

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005282.D
 Acq On : 12 Oct 2018 09:12
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:21 AM

Quant Time: Oct 12 10:48:32 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	5.67	168	275696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	370434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188041	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	17804	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	
35) Dibromofluoromethane	5.50	113	14101	4.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.32%	
50) Toluene-d8	8.71	98	45318	3.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.98%	
62) 4-Bromofluorobenzene	11.14	95	15587	3.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	10049	3.89	ug/l	98
3) Chloromethane	1.32	50	15402	4.33	ug/l	99
4) Vinyl Chloride	1.40	62	15867	4.35	ug/l	98
5) Bromomethane	1.64	94	10131	5.82	ug/l	96
6) Chloroethane	1.71	64	9924	4.20	ug/l	# 82
7) Trichlorofluoromethane	1.92	101	22930	4.74	ug/l	99
8) Diethyl Ether	2.19	74	10059	4.64	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12676	4.13	ug/l	92
10) Methyl Iodide	2.51	142	8839	2.62	ug/l	97
11) Tert butyl alcohol	3.08	59	22394	26.40	ug/l	97
12) 1,1-Dichloroethene	2.37	96	12199	4.23	ug/l	95
13) Acrolein	2.29	56	18559	55.43	ug/l	93
14) Allyl chloride	2.73	41	28812	4.86	ug/l	93
15) Acrylonitrile	3.15	53	53163	26.03	ug/l	98
16) Acetone	2.45	43	48123	27.74	ug/l	91
17) Carbon Disulfide	2.56	76	37807	4.54	ug/l	98
18) Methyl Acetate	2.78	43	26030	5.35	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	44392	4.39	ug/l	96
20) Methylene Chloride	2.85	84	15615	4.39	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	14575	4.58	ug/l	95
22) Diisopropyl ether	3.87	45	46206	4.33	ug/l	# 94
23) Vinyl Acetate	3.82	43	206776	23.96	ug/l	96
24) 1,1-Dichloroethane	3.69	63	28264	4.69	ug/l	95
25) 2-Butanone	4.71	43	67284	24.37	ug/l	91
26) 2,2-Dichloropropane	4.59	77	19839	4.80	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	15463	4.35	ug/l	92
28) Bromochloromethane	5.01	49	12822	4.65	ug/l	90
29) Tetrahydrofuran	5.16	42	42360	25.44	ug/l	# 88
30) Chloroform	5.22	83	25218	4.29	ug/l	# 80
31) Cyclohexane	5.57	56	20747	4.03	ug/l	88
32) 1,1,1-Trichloroethane	5.48	97	21380	4.52	ug/l	98
36) 1,1-Dichloropropene	5.79	75	18253	4.06	ug/l	98
37) Ethyl Acetate	4.86	43	24349	4.76	ug/l	99
38) Carbon Tetrachloride	5.77	117	19858	4.52	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	20893	4.45	ug/l	88
40) Benzene	6.14	78	59003	4.42	ug/l	97
41) Methacrylonitrile	5.06	41	12984	4.61	ug/l	96
42) 1,2-Dichloroethane	6.20	62	21119	4.77	ug/l	98
43) Isopropyl Acetate	6.47	43	31555	4.64	ug/l	96
44) Trichloroethene	7.21	130	16239	4.68	ug/l	90
45) 1,2-Dichloropropane	7.52	63	14442	4.50	ug/l	92
46) Dibromomethane	7.66	93	9092	4.48	ug/l	98
47) Bromodichloromethane	7.90	83	17655	4.60	ug/l	90
48) Methyl methacrylate	7.77	41	15522	4.62	ug/l	94
49) 1,4-Dioxane	7.76	88	7117	89.44	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	107383	22.40	ug/l	95
52) Toluene	8.79	92	30908	3.93	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	16872	3.77	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	18650	4.08	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	13399	3.96	ug/l	96
56) Ethyl methacrylate	9.18	69	16824	3.51	ug/l	93
57) 1,3-Dichloropropane	9.37	76	22090	4.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	51997	23.67	ug/l	95
59) 2-Hexanone	9.50	43	85842	23.34	ug/l	89
60) Dibromochloromethane	9.59	129	12687	3.98	ug/l	98
61) 1,2-Dibromoethane	9.67	107	14001	4.33	ug/l	97
64) Tetrachloroethene	9.34	164	13902	3.27	ug/l	98
65) Chlorobenzene	10.14	112	36317	4.29	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	12486	4.28	ug/l	97
67) Ethyl Benzene	10.25	91	55786	4.05	ug/l	99
68) m/p-Xylenes	10.36	106	43719	8.25	ug/l	97
69) o-Xylene	10.70	106	21006	4.12	ug/l	97
70) Styrene	10.71	104	33353	3.95	ug/l	98
71) Bromoform	10.86	173	10585	4.42	ug/l #	99
73) Isopropylbenzene	11.02	105	54828	4.43	ug/l	100
74) N-amyl acetate	10.90	43	24950	4.79	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	21955	5.50	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	19030m	5.03	ug/l	
77) Bromobenzene	11.26	156	16628	4.86	ug/l	99
78) n-propylbenzene	11.36	91	62467	4.39	ug/l	98
79) 2-Chlorotoluene	11.42	91	39194	4.54	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	46953	4.51	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	5428	4.57	ug/l #	87
82) 4-Chlorotoluene	11.51	91	46191	4.58	ug/l	99
83) tert-Butylbenzene	11.77	119	46040	4.65	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	47428	4.46	ug/l	99
85) sec-Butylbenzene	11.94	105	56522	4.48	ug/l	99
86) p-Isopropyltoluene	12.07	119	49325	4.42	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	30051	4.71	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	32525	4.93	ug/l	94
89) n-Butylbenzene	12.39	91	43721	4.30	ug/l	95
90) Hexachloroethane	12.60	117	8265	4.63	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	30879	4.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	5066	5.94	ug/l	91

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MSVOA_X
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VSTDICC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	21497	4.70	ug/l	99
94) Hexachlorobutadiene	13.79	225	12136	5.08	ug/l	98
95) Naphthalene	13.83	128	57494	4.48	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	21963	4.67	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 275696

Ion Ratio Lower Upper

168 100

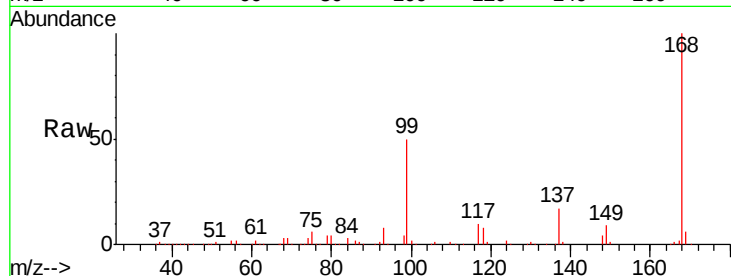
99 49.8 39.9 59.9

Manual Integrations

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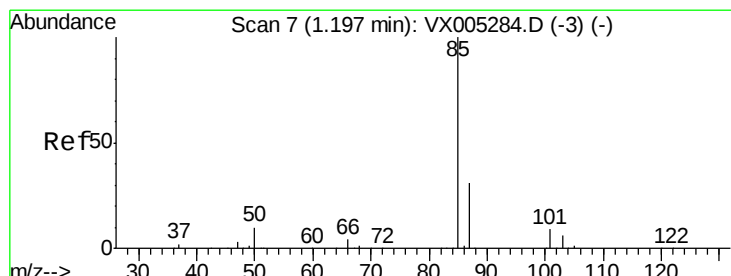
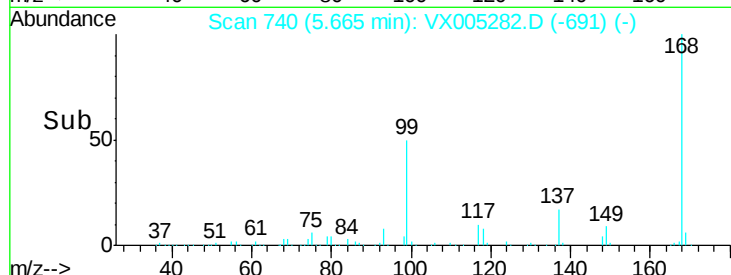
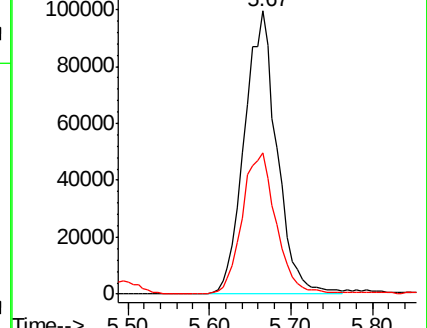
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 3.89 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005282.D

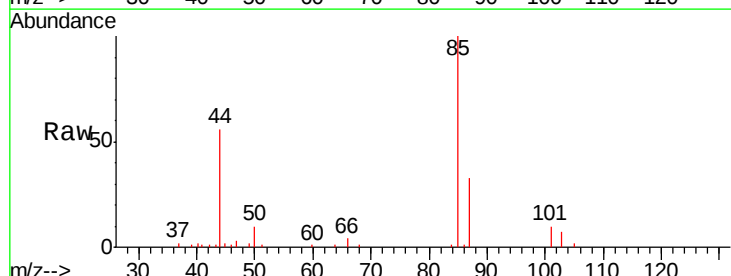
Acq: 12 Oct 2018 09:12

Tgt Ion: 85 Resp: 10049

Ion Ratio Lower Upper

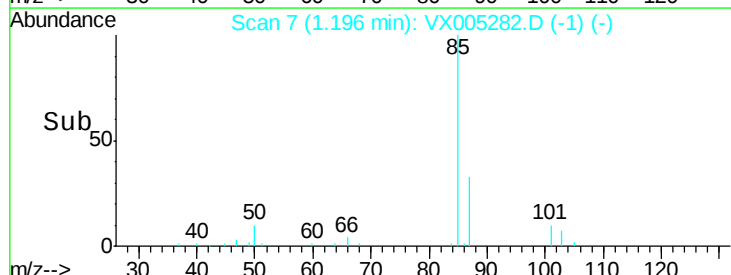
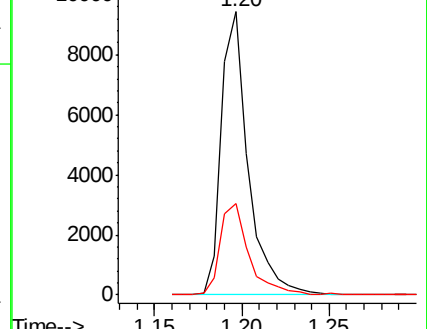
85 100

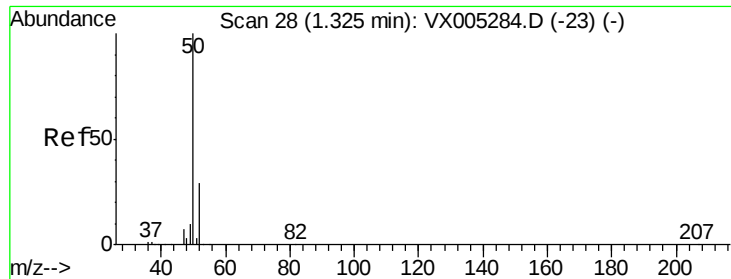
87 32.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.33 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 15402

Ion Ratio Lower Upper

50 100

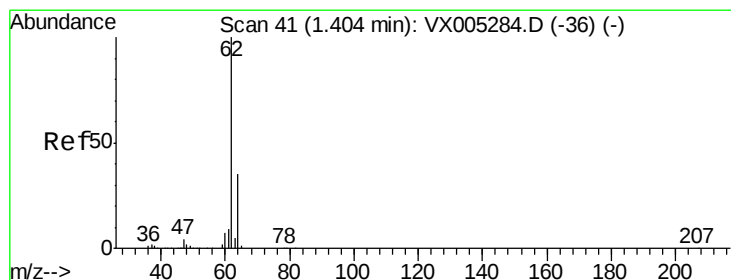
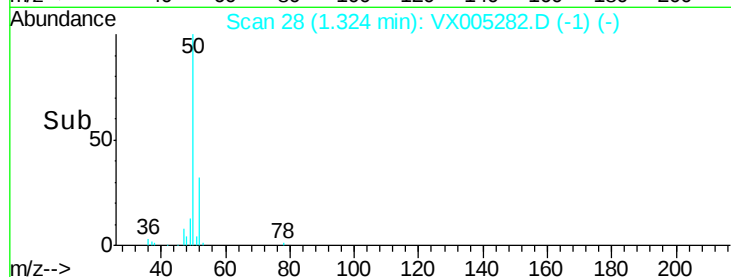
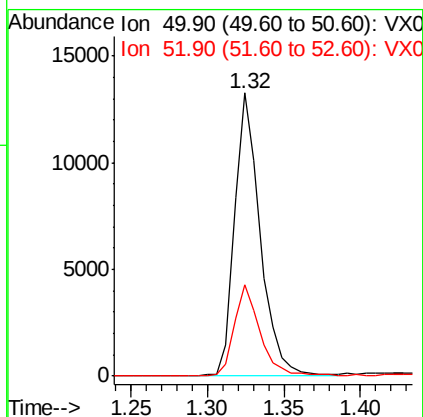
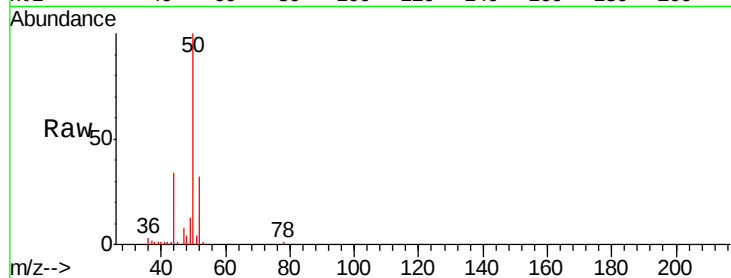
52 32.1 26.2 39.2

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#4

Vinyl Chloride

Concen: 4.35 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005282.D

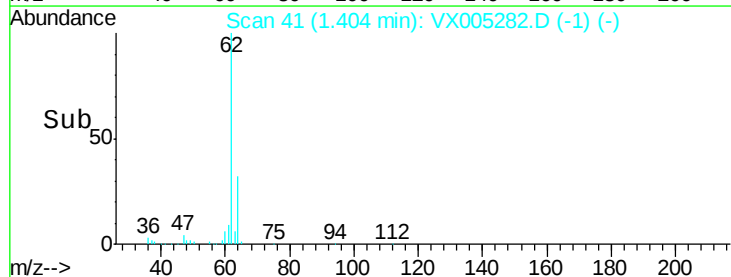
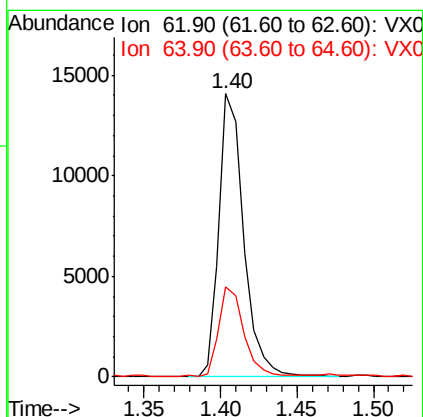
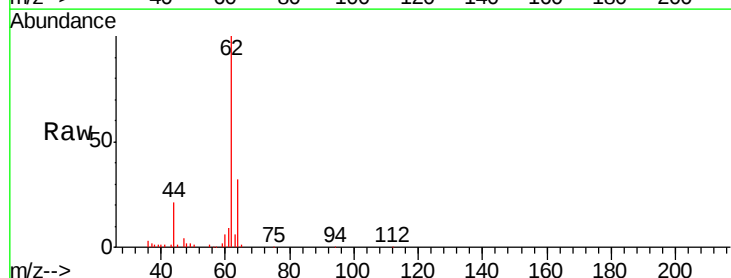
Acq: 12 Oct 2018 09:12

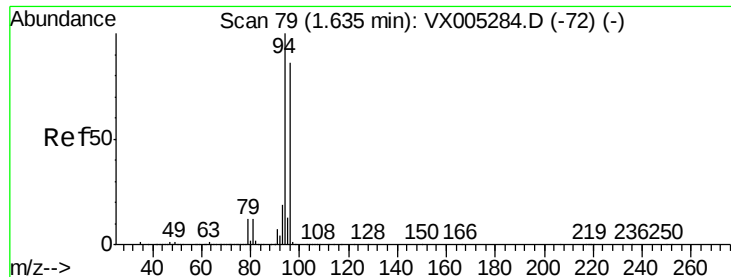
Tgt Ion: 62 Resp: 15867

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 5.82 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 10131

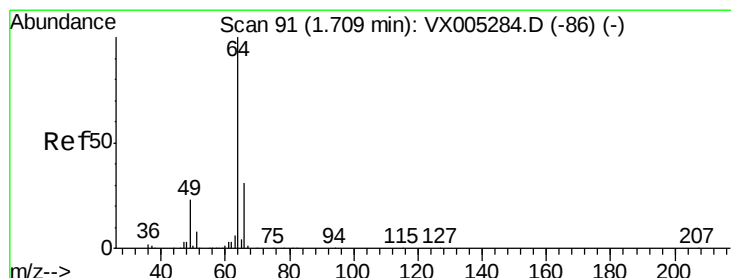
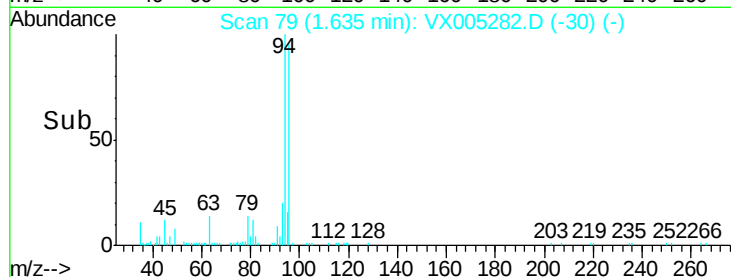
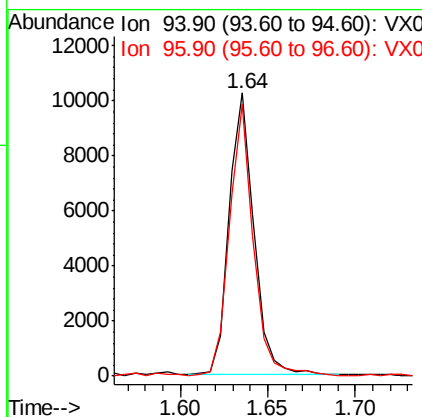
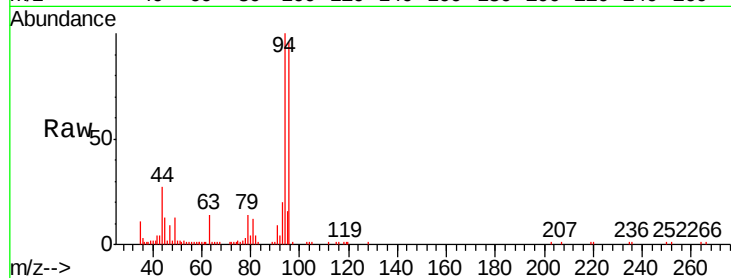
Ion Ratio Lower Upper

94 100

96 96.5 74.5 111.7

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#6

Chloroethane

Concen: 4.20 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX005282.D

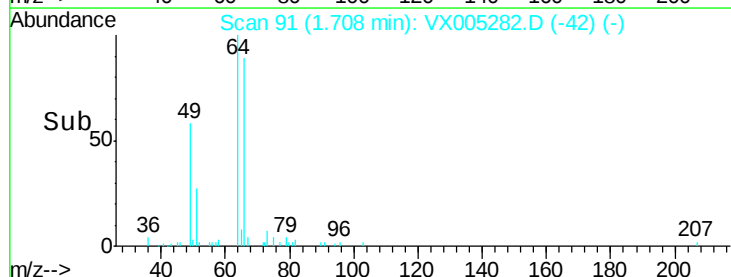
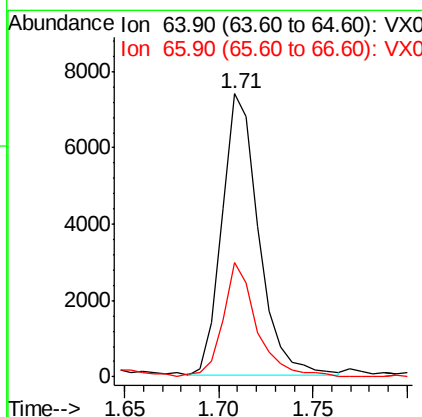
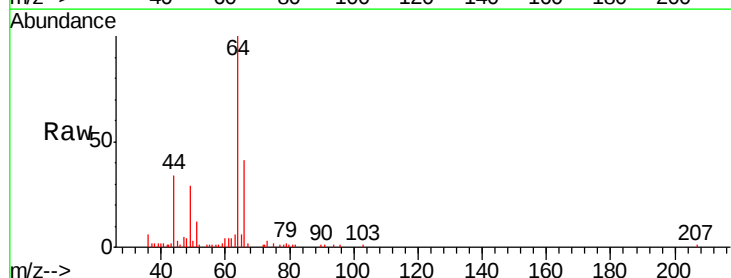
Acq: 12 Oct 2018 09:12

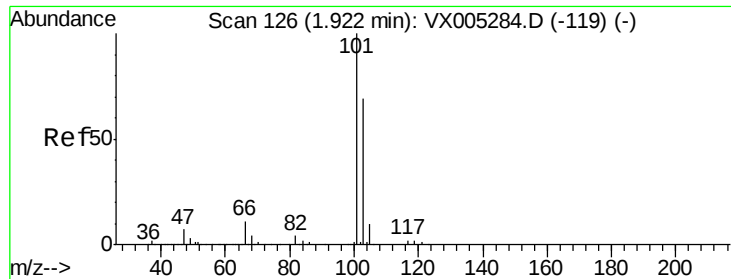
Tgt Ion: 64 Resp: 9924

Ion Ratio Lower Upper

64 100

66 40.8 24.6 36.8#





#7

Trichlorofluoromethane

Concen: 4.74 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

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ClientSampleId :

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Tgt Ion:101 Resp: 22930

Ion Ratio Lower Upper

101 100

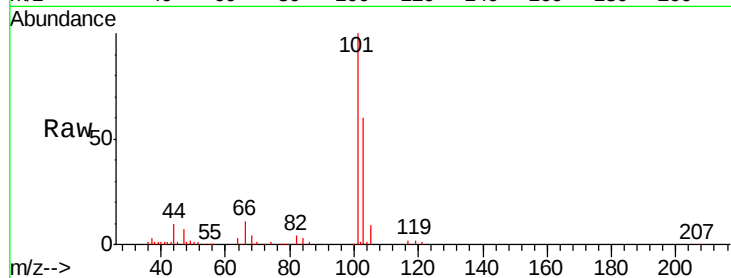
103 60.1 48.9 73.3

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

15000

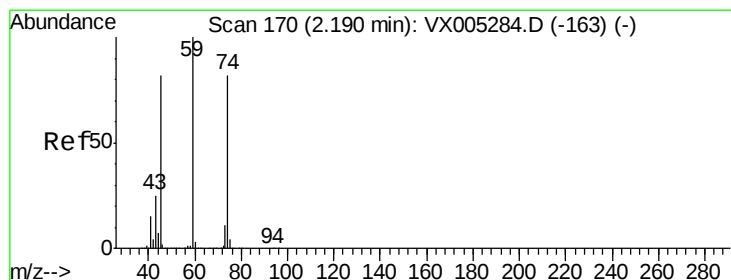
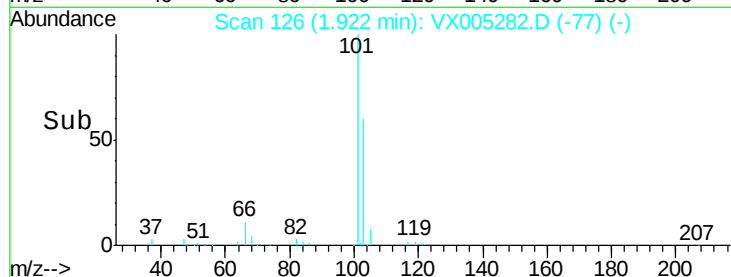
10000

5000

0

Time-->

1.85 1.90 1.95 2.00 2.05



#8

Diethyl Ether

Concen: 4.64 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005282.D

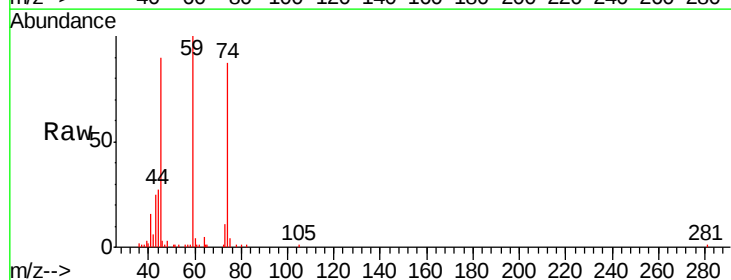
Acq: 12 Oct 2018 09:12

Tgt Ion: 74 Resp: 10059

Ion Ratio Lower Upper

74 100

45 106.6 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

8000

6000

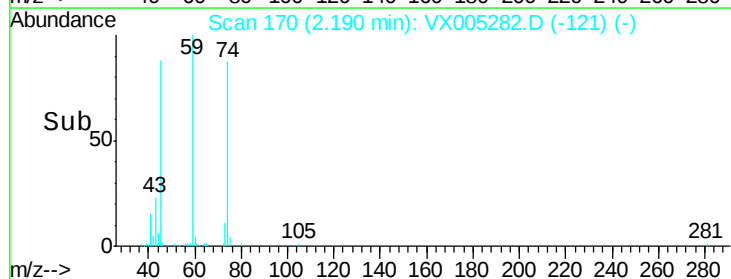
4000

2000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.13 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

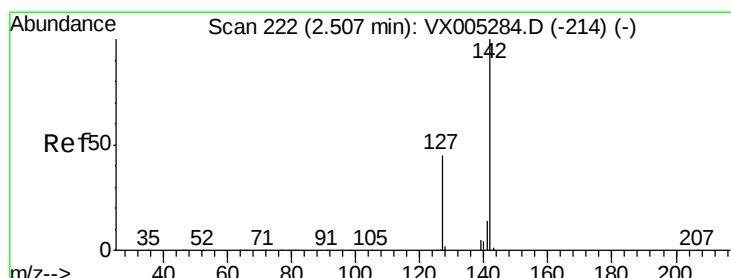
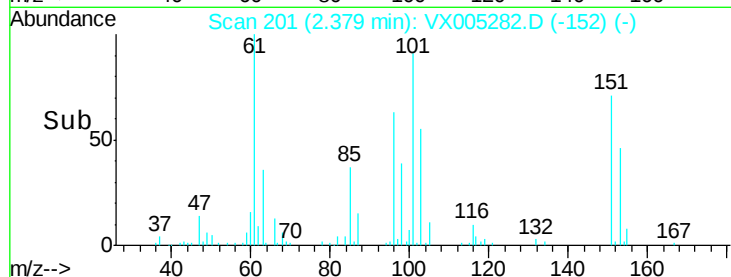
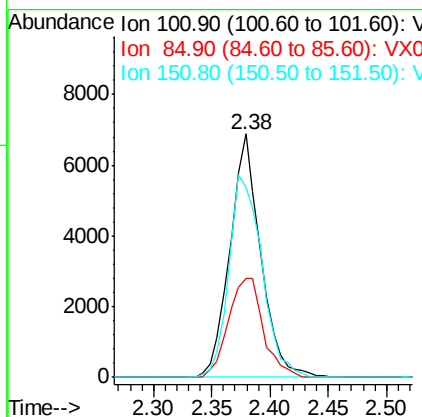
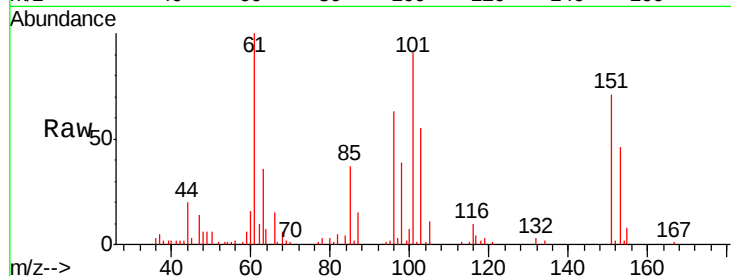
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	12676
Ion Ratio	Lower	Upper	
101	100		
85	46.1	34.2	51.4
151	89.7	65.0	97.6

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#10

Methyl Iodide

Concen: 2.62 ug/l

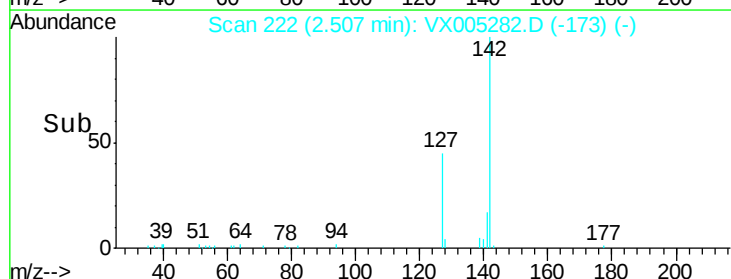
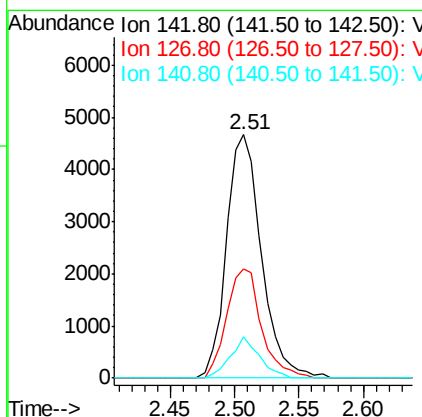
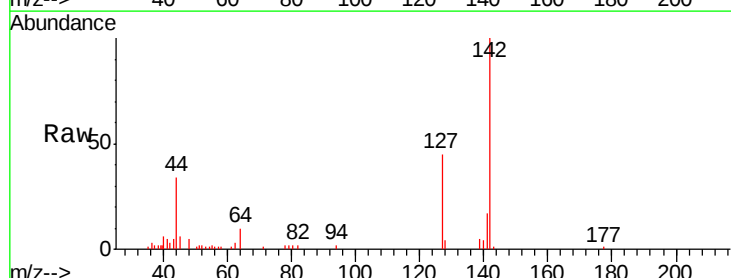
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Tgt Ion:	142	Resp:	8839
Ion Ratio	Lower	Upper	
142	100		
127	44.9	33.8	50.6
141	14.1	11.4	17.0





