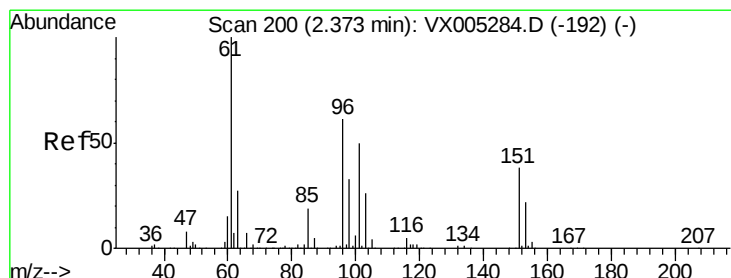
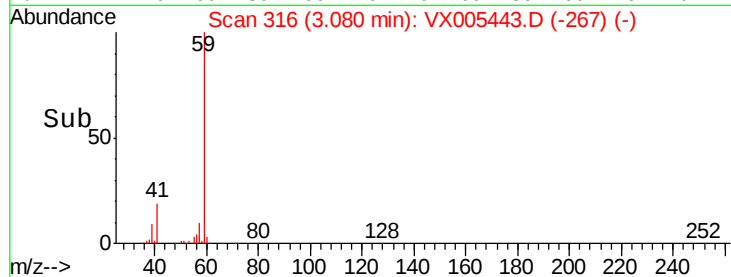
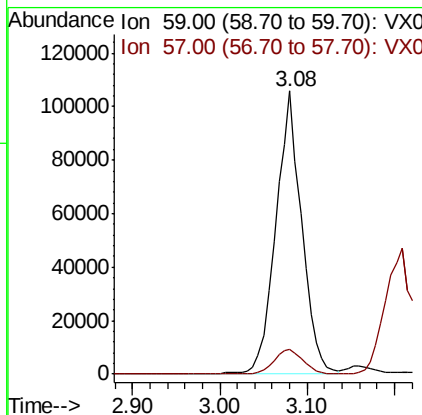
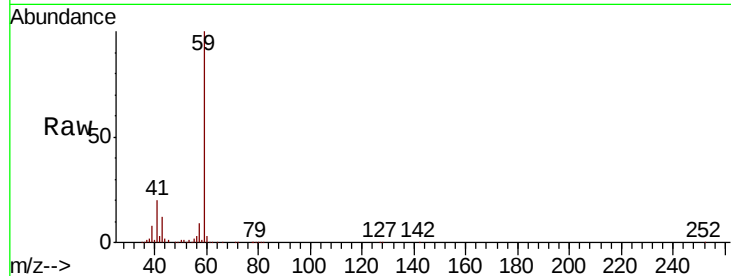
Tert butyl alcohol
Concen: 251.509 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	218337
Ion Ratio	100	Lower	Upper
57	9.9	8.2	12.4

Manual Integrations
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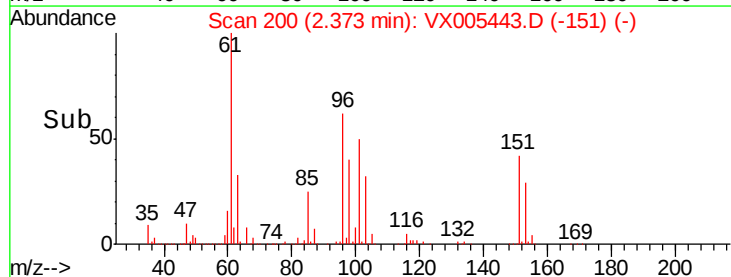
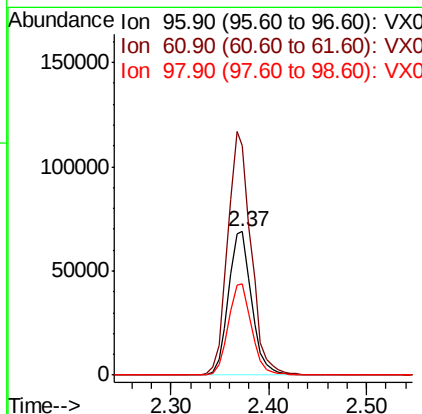
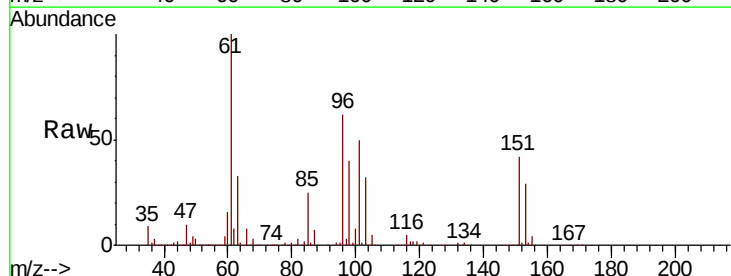
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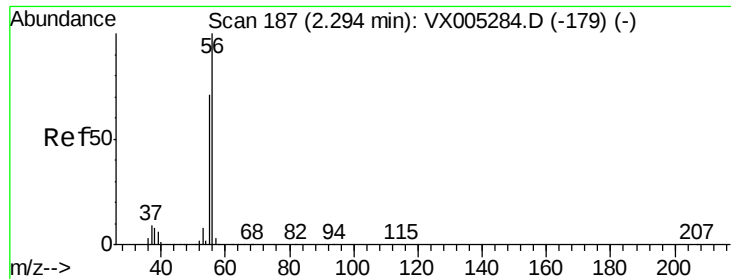


#12

1,1-Dichloroethene
Concen: 46.697 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	96	Resp	113408
Ion Ratio	100	Lower	Upper
61	160.4	128.8	193.2
98	63.6	52.2	78.2





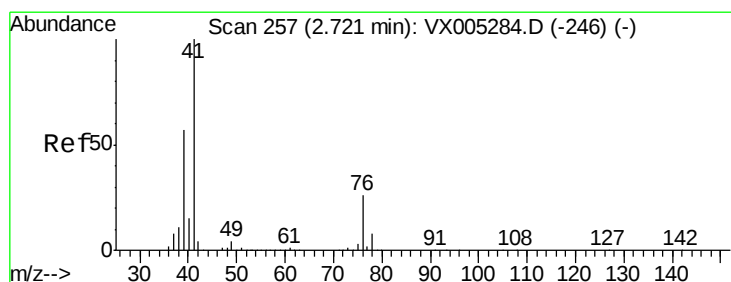
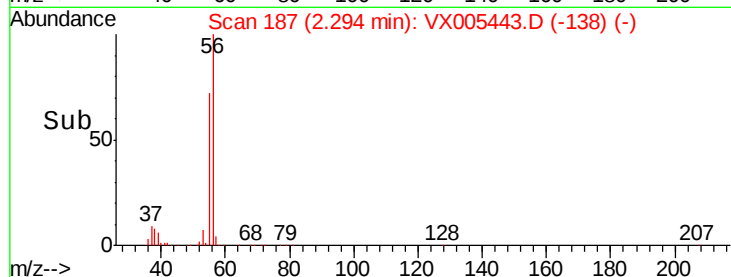
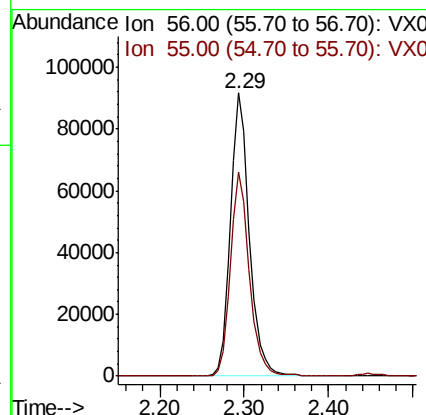
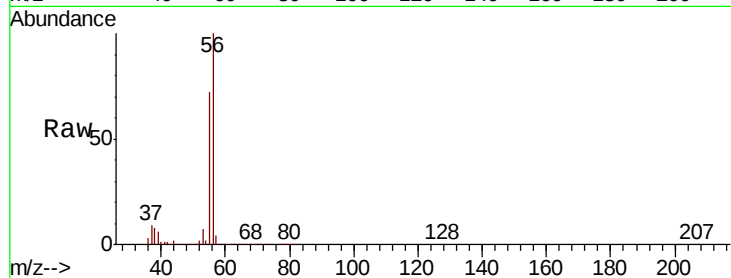
#13
Acrolein
Concen: 256.391 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	54.7	82.1

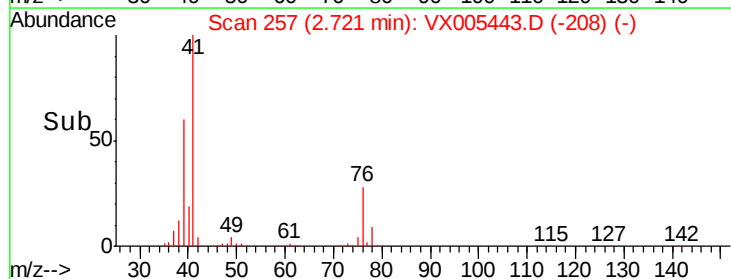
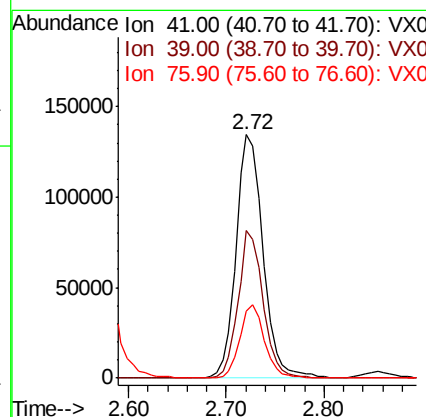
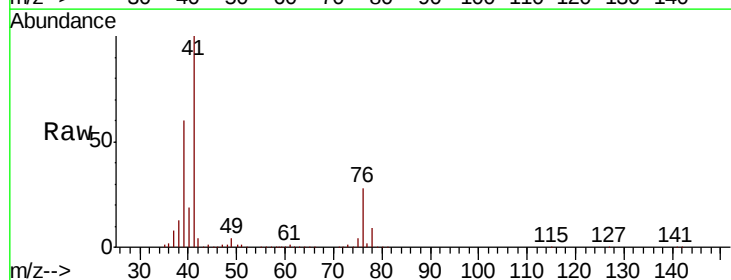
Manual Integrations
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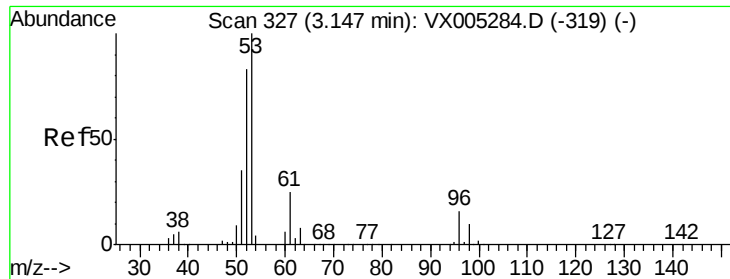
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#14
Allyl chloride
Concen: 48.280 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.1	48.9	73.3
76	27.5	26.7	40.1





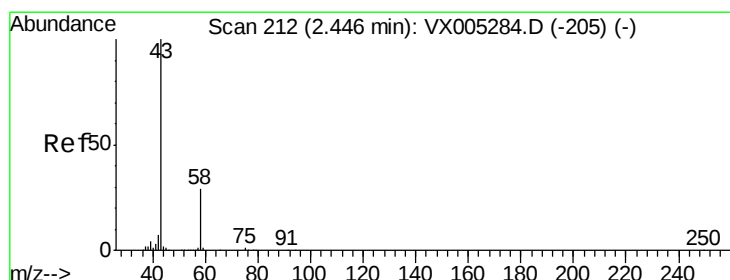
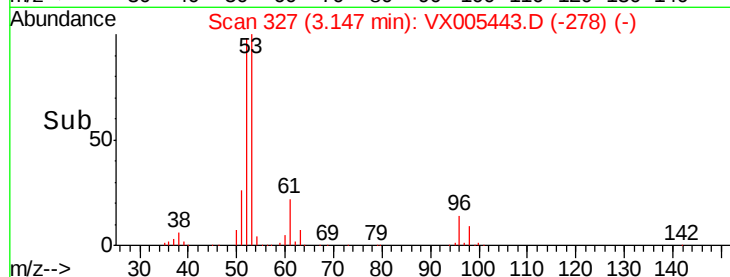
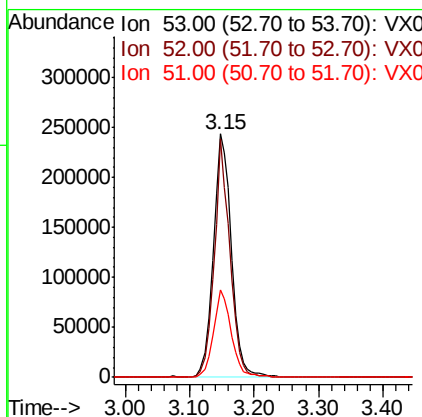
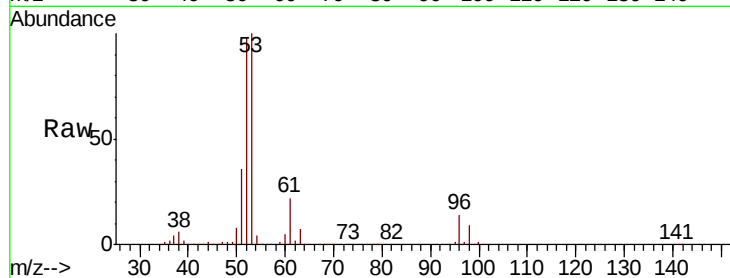
#15
 Acrylonitrile
 Concen: 243.389 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.2	97.8
51	35.7	28.2	42.2

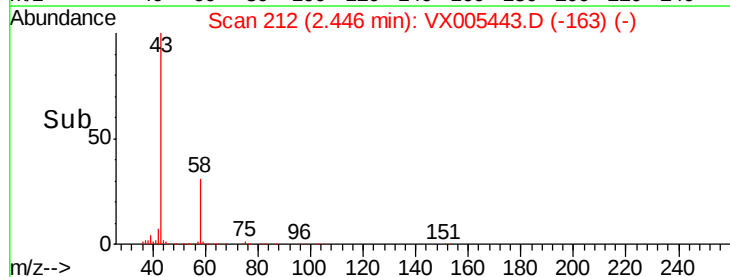
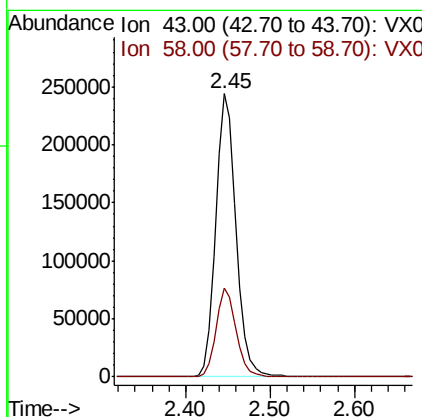
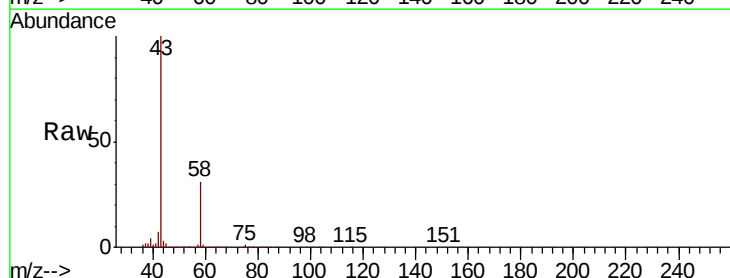
Manual Integrations
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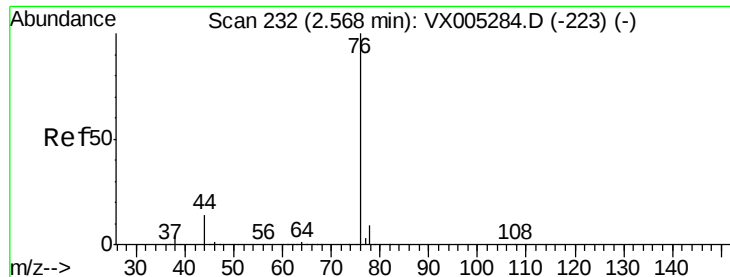
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#16
 Acetone
 Concen: 227.888 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	26.2	39.4





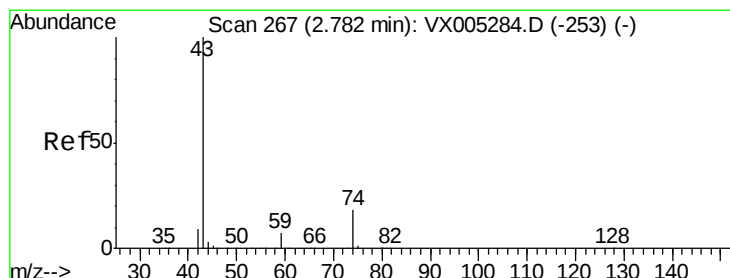
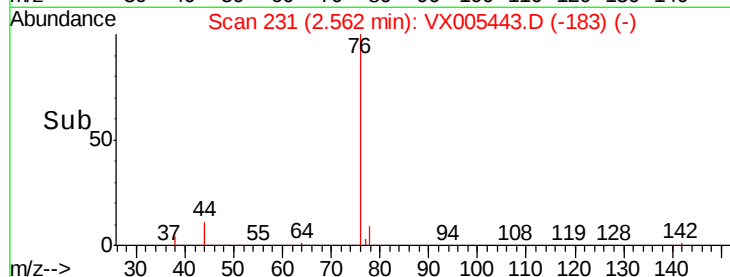
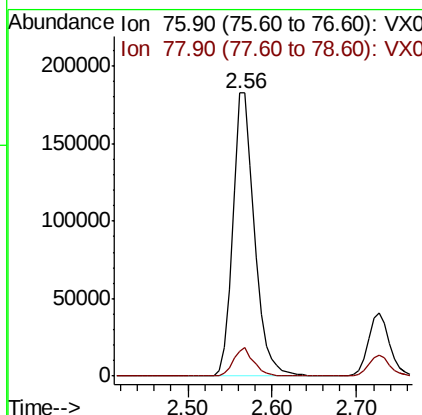
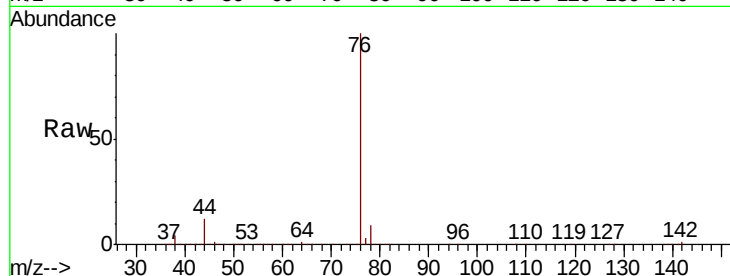
#17
Carbon Disulfide
Concen: 43.101 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

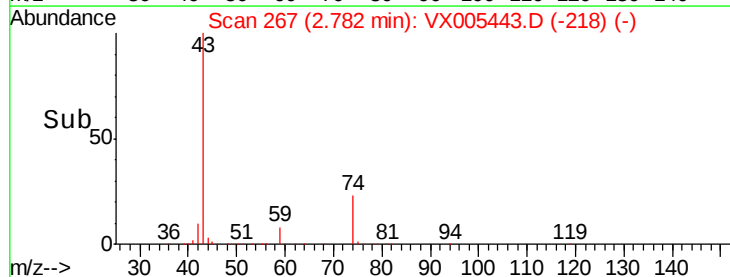
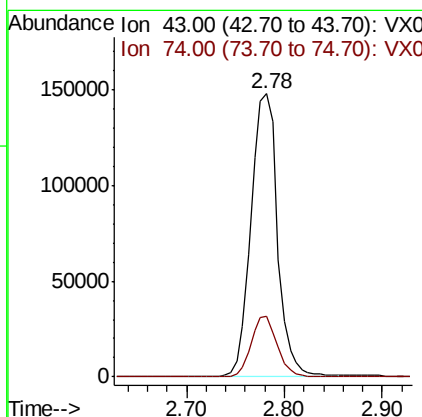
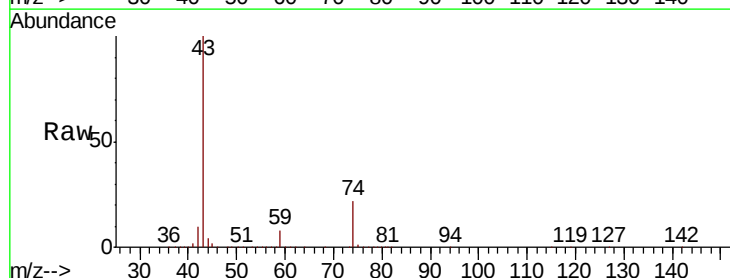
Manual Integrations
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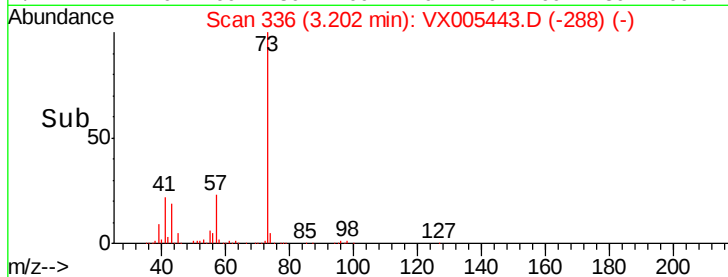
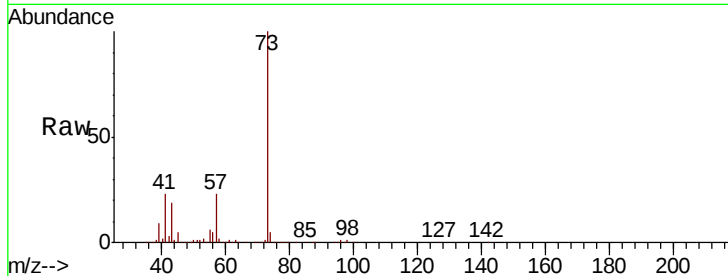
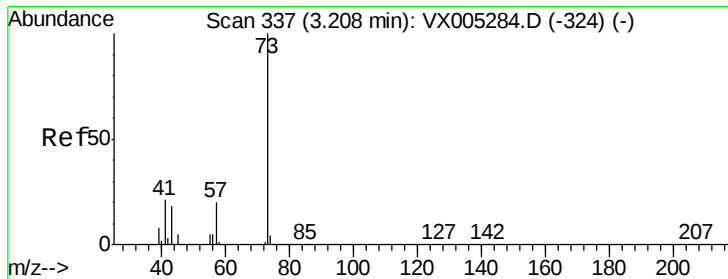
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#18
Methyl Acetate
Concen: 54.902 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	19.4	29.2





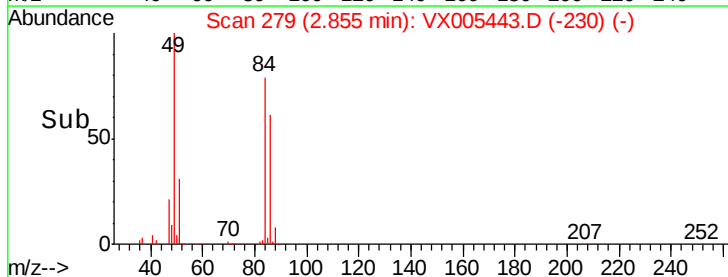
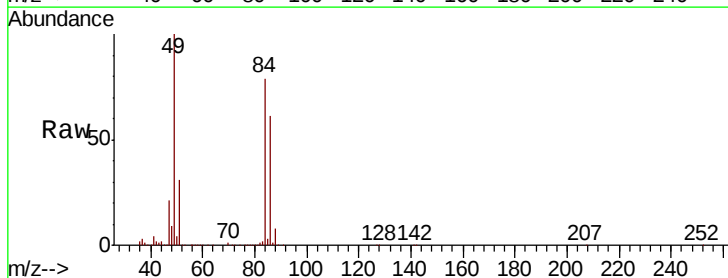
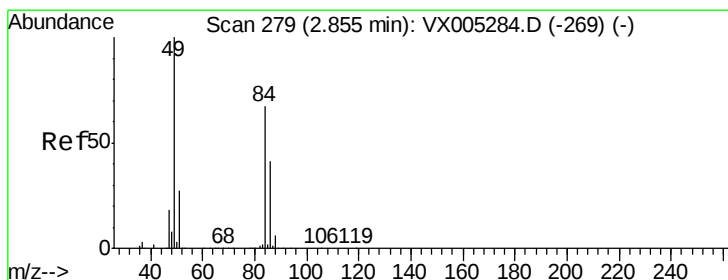
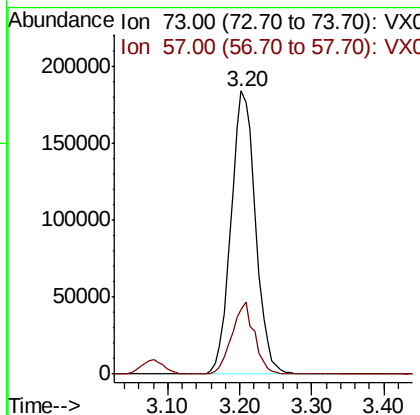
#19
Methyl tert-butyl Ether
Concen: 50.958 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tot Ion: 73 Resp: 435858
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

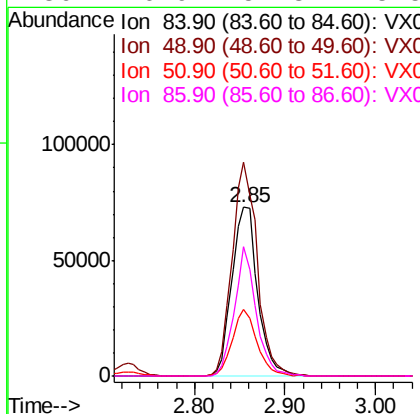
Manual Integrations
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#20
Methylene Chloride
Concen: 55.827 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 84 Resp: 144344
Ion Ratio Lower Upper
84 100
49 126.7 101.2 151.8
51 39.8 29.5 44.3
86 76.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 45.945 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

