

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005281.D
 Acq On : 12 Oct 2018 08:45
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:16 AM

Quant Time: Oct 12 11:21:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:44:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	307384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	419833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200063	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2587	0.90	ug/l	97
3) Chloromethane	1.32	50	4272	1.08	ug/l	97
4) Vinyl Chloride	1.40	62	4196	1.03	ug/l #	78
5) Bromomethane	1.64	94	3064	1.58	ug/l	96
6) Chloroethane	1.71	64	2706	1.03	ug/l	99
7) Trichlorofluoromethane	1.92	101	5323	0.99	ug/l	91
8) Diethyl Ether	2.19	74	2338	0.97	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3237	0.95	ug/l	93
12) 1,1-Dichloroethene	2.37	96	3246	1.01	ug/l	86
14) Allyl chloride	2.73	41	6459	0.98	ug/l	96
15) Acrylonitrile	3.14	53	12372	5.43	ug/l	100
16) Acetone	2.45	43	12353	6.39	ug/l	93
17) Carbon Disulfide	2.57	76	9775	1.05	ug/l	98
18) Methyl Acetate	2.78	43	6701	1.23	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	11008	0.98	ug/l #	87
20) Methylene Chloride	2.85	84	4151	1.05	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	3583	1.01	ug/l	86
22) Diisopropyl ether	3.87	45	11272	0.95	ug/l	94
23) Vinyl Acetate	3.82	43	47334	4.92	ug/l	97
24) 1,1-Dichloroethane	3.70	63	6728	1.00	ug/l #	90
25) 2-Butanone	4.70	43	15544	5.05	ug/l	95
26) 2,2-Dichloropropane	4.59	77	5216	1.13	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	3742	0.94	ug/l	77
28) Bromochloromethane	5.01	49	3042	0.99	ug/l	83
29) Tetrahydrofuran	5.15	42	9107	4.91	ug/l	96
30) Chloroform	5.21	83	5939	0.91	ug/l #	81
31) Cyclohexane	5.59	56	4743	0.83	ug/l #	72
32) 1,1,1-Trichloroethane	5.49	97	5228	0.99	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	4539	0.89	ug/l	95
37) Ethyl Acetate	4.85	43	6059	1.05	ug/l #	90
38) Carbon Tetrachloride	5.78	117	4285	0.86	ug/l #	73
39) Methylcyclohexane	7.46	83	4470	0.84	ug/l #	79
40) Benzene	6.14	78	13174	0.87	ug/l	97
41) Methacrylonitrile	5.06	41	3042	0.95	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	5120	1.02	ug/l	95
43) Isopropyl Acetate	6.46	43	7530	0.98	ug/l #	91
44) Trichloroethene	7.21	130	4747	1.21	ug/l	92
45) 1,2-Dichloropropane	7.52	63	3377	0.93	ug/l	97
46) Dibromomethane	7.66	93	2307	1.00	ug/l	97
47) Bromodichloromethane	7.90	83	3933	0.90	ug/l #	95
48) Methyl methacrylate	7.77	41	3487	0.92	ug/l	91
49) 1,4-Dioxane	7.76	88	1547	17.15	ug/l #	81
51) 4-Methyl-2-Pentanone	8.65	43	22790	4.19	ug/l	92
52) Toluene	8.78	92	6682	0.75	ug/l	91
53) t-1,3-Dichloropropene	9.04	75	3808	0.75	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	4303	0.83	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	3111	0.81	ug/l	96
56) Ethyl methacrylate	9.18	69	3599	0.66	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	5224	0.84	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	10055	4.04	ug/l	95
59) 2-Hexanone	9.49	43	17934	4.30	ug/l	87
60) Dibromochloromethane	9.59	129	2921	0.81	ug/l	99
61) 1,2-Dibromoethane	9.67	107	3135	0.86	ug/l	99
64) Tetrachloroethene	9.34	164	3439	0.74	ug/l	92
65) Chlorobenzene	10.14	112	8984	0.97	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	2965	0.92	ug/l #	64
67) Ethyl Benzene	10.25	91	12959	0.86	ug/l	94
68) m/p-Xylenes	10.36	106	9589	1.64	ug/l	98
69) o-Xylene	10.70	106	4642	0.83	ug/l	98
70) Styrene	10.71	104	6768	0.73	ug/l	93
71) Bromoform	10.86	173	2327	0.88	ug/l #	89
73) Isopropylbenzene	11.02	105	11234	0.85	ug/l	99
74) N-amyl acetate	10.90	43	5125	0.92	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	4975	1.17	ug/l	95
76) 1,2,3-Trichloropropane	11.30	75	3946m	0.98	ug/l	
77) Bromobenzene	11.26	156	3547	0.97	ug/l	93
78) n-propylbenzene	11.36	91	12595	0.83	ug/l	100
79) 2-Chlorotoluene	11.42	91	8302	0.90	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	8862	0.80	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	1166	0.92	ug/l #	79
82) 4-Chlorotoluene	11.51	91	9639	0.90	ug/l	99
83) tert-Butylbenzene	11.77	119	9870	0.94	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	9135	0.81	ug/l	98
85) sec-Butylbenzene	11.94	105	10734	0.80	ug/l	100
86) p-Isopropyltoluene	12.07	119	9677	0.82	ug/l	91
87) 1,3-Dichlorobenzene	12.02	146	6667	0.98	ug/l	94
88) 1,4-Dichlorobenzene	12.02	146	6667	0.95	ug/l	93
89) n-Butylbenzene	12.39	91	9580	0.89	ug/l	94
90) Hexachloroethane	12.60	117	1949	1.03	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	7050	1.03	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1219	1.34	ug/l	83
93) 1,2,4-Trichlorobenzene	13.65	180	4517	0.93	ug/l	94
94) Hexachlorobutadiene	13.79	225	2742	1.08	ug/l	93
95) Naphthalene	13.83	128	11631	0.85	ug/l	97

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ClientSampleId :
VSTDICC001

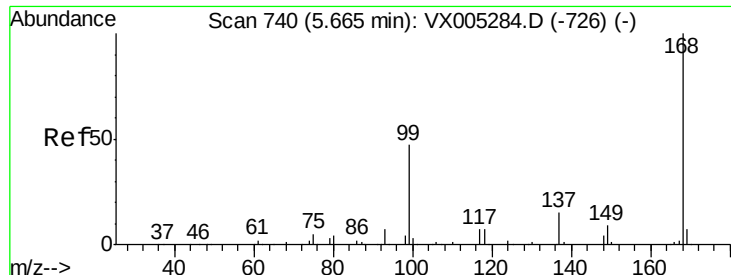
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	4762	0.95	ug/l	97

(#) = 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: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:168 Resp: 307384

Ion Ratio Lower Upper

168 100

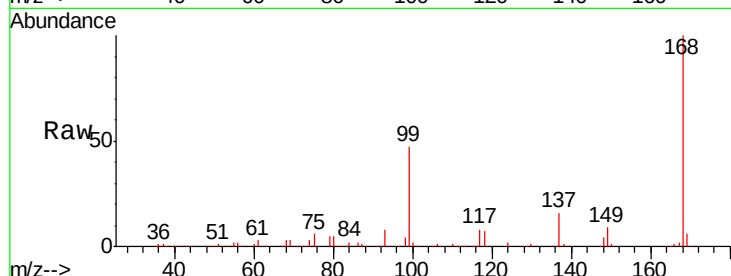
99 46.7 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

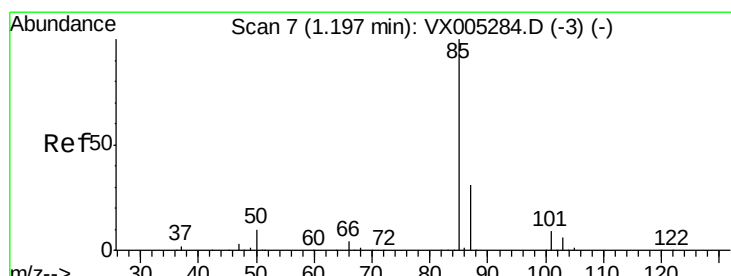
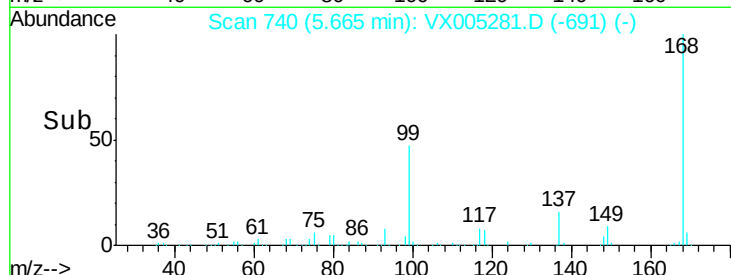
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 0.90 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX005281.D

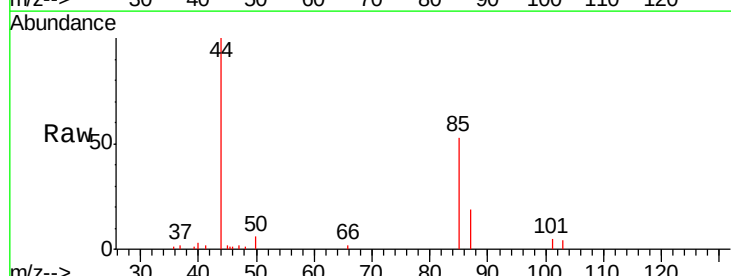
Acq: 12 Oct 2018 08:45

Tgt Ion: 85 Resp: 2587

Ion Ratio Lower Upper

85 100

87 35.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

3000

2500

2000

1500

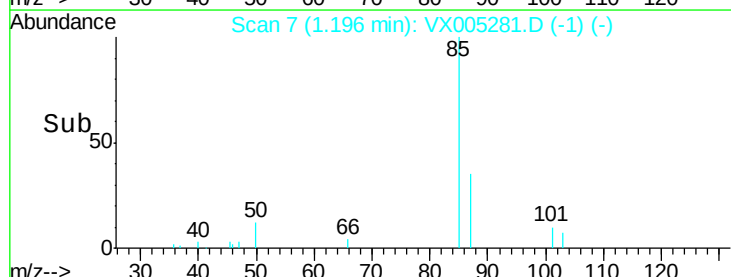
1000

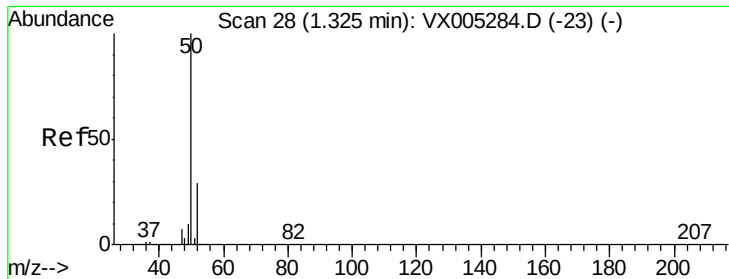
500

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 1.08 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 4272