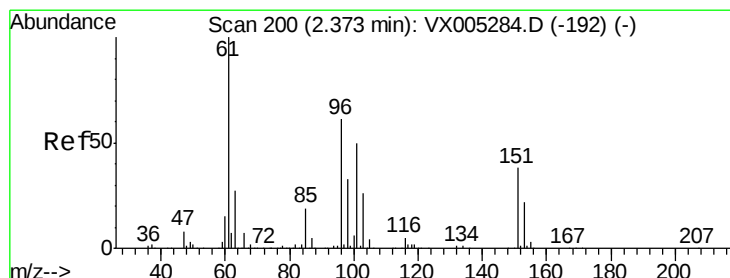
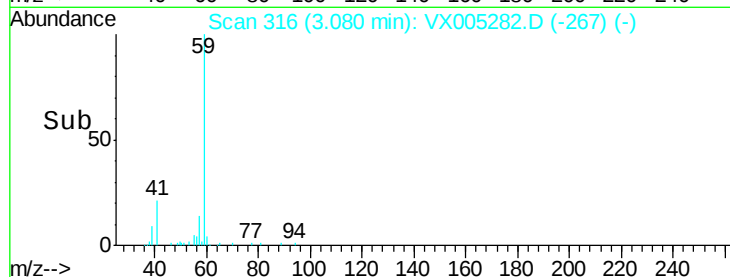
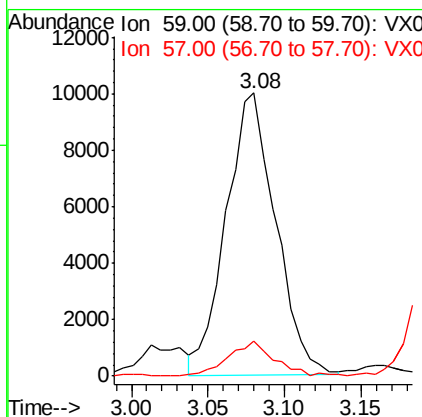
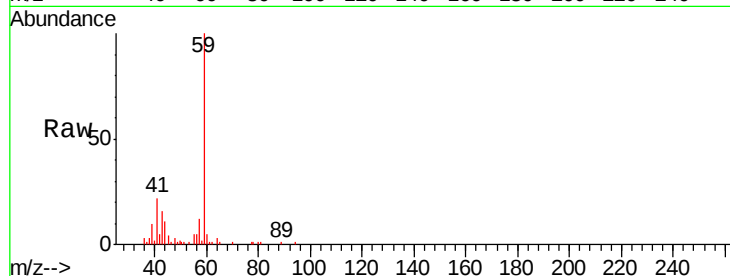
#11
Tert butyl alcohol
Concen: 26.40 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 22394
Ion Ratio Lower Upper
59 100
57 11.4 8.2 12.4

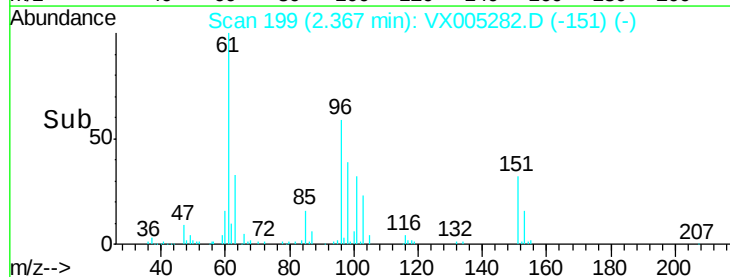
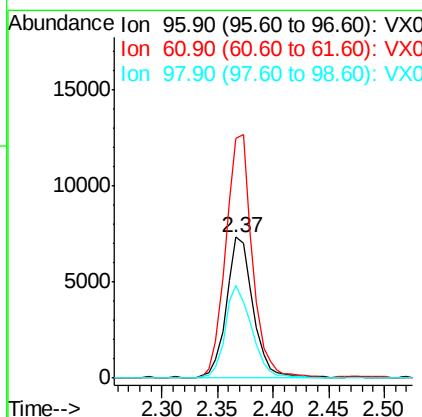
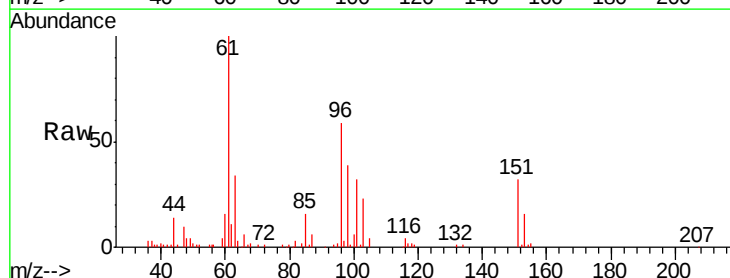
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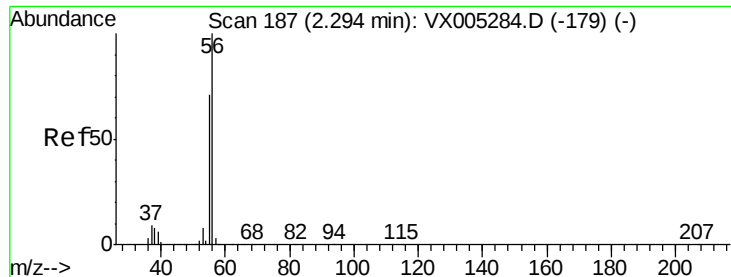
MMDadoda
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#12
1,1-Dichloroethene
Concen: 4.23 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion: 96 Resp: 12199
Ion Ratio Lower Upper
96 100
61 170.1 128.8 193.2
98 65.9 52.2 78.2





#13

Acrolein

Concen: 55.43 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 18559

Ion Ratio Lower Upper

56 100

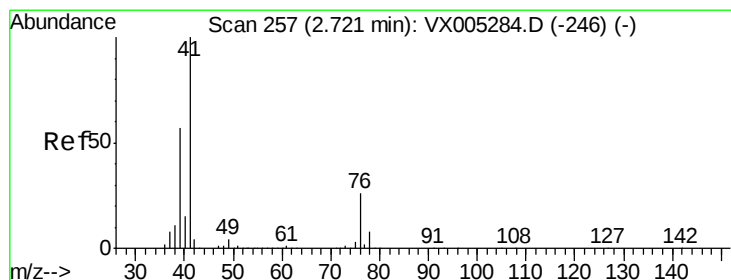
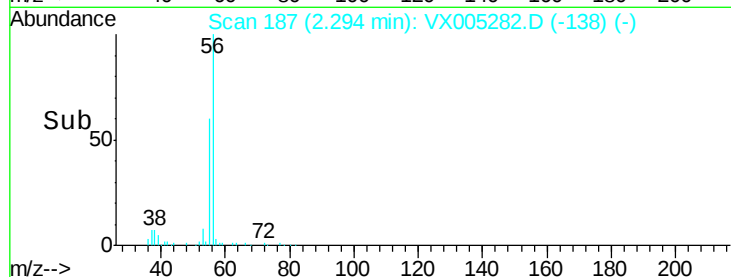
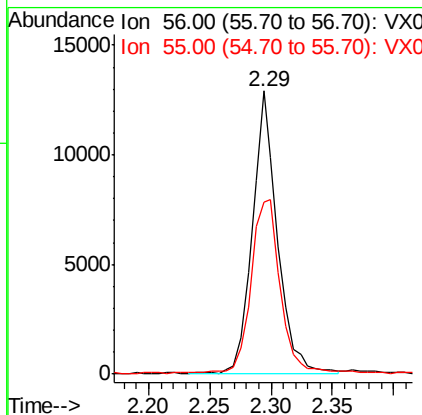
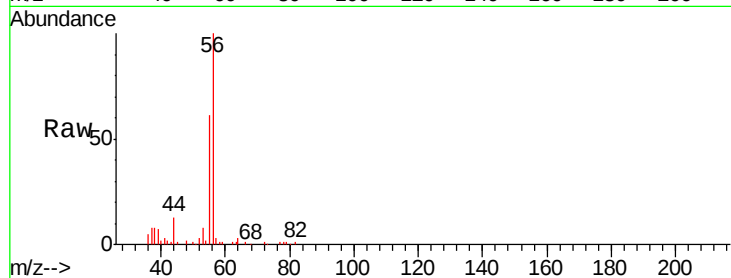
55 74.0 54.7 82.1

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#14

Allyl chloride

Concen: 4.86 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

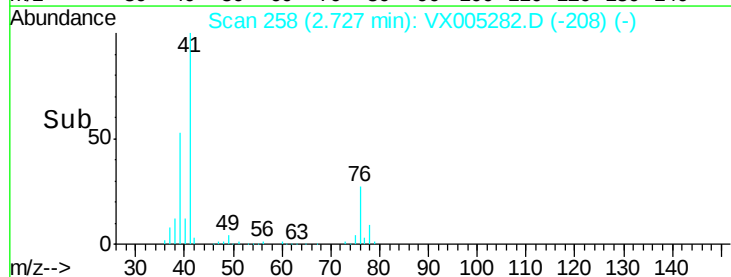
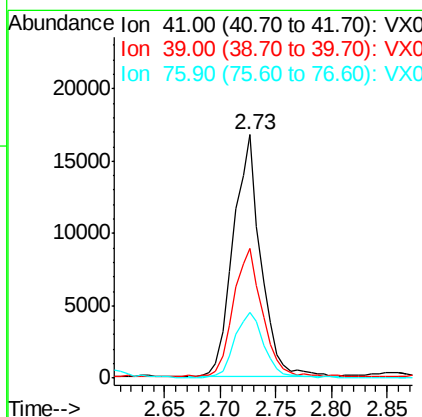
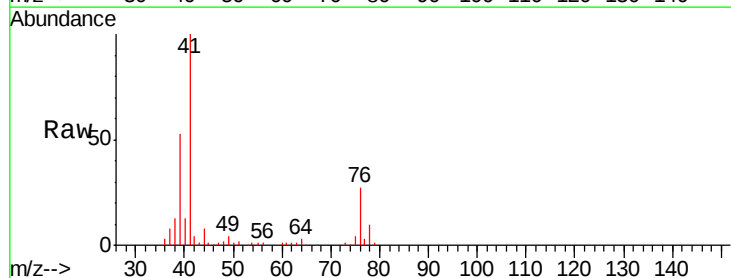
Tgt Ion: 41 Resp: 28812

Ion Ratio Lower Upper

41 100

39 55.4 48.9 73.3

76 29.3 26.7 40.1





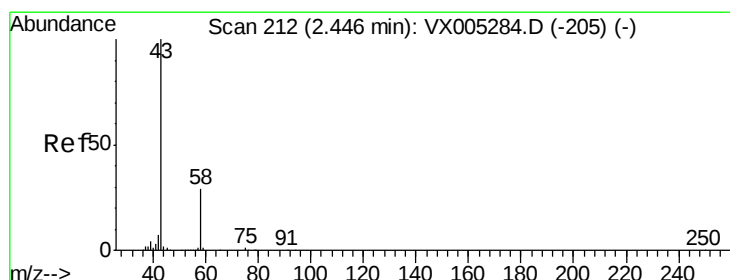
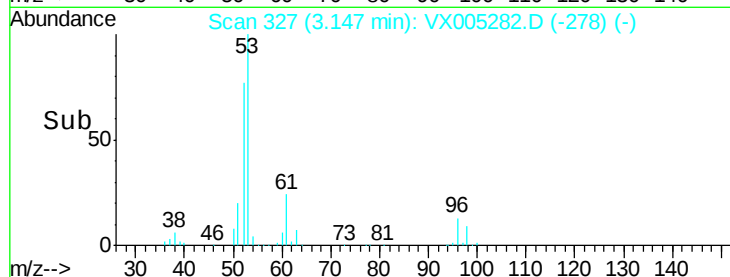
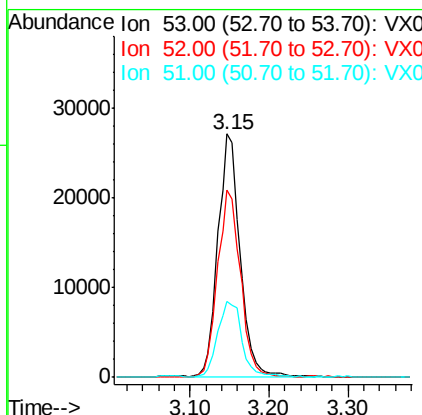
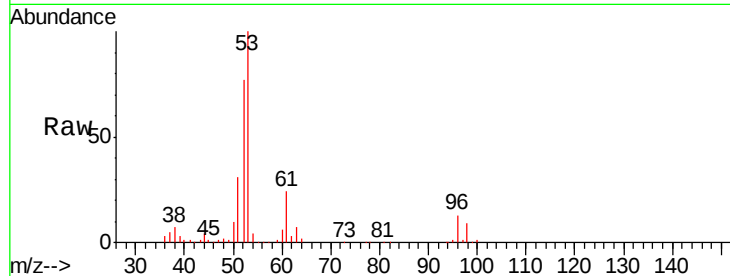
#15
 Acrylonitrile
 Concen: 26.03 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.2	97.8
51	34.2	28.2	42.2

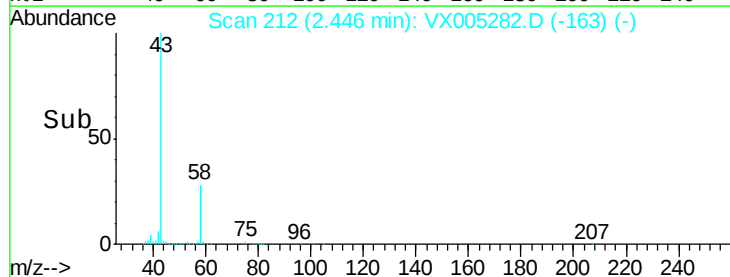
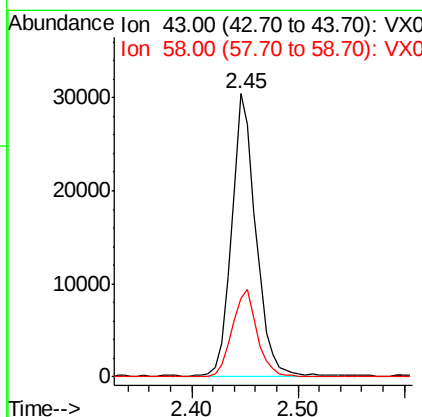
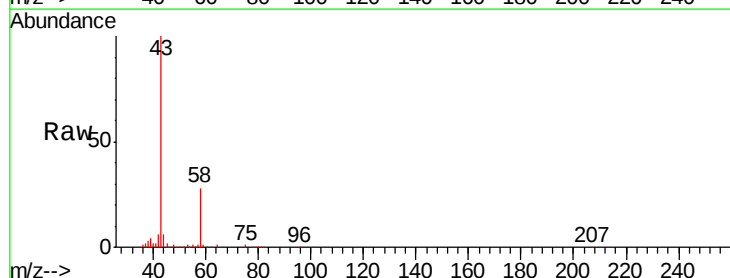
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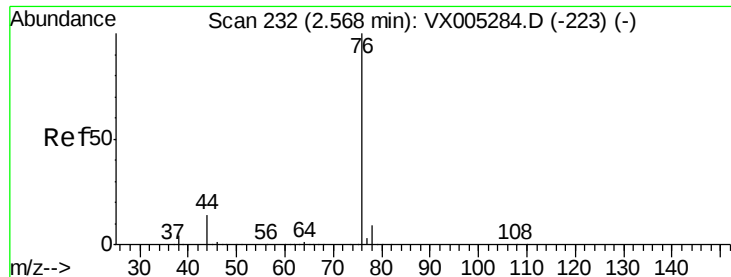
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#16
 Acetone
 Concen: 27.74 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.0	26.2	39.4





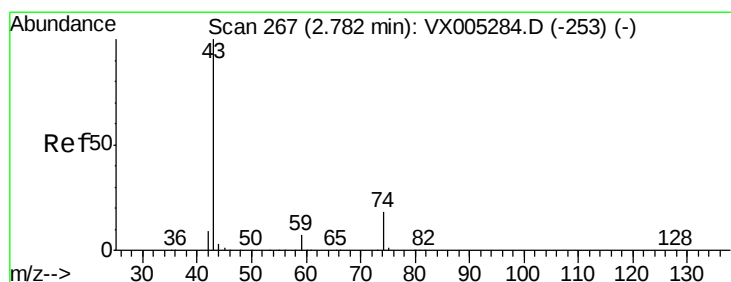
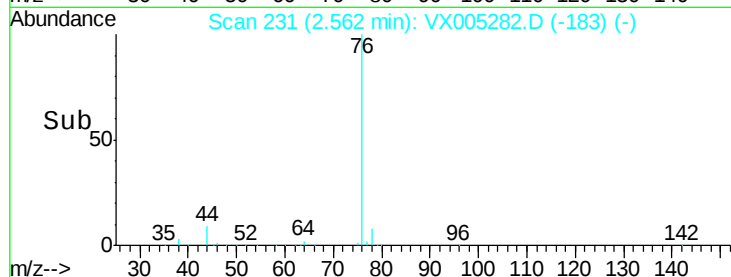
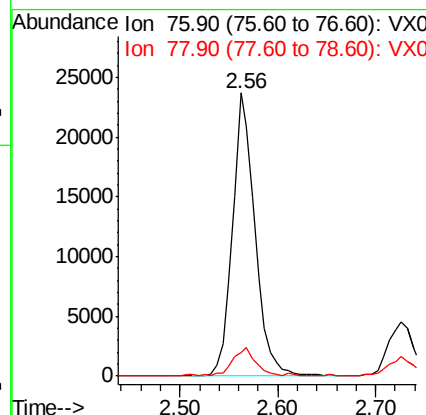
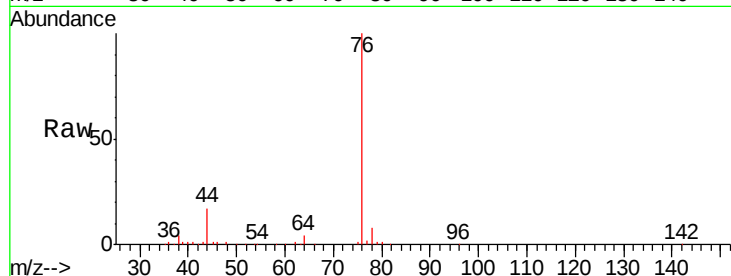
#17
Carbon Disulfide
Concen: 4.54 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 37807
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.6

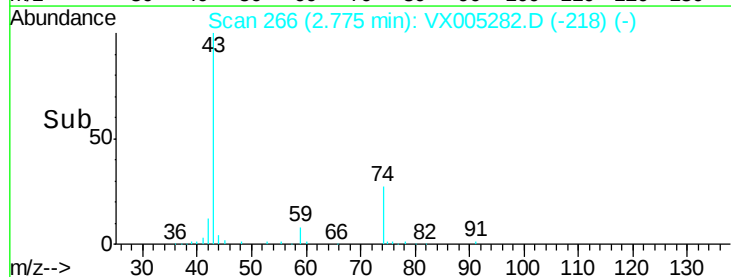
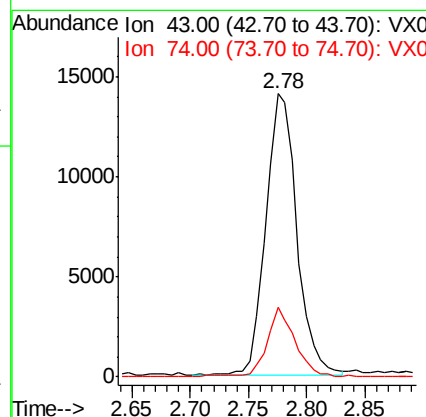
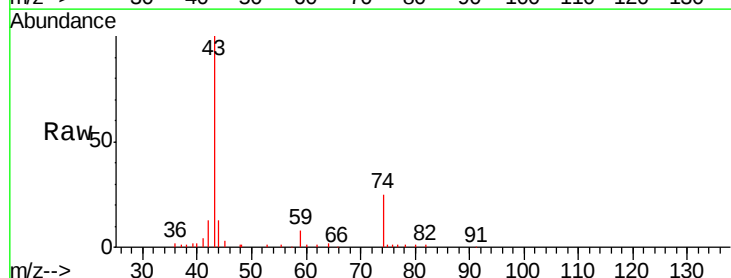
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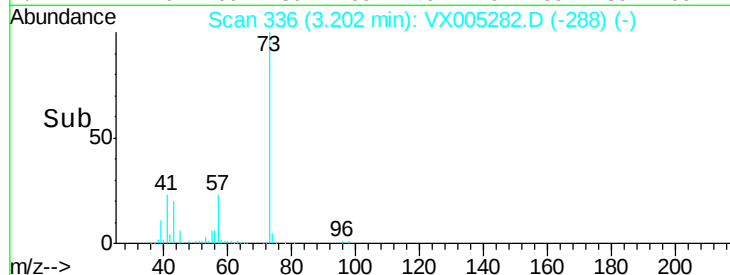
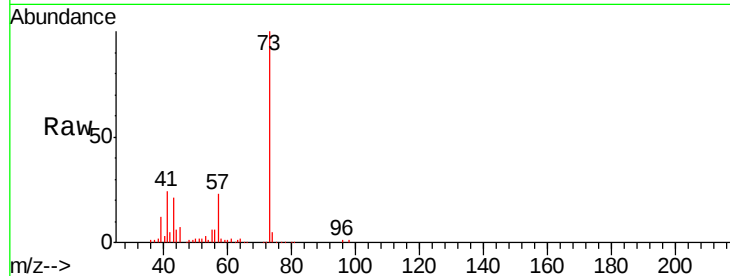
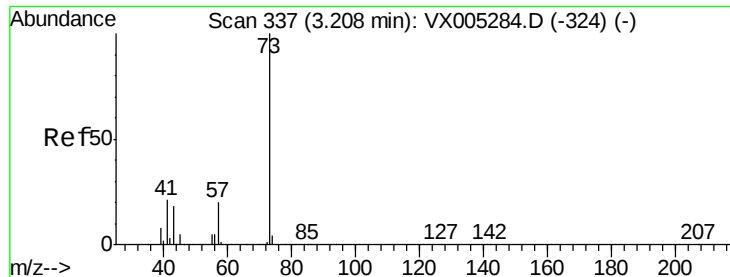
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#18
Methyl Acetate
Concen: 5.35 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion: 43 Resp: 26030
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2





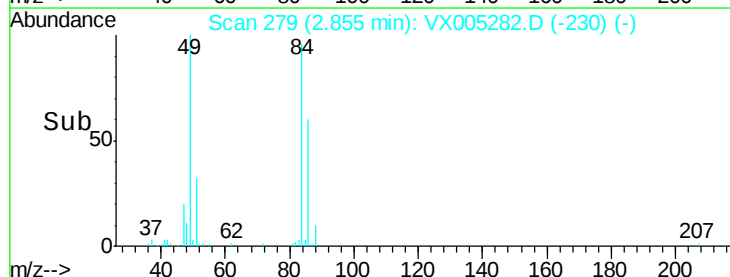
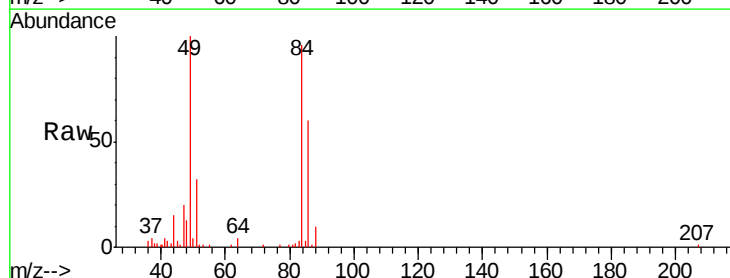
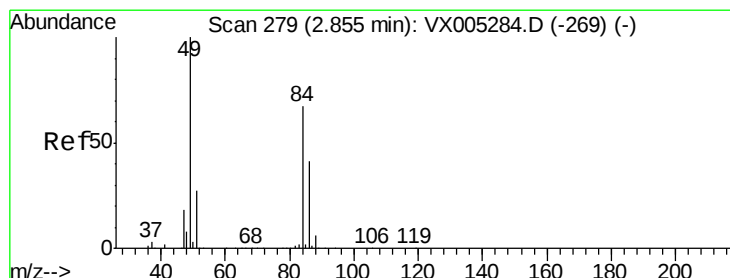
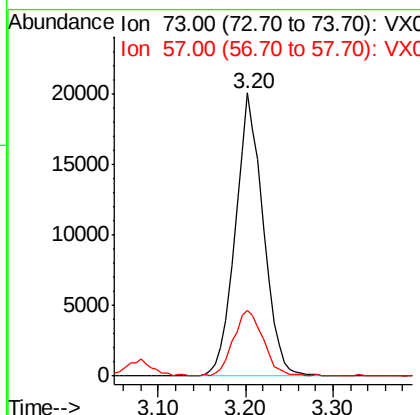
#19
Methyl tert-butyl Ether
Concen: 4.39 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion: 73 Resp: 44392
Ion Ratio Lower Upper
73 100
57 23.2 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

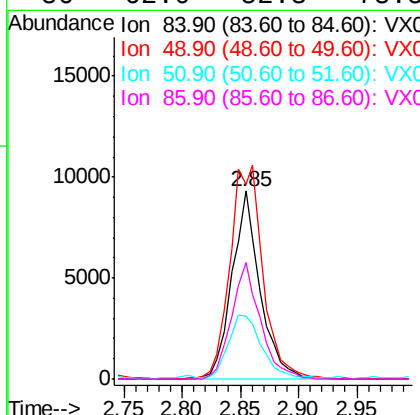
Manual Integrations
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#20
Methylene Chloride
Concen: 4.39 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion: 84 Resp: 15615
Ion Ratio Lower Upper
84 100
49 103.9 101.2 151.8
51 32.4 29.5 44.3
86 62.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 4.58 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

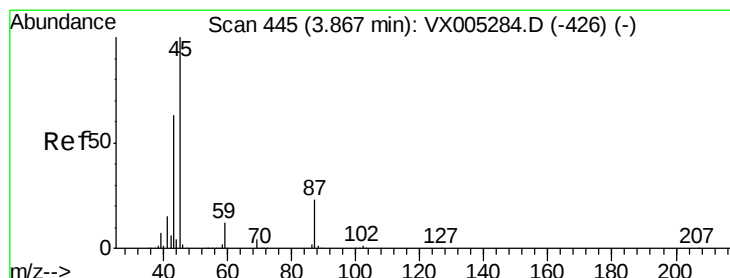
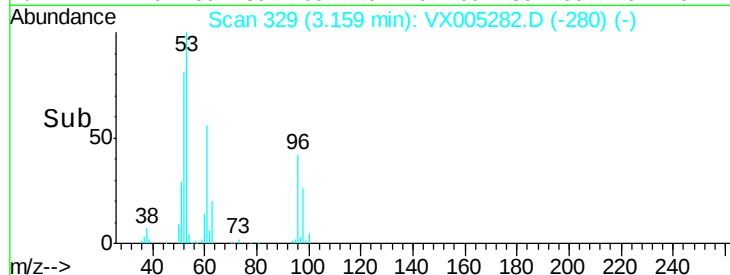
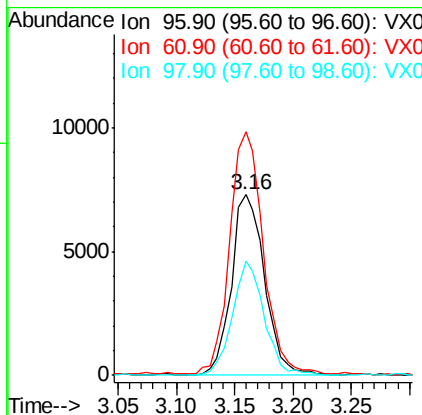
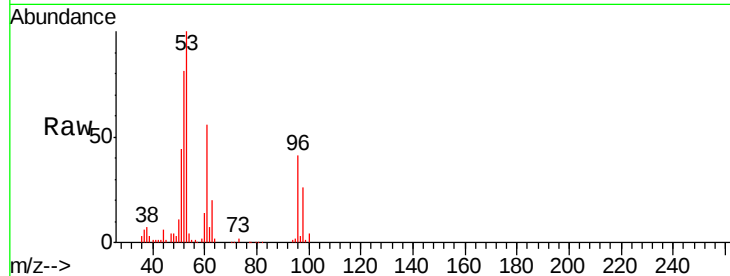
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	14575
Ion	Ratio	Lower	Upper
96	100		
61	133.8	113.8	170.6
98	63.1	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.33 ug/l

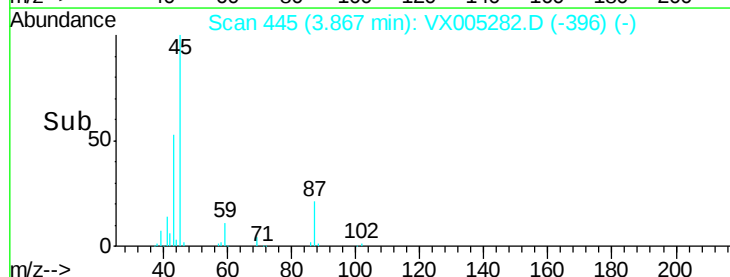
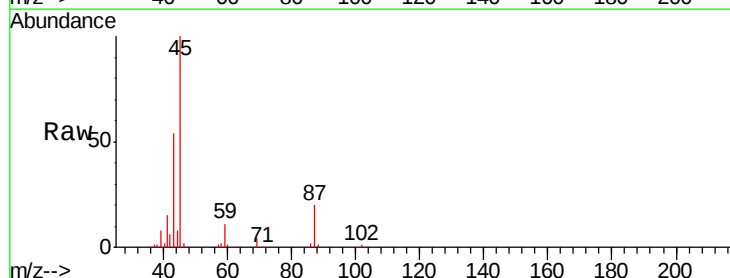
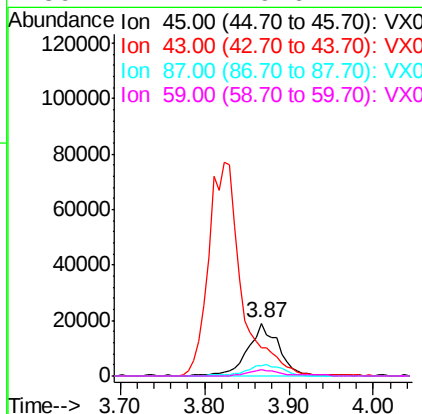
RT: 3.87 min Scan# 445

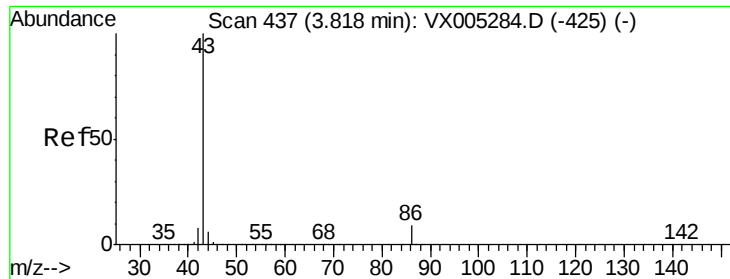
Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Tgt Ion:	45	Resp:	46206
Ion	Ratio	Lower	Upper
45	100		
43	51.3	42.8	64.2
87	20.6	22.6	34.0#
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 23.96 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 206776