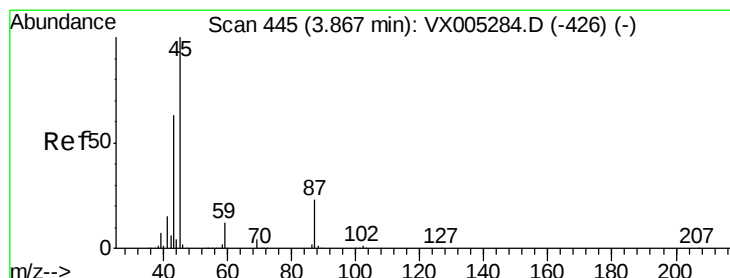
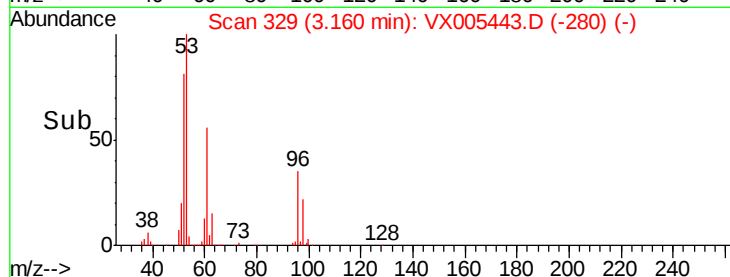
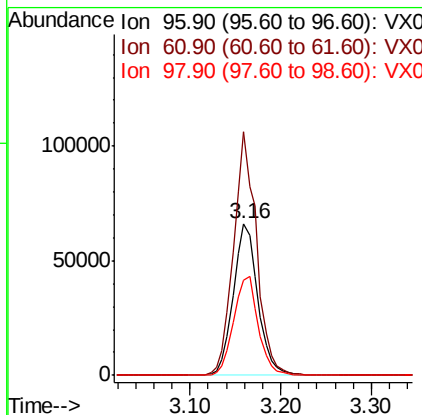
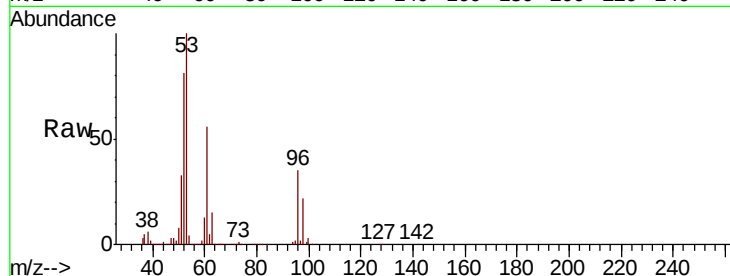
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123656
Ion Ratio	Lower	Upper	
96	100		
61	160.2	113.8	170.6
98	62.4	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.980 ug/l

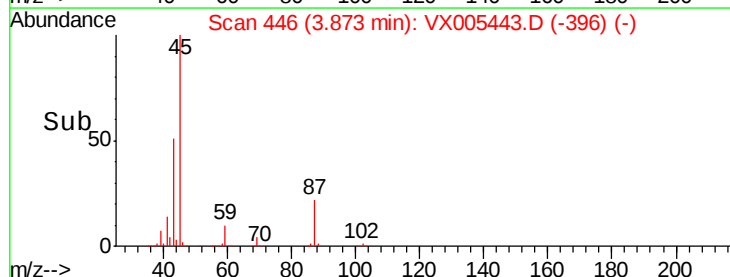
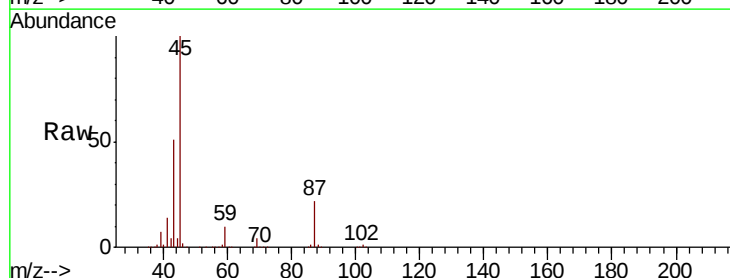
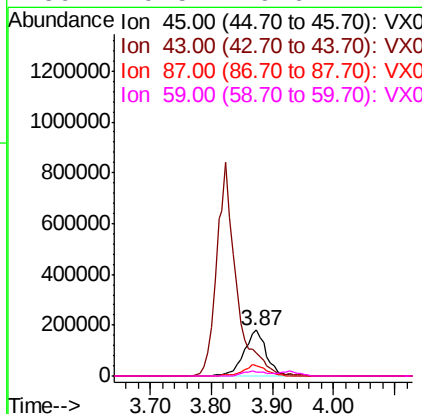
RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:	45	Resp:	456562
Ion Ratio	Lower	Upper	
45	100		
43	51.1	42.8	64.2
87	21.9	22.6	34.0#
59	9.5	9.6	14.4#





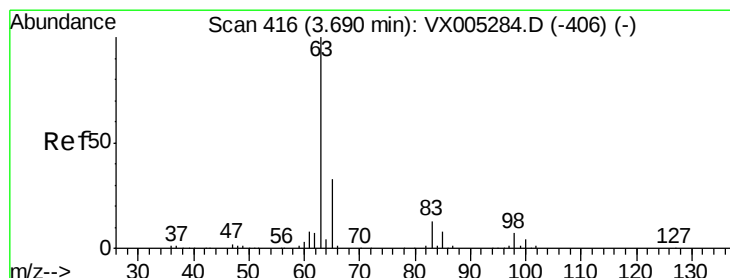
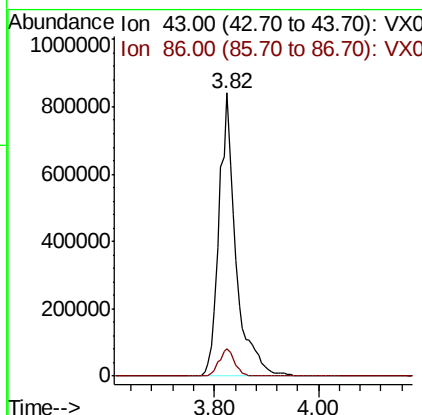
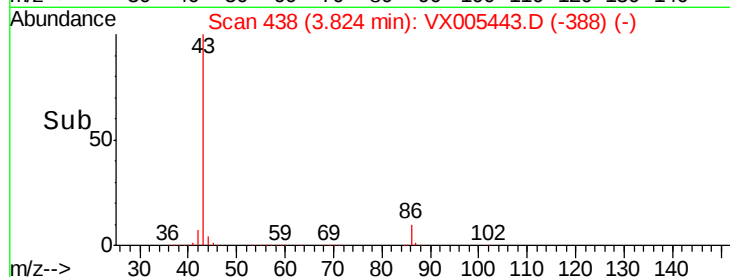
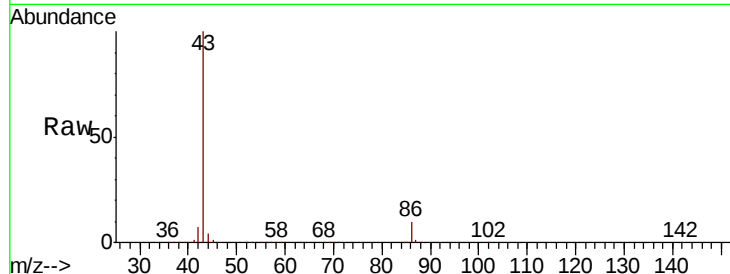
#23
 Vinyl Acetate
 Concen: 243.945 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1909517
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.9 13.3

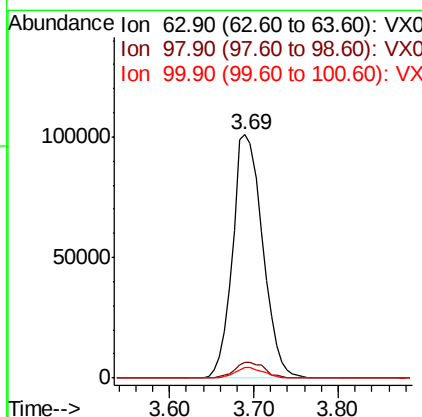
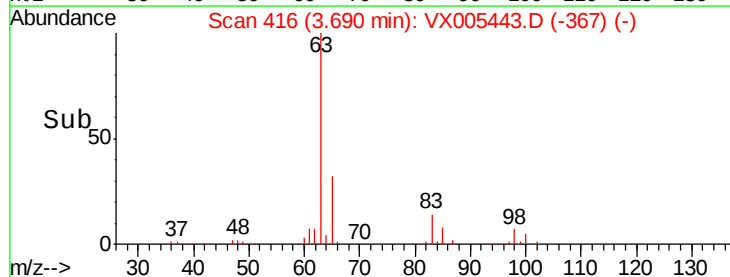
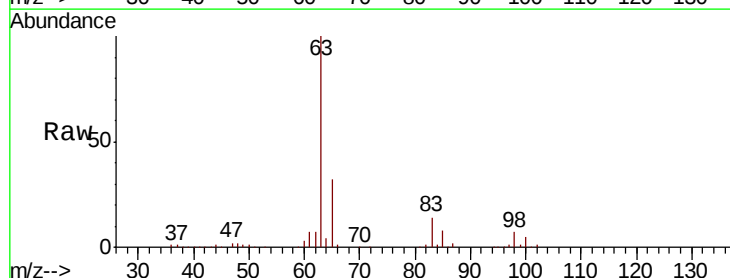
Manual Integrations
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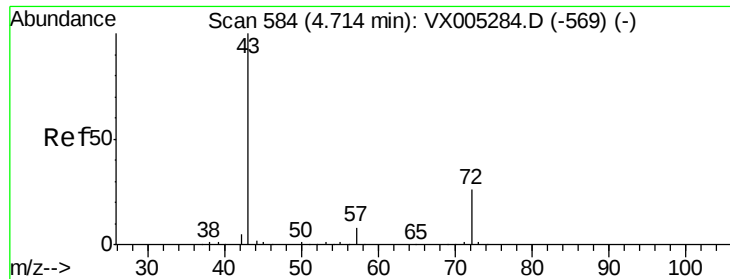
MMDadoda
 10/19/2018 1:51:31 PM



#24
 1,1-Dichloroethane
 Concen: 47.533 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 63 Resp: 243970
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 241.984 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 629983

Ion Ratio Lower Upper

43 100

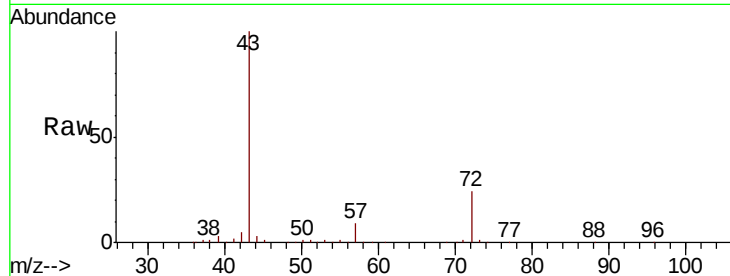
72 23.9 22.0 33.0

Manual Integrations

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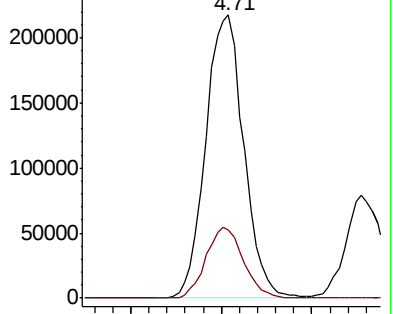
MMDadoda

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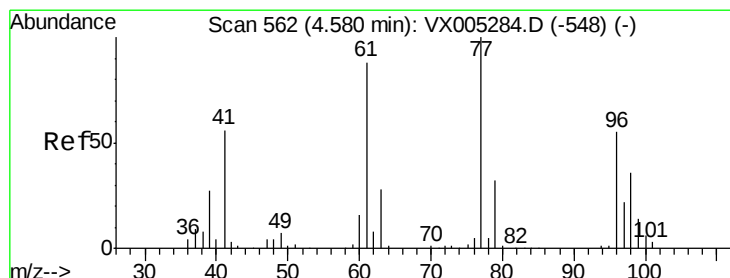
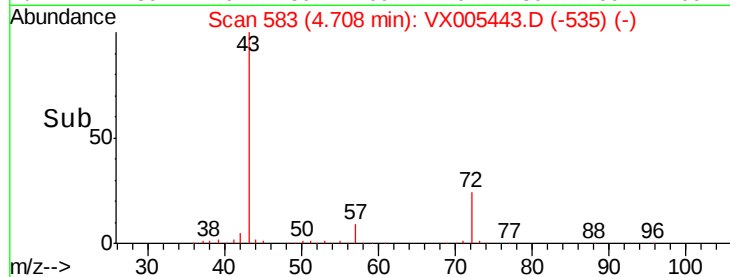


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 41.787 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005443.D

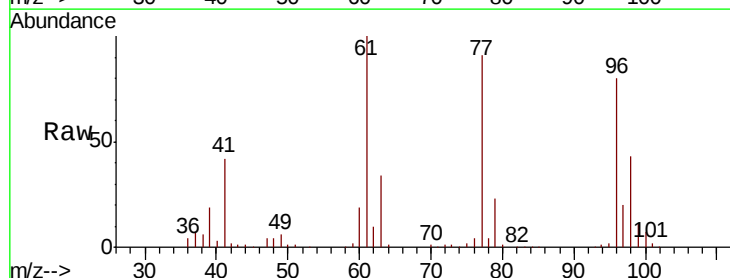
Acq: 18 Oct 2018 21:04

Tgt Ion: 77 Resp: 160407

Ion Ratio Lower Upper

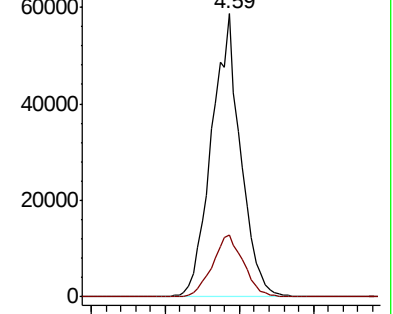
77 100

97 23.3 11.7 35.0

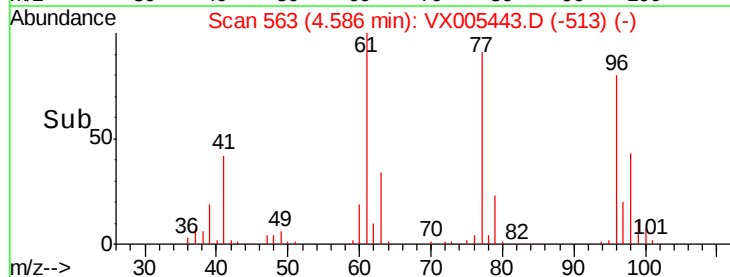


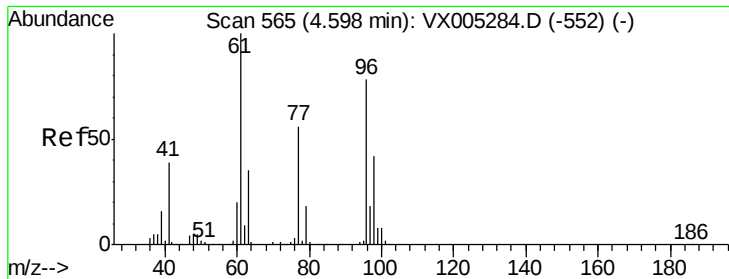
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

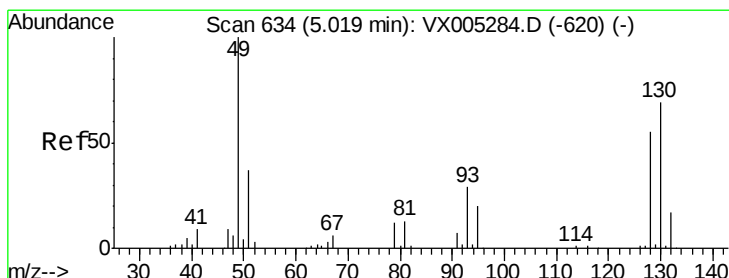
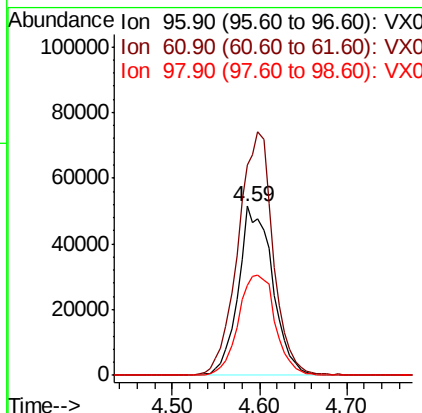
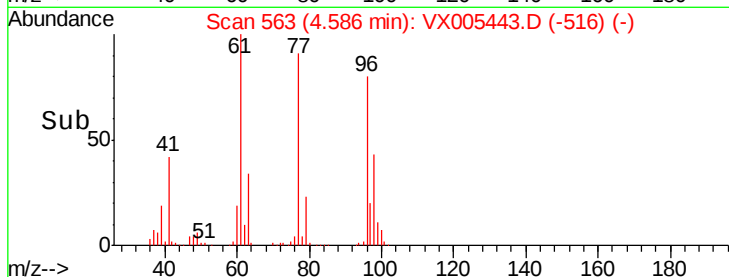
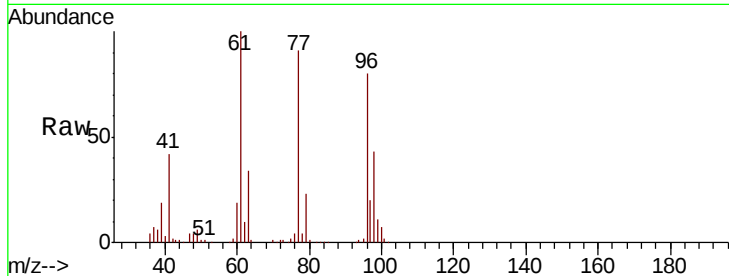
cis-1,2-Dichloroethene
Concen: 47.635 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139332		
61	147.4	0.0	282.6	
98	64.3	0.0	130.2	

Manual Integrations
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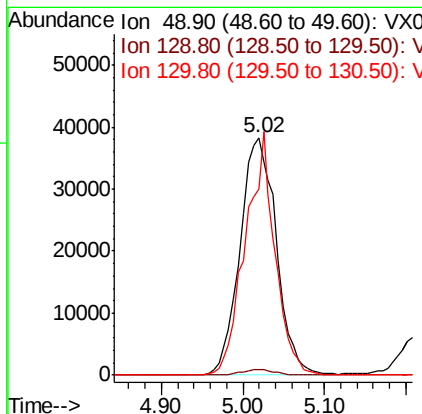
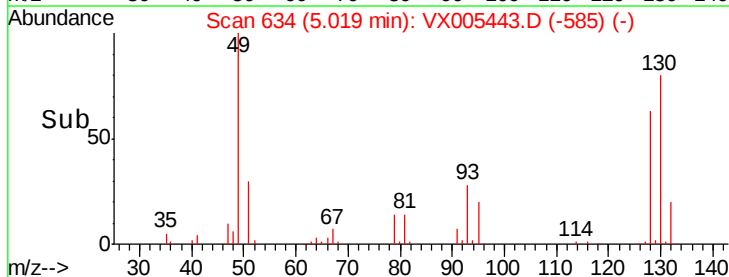
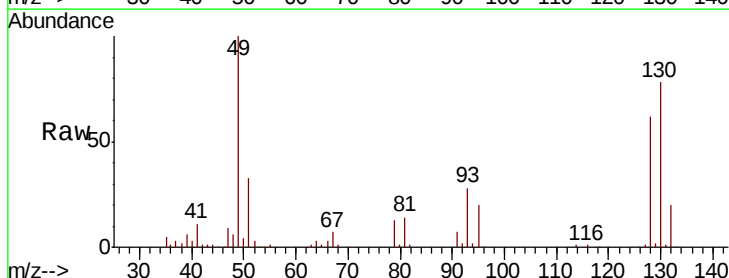
MMDadoda
10/19/2018 1:51:31 PM

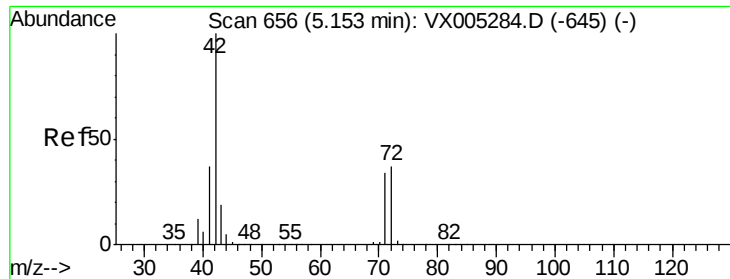


#28

Bromochloromethane
Concen: 50.531 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118235		
129	2.1	0.0	4.2	
130	83.7	67.5	101.3	





#29

Tetrahydrofuran

Concen: 251.684 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

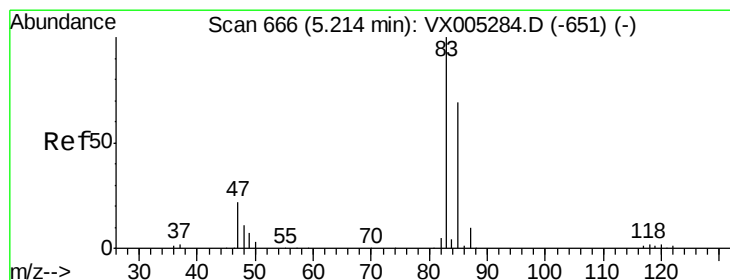
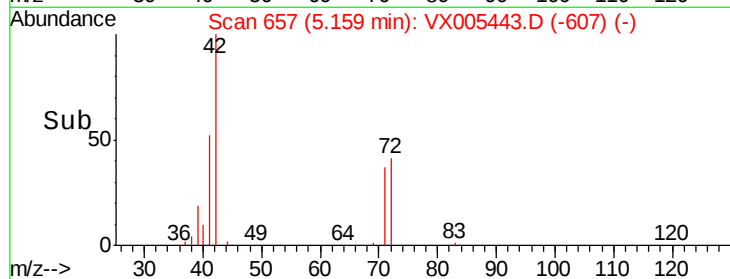
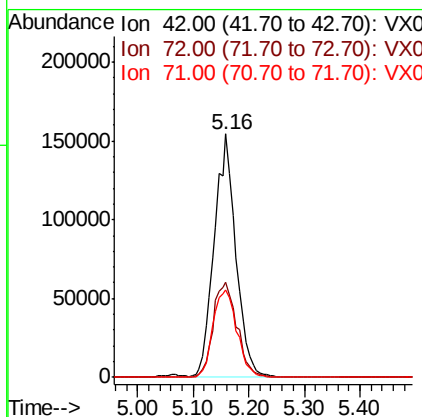
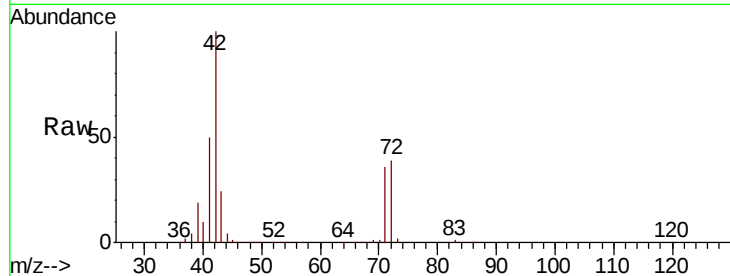
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	417958
Ion	Ratio	Lower	Upper
42	100		
72	43.1	37.4	56.0
71	39.9	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 50.076 ug/l

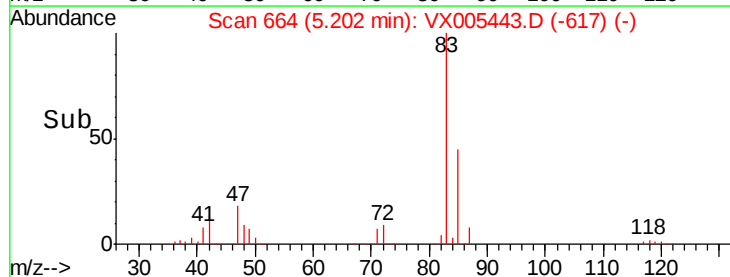
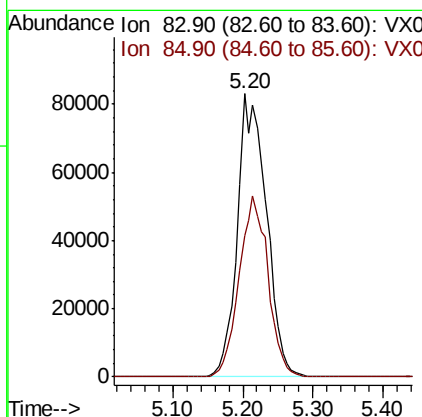
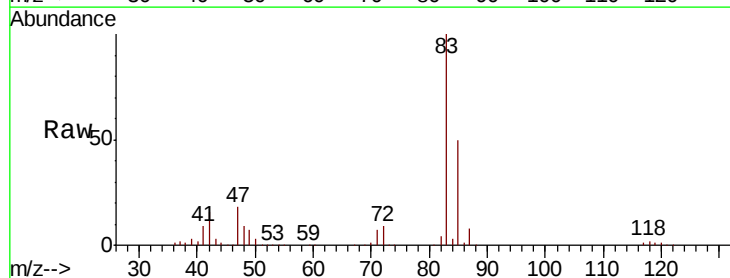
RT: 5.20 min Scan# 664

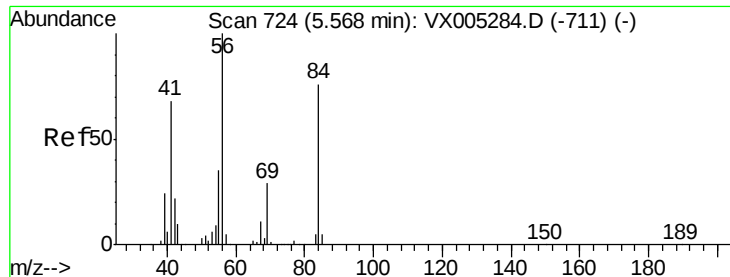
Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:	83	Resp:	238564
Ion	Ratio	Lower	Upper
83	100		
85	50.0	52.6	79.0#





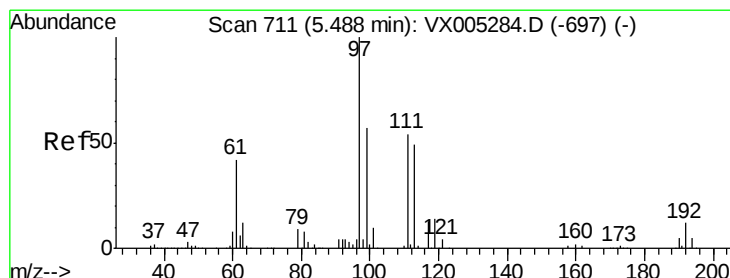
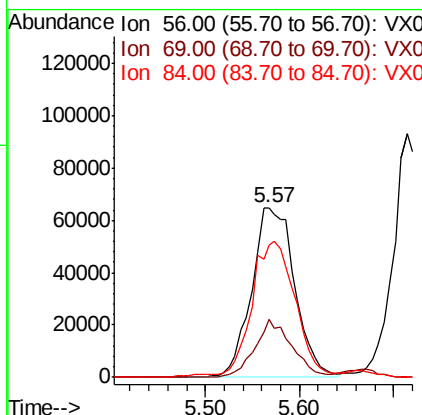
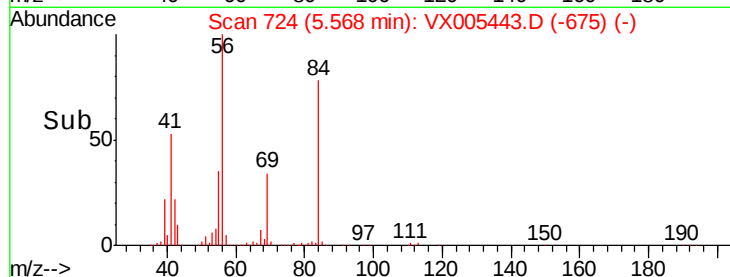
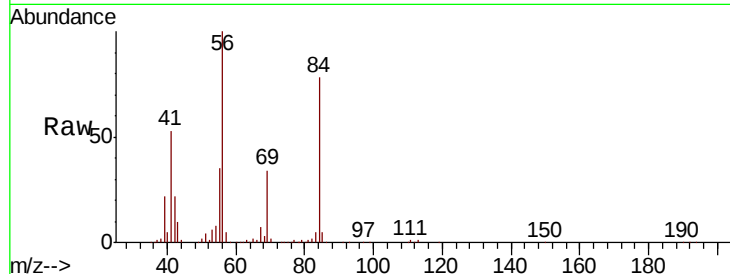
#31
Cyclohexane
Concen: 49.094 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	25.4	38.2
84	76.7	71.4	107.2

