

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX101218\
 Data File : VX005285.D
 Acq On : 12 Oct 2018 10:32
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:35 AM

Quant Time: Oct 12 10:54:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 10:42:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	297252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	407032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212679	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	300299	78.35	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	156.70%	
35) Dibromofluoromethane	5.51	113	254789	68.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.80%	
50) Toluene-d8	8.72	98	911429	72.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.94%	
62) 4-Bromofluorobenzene	11.14	95	356575	79.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	227025	81.49	ug/l	91
3) Chloromethane	1.32	50	303368	79.13	ug/l	98
4) Vinyl Chloride	1.41	62	327909	83.33	ug/l	91
5) Bromomethane	1.64	94	187391	99.79	ug/l	97
6) Chloroethane	1.70	64	181145	71.19	ug/l	90
7) Trichlorofluoromethane	1.92	101	429607	82.35	ug/l	98
8) Diethyl Ether	2.19	74	186124	79.59	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.37	101	237794	71.86	ug/l	93
10) Methyl Iodide	2.50	142	304438	83.65	ug/l	98
11) Tert butyl alcohol	3.10	59	456473	499.12	ug/l	99
12) 1,1-Dichloroethene	2.37	96	239303	77.05	ug/l	96
13) Acrolein	2.29	56	291847	808.40	ug/l	95
14) Allyl chloride	2.71	41	572135	89.60	ug/l	90
15) Acrylonitrile	3.16	53	1023254	464.62	ug/l	98
16) Acetone	2.45	43	853755	456.38	ug/l	99
17) Carbon Disulfide	2.56	76	758789	84.52	ug/l	98
18) Methyl Acetate	2.78	43	499327	95.14	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	847550	77.77	ug/l	# 89
20) Methylene Chloride	2.85	84	273207	71.19	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	266524	77.66	ug/l	85
22) Diisopropyl ether	3.87	45	876089	76.18	ug/l	92
23) Vinyl Acetate	3.82	43	3918206	421.01	ug/l	# 94
24) 1,1-Dichloroethane	3.70	63	473921	72.99	ug/l	98
25) 2-Butanone	4.71	43	1336877	449.03	ug/l	94
26) 2,2-Dichloropropane	4.57	77	394257	88.41	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	303825	79.30	ug/l	97
28) Bromochloromethane	5.01	49	225167	75.81	ug/l	89
29) Tetrahydrofuran	5.16	42	883250	491.94	ug/l	93
30) Chloroform	5.21	83	455749	71.90	ug/l	98
31) Cyclohexane	5.57	56	472656	85.25	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	422167	82.69	ug/l	99
36) 1,1-Dichloropropene	5.79	75	361459	73.15	ug/l	97
37) Ethyl Acetate	4.86	43	473745	84.29	ug/l	98
38) Carbon Tetrachloride	5.78	117	378263	78.37	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	406061	78.74	ug/l	97
40) Benzene	6.15	78	1101348	75.12	ug/l	98
41) Methacrylonitrile	5.07	41	261639	84.49	ug/l	98
42) 1,2-Dichloroethane	6.20	62	373798	76.87	ug/l	97
43) Isopropyl Acetate	6.46	43	669567	89.70	ug/l	97
44) Trichloroethene	7.21	130	302670	79.46	ug/l	97
45) 1,2-Dichloropropane	7.52	63	264722	75.03	ug/l	98
46) Dibromomethane	7.66	93	177084	79.45	ug/l	98
47) Bromodichloromethane	7.90	83	340136	80.70	ug/l	100
48) Methyl methacrylate	7.78	41	357962	96.90	ug/l	94
49) 1,4-Dioxane	7.76	88	163071	1865.00	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	2407597	457.03	ug/l	95
52) Toluene	8.79	92	642850	74.42	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	401023	81.45	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	421982	84.07	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	262285	70.52	ug/l	97
56) Ethyl methacrylate	9.18	69	439475	83.52	ug/l	95
57) 1,3-Dichloropropane	9.37	76	442150	73.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1176700	487.45	ug/l	95
59) 2-Hexanone	9.50	43	1954951	483.82	ug/l	94
60) Dibromochloromethane	9.59	129	290310	82.91	ug/l	100
61) 1,2-Dibromoethane	9.68	107	281152	79.13	ug/l	99
64) Tetrachloroethene	9.34	164	273418	62.10	ug/l	98
65) Chlorobenzene	10.14	112	736503	84.08	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	272256	90.13	ug/l	99
67) Ethyl Benzene	10.26	91	1277306	89.68	ug/l	99
68) m/p-Xylenes	10.36	106	995620	181.47	ug/l	95
69) o-Xylene	10.70	106	480818	91.16	ug/l	97
70) Styrene	10.71	104	820471	93.89	ug/l	97
71) Bromoform	10.86	173	261893	105.59	ug/l	99
73) Isopropylbenzene	11.02	105	1305077	93.17	ug/l	99
74) N-amyl acetate	10.90	43	659904	111.93	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	462418	102.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	411180m	96.09	ug/l	
77) Bromobenzene	11.26	156	356519	92.09	ug/l	100
78) n-propylbenzene	11.36	91	1512206	93.90	ug/l	100
79) 2-Chlorotoluene	11.42	91	894638	91.59	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1139864	96.80	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	148740	110.80	ug/l	96
82) 4-Chlorotoluene	11.51	91	1079884	94.73	ug/l	100
83) tert-Butylbenzene	11.77	119	1153742	102.92	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1173474	97.61	ug/l	98
85) sec-Butylbenzene	11.95	105	1365920	95.62	ug/l	99
86) p-Isopropyltoluene	12.07	119	1244985	98.69	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	676123	93.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	683764	91.61	ug/l	100
89) n-Butylbenzene	12.39	91	1131754	98.45	ug/l	98
90) Hexachloroethane	12.60	117	212314	105.13	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	678244	92.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	117478	121.78	ug/l	100

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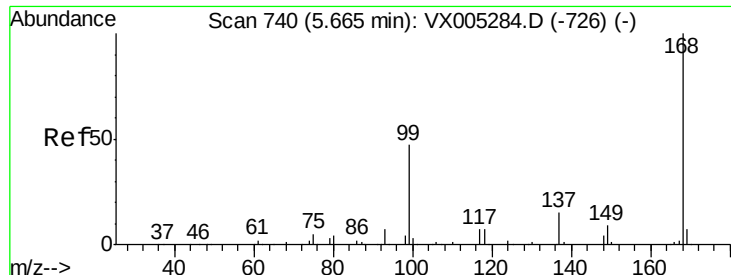
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	540922	104.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	266261	98.47	ug/l	97
95) Naphthalene	13.83	128	1659711	114.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	548207	103.08	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 297252

Ion Ratio Lower Upper

168 100

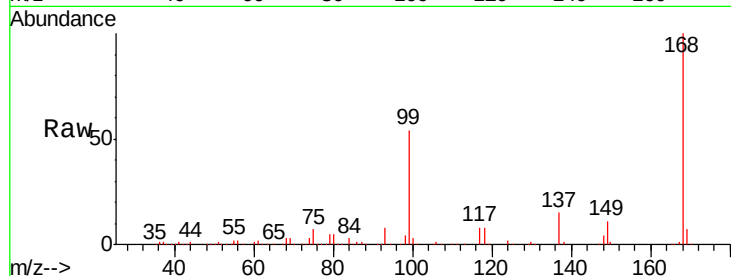
99 54.0 39.9 59.9

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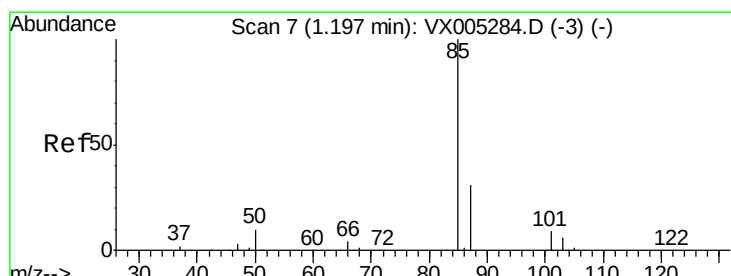
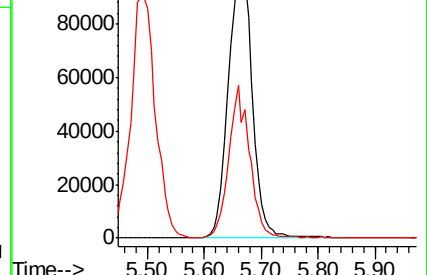
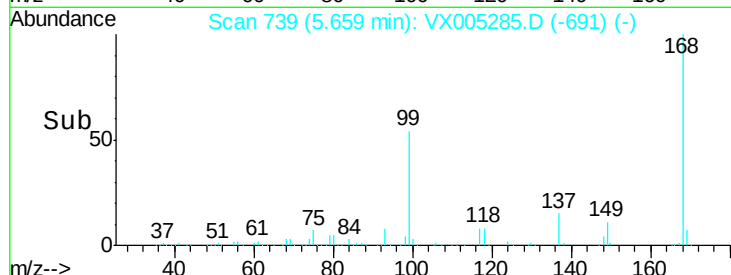


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 81.49 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005285.D

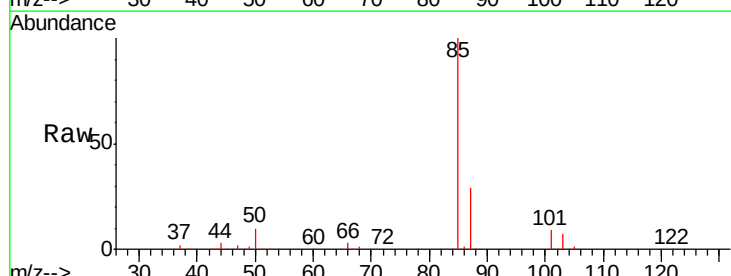
Acq: 12 Oct 2018 10:32

Tgt Ion: 85 Resp: 227025

Ion Ratio Lower Upper

85 100

87 28.9 17.0 50.9

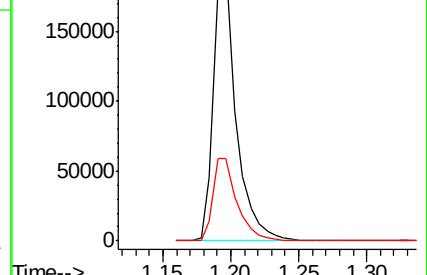
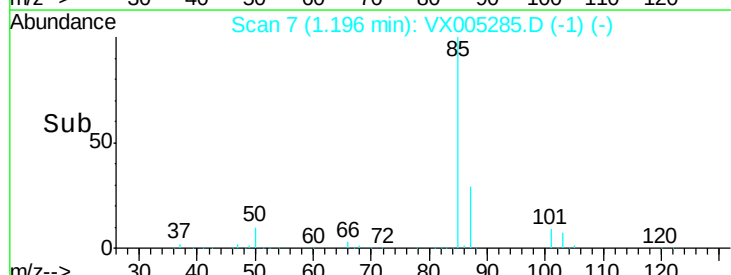


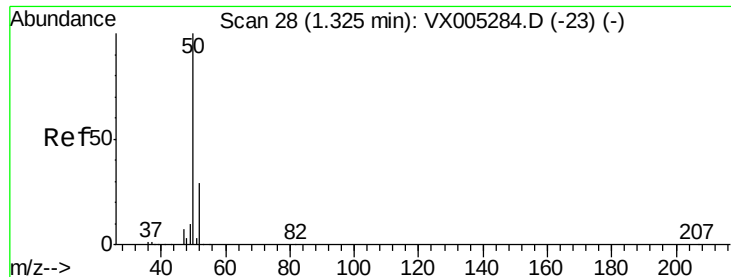
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 79.13 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 303368

Ion Ratio Lower Upper

50 100

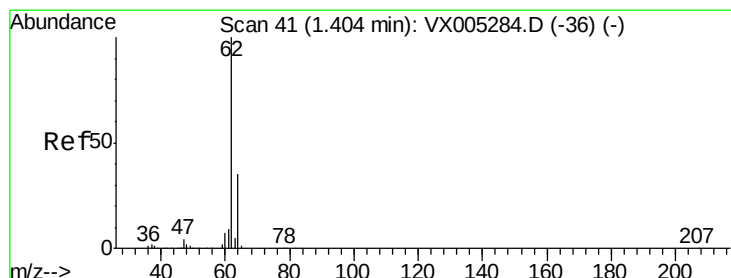
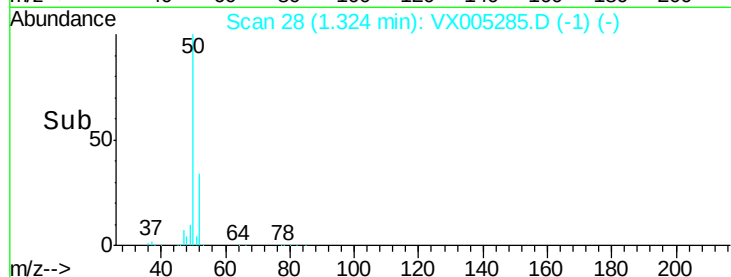
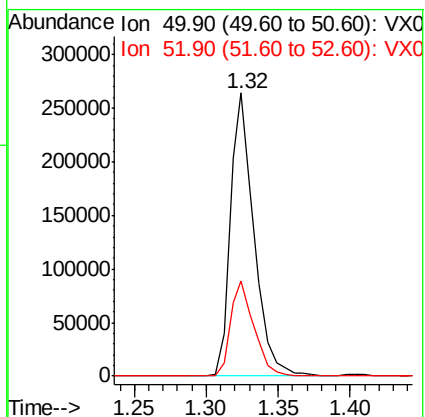
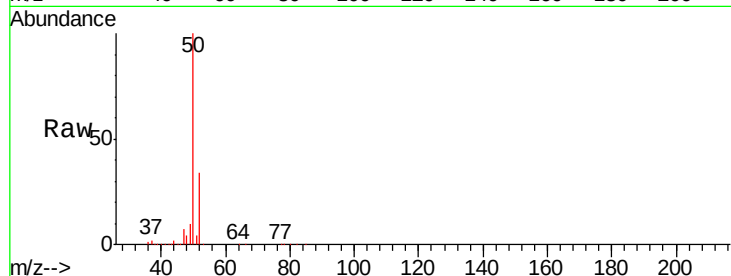
52 33.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 83.33 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005285.D

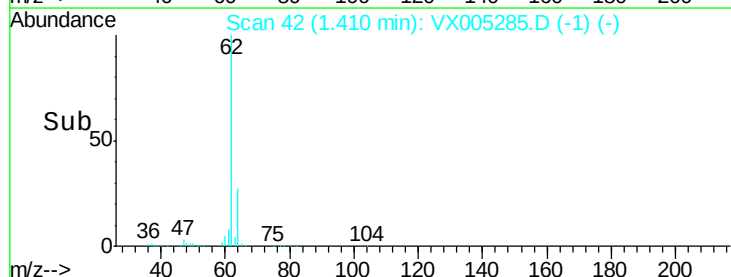
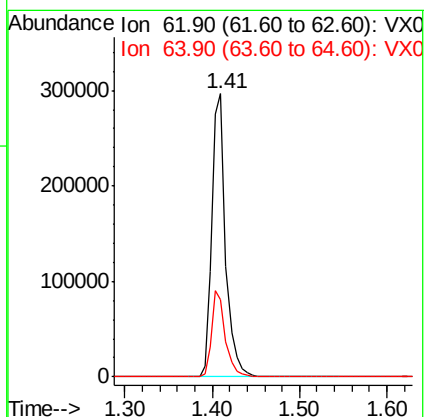
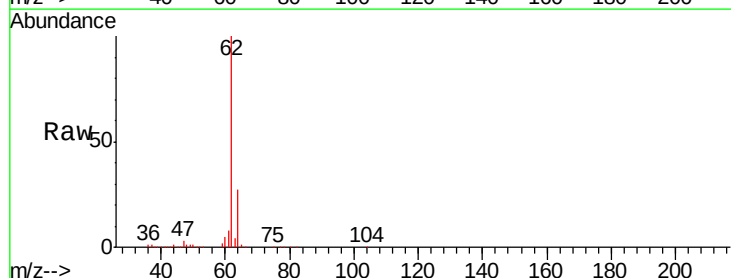
Acq: 12 Oct 2018 10:32

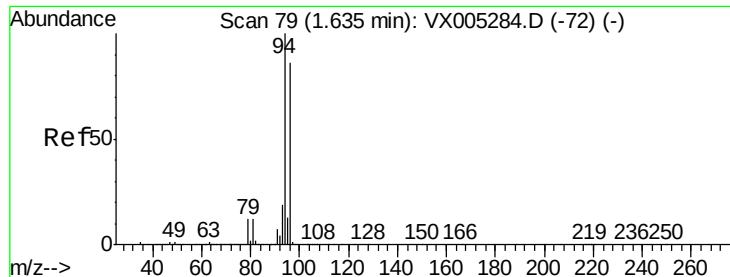
Tgt Ion: 62 Resp: 327909

Ion Ratio Lower Upper

62 100

64 27.2 25.8 38.8





#5

Bromomethane

Concen: 99.79 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 187391

Ion Ratio Lower Upper

94 100

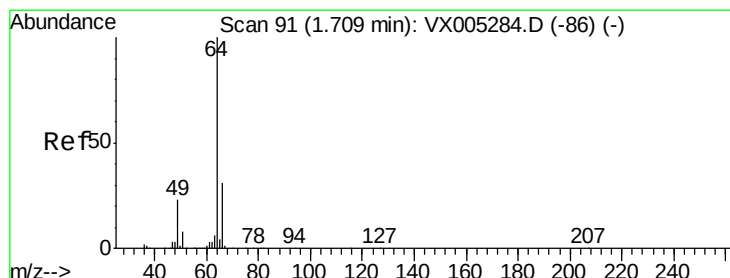
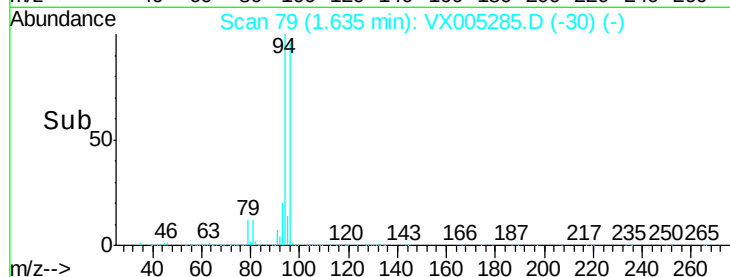
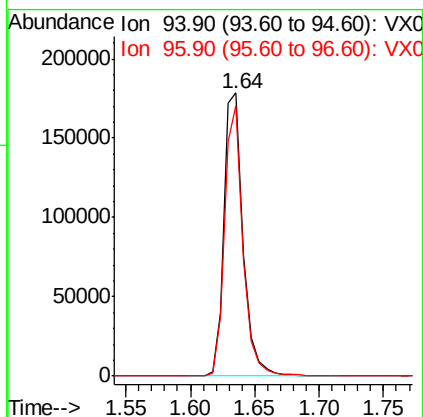
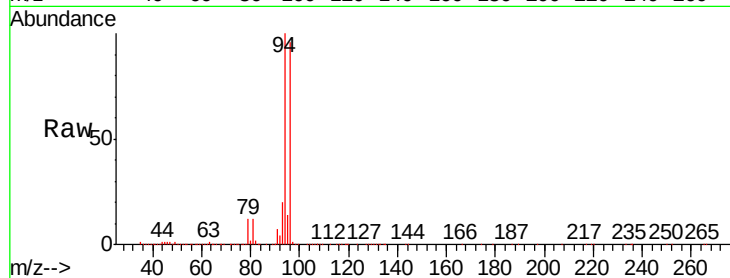
96 95.6 74.5 111.7

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#6

Chloroethane

Concen: 71.19 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005285.D

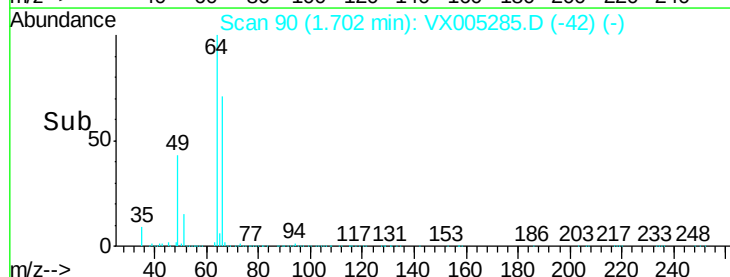
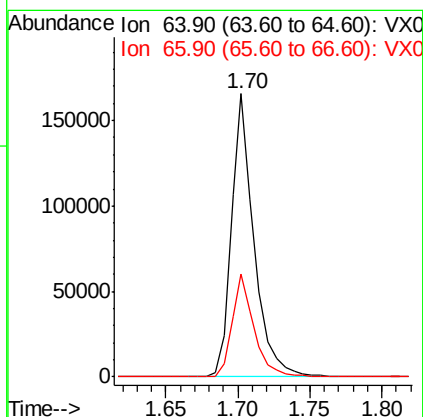
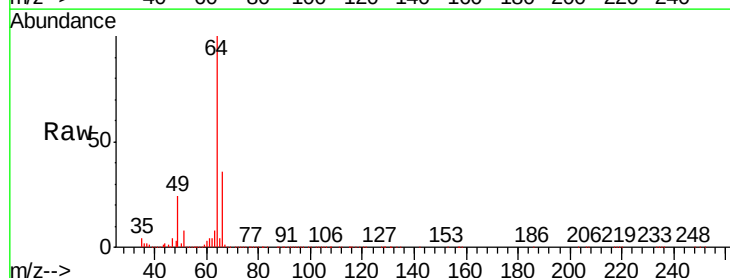
Acq: 12 Oct 2018 10:32

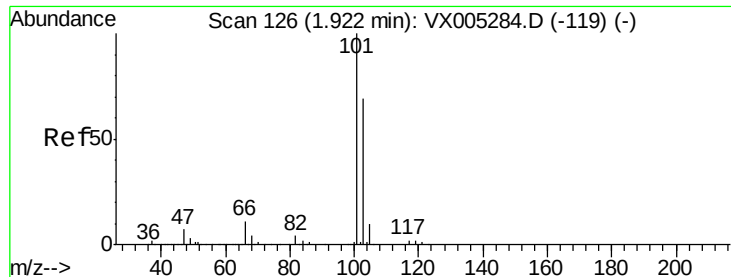
Tgt Ion: 64 Resp: 181145

Ion Ratio Lower Upper

64 100

66 36.4 24.6 36.8





#7

Trichlorofluoromethane

Concen: 82.35 ug/l

RT: 1.92 min Scan# 125

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 101 Resp: 429607

Ion Ratio Lower Upper

101 100

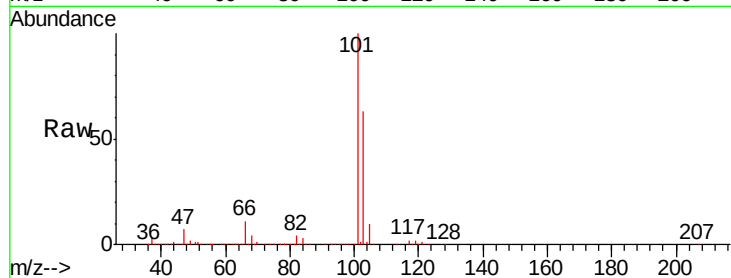
103 62.9 48.9 73.3

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10/17/2018 9:04:35 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

300000

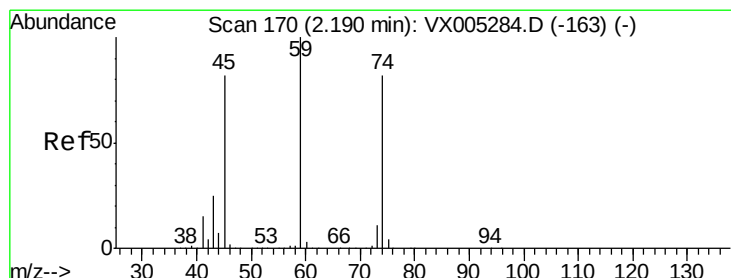
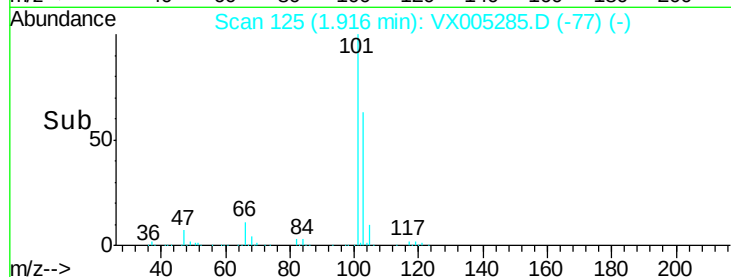
200000

100000

0

Time-->

1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 79.59 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005285.D

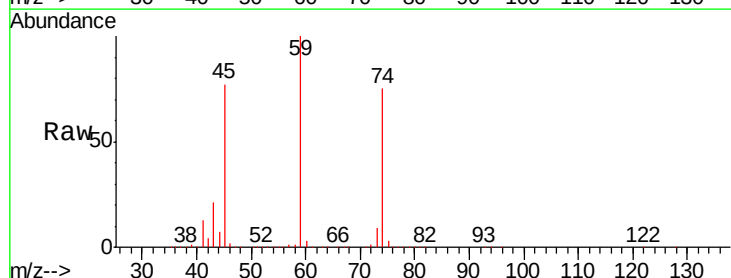
Acq: 12 Oct 2018 10:32

Tgt Ion: 74 Resp: 186124

Ion Ratio Lower Upper

74 100

45 114.0 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

150000

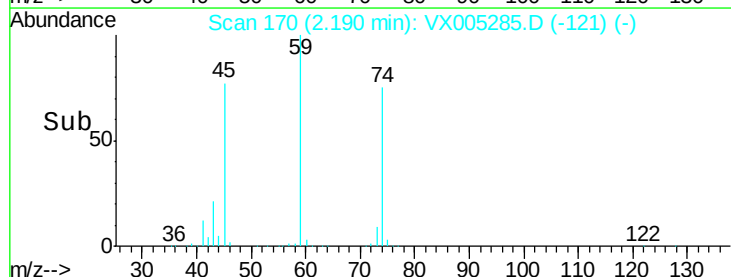
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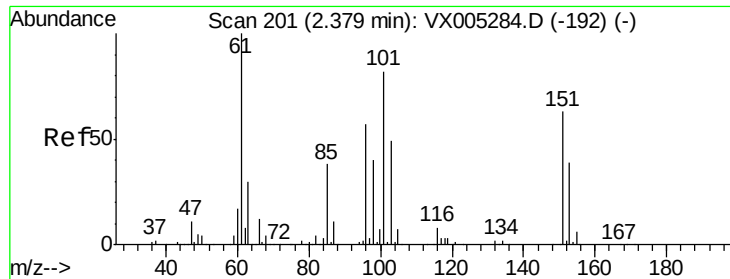
50000

0

Time-->

2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 71.86 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

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MSVOA_X

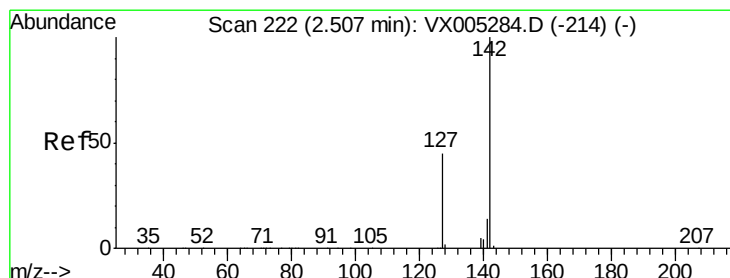
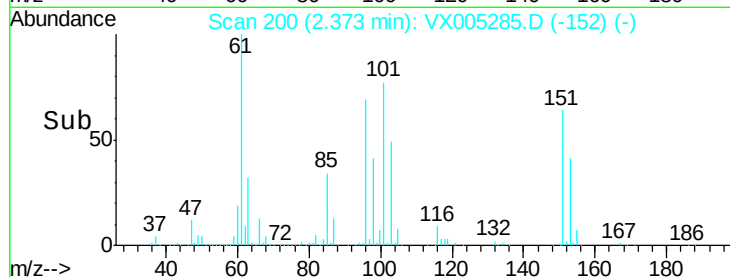
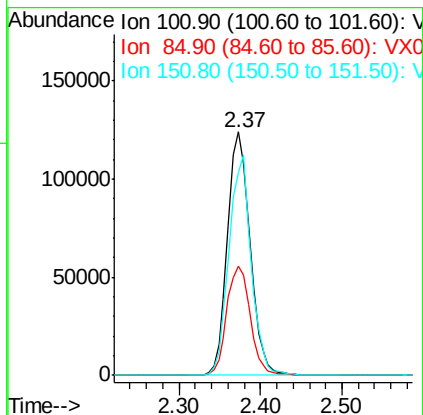
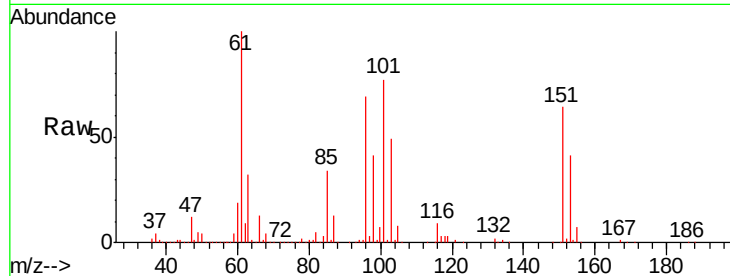
ClientSampleId :

VSTDIC100

Tgt	Ion:101	Resp:	237794
Ion	Ratio	Lower	Upper
101	100		
85	46.5	34.2	51.4
151	88.6	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 83.65 ug/l

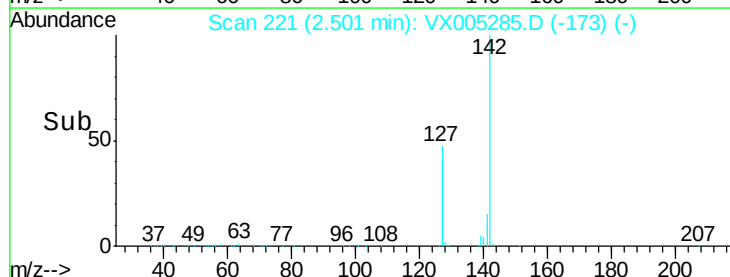
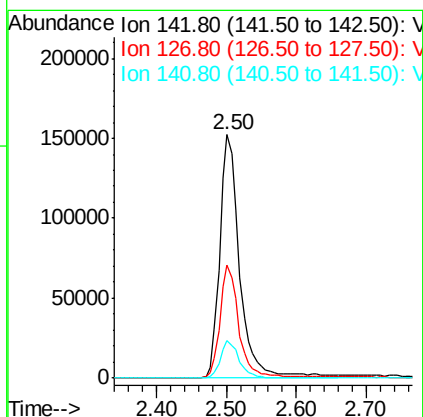
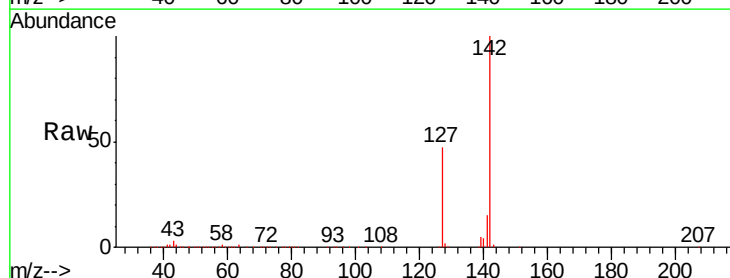
RT: 2.50 min Scan# 221

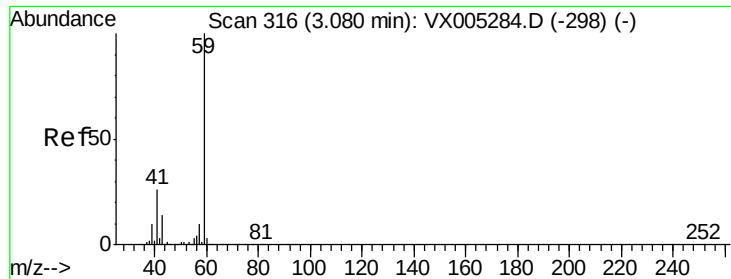
Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt	Ion:142	Resp:	304438
Ion	Ratio	Lower	Upper
142	100		
127	43.7	33.8	50.6
141	14.4	11.4	17.0