Ion Ratio Lower Upper

43 100

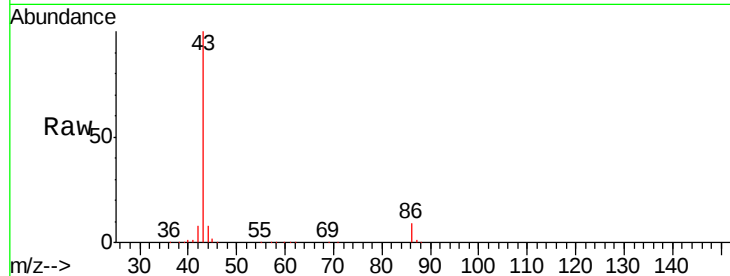
86 9.5 8.9 13.3

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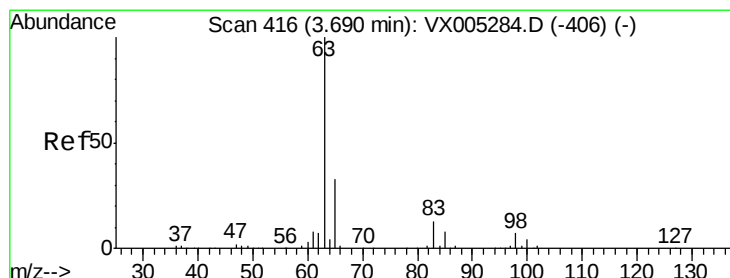
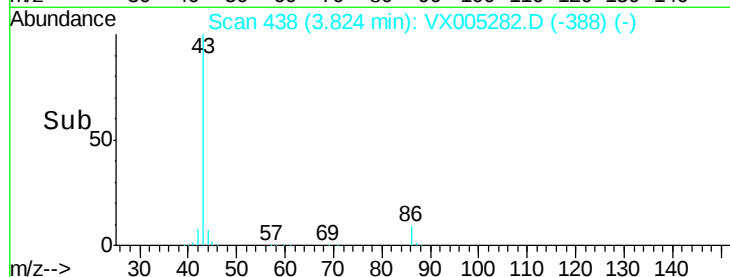
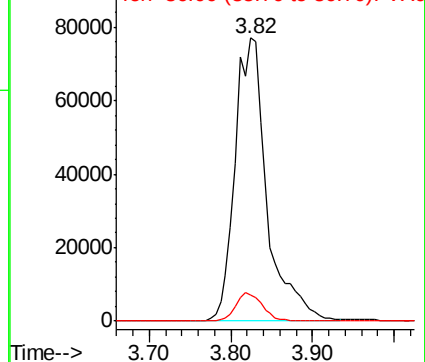
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 4.69 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

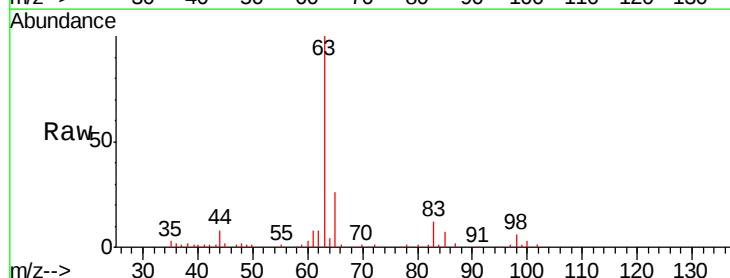
Tgt Ion: 63 Resp: 28264

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.4

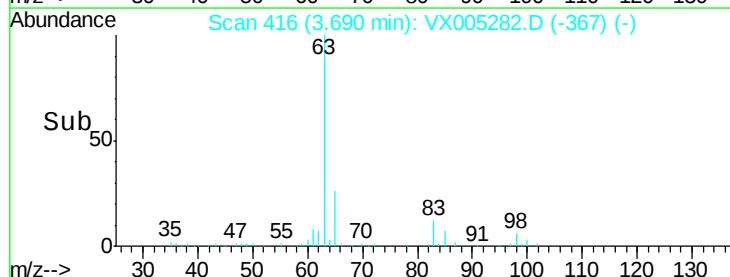
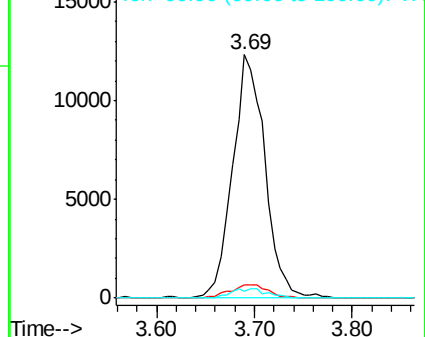
100 2.8 2.4 7.1

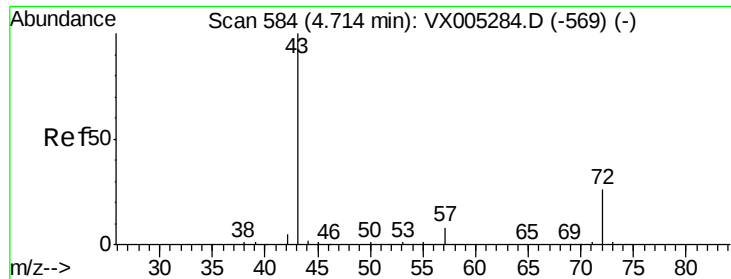


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 24.37 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 67284

Ion Ratio Lower Upper

43 100

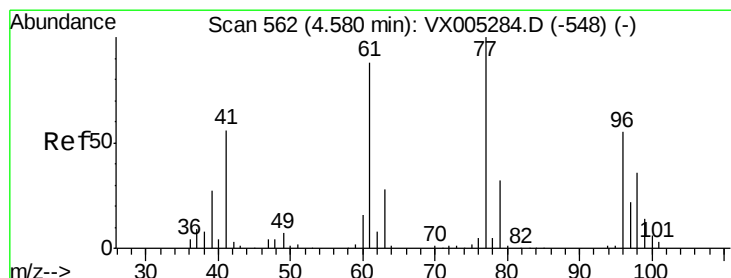
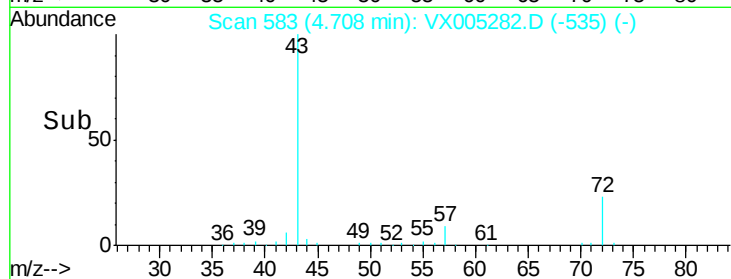
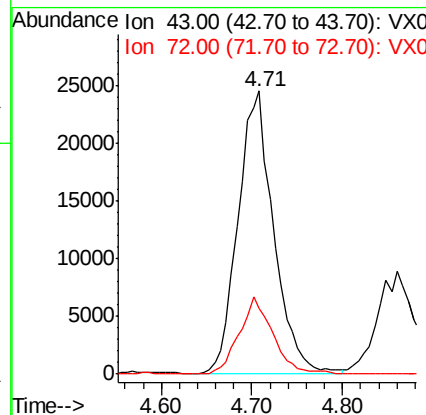
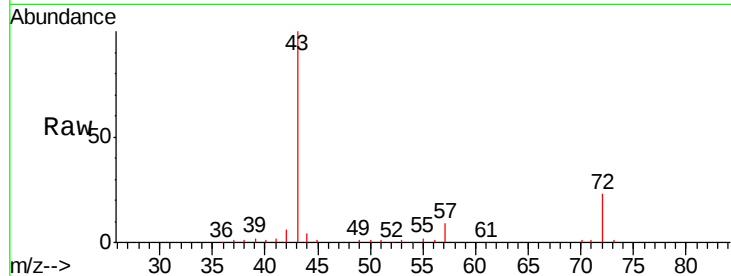
72 23.1 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 4.80 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005282.D

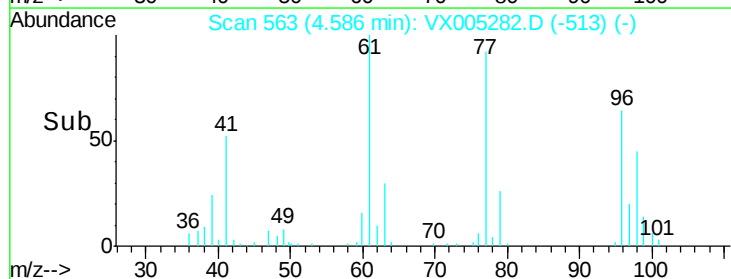
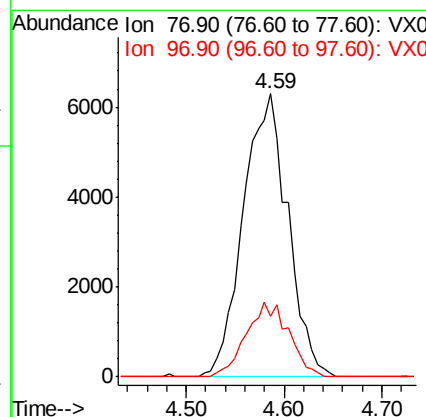
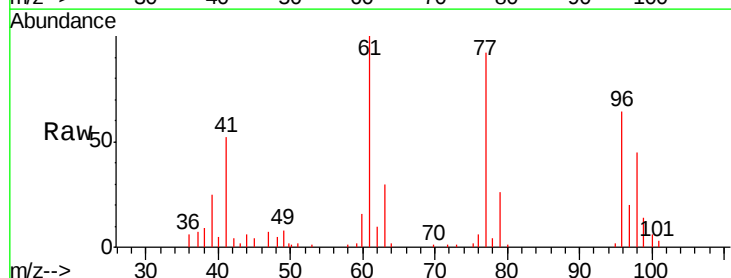
Acq: 12 Oct 2018 09:12

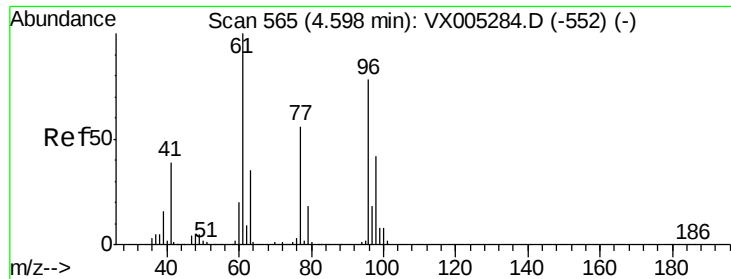
Tgt Ion: 77 Resp: 19839

Ion Ratio Lower Upper

77 100

97 25.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 4.35 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

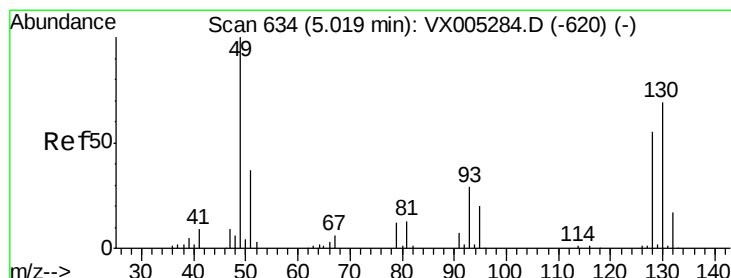
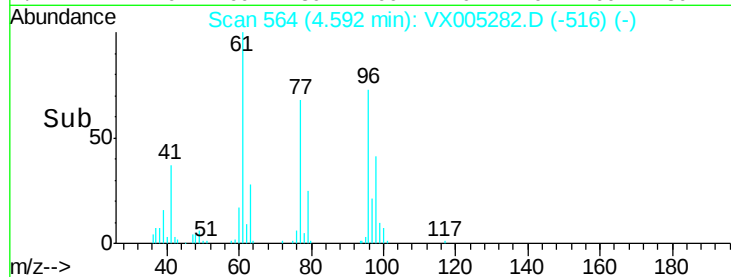
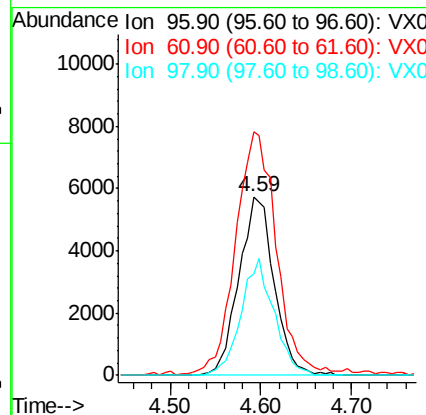
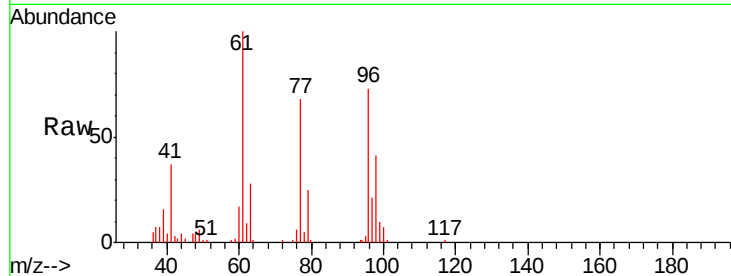
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	15463
Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	282.6
98	61.1	0.0	130.2

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#28

Bromochloromethane

Concen: 4.65 ug/l

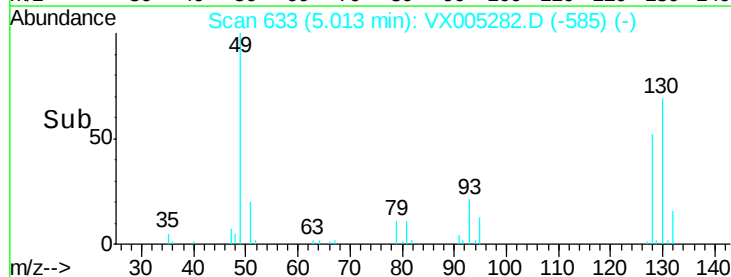
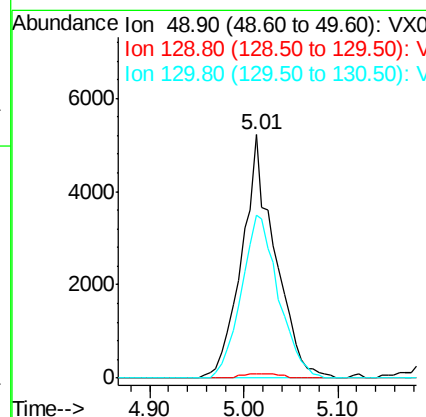
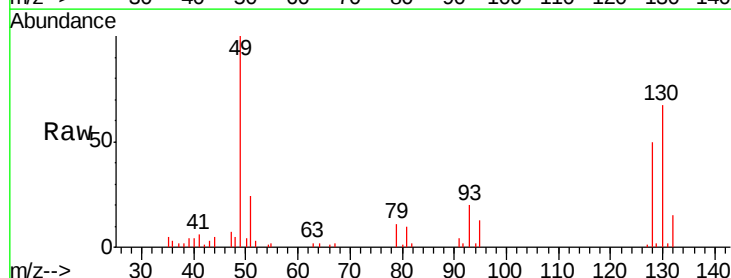
RT: 5.01 min Scan# 633

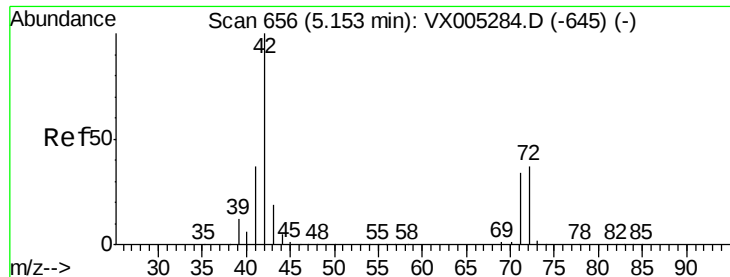
Delta R.T. -0.01 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Tgt Ion:	49	Resp:	12822
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	75.0	67.5	101.3





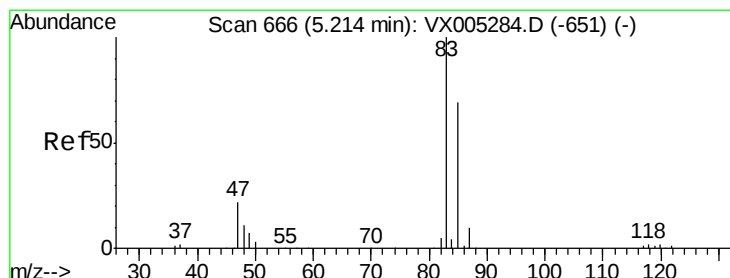
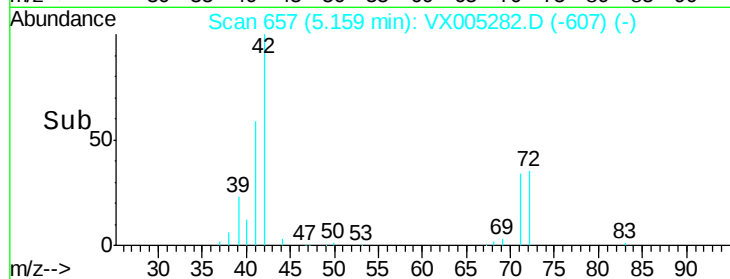
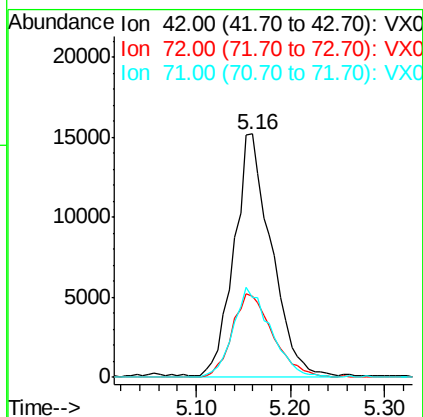
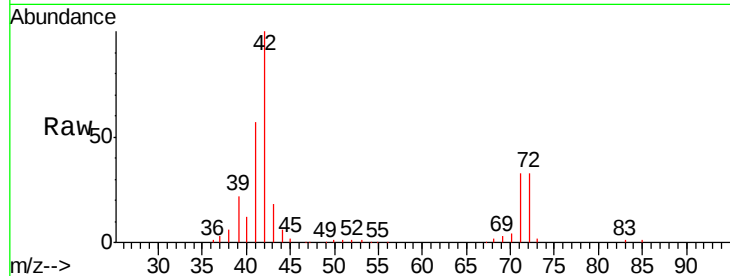
#29
Tetrahydrofuran
Concen: 25.44 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.0	37.4	56.0#
71	37.0	34.5	51.7

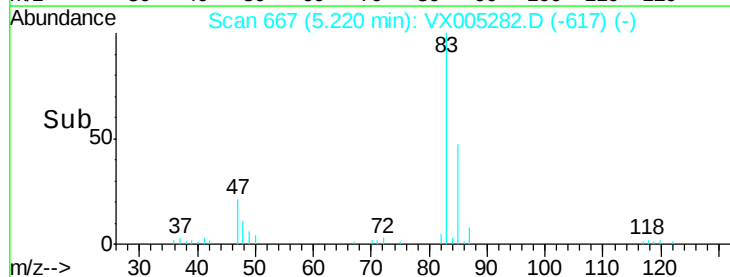
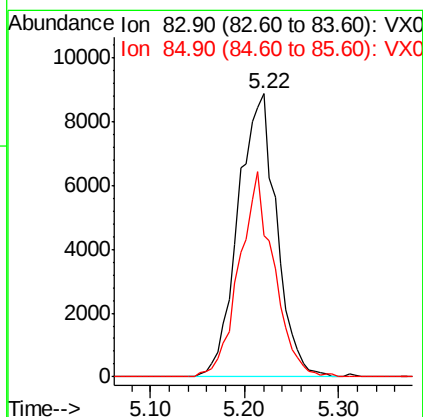
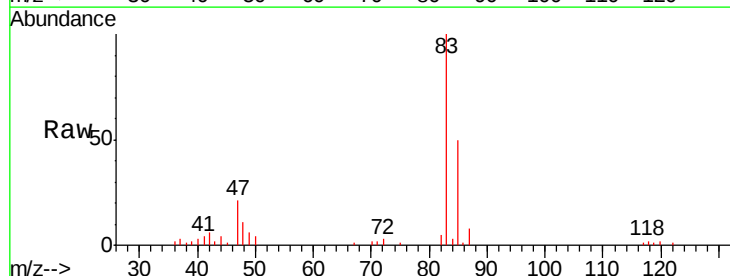
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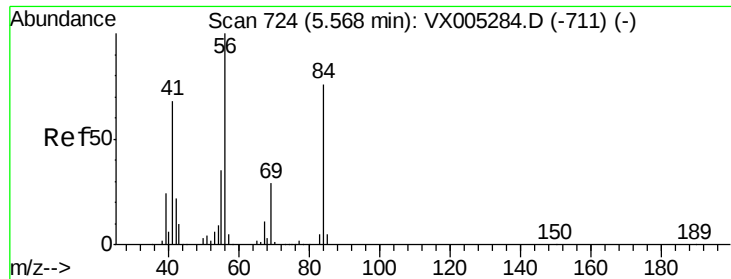
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#30
Chloroform
Concen: 4.29 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.1	52.6	79.0#





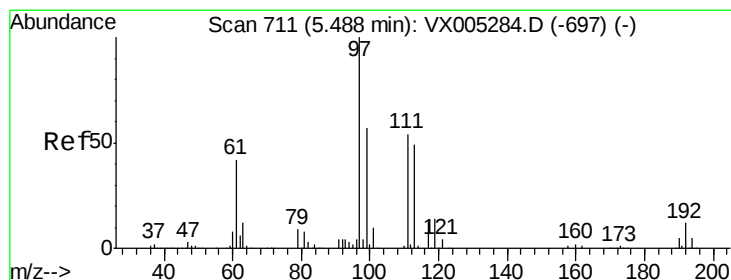
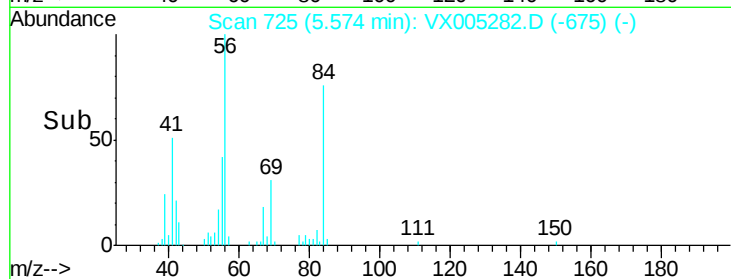
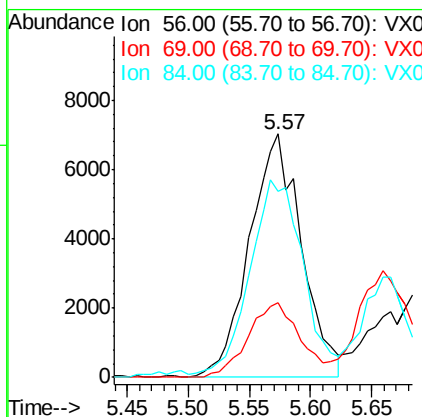
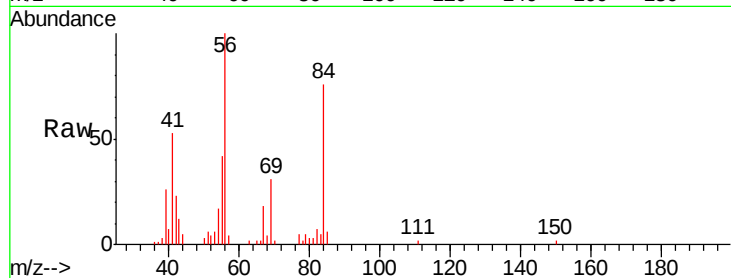
#31
Cyclohexane
Concen: 4.03 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.4	38.2
84	75.1	71.4	107.2

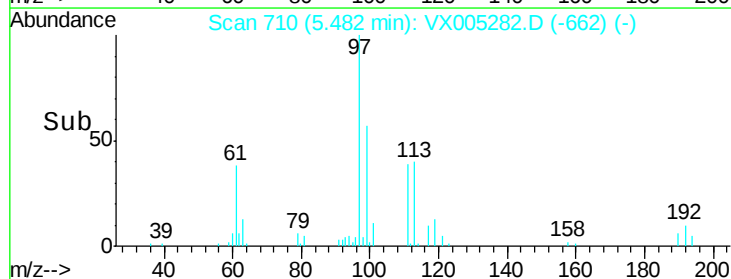
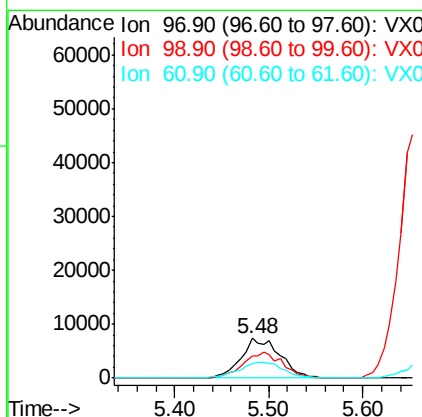
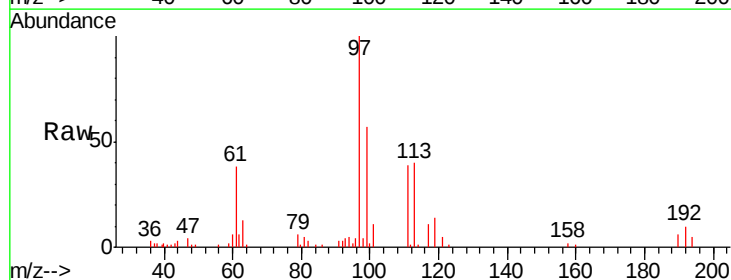
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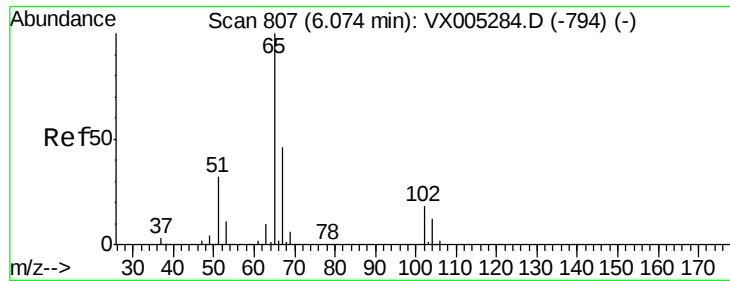
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#32
1,1,1-Trichloroethane
Concen: 4.52 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	52.0	78.0
61	45.5	34.9	52.3





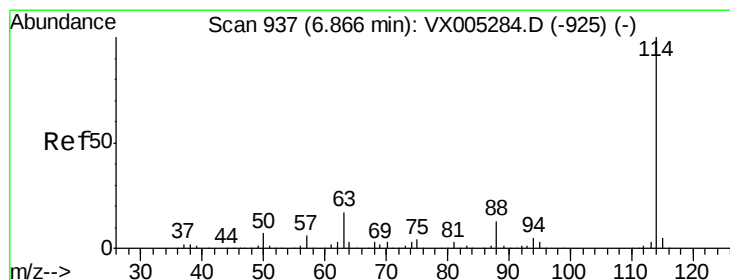
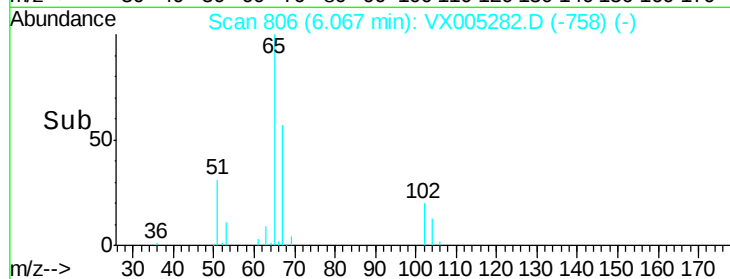
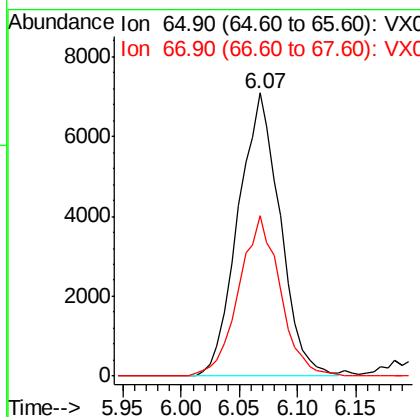
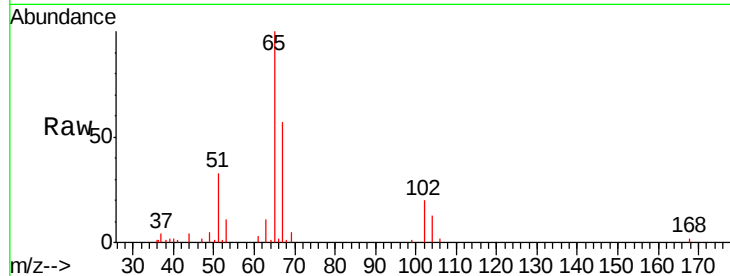
#33
 1,2-Dichloroethane-d4
 Concen: 5.01 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 17804
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 106.8

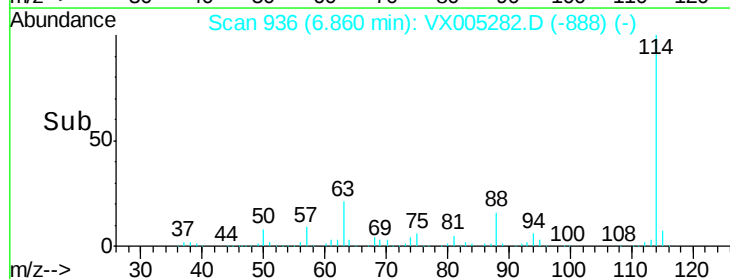
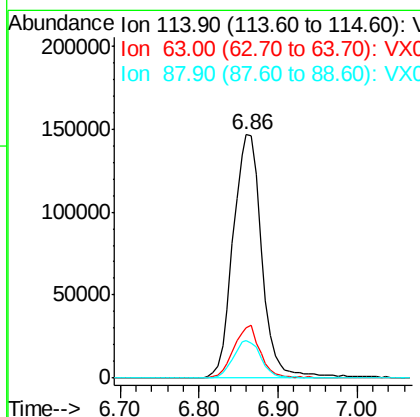
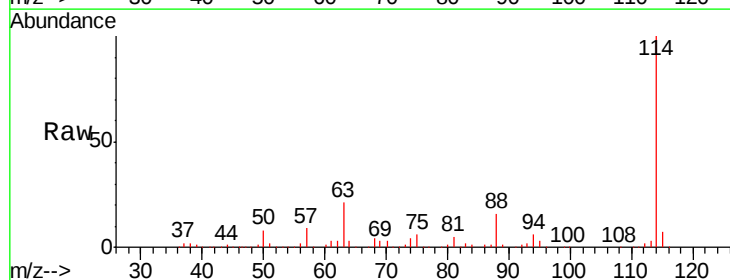
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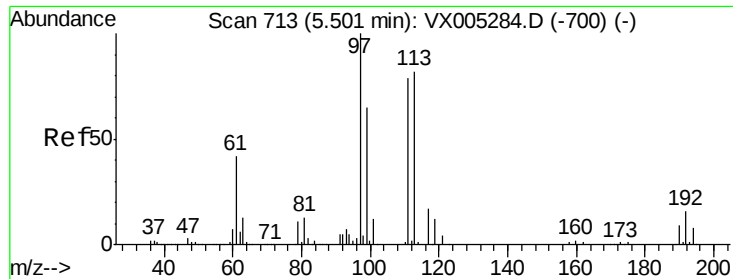
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion: 114 Resp: 370434
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.0
 88 15.6 0.0 30.4