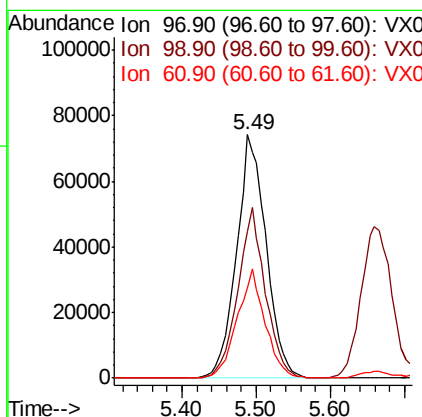
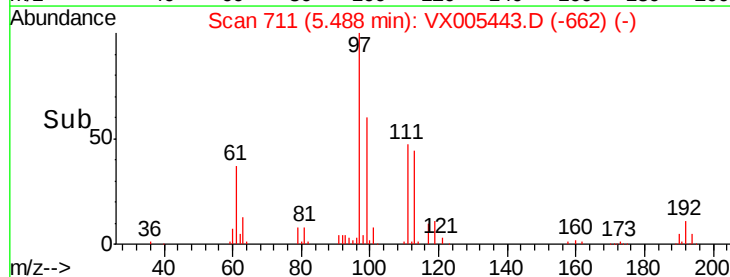
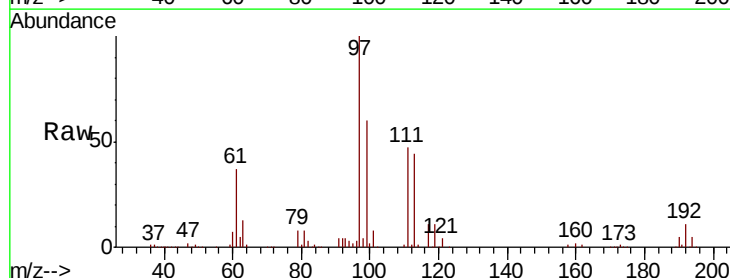
Manual Integrations
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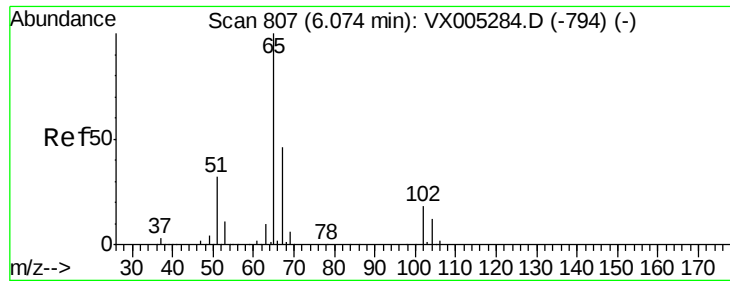
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#32
1,1,1-Trichloroethane
Concen: 49.809 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	42.5	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 47.468 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 146083

Ion Ratio Lower Upper

65 100

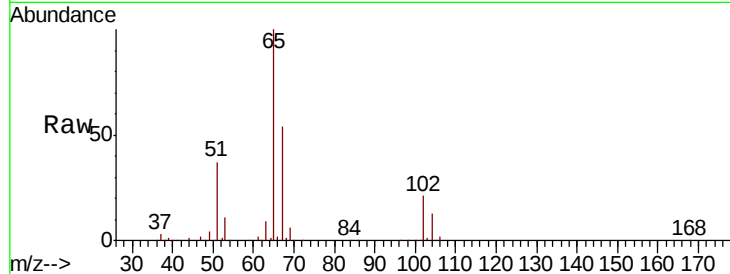
67 54.4 0.0 106.8

Manual Integrations

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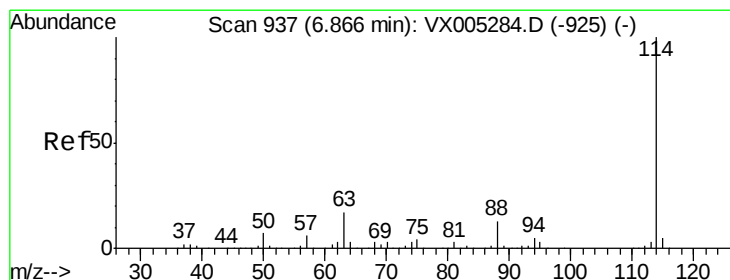
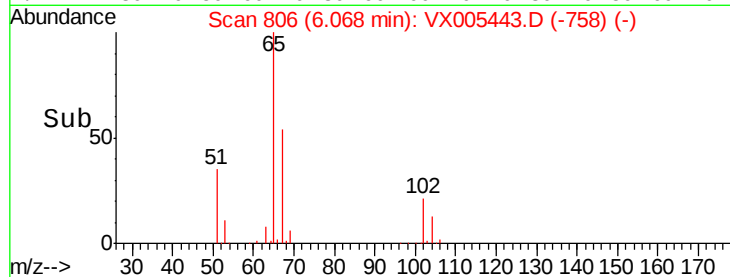
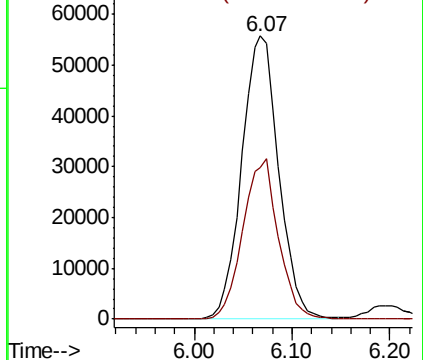
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

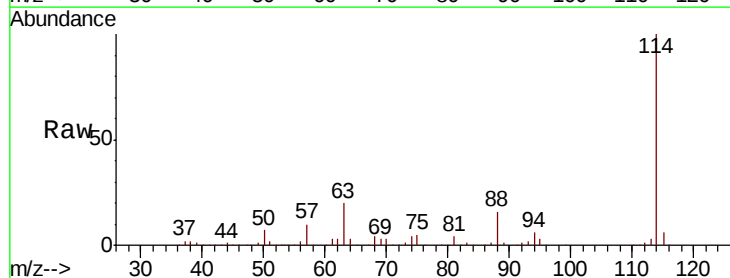
Tgt Ion: 114 Resp: 386063

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

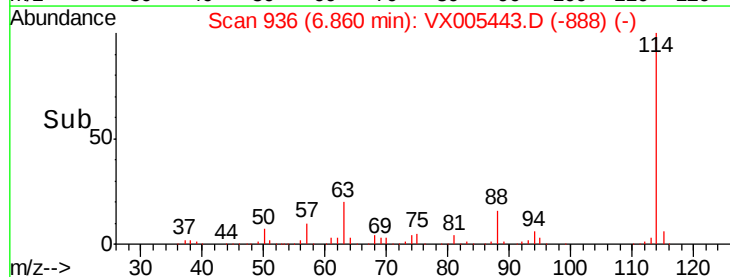
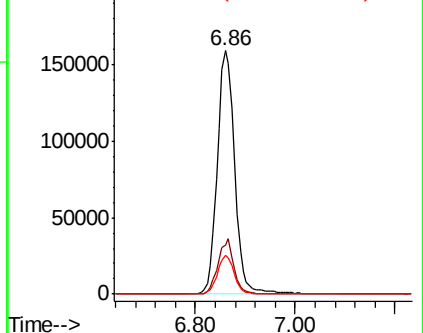
88 16.0 0.0 30.4

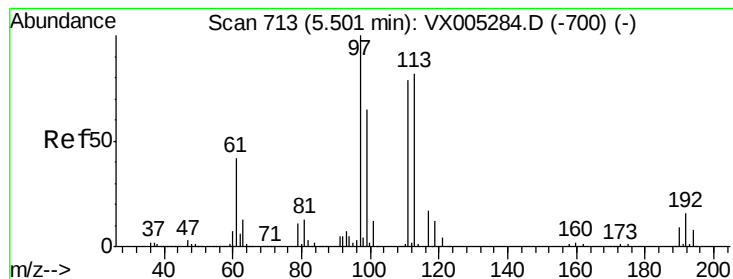


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.541 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

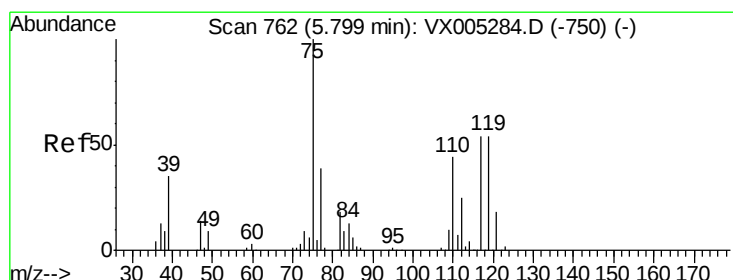
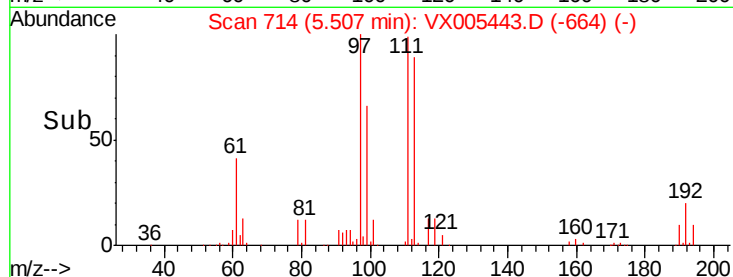
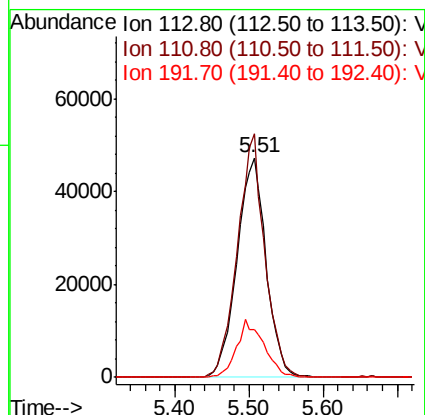
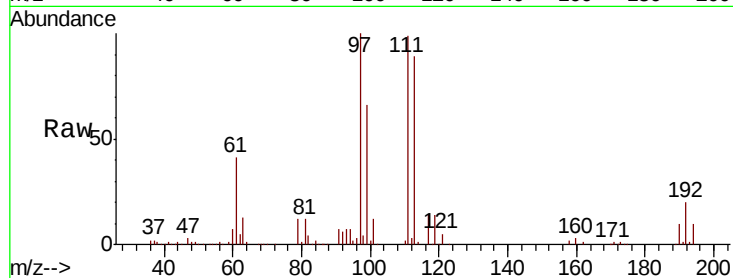
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	129232
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.4	123.6
192	24.6	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.988 ug/l

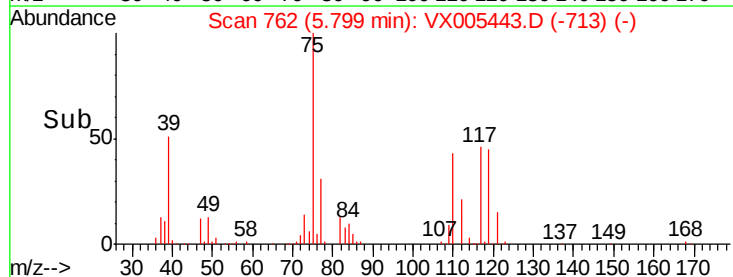
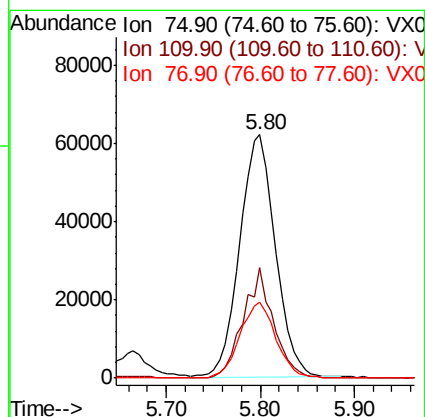
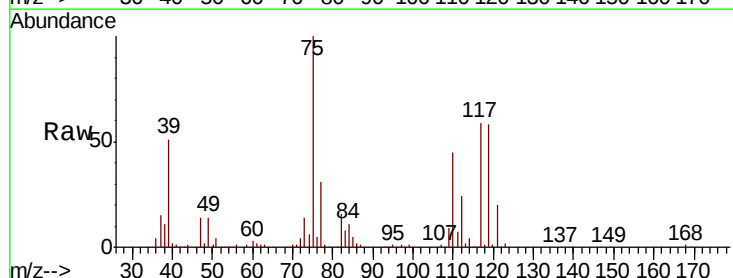
RT: 5.80 min Scan# 762

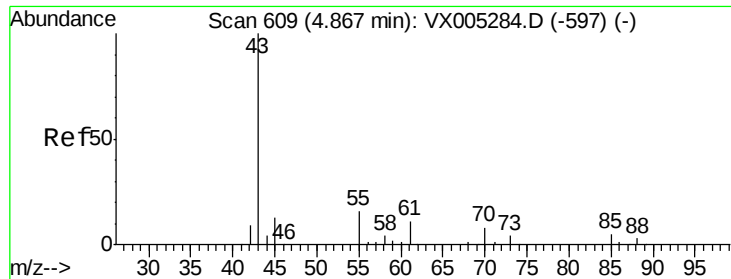
Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:	75	Resp:	164470
Ion Ratio	Lower	Upper	
75	100		
110	38.5	18.0	54.0
77	31.3	24.6	36.8





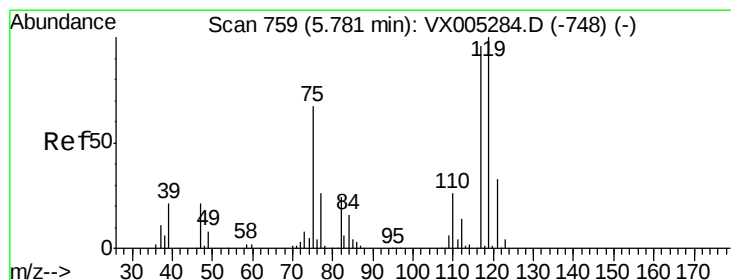
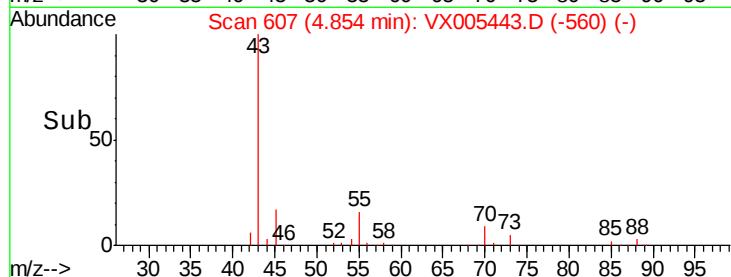
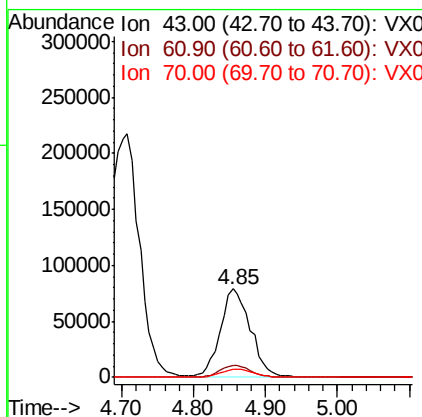
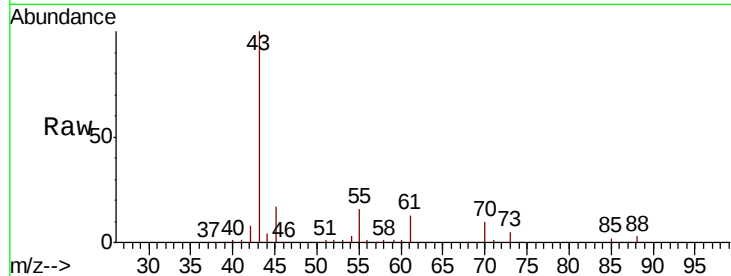
#37
Ethyl Acetate
Concen: 47.700 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	9.8	9.0	13.6

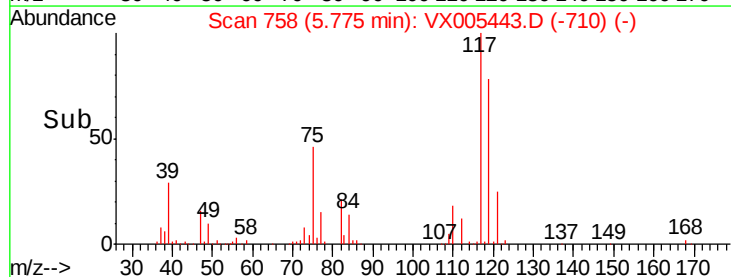
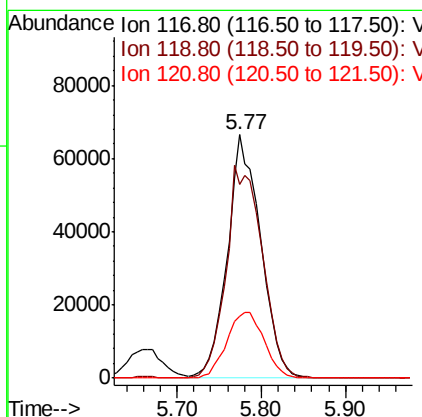
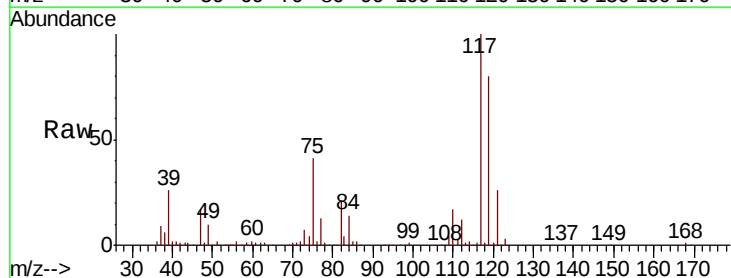
Manual Integrations
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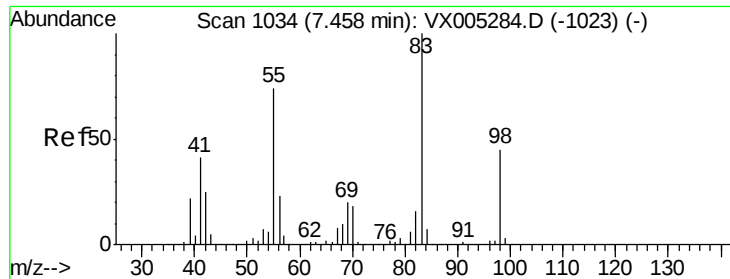
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.428 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.7	78.8	118.2
121	25.6	24.9	37.3





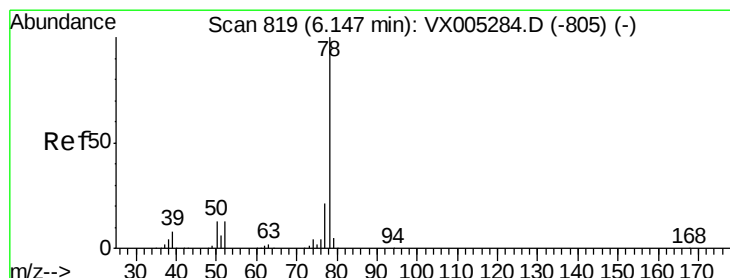
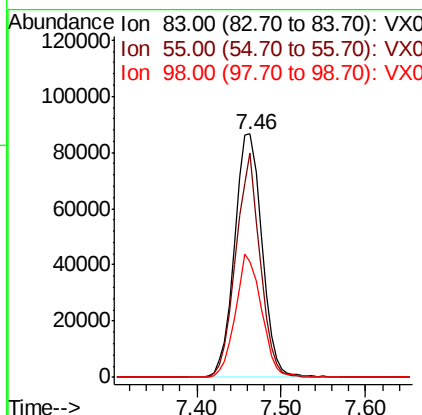
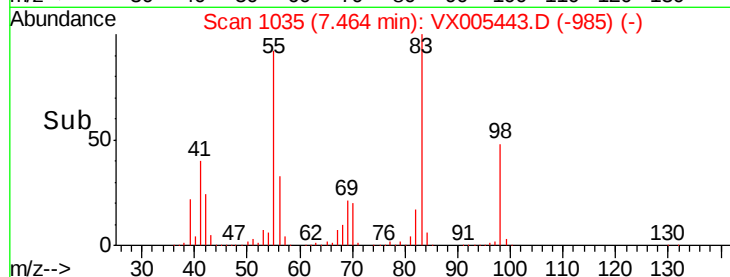
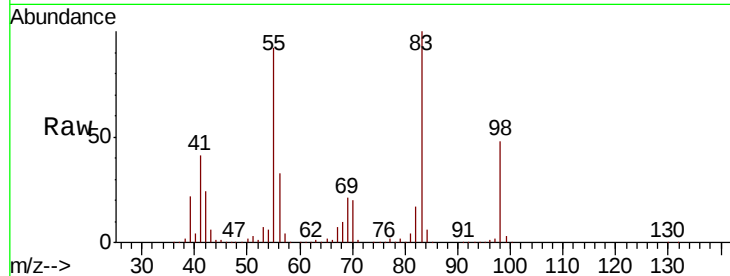
#39
Methvlcvclohexane
Concen: 47.177 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190909		
55	92.3	61.0	91.4#	
98	47.7	39.6	59.4	

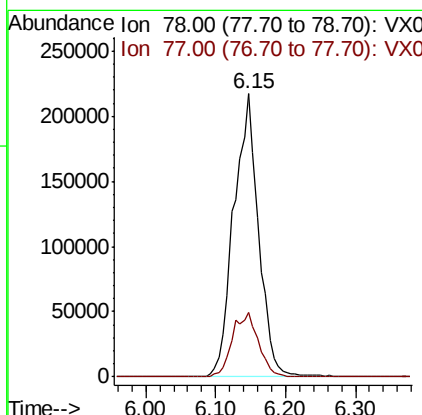
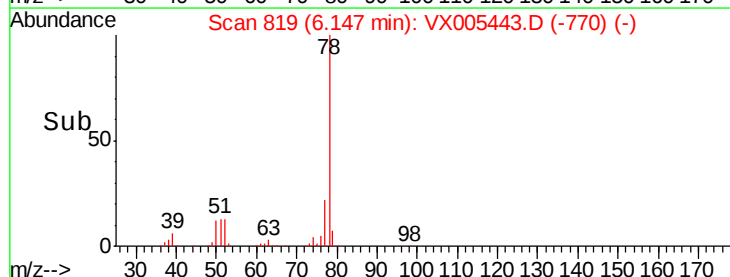
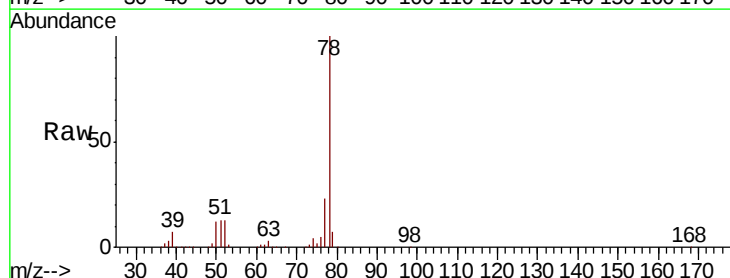
Manual Integrations
APPROVED

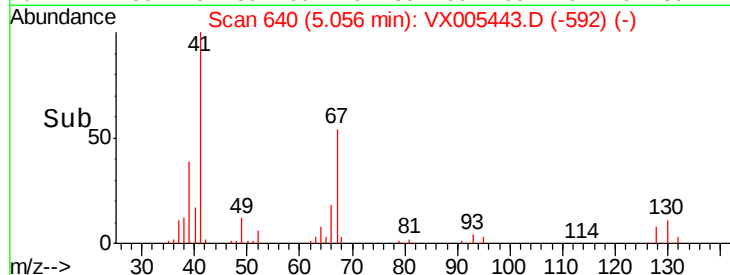
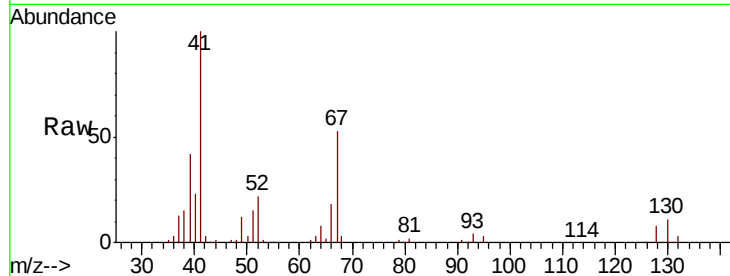
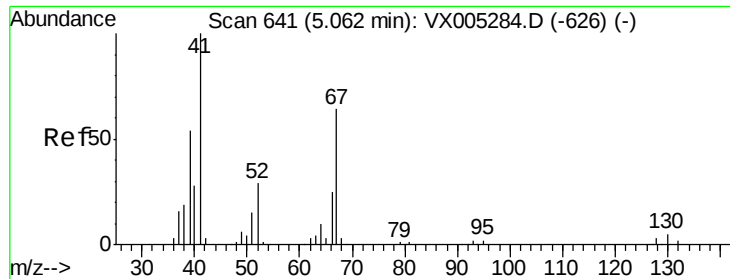
MMDadoda
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#40
Benzene
Concen: 47.686 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	534853		
77	22.6	19.0	28.4	





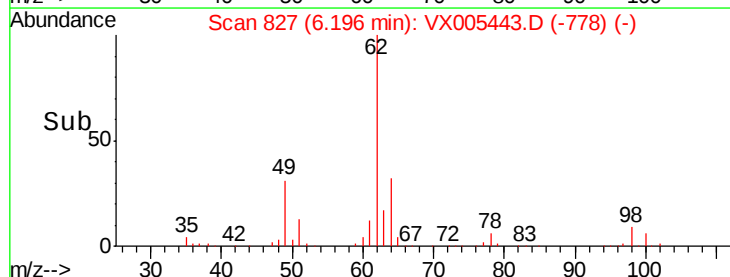
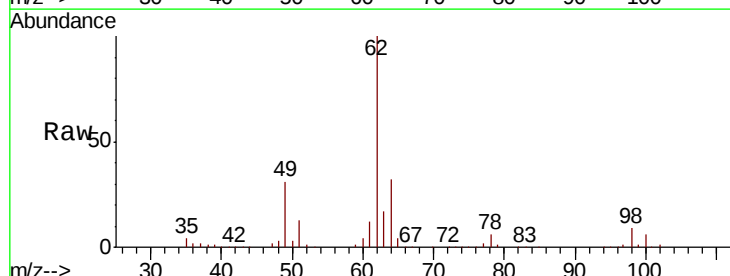
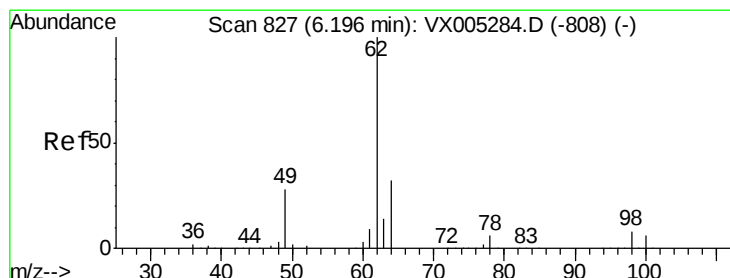
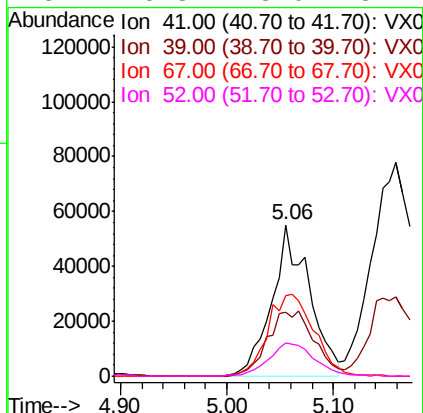
#41
Methacrylonitrile
Concen: 52.087 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.4	63.6	
67	67.5	59.2	88.8	
52	26.3	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