Ion Ratio Lower Upper

50 100

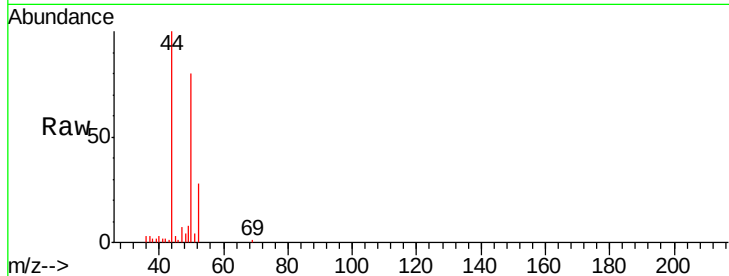
52 34.6 26.2 39.2

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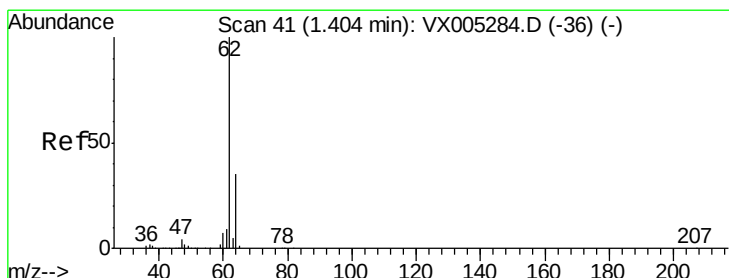
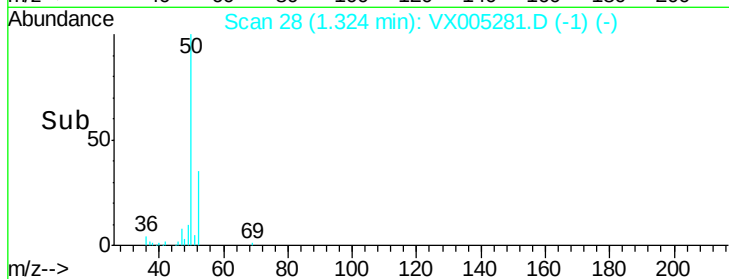
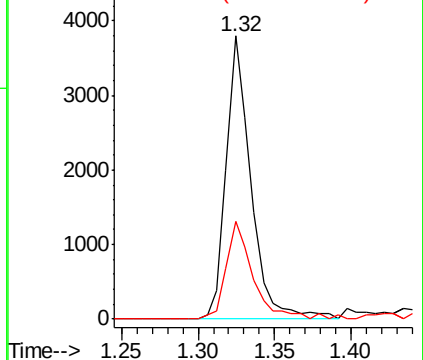
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.03 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005281.D

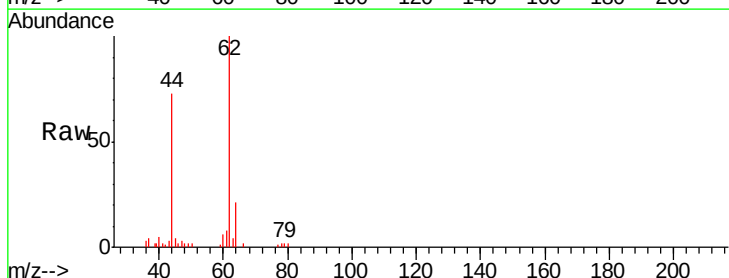
Acq: 12 Oct 2018 08:45

Tgt Ion: 62 Resp: 4196

Ion Ratio Lower Upper

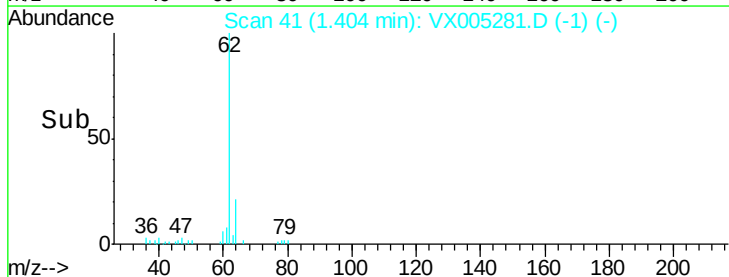
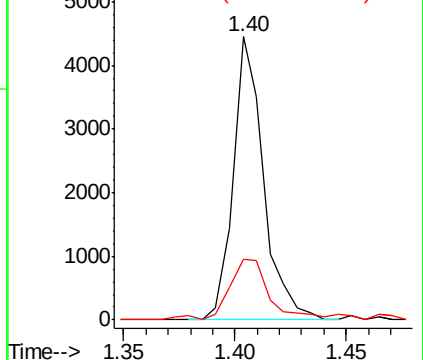
62 100

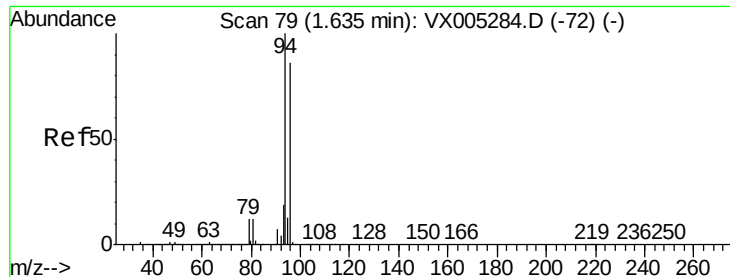
64 19.8 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.58 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 3064

Ion Ratio Lower Upper

94 100

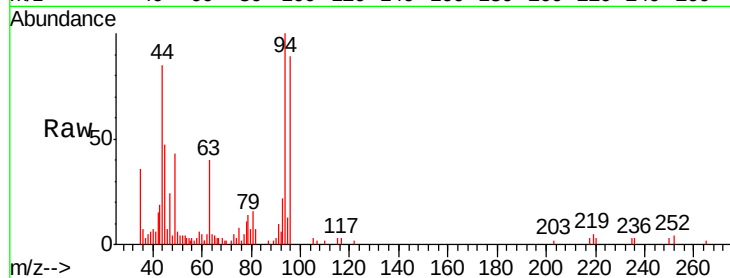
96 88.9 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

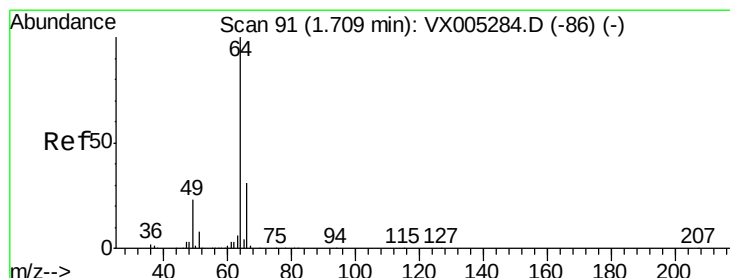
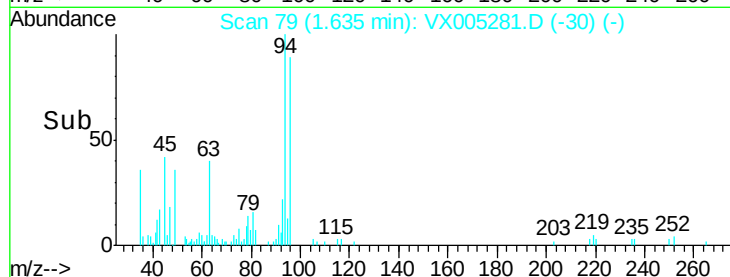
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 1.03 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005281.D