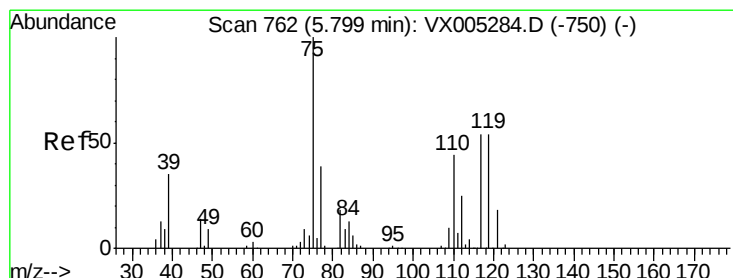
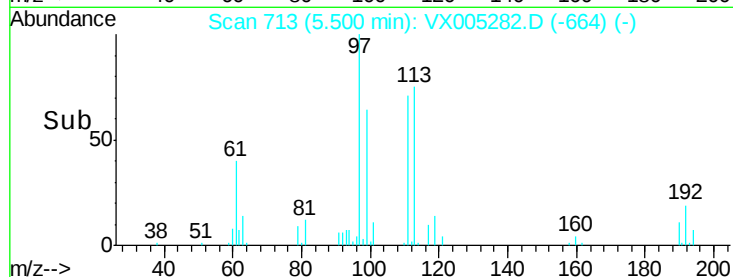
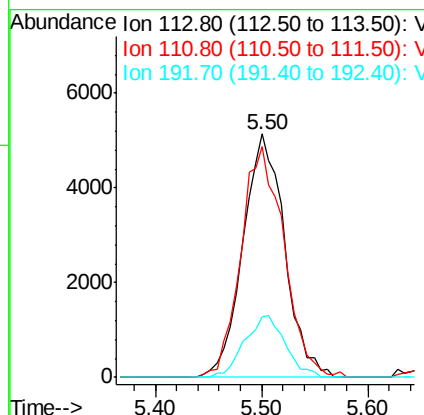
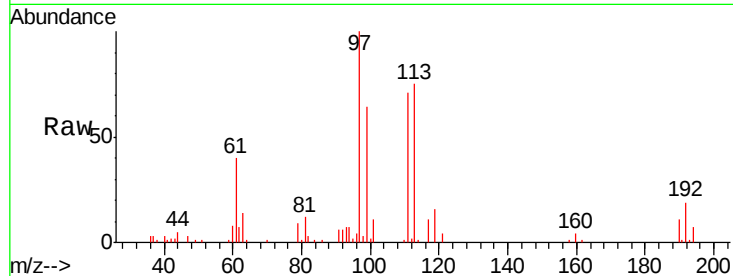
#35
 Dibromofluoromethane
 Concen: 4.16 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.0	82.4	123.6
192	24.8	19.4	29.2

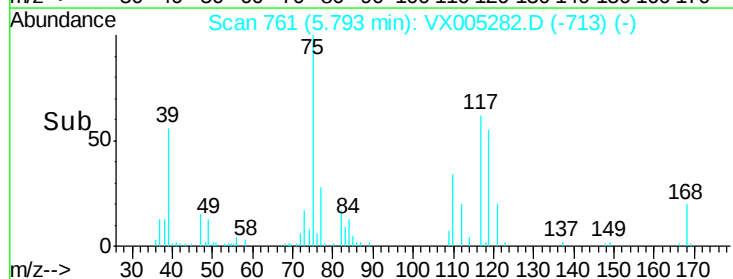
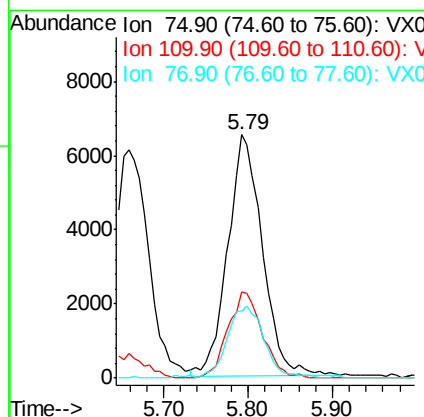
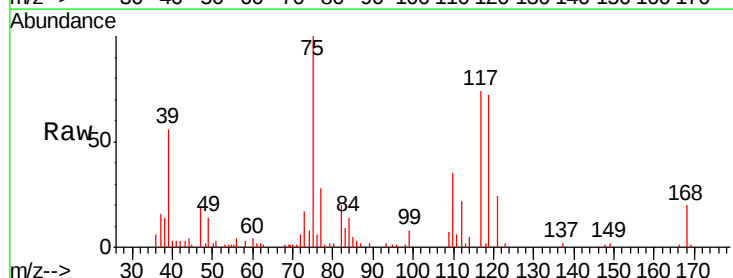
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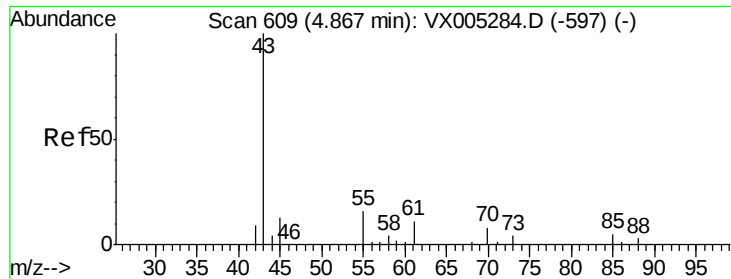
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#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.0	54.0
77	31.7	24.6	36.8





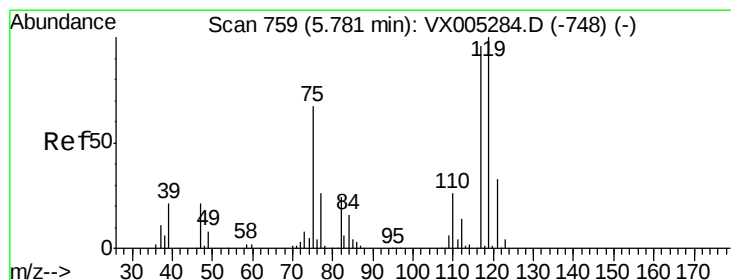
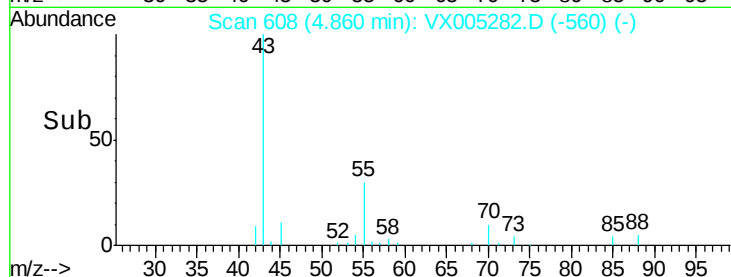
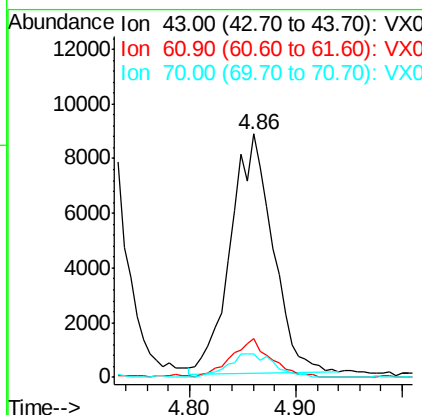
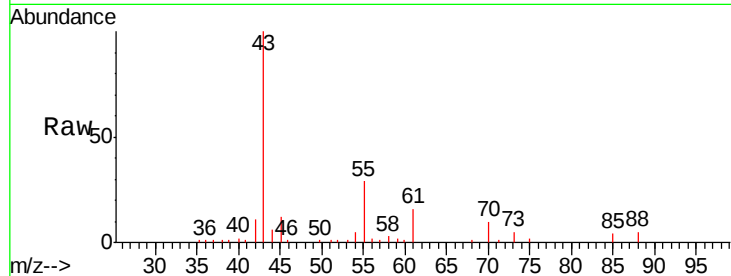
#37
Ethyl Acetate
Concen: 4.76 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	10.8	9.0	13.6

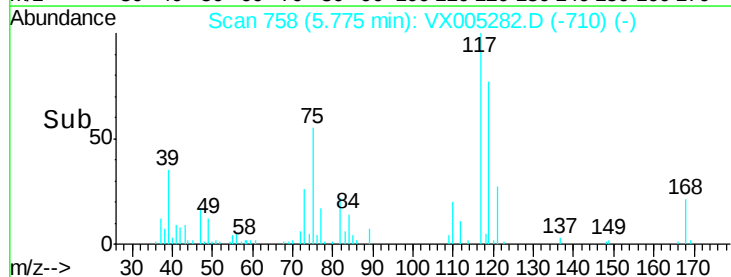
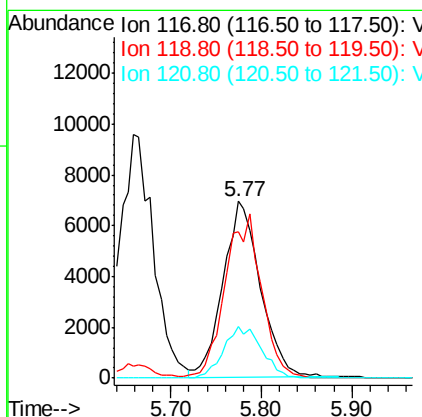
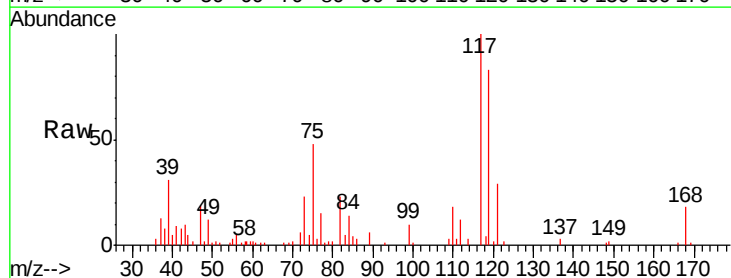
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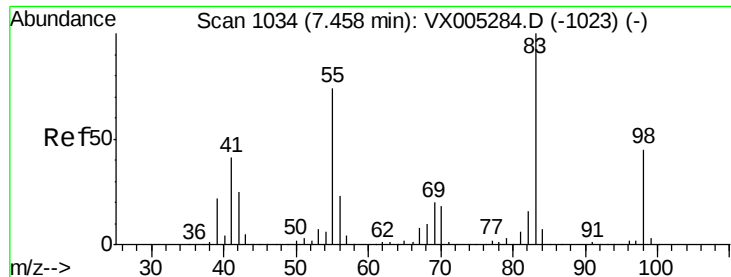
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#38
Carbon Tetrachloride
Concen: 4.52 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.4	78.8	118.2
121	29.2	24.9	37.3





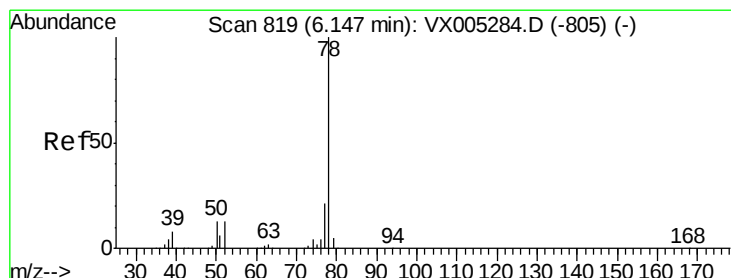
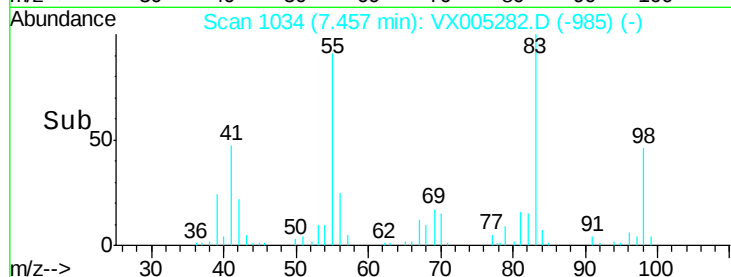
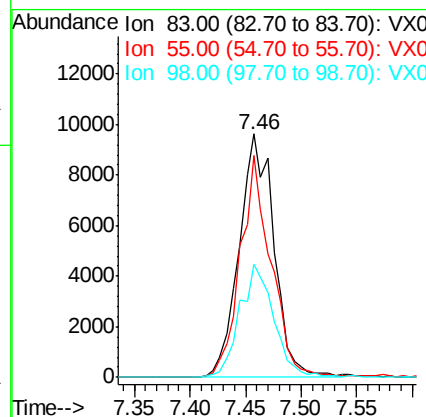
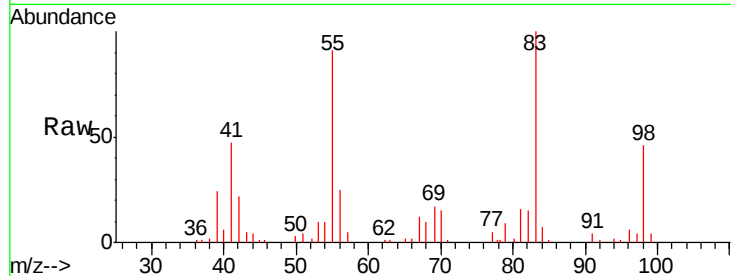
#39
Methylcyclohexane
Concen: 4.45 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.3	61.0	91.4
98	46.5	39.6	59.4

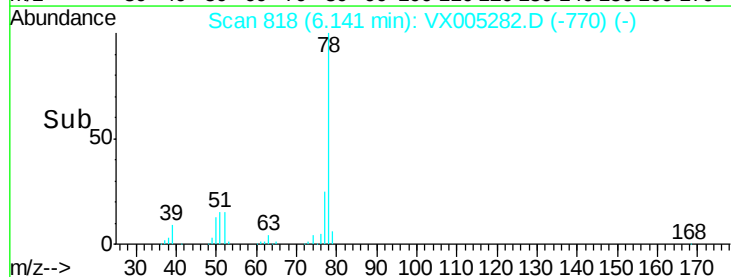
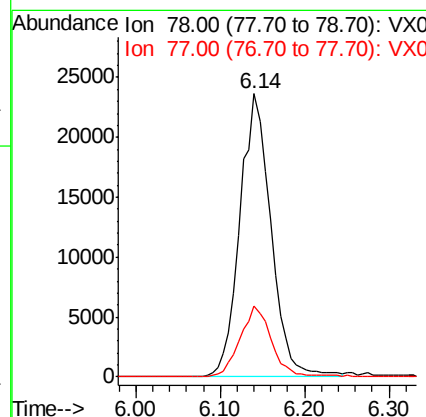
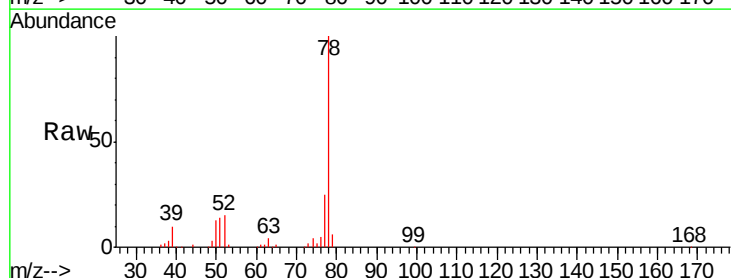
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#40
Benzene
Concen: 4.42 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.0	28.4





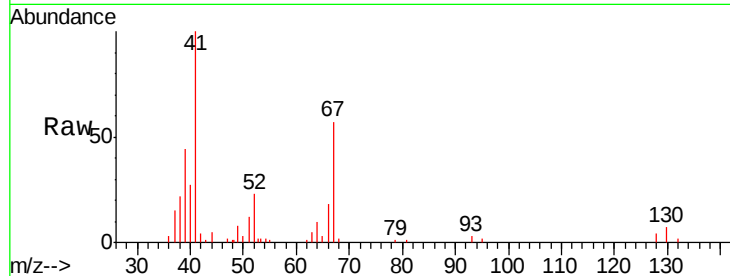
#41
Methacrylonitrile
Concen: 4.61 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

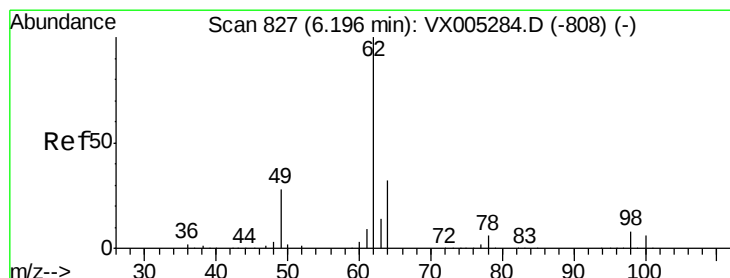
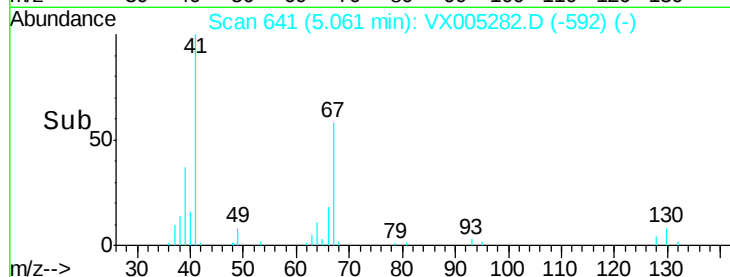
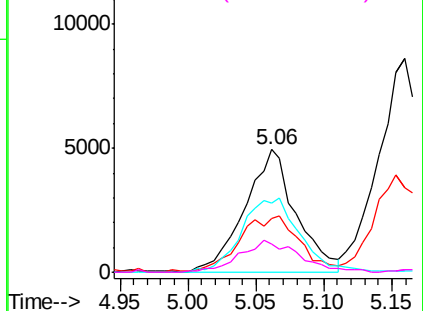
Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.4	63.6
67	69.6	59.2	88.8
52	30.3	23.0	34.4

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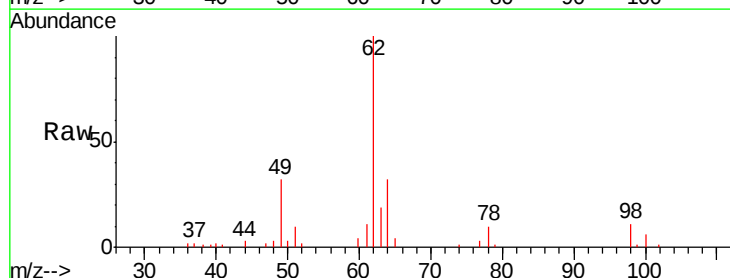


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

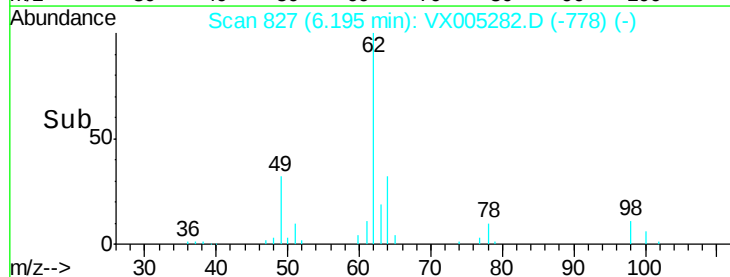
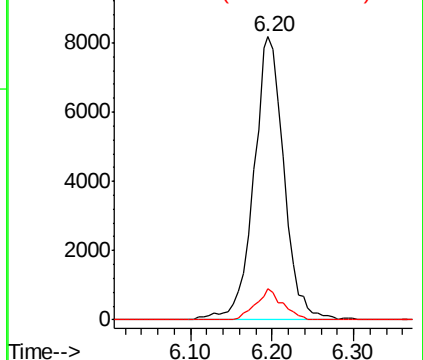


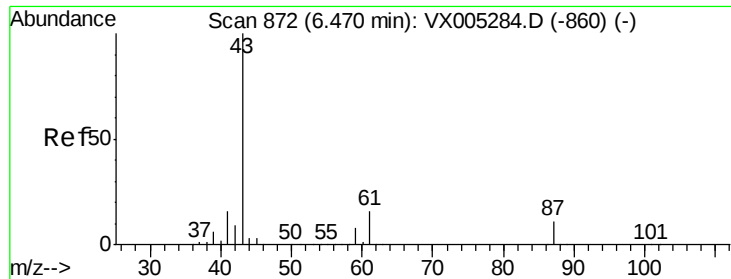
#42
1,2-Dichloroethane
Concen: 4.77 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





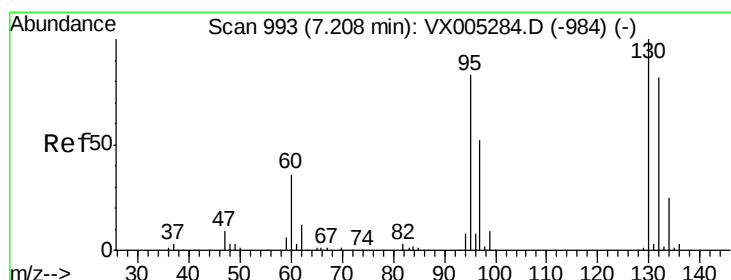
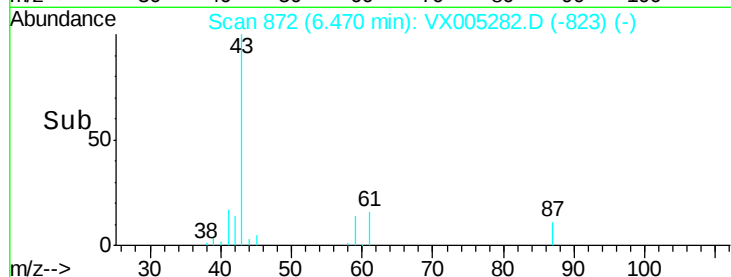
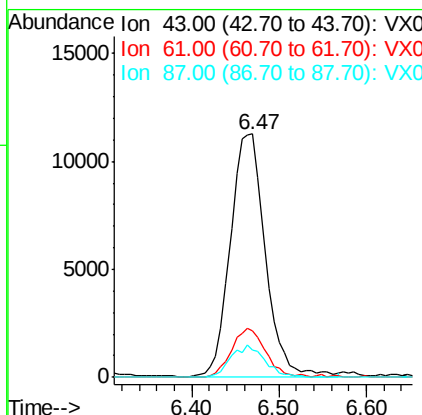
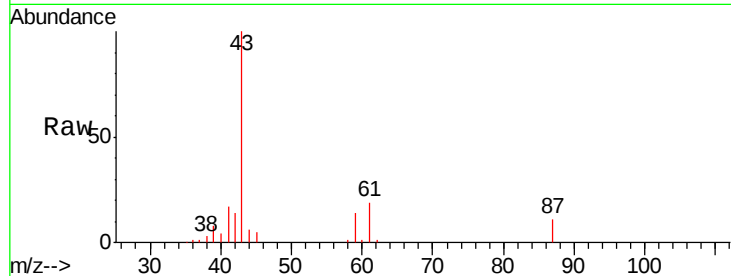
#43
Isopropyl Acetate
Concen: 4.64 ug/l
RT: 6.47 min Scan# 872
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.3	17.0	25.4
87	12.6	11.4	17.2

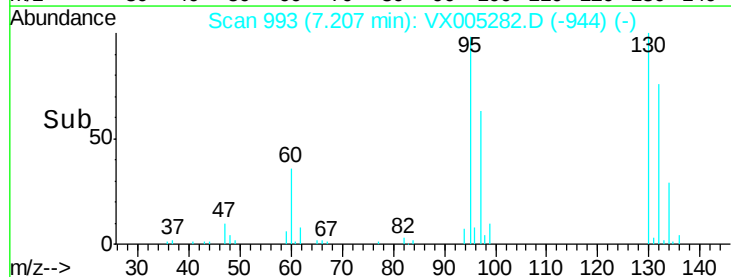
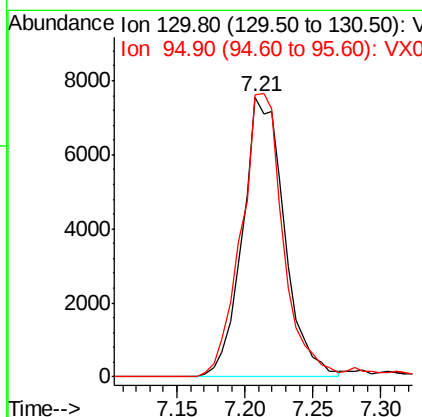
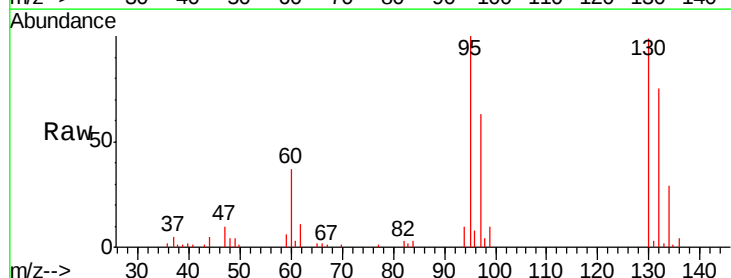
Manual Integrations
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MMDadoda
10/17/2018 9:04:21 AM



#44
Trichloroethene
Concen: 4.68 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	181.6





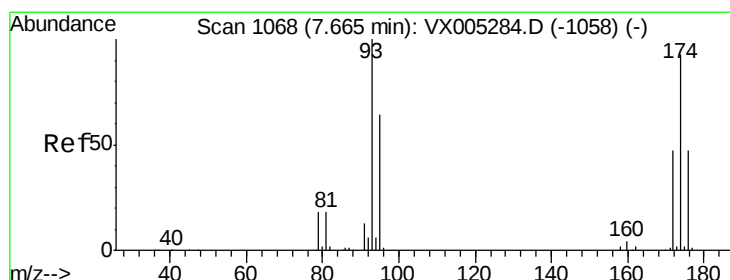
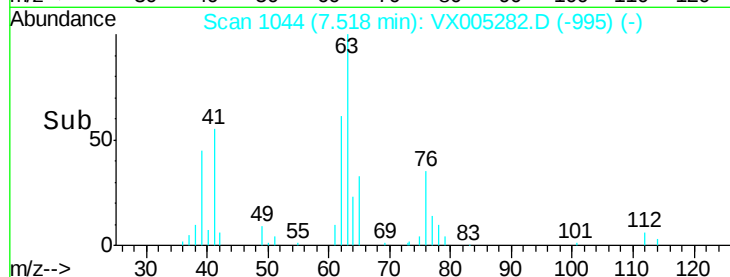
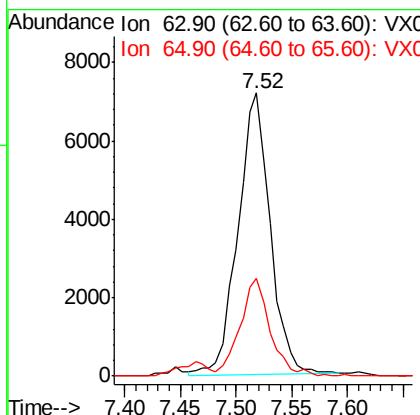
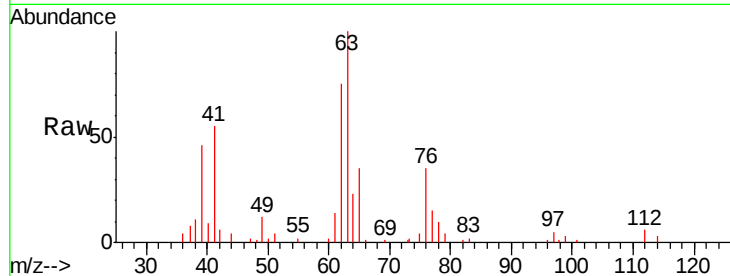
#45
 1,2-Dichloropropane
 Concen: 4.50 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 14442
 Ion Ratio Lower Upper
 63 100
 65 34.9 24.3 36.5

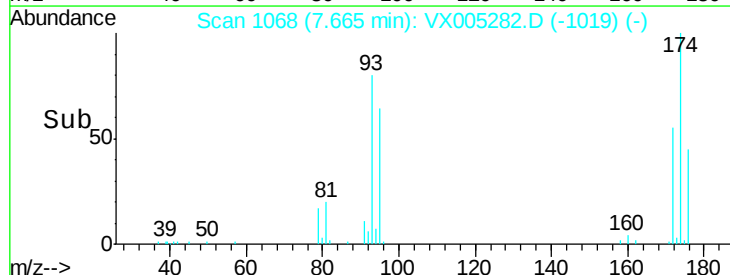
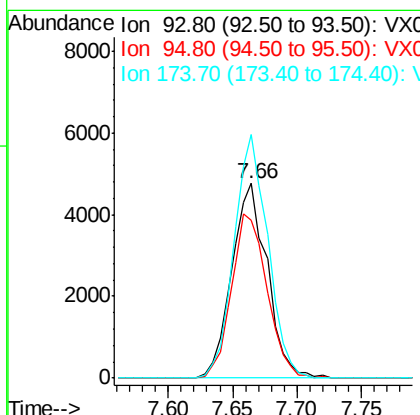
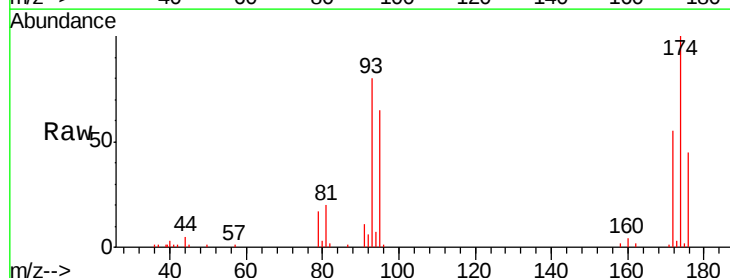
Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:21 AM



#46
 Dibromomethane
 Concen: 4.48 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion: 93 Resp: 9092
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.5 98.3
 174 119.2 94.2 141.4





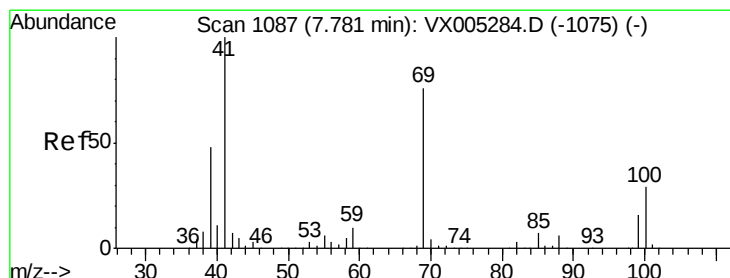
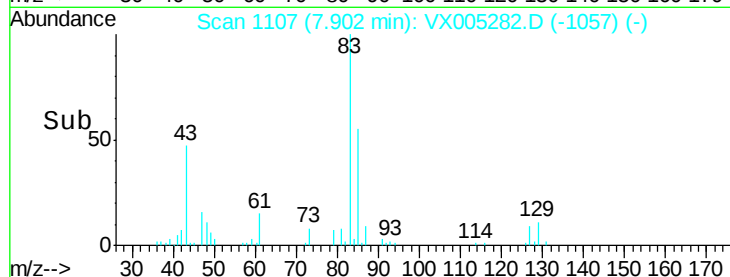
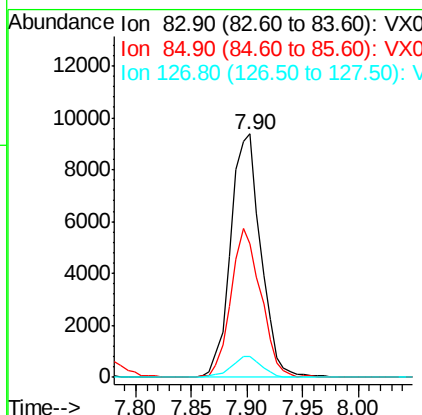
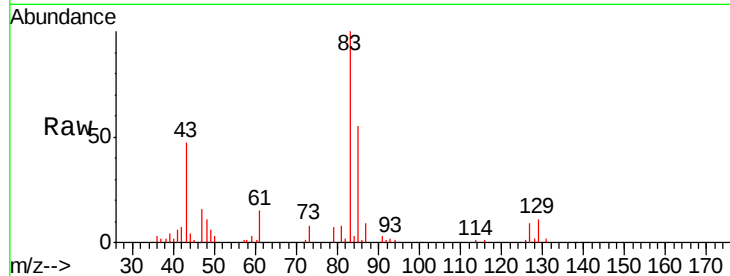
#47
 Bromodichloromethane
 Concen: 4.60 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.7	50.9	76.3
127	8.5	7.3	10.9