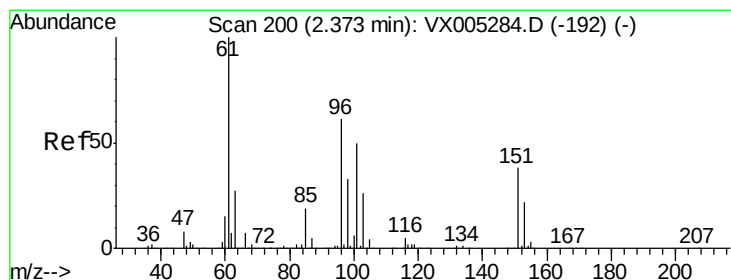
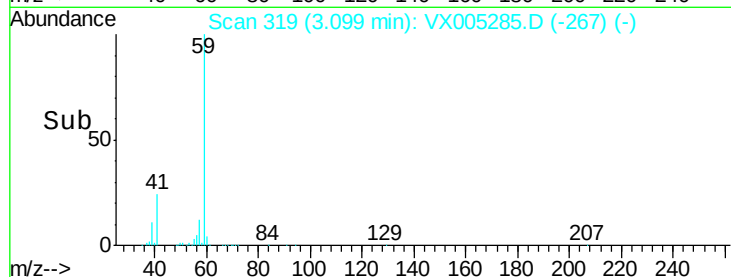
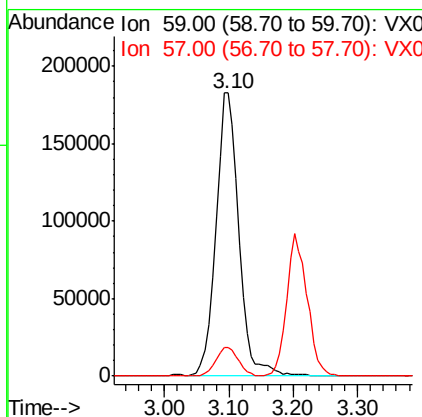
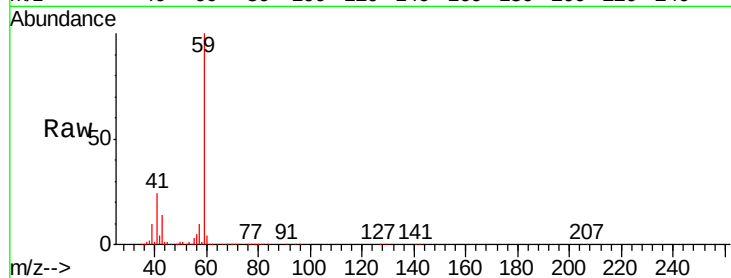
#11
Tert butyl alcohol
Concen: 499.12 ug/l
RT: 3.10 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

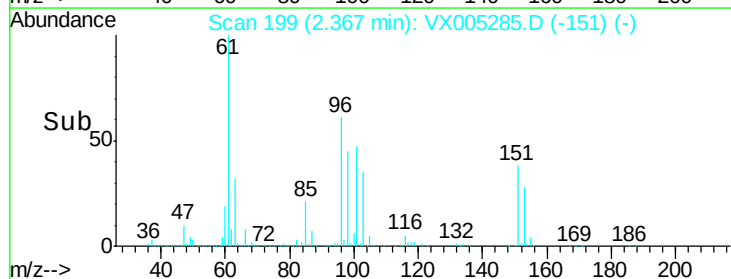
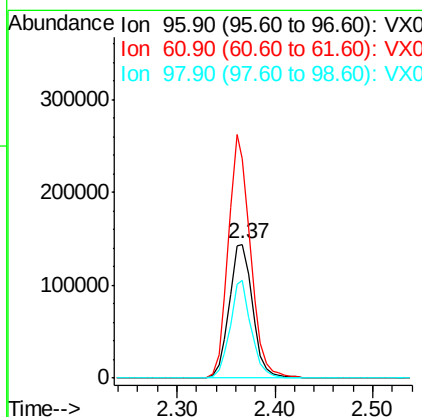
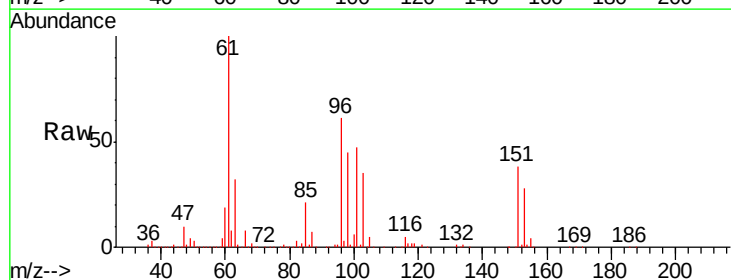
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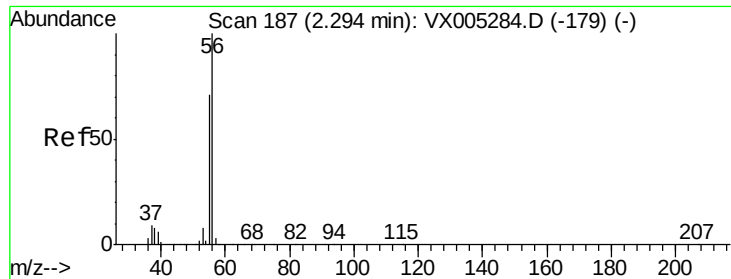
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#12
1,1-Dichloroethene
Concen: 77.05 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	128.8	193.2
98	73.1	52.2	78.2





#13

Acrolein

Concen: 808.40 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 291847

Ion Ratio Lower Upper

56 100

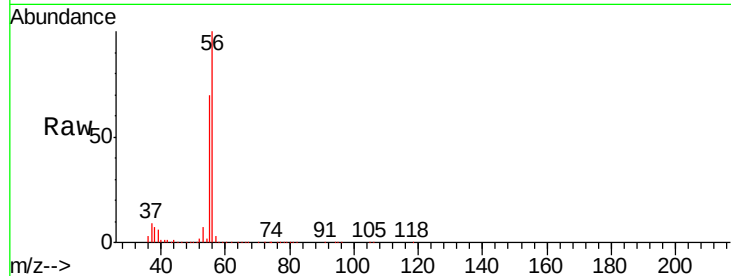
55 72.7 54.7 82.1

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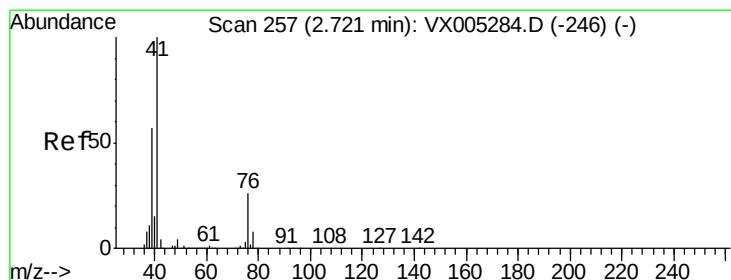
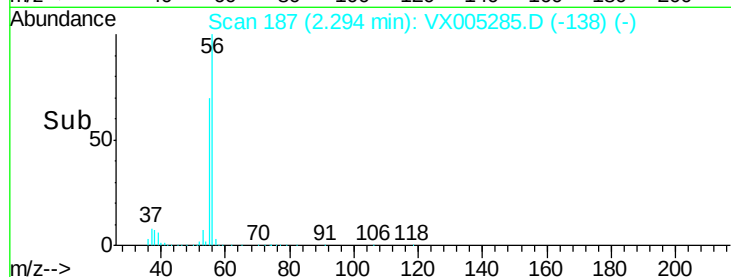
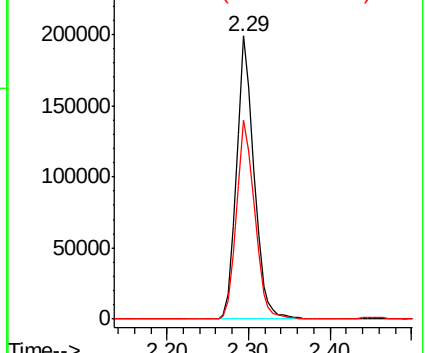
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 89.60 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

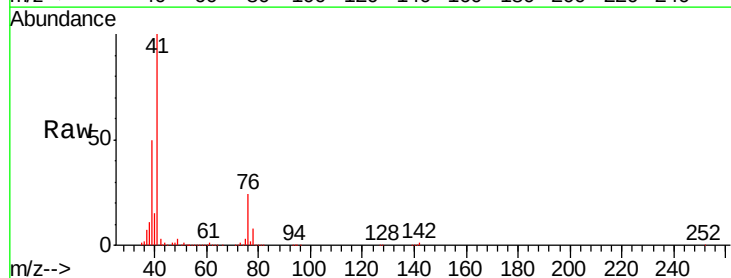
Tgt Ion: 41 Resp: 572135

Ion Ratio Lower Upper

41 100

39 54.1 48.9 73.3

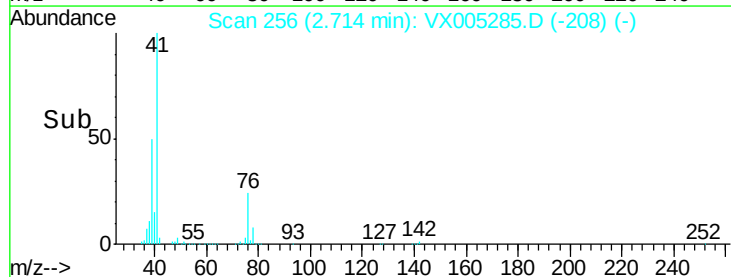
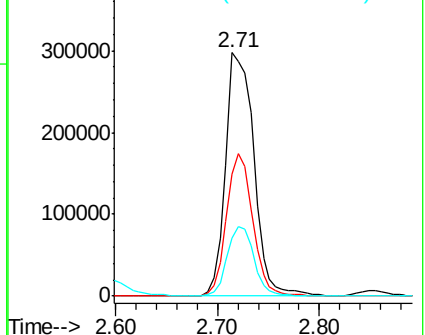
76 27.1 26.7 40.1

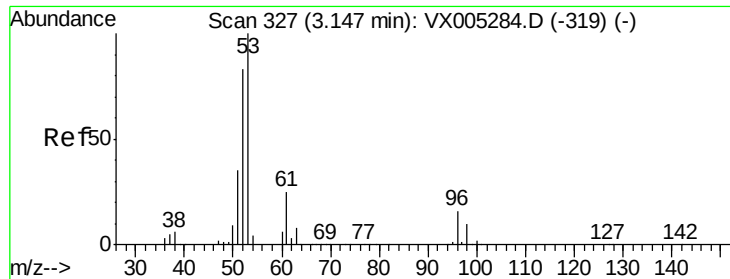


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 464.62 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 1023254

Ion Ratio Lower Upper

53 100

52 78.5 65.2 97.8

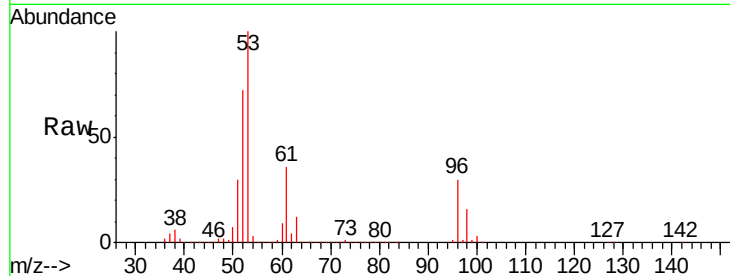
51 35.0 28.2 42.2

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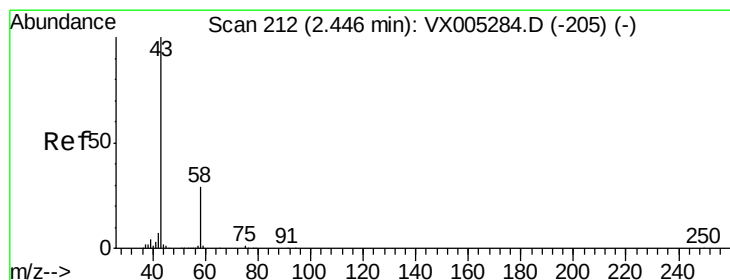
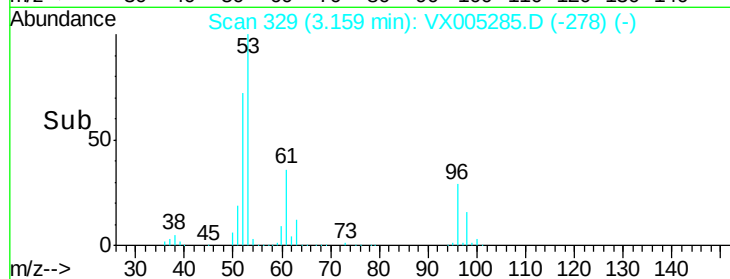
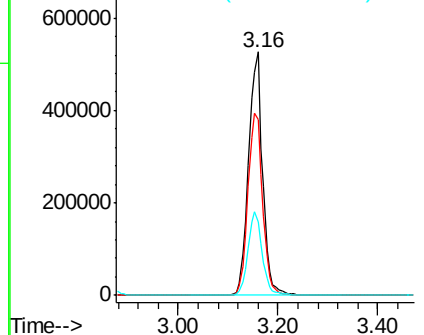
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Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 456.38 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005285.D

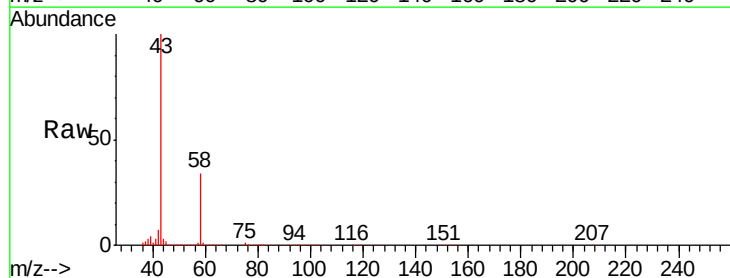
Acq: 12 Oct 2018 10:32

Tgt Ion: 43 Resp: 853755

Ion Ratio Lower Upper

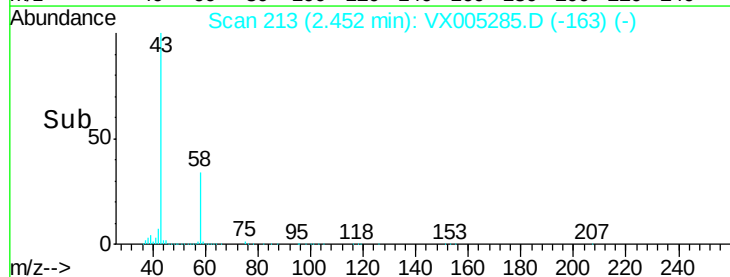
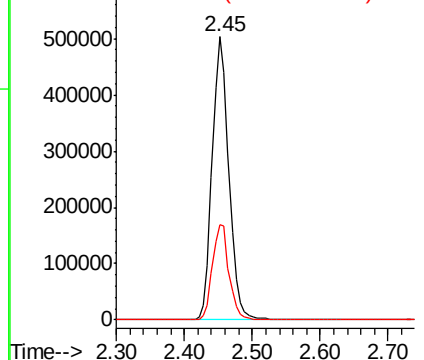
43 100

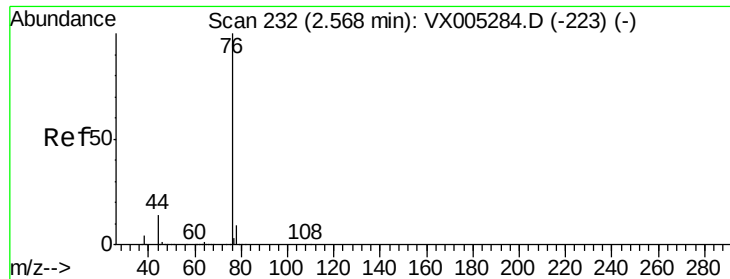
58 33.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 84.52 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 758789

Ion Ratio Lower Upper

76 100

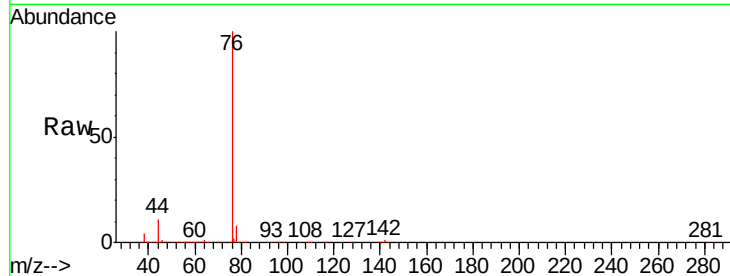
78 8.0 7.0 10.6

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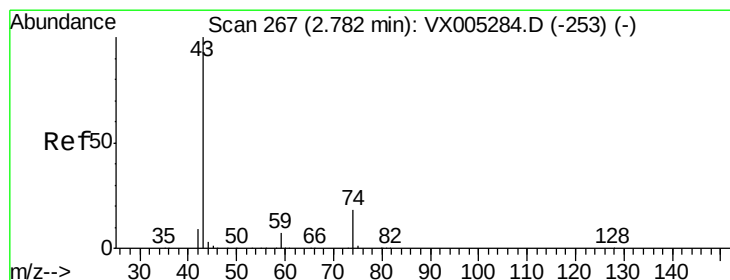
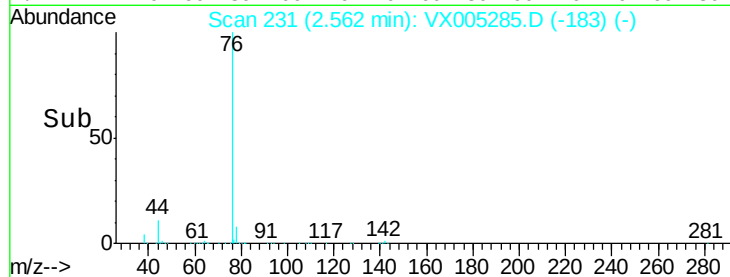
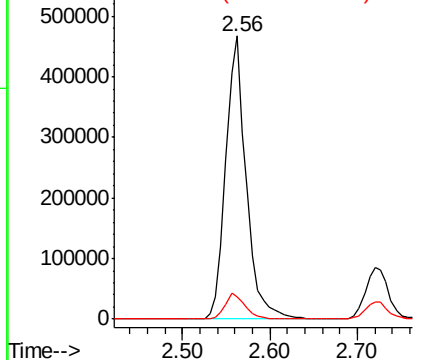
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 95.14 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005285.D

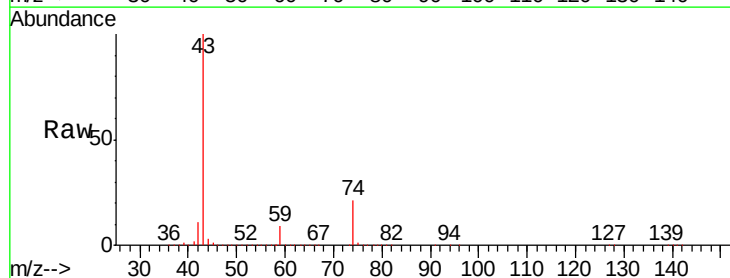
Acq: 12 Oct 2018 10:32

Tgt Ion: 43 Resp: 499327

Ion Ratio Lower Upper

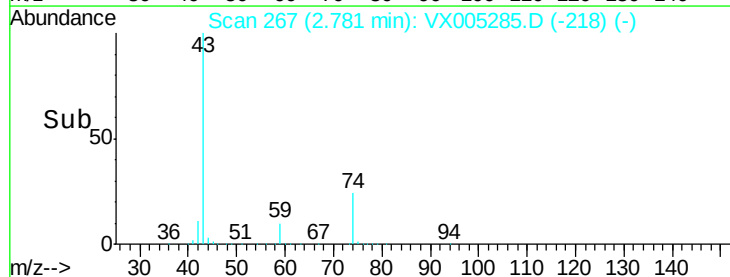
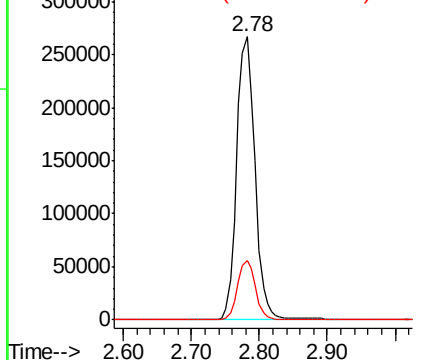
43 100

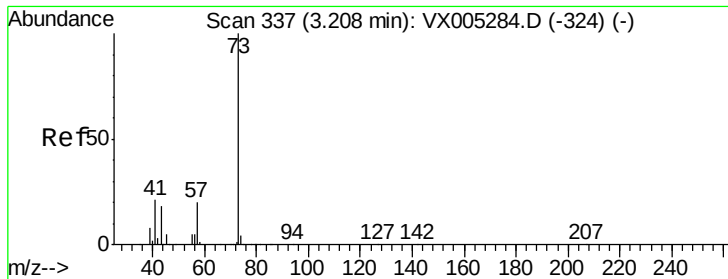
74 20.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

Methyl tert-butyl Ether

Concen: 77.77 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 847550

Ion Ratio Lower Upper

73 100

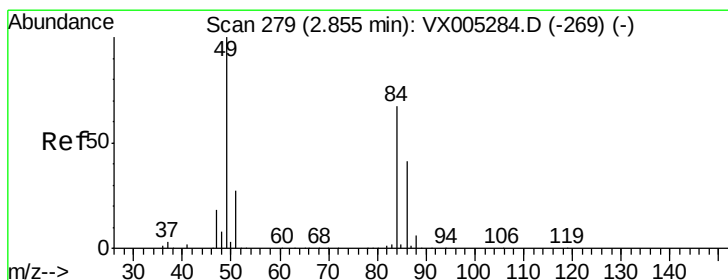
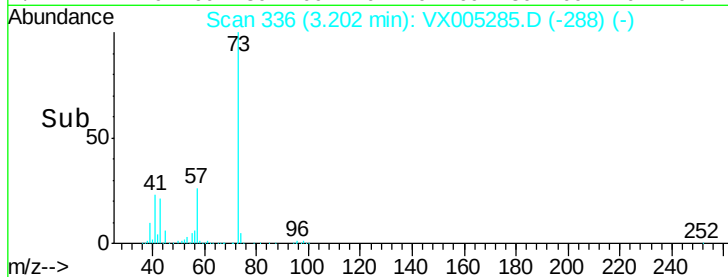
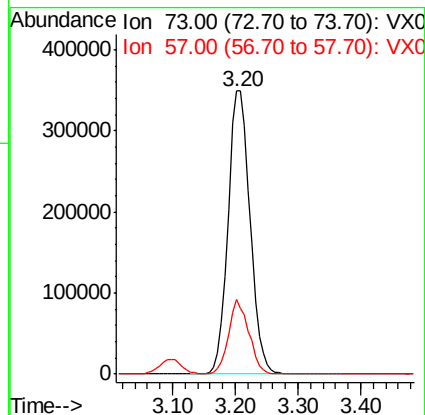
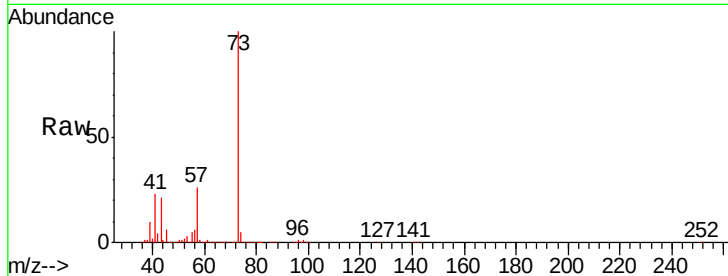
57 26.4 17.1 25.7#

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#20

Methylene Chloride

Concen: 71.19 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion: 84 Resp: 273207

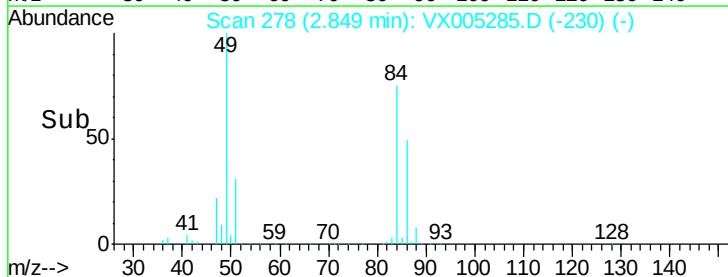
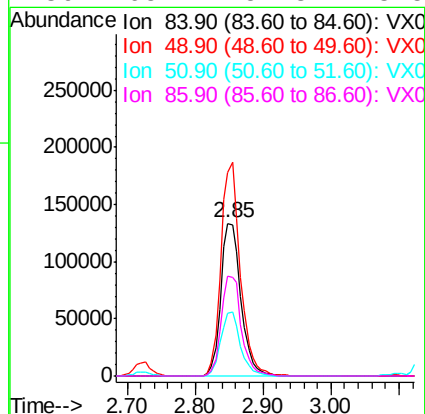
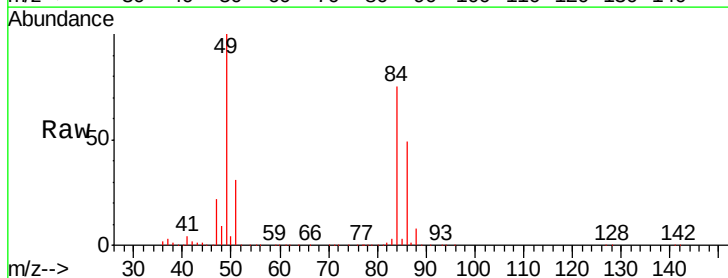
Ion Ratio Lower Upper

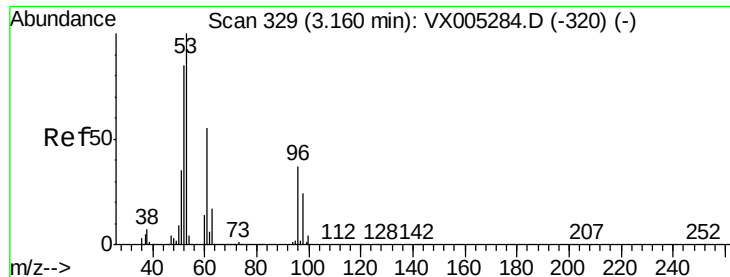
84 100

49 133.1 101.2 151.8

51 41.1 29.5 44.3

86 65.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 77.66 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

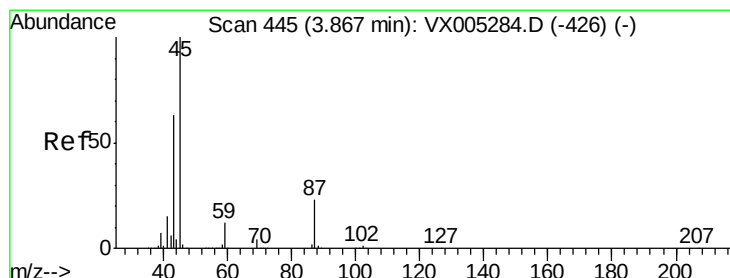
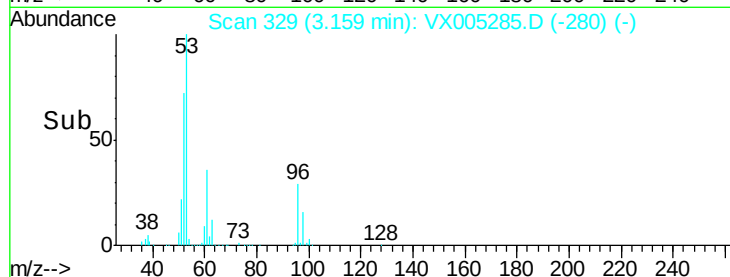
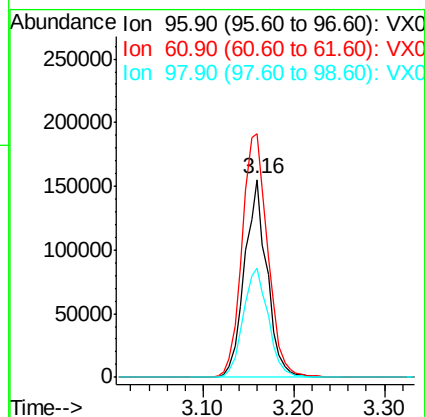
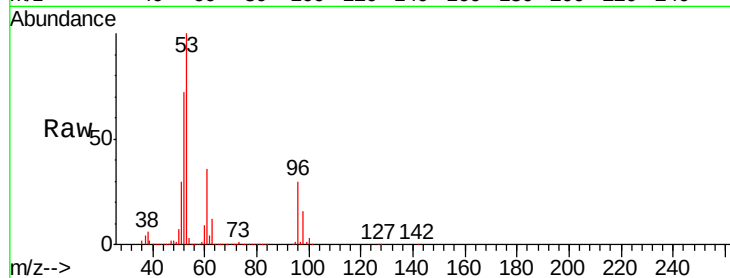
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	266524
Ion	Ratio	Lower	Upper
96	100		
61	122.8	113.8	170.6
98	54.9	51.8	77.8

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#22

Diisopropyl ether

Concen: 76.18 ug/l

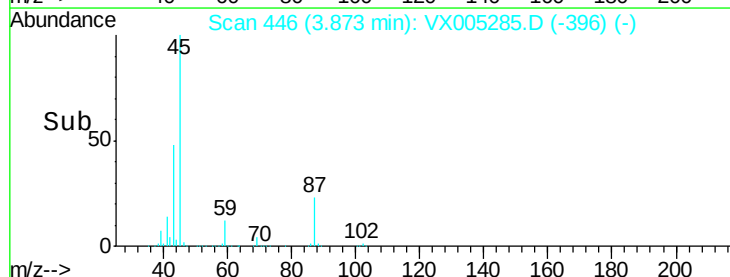
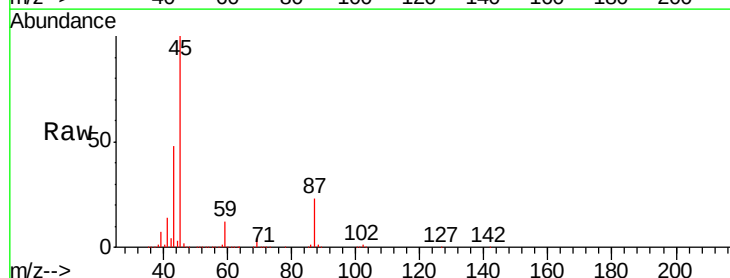
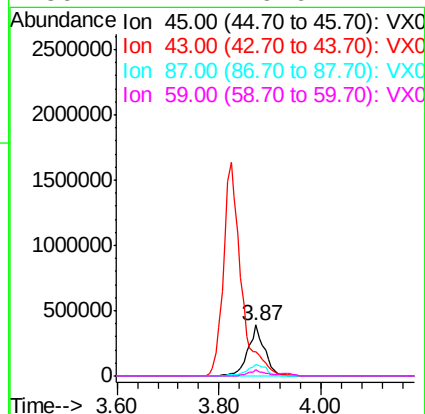
RT: 3.87 min Scan# 446

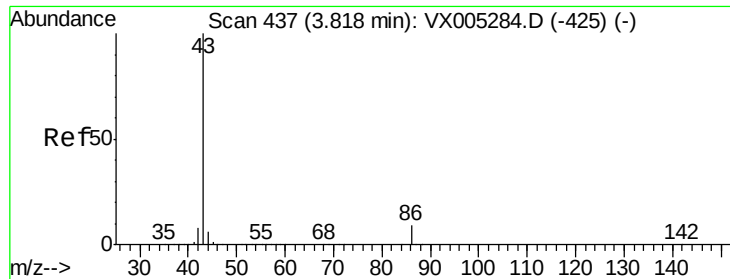
Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion:	45	Resp:	876089
Ion	Ratio	Lower	Upper
45	100		
43	47.9	42.8	64.2
87	22.9	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 421.01 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 3918206