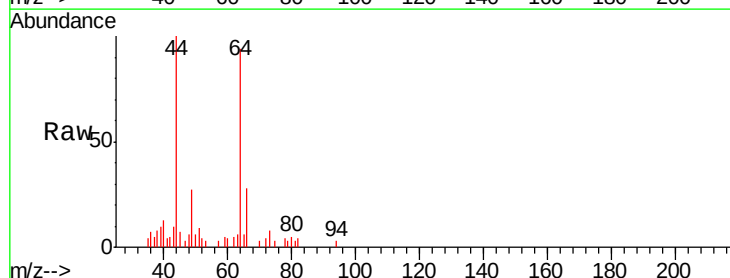
Acq: 12 Oct 2018 08:45

Tgt Ion: 64 Resp: 2706

Ion Ratio Lower Upper

64 100

66 30.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

2000

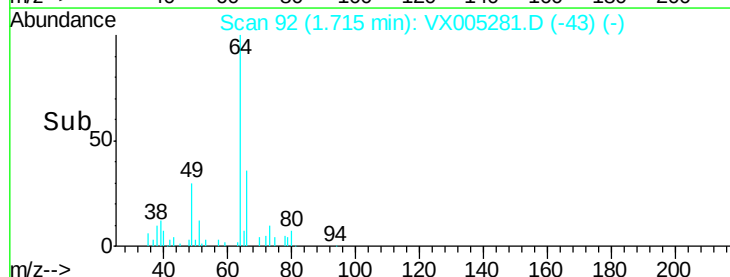
1500

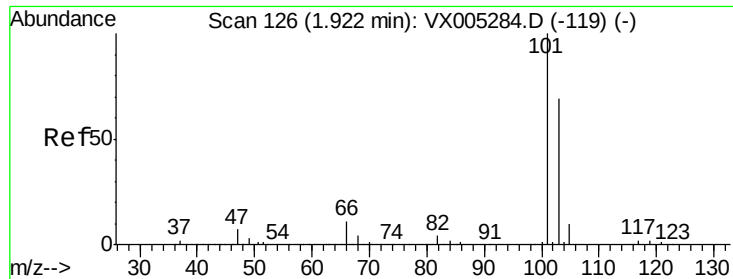
1000

500

0

Time-->





#7

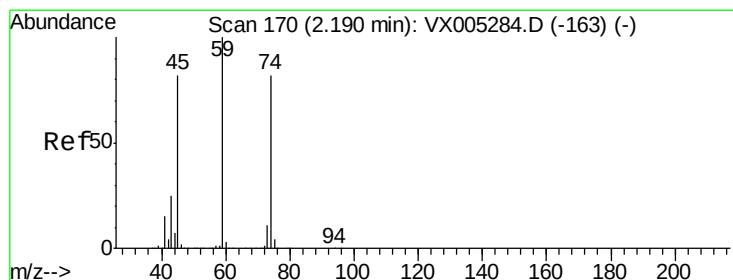
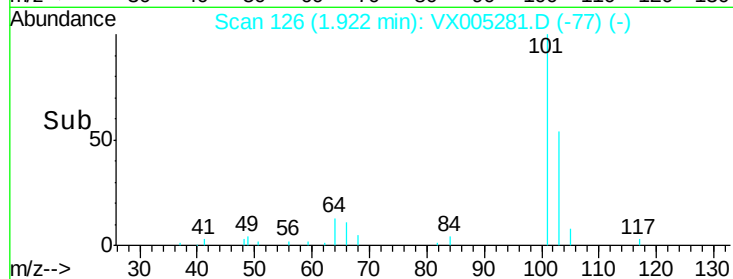
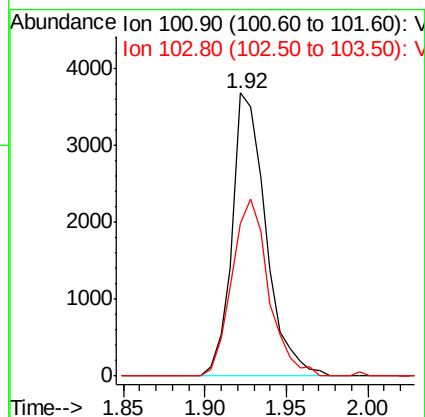
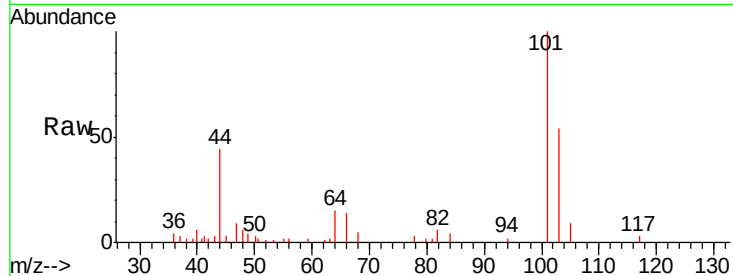
Trichlorofluoromethane
Concen: 0.99 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 101 Resp: 5323
Ion Ratio Lower Upper
101 100
103 53.9 48.9 73.3

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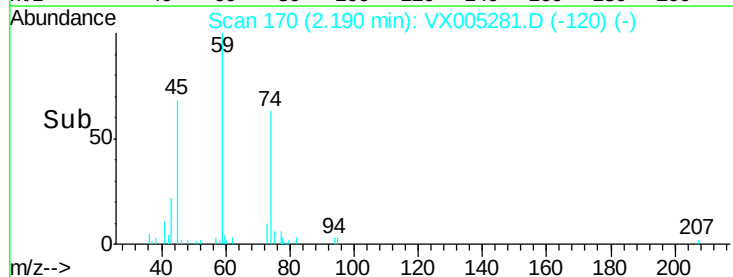
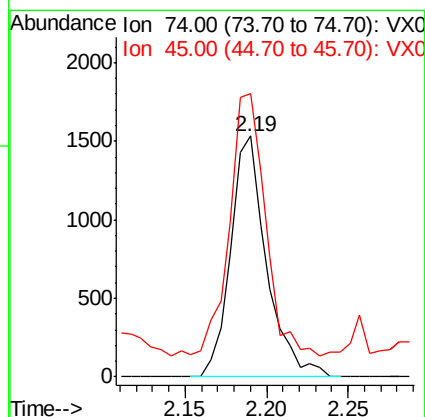
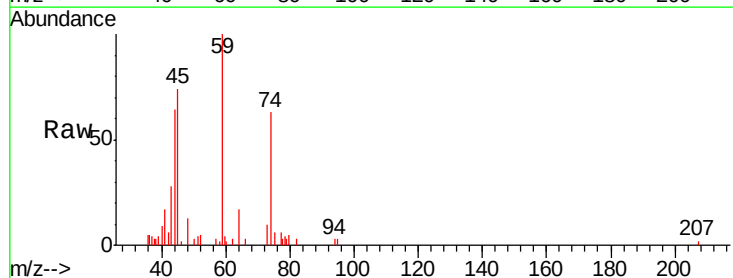
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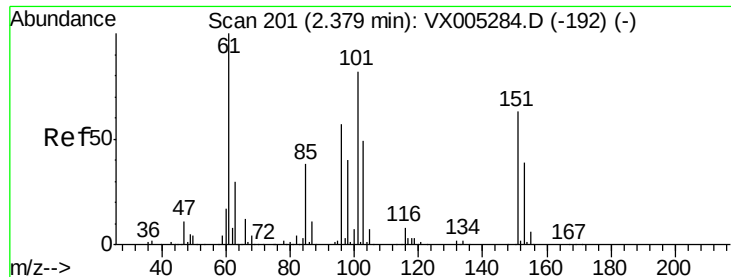


#8

Diethyl Ether
Concen: 0.97 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 74 Resp: 2338
Ion Ratio Lower Upper
74 100
45 108.5 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.95 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

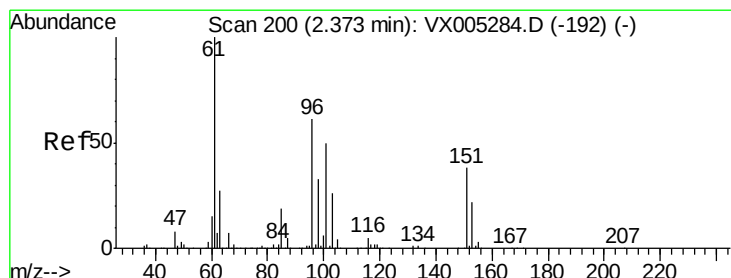
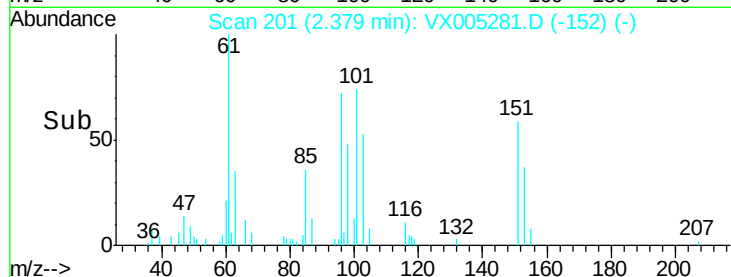
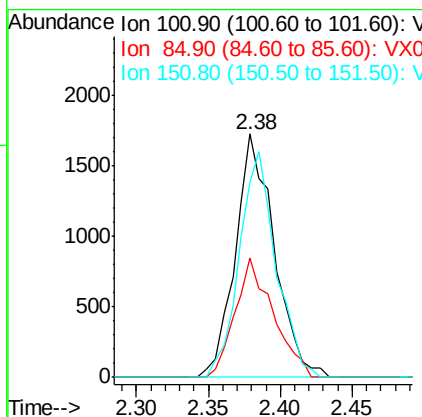
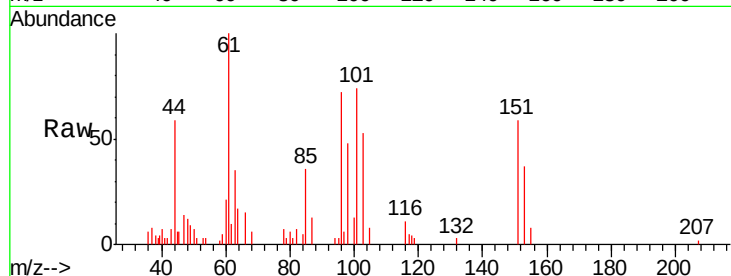
ClientSampleId :

VSTDIC001

Tgt Ion:	101	Resp:	3237
Ion Ratio	Lower	Upper	
101	100		
85	48.3	34.2	51.4
151	87.1	65.0	97.6

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#12

1,1-Dichloroethene

Concen: 1.01 ug/l

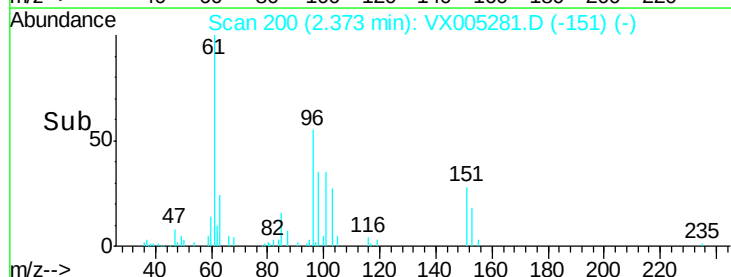
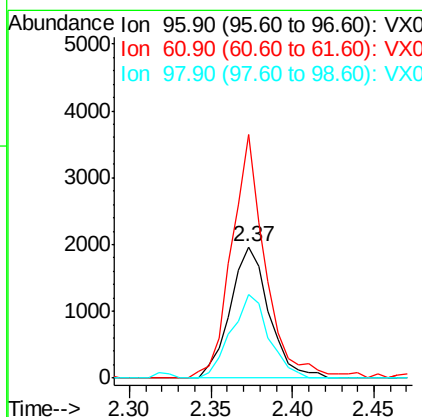
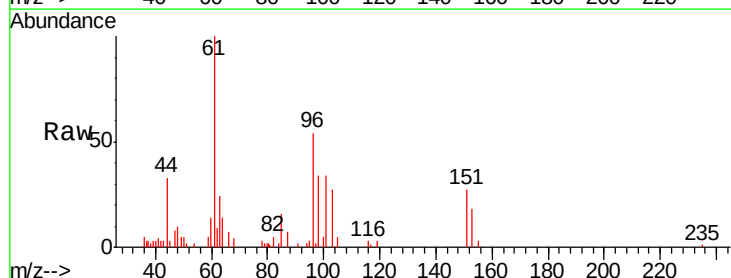
RT: 2.37 min Scan# 200

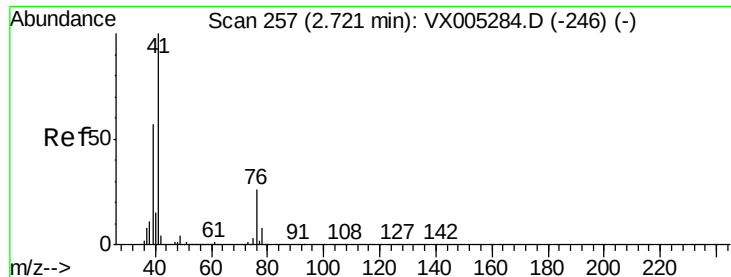
Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion:	96	Resp:	3246
Ion Ratio	Lower	Upper	
96	100		
61	185.1	128.8	193.2
98	63.5	52.2	78.2