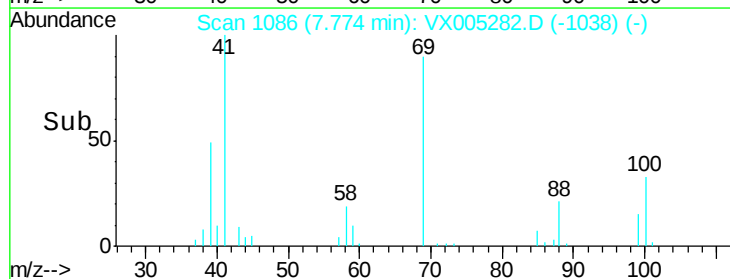
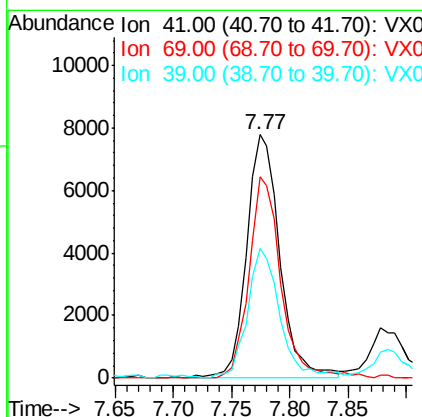
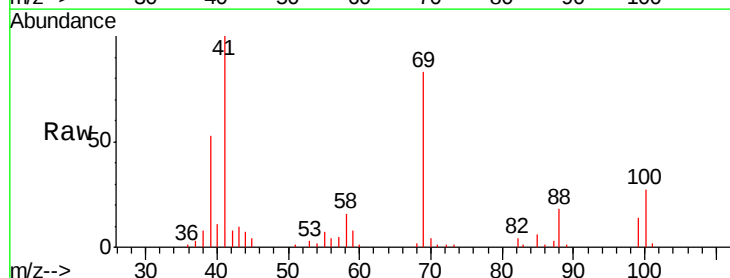
Manual Integrations
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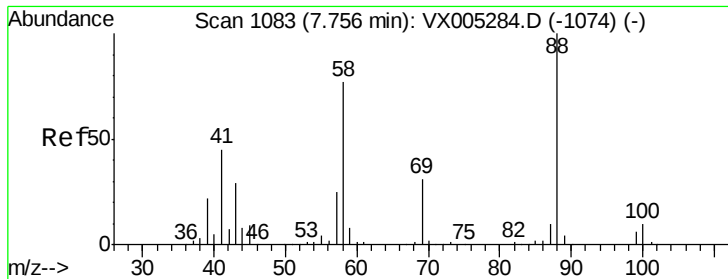
MMDadoda
 10/17/2018 9:04:21 AM



#48
 Methyl methacrylate
 Concen: 4.62 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.3	70.2	105.4
39	52.6	42.7	64.1





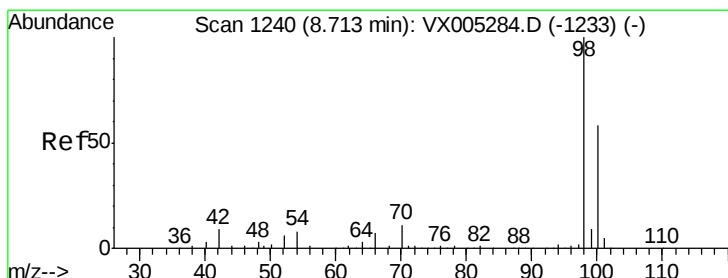
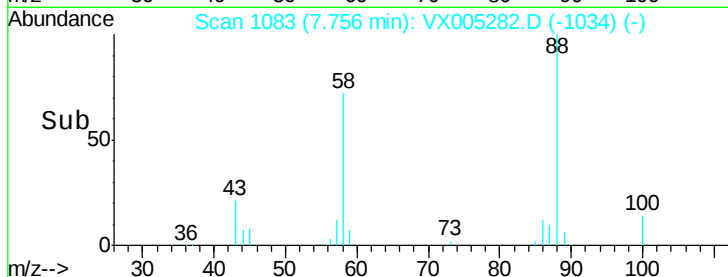
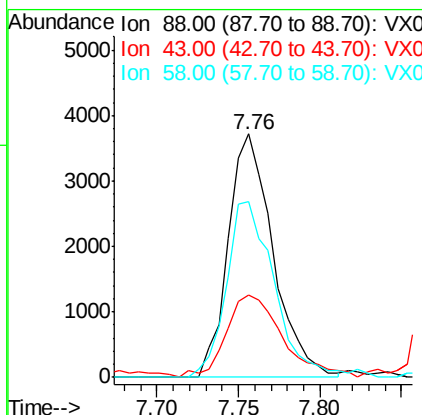
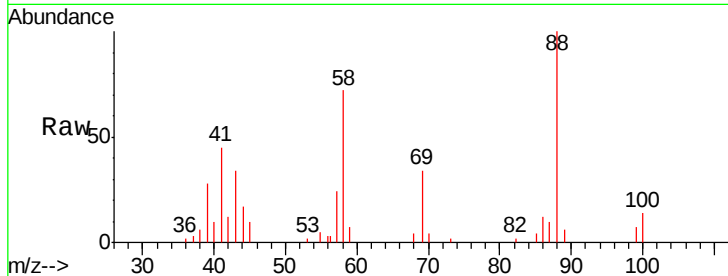
#49
1,4-Dioxane
Concen: 89.44 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.5	24.7	37.1#
58	76.9	55.3	82.9

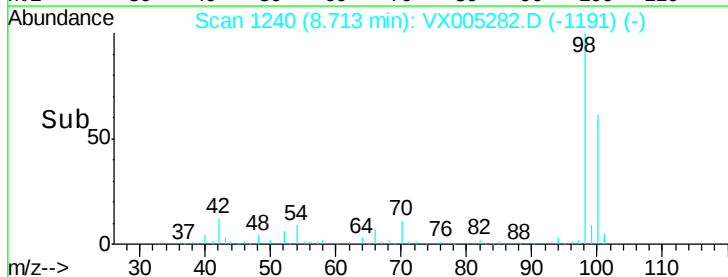
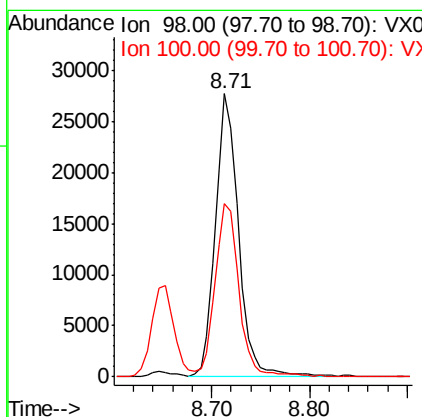
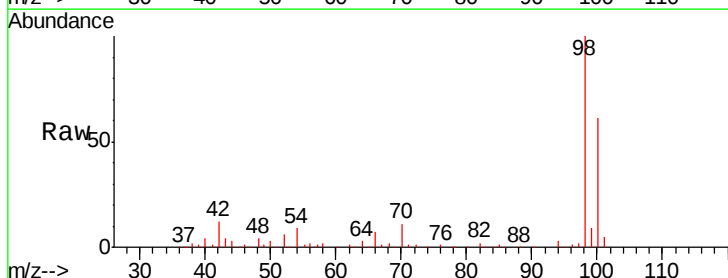
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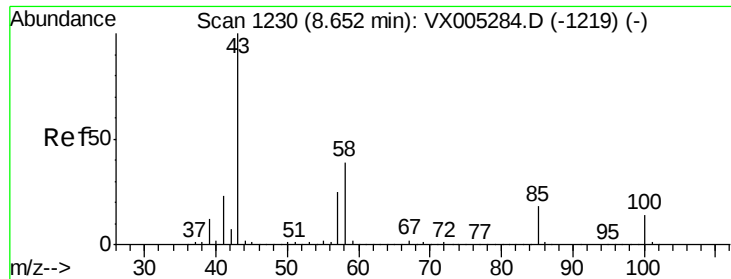
MMDadoda
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#50
Toluene-d8
Concen: 3.99 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.9	79.3





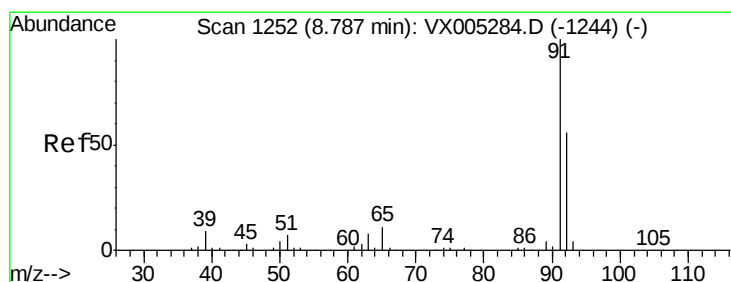
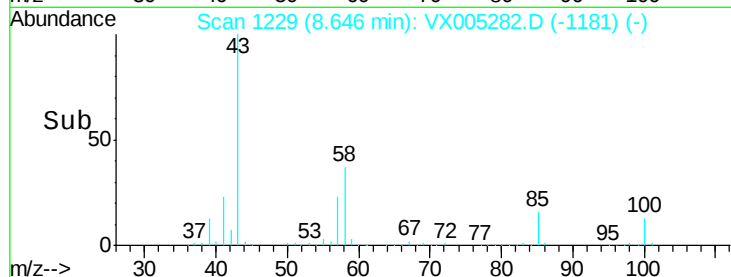
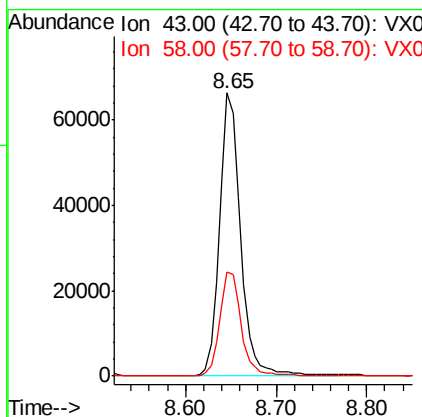
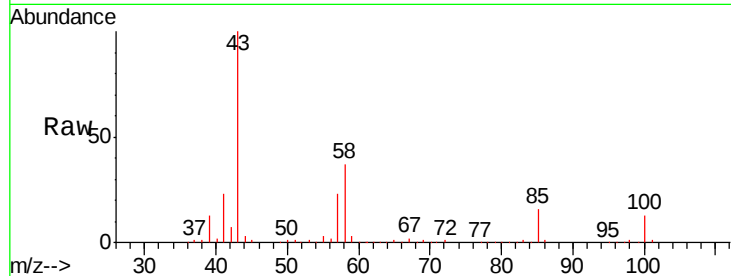
#51
4-Methyl-2-Pentanone
Concen: 22.40 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 107383
Ion Ratio Lower Upper
43 100
58 38.4 33.1 49.7

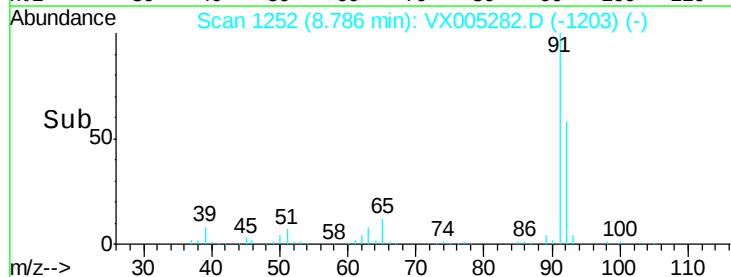
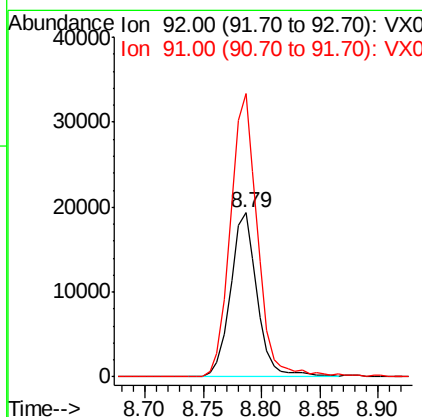
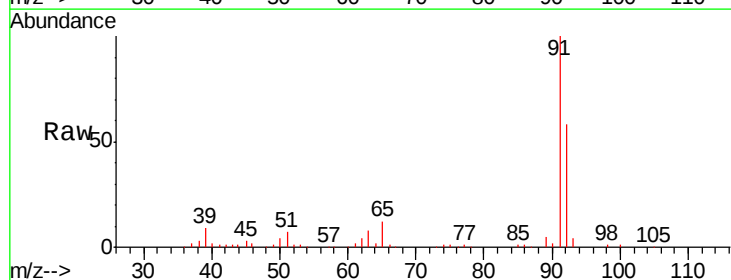
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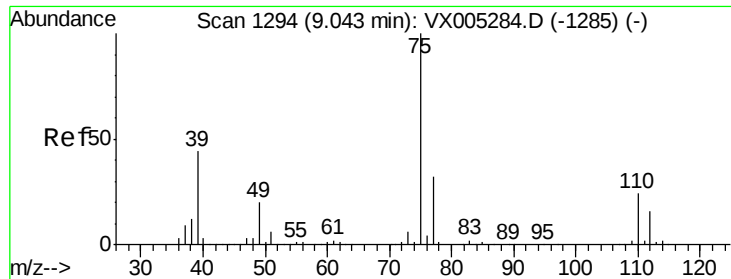
MMDadoda
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#52
Toluene
Concen: 3.93 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion: 92 Resp: 30908
Ion Ratio Lower Upper
92 100
91 176.9 136.4 204.6





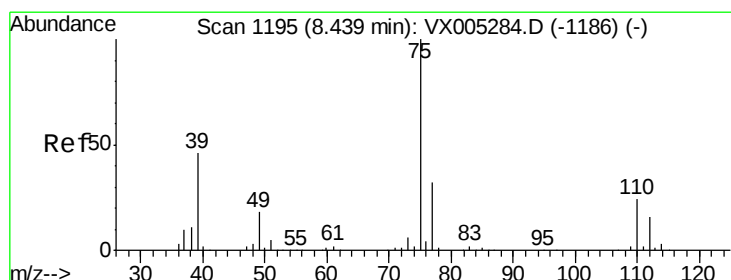
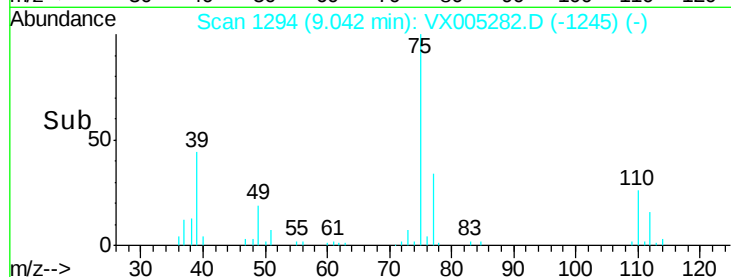
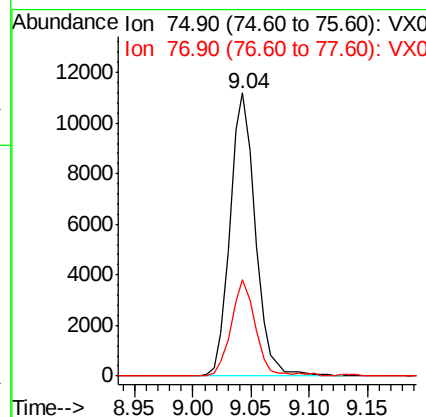
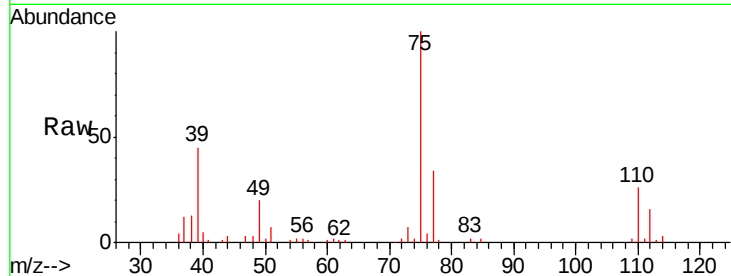
#53
 t-1,3-Dichloropropene
 Concen: 3.77 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 16872
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.6 37.0

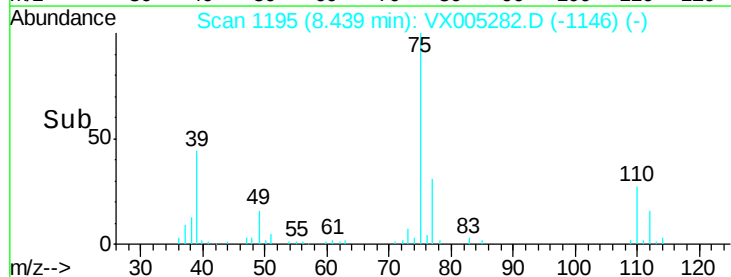
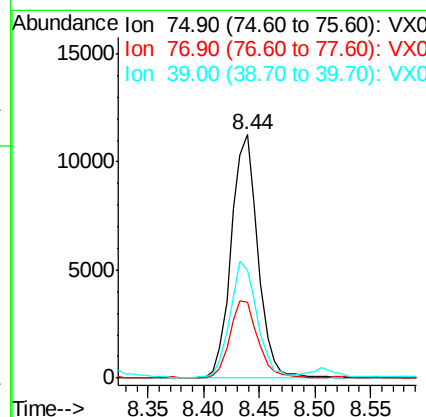
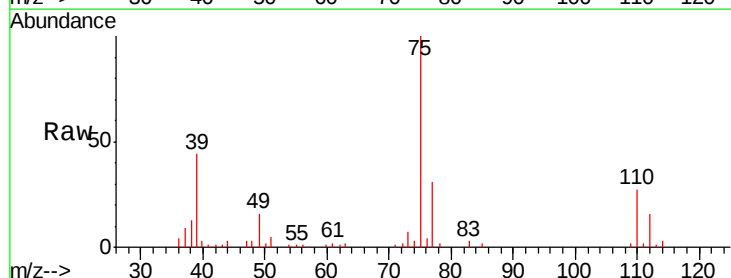
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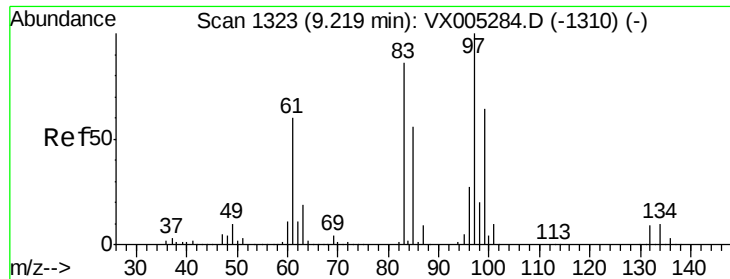
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#54
 cis-1,3-Dichloropropene
 Concen: 4.08 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion: 75 Resp: 18650
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.2
 39 44.5 36.4 54.6





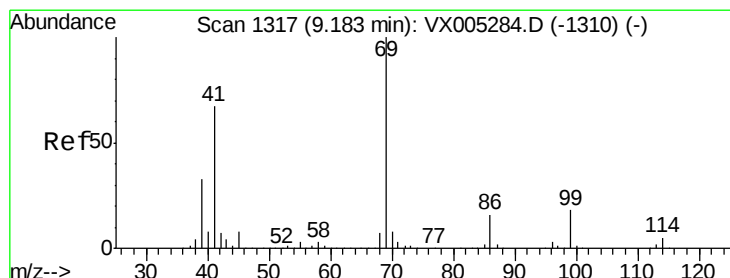
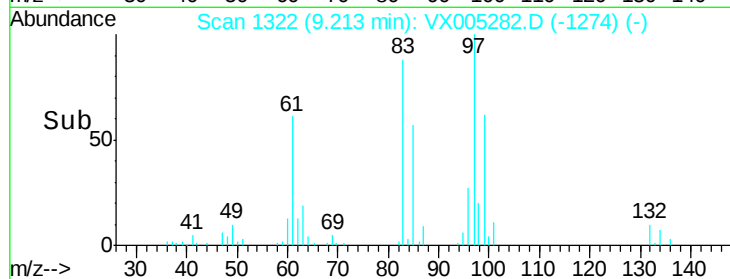
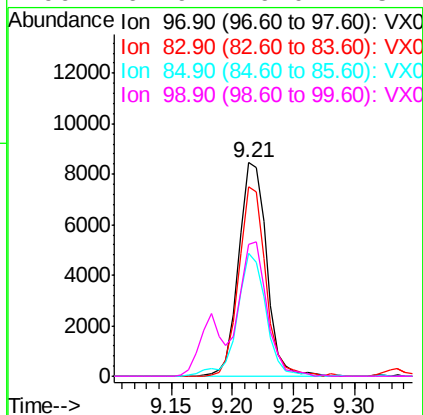
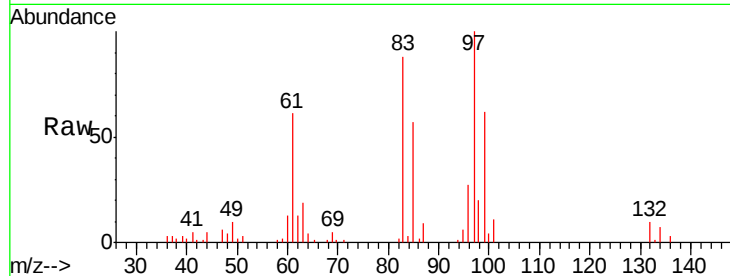
#55
 1,1,2-Trichloroethane
 Concen: 3.96 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
97	100		
83	88.5	66.4	99.6
85	56.6	43.3	64.9
99	61.9	49.0	73.4

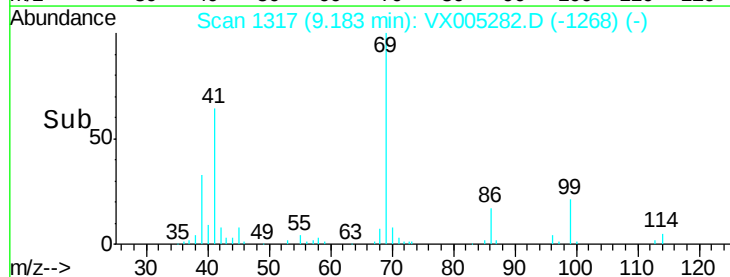
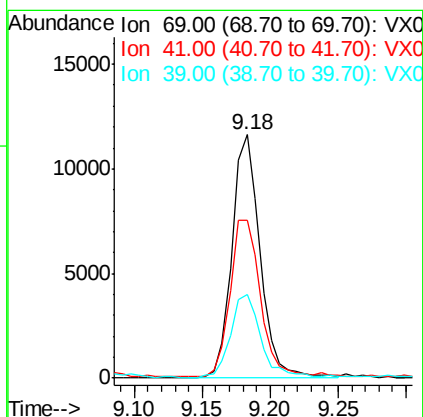
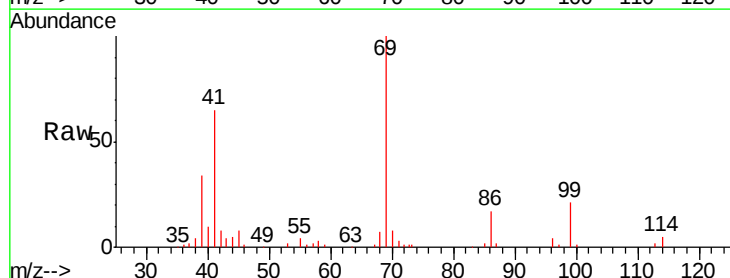
Manual Integrations
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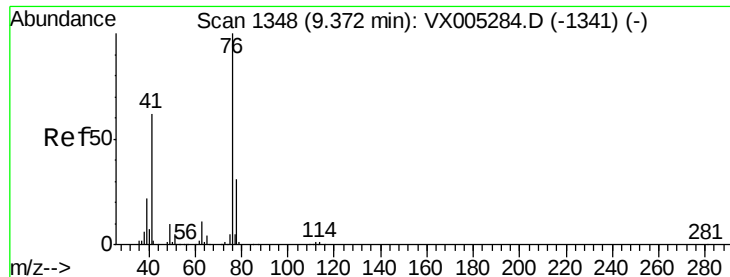
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#56
 Ethyl methacrylate
 Concen: 3.51 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Resp	Lower	Upper
69	100		
41	68.7	51.0	76.4
39	37.4	26.1	39.1





#57

1,3-Dichloropropane

Concen: 4.02 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 22090

Ion Ratio Lower Upper

76 100

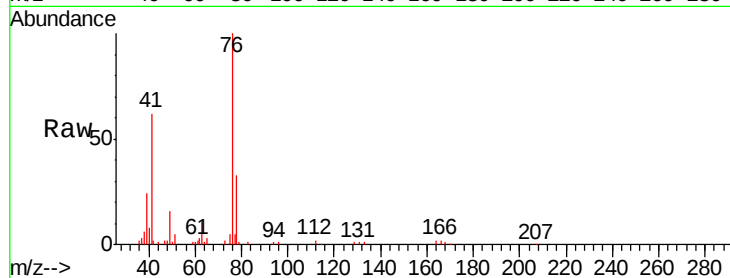
78 32.1 25.5 38.3

Manual Integrations

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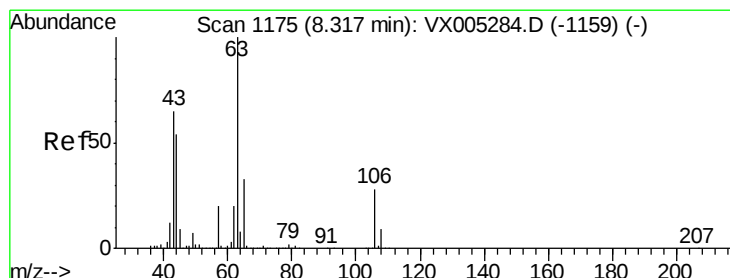
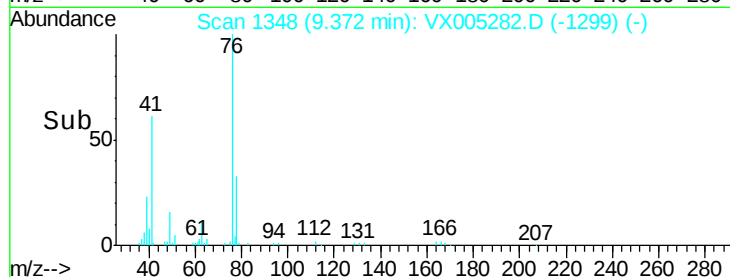
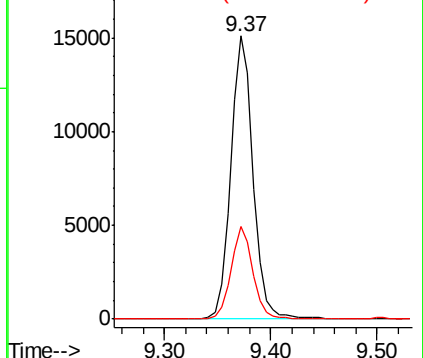
MMDadoda

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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: 23.67 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005282.D

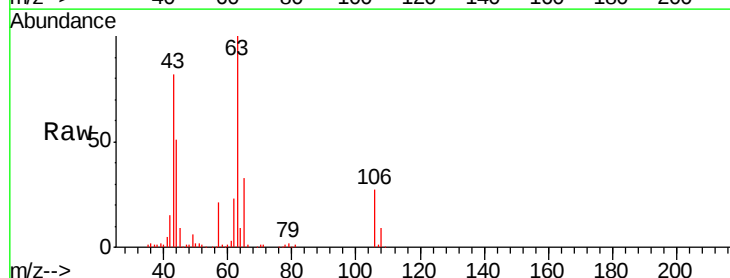
Acq: 12 Oct 2018 09:12

Tgt Ion: 63 Resp: 51997

Ion Ratio Lower Upper

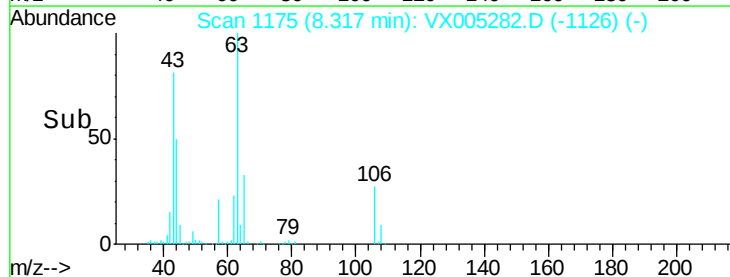
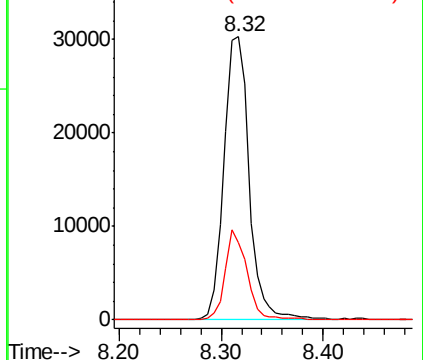
63 100

106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





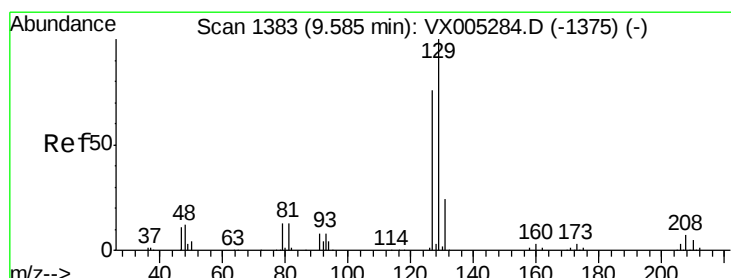
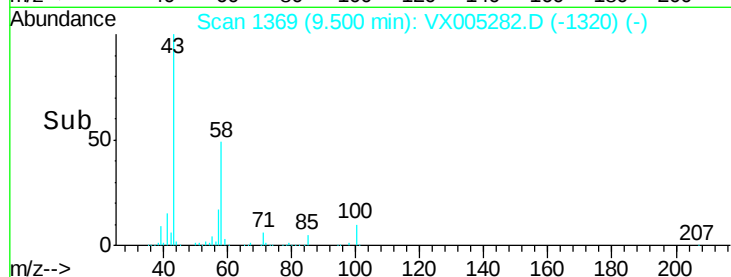
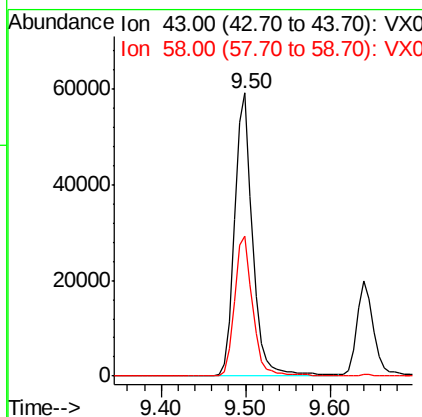
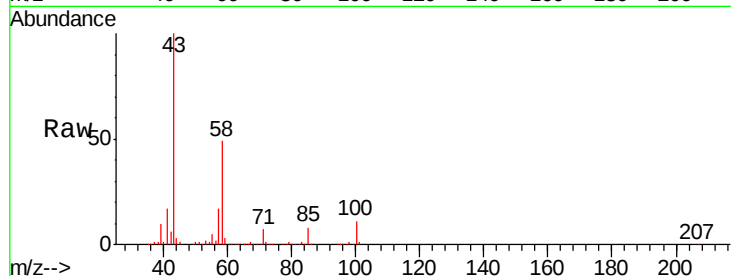
#59
2-Hexanone
Concen: 23.34 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 85842
Ion Ratio Lower Upper
43 100
58 49.5 29.0 87.0