Ion Ratio Lower Upper

43 100

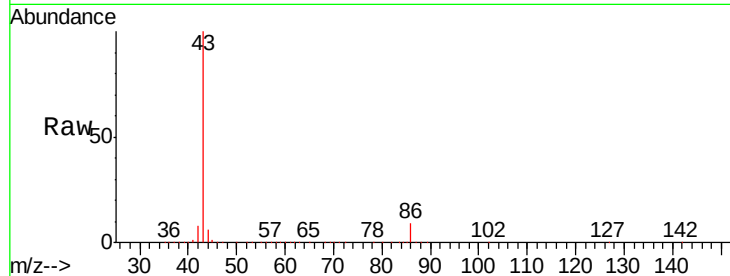
86 8.8 8.9 13.3#

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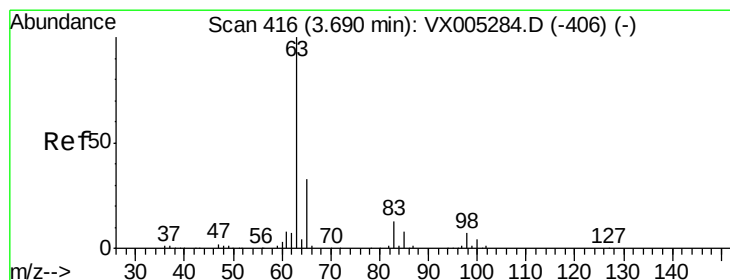
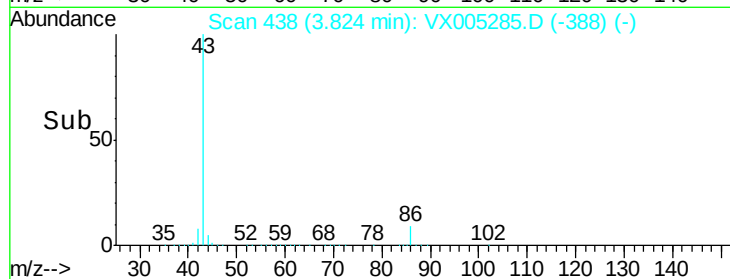
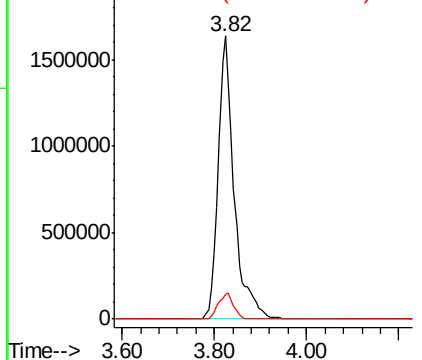
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 72.99 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

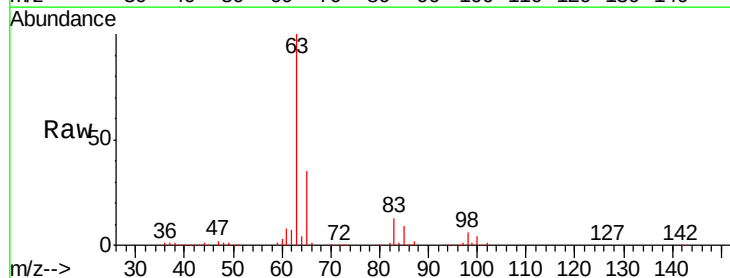
Tgt Ion: 63 Resp: 473921

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

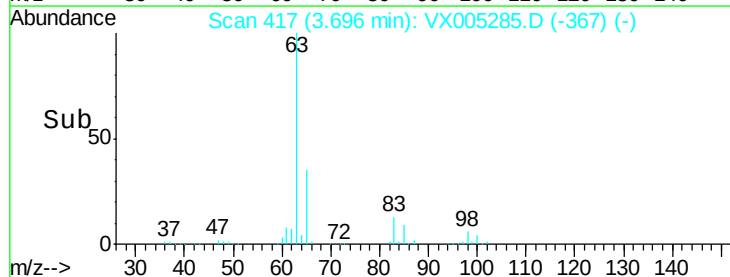
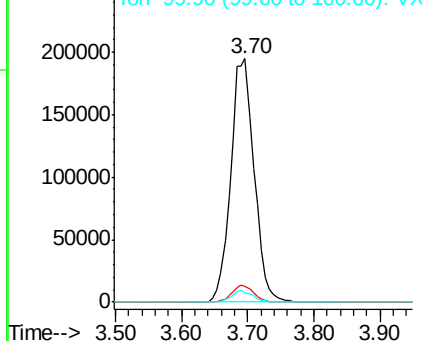
100 4.1 2.4 7.1

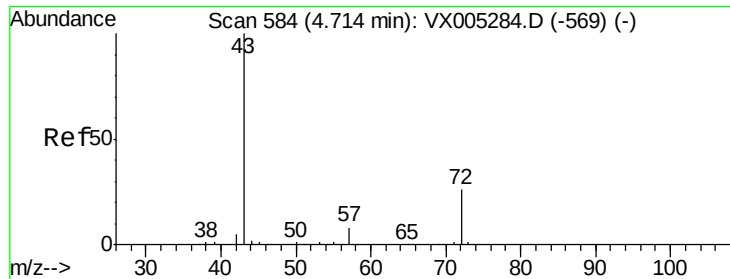


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 449.03 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1336877

Ion Ratio Lower Upper

43 100

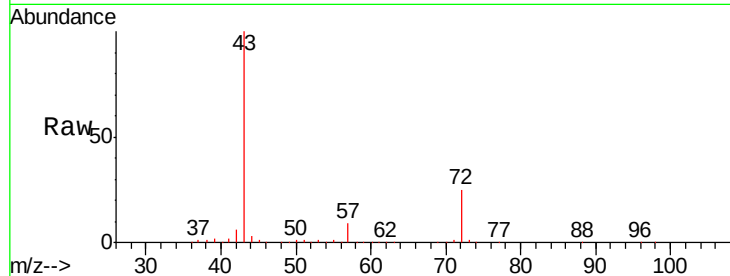
72 24.6 22.0 33.0

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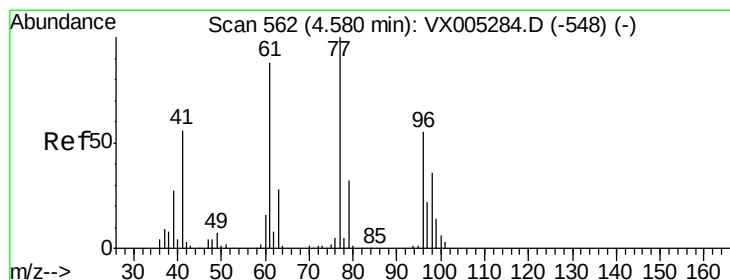
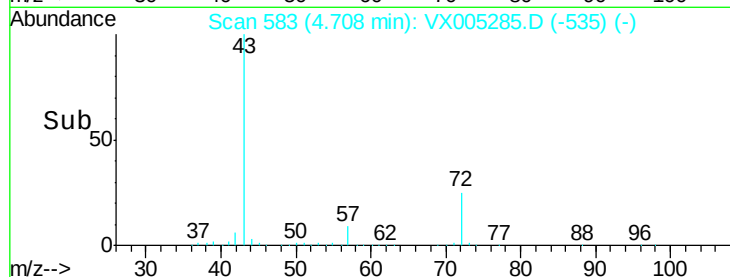
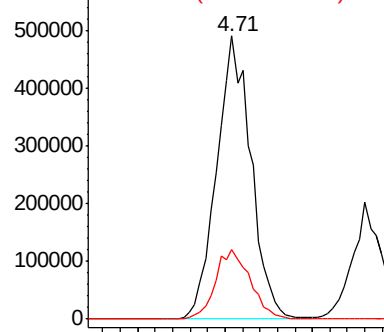
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 88.41 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX005285.D

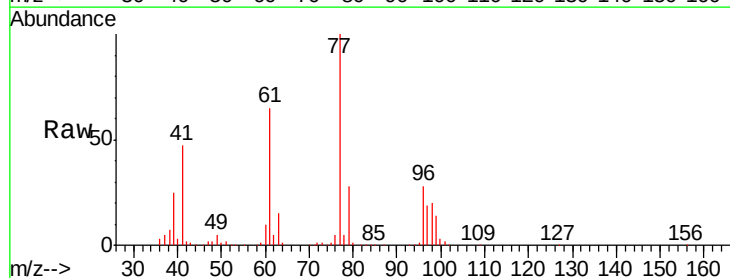
Acq: 12 Oct 2018 10:32

Tgt Ion: 77 Resp: 394257

Ion Ratio Lower Upper

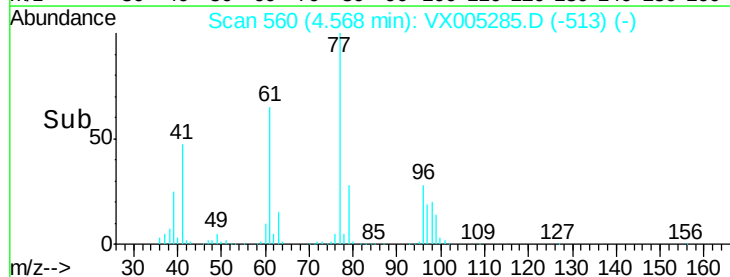
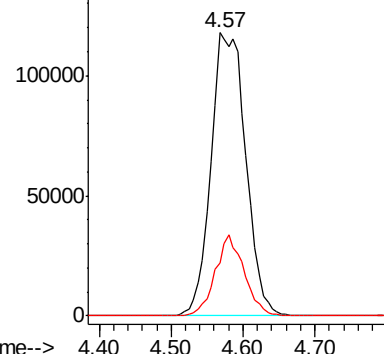
77 100

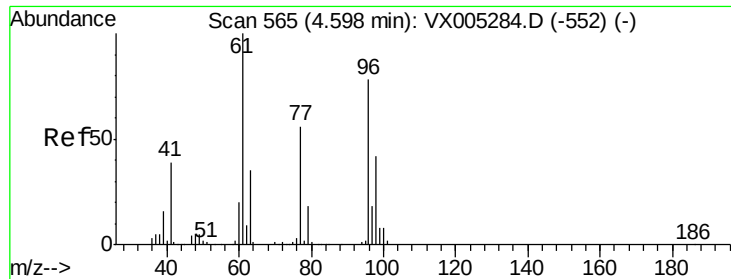
97 23.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 79.30 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

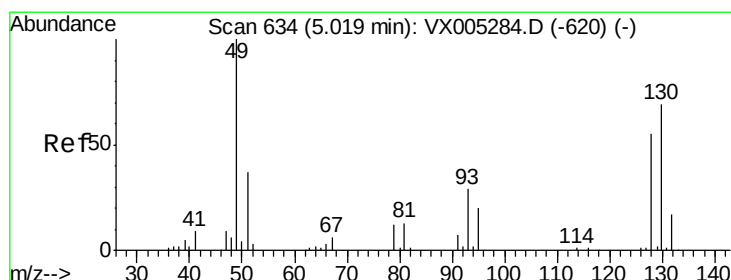
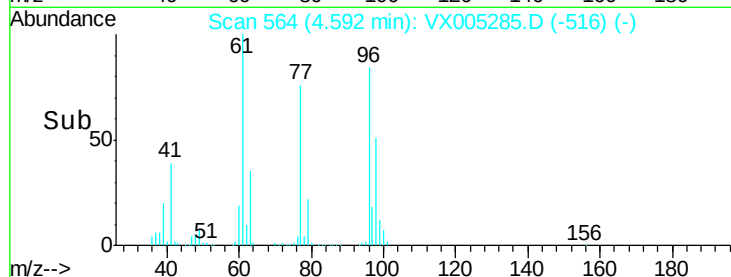
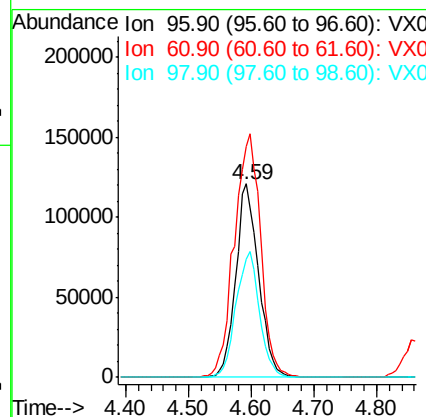
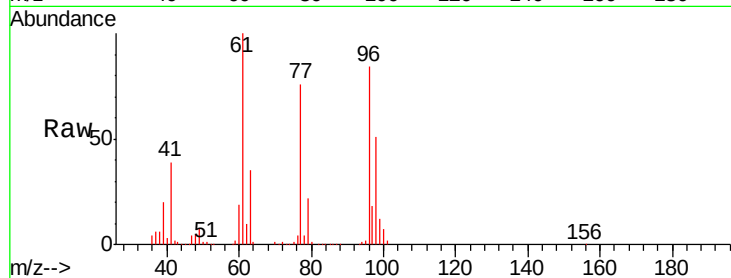
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	303825
Ion	Ratio	Lower	Upper
96	100		
61	145.4	0.0	282.6
98	67.0	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 75.81 ug/l

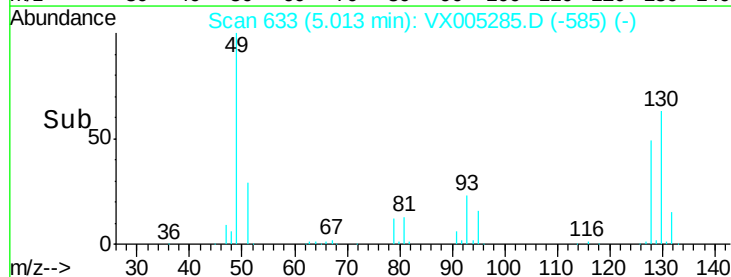
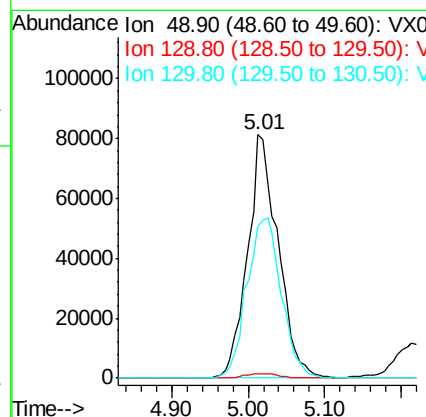
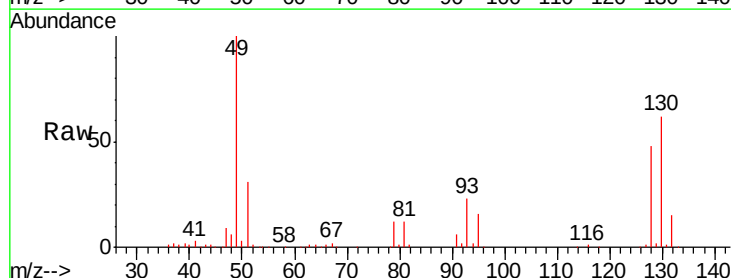
RT: 5.01 min Scan# 633

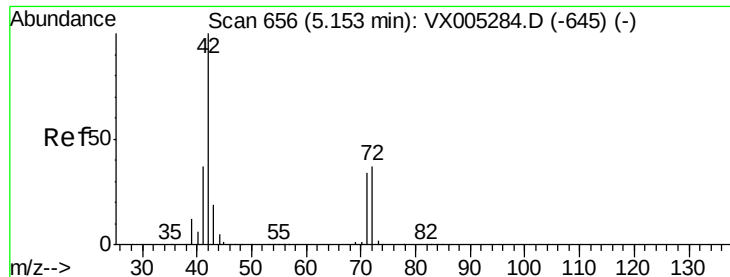
Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion:	49	Resp:	225167
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	74.1	67.5	101.3





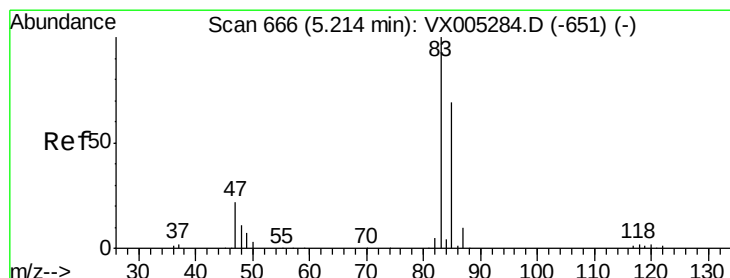
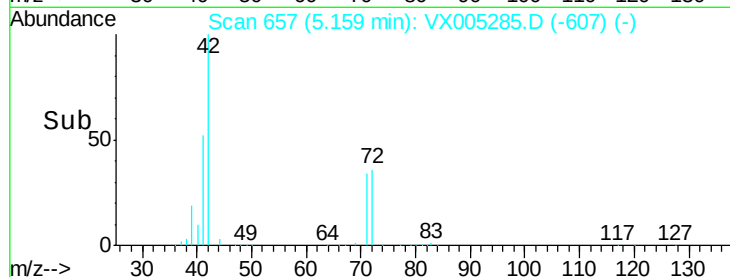
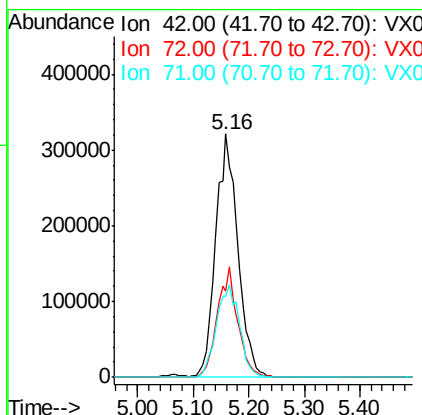
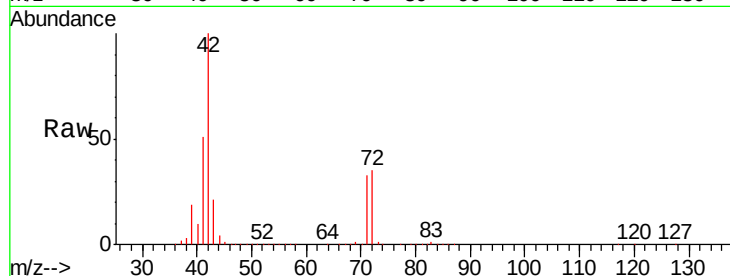
#29
Tetrahydrofuran
Concen: 491.94 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	37.4	56.0
71	39.5	34.5	51.7

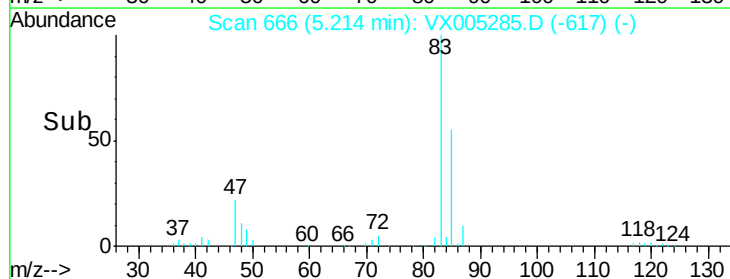
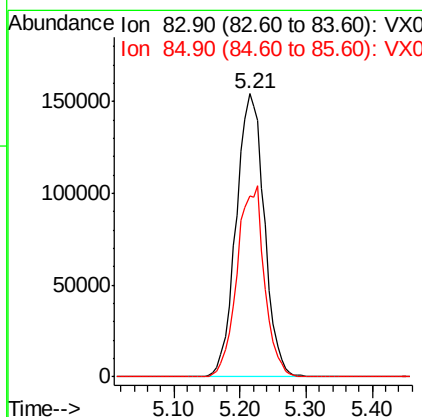
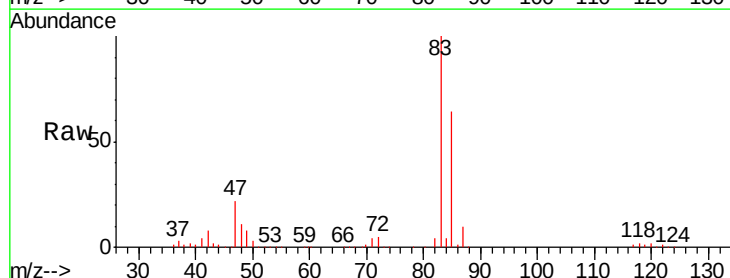
Manual Integrations
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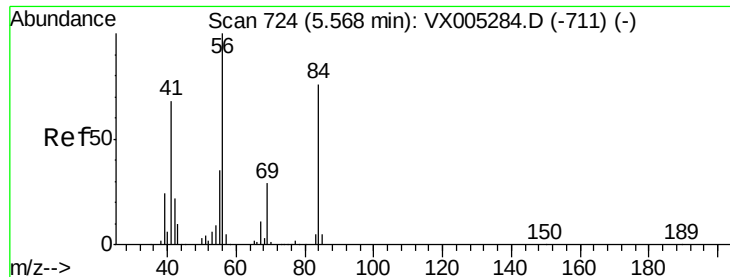
MMDadoda
10/17/2018 9:04:35 AM



#30
Chloroform
Concen: 71.90 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	79.0





#31

Cyclohexane

Concen: 85.25 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

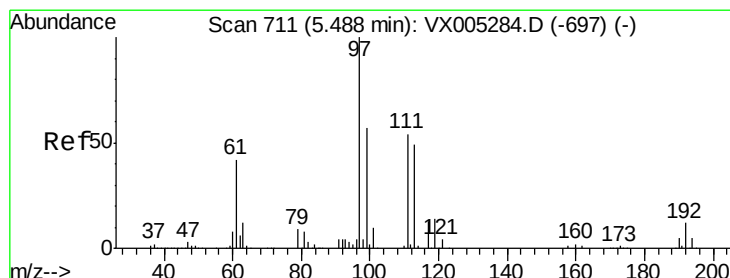
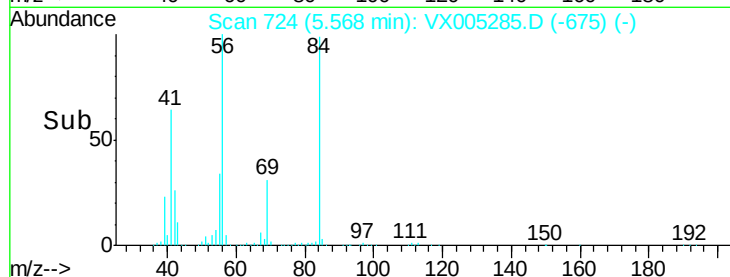
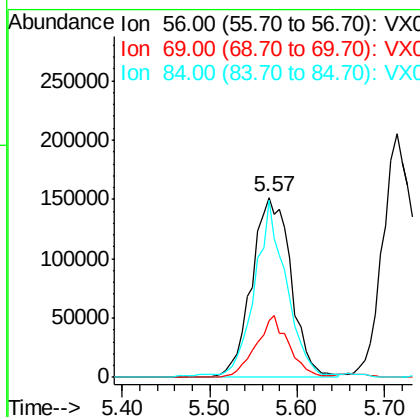
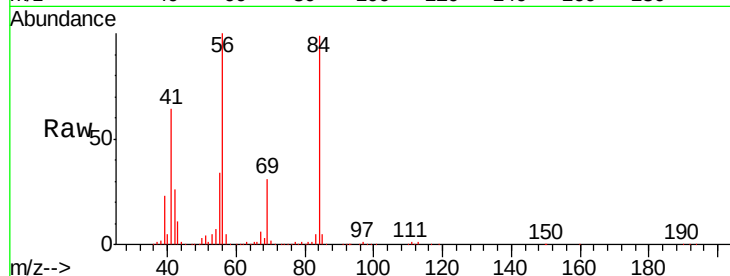
ClientSampleId :

VSTDIC100

Tgt Ion:	56	Resp:	472656
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.2
84	97.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 82.69 ug/l

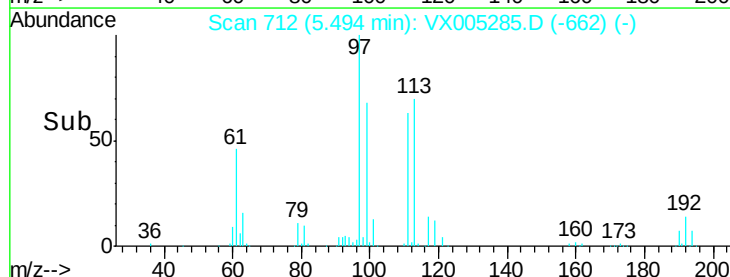
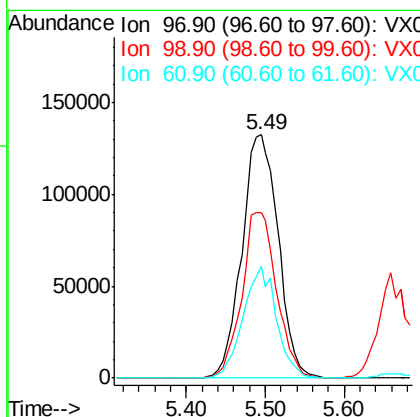
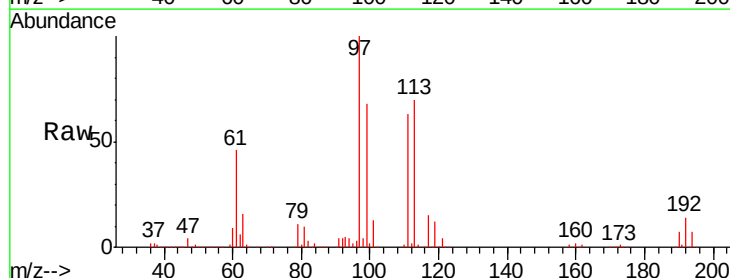
RT: 5.49 min Scan# 712

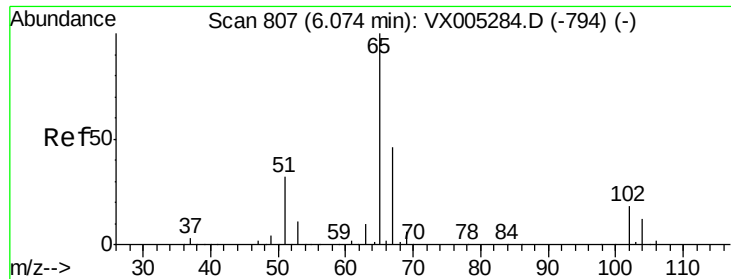
Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion:	97	Resp:	422167
Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	42.4	34.9	52.3





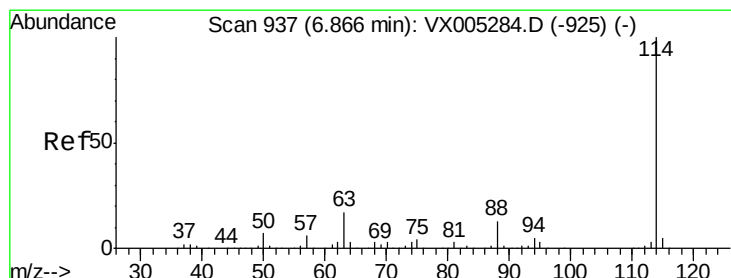
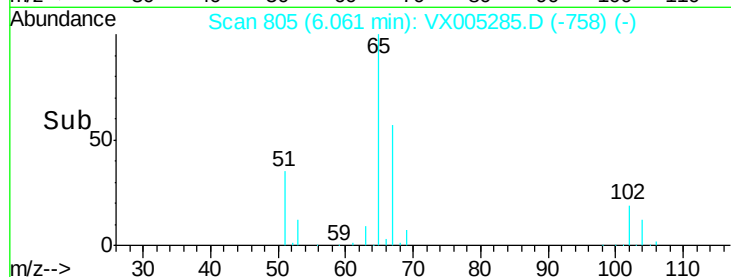
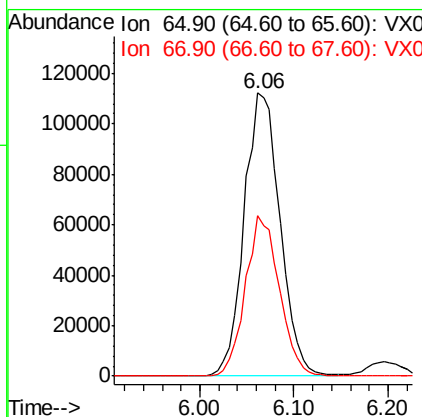
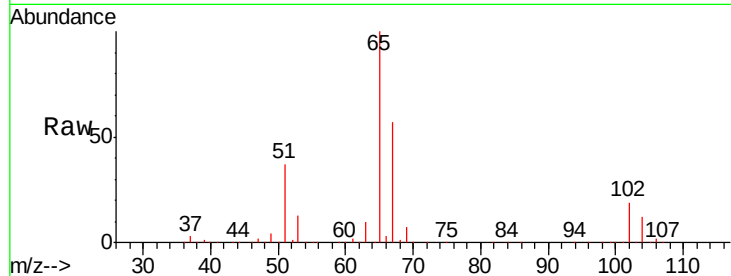
#33
 1,2-Dichloroethane-d4
 Concen: 78.35 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 300299
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8

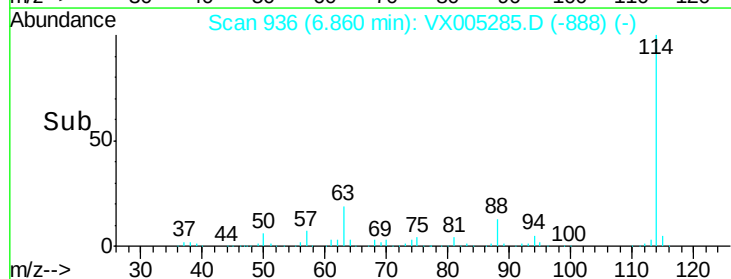
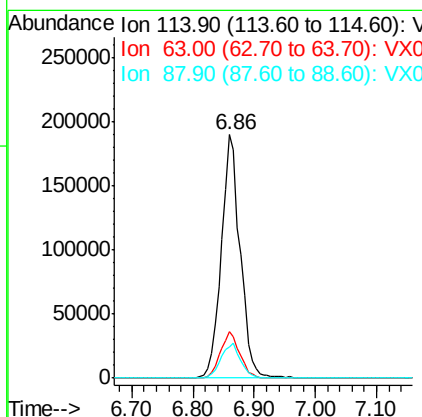
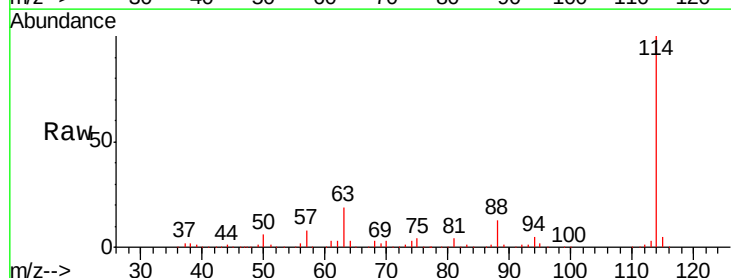
Manual Integrations
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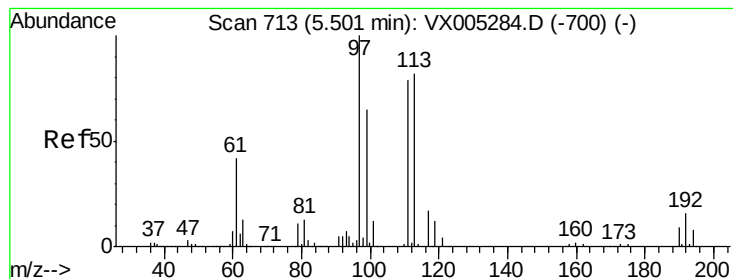
MMDadoda
 10/17/2018 9:04:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Tgt Ion: 114 Resp: 407032
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 12.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 68.40 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