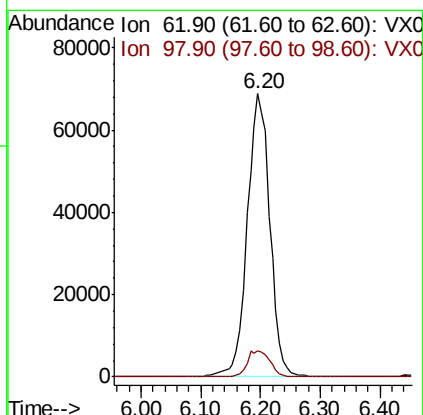
Manual Integrations
APPROVED

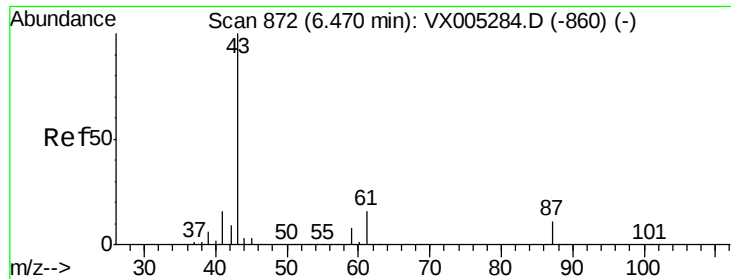
MMDadoda
10/19/2018 1:51:31 PM



#42
1,2-Dichloroethane
Concen: 45.834 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	20.6	





#43

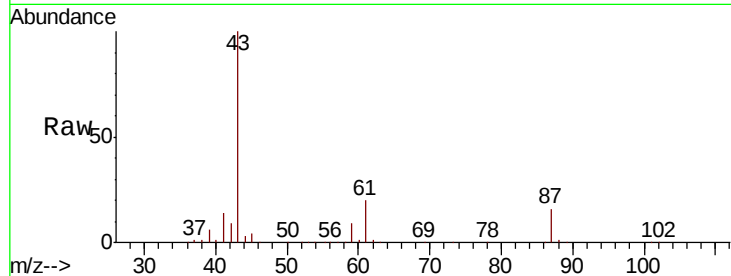
Isopropyl Acetate
 Concen: 52.803 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

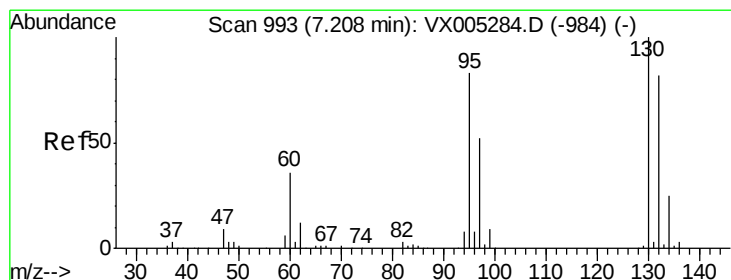
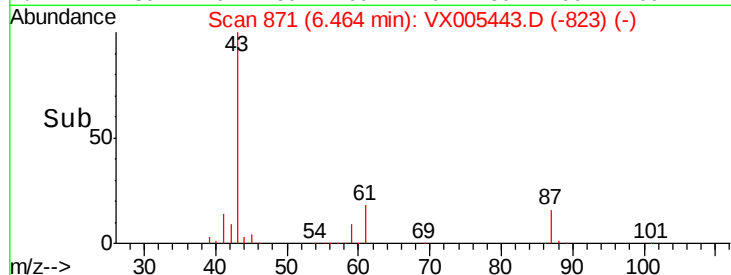
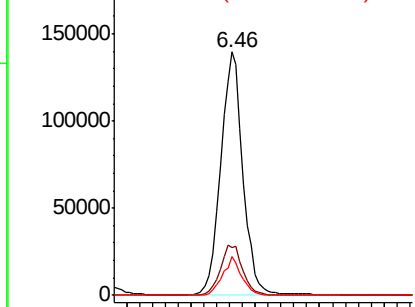
Tot Ion	43	Resp	338216
Ion Ratio	Lower	Upper	
43	100		
61	20.7	17.0	25.4
87	13.6	11.4	17.2

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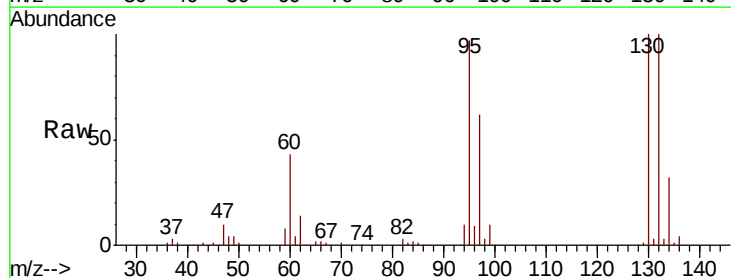
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



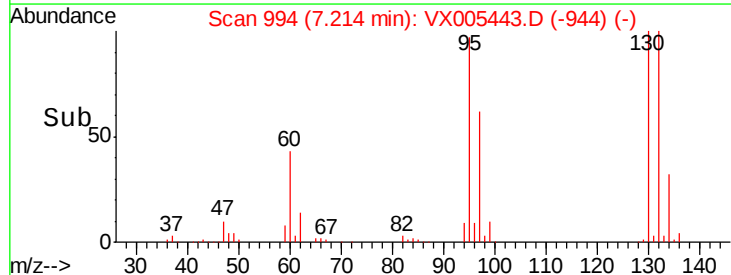
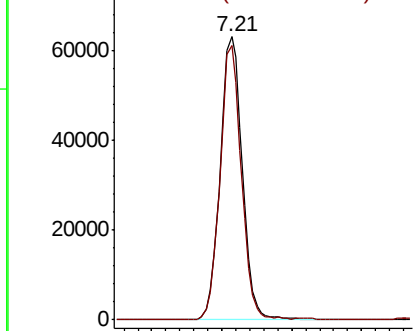
#44

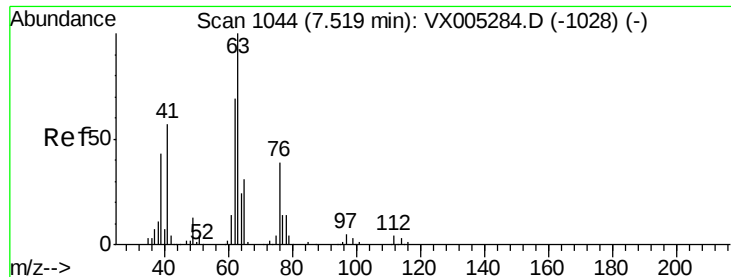
Trichloroethene
 Concen: 48.421 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	130	Resp	138727
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	181.6



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





#45

1,2-Dichloropropane

Concen: 48.934 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 134633

Ion Ratio Lower Upper

63 100

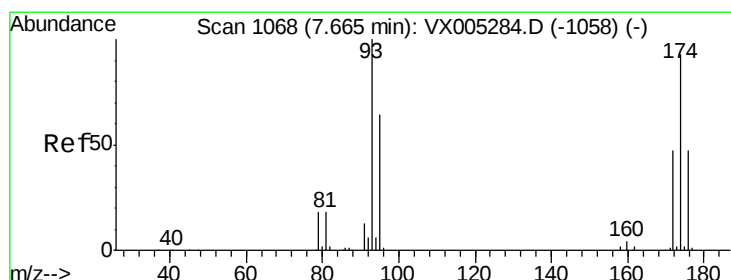
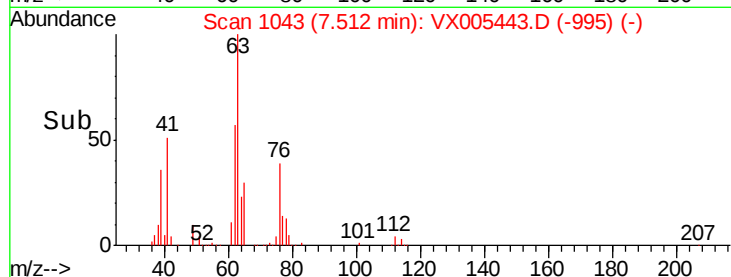
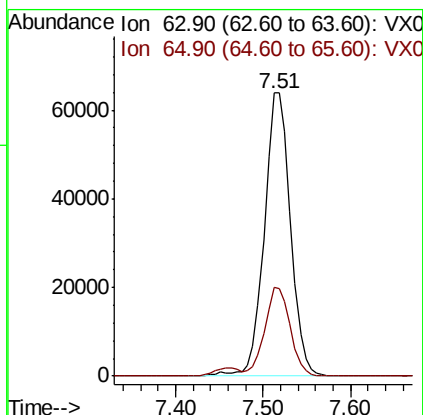
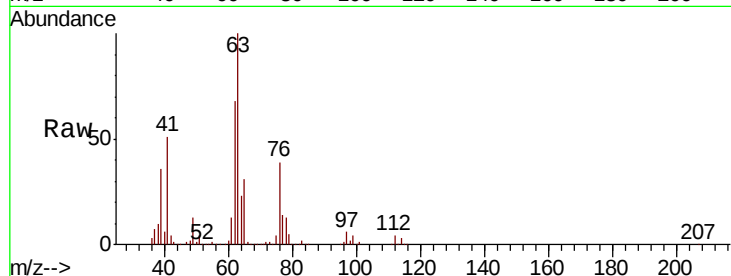
65 31.3 24.3 36.5

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#46

Dibromomethane

Concen: 47.193 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

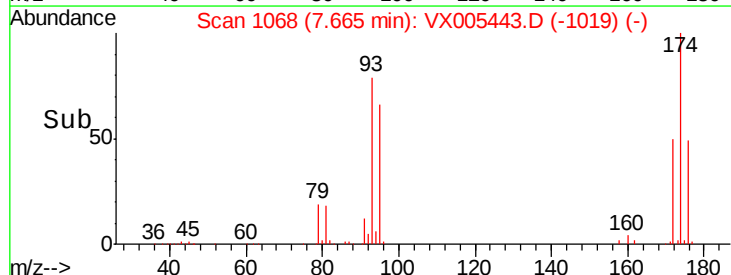
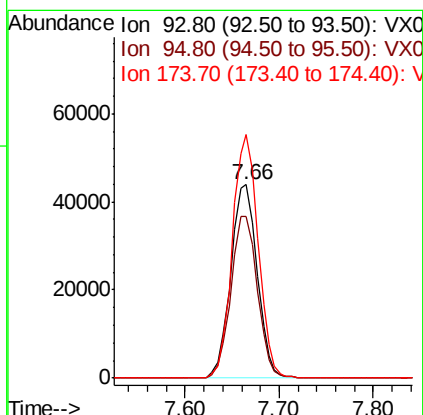
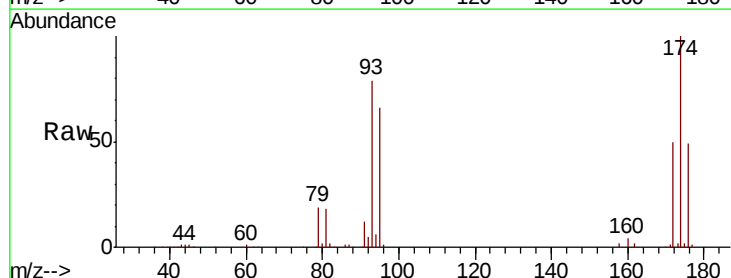
Tgt Ion: 93 Resp: 85697

Ion Ratio Lower Upper

93 100

95 84.0 65.5 98.3

174 122.7 94.2 141.4





#47

Bromodichloromethane

Concen: 49.533 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

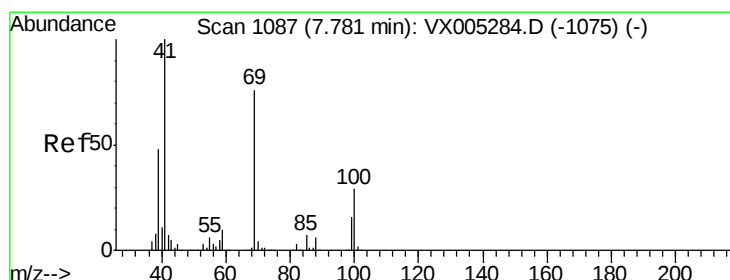
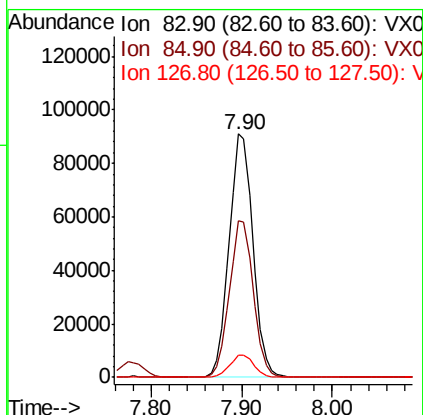
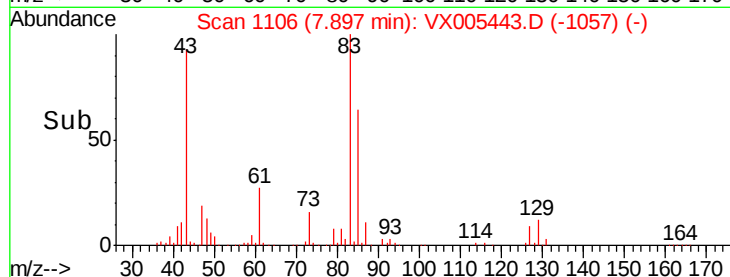
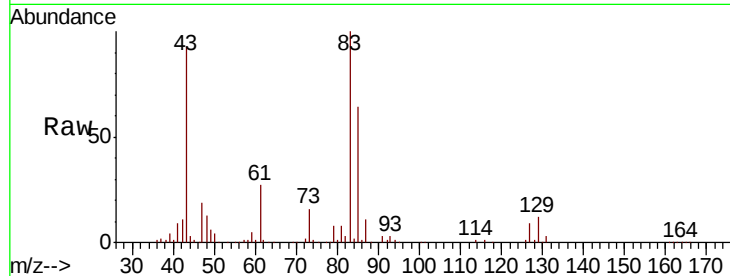
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	166377
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.9	76.3
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.187 ug/l

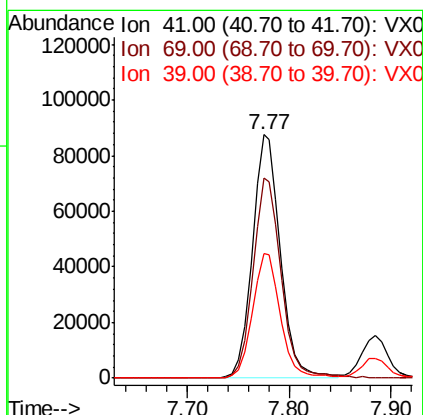
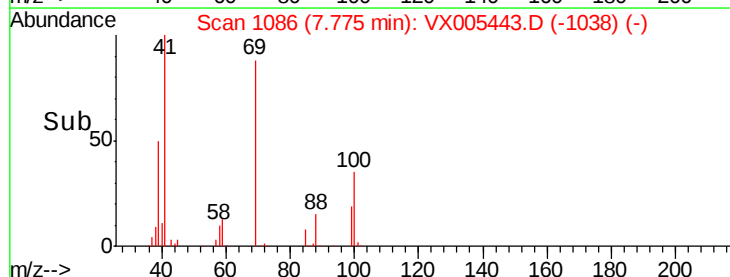
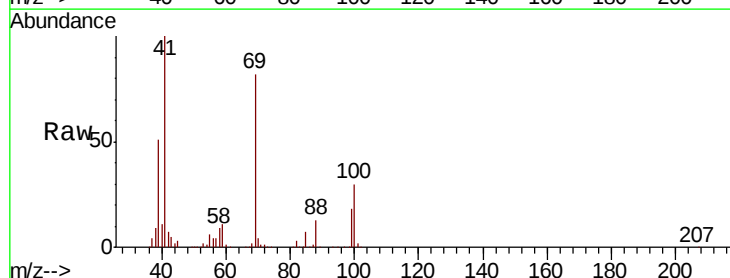
RT: 7.77 min Scan# 1086

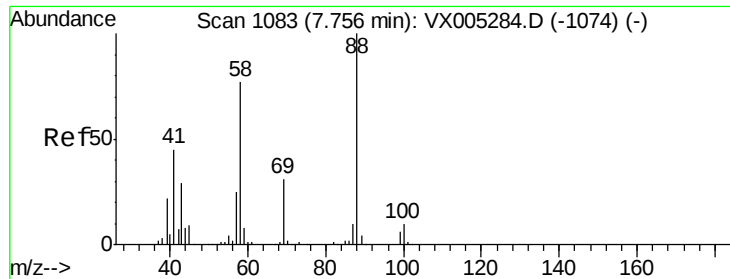
Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:	41	Resp:	166727
Ion Ratio	Lower	Upper	
41	100		
69	82.9	70.2	105.4
39	51.1	42.7	64.1





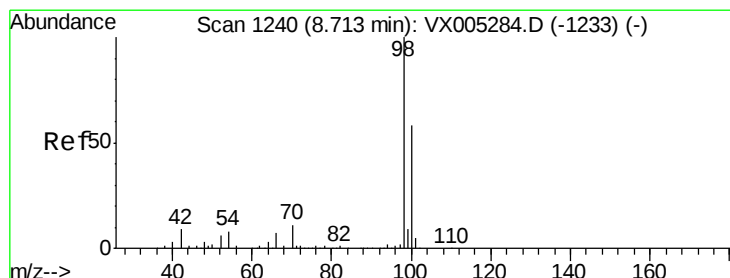
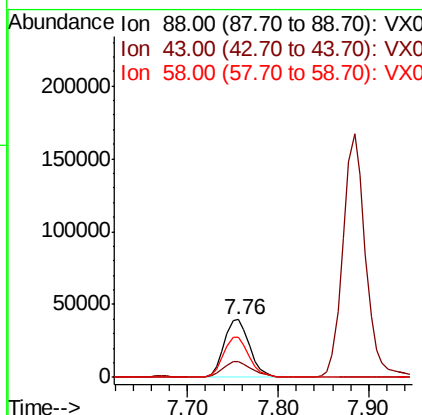
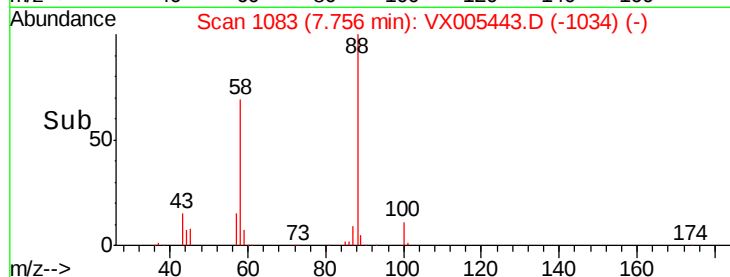
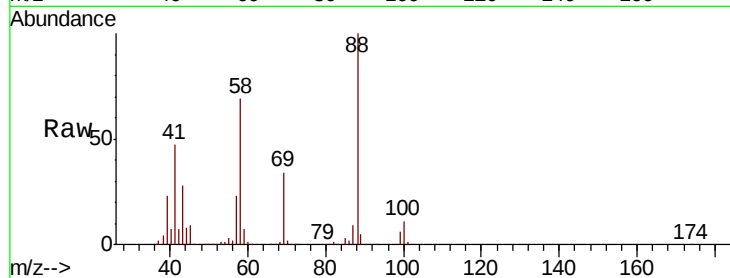
#49
1,4-Dioxane
Concen: 1016.015 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.7	37.1
58	70.4	55.3	82.9

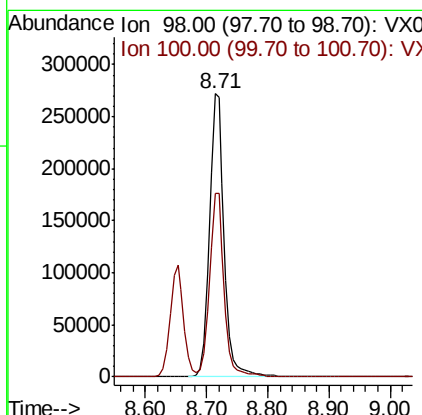
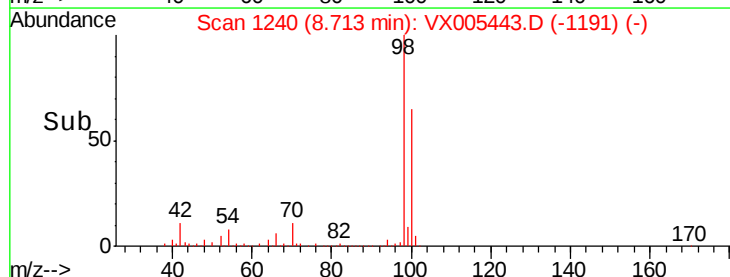
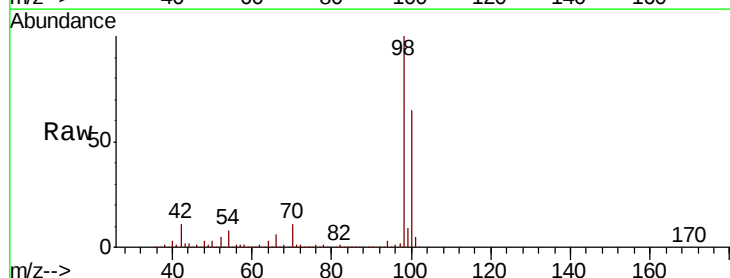
Manual Integrations
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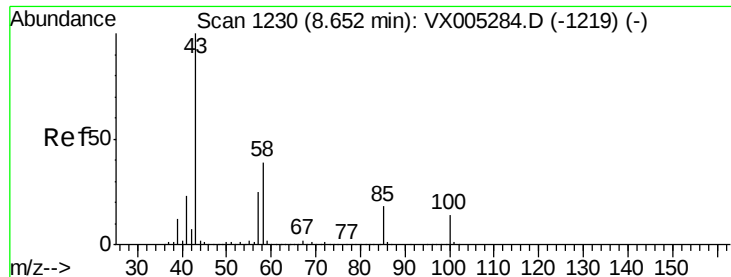
MMDadoda
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#50
Toluene-d8
Concen: 52.472 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 258.153 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1144942

Ion Ratio Lower Upper

43 100

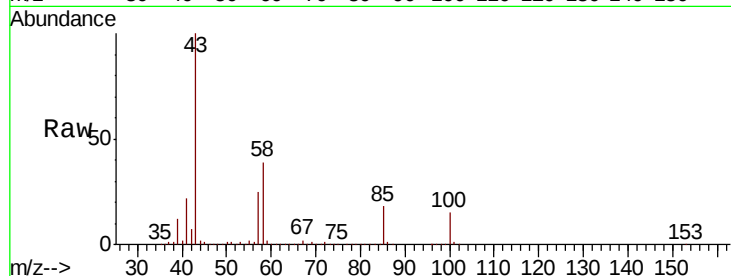
58 39.4 33.1 49.7

Manual Integrations

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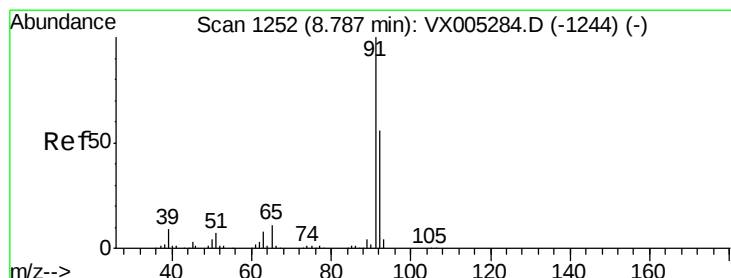
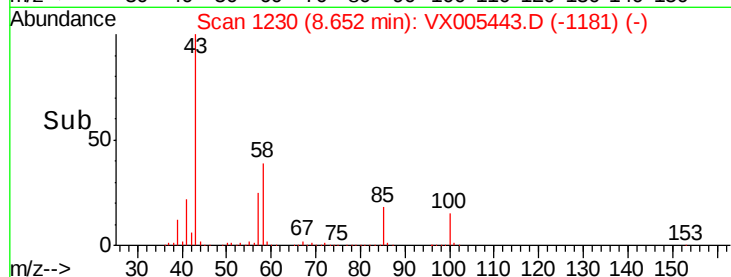
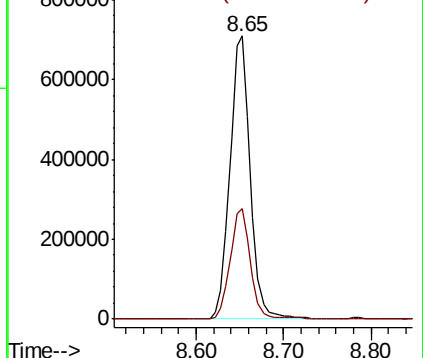
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.990 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005443.D

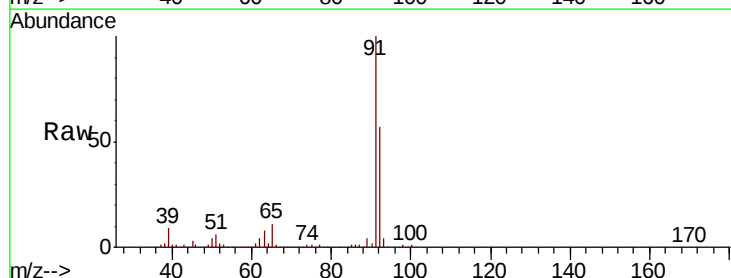
Acq: 18 Oct 2018 21:04

Tgt Ion: 92 Resp: 312888

Ion Ratio Lower Upper

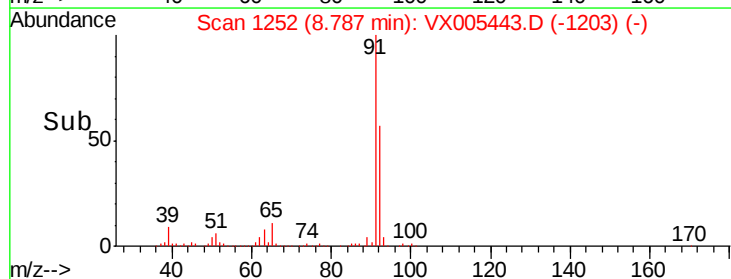
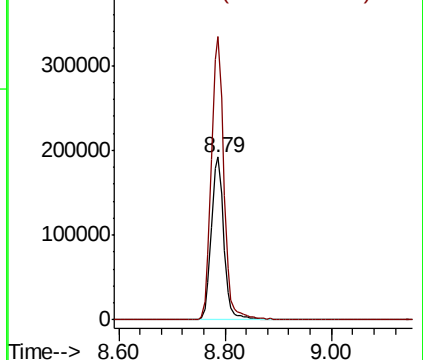
92 100