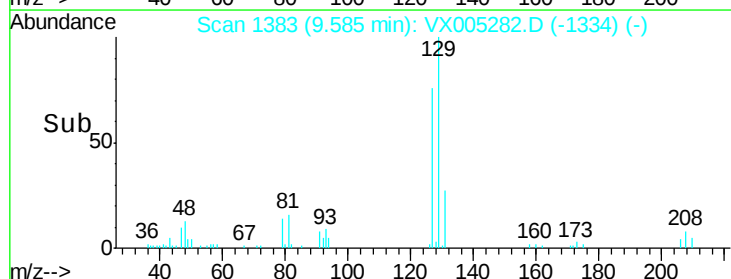
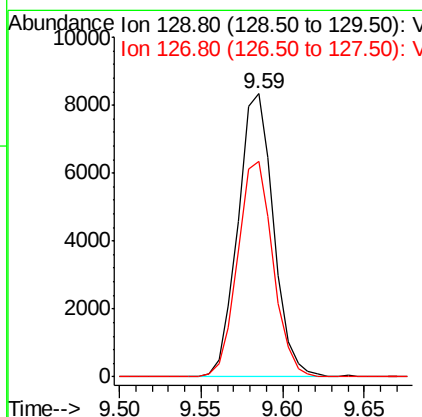
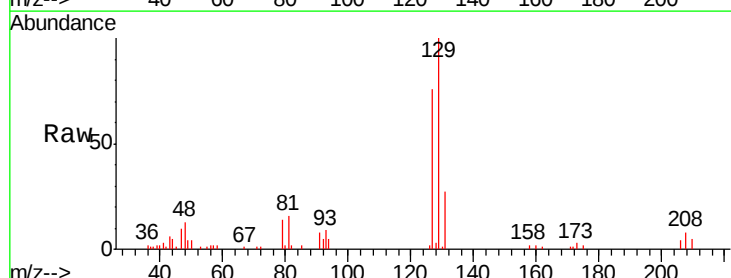
Manual Integrations
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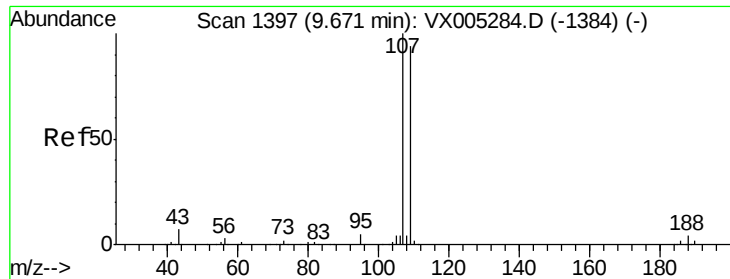
MMDadoda
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#60
Dibromochloromethane
Concen: 3.98 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion: 129 Resp: 12687
Ion Ratio Lower Upper
129 100
127 75.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.33 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 14001

Ion Ratio Lower Upper

107 100

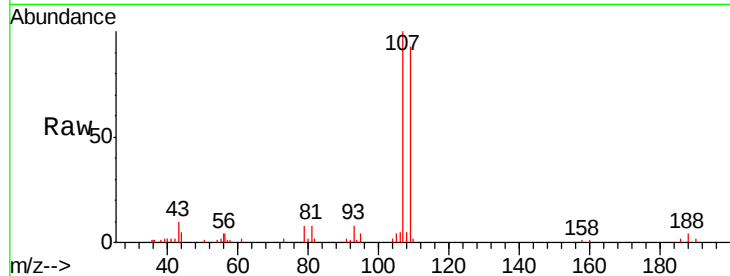
109 92.2 76.0 114.0

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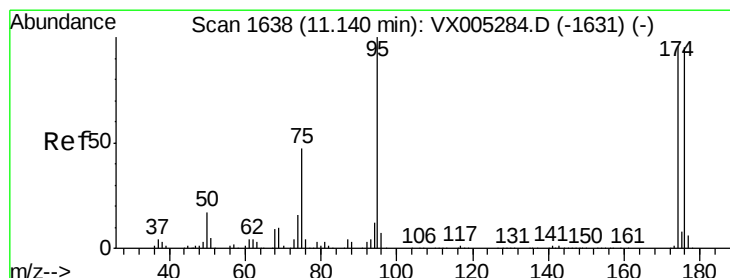
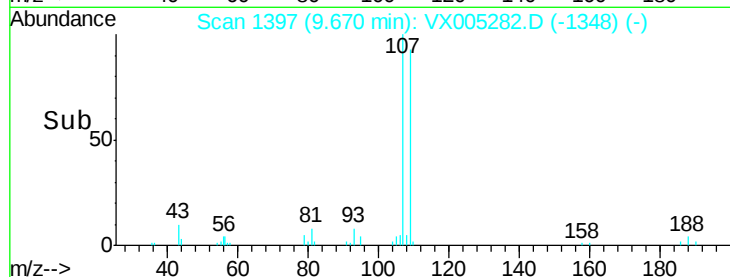
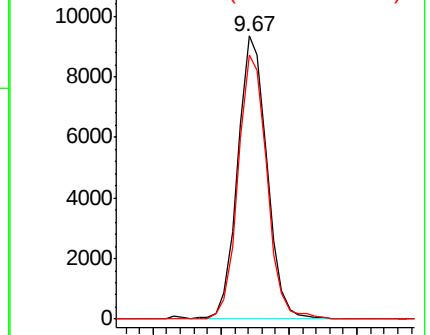
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 3.84 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

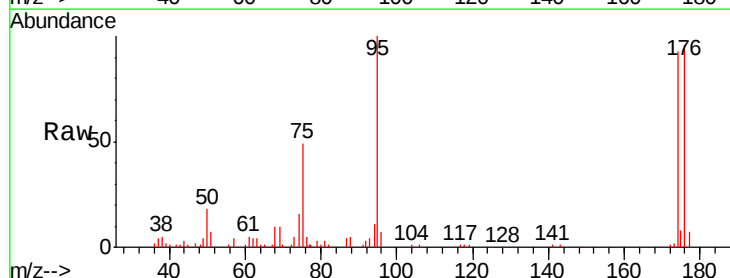
Tgt Ion: 95 Resp: 15587

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

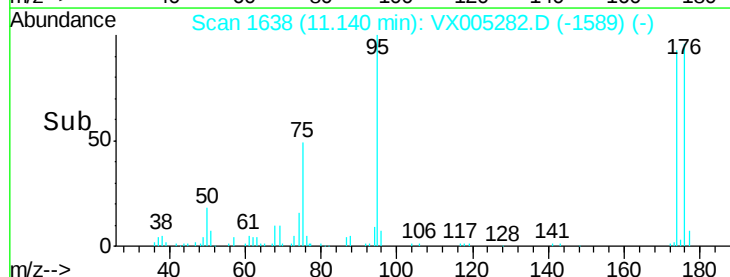
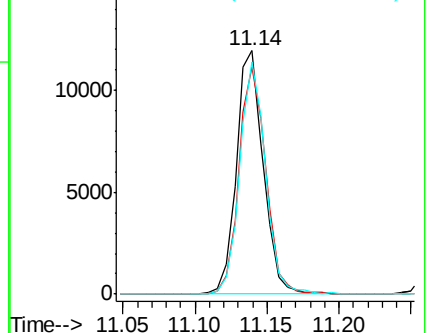
176 91.3 0.0 178.6

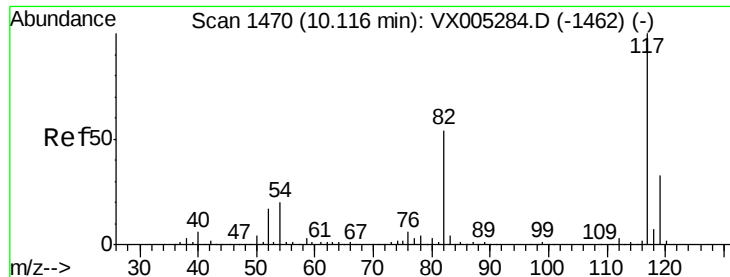


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





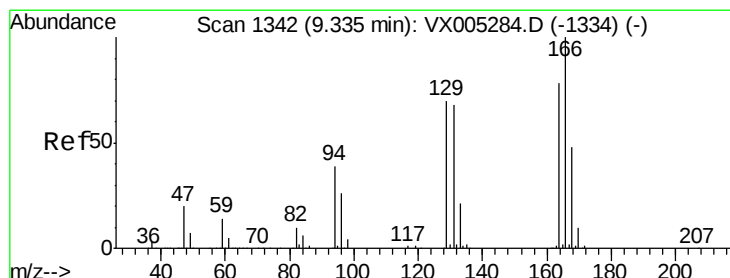
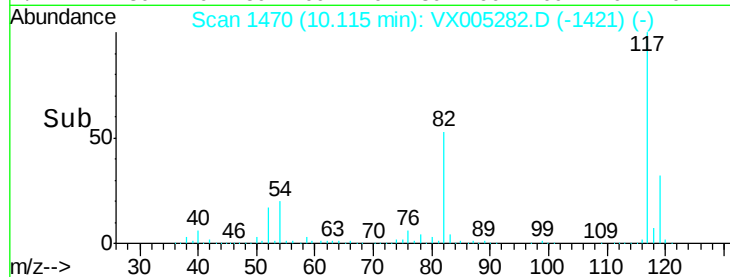
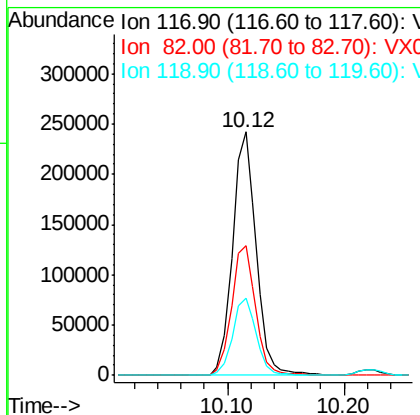
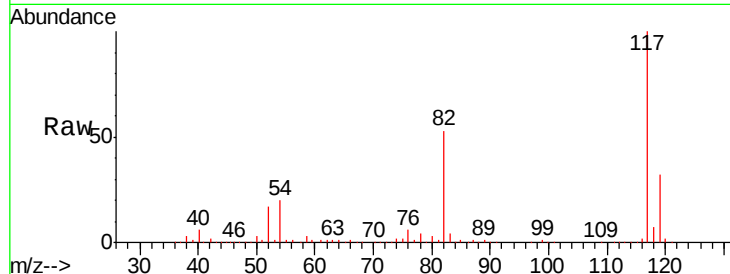
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	340661		
82	53.1	47.8	71.6	
119	31.7	29.3	43.9	

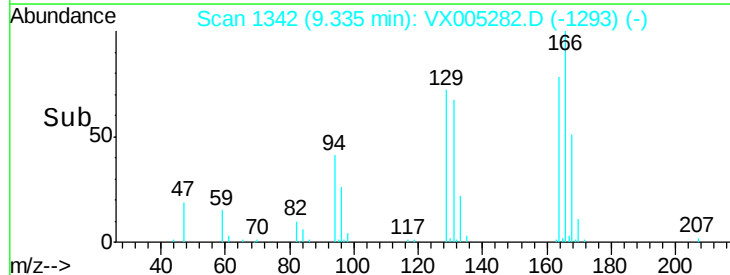
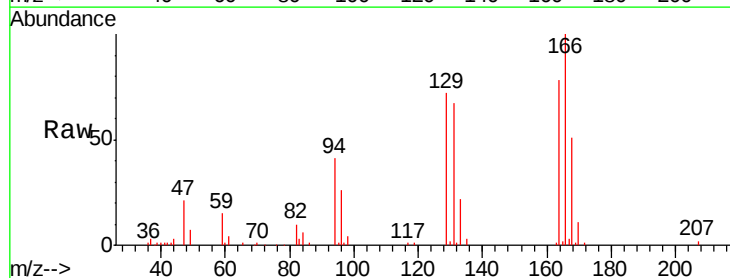
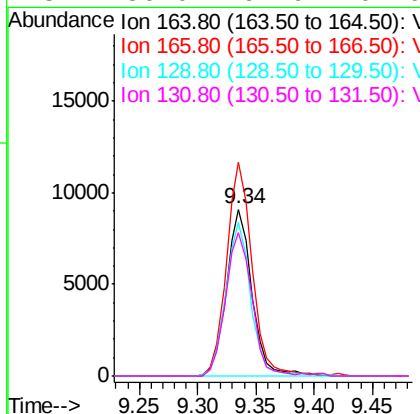
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#64
Tetrachloroethene
Concen: 3.27 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13902		
166	128.1	102.8	154.2	
129	92.0	69.4	104.0	
131	86.0	67.9	101.9	





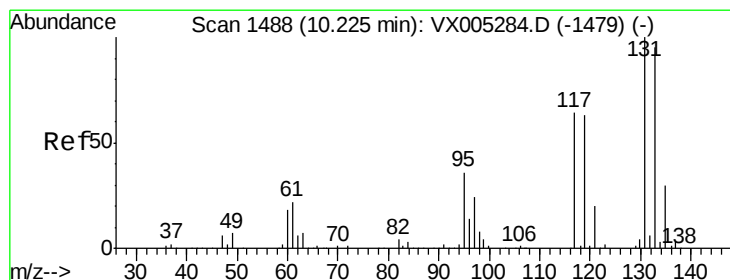
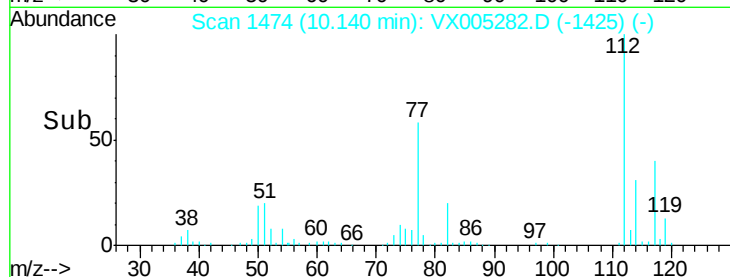
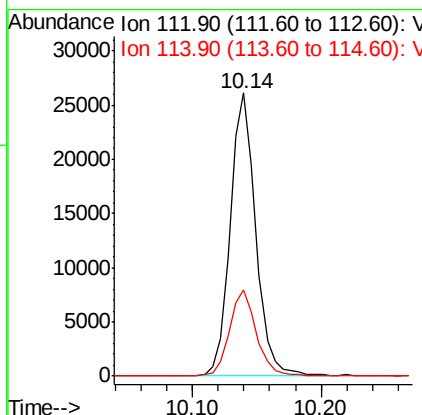
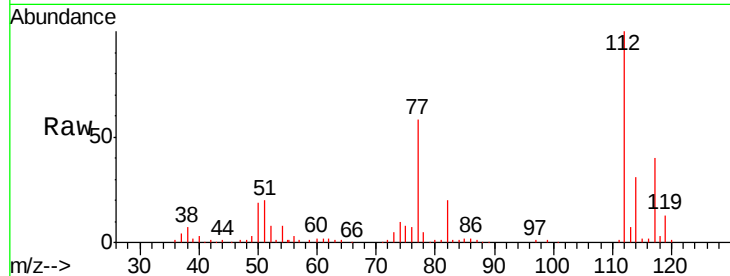
#65
Chlorobenzene
Concen: 4.29 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 36317
Ion Ratio Lower Upper
112 100
114 30.7 27.8 41.8

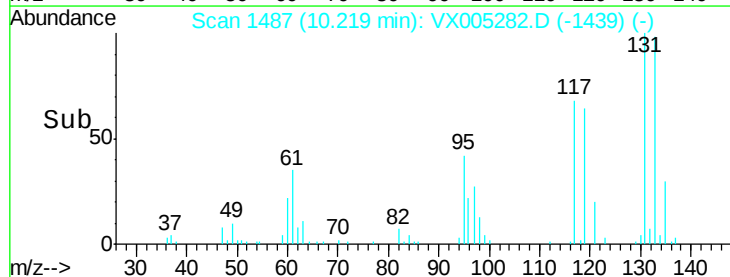
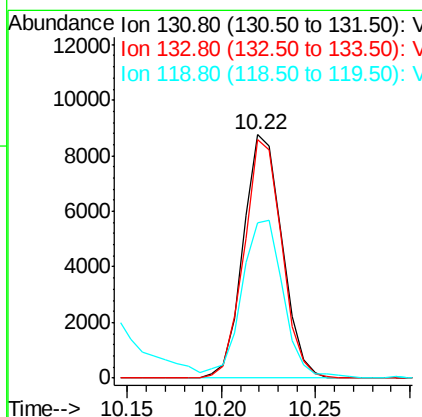
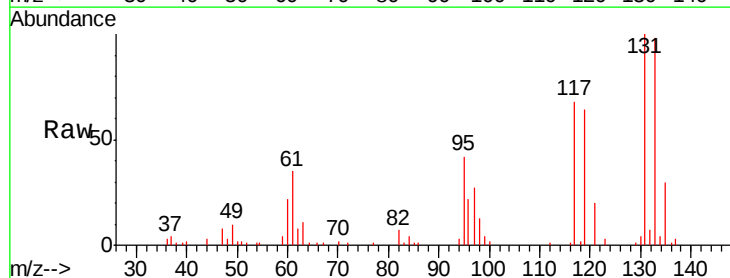
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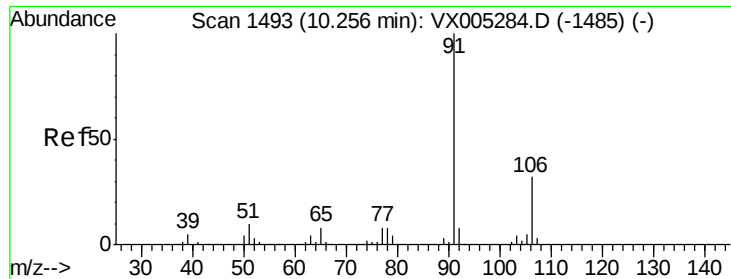
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.28 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion:131 Resp: 12486
Ion Ratio Lower Upper
131 100
133 95.1 48.1 144.4
119 69.7 32.9 98.6





#67

Ethyl Benzene

Concen: 4.05 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 55786

Ion Ratio Lower Upper

91 100

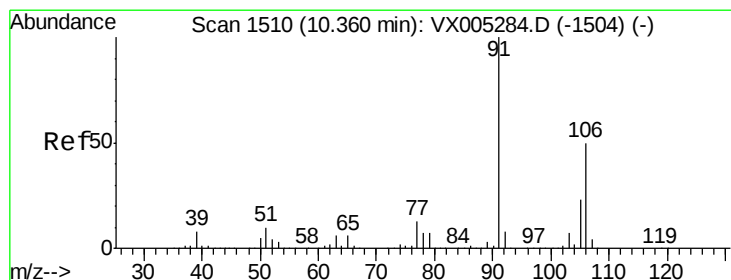
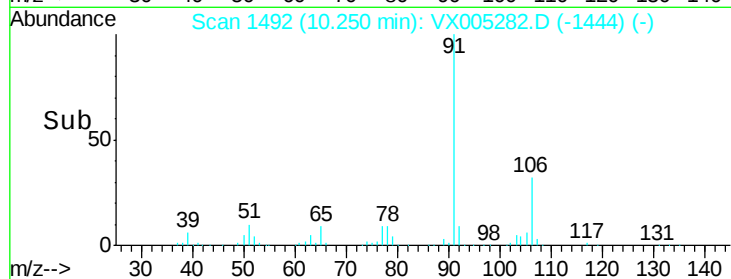
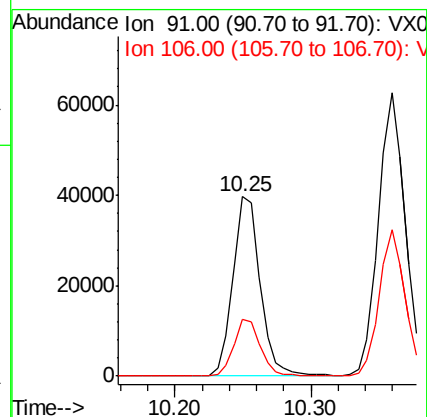
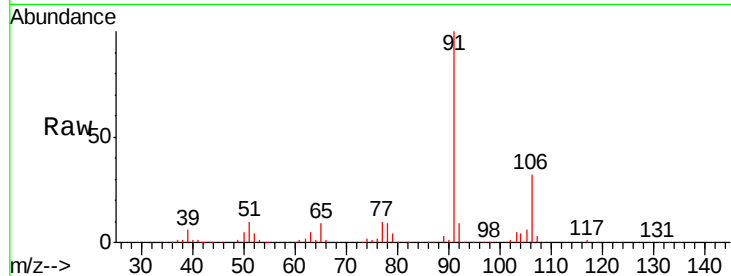
106 32.0 25.9 38.9

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#68

m/p-Xylenes

Concen: 8.25 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005282.D

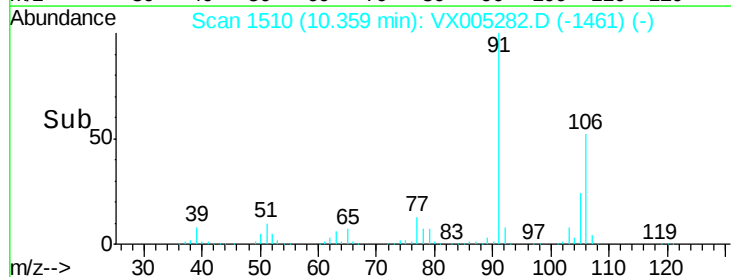
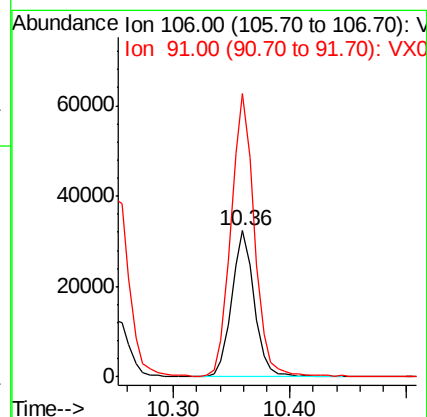
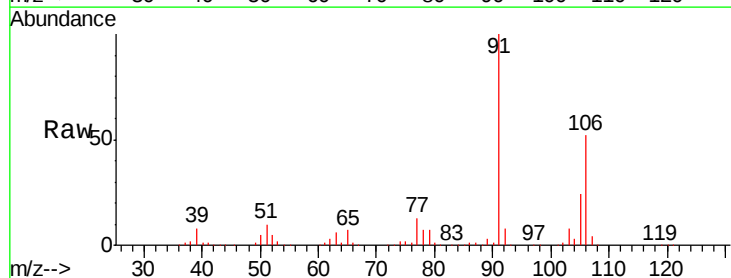
Acq: 12 Oct 2018 09:12

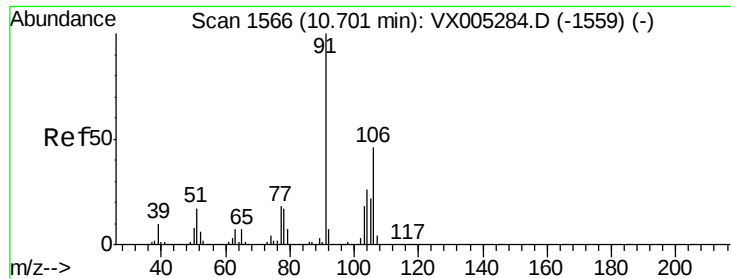
Tgt Ion: 106 Resp: 43719

Ion Ratio Lower Upper

106 100

91 200.6 157.1 235.7





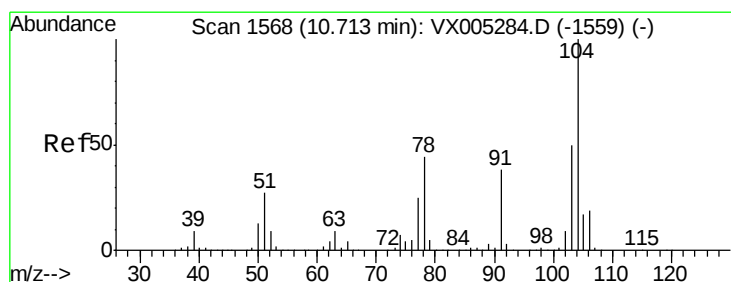
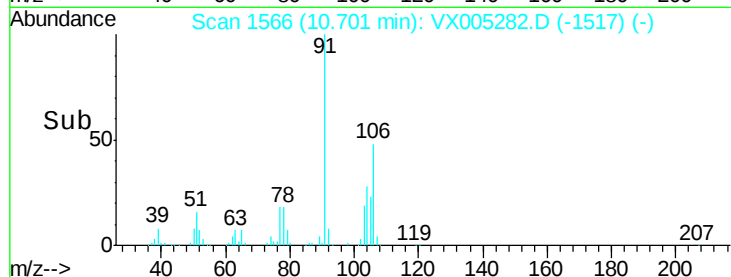
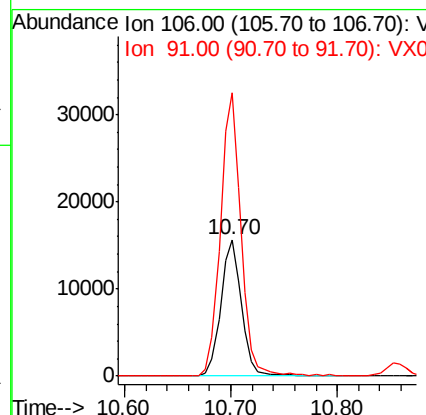
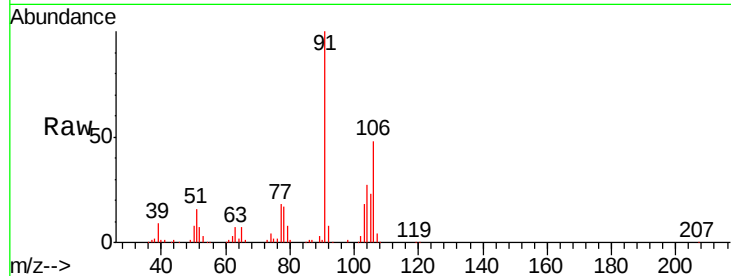
#69
o-Xylene
Concen: 4.12 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 21006
Ion Ratio Lower Upper
106 100
91 204.9 105.1 315.1

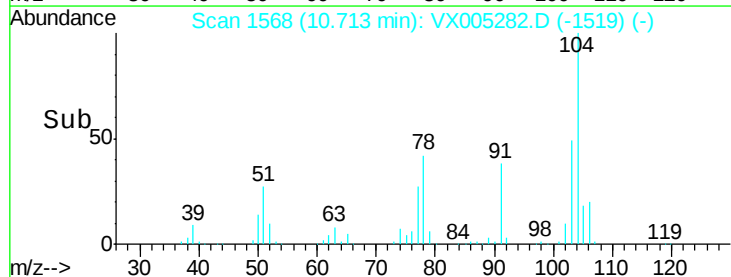
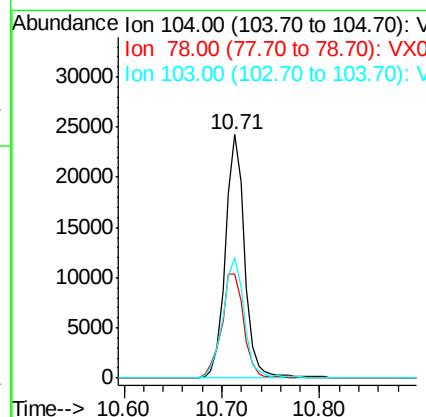
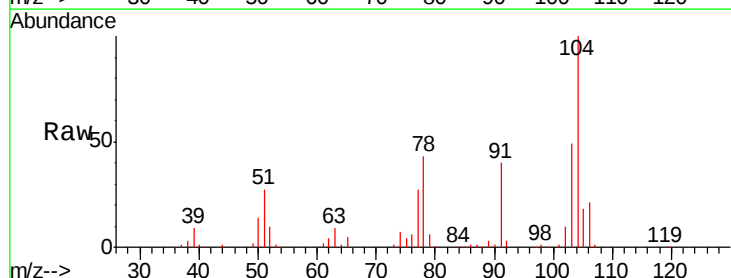
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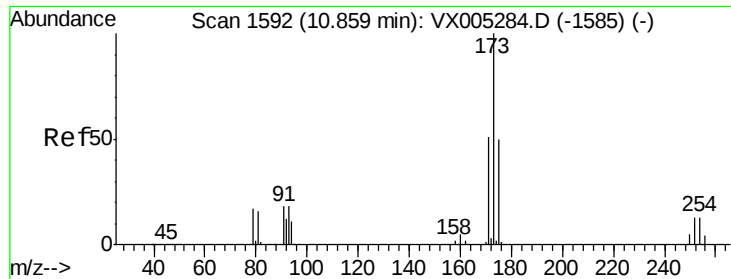
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#70
Styrene
Concen: 3.95 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion:104 Resp: 33353
Ion Ratio Lower Upper
104 100
78 49.5 37.4 56.0
103 54.6 43.8 65.6





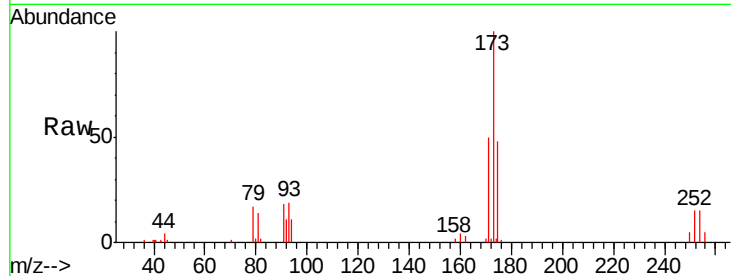
#71
Bromoform
Concen: 4.42 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