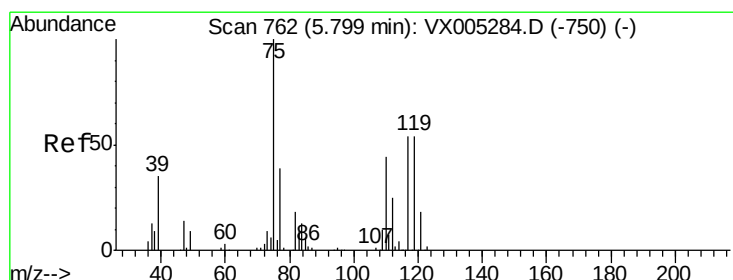
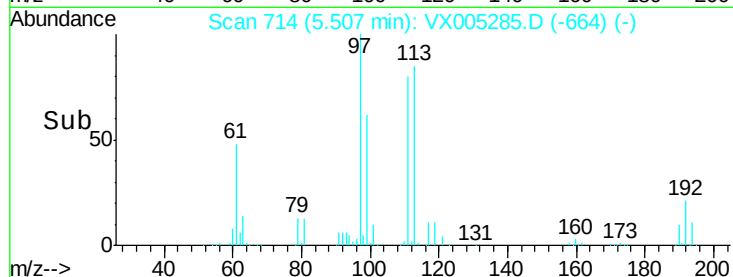
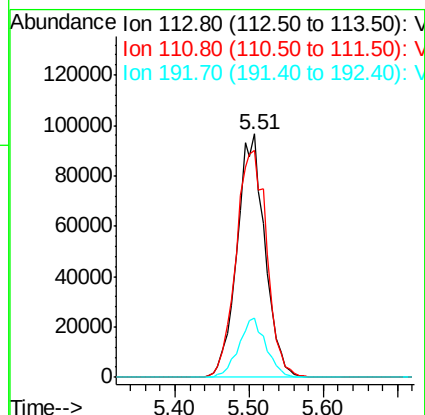
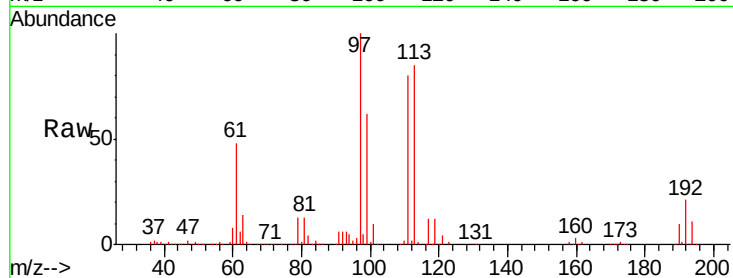
ClientSampleId :

VSTDIC100

Tgt Ion:	113	Resp:	254789
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	23.8	19.4	29.2

Manual Integrations
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MMDadoda
10/17/2018 9:04:35 AM



#36

1,1-Dichloropropene

Concen: 73.15 ug/l

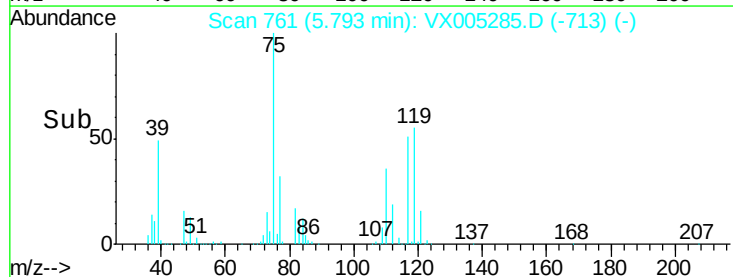
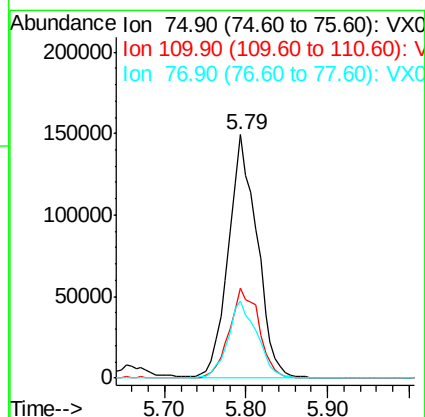
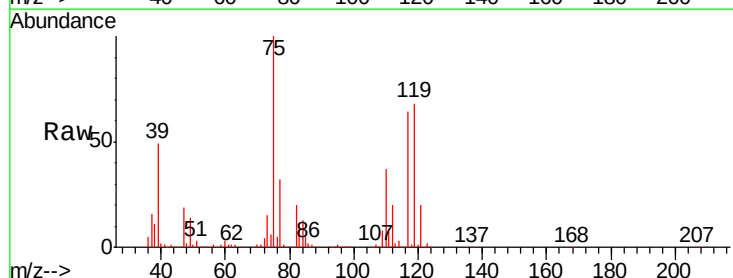
RT: 5.79 min Scan# 761

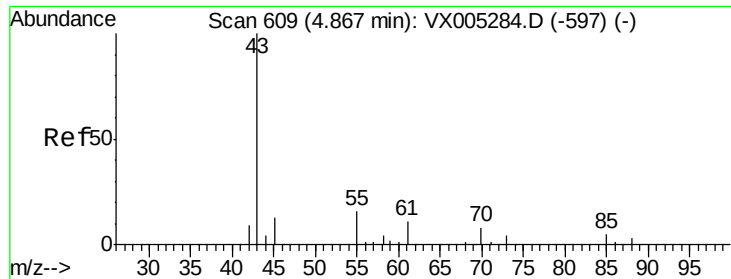
Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion:	75	Resp:	361459
Ion	Ratio	Lower	Upper
75	100		
110	38.3	18.0	54.0
77	31.7	24.6	36.8





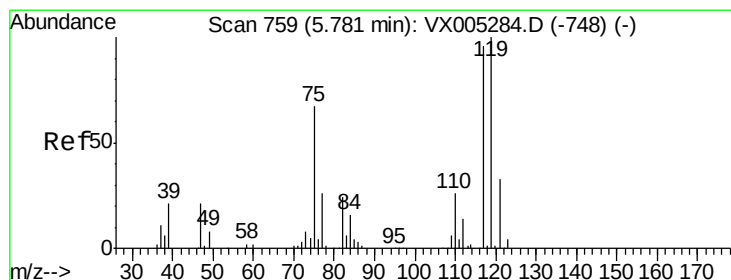
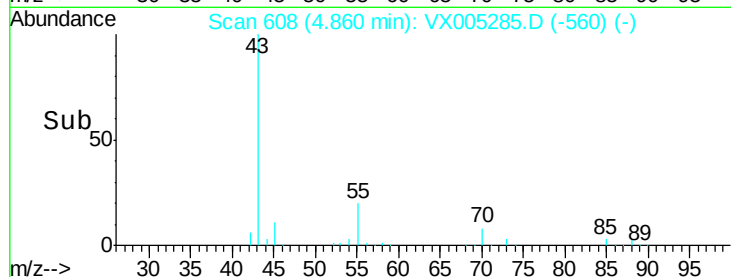
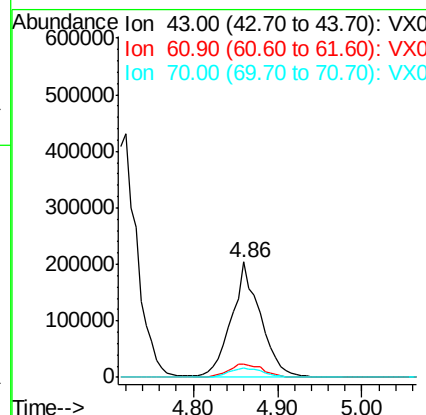
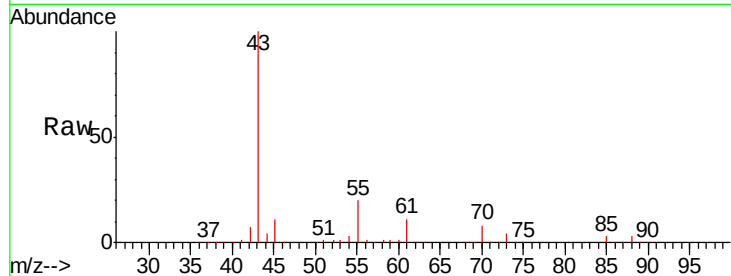
#37
Ethyl Acetate
Concen: 84.29 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.0	9.0	13.6

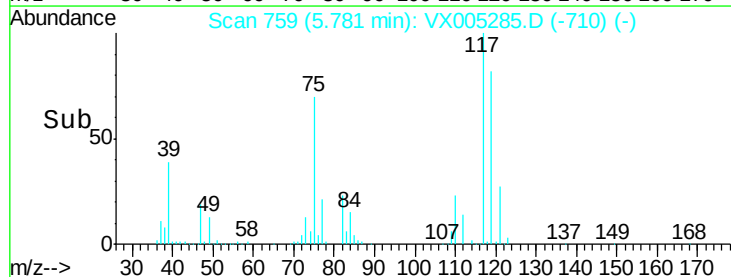
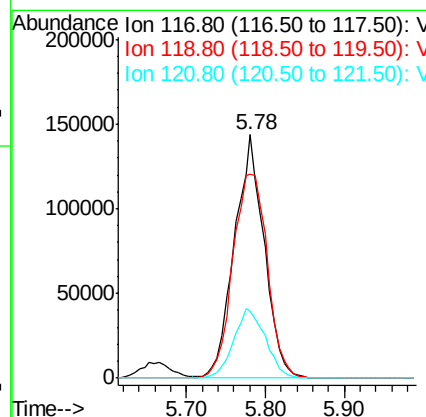
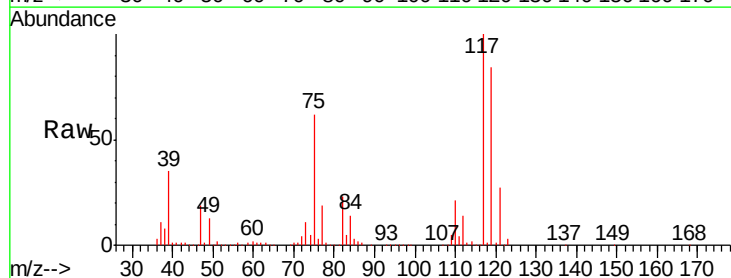
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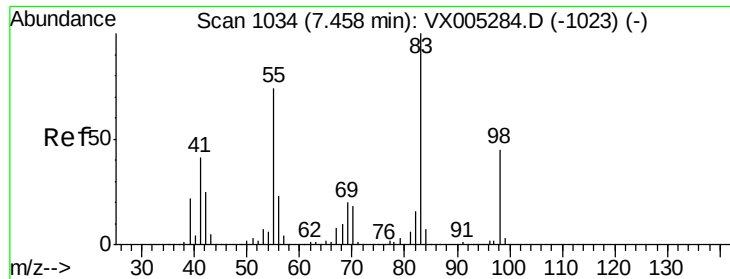
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#38
Carbon Tetrachloride
Concen: 78.37 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.0	78.8	118.2
121	27.3	24.9	37.3





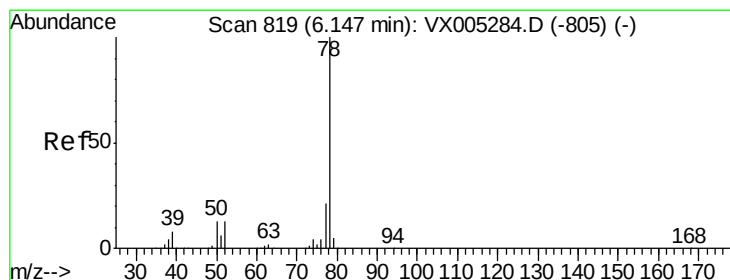
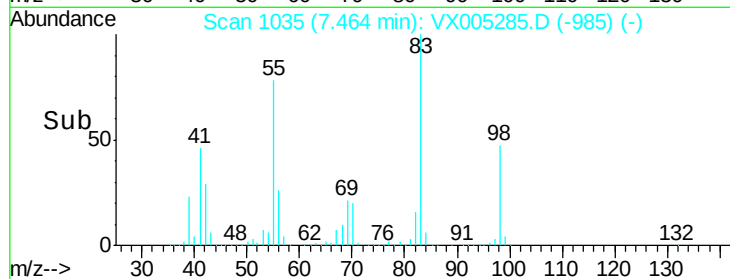
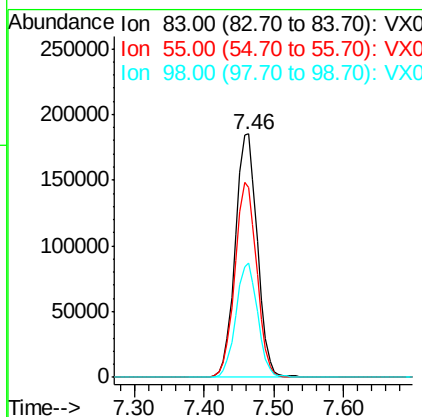
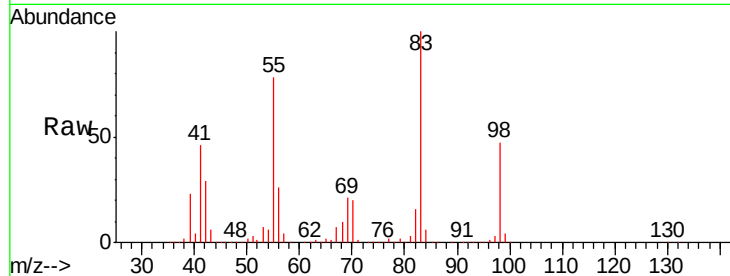
#39
Methylcyclohexane
Concen: 78.74 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.0	91.4
98	46.9	39.6	59.4

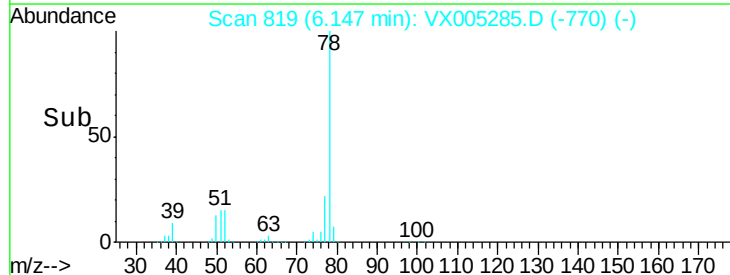
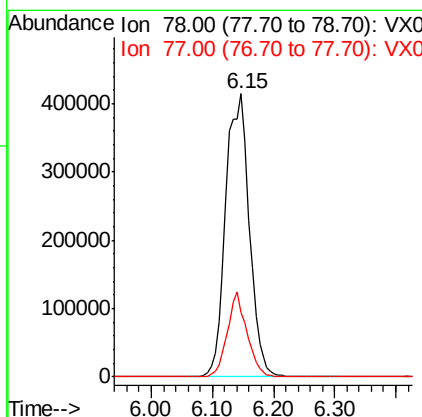
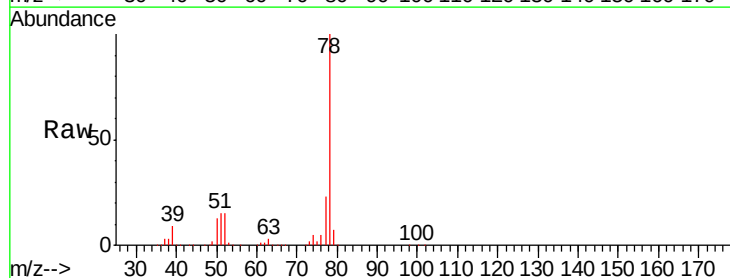
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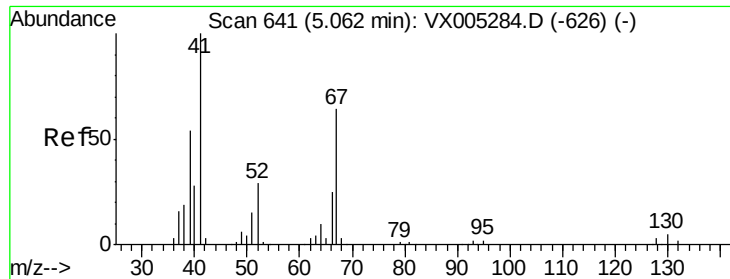
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#40
Benzene
Concen: 75.12 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





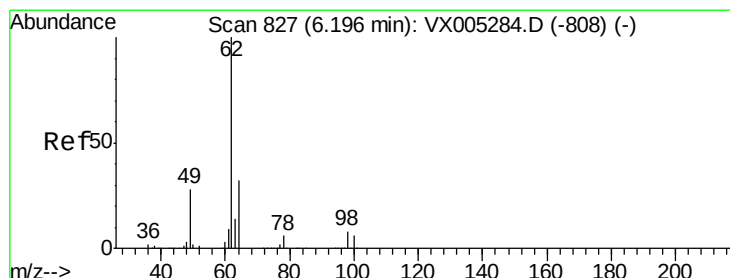
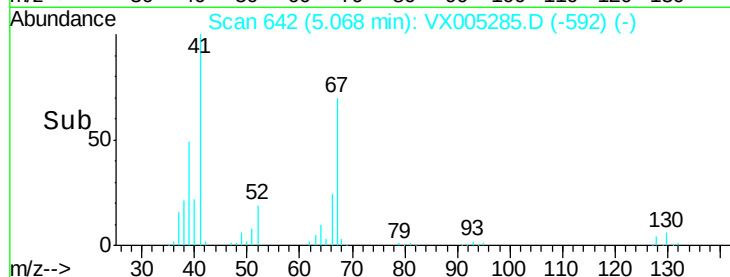
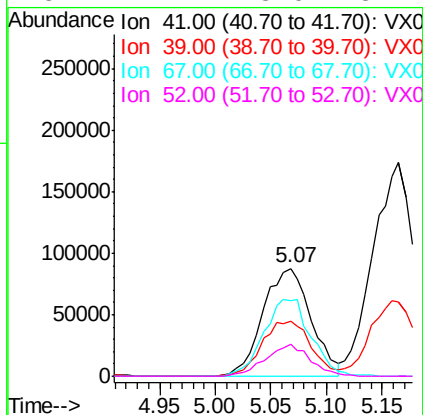
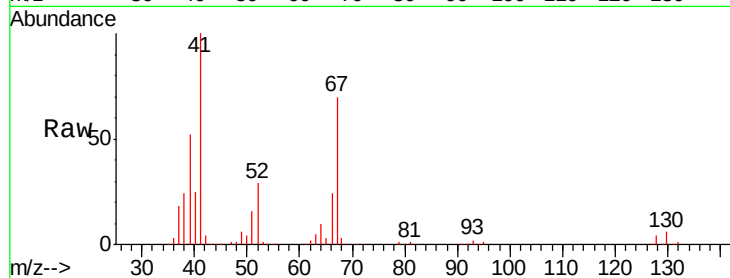
#41
Methacrylonitrile
Concen: 84.49 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.4	63.6	
67	71.0	59.2	88.8	
52	27.4	23.0	34.4	

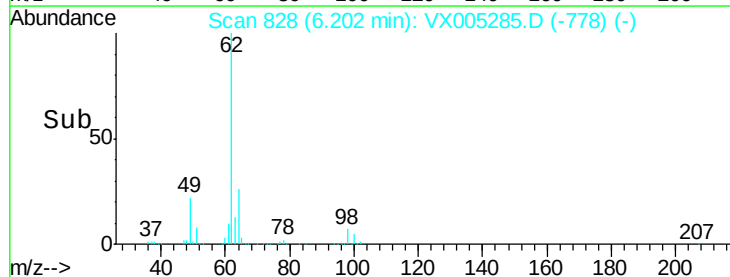
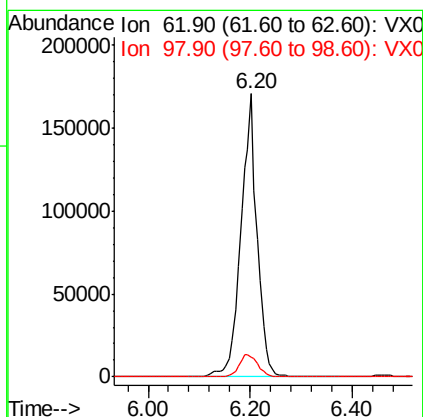
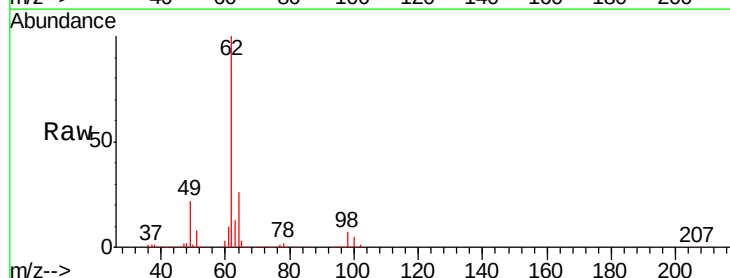
Manual Integrations
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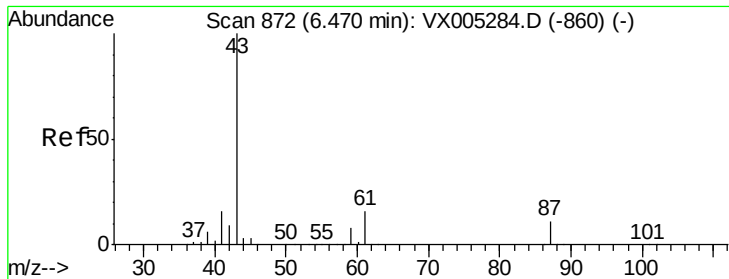
MMDadoda
10/17/2018 9:04:35 AM



#42
1,2-Dichloroethane
Concen: 76.87 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.6	





#43

Isopropyl Acetate

Concen: 89.70 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

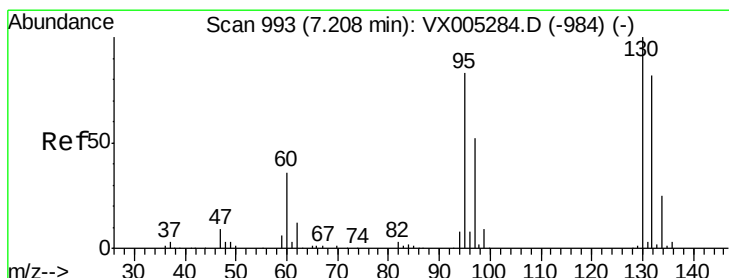
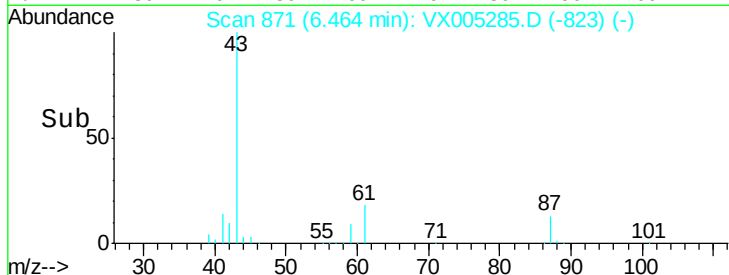
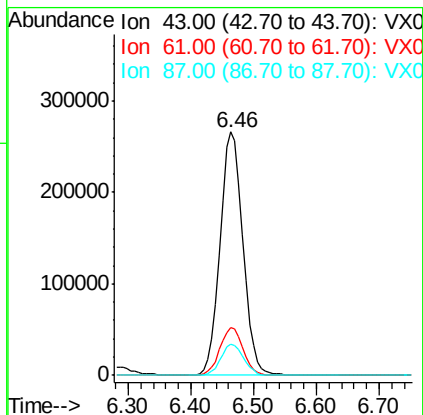
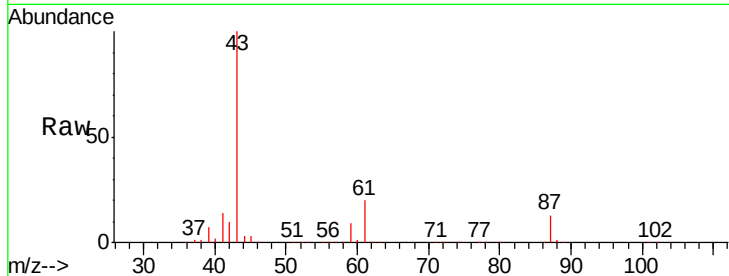
ClientSampleId :

VSTDIC100

Tgt Ion:	43	Resp:	669567
Ion	Ratio	Lower	Upper
43	100		
61	20.0	17.0	25.4
87	12.9	11.4	17.2

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#44

Trichloroethene

Concen: 79.46 ug/l

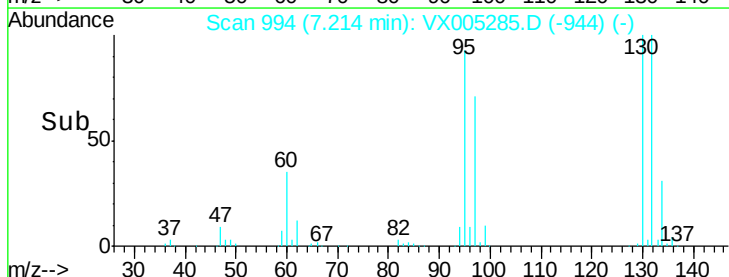
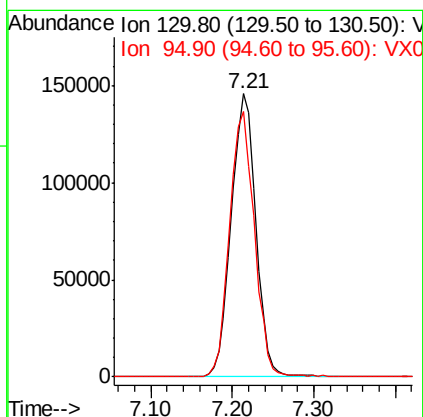
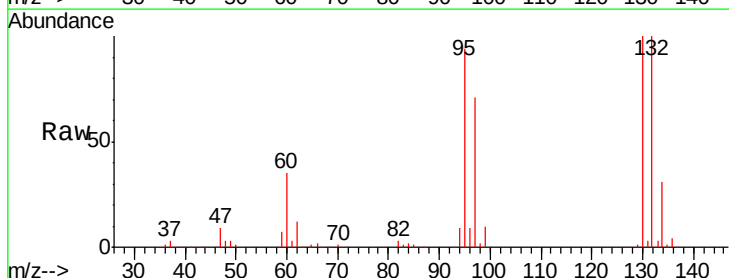
RT: 7.21 min Scan# 994

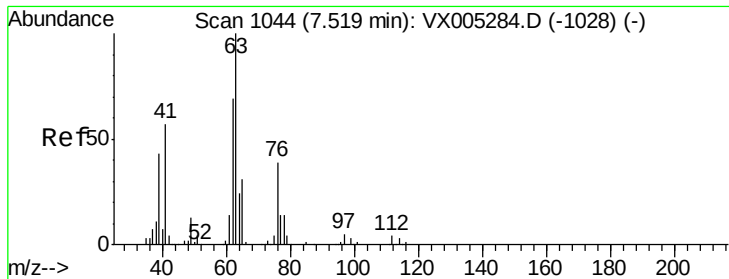
Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion:	130	Resp:	302670
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	181.6





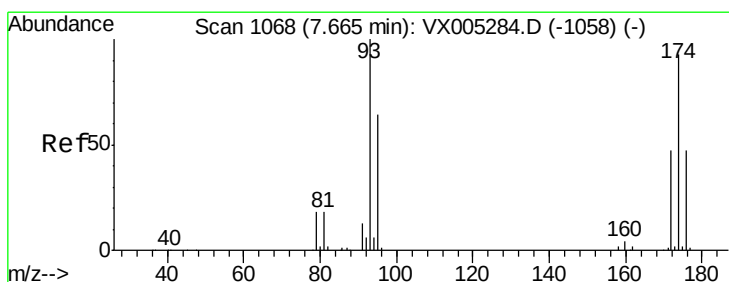
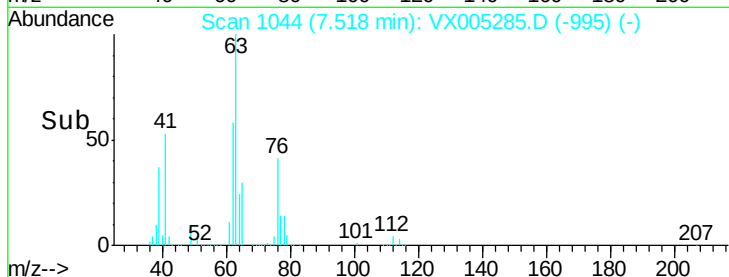
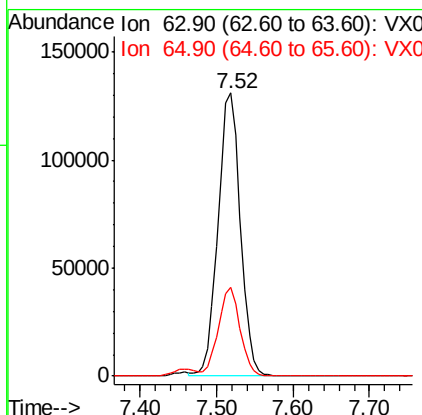
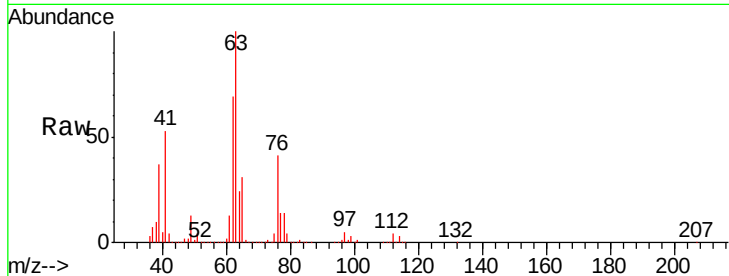
#45
1,2-Dichloropropane
Concen: 75.03 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 63 Resp: 264722
Ion Ratio Lower Upper
63 100
65 31.3 24.3 36.5

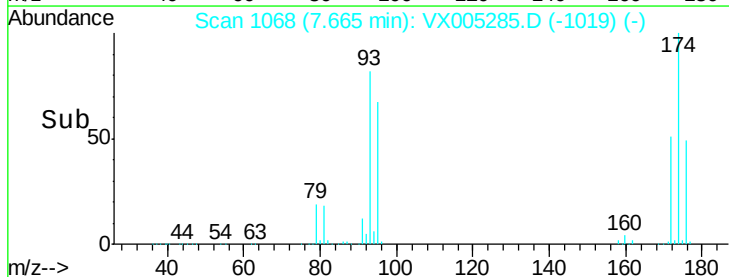
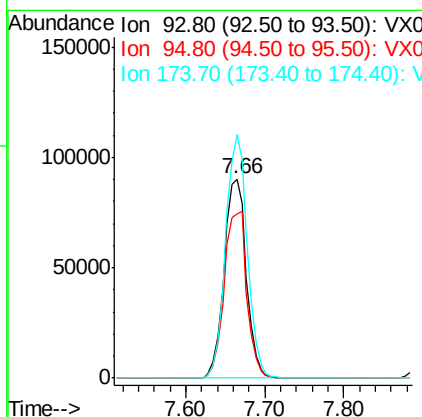
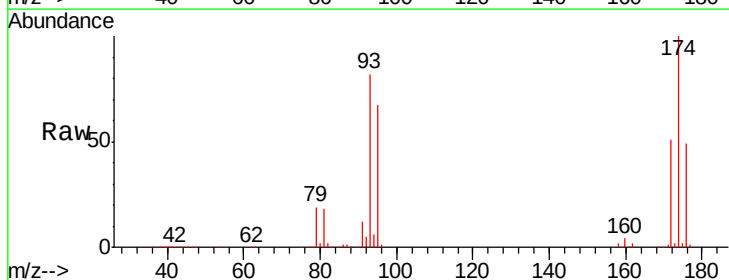
Manual Integrations
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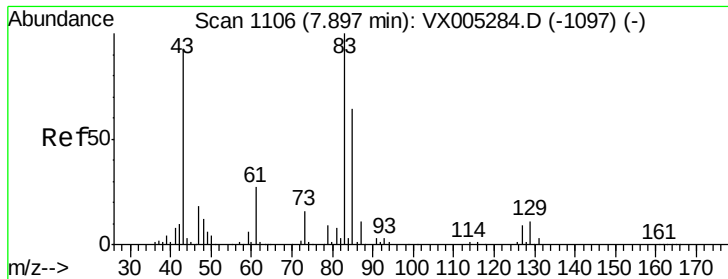
MMDadoda
10/17/2018 9:04:35 AM



#46
Dibromomethane
Concen: 79.45 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion: 93 Resp: 177084
Ion Ratio Lower Upper
93 100
95 85.5 65.5 98.3
174 118.9 94.2 141.4