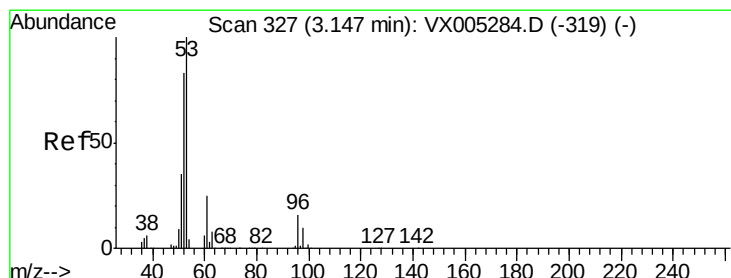
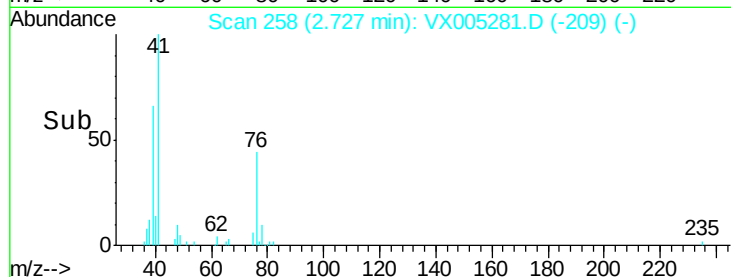
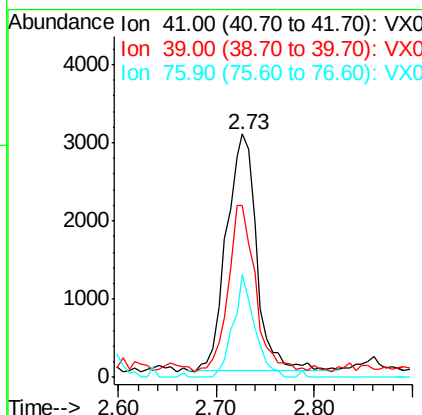
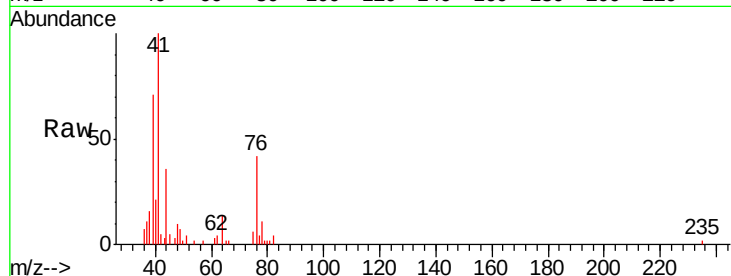
#14
 Allyl chloride
 Concen: 0.98 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.0	48.9	73.3
76	30.9	26.7	40.1

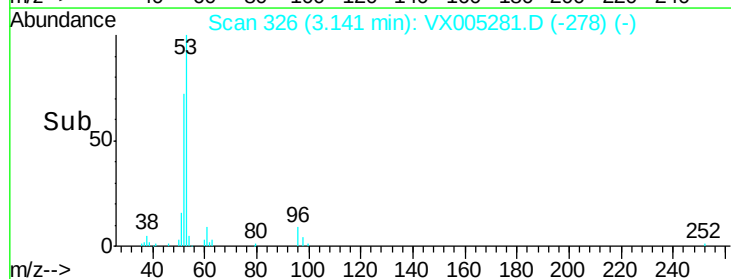
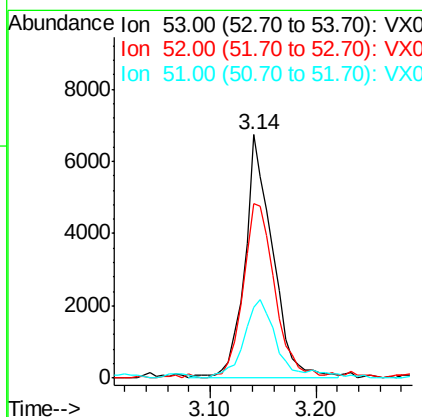
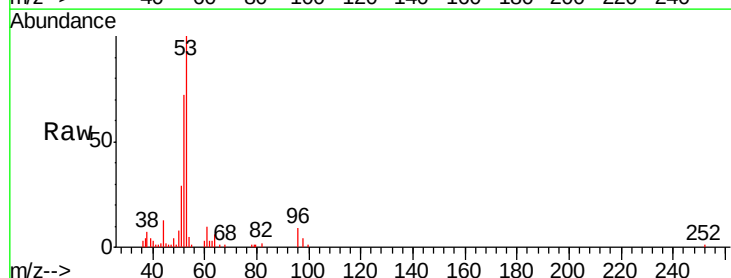
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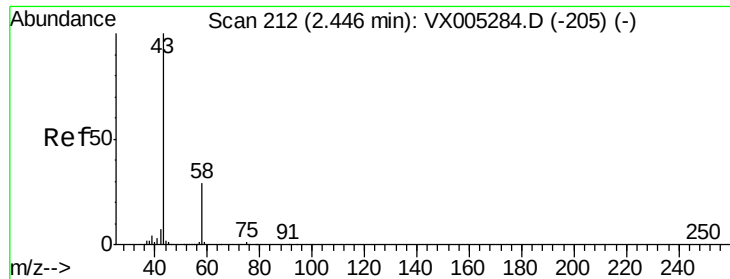
MMDadoda
 10/17/2018 9:04:16 AM



#15
 Acrylonitrile
 Concen: 5.43 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	35.8	28.2	42.2





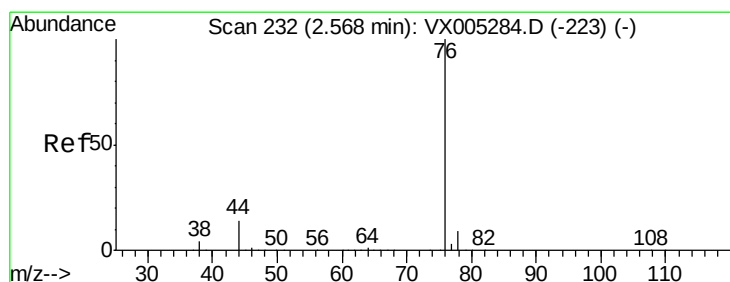
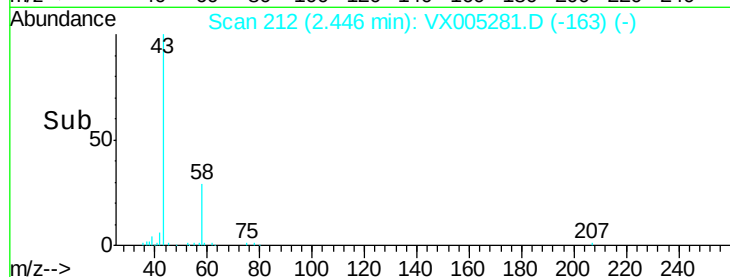
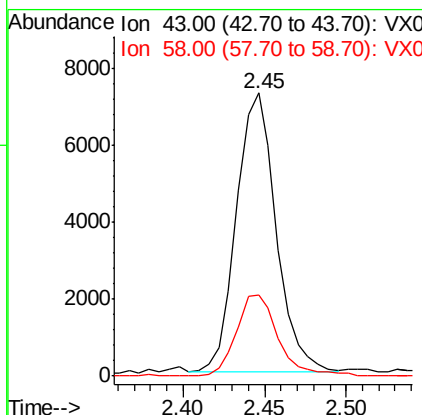
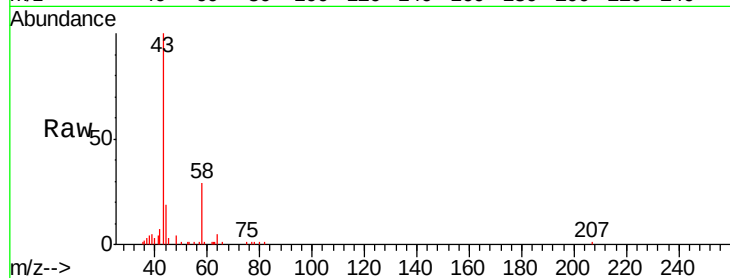
#16
Acetone
Concen: 6.39 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 12353
Ion Ratio Lower Upper
43 100
58 29.0 26.2 39.4

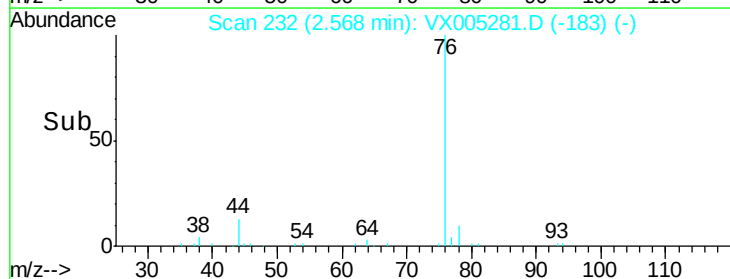
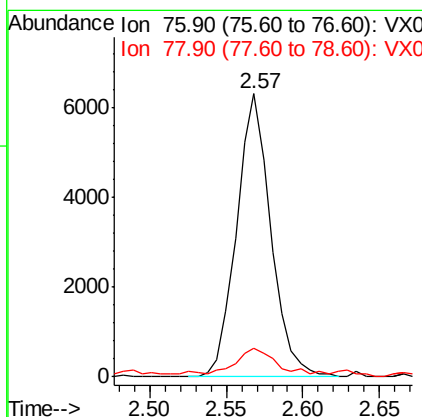
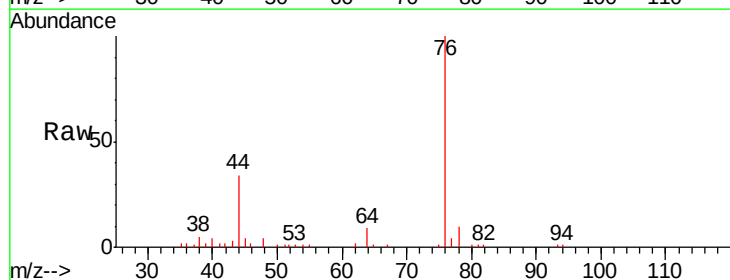
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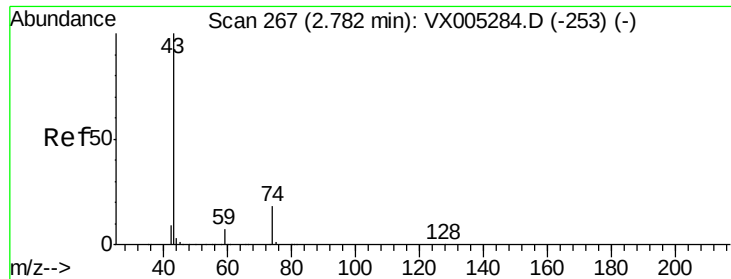
MMDadoda
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#17
Carbon Disulfide
Concen: 1.05 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 76 Resp: 9775
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6