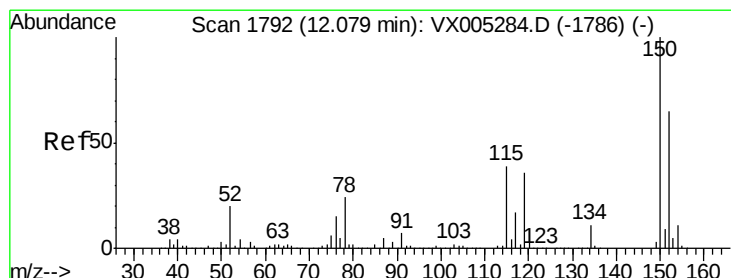
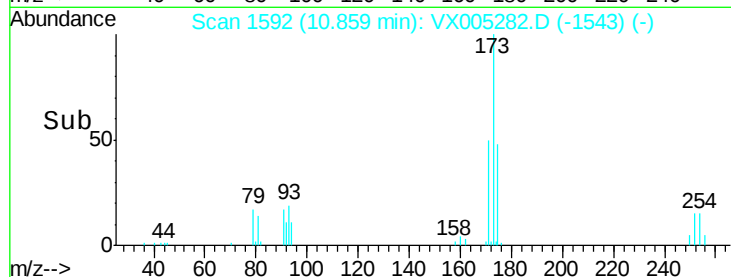
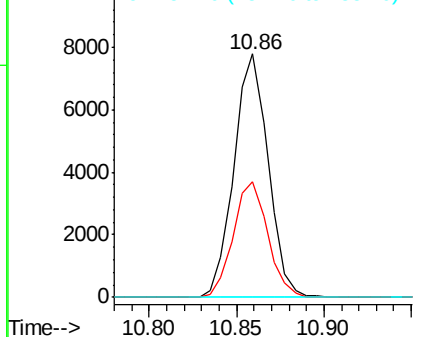
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.2	0.2

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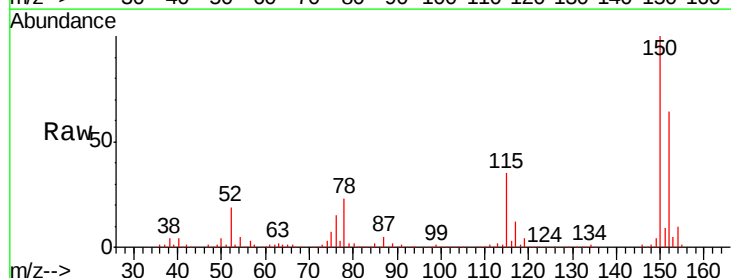


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

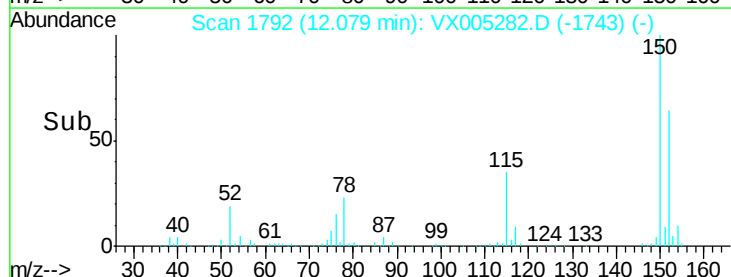
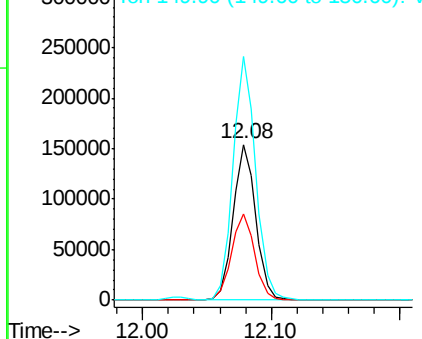


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	39.0	117.0
150	157.7	0.0	351.0



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





#73

Isopropylbenzene

Concen: 4.43 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 54828

Ion Ratio Lower Upper

105 100

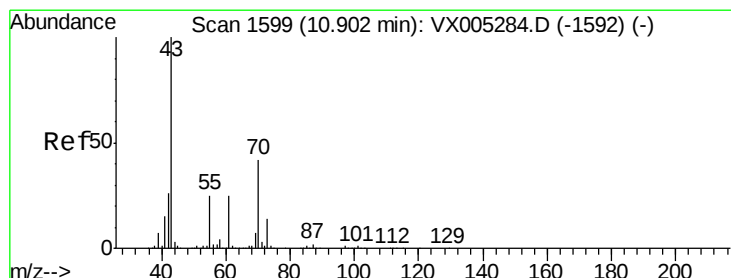
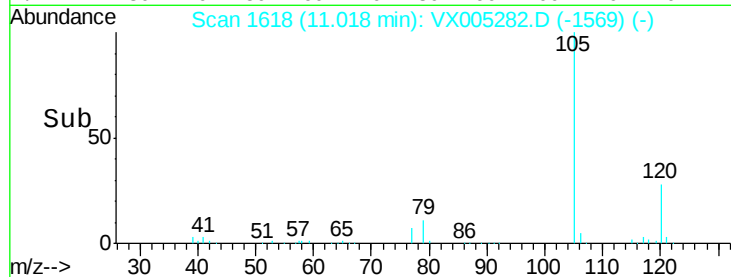
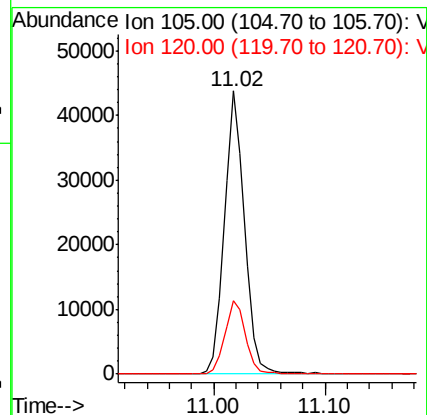
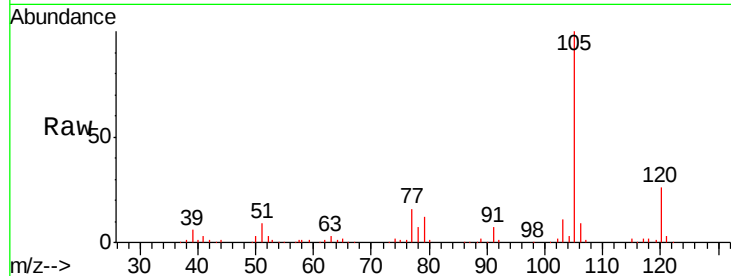
120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 4.79 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Tgt Ion: 43 Resp: 24950

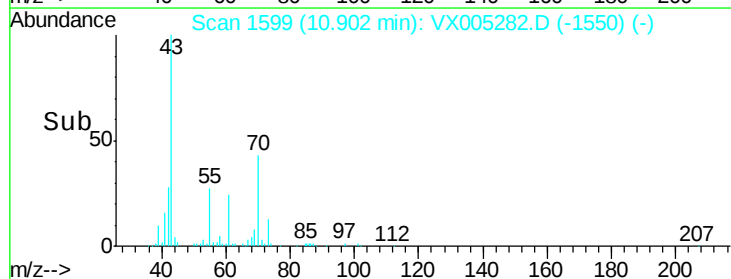
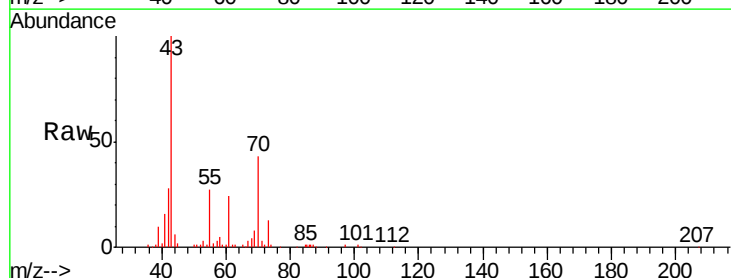
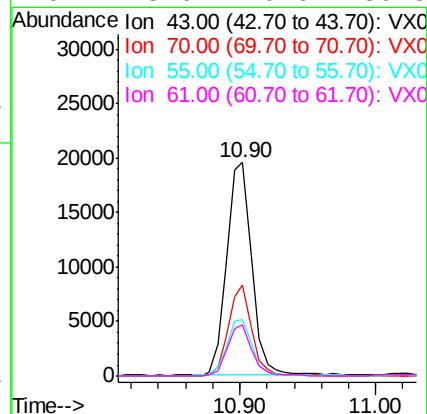
Ion Ratio Lower Upper

43 100

70 40.1 37.4 56.0

55 27.3 21.8 32.8

61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 5.50 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

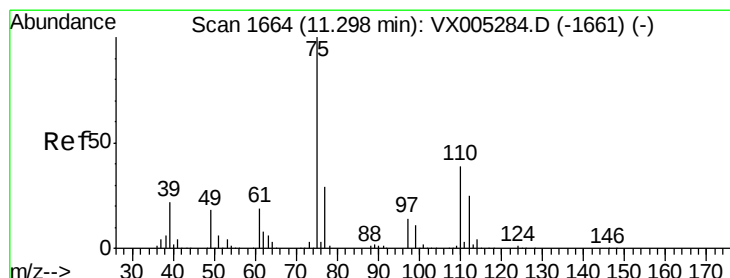
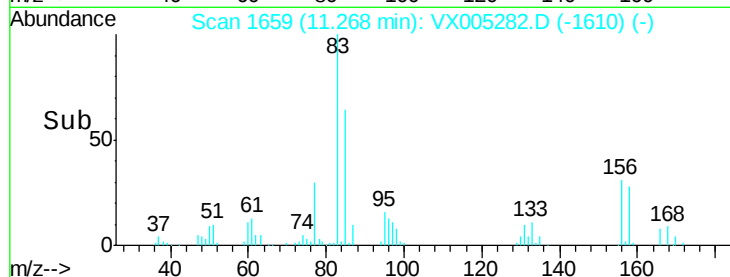
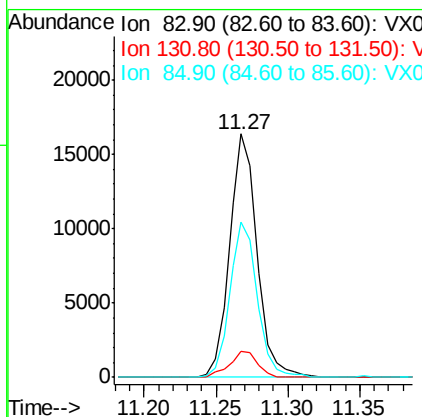
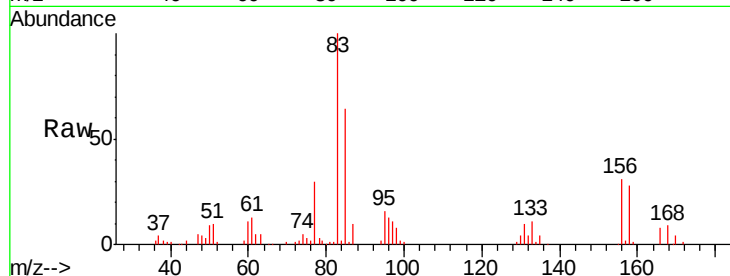
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	21955
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	63.6	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 5.03 ug/l m

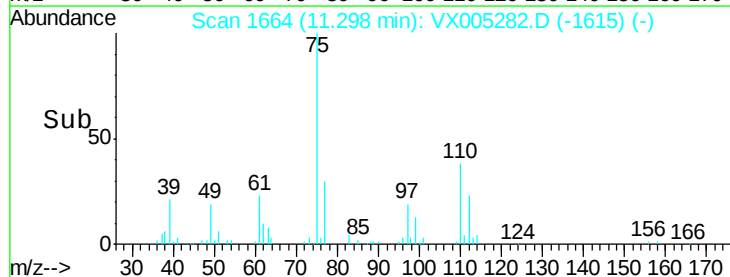
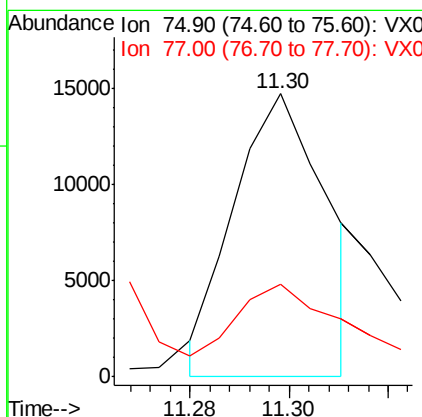
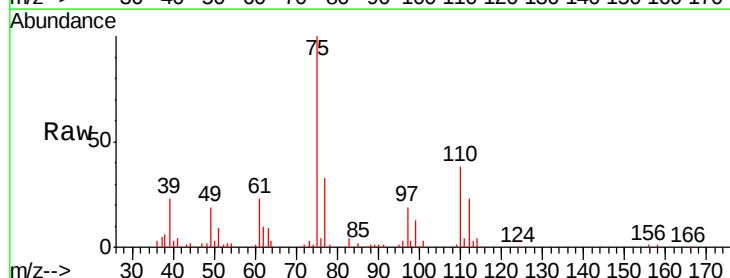
RT: 11.30 min Scan# 1664

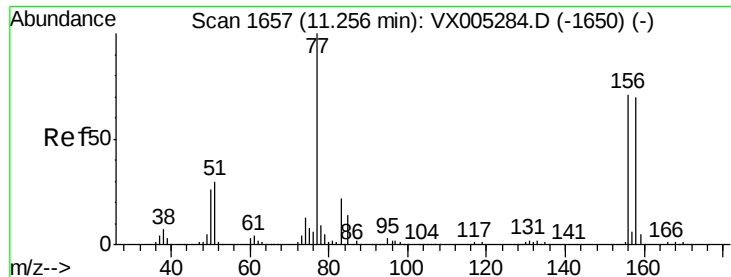
Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Tgt Ion:	75	Resp:	19030
Ion	Ratio	Lower	Upper
75	100		
77	41.5	20.2	60.6





#77

Bromobenzene

Concen: 4.86 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 156 Resp: 16628

Ion Ratio Lower Upper

156 100

77 141.2 71.5 214.3

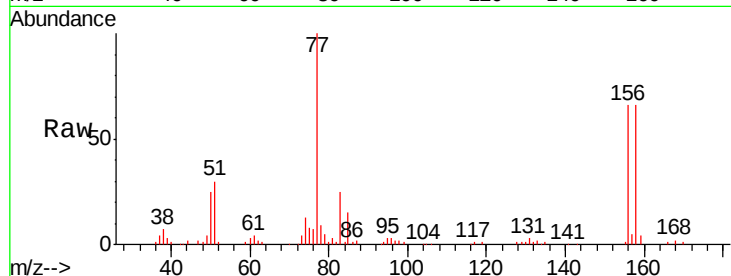
158 97.0 48.9 146.8

Manual Integrations

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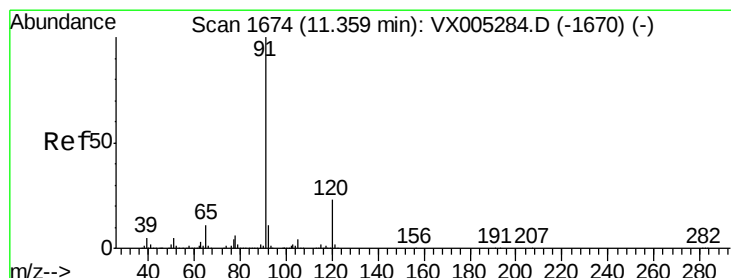
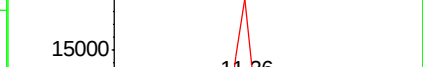
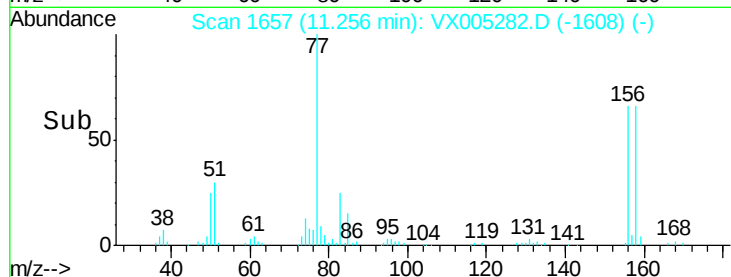


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

Time-->



#78

n-propylbenzene

Concen: 4.39 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005282.D

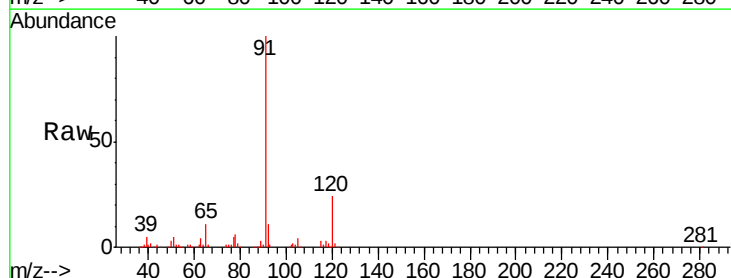
Acq: 12 Oct 2018 09:12

Tgt Ion: 91 Resp: 62467

Ion Ratio Lower Upper

91 100

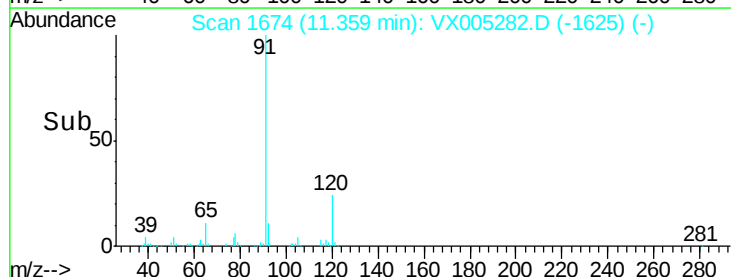
120 24.9 11.9 35.9

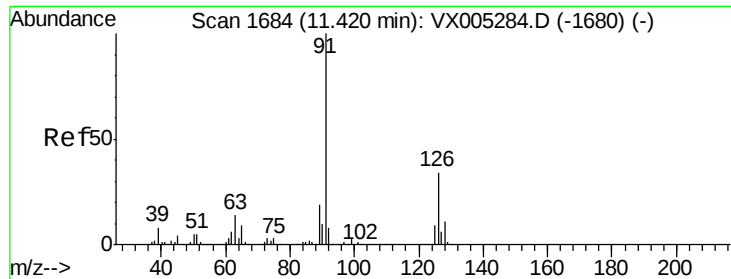


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

Time-->





#79

2-Chlorotoluene

Concen: 4.54 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 39194

Ion Ratio Lower Upper

91 100

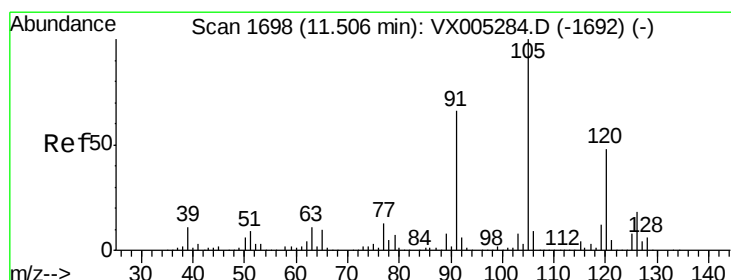
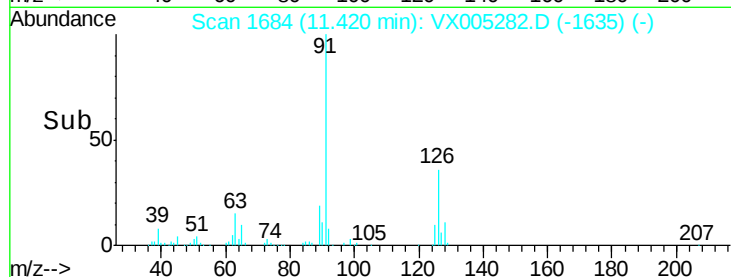
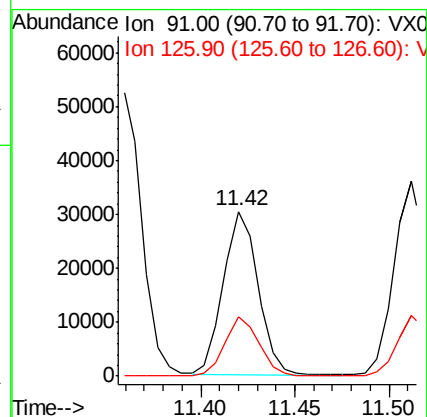
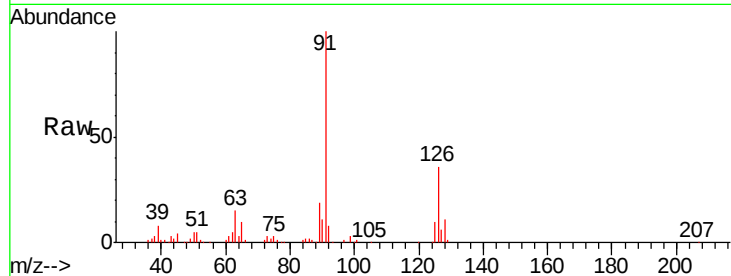
126 35.8 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.51 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005282.D

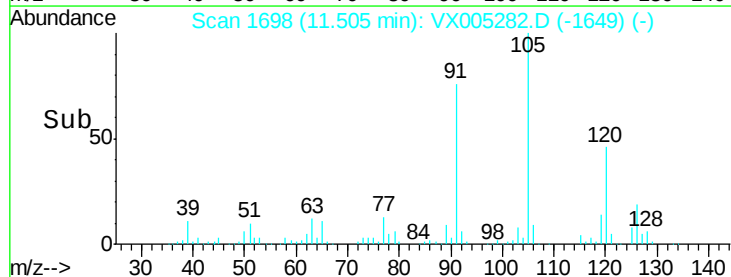
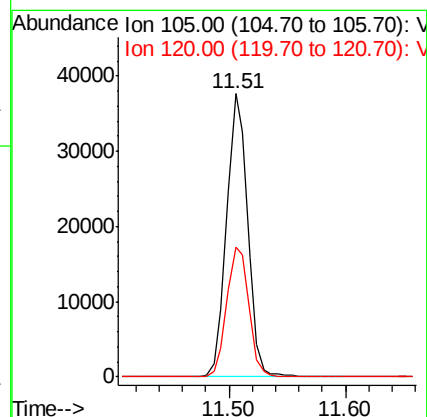
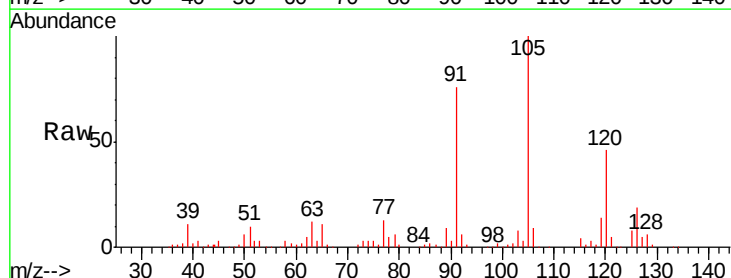
Acq: 12 Oct 2018 09:12

Tgt Ion: 105 Resp: 46953

Ion Ratio Lower Upper

105 100

120 48.1 25.6 76.8





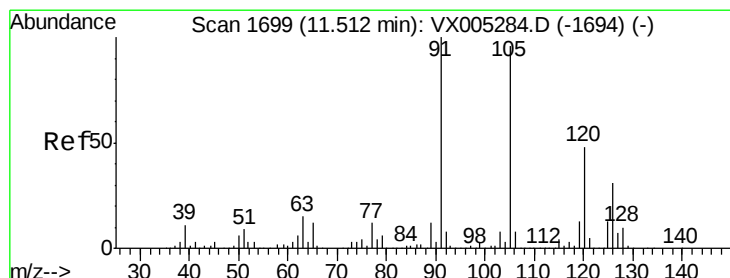
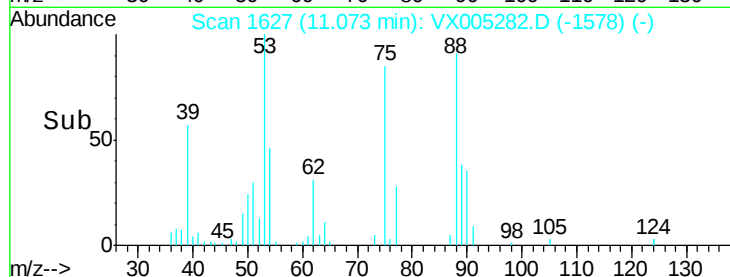
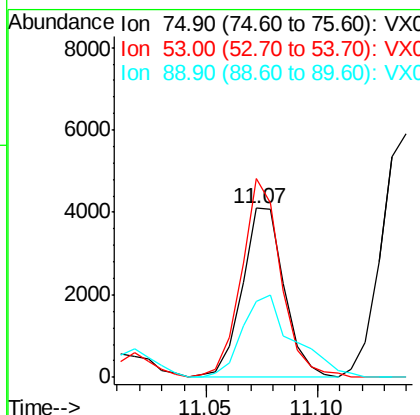
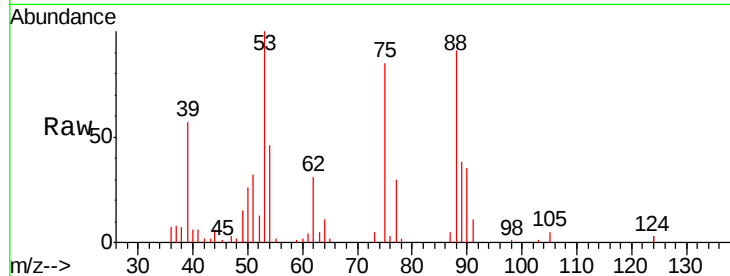
#81
trans-1,4-Dichloro-2-butene
Concen: 4.57 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	109.9	80.1	120.1
89	59.5	37.2	55.8

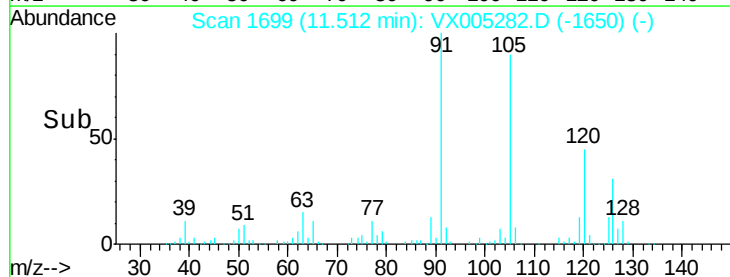
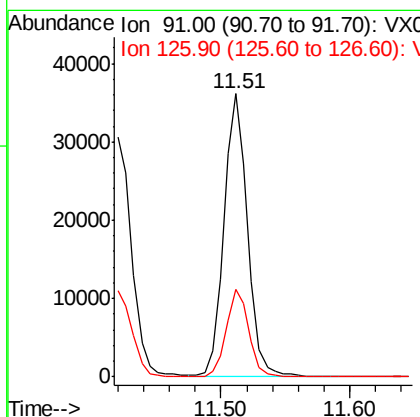
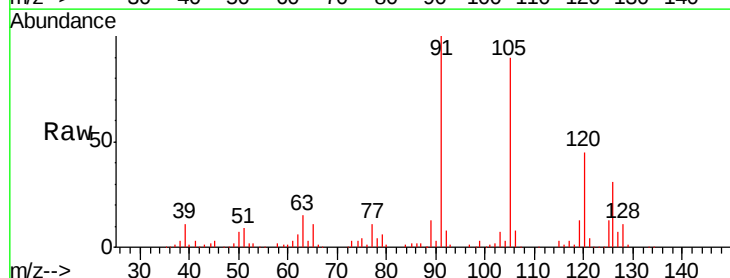
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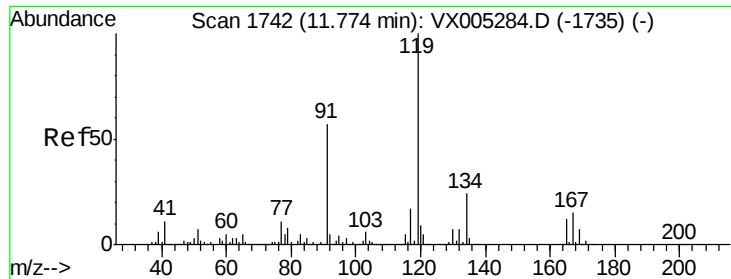
MMDadoda
10/17/2018 9:04:21 AM



#82
4-Chlorotoluene
Concen: 4.58 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.5	46.5





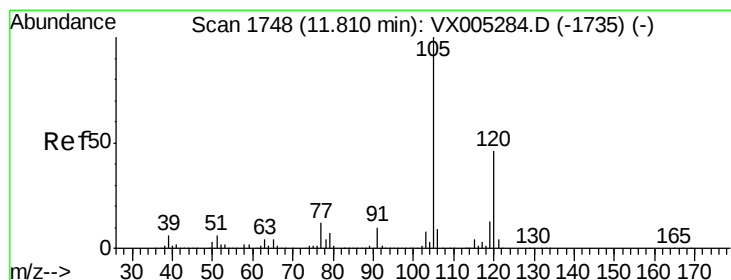
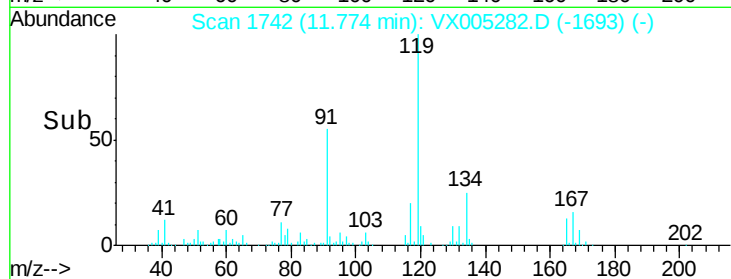
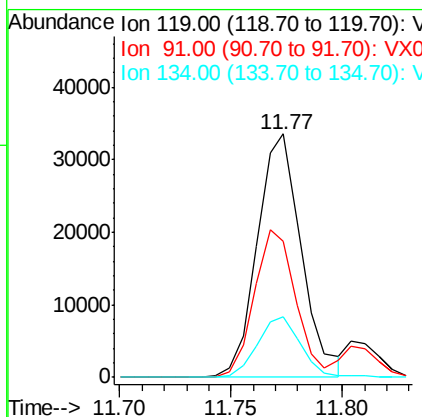
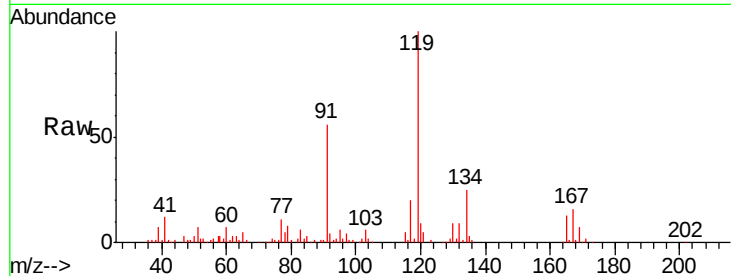
#83
 tert-Butylbenzene
 Concen: 4.65 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.1	27.0	81.0
134	24.7	11.7	35.1