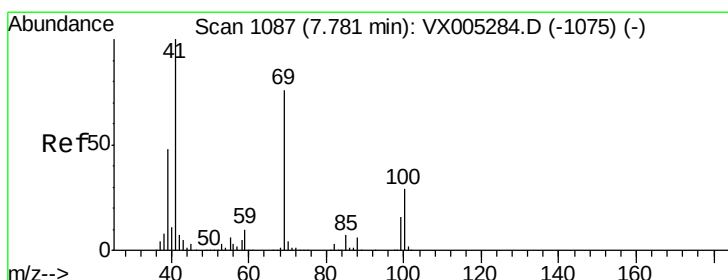
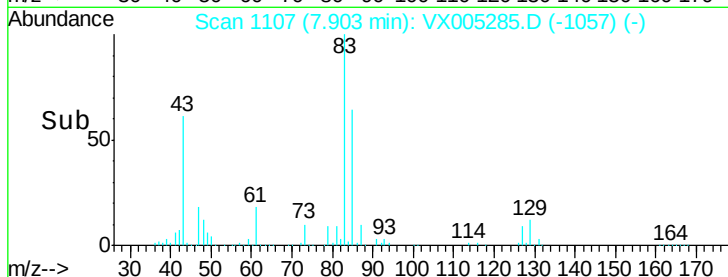
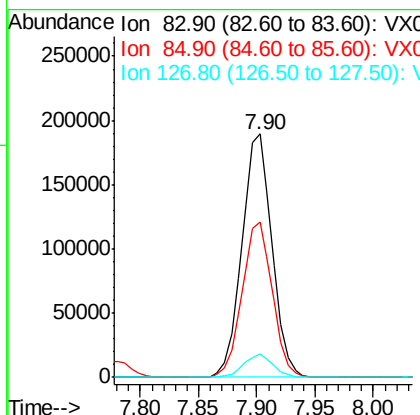
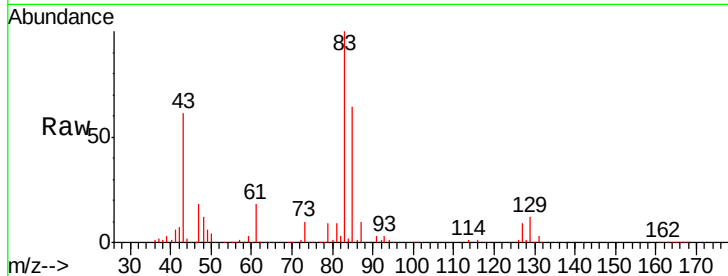
#47
Bromodichloromethane
Concen: 80.70 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	340136		
85	63.8	50.9	76.3	
127	9.5	7.3	10.9	

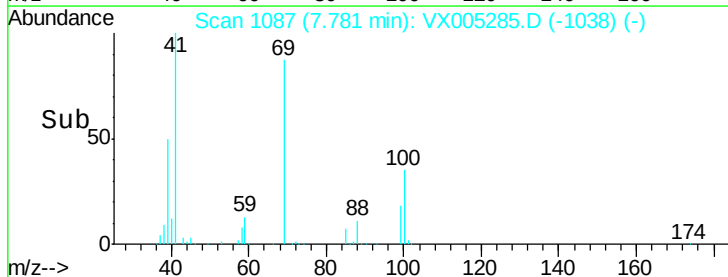
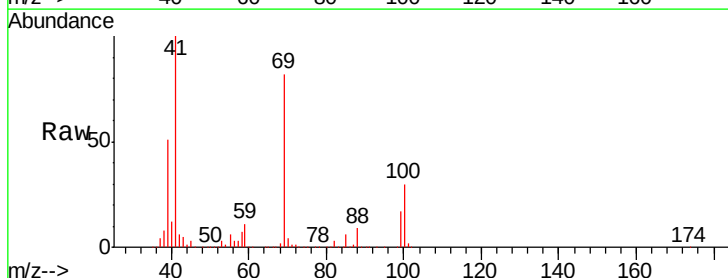
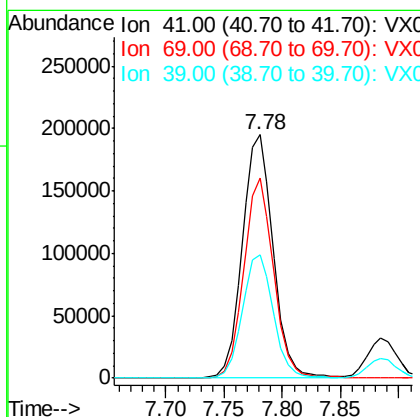
Manual Integrations
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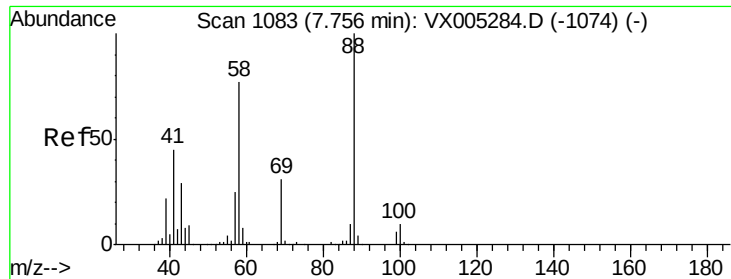
MMDadoda
10/17/2018 9:04:35 AM



#48
Methyl methacrylate
Concen: 96.90 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	357962		
69	80.3	70.2	105.4	
39	51.0	42.7	64.1	





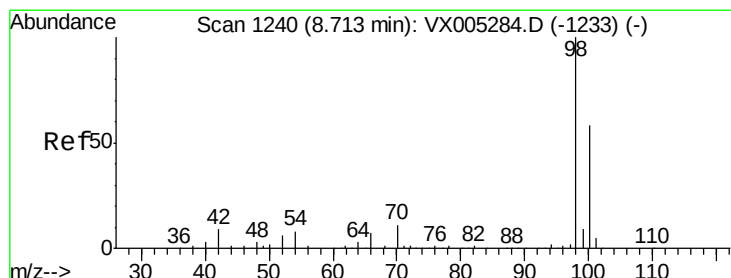
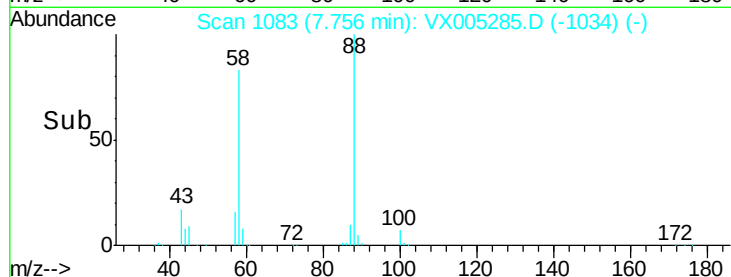
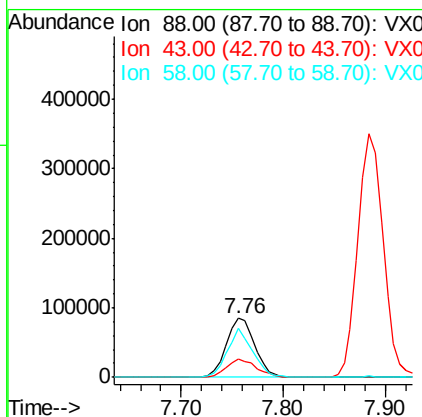
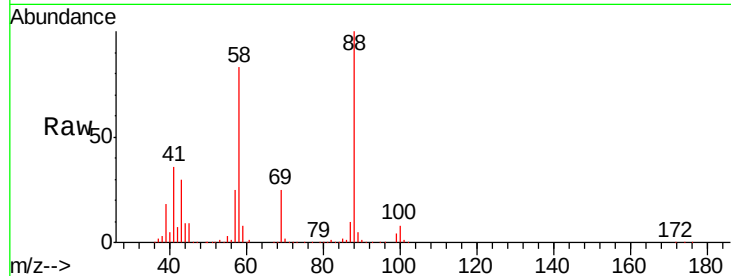
#49
1,4-Dioxane
Concen: 1865.00 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.7	37.1
58	74.3	55.3	82.9

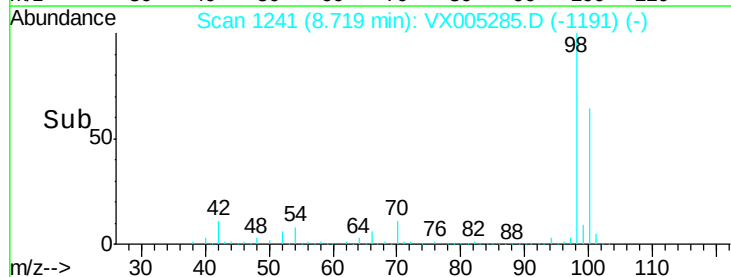
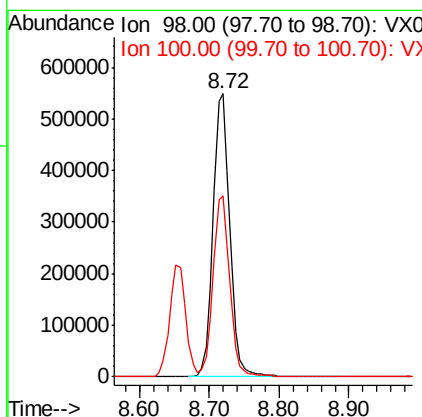
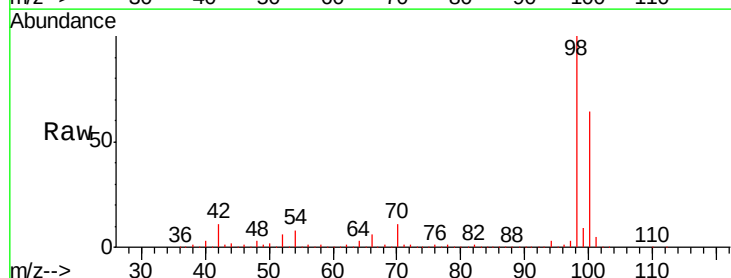
Manual Integrations
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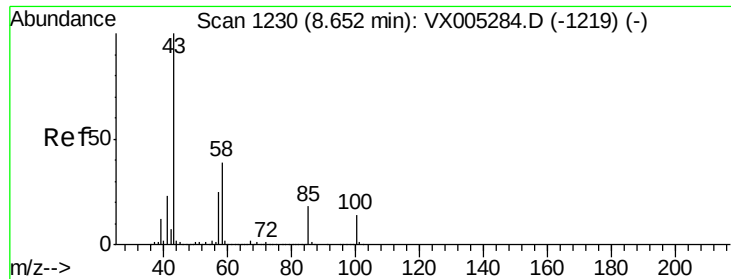
MMDadoda
10/17/2018 9:04:35 AM



#50
Toluene-d8
Concen: 72.97 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 457.03 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2407597

Ion Ratio Lower Upper

43 100

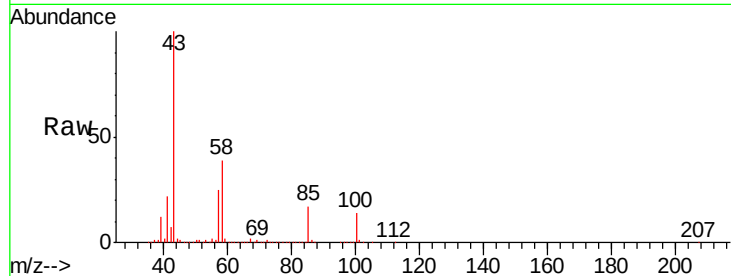
58 38.4 33.1 49.7

Manual Integrations

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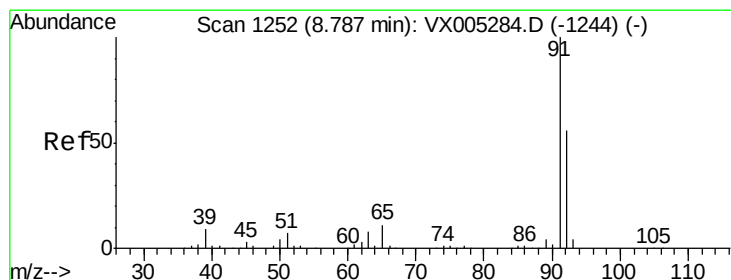
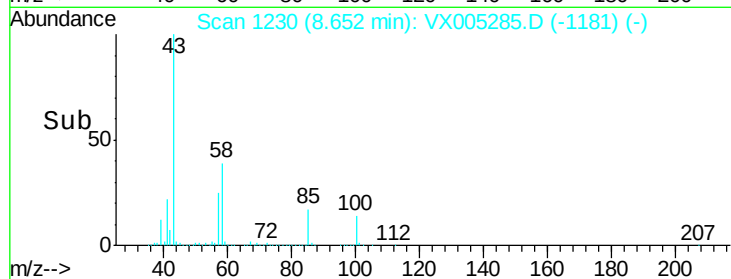
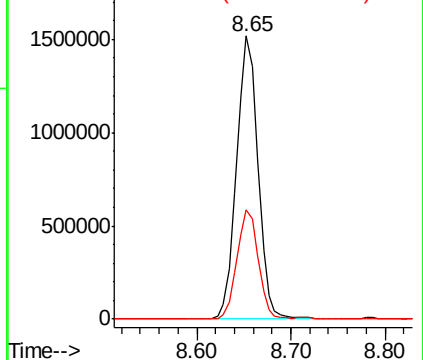
MMDadoda

10/17/2018 9:04:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 74.42 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005285.D

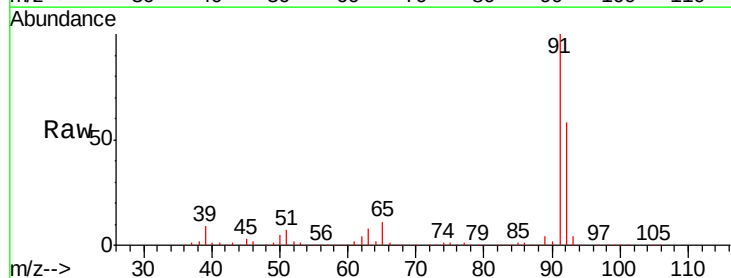
Acq: 12 Oct 2018 10:32

Tgt Ion: 92 Resp: 642850

Ion Ratio Lower Upper

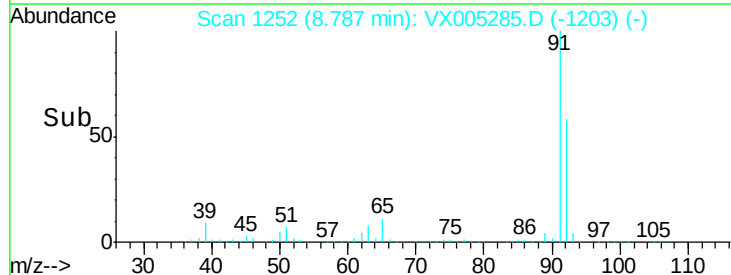
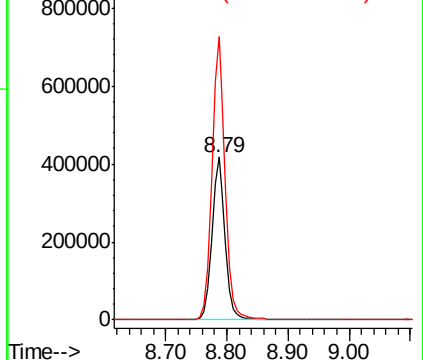
92 100

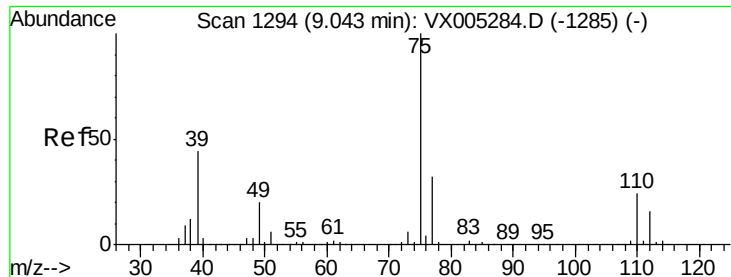
91 173.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





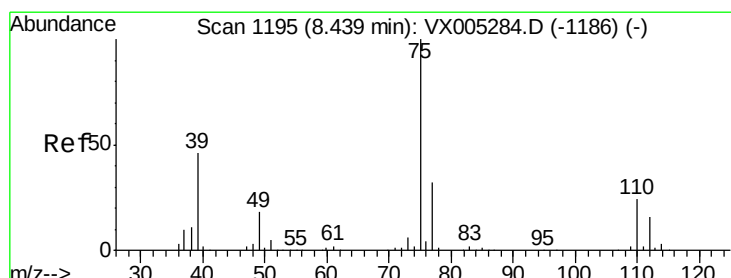
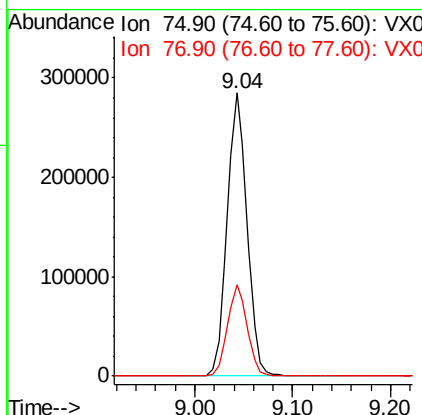
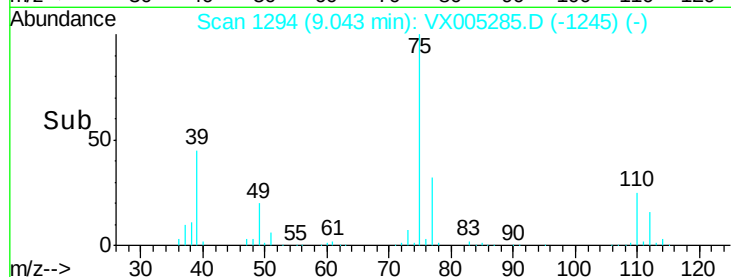
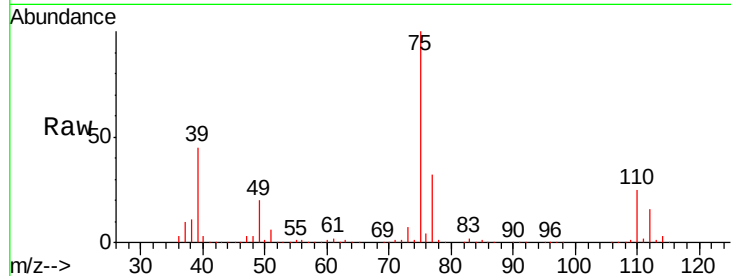
#53
t-1,3-Dichloropropene
Concen: 81.45 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 401023
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0

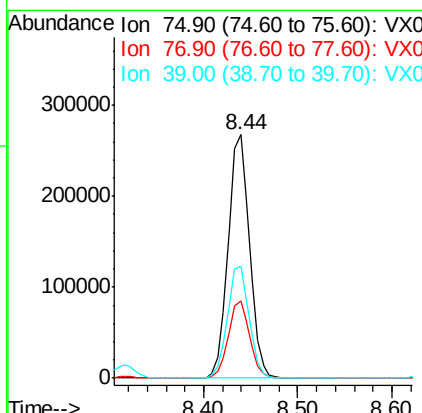
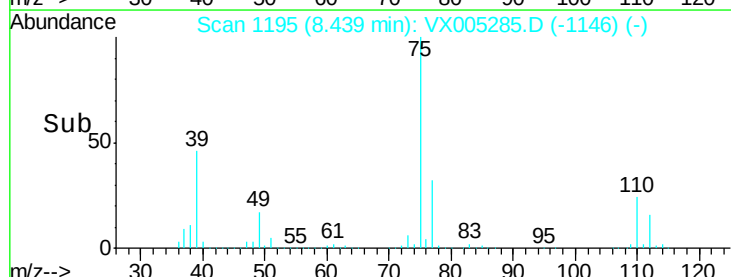
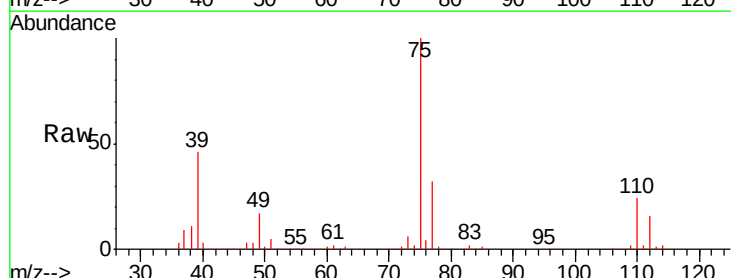
Manual Integrations
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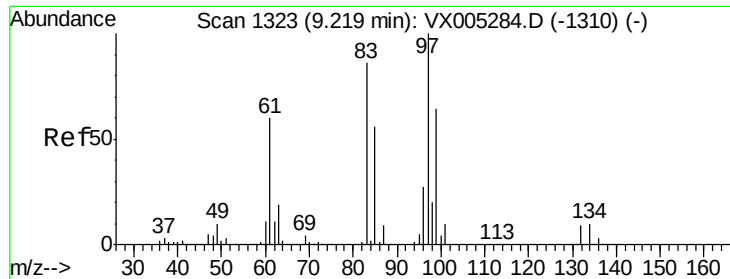
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#54
cis-1,3-Dichloropropene
Concen: 84.07 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion: 75 Resp: 421982
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 46.1 36.4 54.6





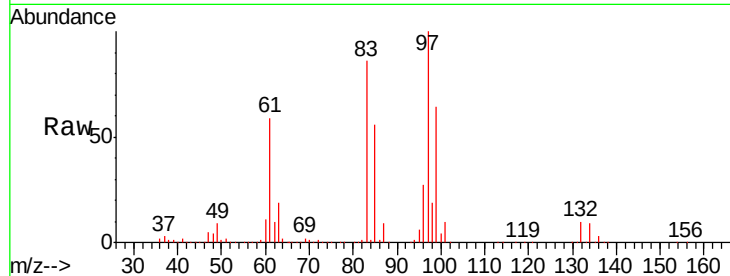
#55
 1,1,2-Trichloroethane
 Concen: 70.52 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.4	99.6
85	55.7	43.3	64.9
99	63.7	49.0	73.4

Manual Integrations
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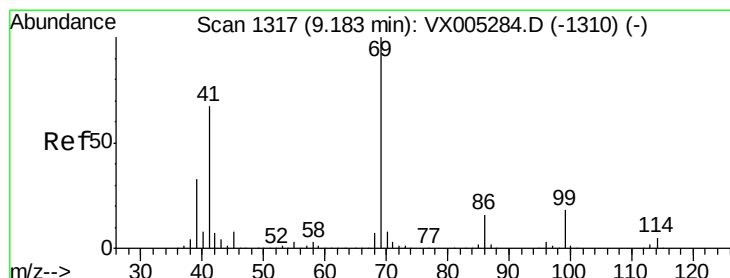
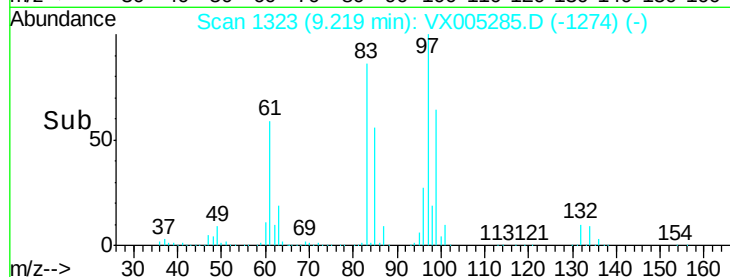
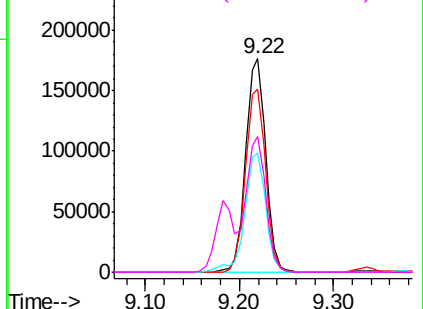


Abundance Ion 96.90 (96.60 to 97.60): VX005285.D (-1274) (-)

Ion 82.90 (82.60 to 83.60): VX005285.D (-1274) (-)

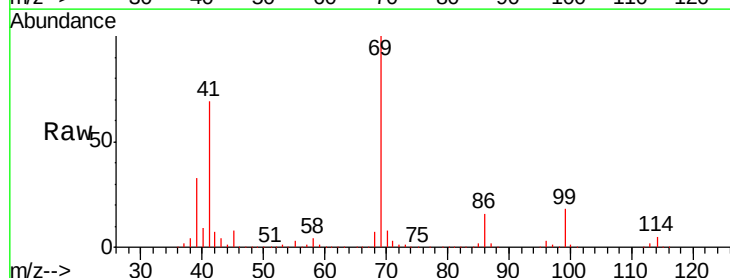
Ion 84.90 (84.60 to 85.60): VX005285.D (-1274) (-)

Ion 98.90 (98.60 to 99.60): VX005285.D (-1274) (-)



#56
 Ethyl methacrylate
 Concen: 83.52 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

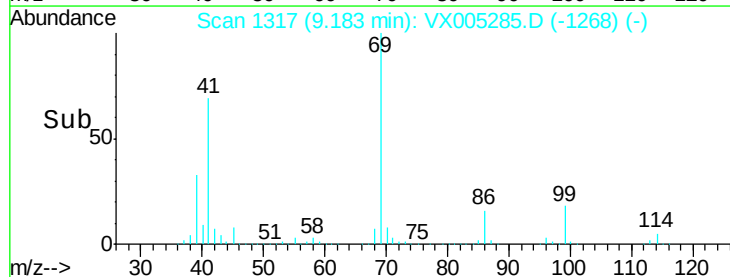
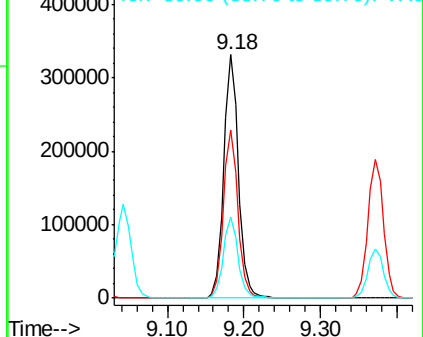
Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.6	51.0	76.4
39	33.2	26.1	39.1

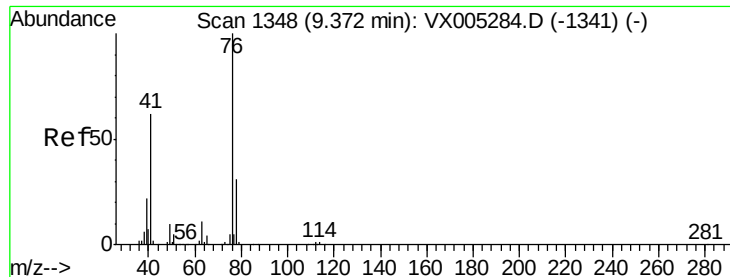


Abundance Ion 69.00 (68.70 to 69.70): VX005285.D (-1268) (-)

Ion 41.00 (40.70 to 41.70): VX005285.D (-1268) (-)

Ion 39.00 (38.70 to 39.70): VX005285.D (-1268) (-)





#57

1,3-Dichloropropane

Concen: 73.16 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 442150

Ion Ratio Lower Upper

76 100

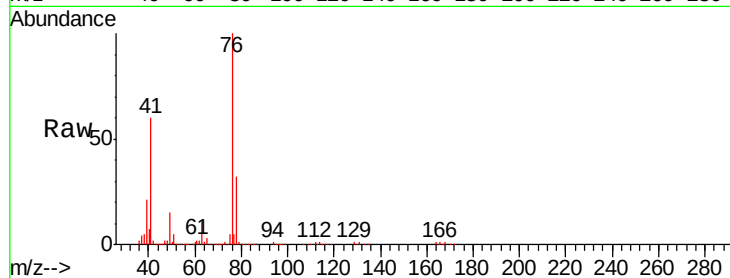
78 32.1 25.5 38.3

Manual Integrations

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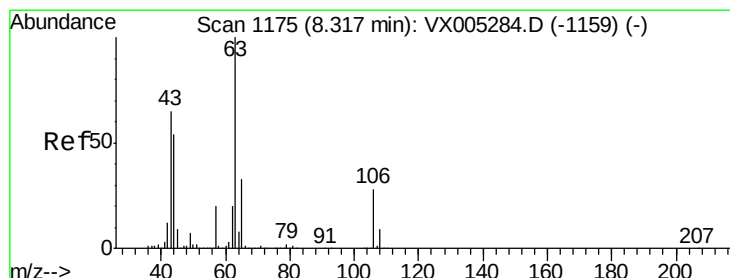
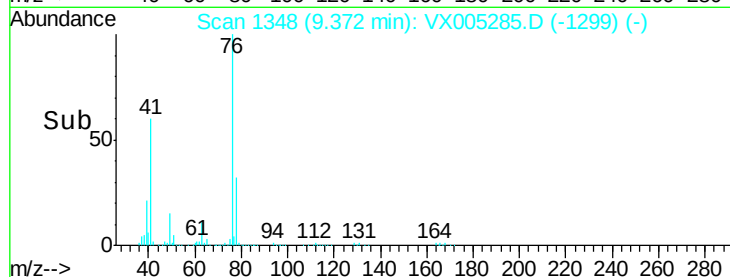
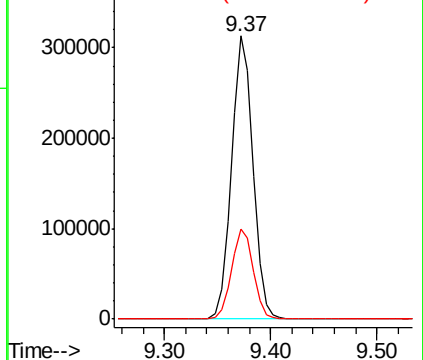
MMDadoda

10/17/2018 9:04:35 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 487.45 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005285.D

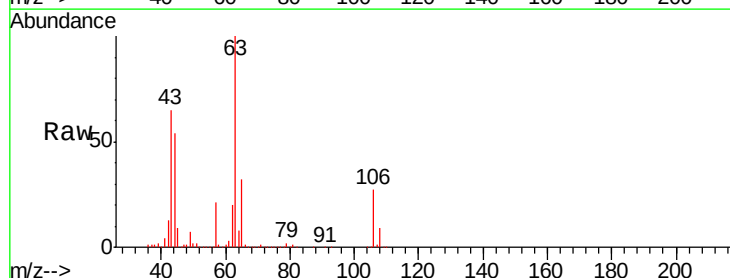
Acq: 12 Oct 2018 10:32

Tgt Ion: 63 Resp: 1176700

Ion Ratio Lower Upper

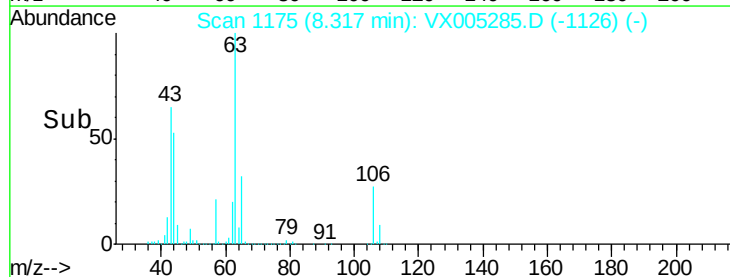
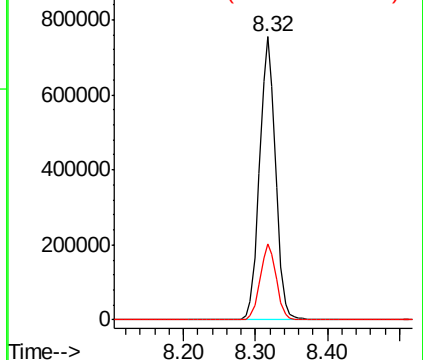
63 100

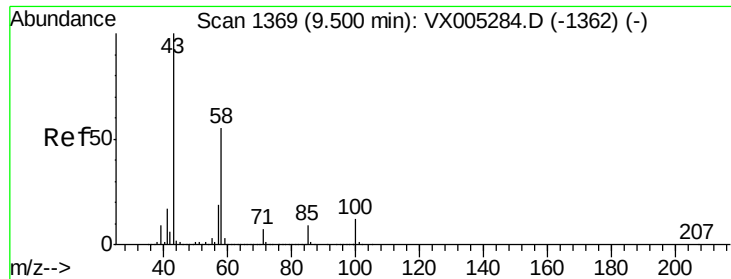
106 27.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