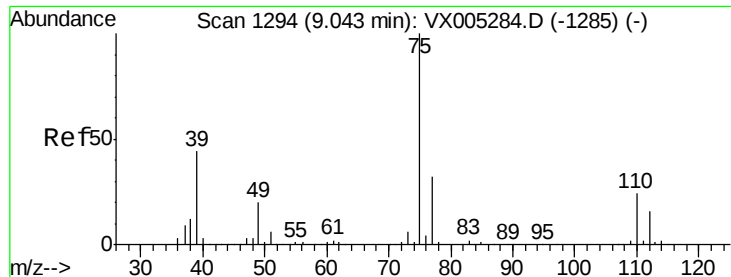
91 174.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





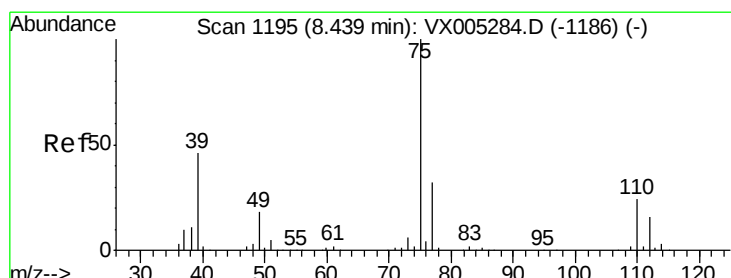
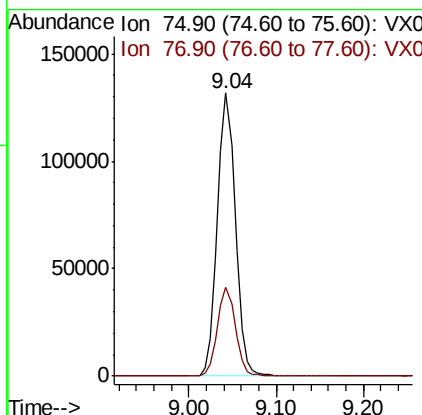
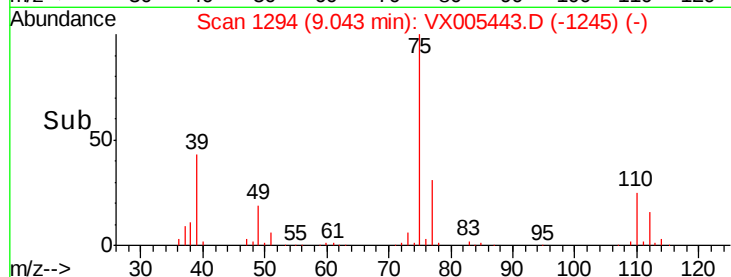
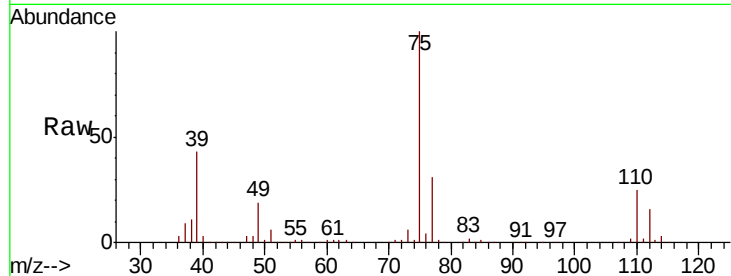
#53
t-1,3-Dichloropropene
Concen: 51.865 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 188531
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

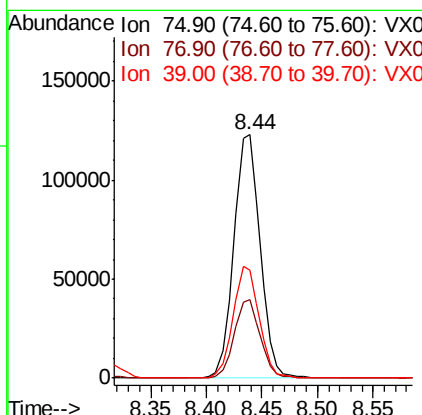
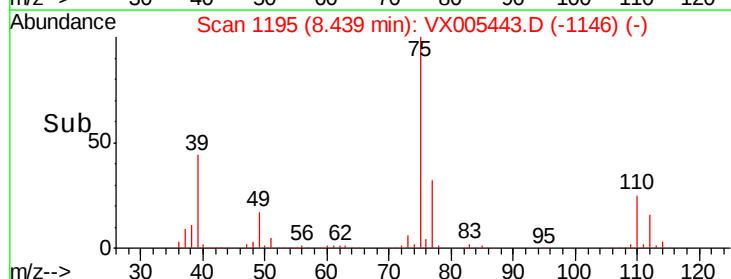
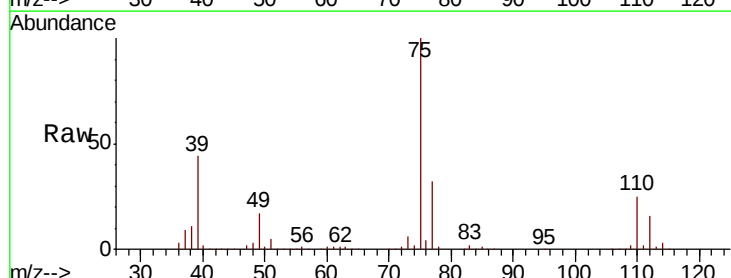
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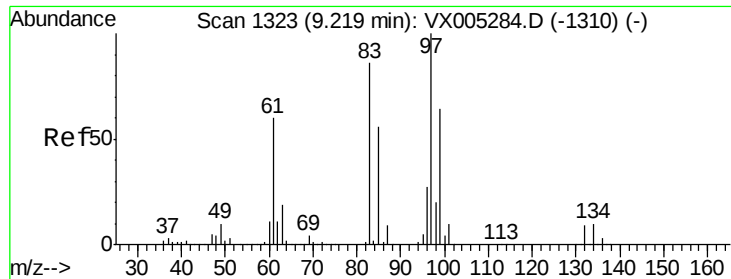
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#54
cis-1,3-Dichloropropene
Concen: 51.157 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 75 Resp: 201490
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
39 44.1 36.4 54.6





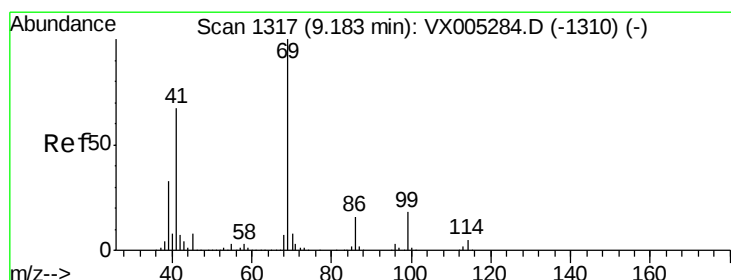
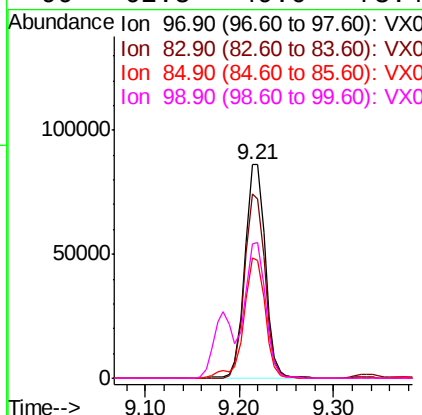
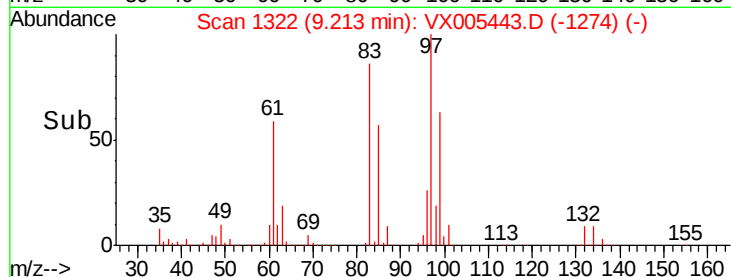
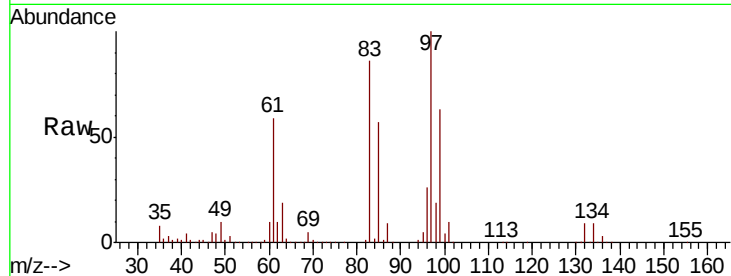
#55
 1,1,2-Trichloroethane
 Concen: 50.694 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	131758
Ion Ratio	Lower	Upper	
97	100		
83	86.2	66.4	99.6
85	56.6	43.3	64.9
99	62.8	49.0	73.4

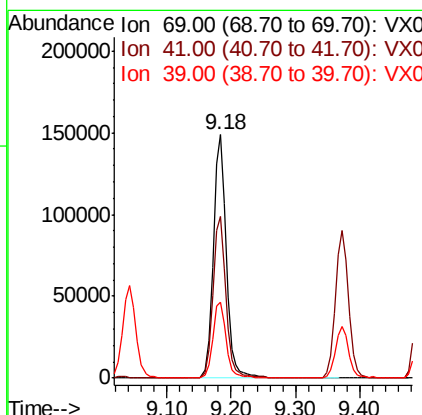
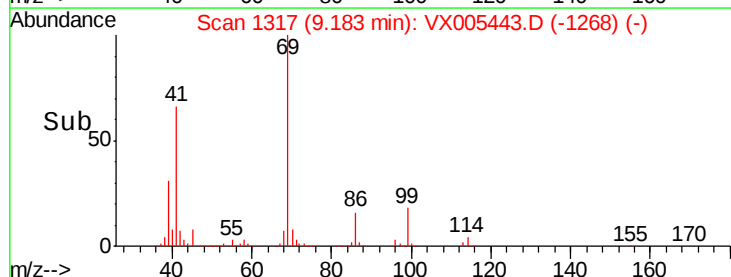
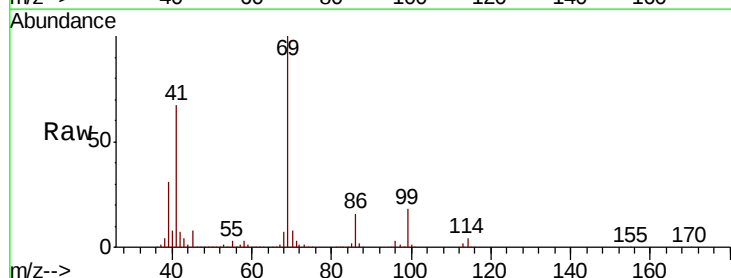
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#56
 Ethyl methacrylate
 Concen: 55.616 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	69	Resp	210726
Ion Ratio	Lower	Upper	
69	100		
41	66.8	51.0	76.4
39	32.2	26.1	39.1





#57

1,3-Dichloropropane

Concen: 50.846 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 220574

Ion Ratio Lower Upper

76 100

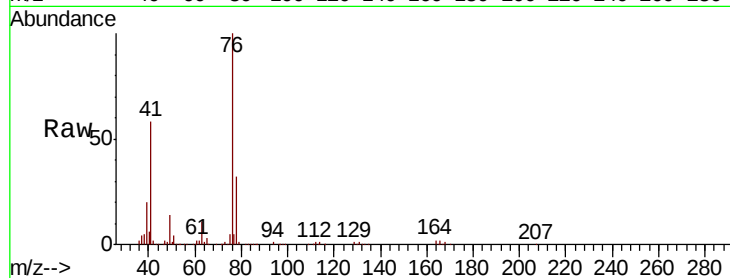
78 31.9 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

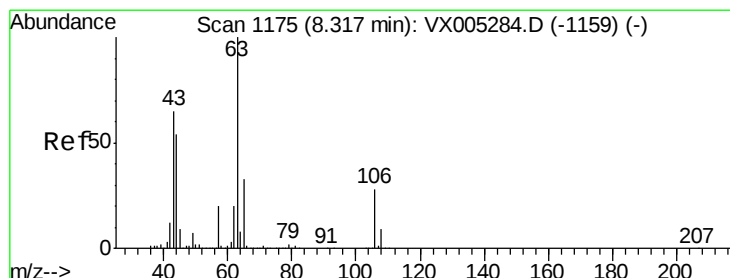
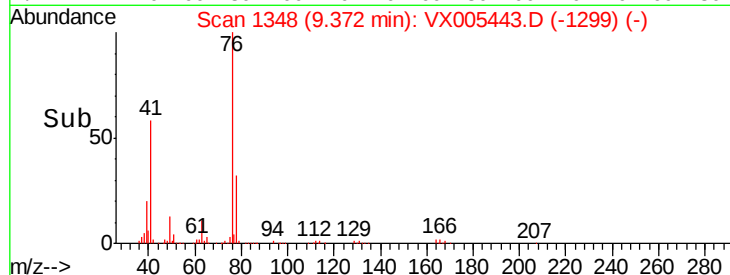
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 269.521 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005443.D

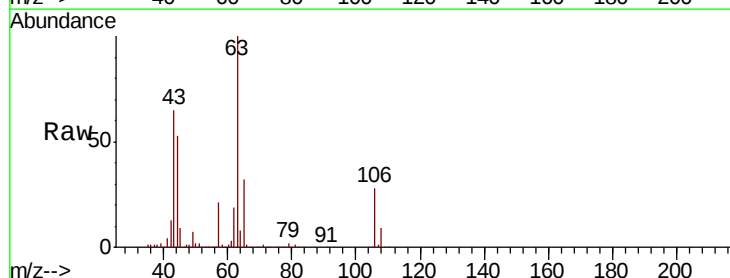
Acq: 18 Oct 2018 21:04

Tgt Ion: 63 Resp: 572705

Ion Ratio Lower Upper

63 100

106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

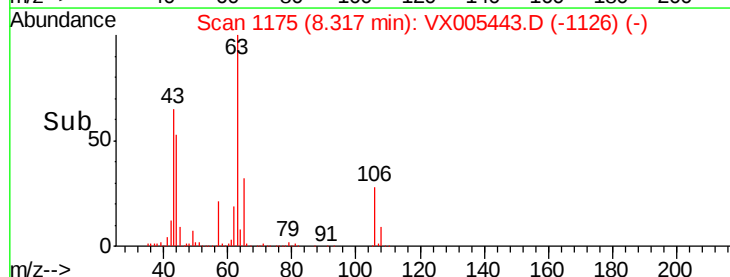
300000

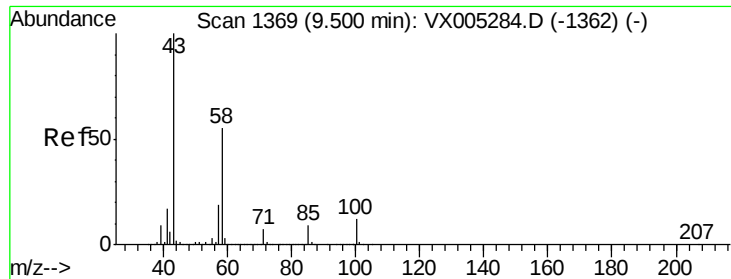
200000

100000

0

Time-->





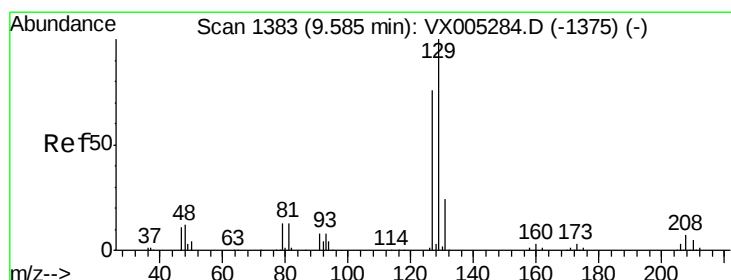
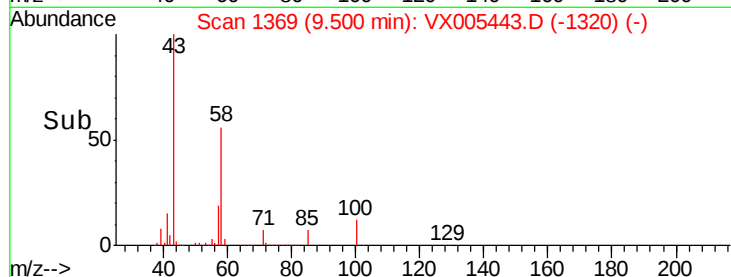
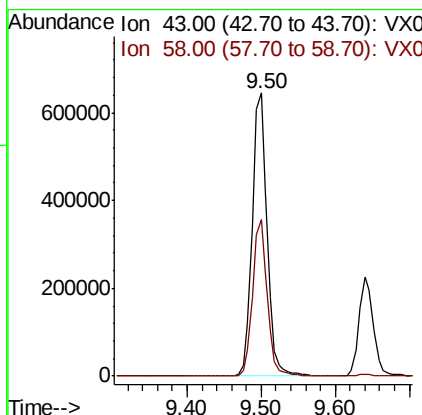
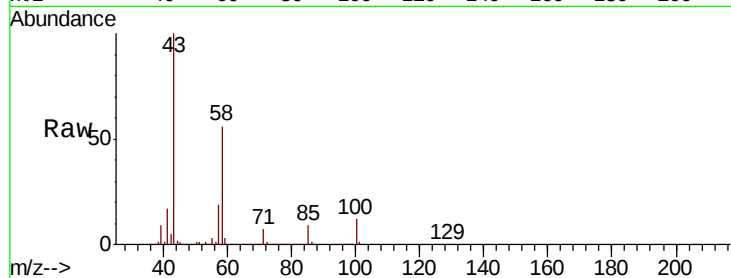
#59
2-Hexanone
Concen: 254.888 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 909345
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0

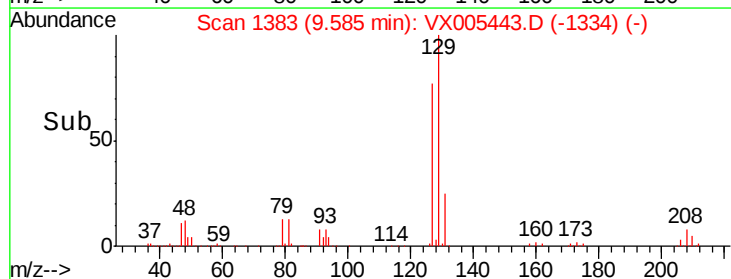
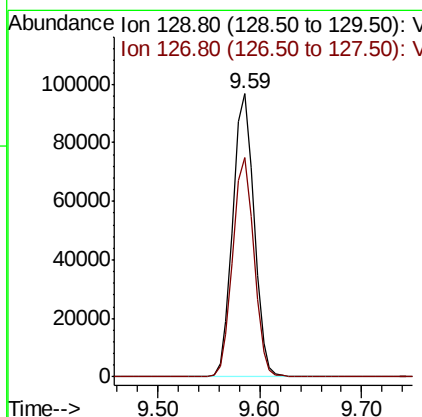
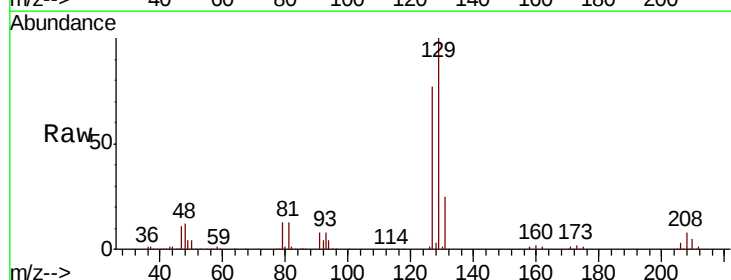
Manual Integrations
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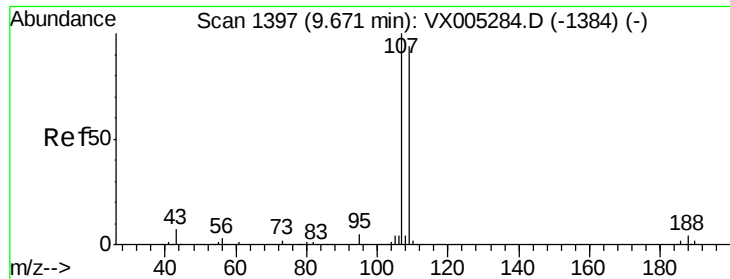
MMDadoda
10/19/2018 1:51:31 PM



#60
Dibromochloromethane
Concen: 51.821 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 129 Resp: 139220
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.367 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 137384

Ion Ratio Lower Upper

107 100

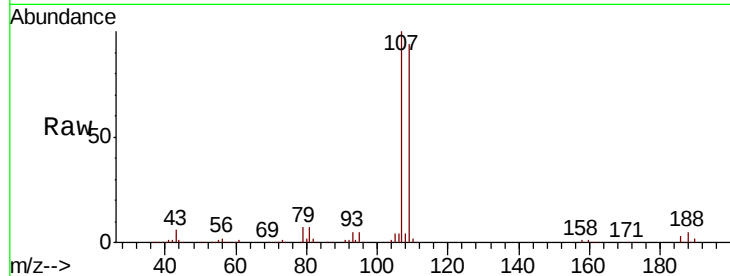
109 93.5 76.0 114.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

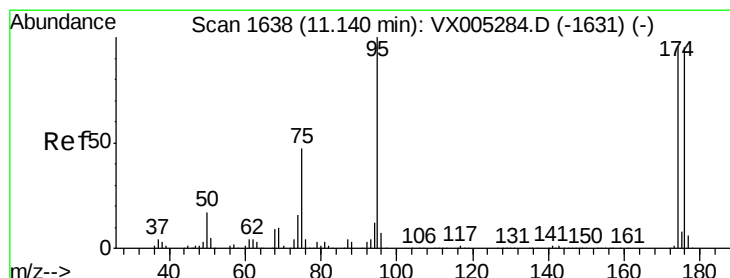
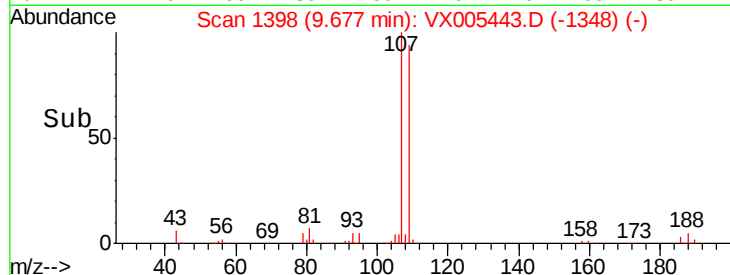
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.867 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

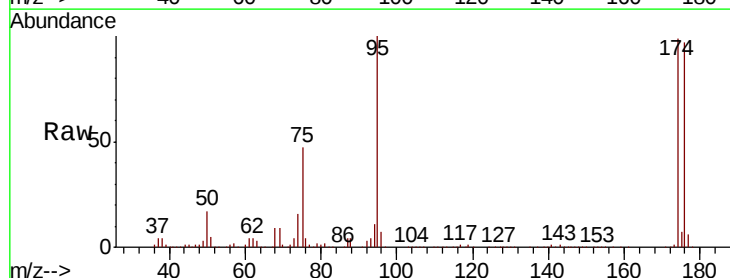
Tgt Ion: 95 Resp: 174339

Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.2

176 92.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

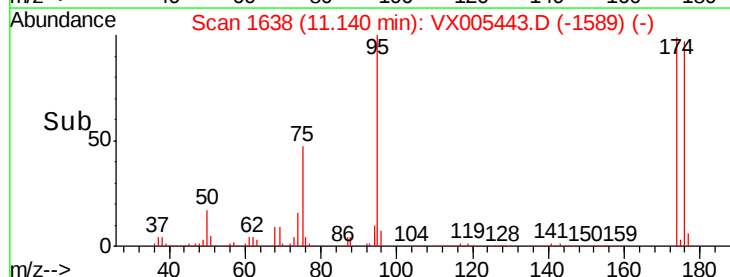
150000

100000

50000

0

Time-->





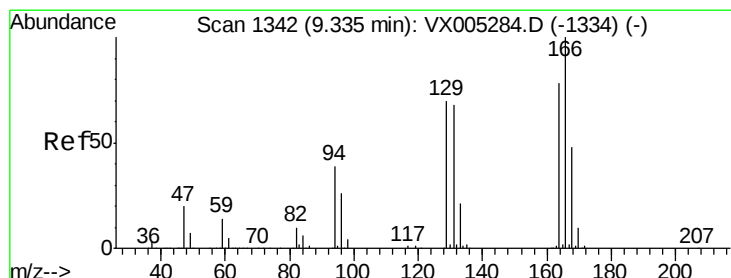
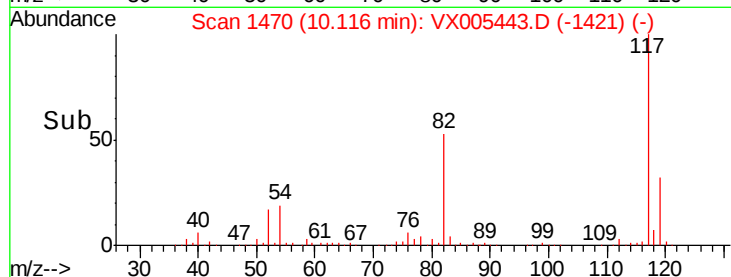
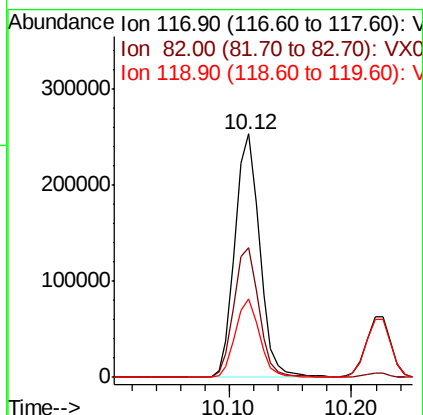
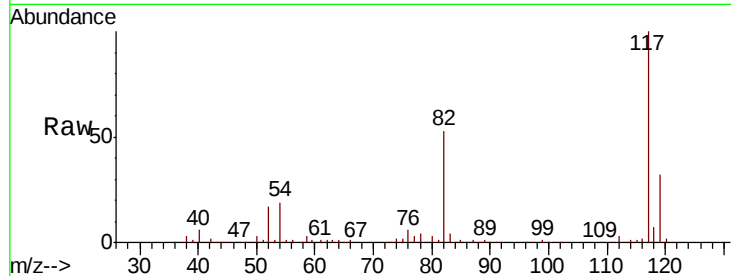
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	47.8	71.6
119	32.3	29.3	43.9