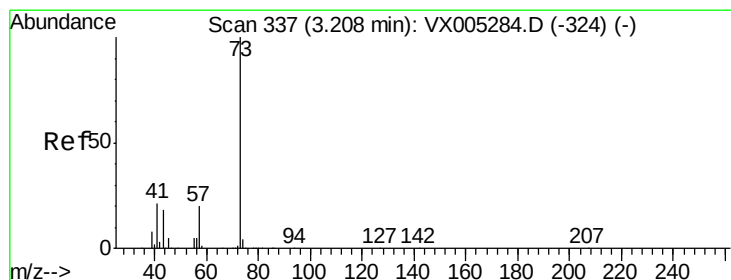
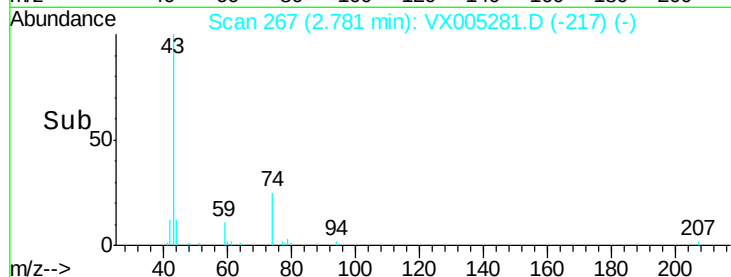
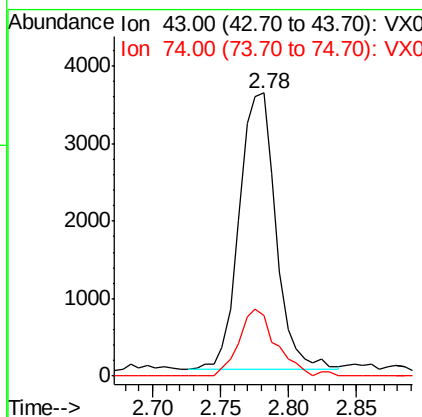
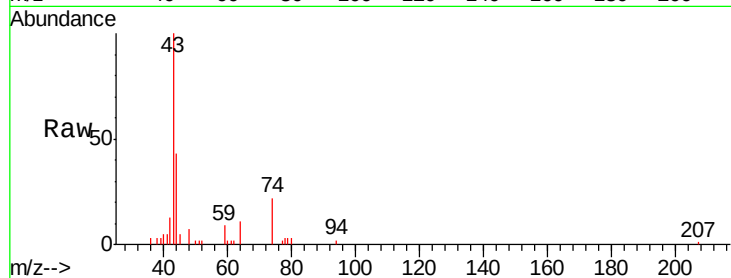
#18
Methyl Acetate
Concen: 1.23 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 6701
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2

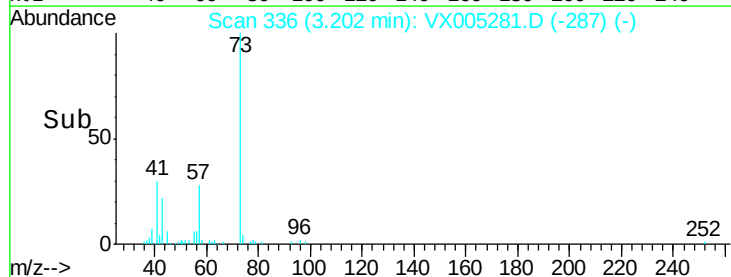
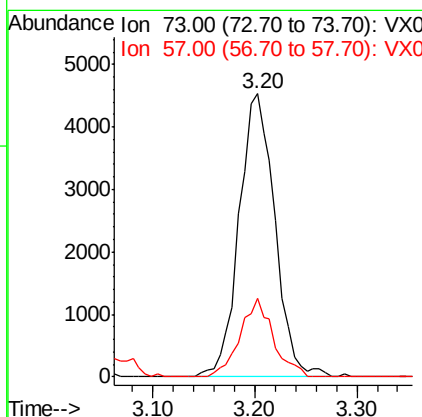
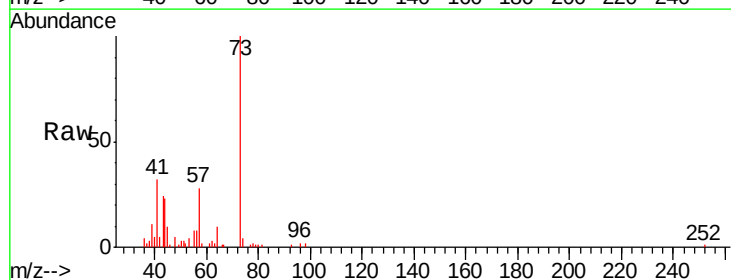
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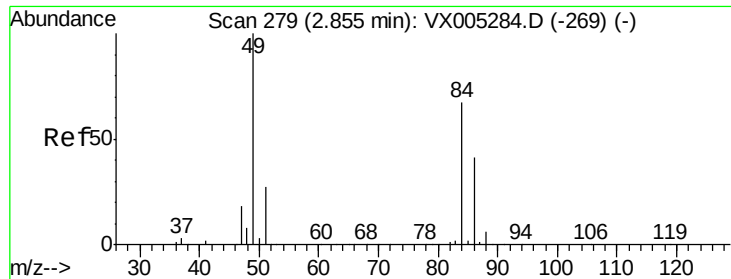
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.98 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 73 Resp: 11008
Ion Ratio Lower Upper
73 100
57 27.6 17.1 25.7#





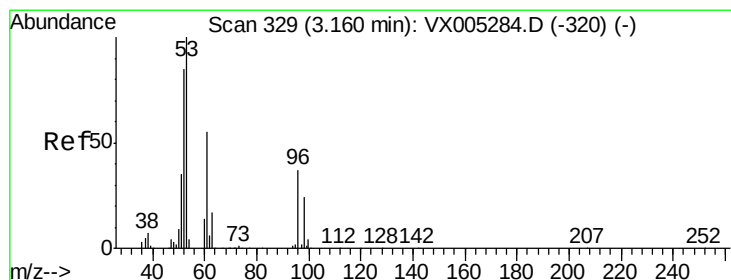
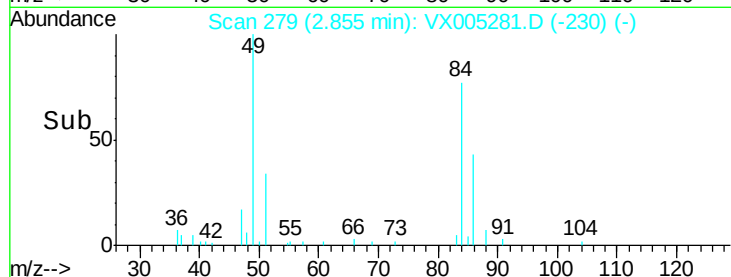
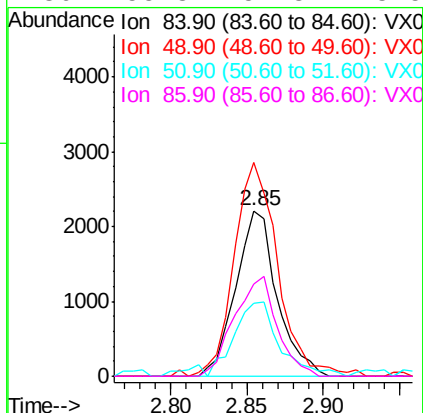
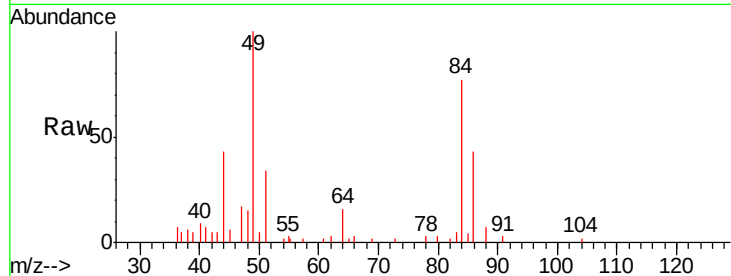
#20
Methylene Chloride
Concen: 1.05 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	101.2	151.8
51	41.2	29.5	44.3
86	55.8	52.3	78.5

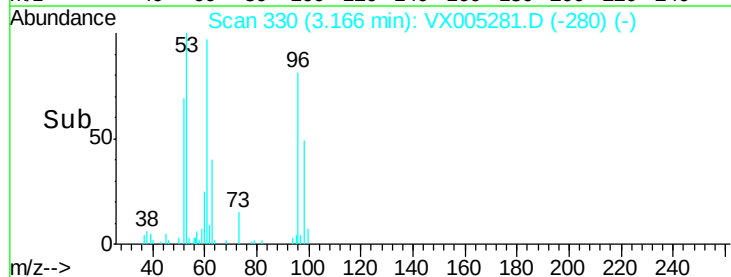
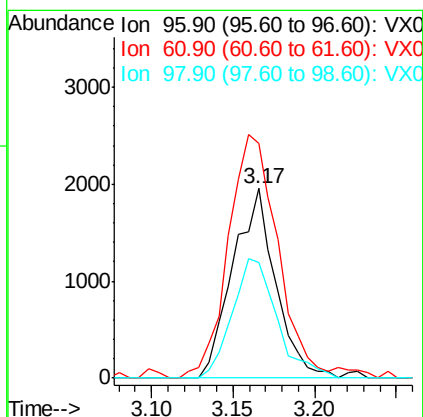
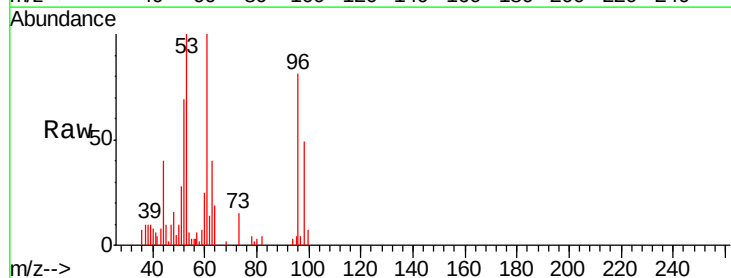
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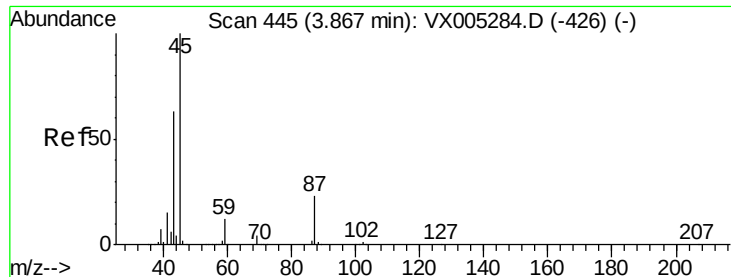
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 1.01 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.0	113.8	170.6
98	61.0	51.8	77.8