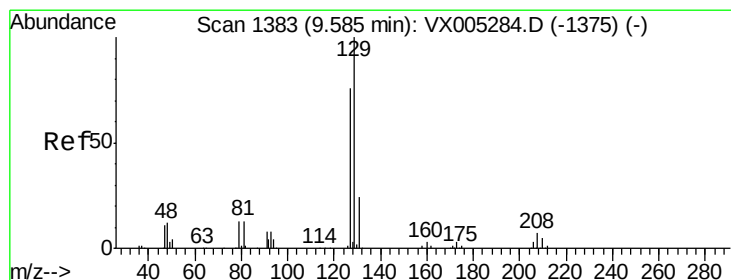
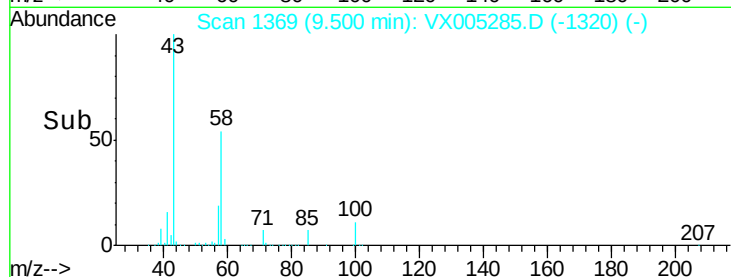
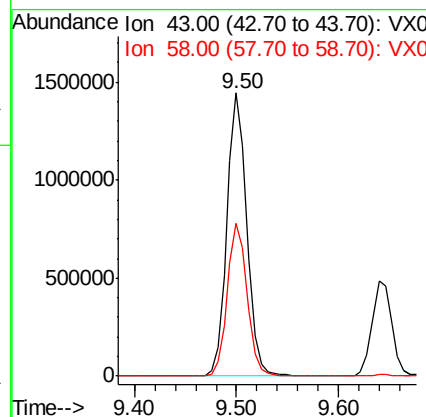
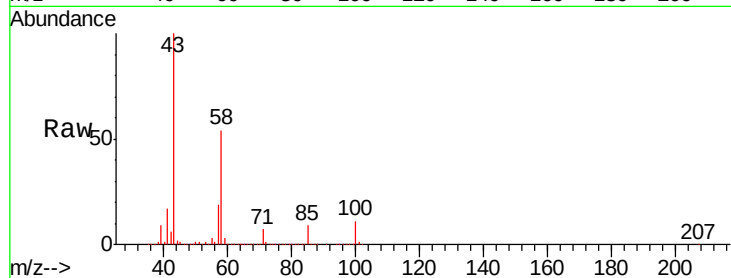
#59
2-Hexanone
Concen: 483.82 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1954951
Ion Ratio Lower Upper
43 100
58 53.9 29.0 87.0

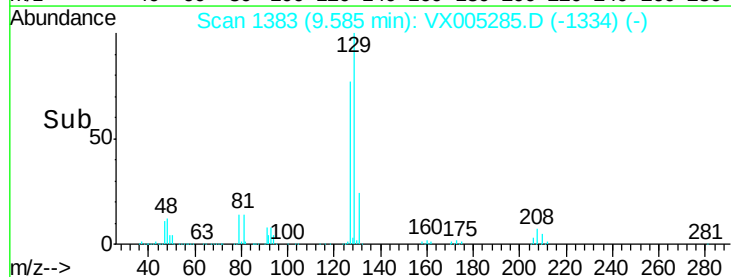
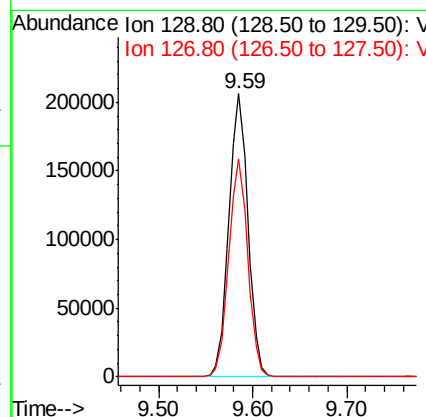
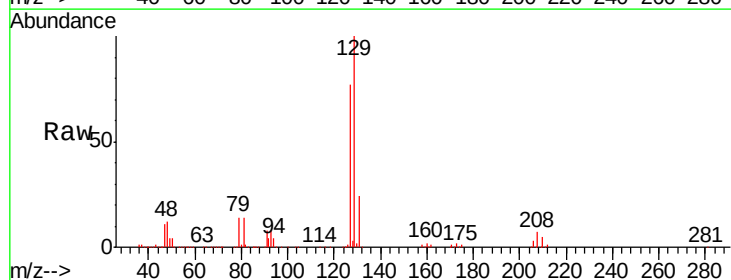
Manual Integrations
APPROVED

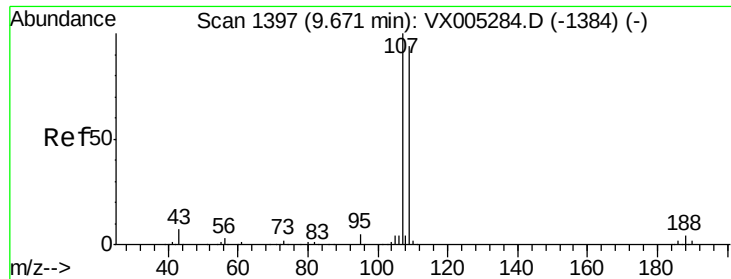
MMDadoda
10/17/2018 9:04:35 AM



#60
Dibromochloromethane
Concen: 82.91 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion: 129 Resp: 290310
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 79.13 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 107 Resp: 281152

Ion Ratio Lower Upper

107 100

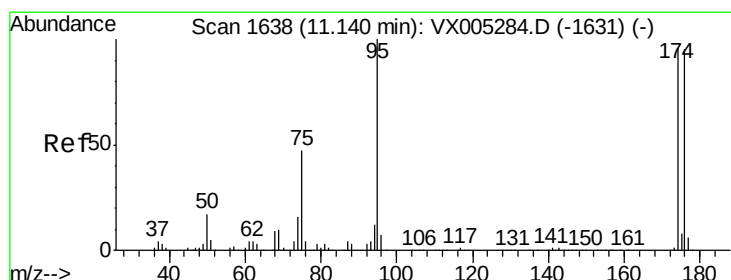
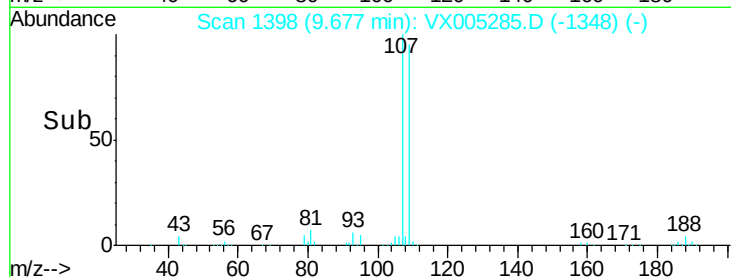
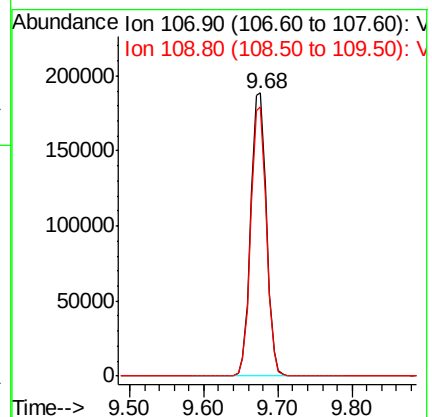
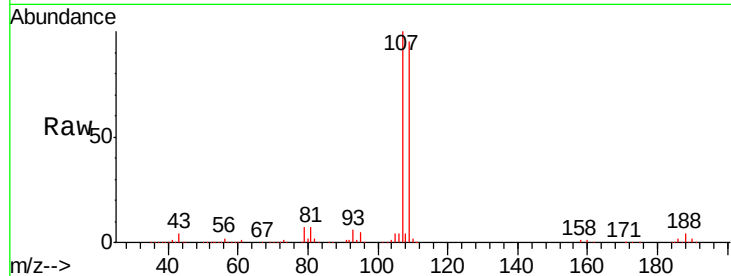
109 94.1 76.0 114.0

Manual Integrations

APPROVED

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#62

4-Bromofluorobenzene

Concen: 79.97 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

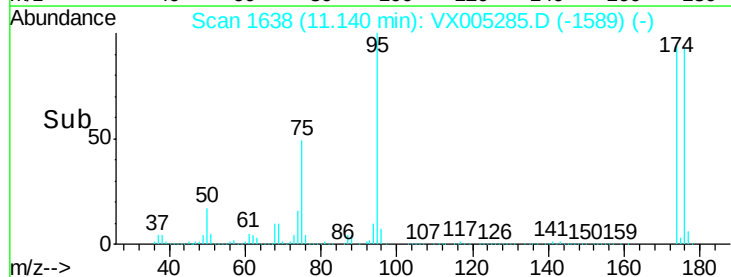
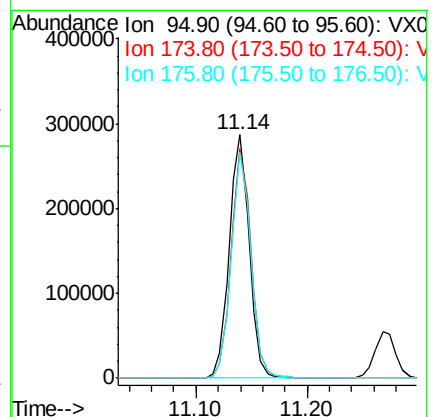
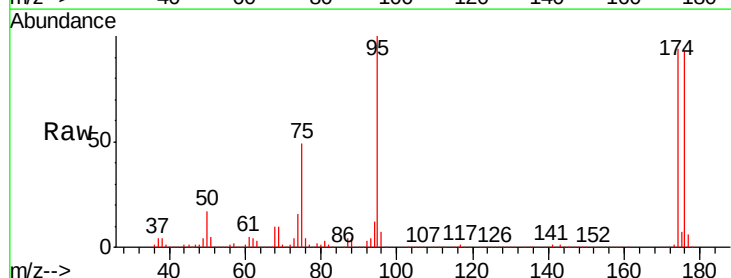
Tgt Ion: 95 Resp: 356575

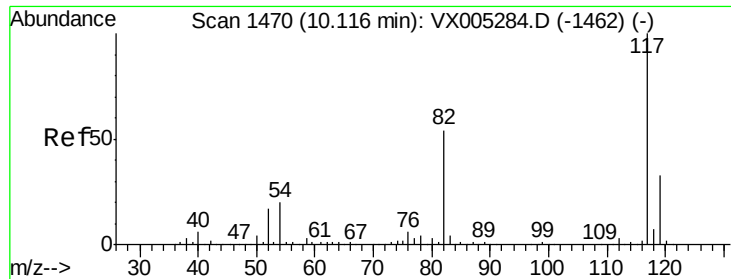
Ion Ratio Lower Upper

95 100

174 93.8 0.0 185.2

176 91.2 0.0 178.6





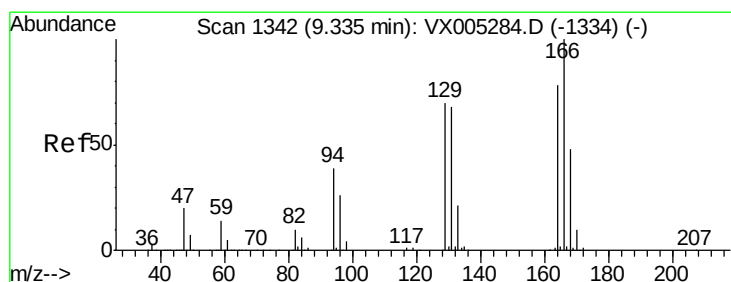
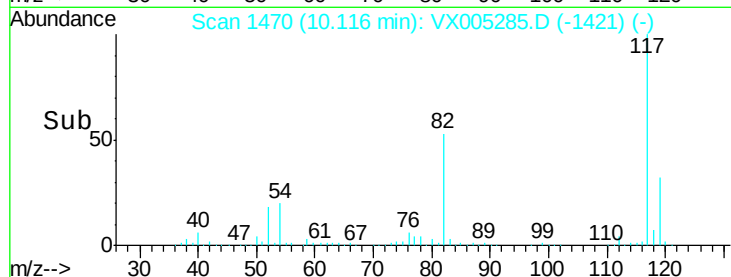
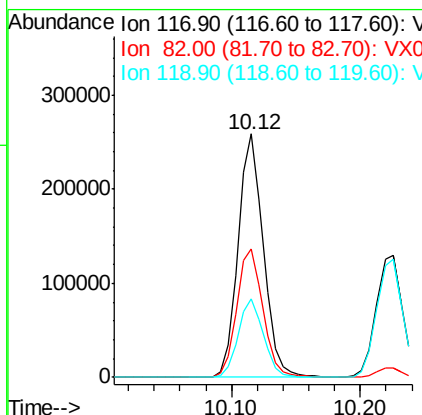
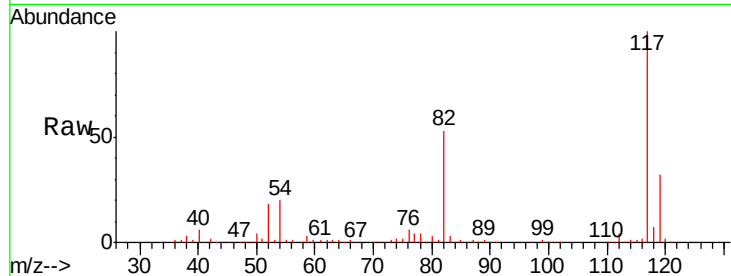
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	352648		
82	52.7	47.8	71.6	
119	32.3	29.3	43.9	

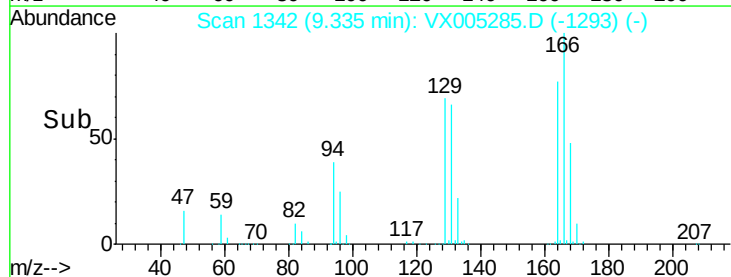
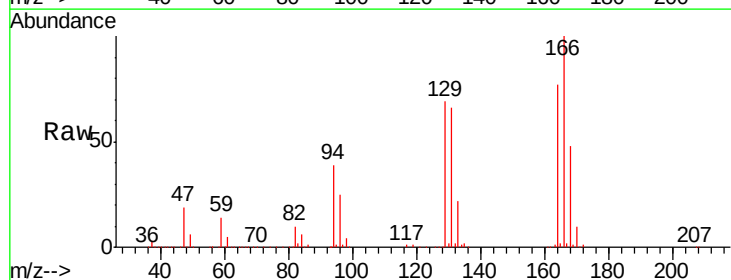
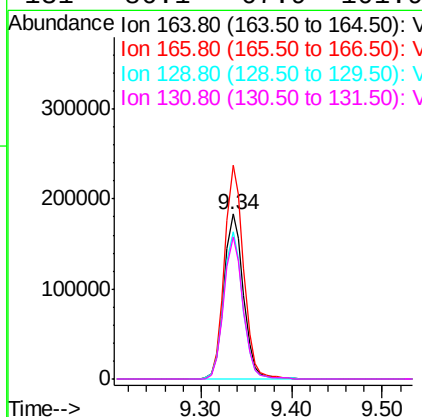
Manual Integrations
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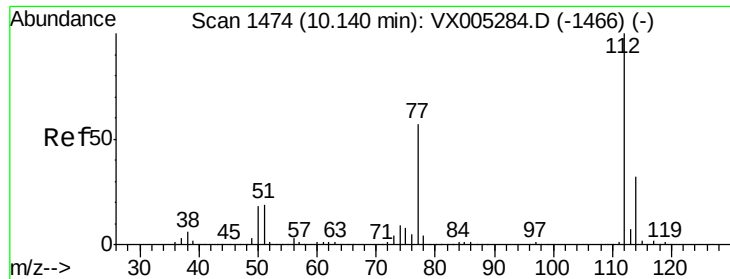
MMDadoda
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#64
Tetrachloroethene
Concen: 62.10 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	273418		
166	129.6	102.8	154.2	
129	89.3	69.4	104.0	
131	86.1	67.9	101.9	





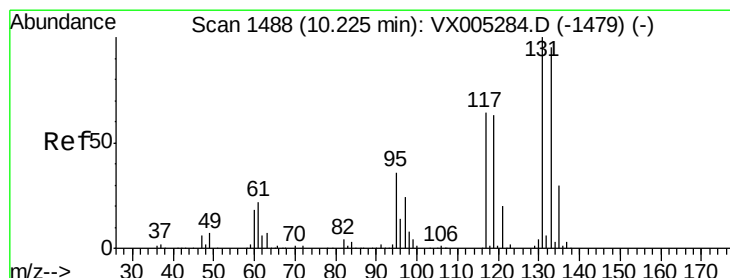
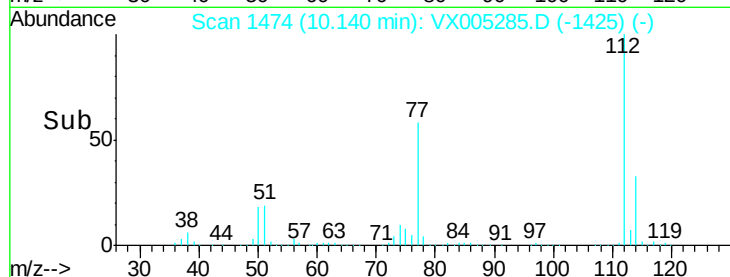
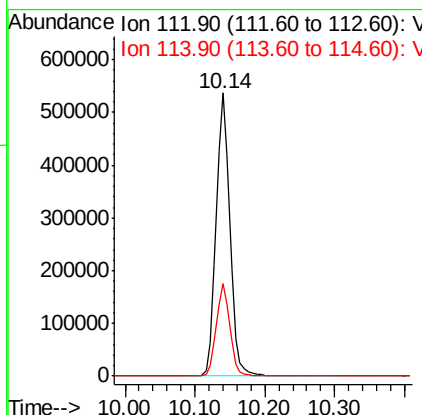
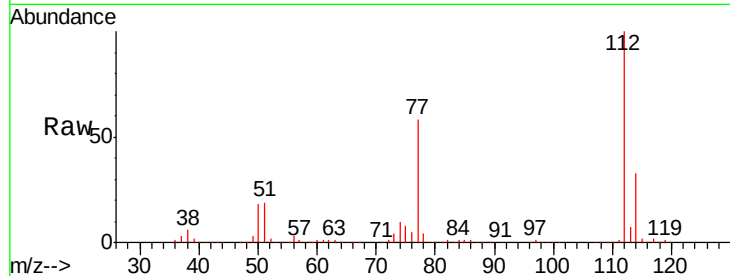
#65
Chlorobenzene
Concen: 84.08 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 736503
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8

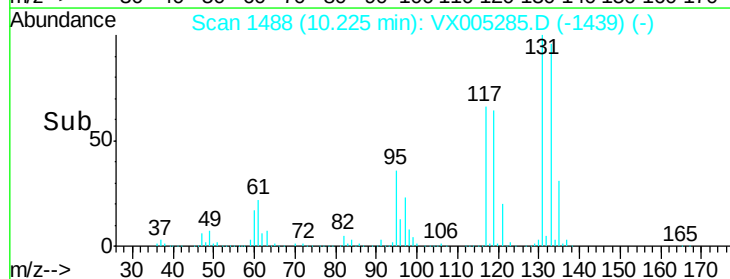
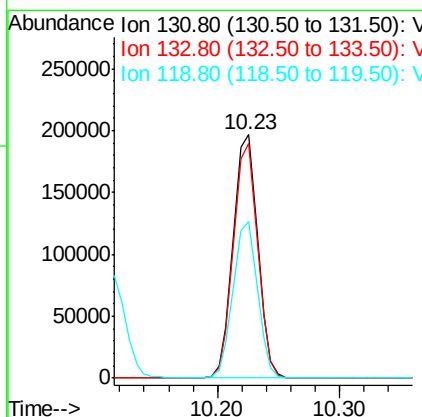
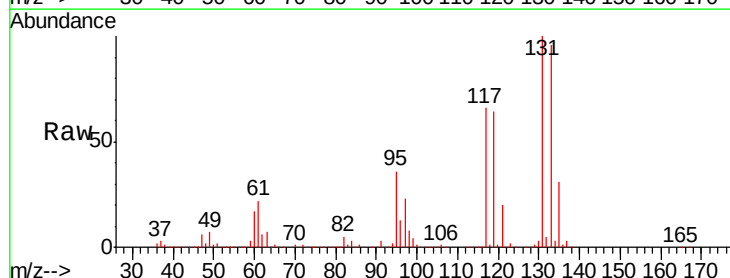
Manual Integrations
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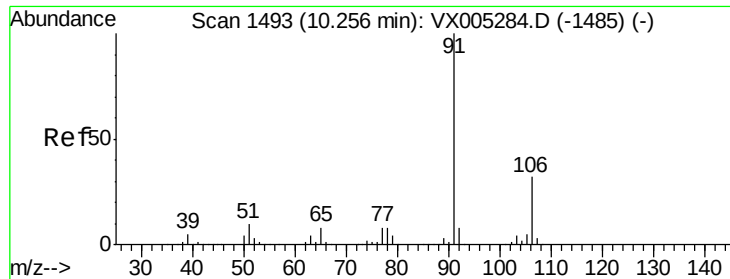
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#66
1,1,1,2-Tetrachloroethane
Concen: 90.13 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion:131 Resp: 272256
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 64.1 32.9 98.6





#67

Ethyl Benzene

Concen: 89.68 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1277306

Ion Ratio Lower Upper

91 100

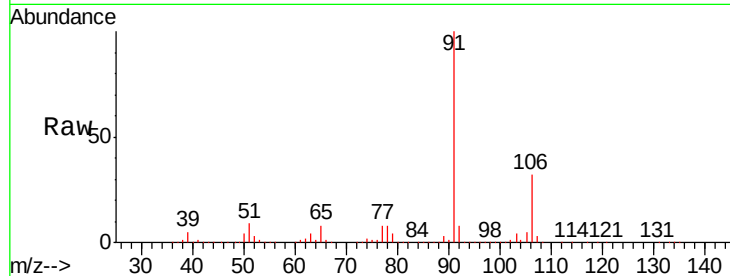
106 31.6 25.9 38.9

Manual Integrations

APPROVED

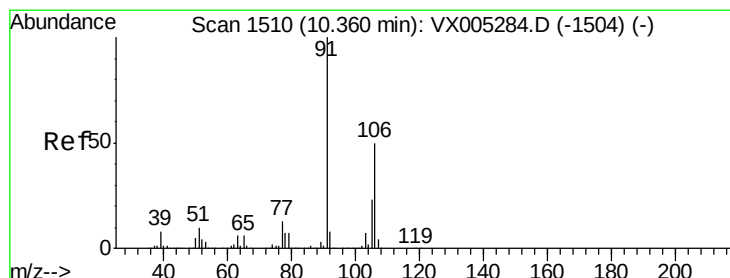
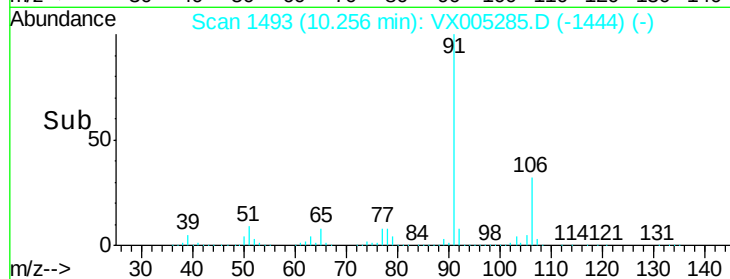
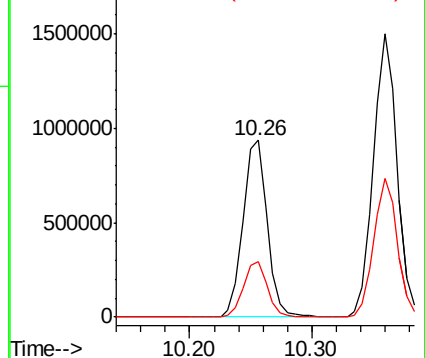
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 181.47 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005285.D

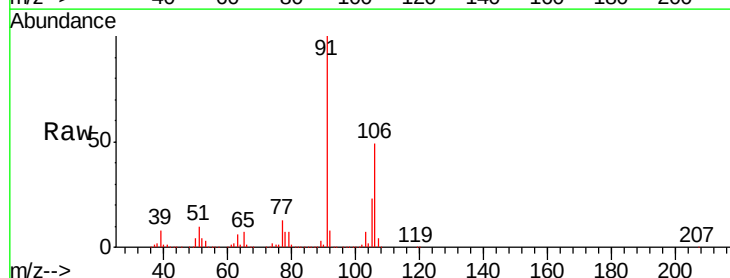
Acq: 12 Oct 2018 10:32

Tgt Ion: 106 Resp: 995620

Ion Ratio Lower Upper

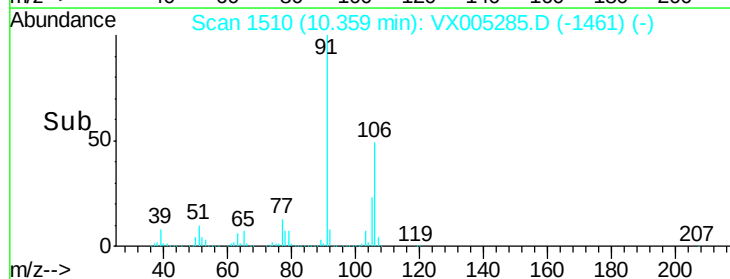
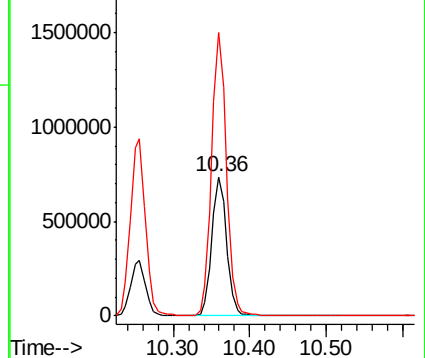
106 100

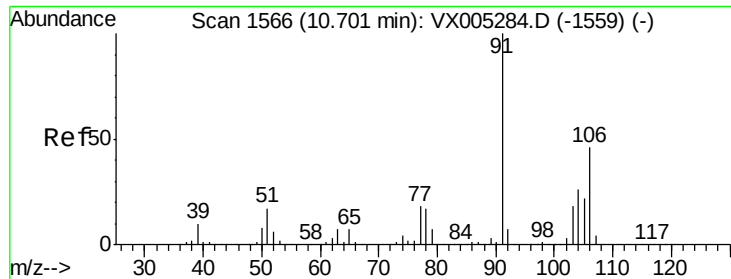
91 203.5 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





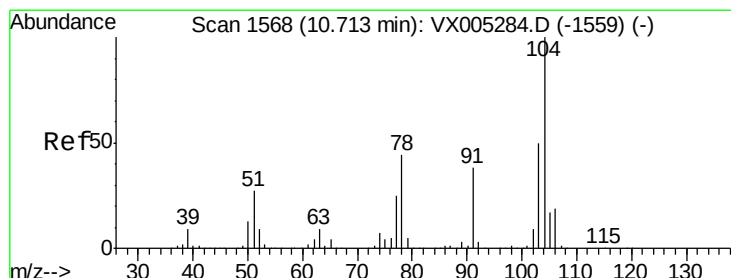
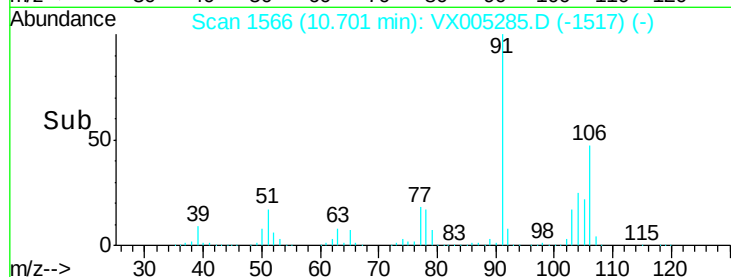
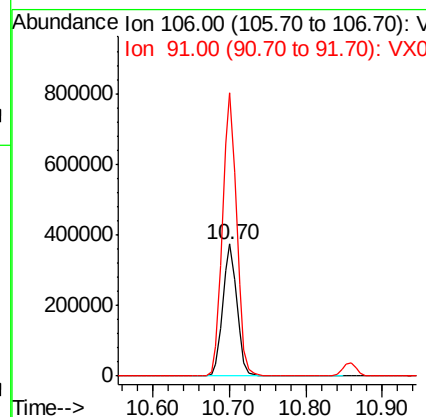
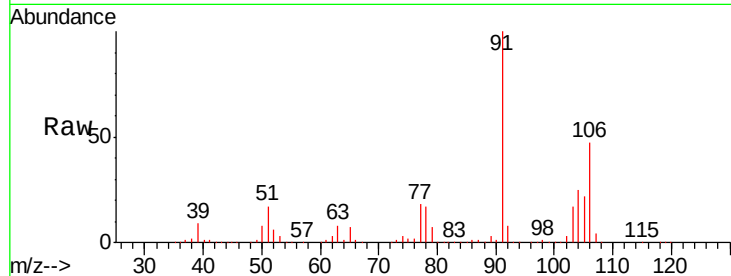
#69
o-Xylene
Concen: 91.16 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 480818
Ion Ratio Lower Upper
106 100
91 215.2 105.1 315.1

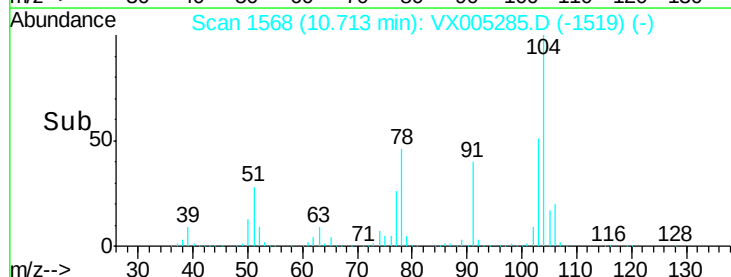
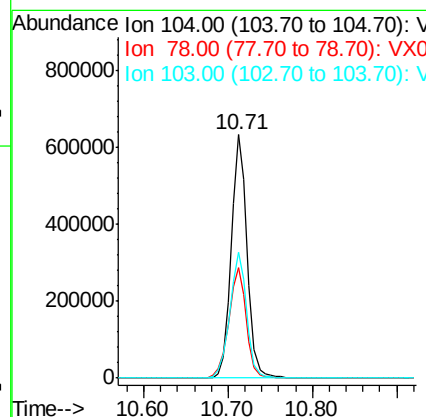
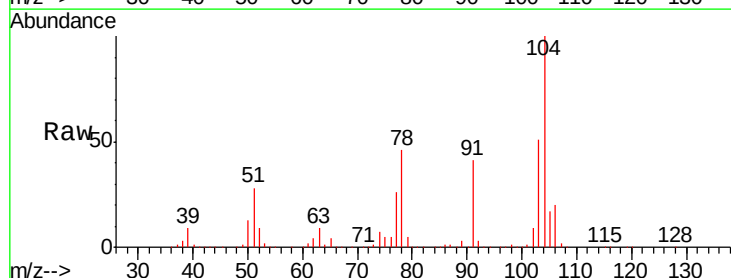
Manual Integrations
APPROVED

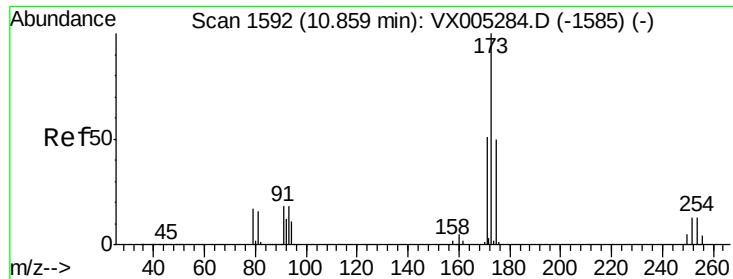
MMDadoda
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#70
Styrene
Concen: 93.89 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion:104 Resp: 820471
Ion Ratio Lower Upper
104 100
78 50.1 37.4 56.0
103 55.5 43.8 65.6