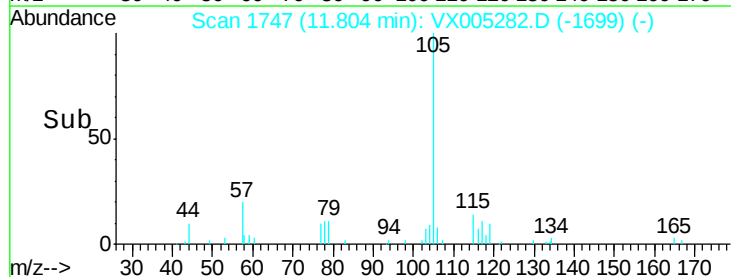
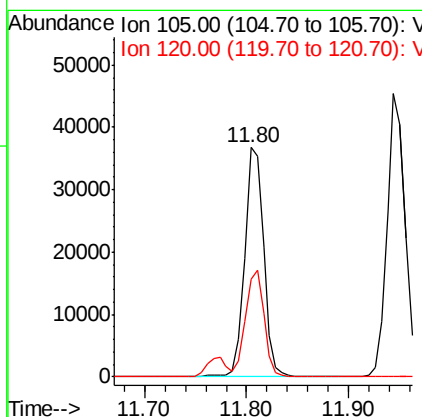
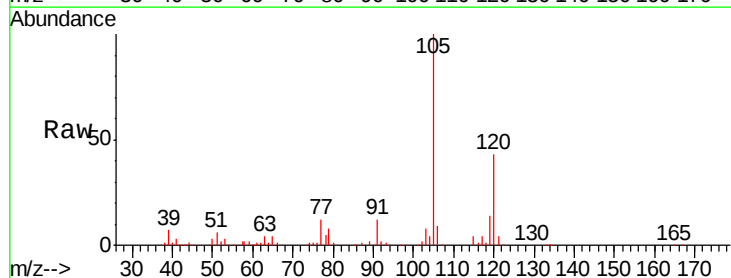
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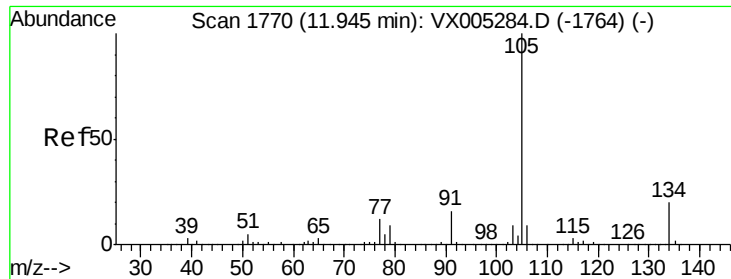
MMDadoda
 10/17/2018 9:04:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.46 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.2	69.6





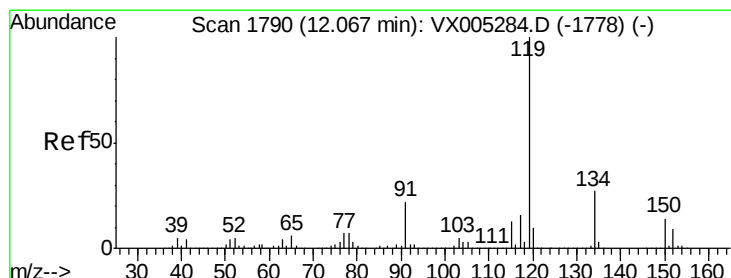
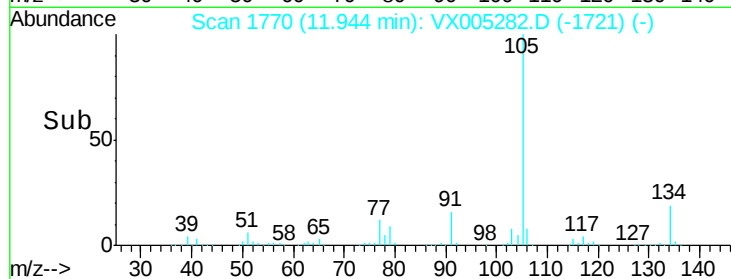
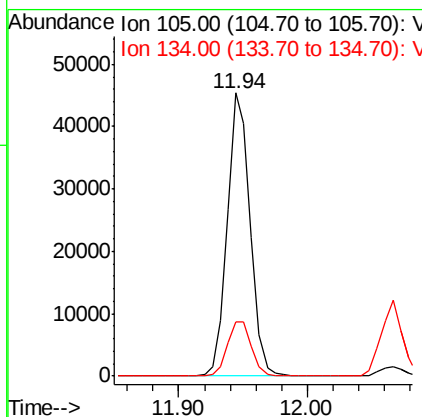
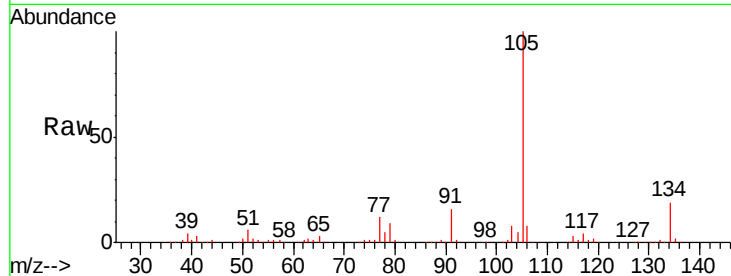
#85
 sec-Butylbenzene
 Concen: 4.48 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 56522
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.5

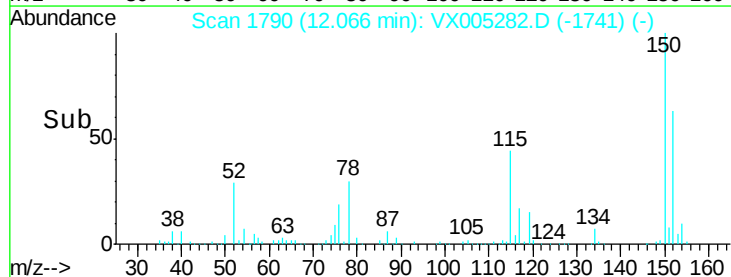
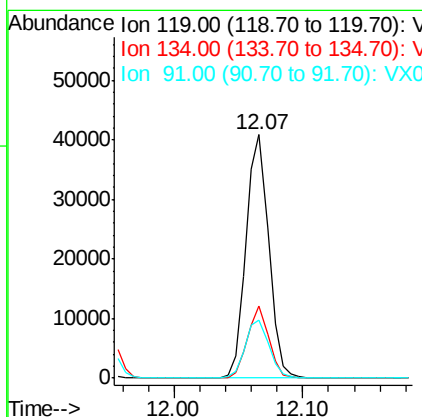
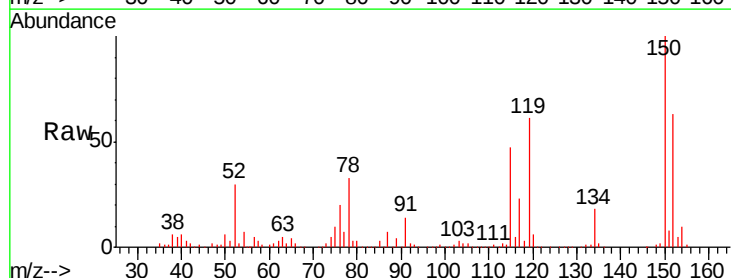
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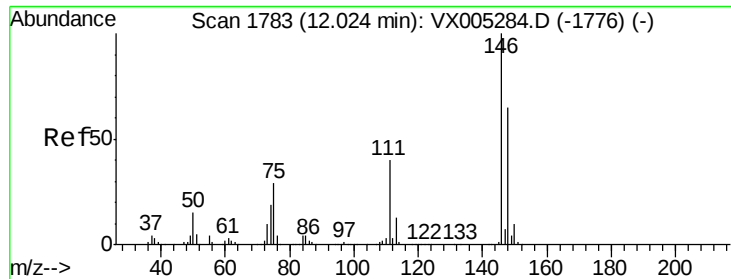
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 4.42 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion:119 Resp: 49325
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.4 40.2
 91 25.5 10.9 32.7





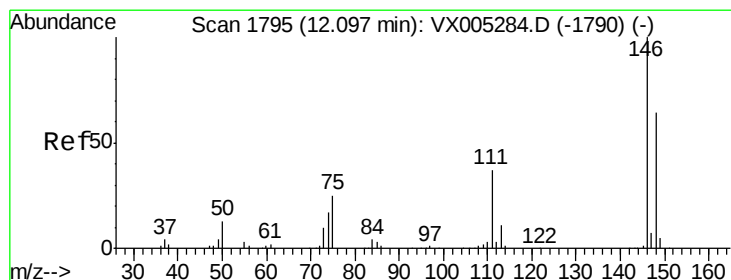
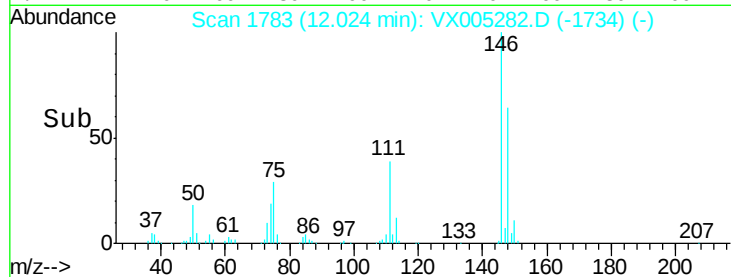
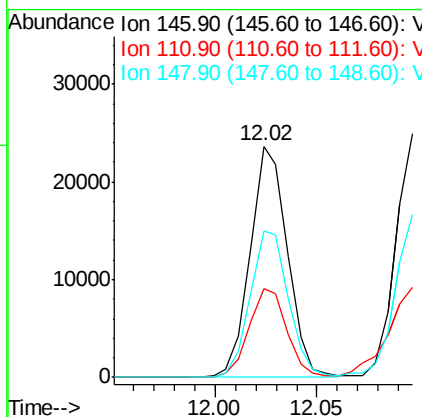
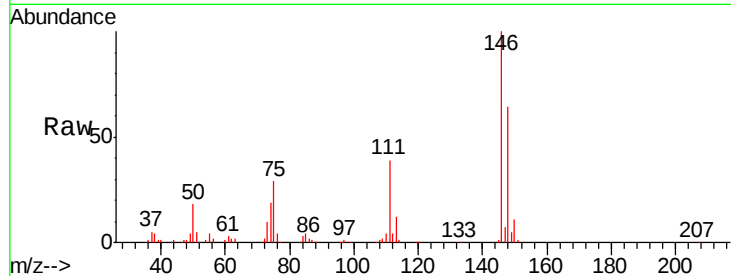
#87
 1,3-Dichlorobenzene
 Concen: 4.71 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.7	56.1
148	65.5	32.1	96.5

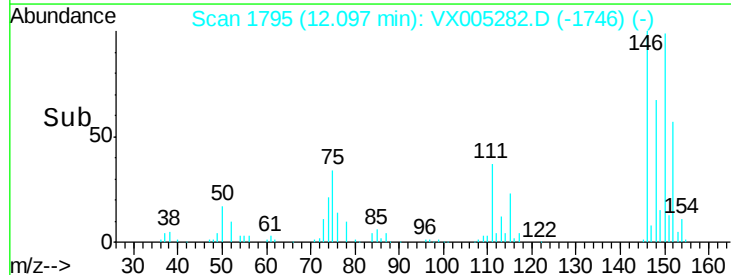
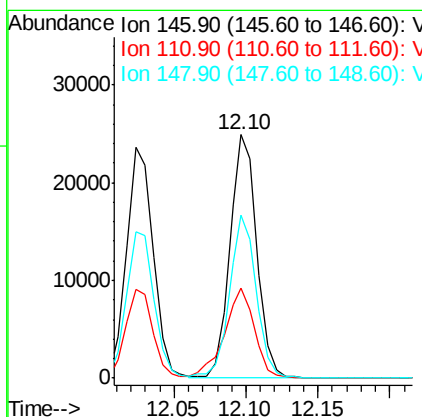
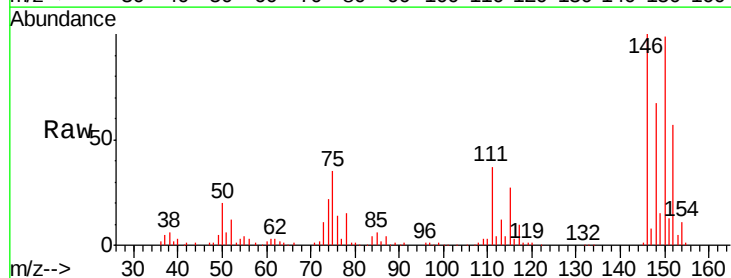
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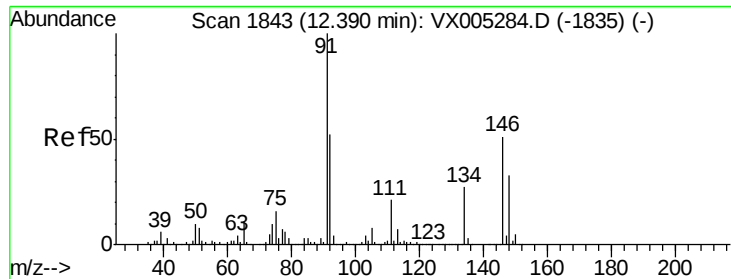
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#88
 1,4-Dichlorobenzene
 Concen: 4.93 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.1	54.1
148	67.1	32.0	96.0





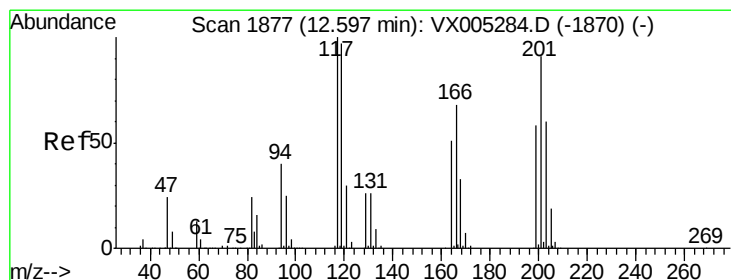
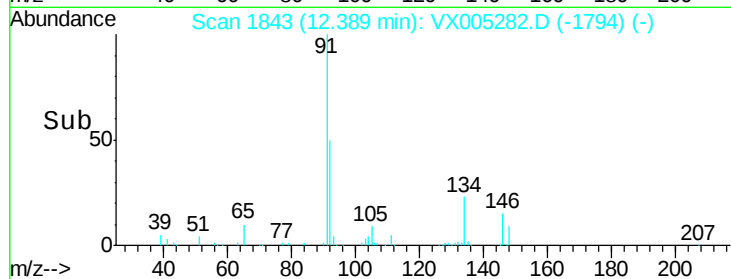
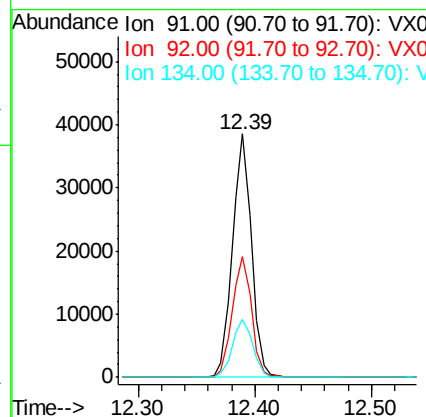
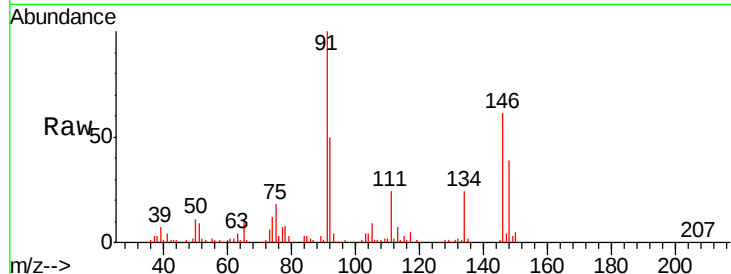
#89
n-Butylbenzene
Concen: 4.30 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.4	27.3	81.9
134	25.3	13.6	40.7

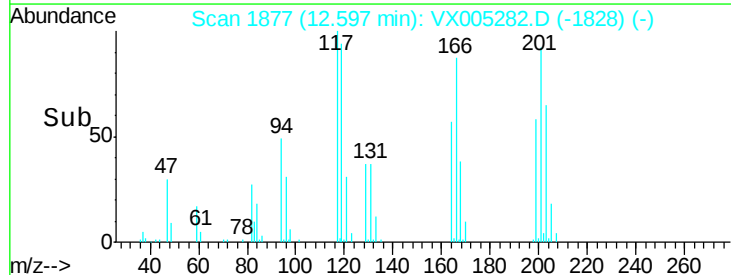
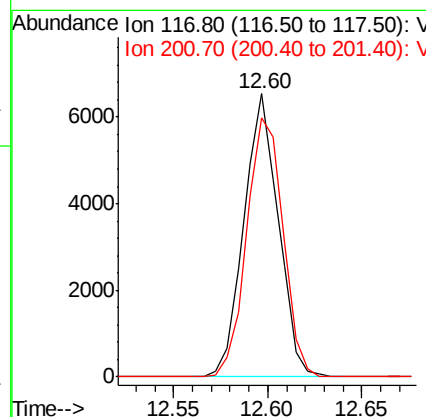
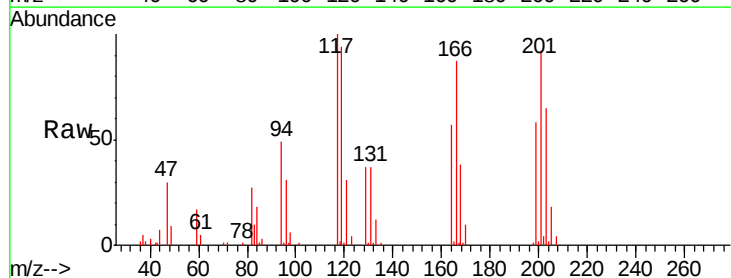
Manual Integrations
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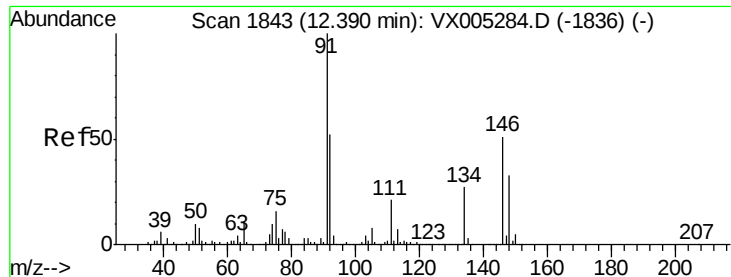
MMDadoda
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#90
Hexachloroethane
Concen: 4.63 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.6	46.9	140.6





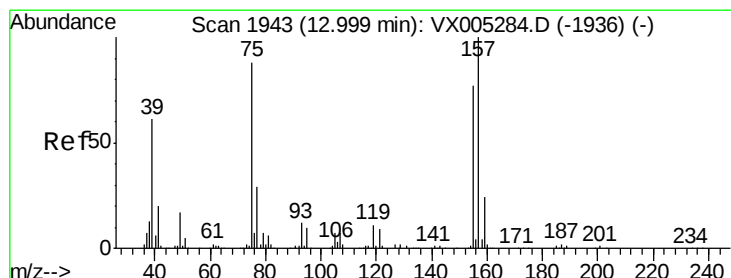
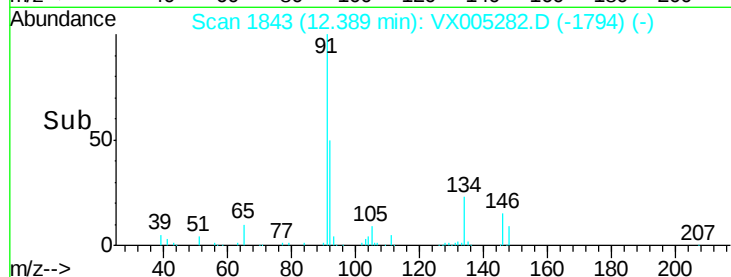
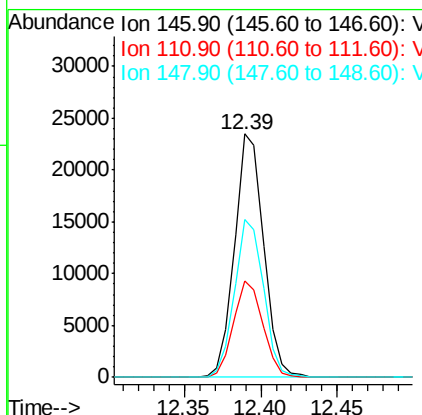
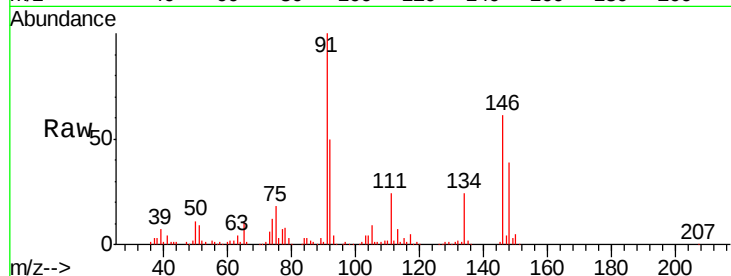
#91
1,2-Dichlorobenzene
Concen: 4.78 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.4	58.1
148	64.5	32.8	98.3

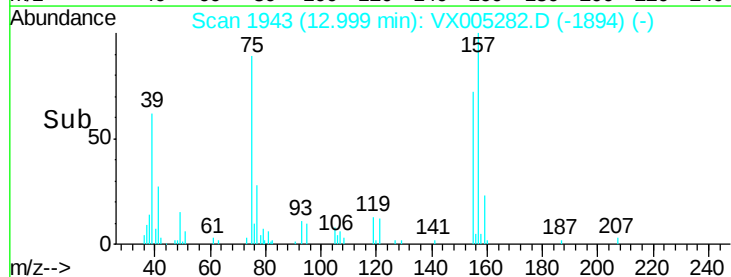
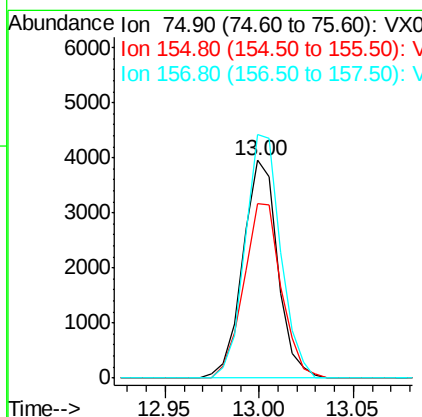
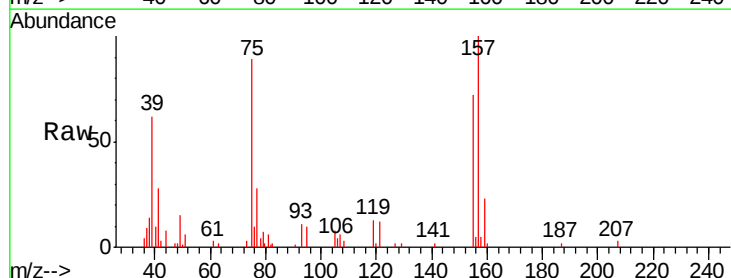
Manual Integrations
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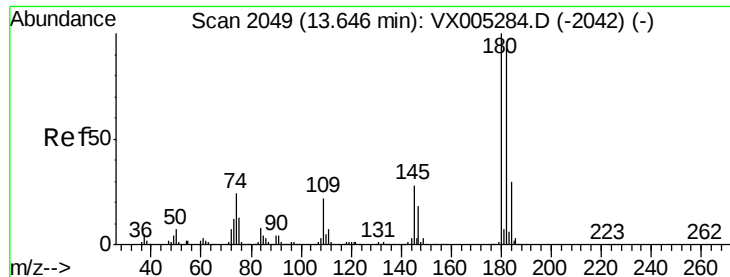
MMDadoda
10/17/2018 9:04:21 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.94 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX005282.D
Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	48.0	144.2
157	114.3	61.4	184.1





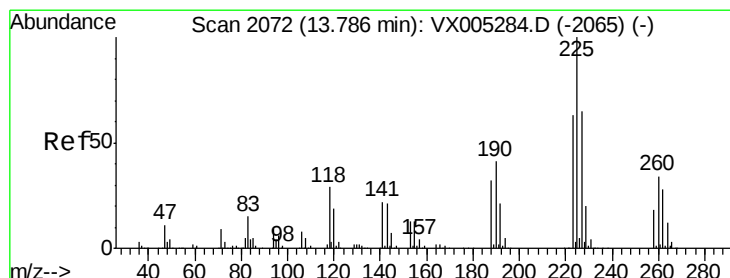
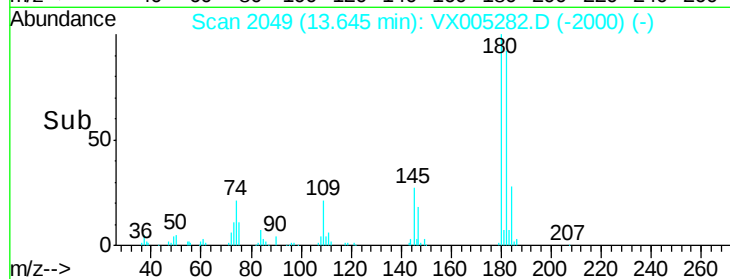
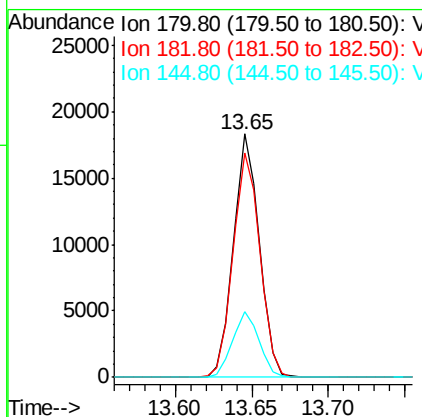
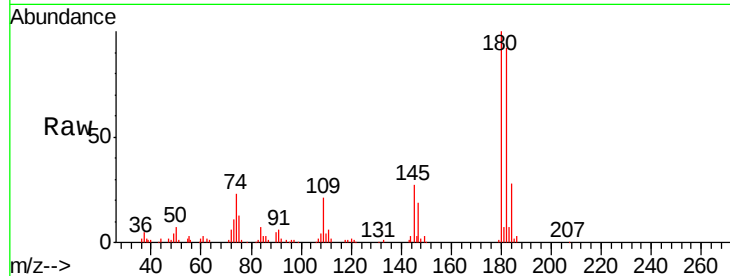
#93
 1,2,4-Trichlorobenzene
 Concen: 4.70 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	27.4	14.3	42.9

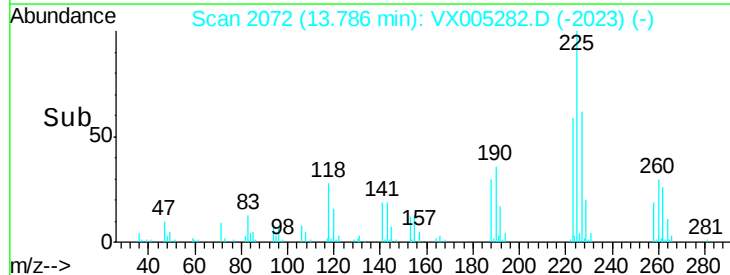
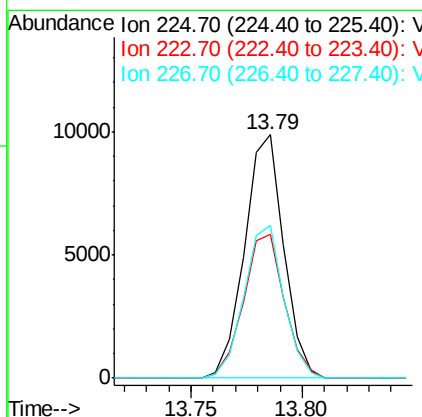
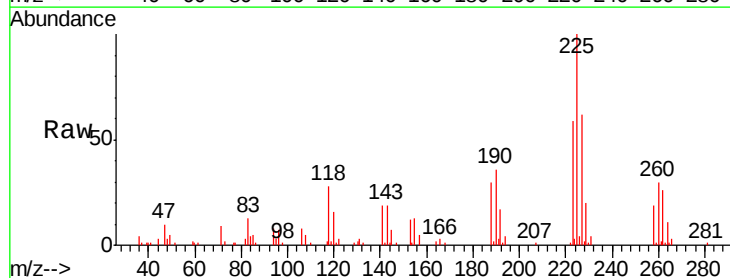
Manual Integrations
 APPROVED

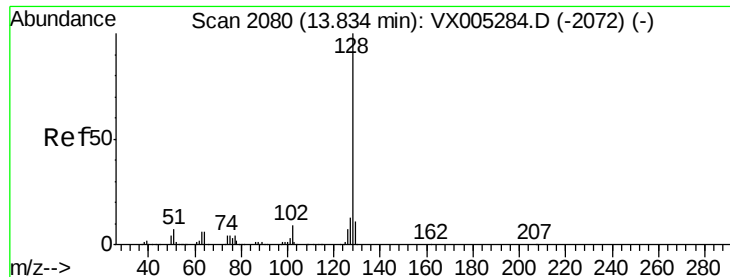
MMDadoda
 10/17/2018 9:04:21 AM



#94
 Hexachlorobutadiene
 Concen: 5.08 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005282.D
 Acq: 12 Oct 2018 09:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.1	90.5
227	63.4	30.8	92.4





#95

Naphthalene

Concen: 4.48 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Instrument :

MSVOA_X

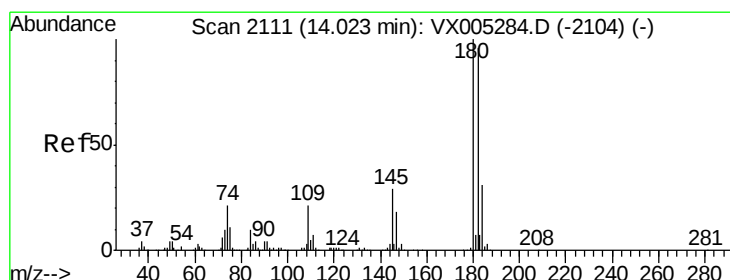
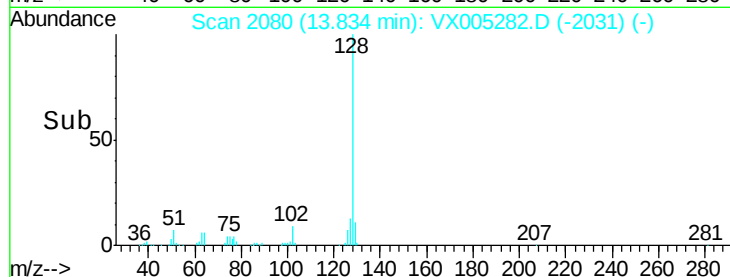
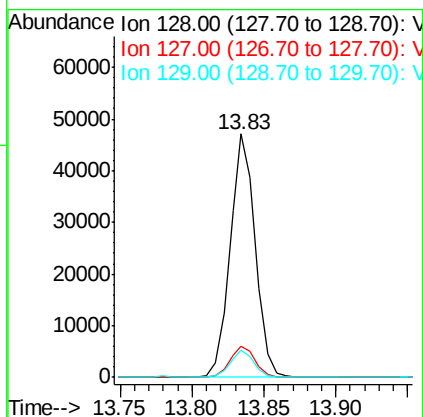
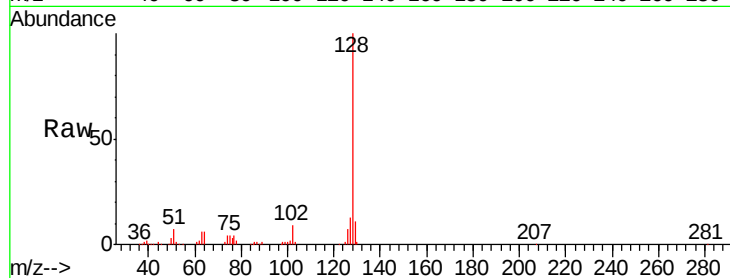
ClientSampleId :

VSTDIC005

Tgt Ion:	128	Resp:	57494
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.67 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005282.D

Acq: 12 Oct 2018 09:12

Tgt Ion:	180	Resp:	21963
Ion	Ratio	Lower	Upper
180	100		
182	98.6	48.5	145.6
145	30.5	14.9	44.9