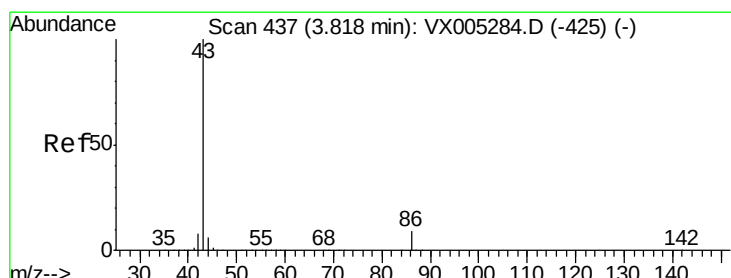
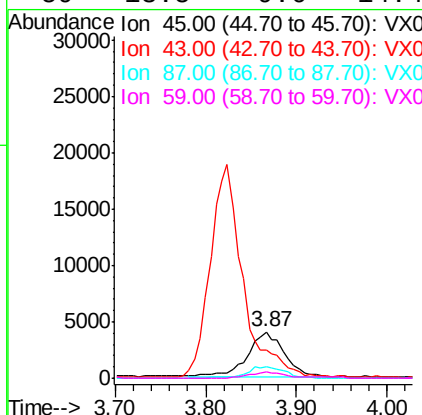
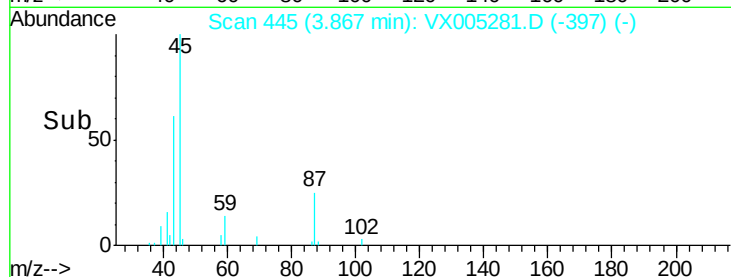
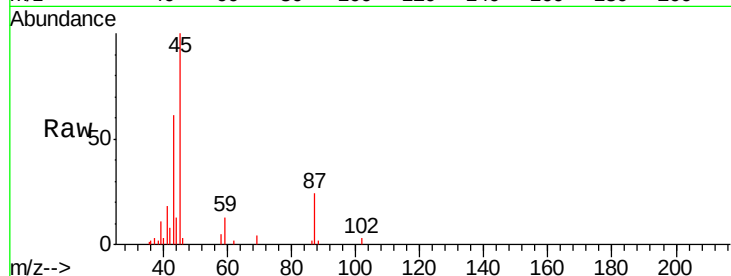
#22
Diisopropyl ether
Concen: 0.95 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	42.8	64.2
87	24.8	22.6	34.0
59	13.5	9.6	14.4

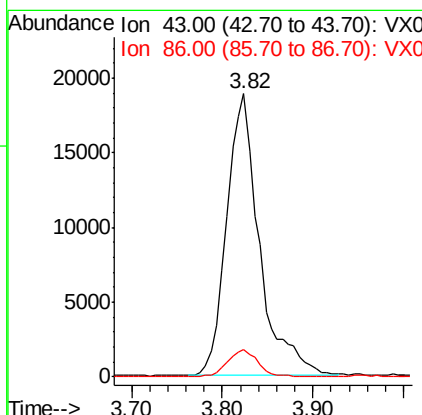
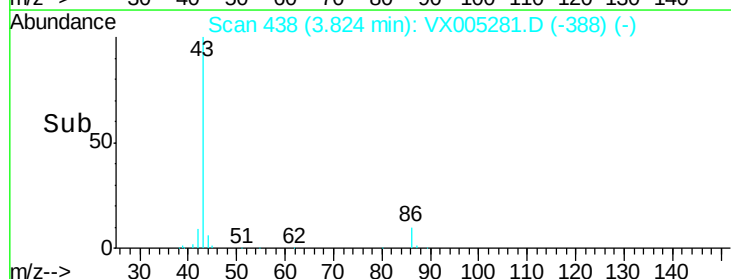
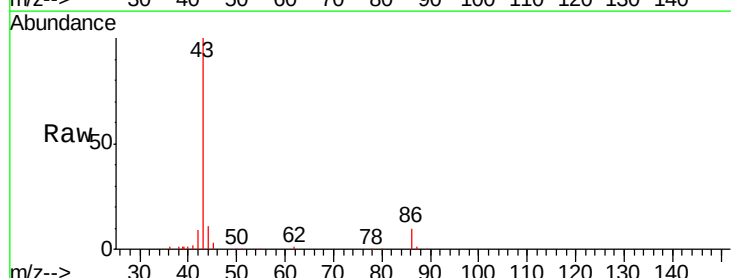
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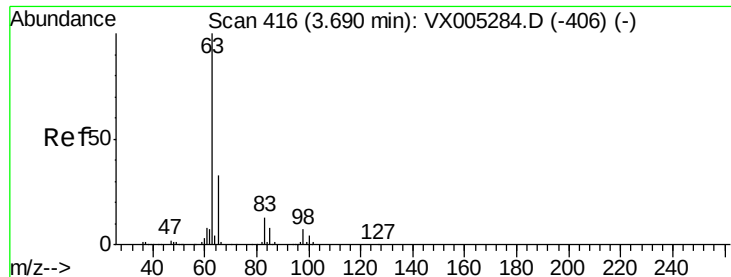
MMDadoda
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#23
Vinyl Acetate
Concen: 4.92 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.9	13.3





#24

1,1-Dichloroethane

Concen: 1.00 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

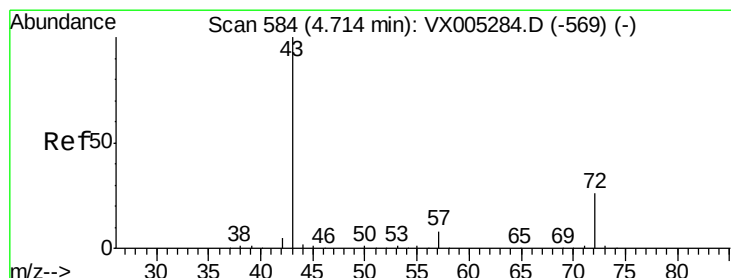
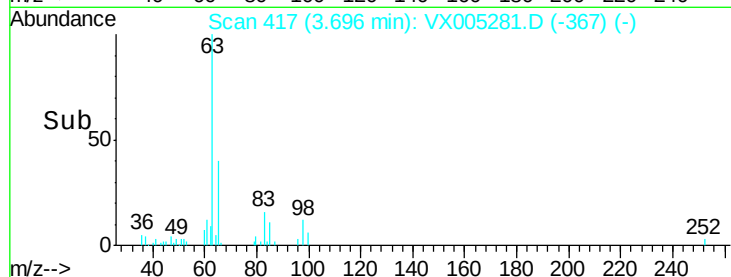
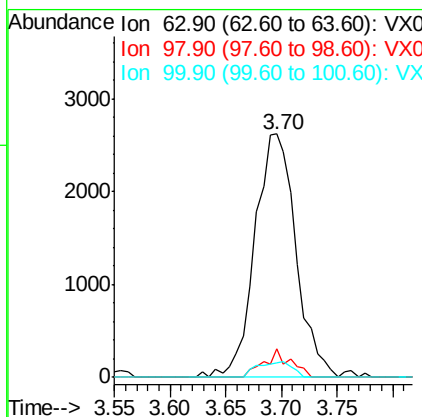
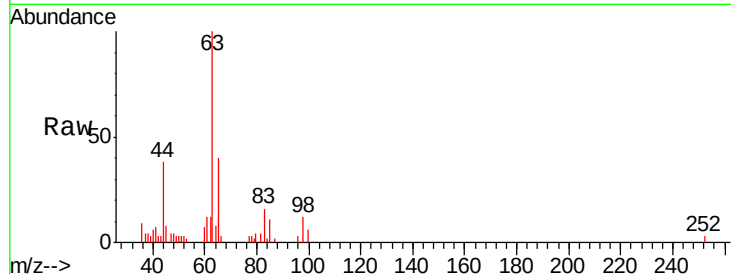
ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	6728
Ion	Ratio	Lower	Upper
63	100		
98	11.8	3.5	10.4#
100	6.1	2.4	7.1

Manual Integrations
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#25

2-Butanone

Concen: 5.05 ug/l

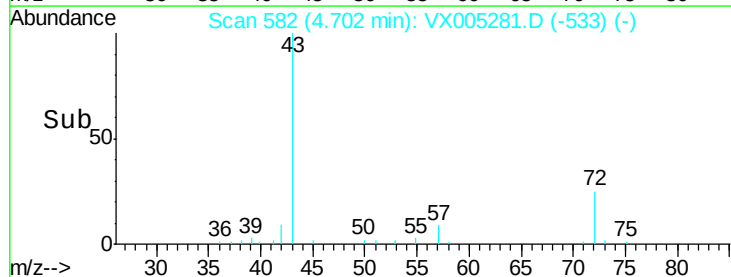
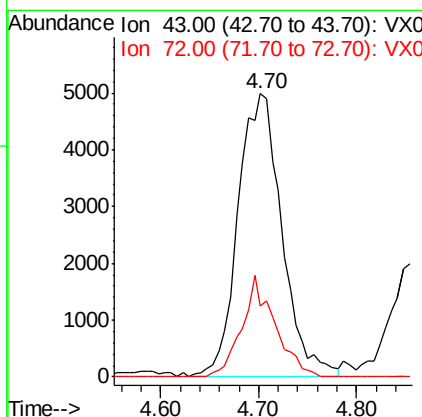
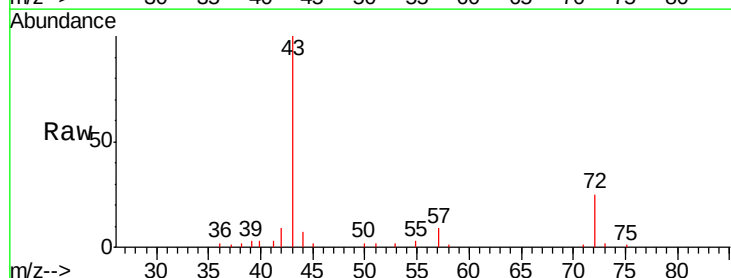
RT: 4.70 min Scan# 582