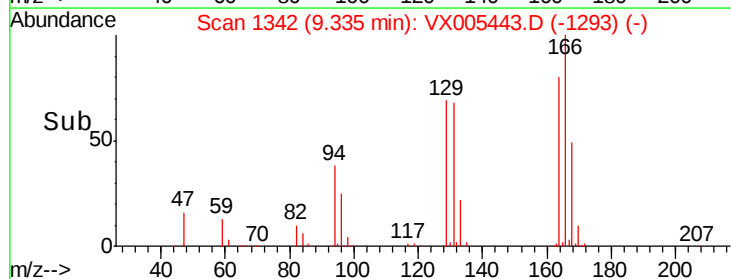
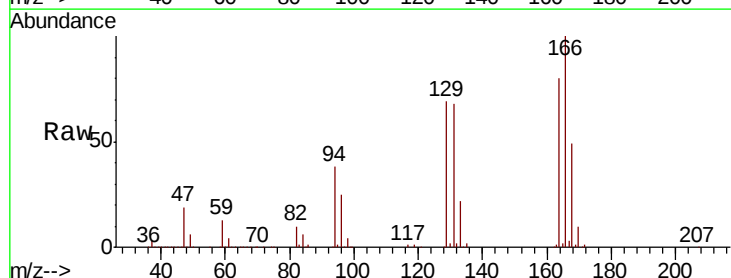
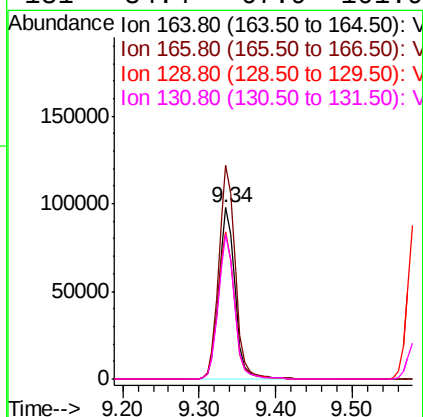
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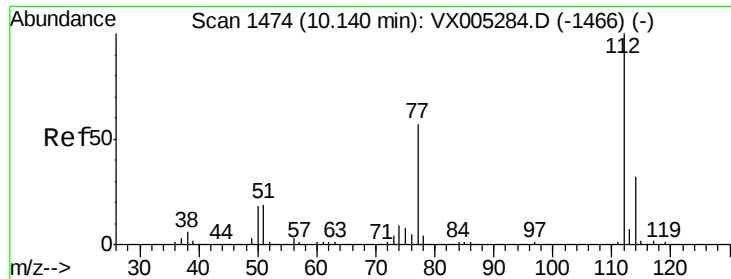
MMDadoda
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#64
Tetrachloroethene
Concen: 50.291 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.8	154.2
129	86.0	69.4	104.0
131	84.4	67.9	101.9





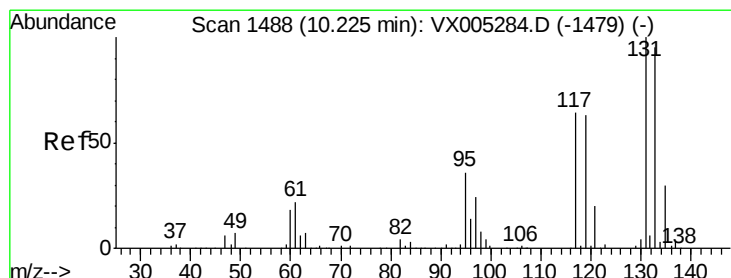
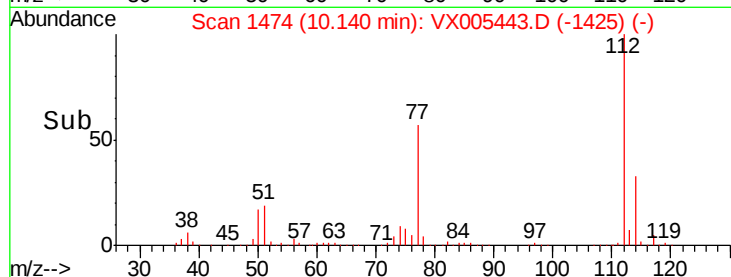
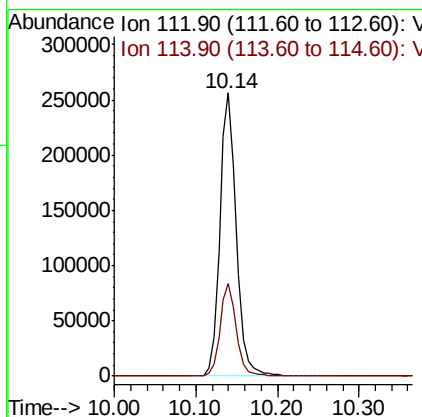
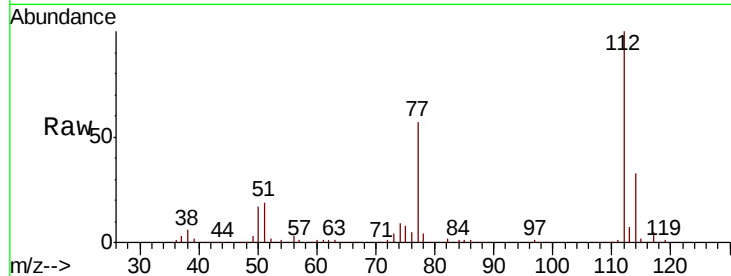
#65
Chlorobenzene
Concen: 47.531 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 358909
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

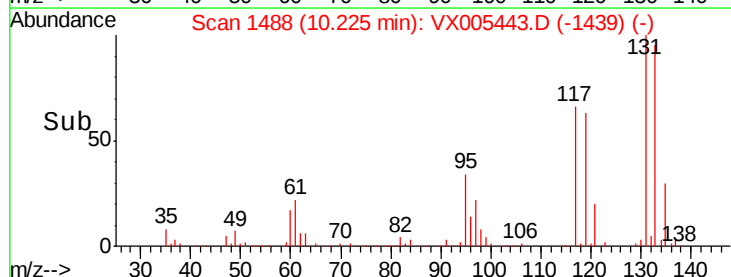
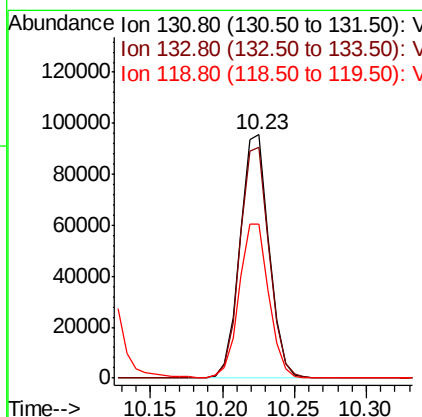
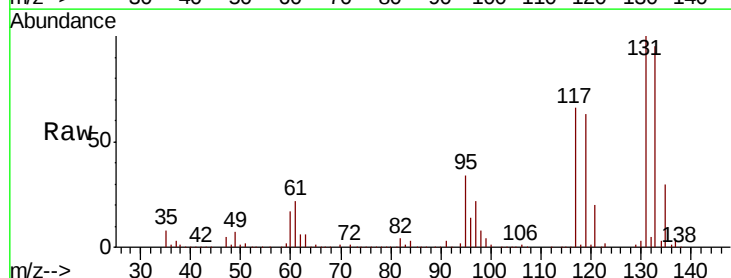
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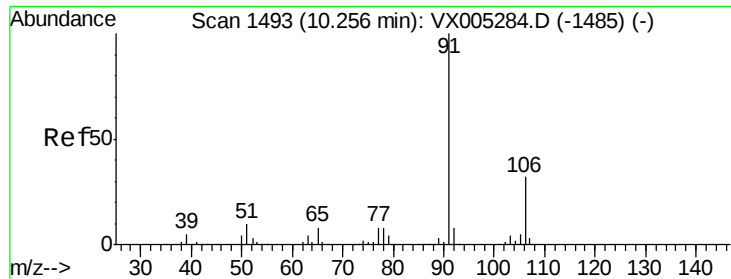
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.362 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion:131 Resp: 132828
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 49.519 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 607866

Ion Ratio Lower Upper

91 100

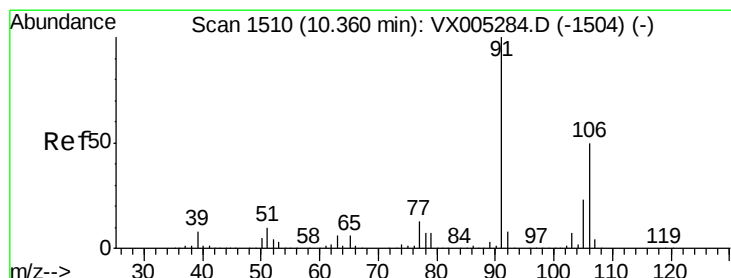
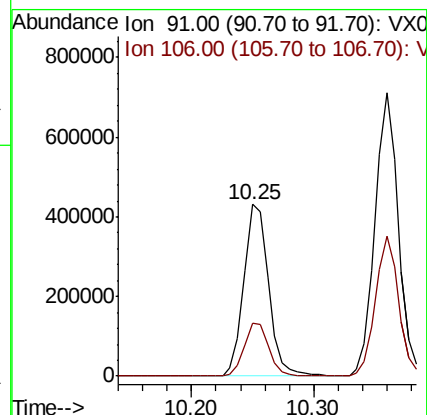
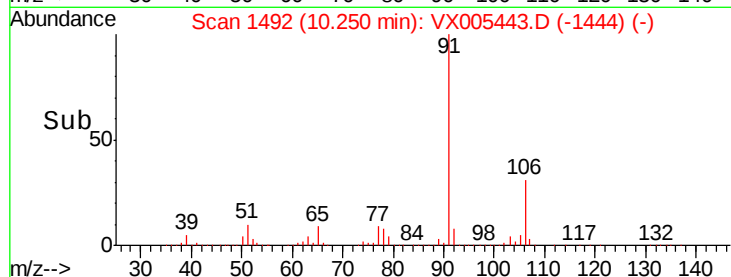
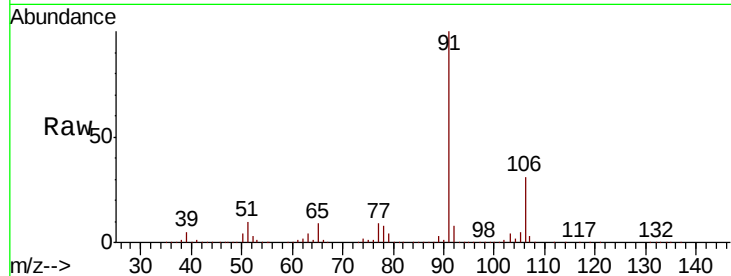
106 31.2 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 99.348 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005443.D

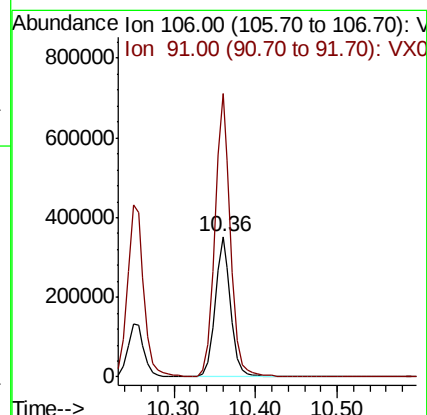
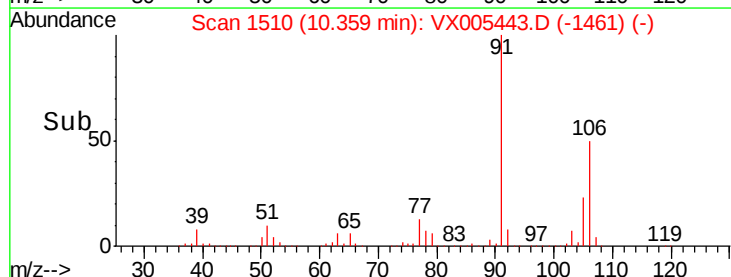
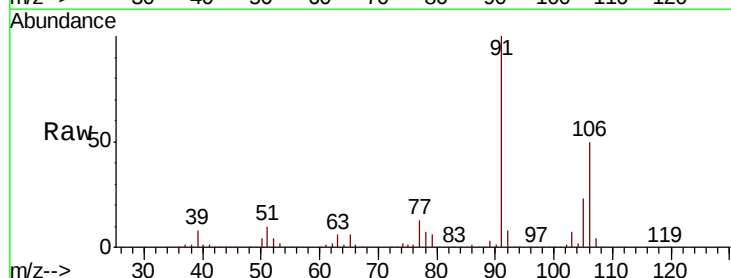
Acq: 18 Oct 2018 21:04

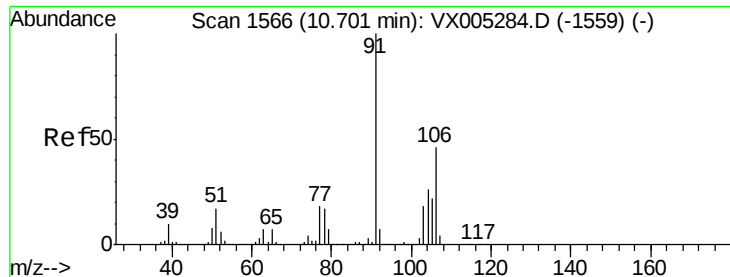
Tgt Ion: 106 Resp: 473351

Ion Ratio Lower Upper

106 100

91 202.5 157.1 235.7





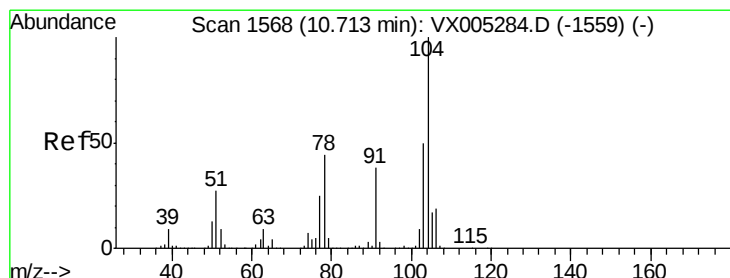
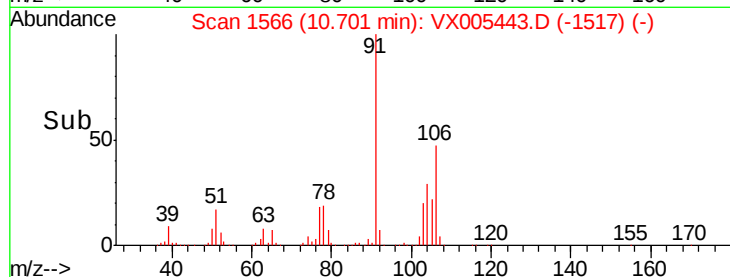
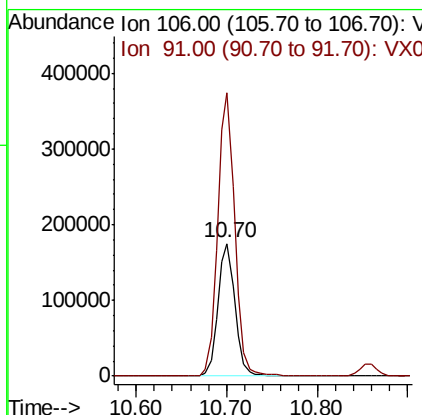
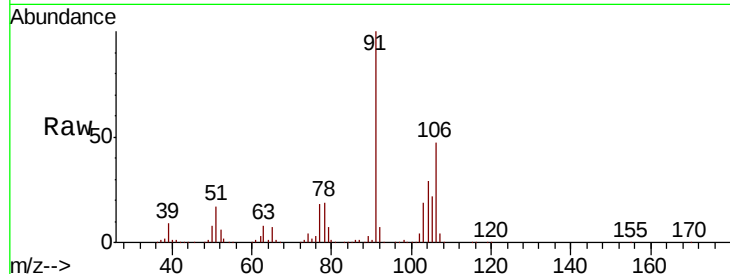
#69
o-Xylene
Concen: 50.018 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	105.1	315.1

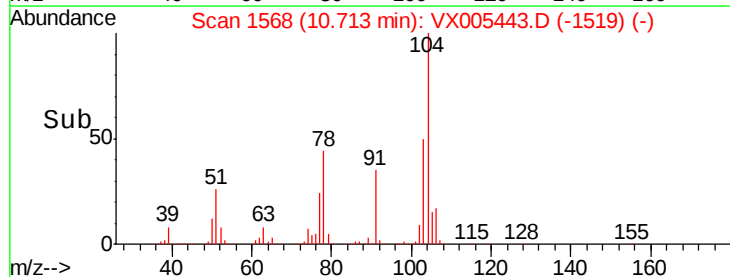
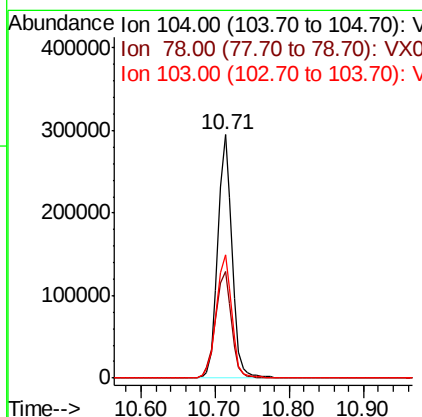
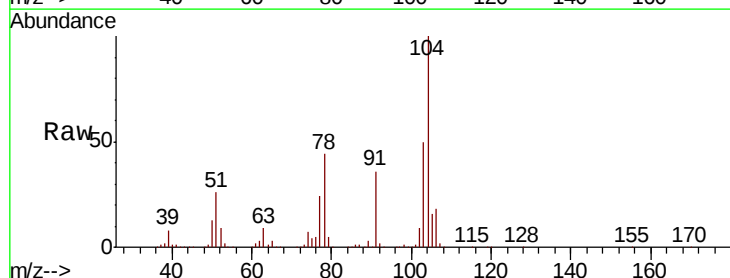
Manual Integrations
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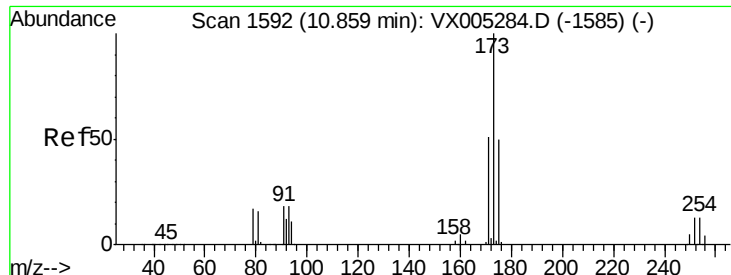
MMDadoda
10/19/2018 1:51:31 PM



#70
Styrene
Concen: 51.196 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	37.4	56.0
103	55.4	43.8	65.6





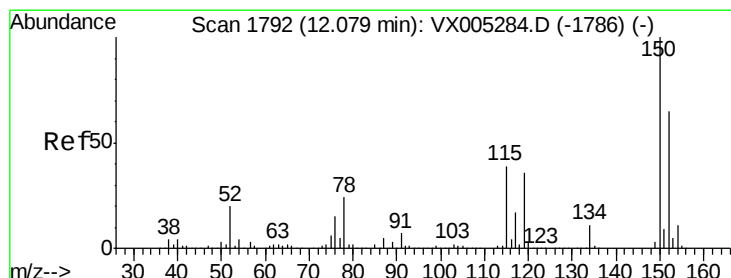
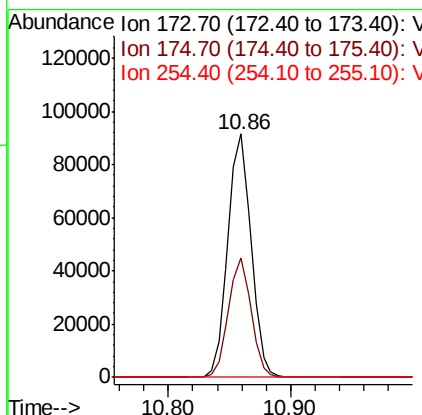
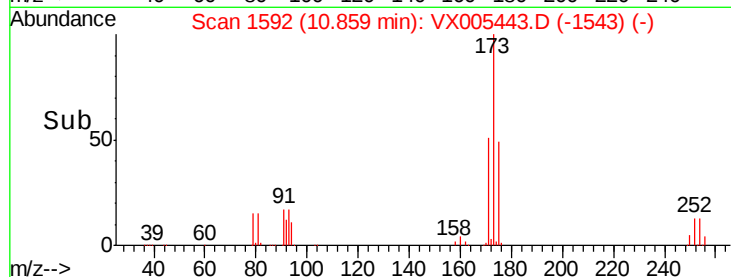
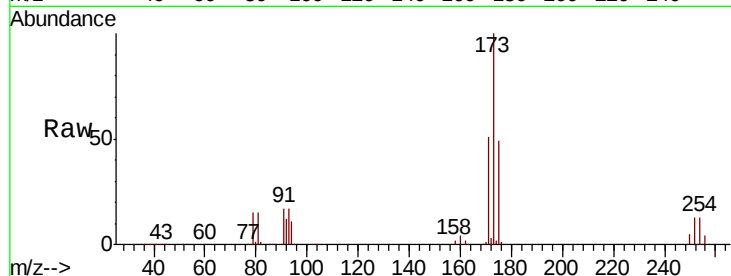
#71
Bromoform
Concen: 49.950 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.3
254	0.2	0.2	0.2

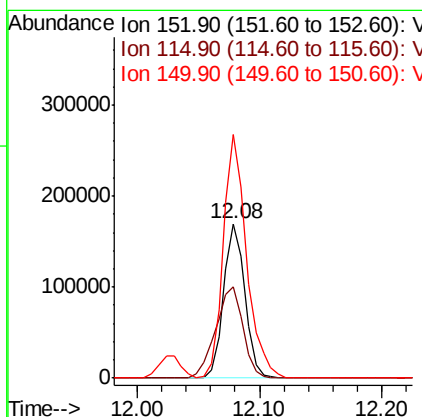
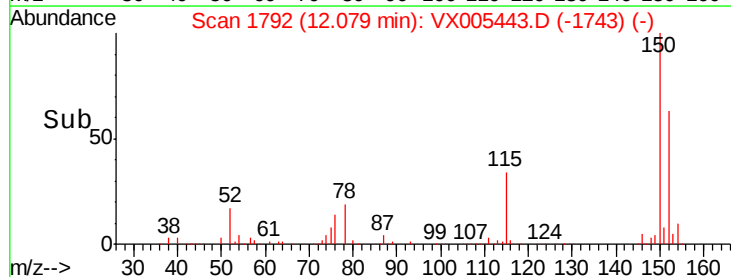
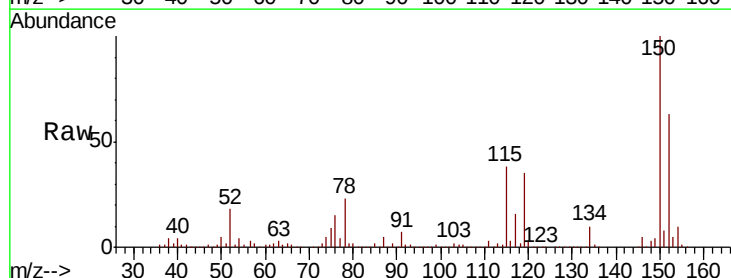
Manual Integrations
APPROVED

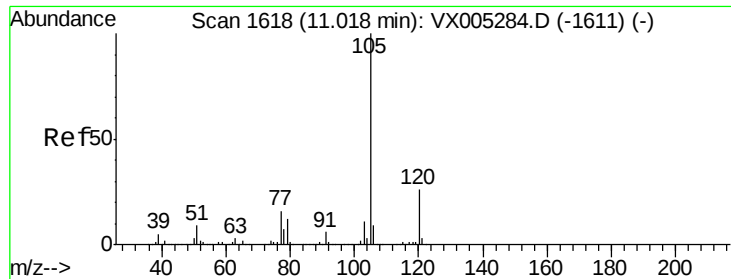
MMDadoda
10/19/2018 1:51:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.8	39.0	117.0
150	172.7	0.0	351.0





#73

Isopropylbenzene

Concen: 51.786 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 626804

Ion Ratio Lower Upper

105 100

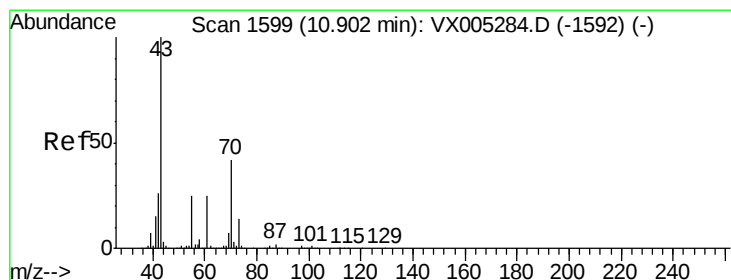
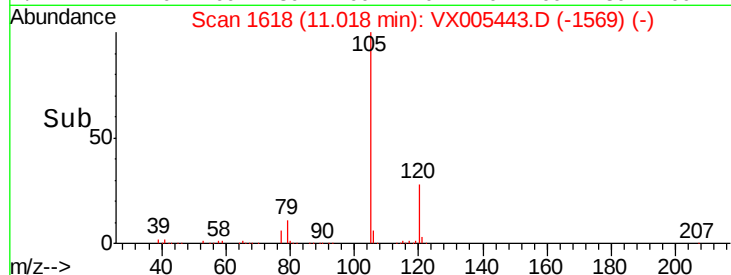
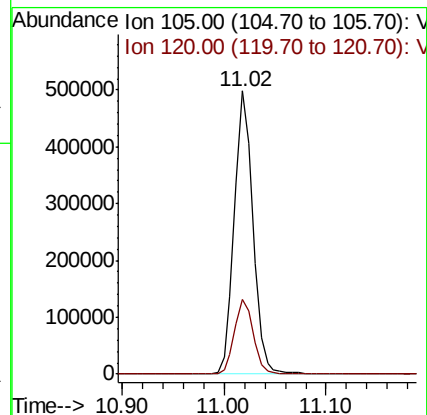
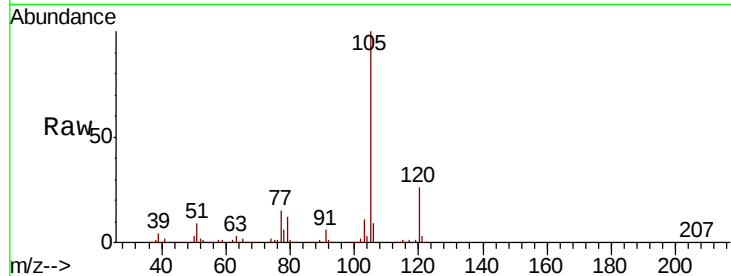
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.157 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion: 43 Resp: 298648

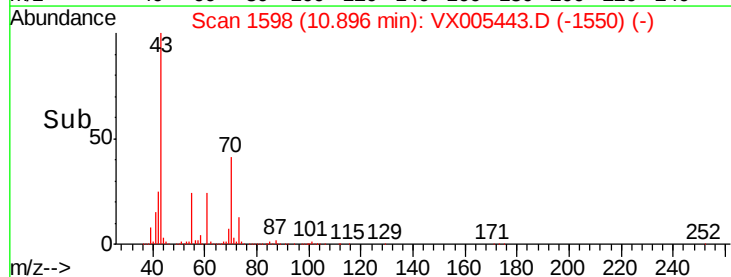
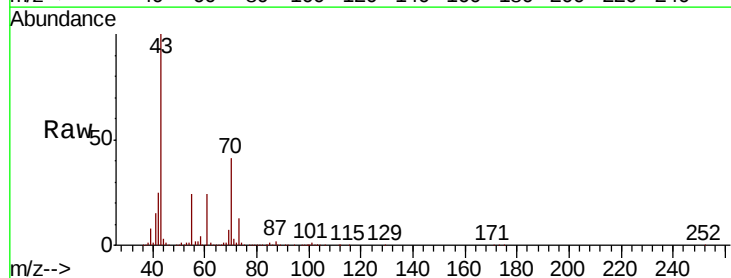
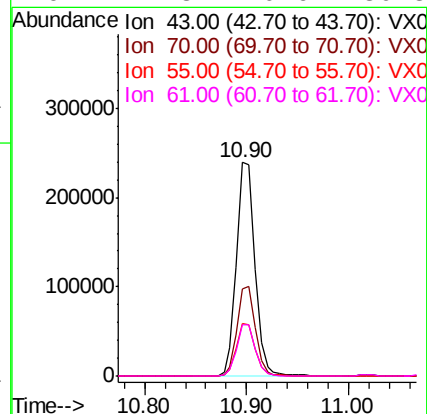
Ion Ratio Lower Upper