#71

Bromoform

Concen: 105.59 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

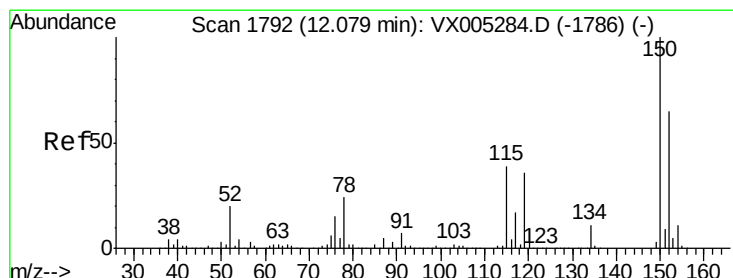
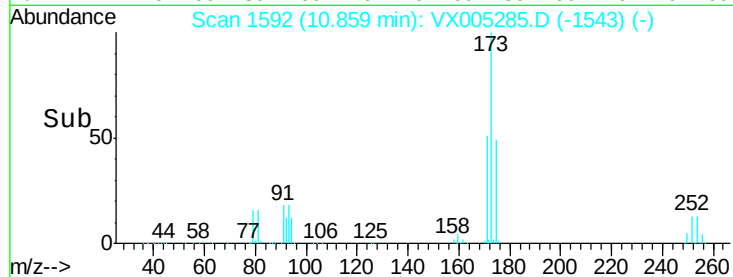
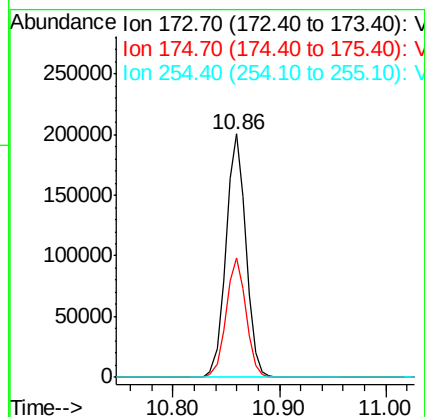
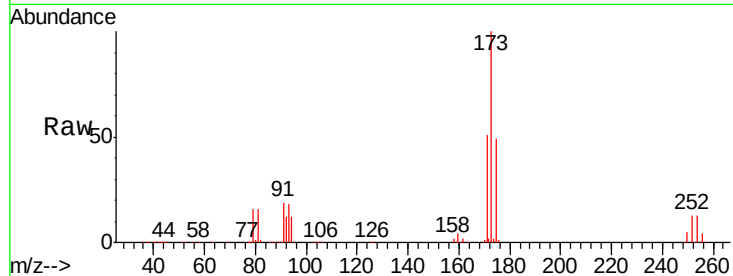
ClientSampleId :

VSTDIC100

Tgt Ion:	173	Resp:	261893
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

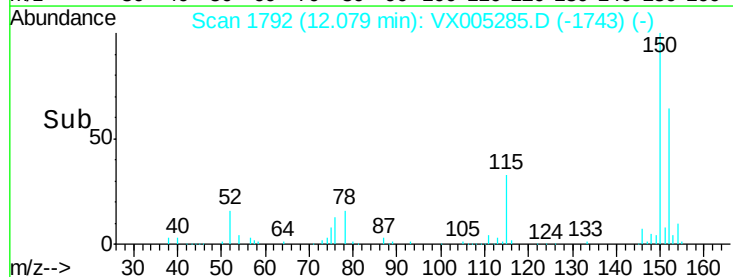
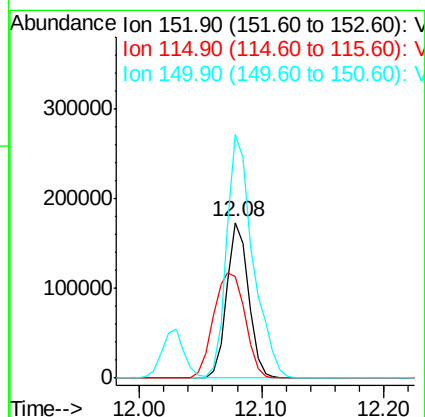
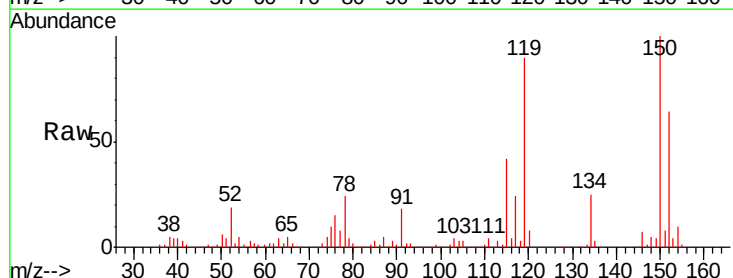
RT: 12.08 min Scan# 1792

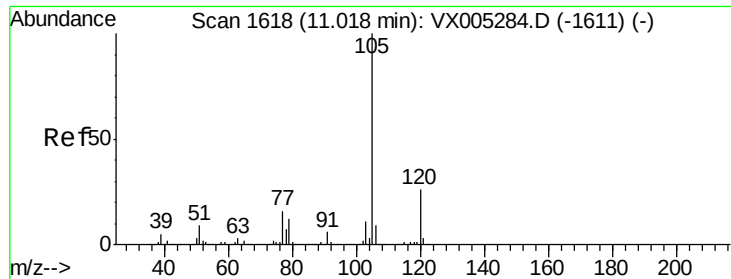
Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion:	152	Resp:	212679
Ion Ratio	Lower	Upper	
152	100		
115	98.8	39.0	117.0
150	189.7	0.0	351.0





#73

Isopropylbenzene

Concen: 93.17 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 1305077

Ion Ratio Lower Upper

105 100

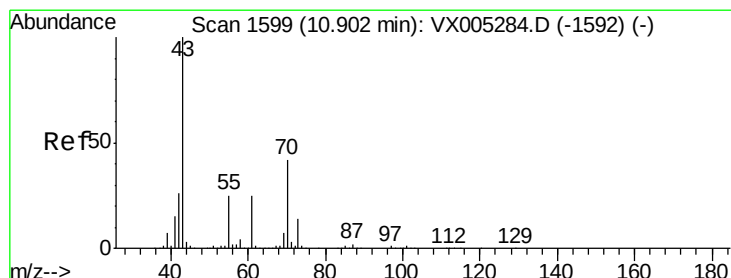
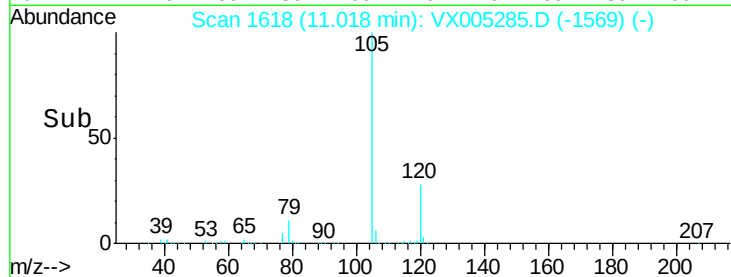
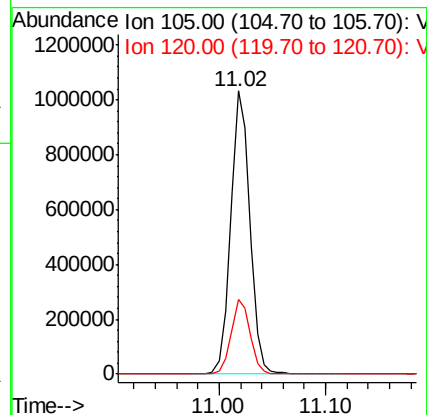
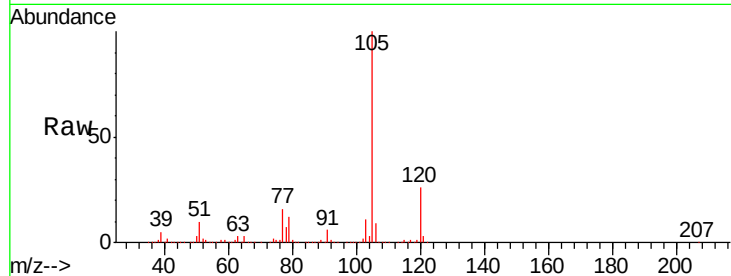
120 26.4 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 111.93 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Tgt Ion: 43 Resp: 659904

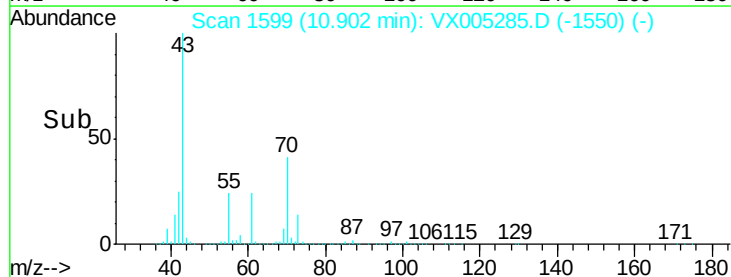
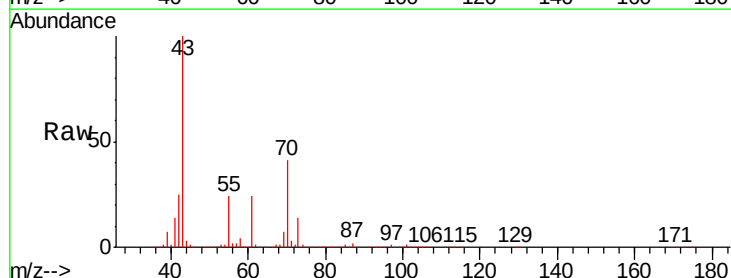
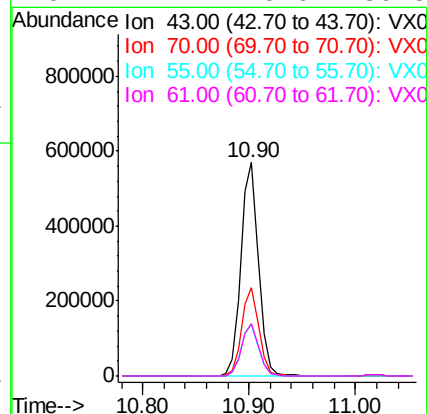
Ion Ratio Lower Upper

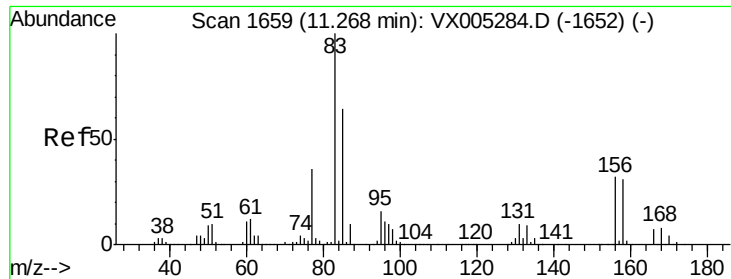
43 100

70 40.9 37.4 56.0

55 24.6 21.8 32.8

61 24.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 102.35 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 462418
Ion Ratio Lower Upper

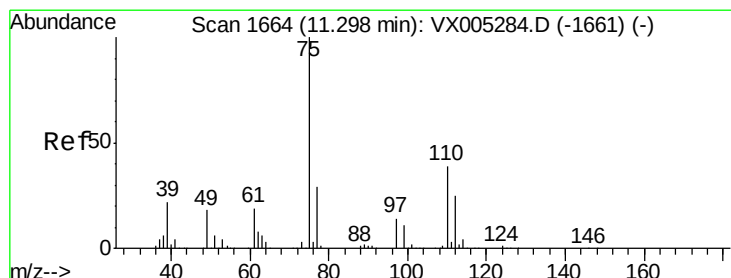
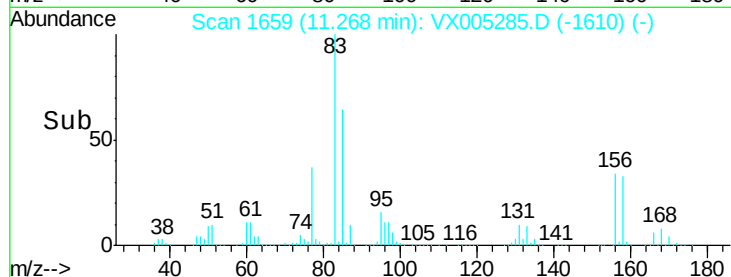
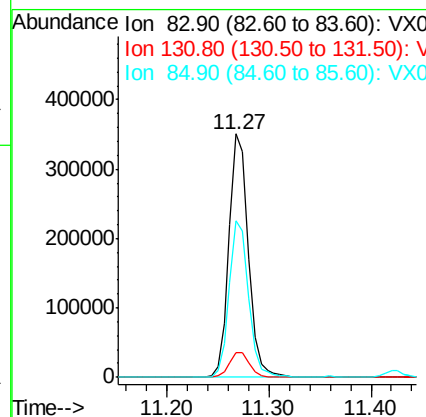
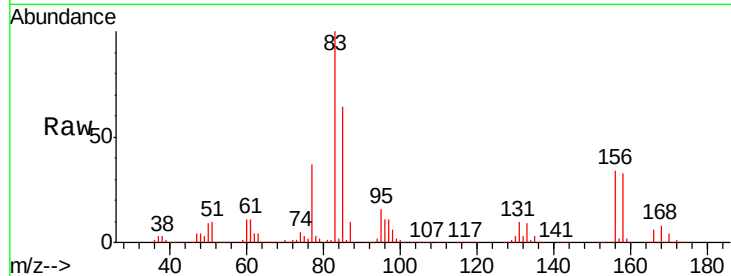
83 100

131 10.6 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 96.09 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

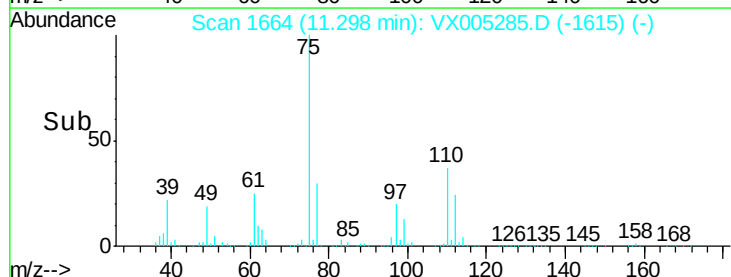
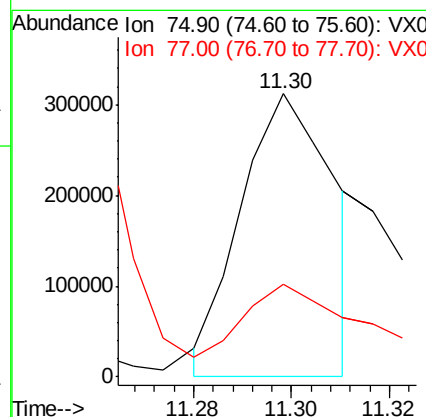
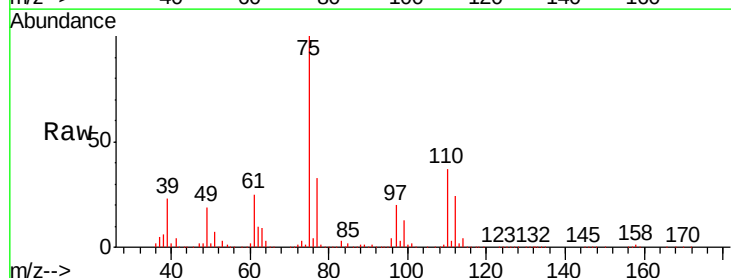
Lab File: VX005285.D

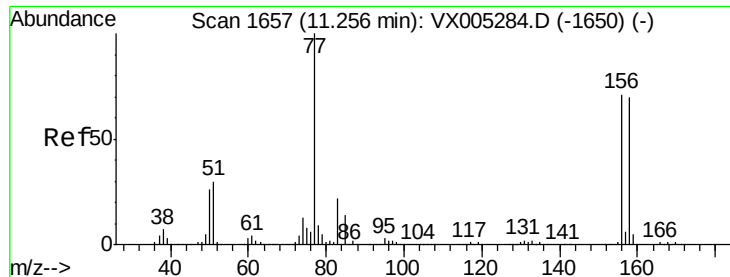
Acq: 12 Oct 2018 10:32

Tgt Ion: 75 Resp: 411180
Ion Ratio Lower Upper

75 100

77 44.0 20.2 60.6





#77

Bromobenzene

Concen: 92.09 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 156 Resp: 356519

Ion Ratio Lower Upper

156 100

77 143.1 71.5 214.3

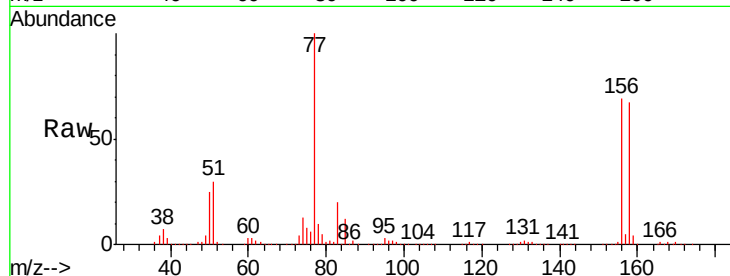
158 98.0 48.9 146.8

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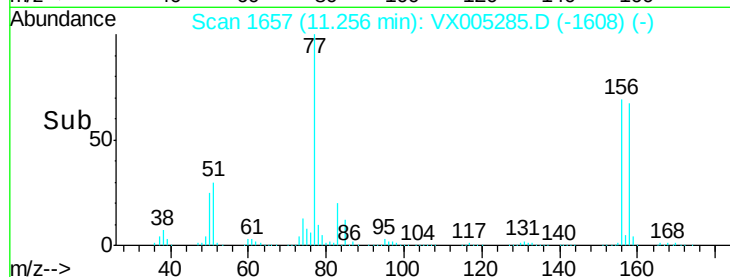


Abundance Ion 155.80 (155.50 to 156.50): V

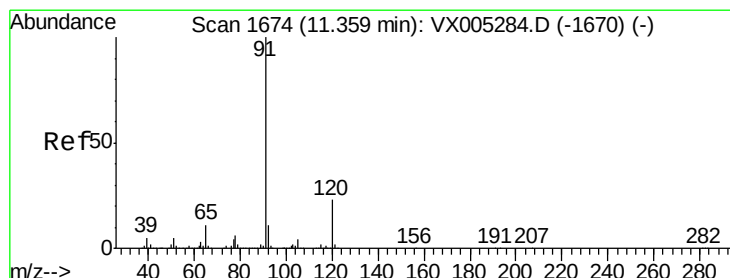
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 93.90 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005285.D

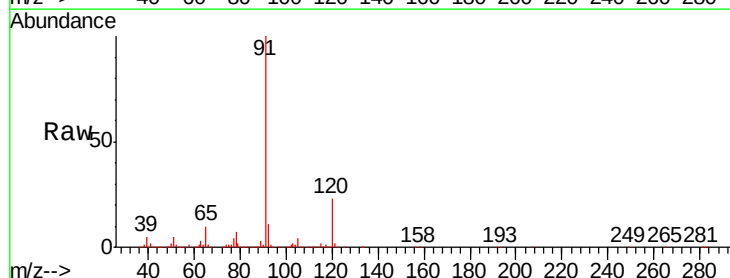
Acq: 12 Oct 2018 10:32

Tgt Ion: 91 Resp: 1512206

Ion Ratio Lower Upper

91 100

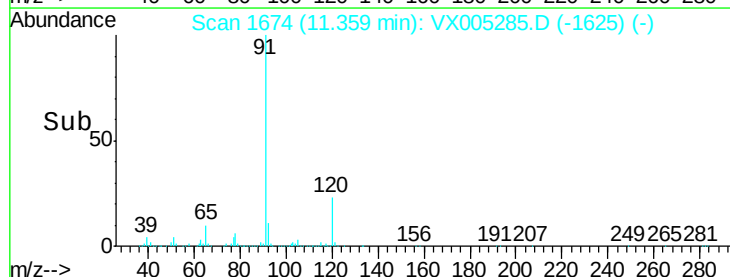
120 23.9 11.9 35.9



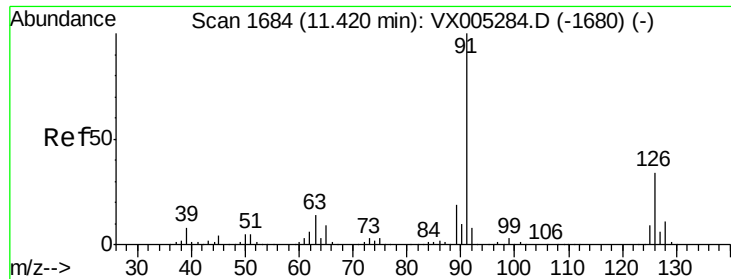
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 91.59 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 894638

Ion Ratio Lower Upper

91 100

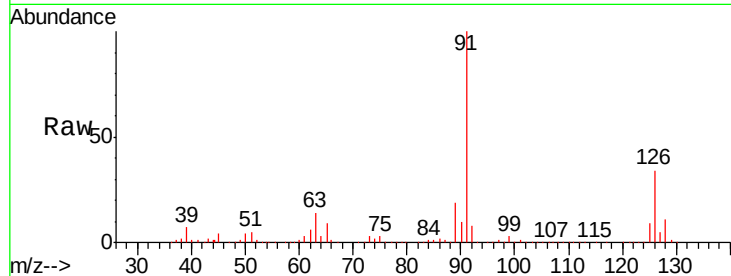
126 35.5 17.9 53.7

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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) (-)

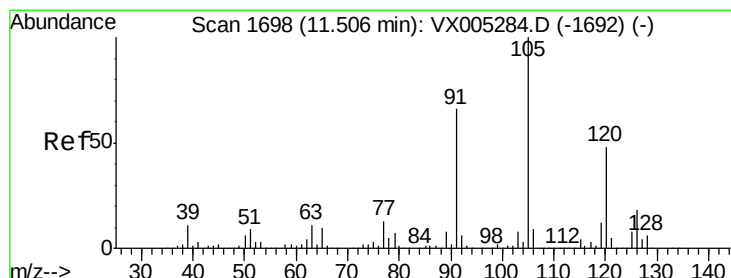
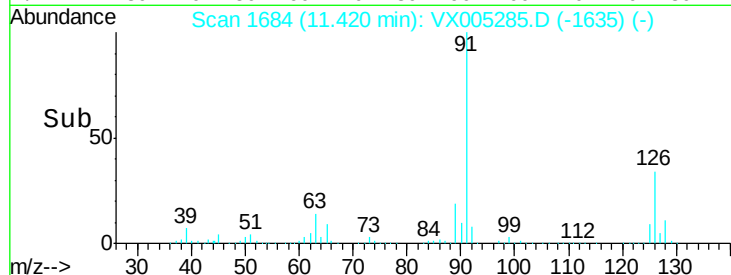
1000000

500000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 96.80 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005285.D

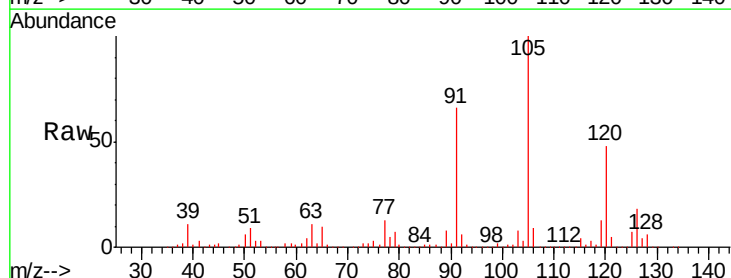
Acq: 12 Oct 2018 10:32

Tgt Ion: 105 Resp: 1139864

Ion Ratio Lower Upper

105 100

120 48.8 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) (-)

1000000

800000

600000

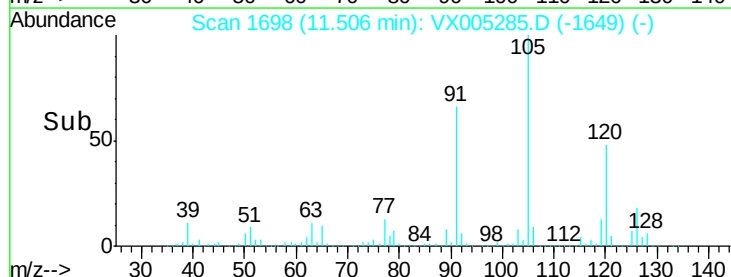
400000

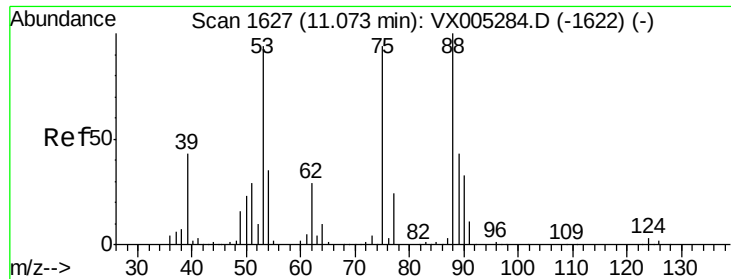
200000

0

11.40 11.50 11.60

Time-->





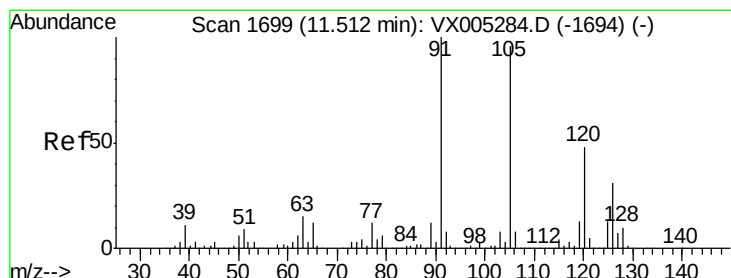
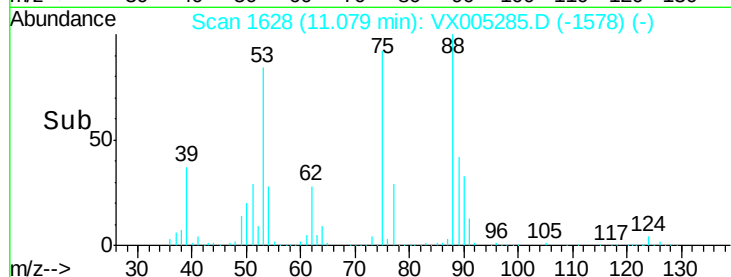
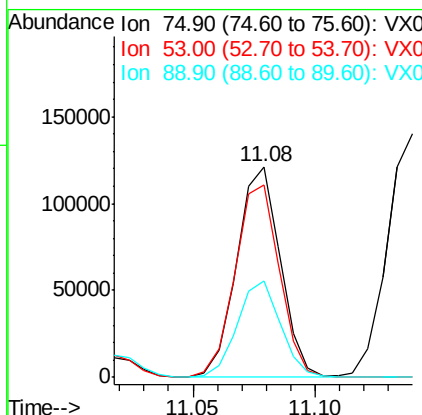
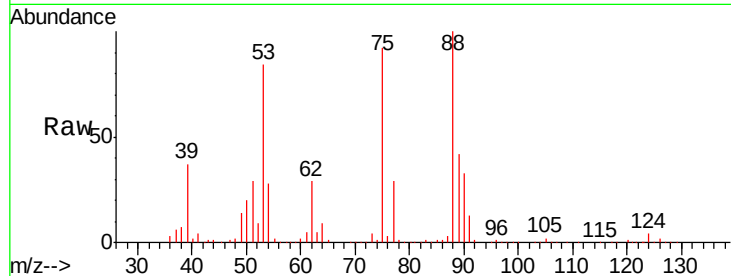
#81
trans-1,4-Dichloro-2-butene
Concen: 110.80 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.9	80.1	120.1
89	46.0	37.2	55.8

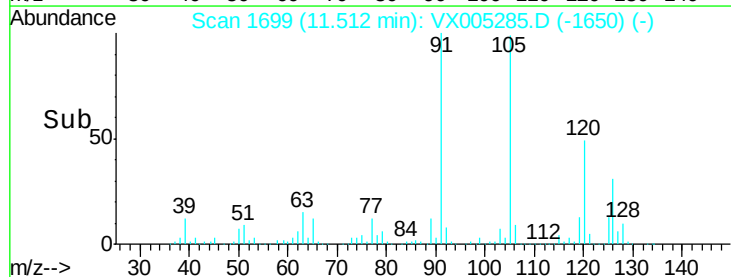
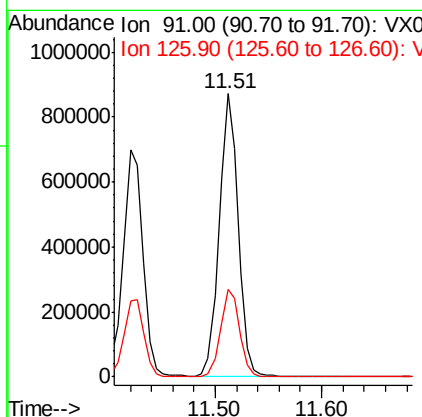
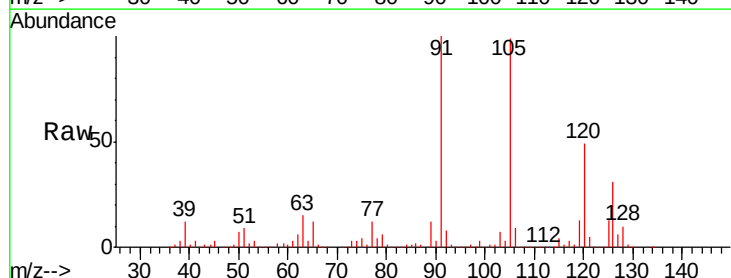
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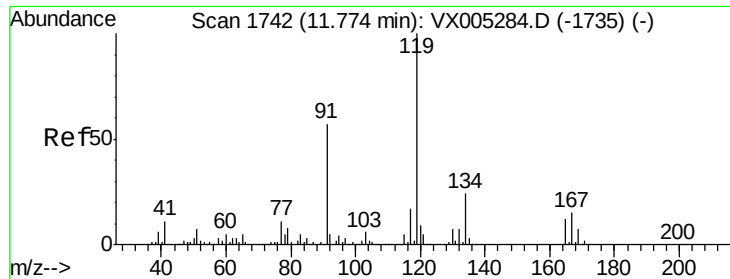
MMDadoda
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#82
4-Chlorotoluene
Concen: 94.73 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





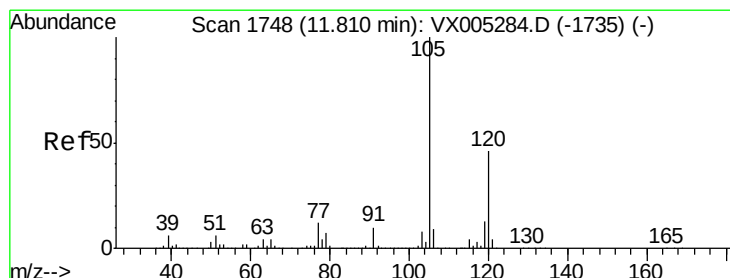
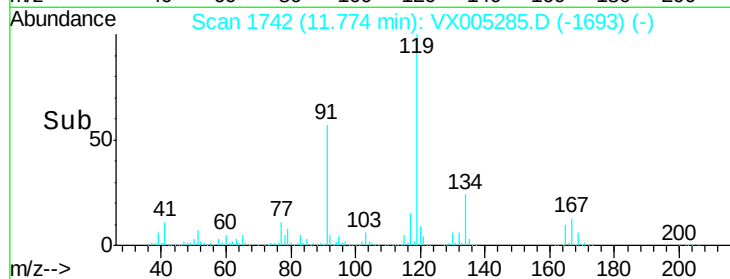
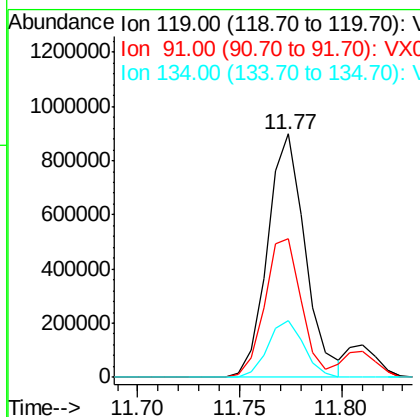
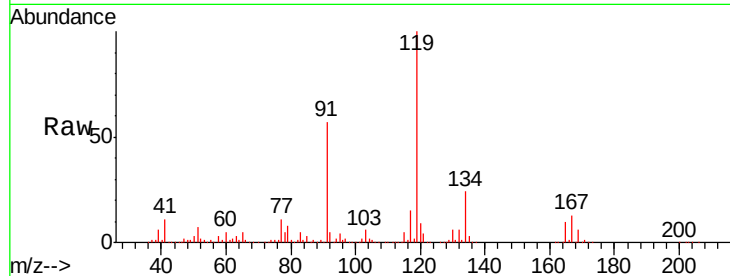
#83
 tert-Butylbenzene
 Concen: 102.92 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 1153742
 Ion Ratio Lower Upper
 119 100
 91 55.5 27.0 81.0
 134 22.7 11.7 35.1