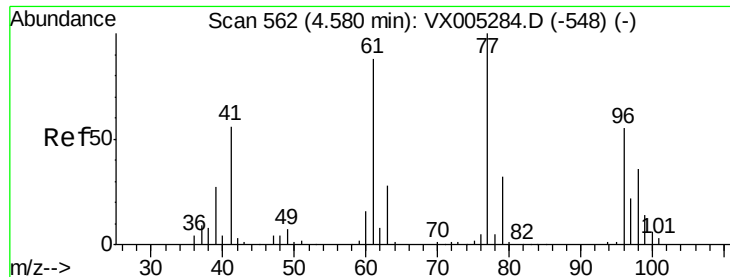
Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion:	43	Resp:	15544
Ion	Ratio	Lower	Upper
43	100		
72	25.0	22.0	33.0





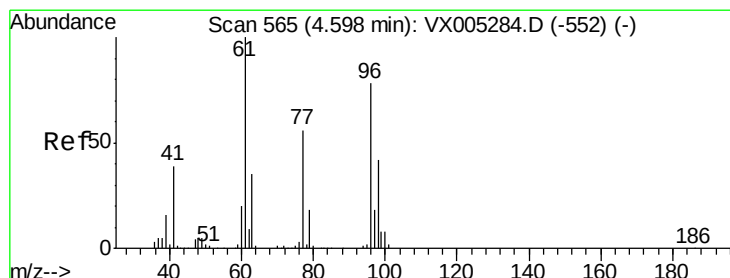
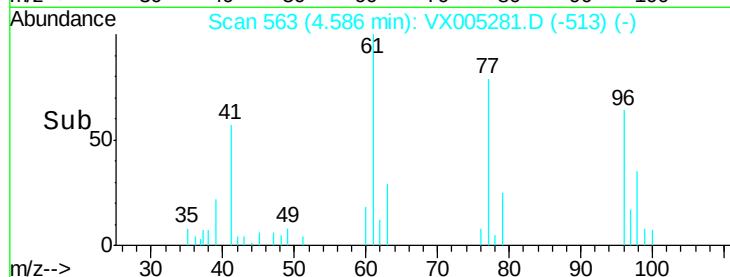
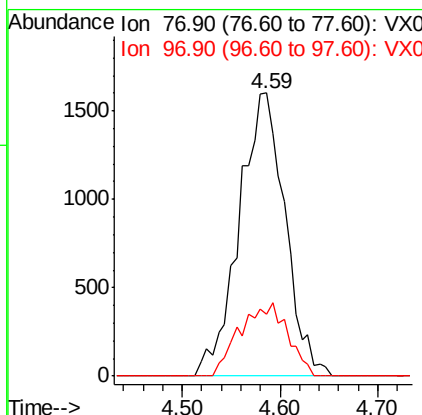
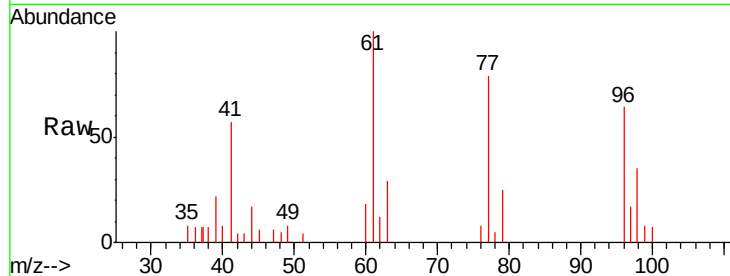
#26
 2,2-Dichloropropane
 Concen: 1.13 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion: 77 Resp: 5216
 Ion Ratio Lower Upper
 77 100
 97 26.7 11.7 35.0

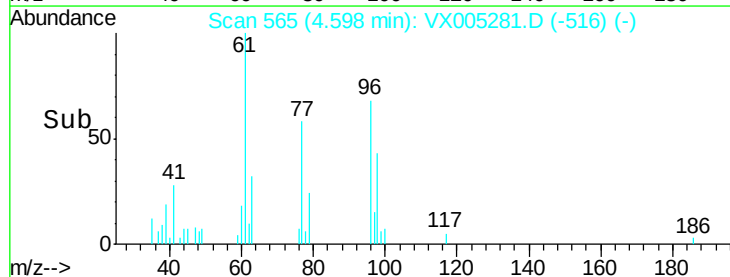
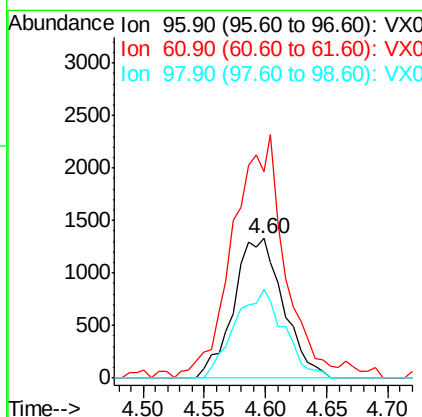
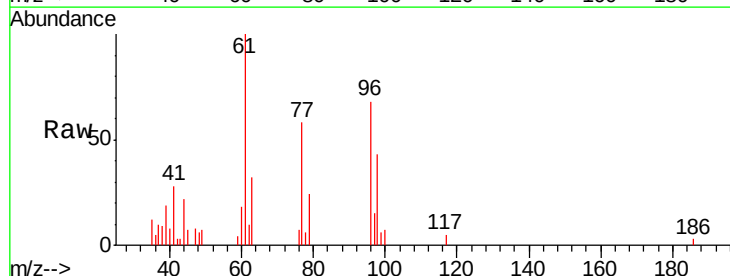
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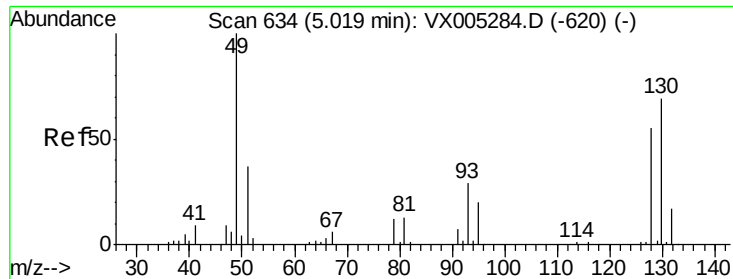
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 0.94 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion: 96 Resp: 3742
 Ion Ratio Lower Upper
 96 100
 61 180.8 0.0 282.6
 98 63.0 0.0 130.2





#28

Bromochloromethane

Concen: 0.99 ug/l

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

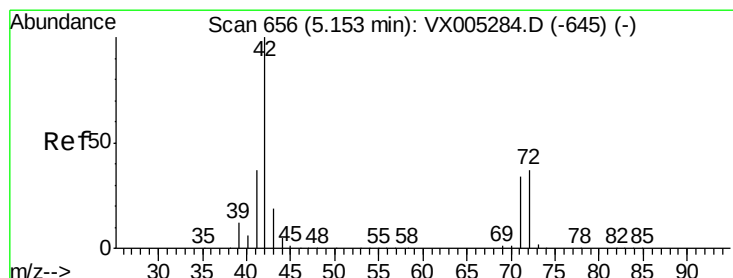
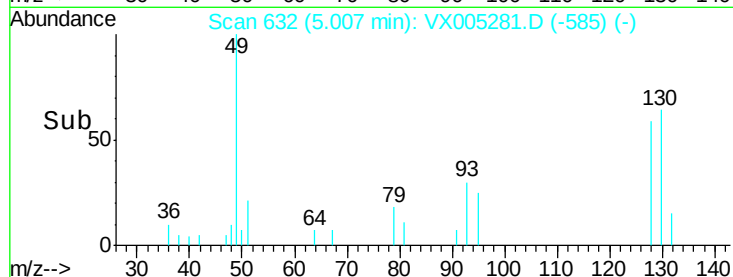
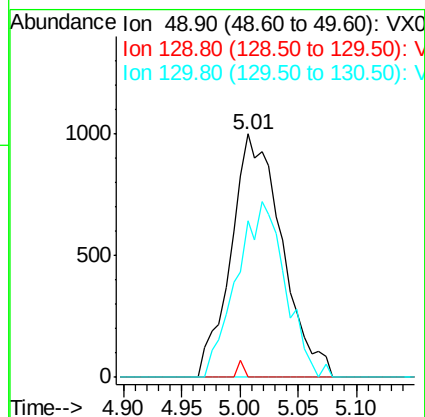
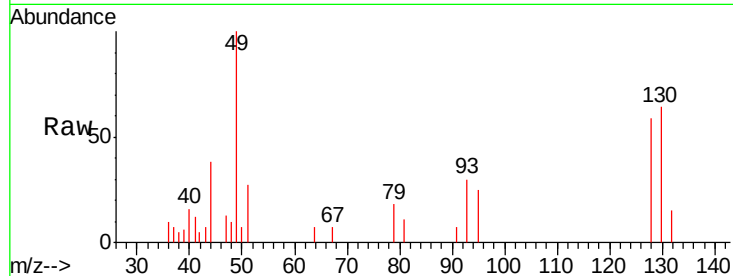
VSTDIC001