43 100

70 41.7 37.4 56.0

55 24.7 21.8 32.8

61 24.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.787 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 218189

Ion Ratio Lower Upper

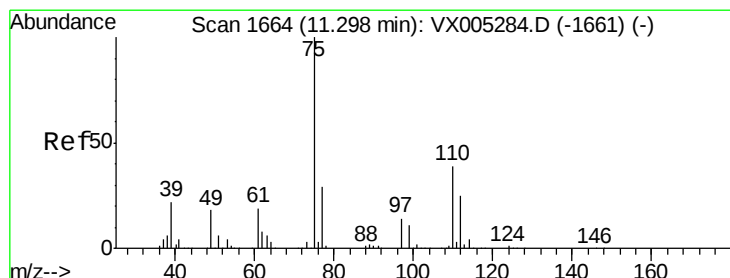
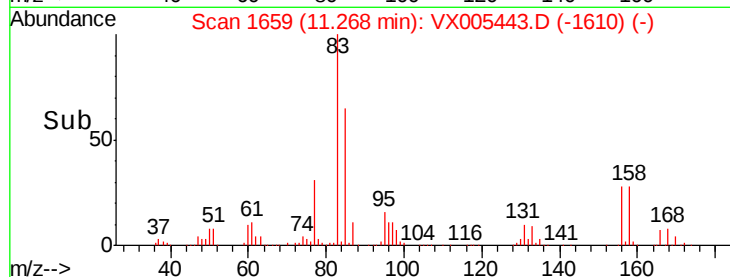
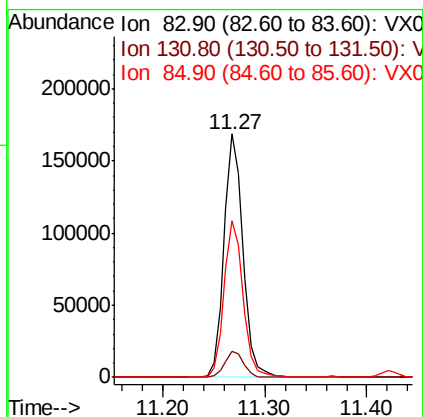
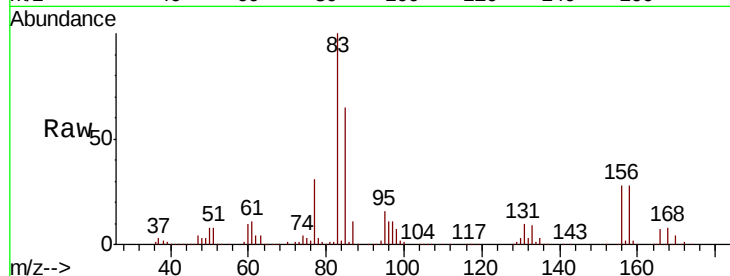
83 100

131 10.6 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations
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10/19/2018 1:51:31 PM



#76

1,2,3-Trichloropropane

Concen: 51.799 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005443.D

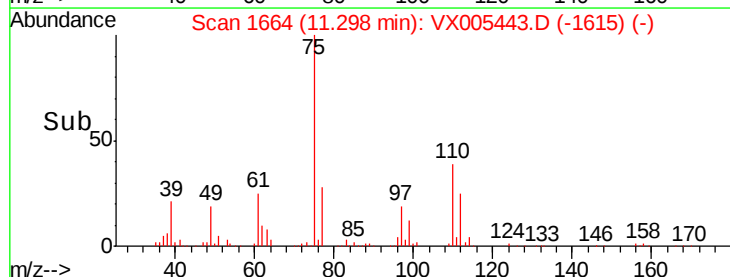
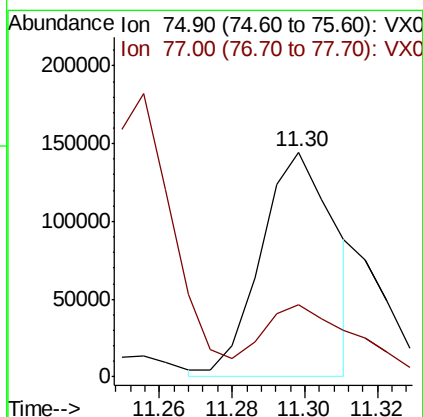
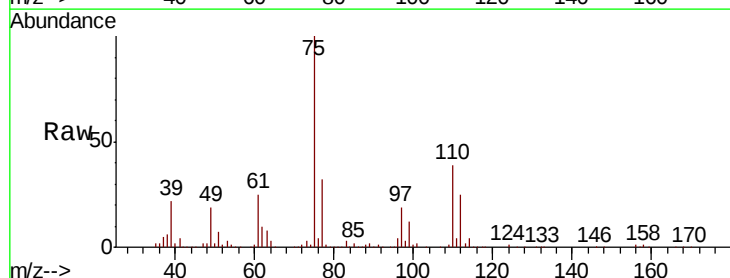
Acq: 18 Oct 2018 21:04

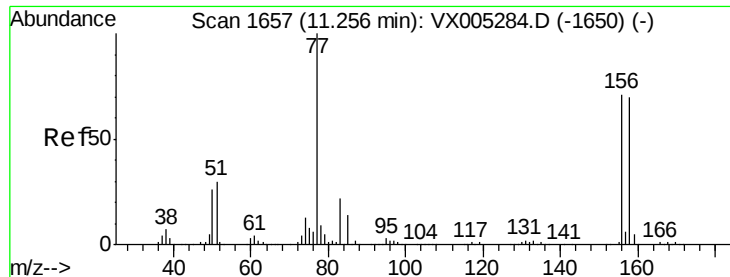
Tgt Ion: 75 Resp: 204571

Ion Ratio Lower Upper

75 100

77 40.2 20.2 60.6





#77

Bromobenzene

Concen: 49.131 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 170032

Ion Ratio Lower Upper

156 100

77 141.9 71.5 214.3

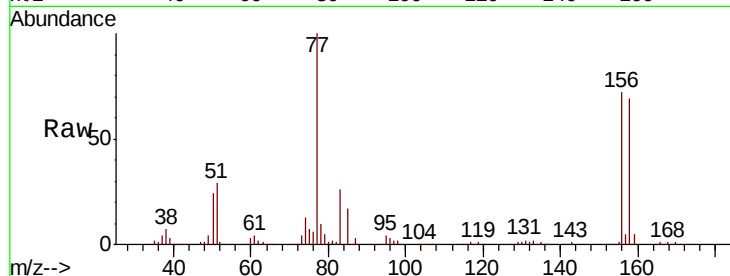
158 97.4 48.9 146.8

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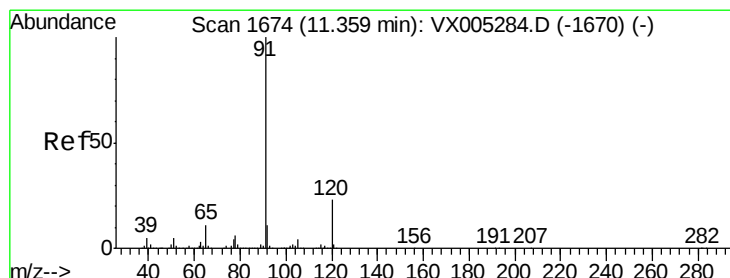
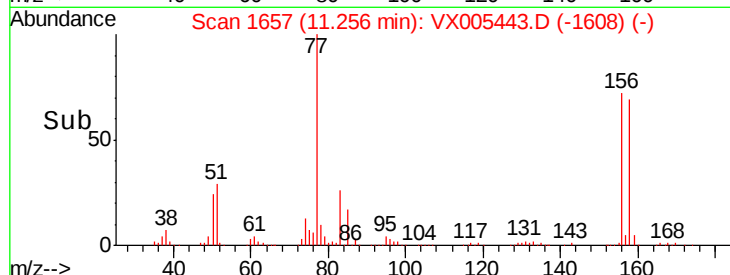
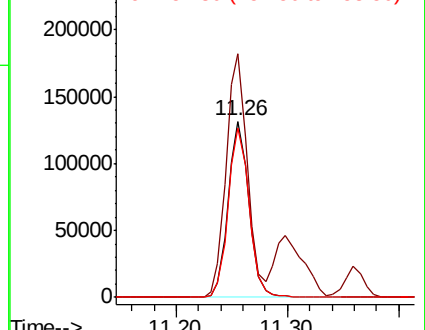
10/19/2018 1:51:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.926 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005443.D

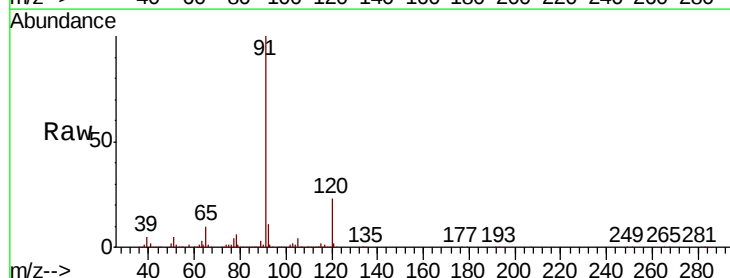
Acq: 18 Oct 2018 21:04

Tgt Ion: 91 Resp: 709310

Ion Ratio Lower Upper

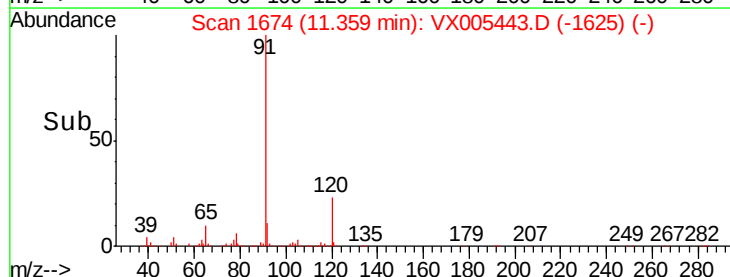
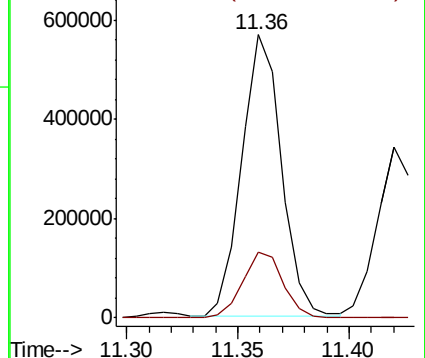
91 100

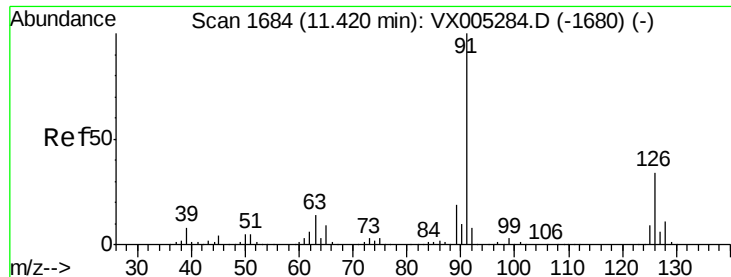
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.837 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 425112

Ion Ratio Lower Upper

91 100

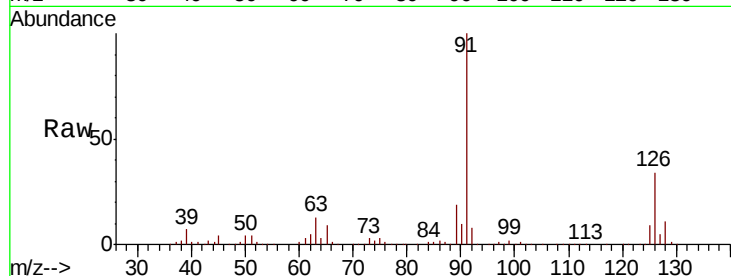
126 35.3 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

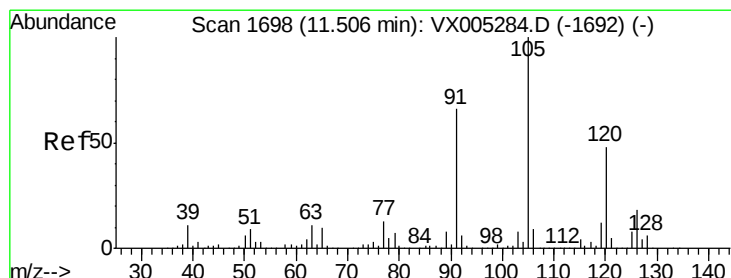
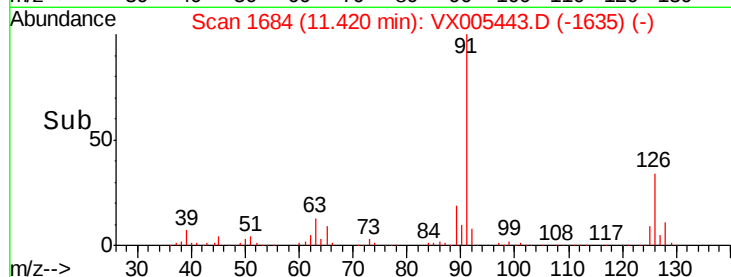
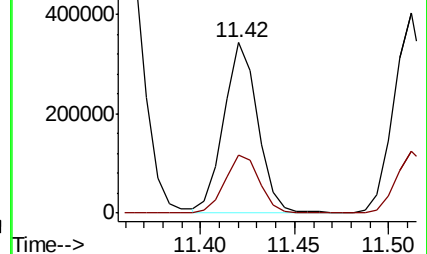
600000

400000

200000

0

11.40 11.45 11.50



#80

1,3,5-Trimethylbenzene

Concen: 51.444 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005443.D

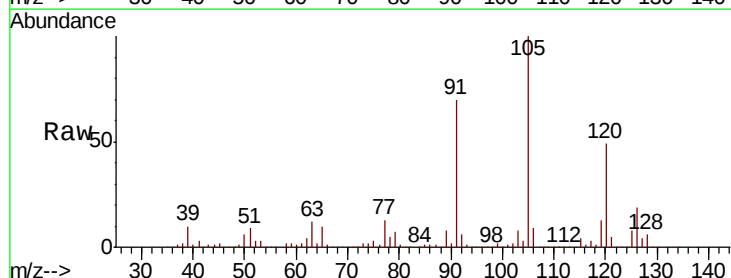
Acq: 18 Oct 2018 21:04

Tgt Ion: 105 Resp: 533211

Ion Ratio Lower Upper

105 100

120 49.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

500000

400000

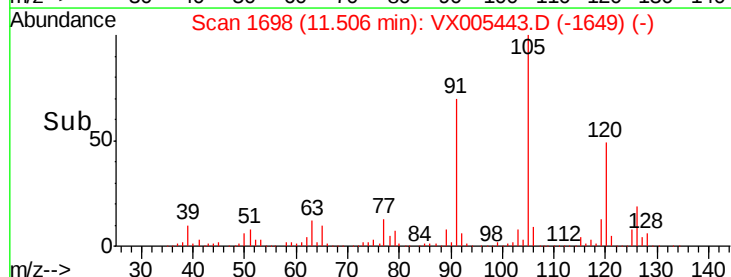
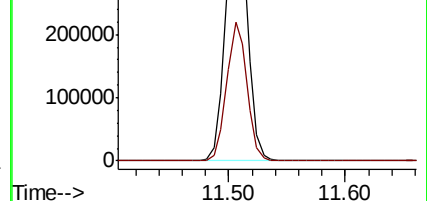
300000

200000

100000

0

11.50 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 47.650 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 61934

Ion Ratio Lower Upper

75 100

53 97.1 80.1 120.1

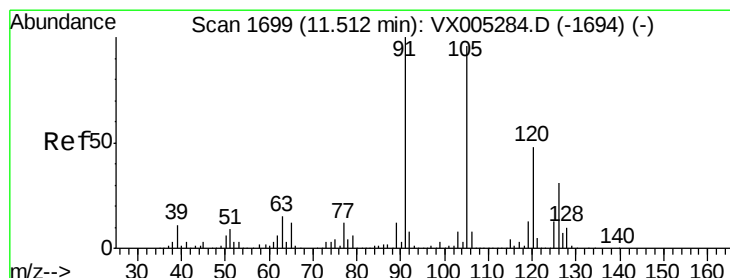
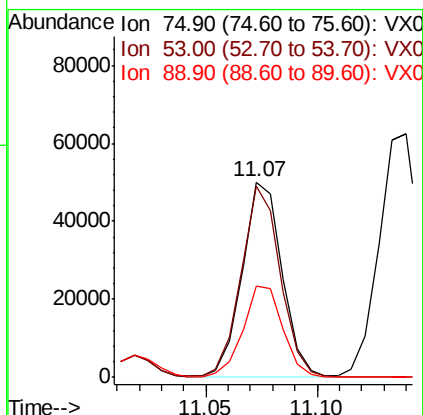
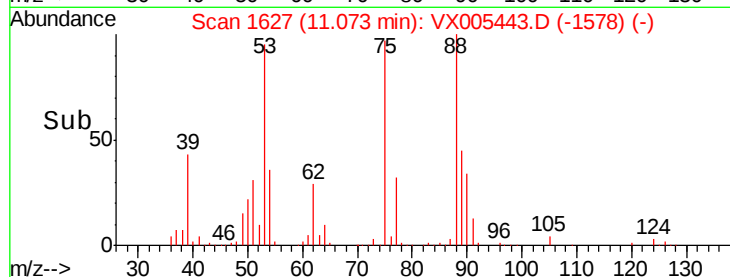
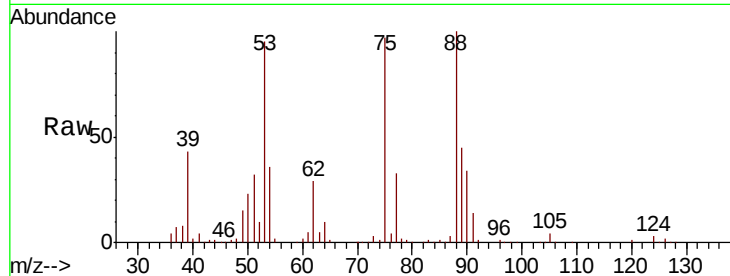
89 47.1 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.551 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005443.D

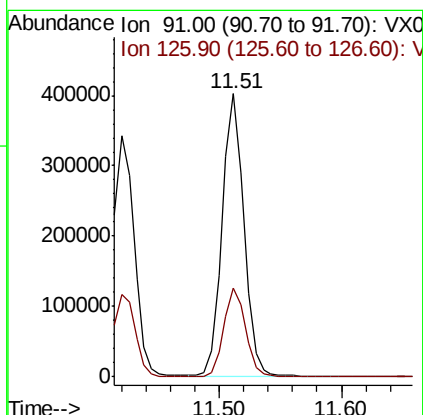
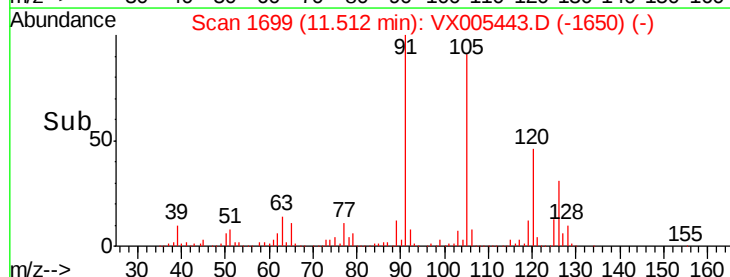
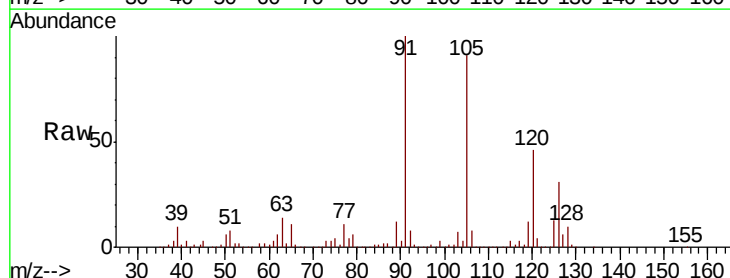
Acq: 18 Oct 2018 21:04

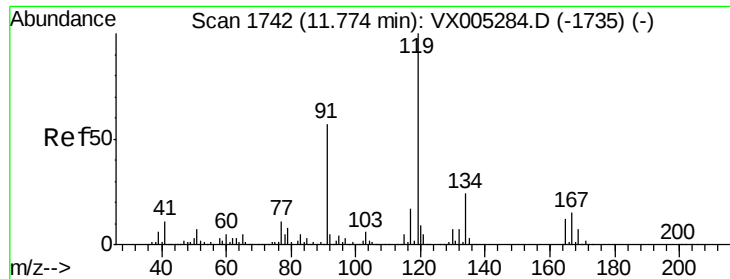
Tgt Ion: 91 Resp: 501053

Ion Ratio Lower Upper

91 100

126 31.3 15.5 46.5





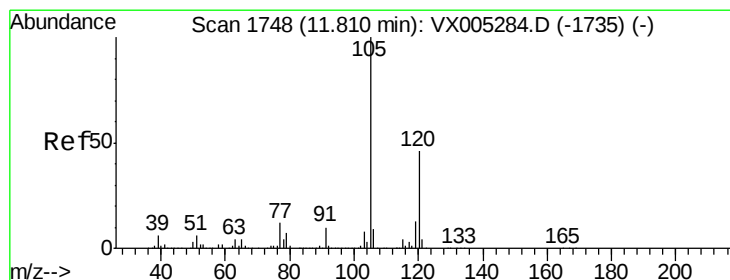
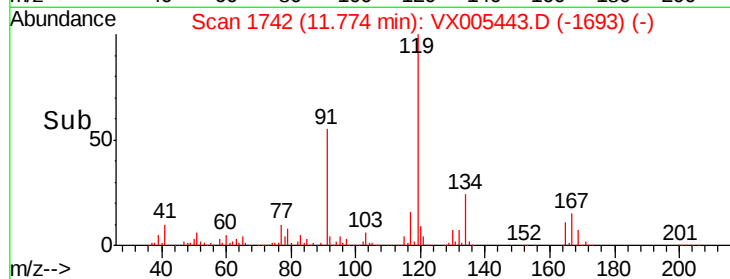
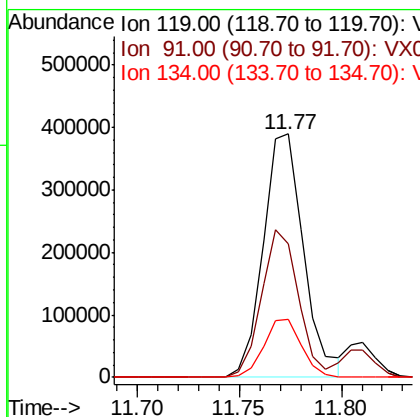
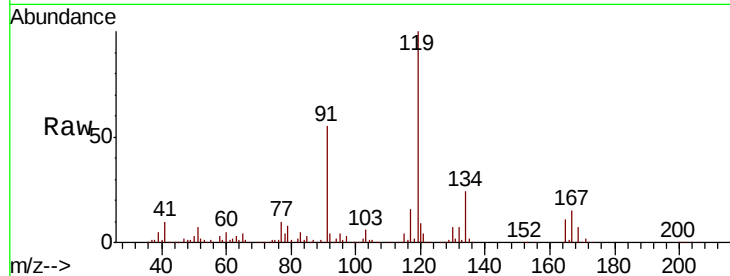
#83
 tert-Butylbenzene
 Concen: 51.181 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.0	81.0
134	22.8	11.7	35.1

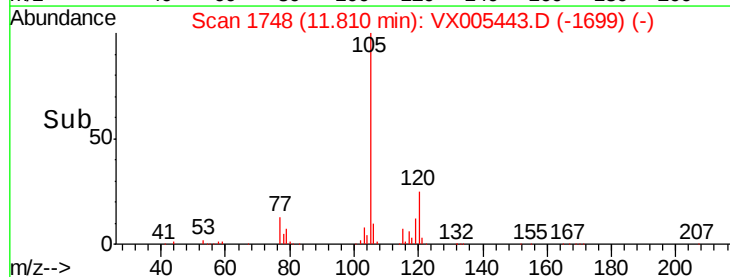
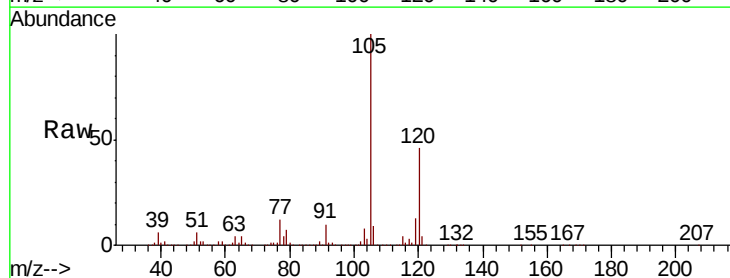
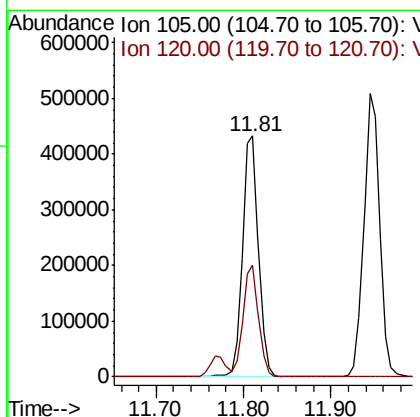
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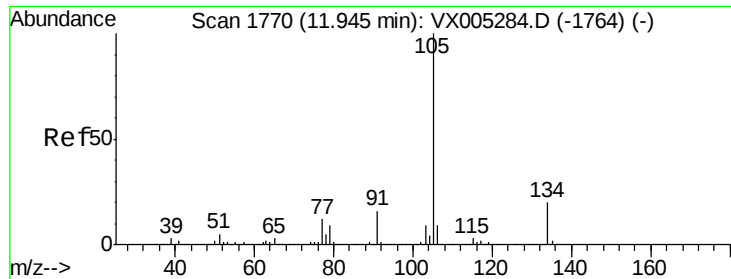
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.686 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 51.741 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 642693