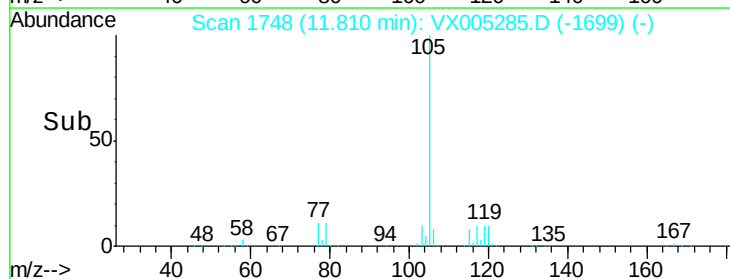
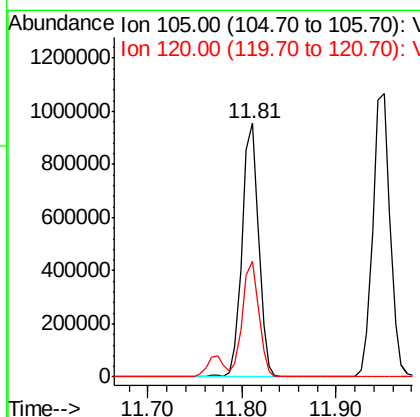
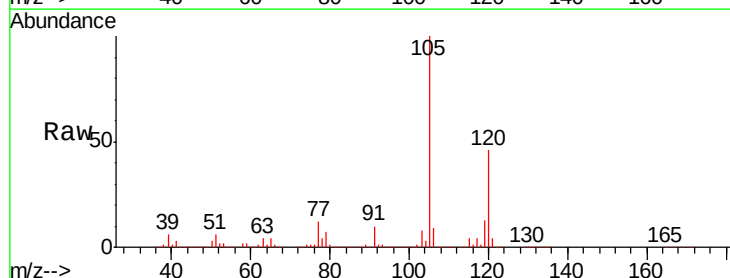
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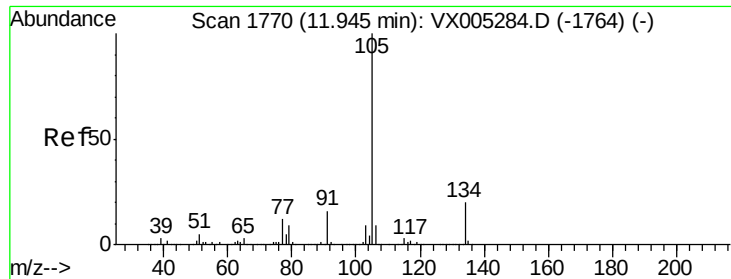
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.61 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Tgt Ion:105 Resp: 1173474
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 95.62 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 1365920

Ion Ratio Lower Upper

105 100

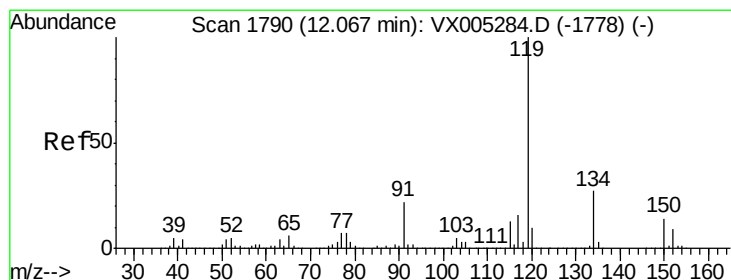
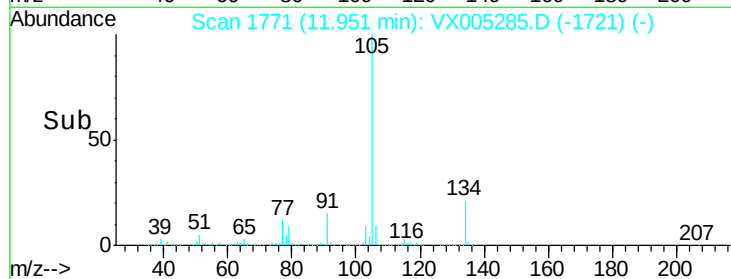
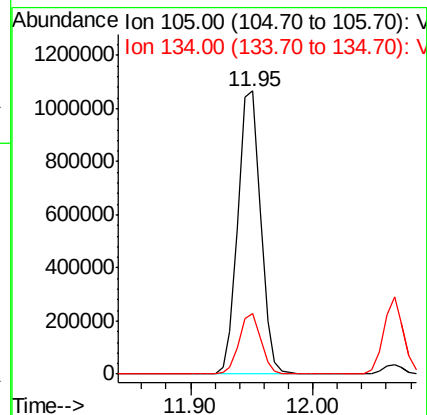
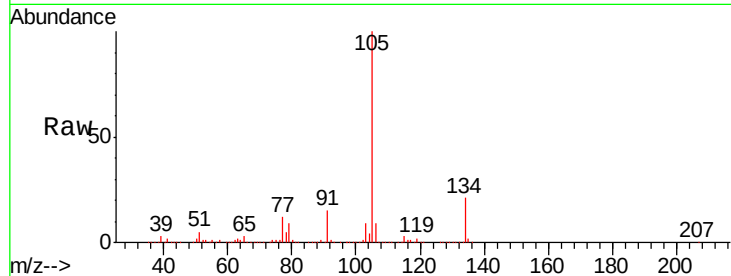
134 20.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 98.69 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005285.D

Acq: 12 Oct 2018 10:32

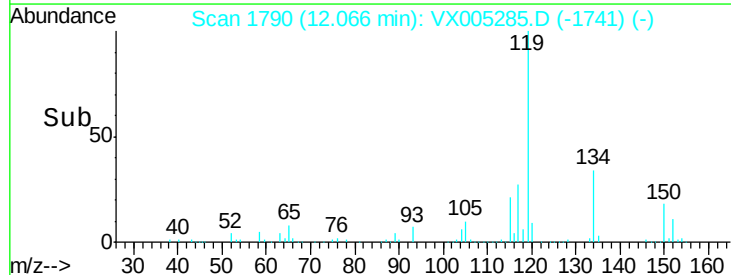
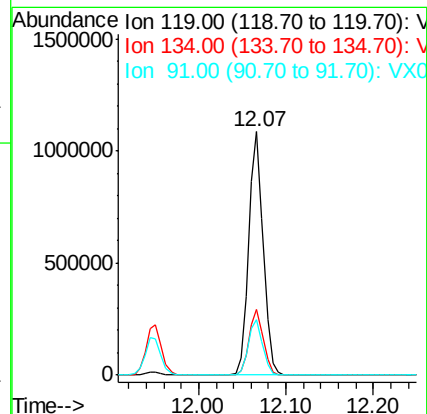
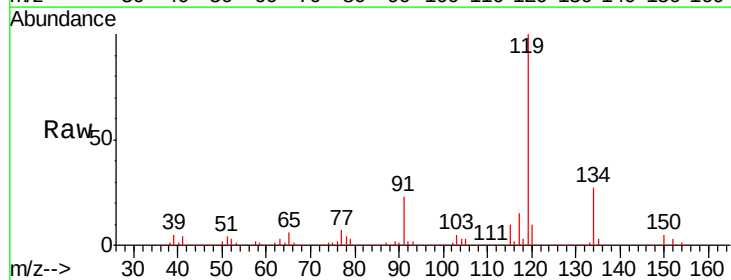
Tgt Ion:119 Resp: 1244985

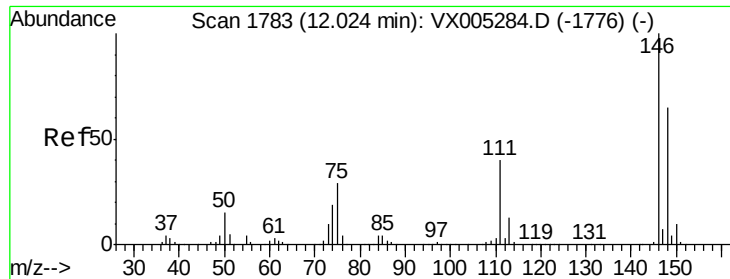
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.9 10.9 32.7





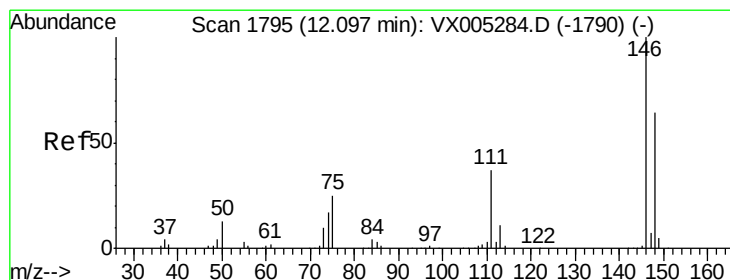
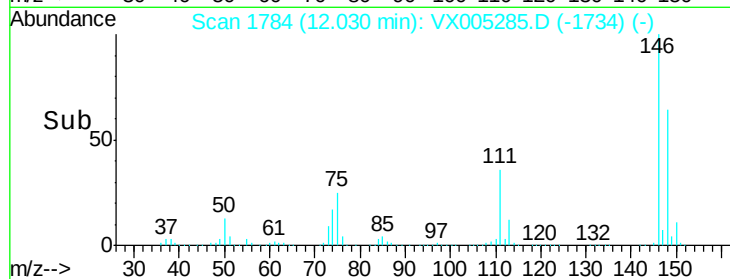
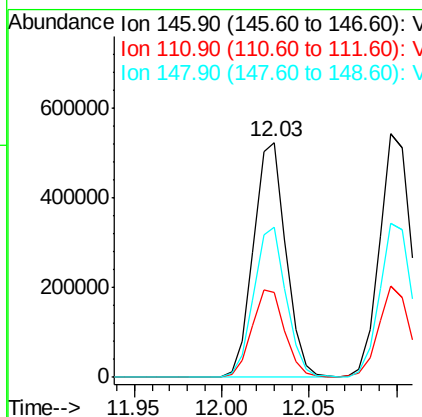
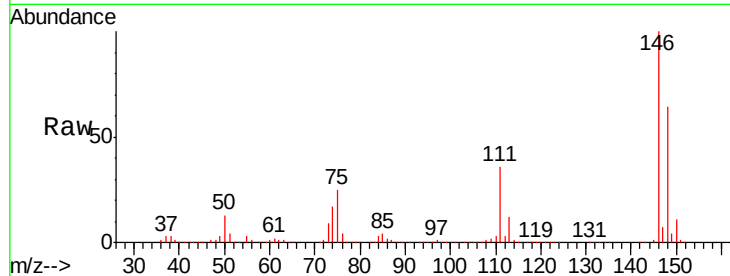
#87
 1,3-Dichlorobenzene
 Concen: 93.60 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	63.8	32.1	96.5

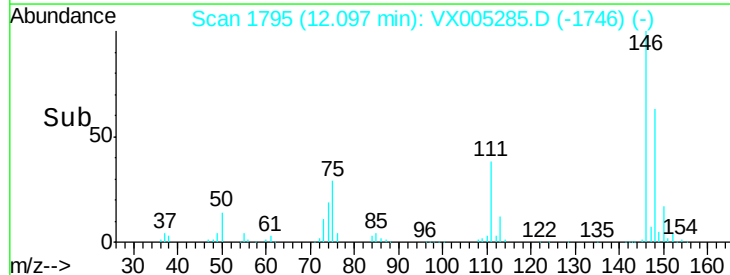
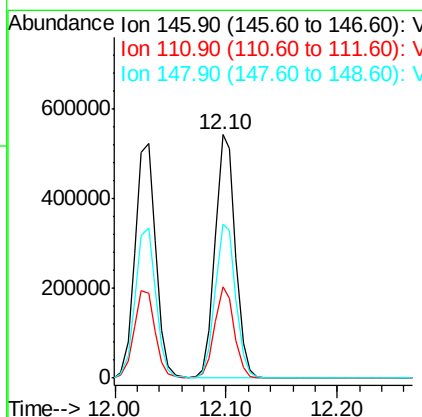
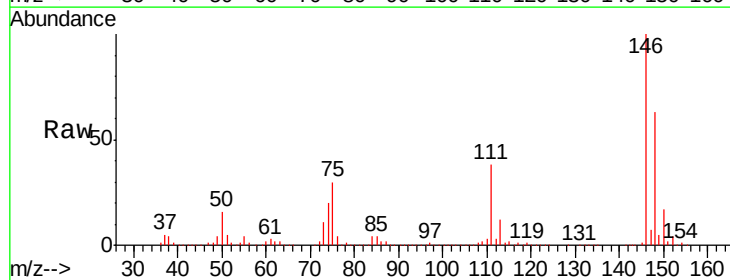
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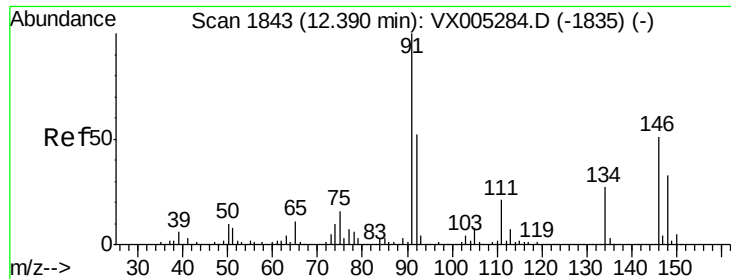
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#88
 1,4-Dichlorobenzene
 Concen: 91.61 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.1	32.0	96.0





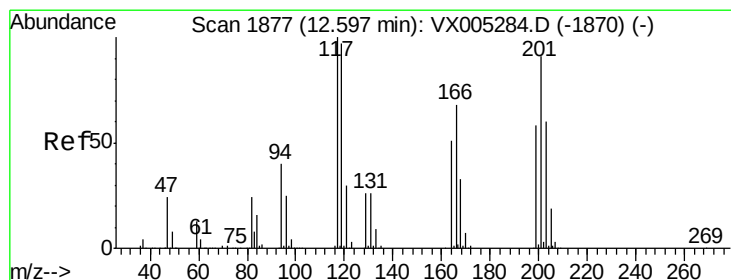
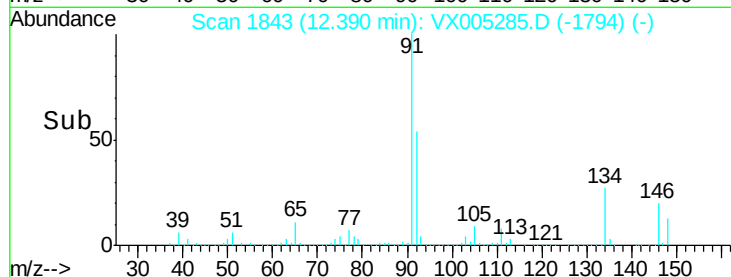
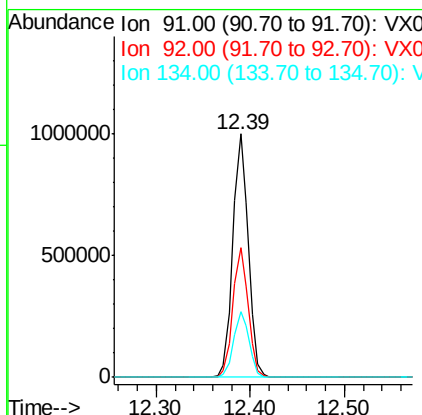
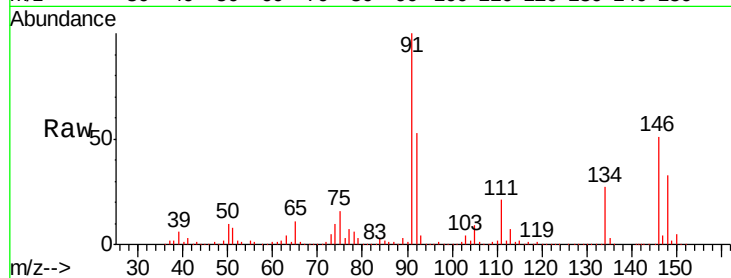
#89
n-Butylbenzene
Concen: 98.45 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1131754
Ion Ratio Lower Upper
91 100
92 52.8 27.3 81.9
134 27.0 13.6 40.7

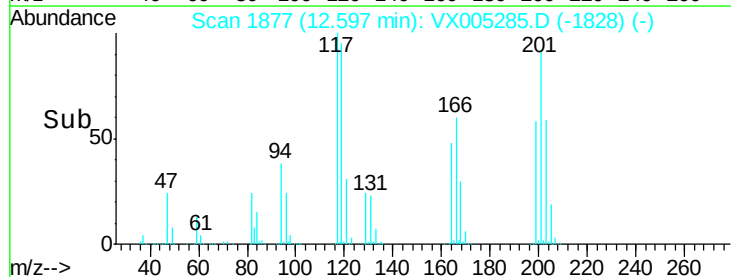
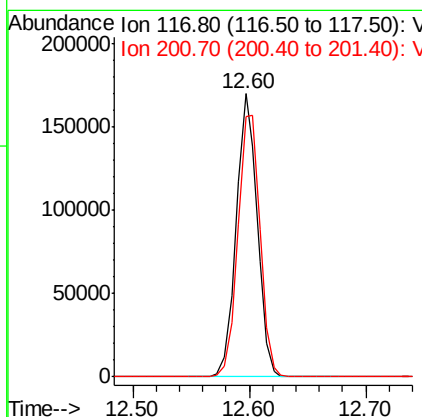
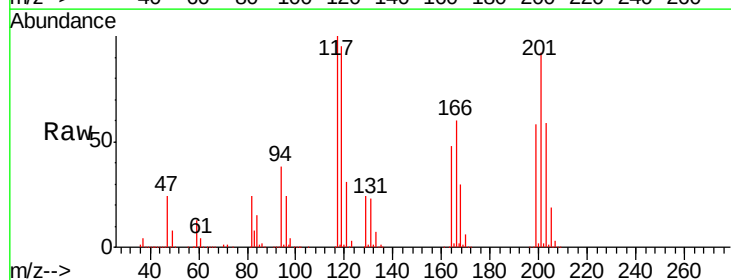
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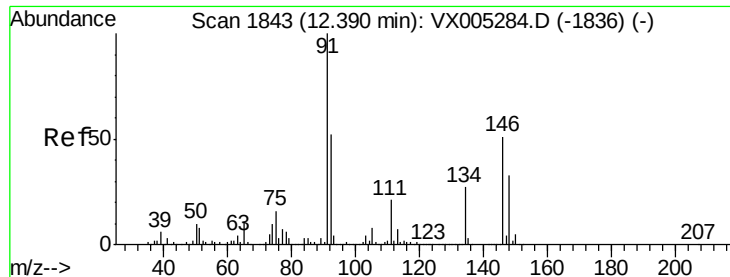
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#90
Hexachloroethane
Concen: 105.13 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion: 117 Resp: 212314
Ion Ratio Lower Upper
117 100
201 98.0 46.9 140.6





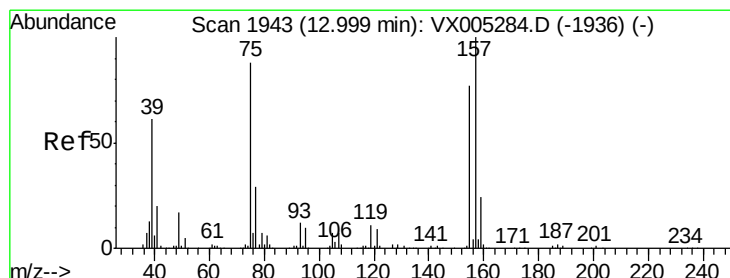
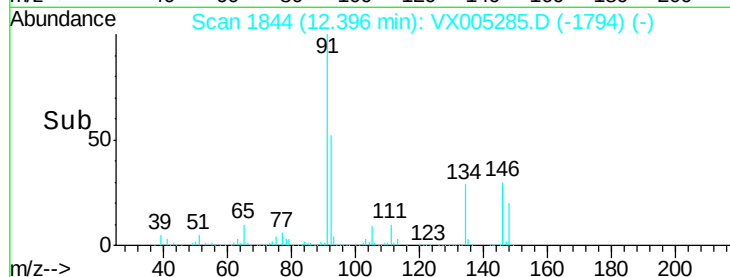
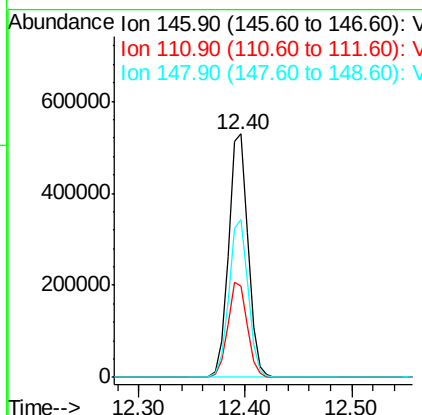
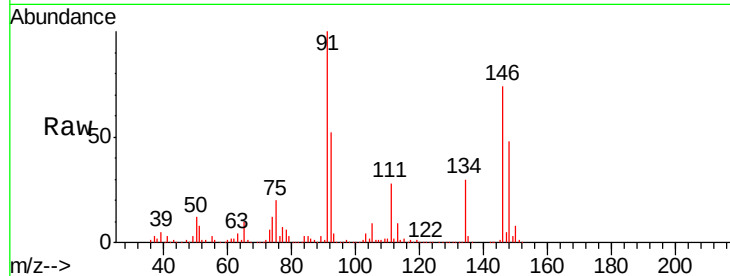
#91
 1,2-Dichlorobenzene
 Concen: 92.77 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	64.3	32.8	98.3

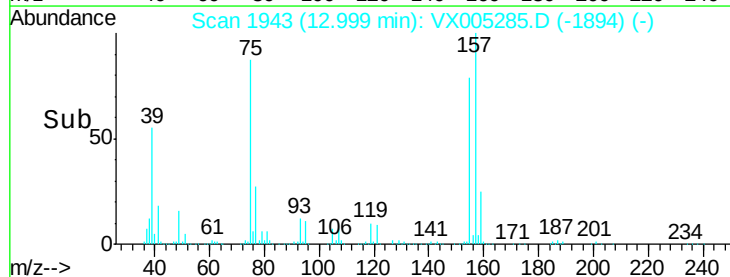
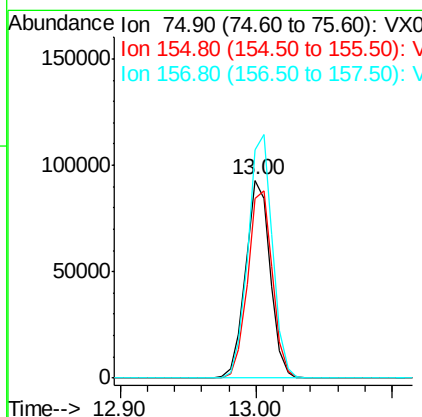
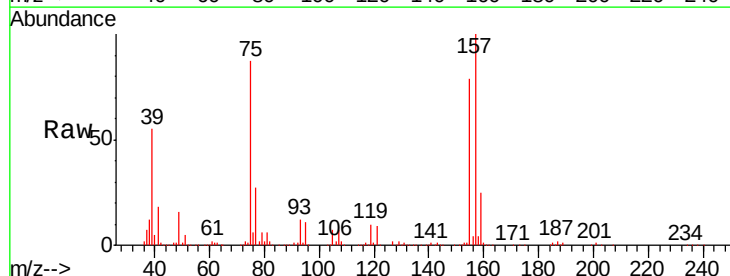
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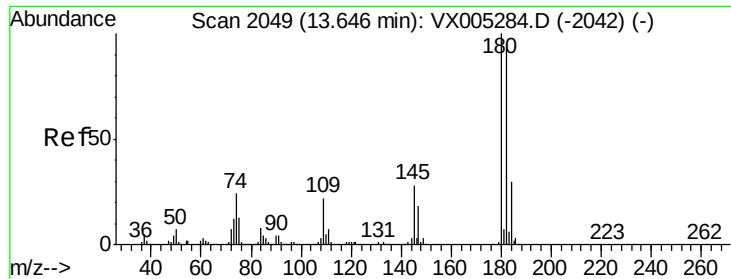
MMDadoda
 10/17/2018 9:04:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 121.78 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	48.0	144.2
157	122.4	61.4	184.1





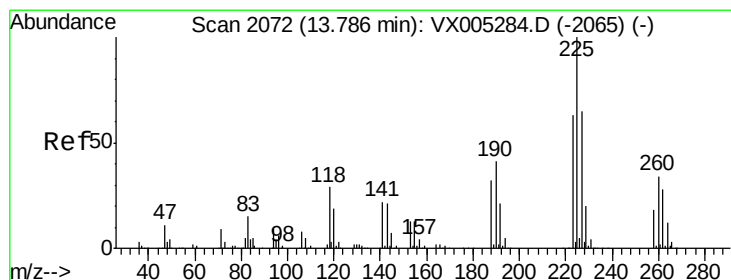
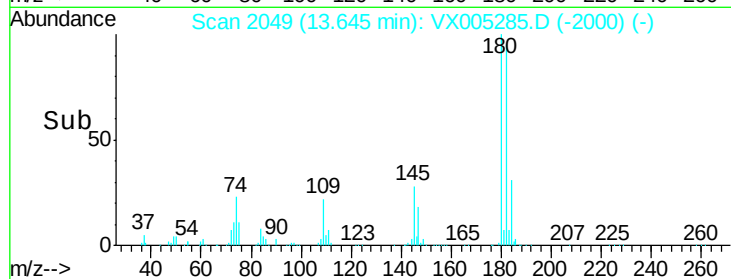
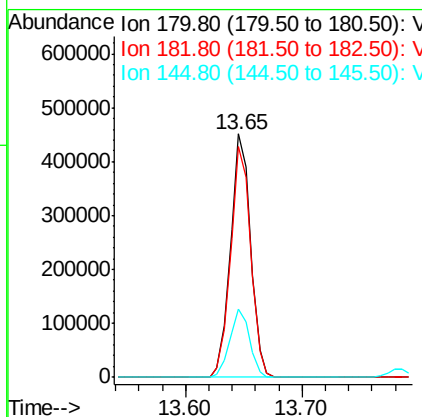
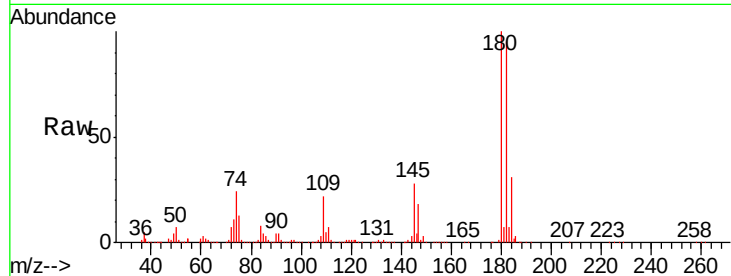
#93
 1,2,4-Trichlorobenzene
 Concen: 104.49 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	540922		
182	95.4	48.4	145.0	
145	27.8	14.3	42.9	

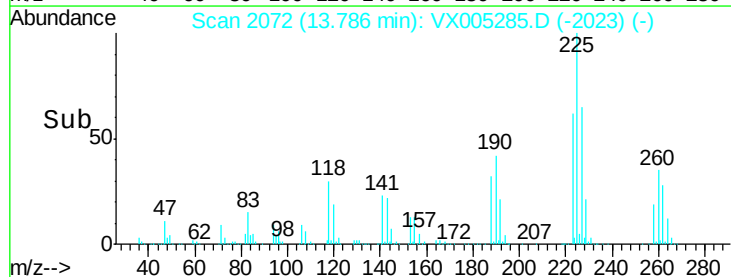
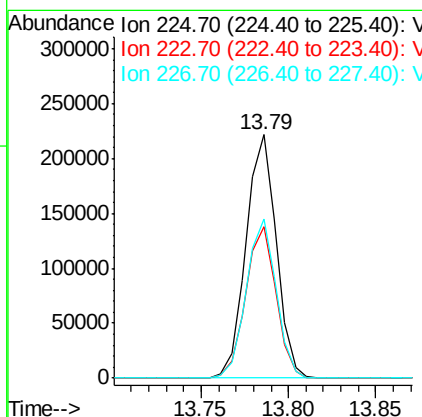
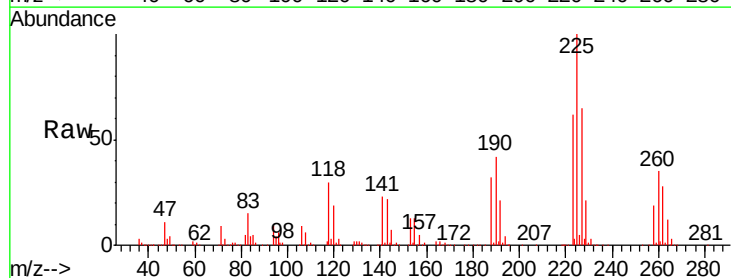
Manual Integrations
 APPROVED

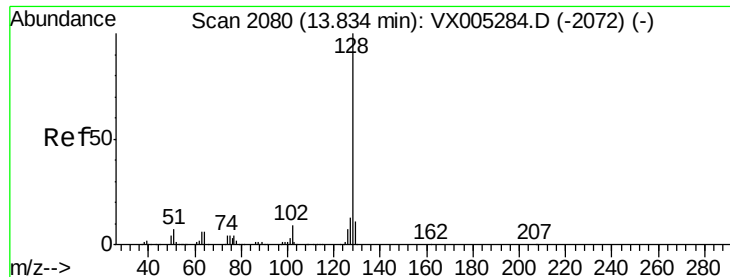
MMDadoda
 10/17/2018 9:04:35 AM



#94
 Hexachlorobutadiene
 Concen: 98.47 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005285.D
 Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	266261		
223	62.1	30.1	90.5	
227	64.4	30.8	92.4	





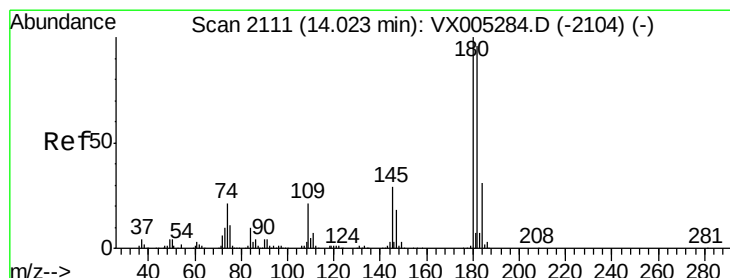
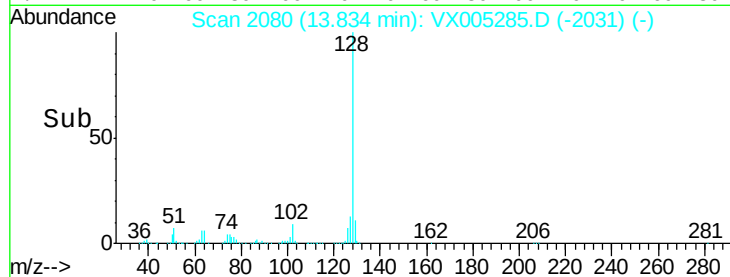
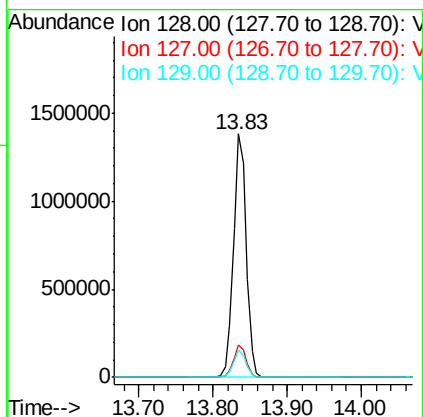
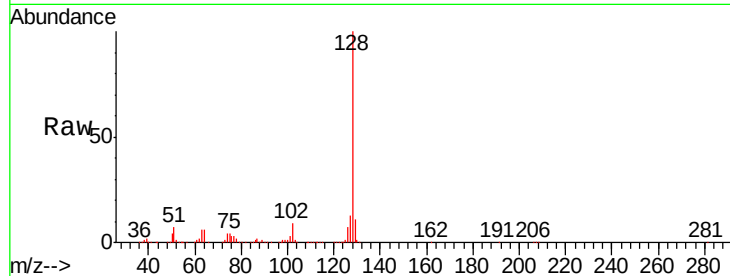
#95
Naphthalene
Concen: 114.31 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 103.08 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005285.D
Acq: 12 Oct 2018 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.6
145	29.8	14.9	44.9