Ion Ratio Lower Upper

105 100

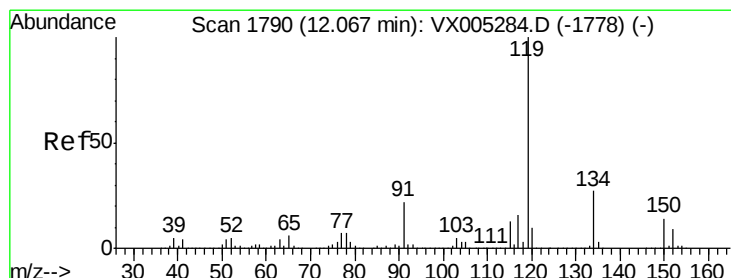
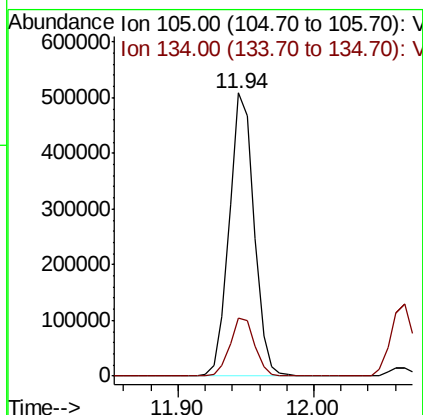
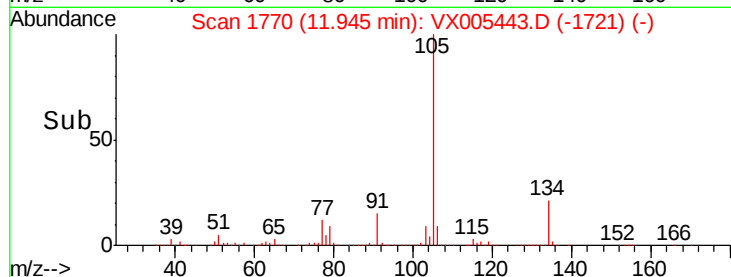
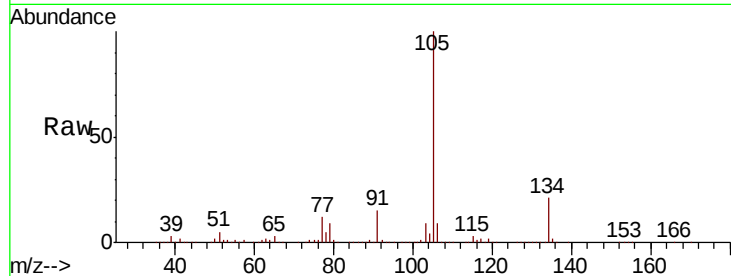
134 20.8 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 51.805 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

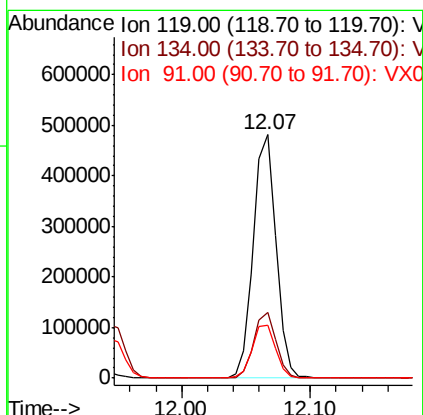
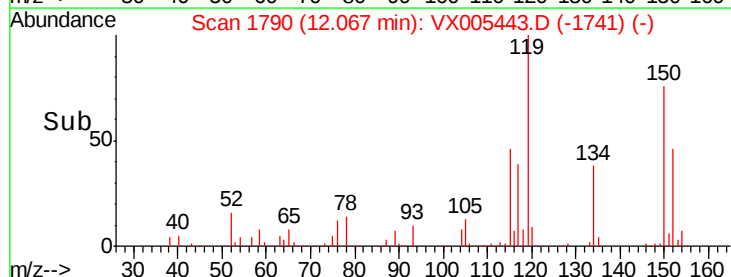
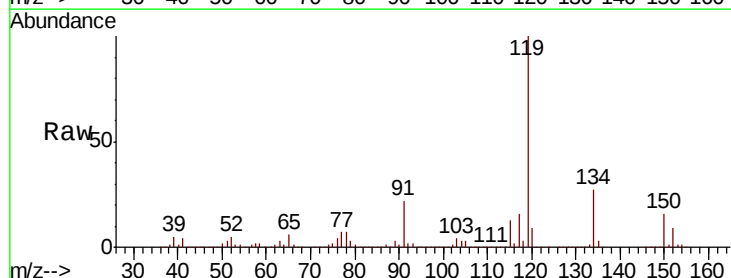
Tgt Ion:119 Resp: 581608

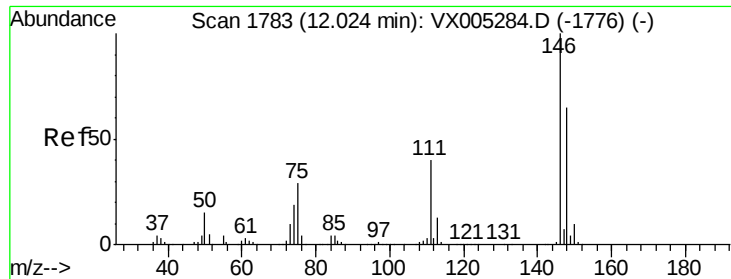
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.5 10.9 32.7





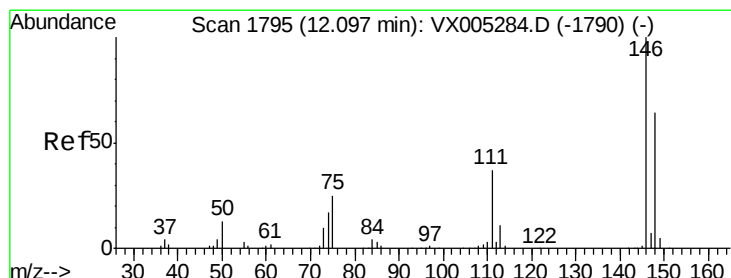
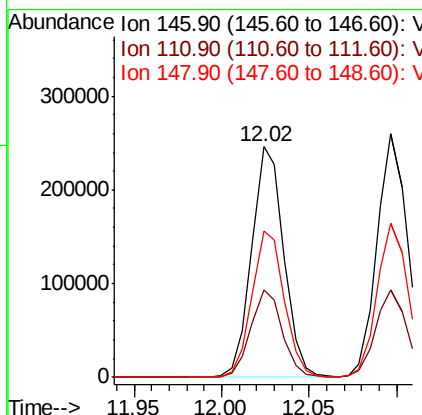
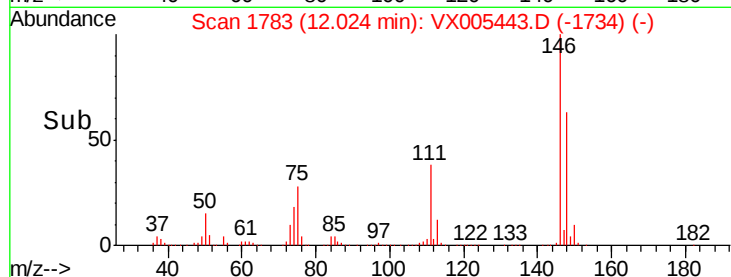
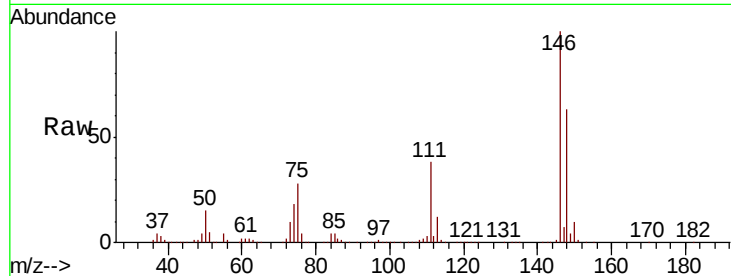
#87
 1,3-Dichlorobenzene
 Concen: 48.670 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.9	32.1	96.5

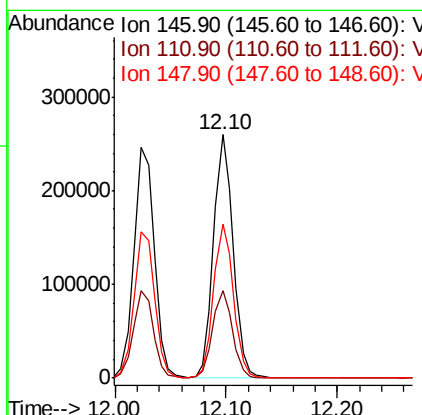
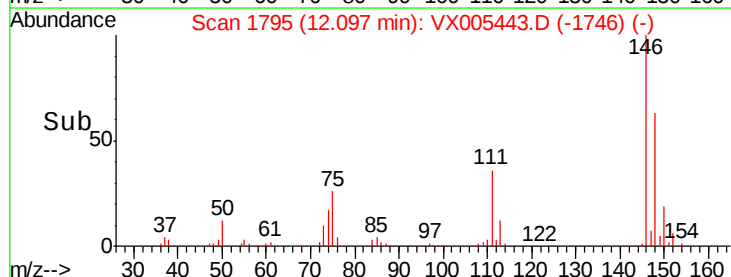
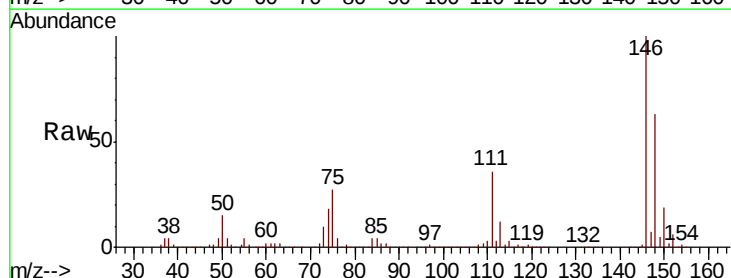
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 48.011 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	64.2	32.0	96.0





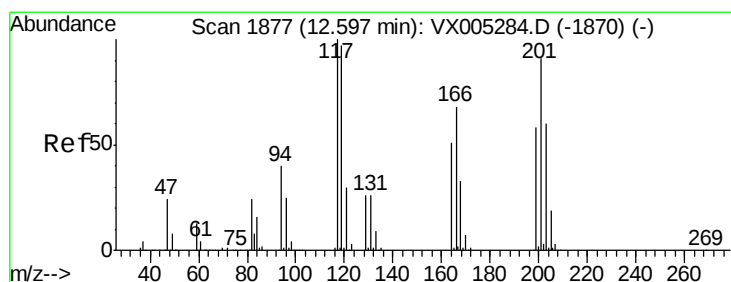
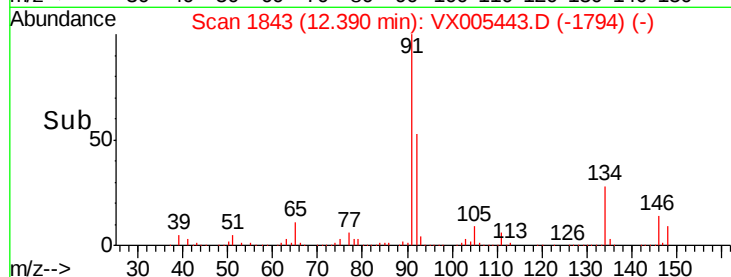
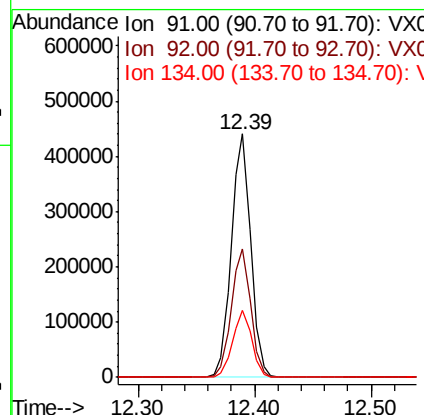
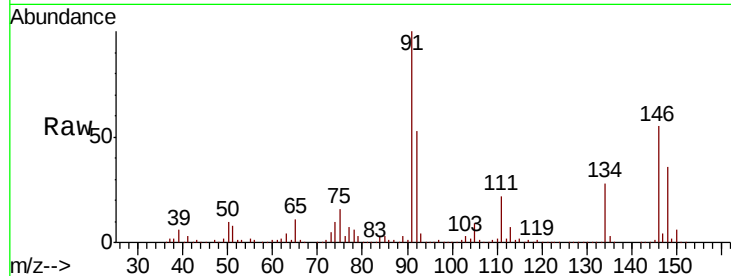
#89
n-Butylbenzene
Concen: 49.694 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	27.2	13.6	40.7

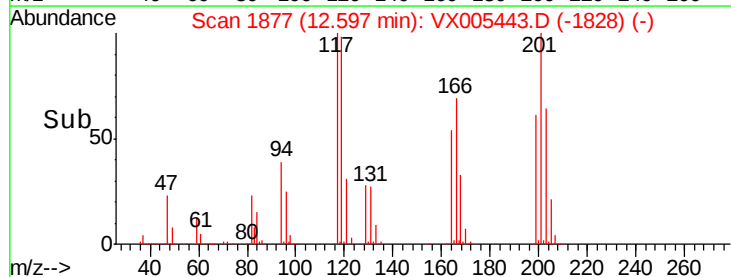
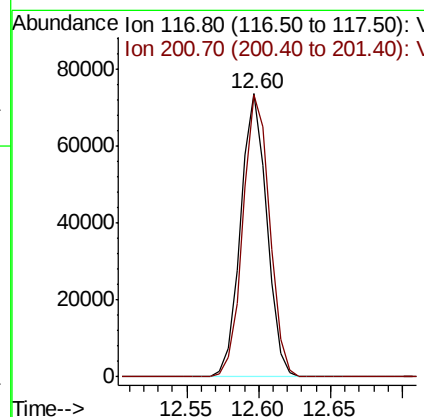
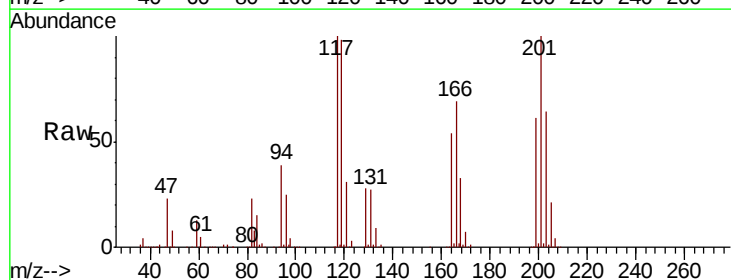
Manual Integrations
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#90
Hexachloroethane
Concen: 48.159 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.1	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 48.255 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

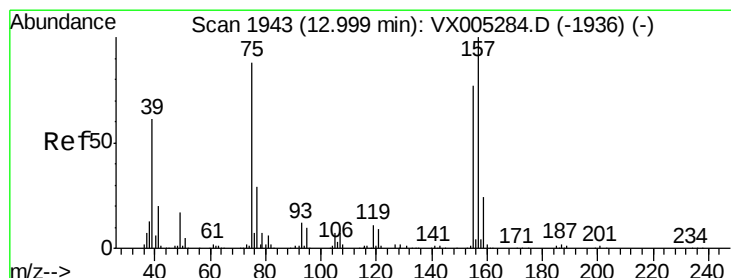
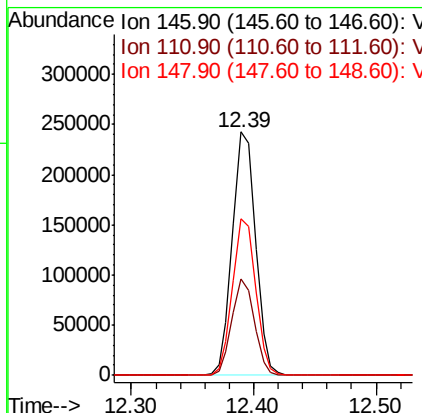
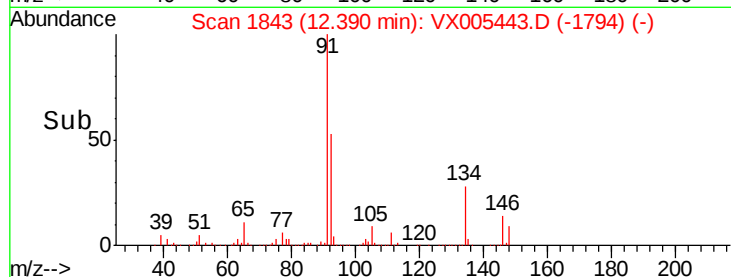
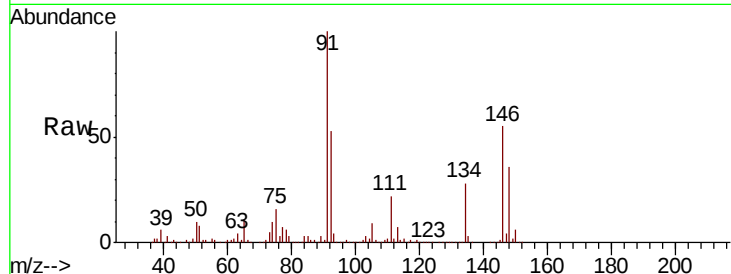
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	318450
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.1
148	64.2	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.755 ug/l

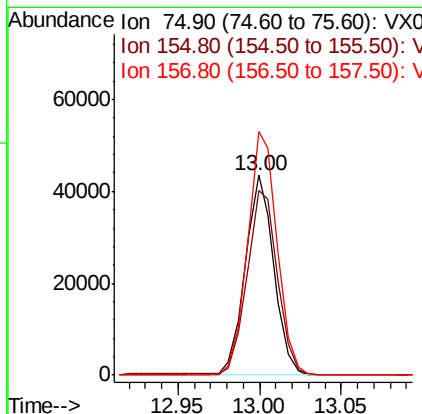
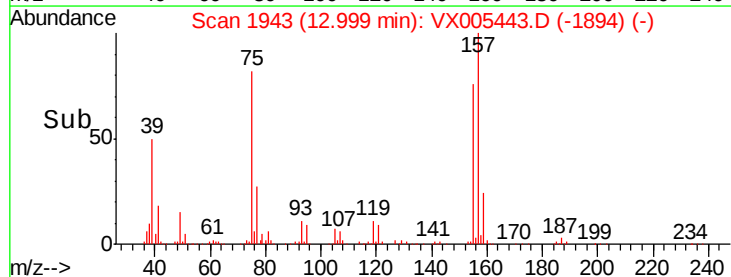
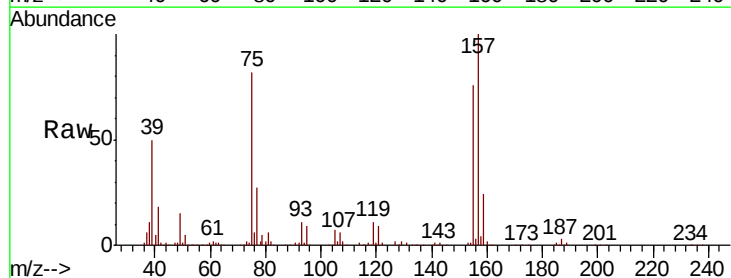
RT: 13.00 min Scan# 1943

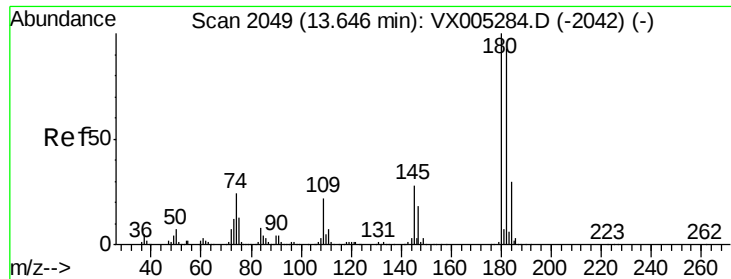
Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:	75	Resp:	53187
Ion Ratio	Lower	Upper	
75	100		
155	98.1	48.0	144.2
157	125.9	61.4	184.1





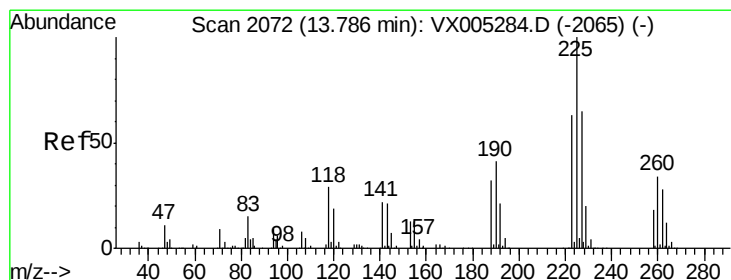
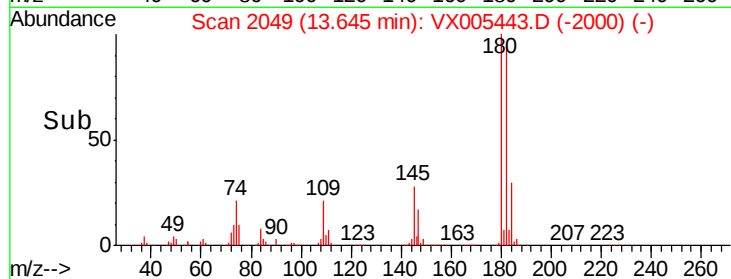
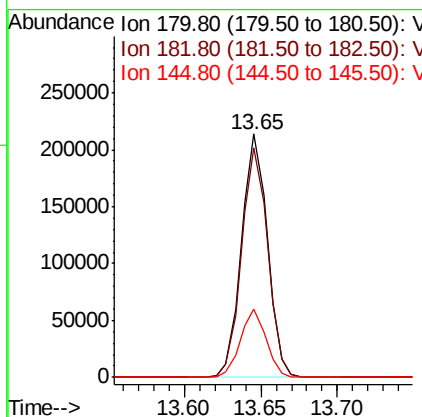
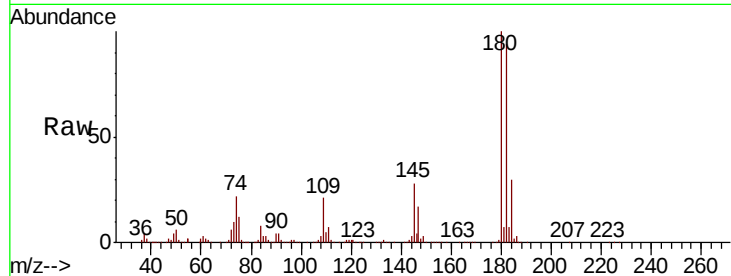
#93
 1,2,4-Trichlorobenzene
 Concen: 51.887 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	251223		
182	94.8	48.4	145.0	
145	27.6	14.3	42.9	

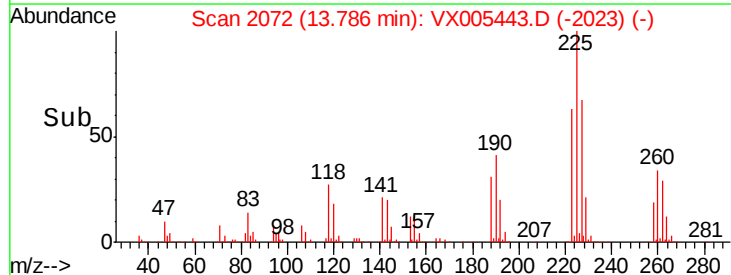
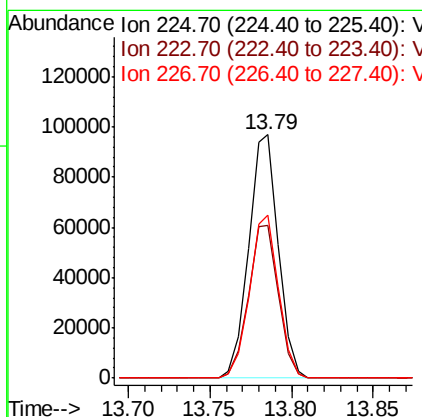
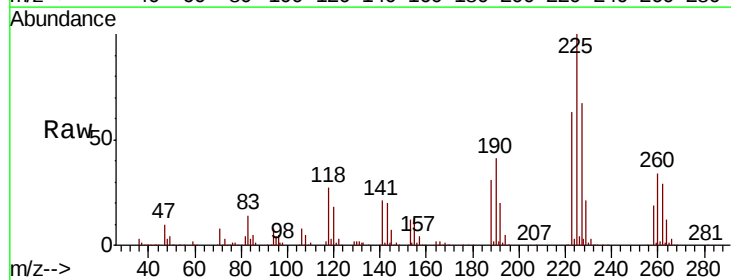
Manual Integrations
 APPROVED

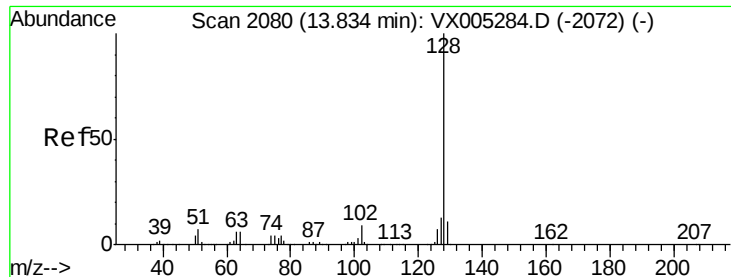
MMDadoda
 10/19/2018 1:51:31 PM



#94
 Hexachlorobutadiene
 Concen: 47.883 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122443		
223	63.5	30.1	90.5	
227	65.7	30.8	92.4	





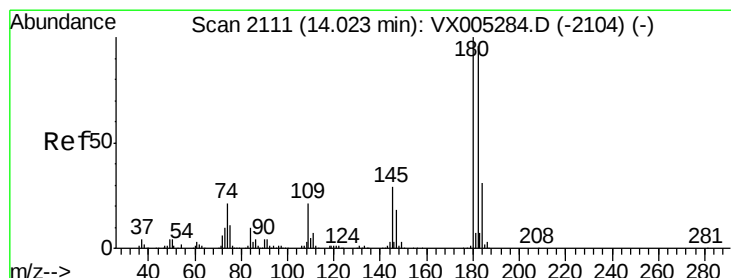
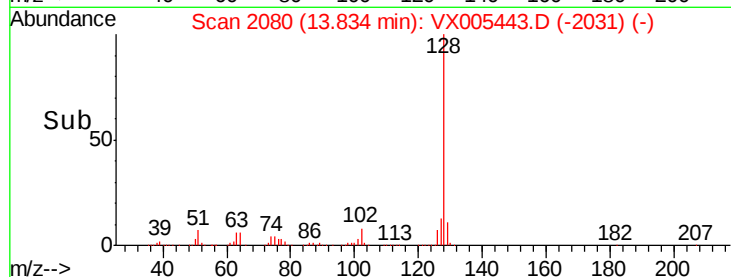
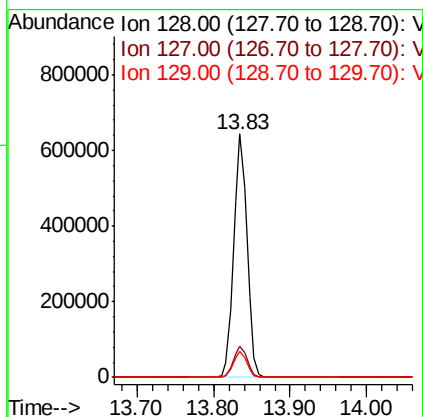
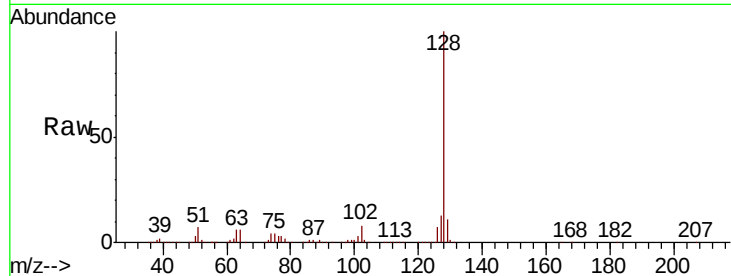
#95
Naphthalene
Concen: 55.249 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 1:51:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.195 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	29.3	14.9	44.9