Tgt Ion: 49 Resp: 3042

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.2
130	68.9	67.5	101.3

Manual Integrations
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#29

Tetrahydrofuran

Concen: 4.91 ug/l

RT: 5.15 min Scan# 655

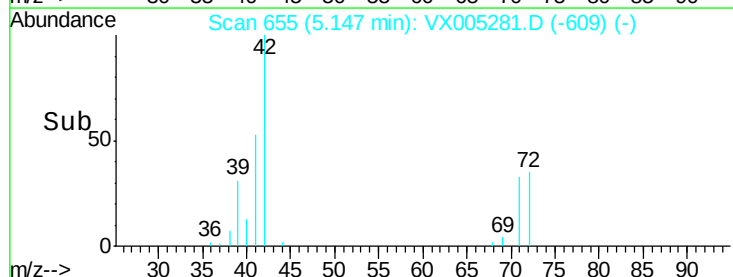
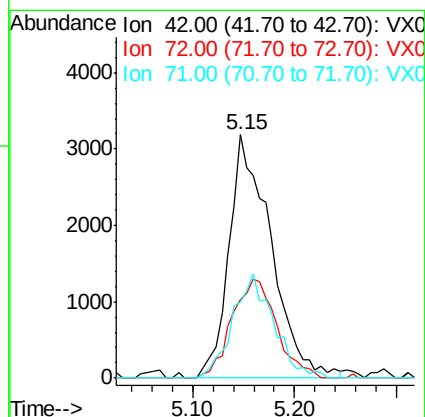
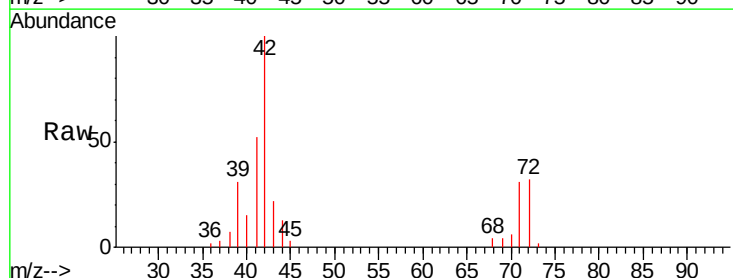
Delta R.T. -0.02 min

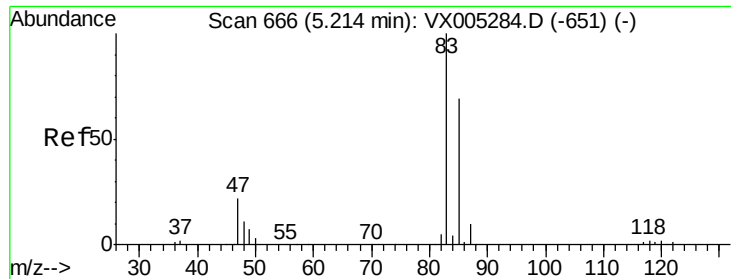
Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion: 42 Resp: 9107

Ion	Ratio	Lower	Upper
42	100		
72	43.2	37.4	56.0
71	41.7	34.5	51.7





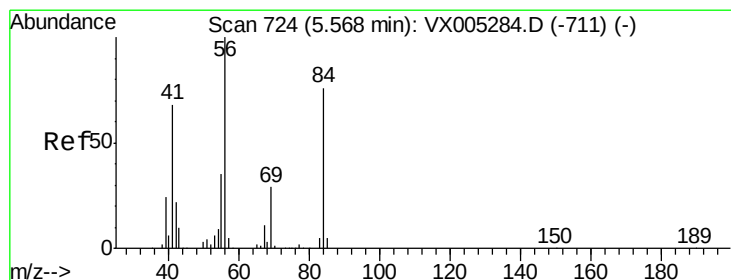
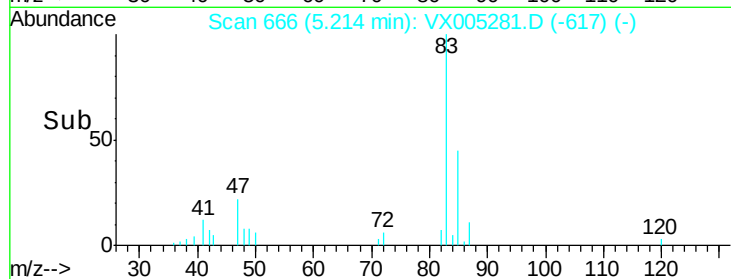
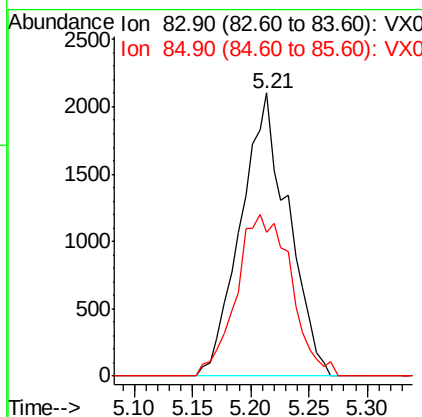
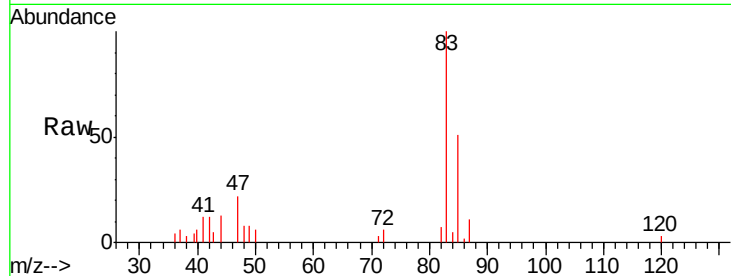
#30
Chloroform
Concen: 0.91 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 5939
Ion Ratio Lower Upper
83 100
85 50.8 52.6 79.0#

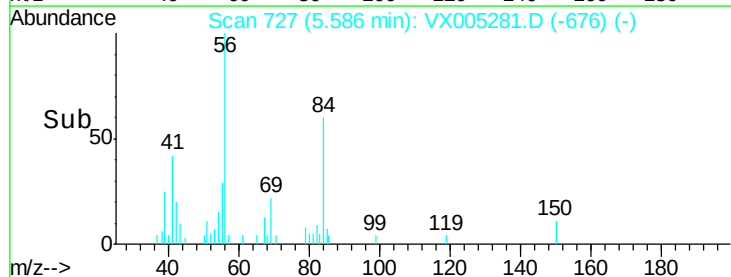
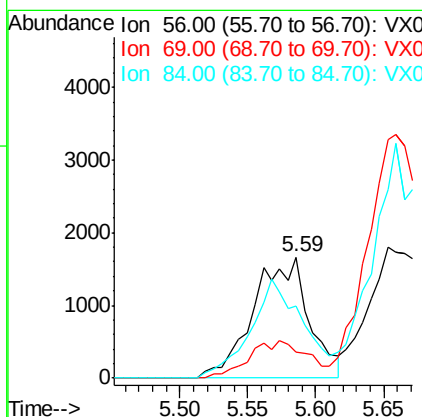
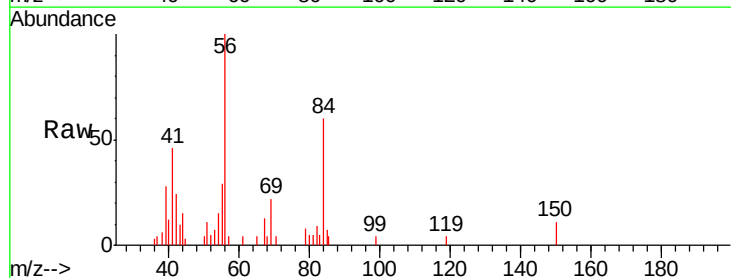
Manual Integrations
APPROVED

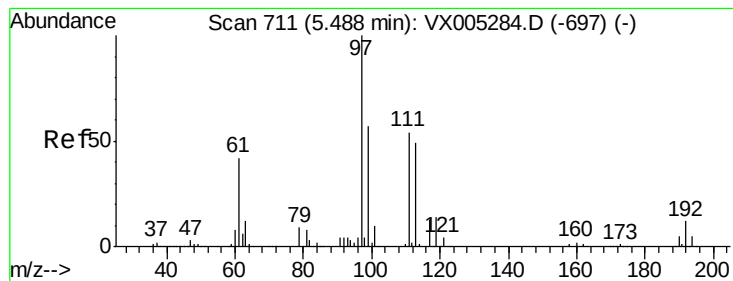
MMDadoda
10/17/2018 9:04:16 AM



#31
Cyclohexane
Concen: 0.83 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 56 Resp: 4743
Ion Ratio Lower Upper
56 100
69 21.9 25.4 38.2#
84 60.1 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 0.99 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

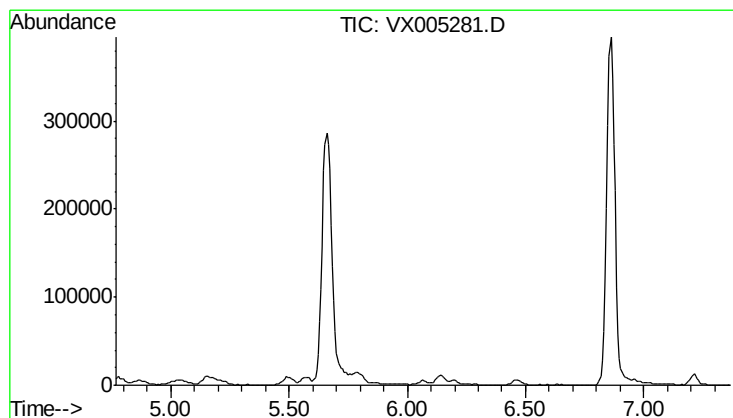
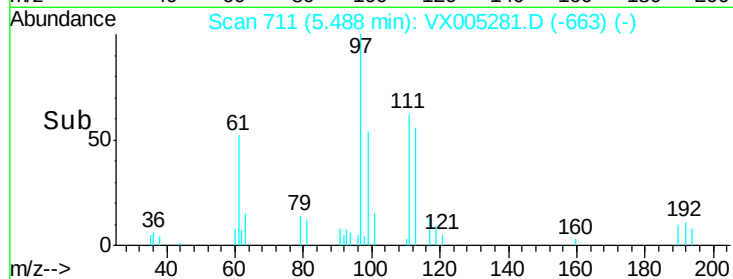
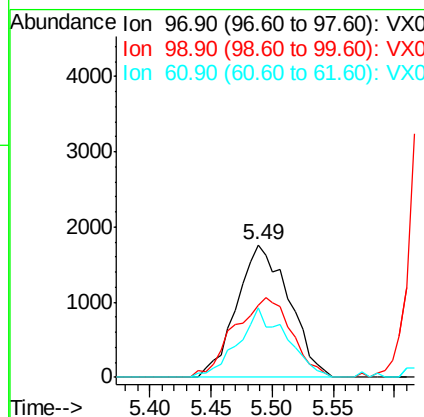
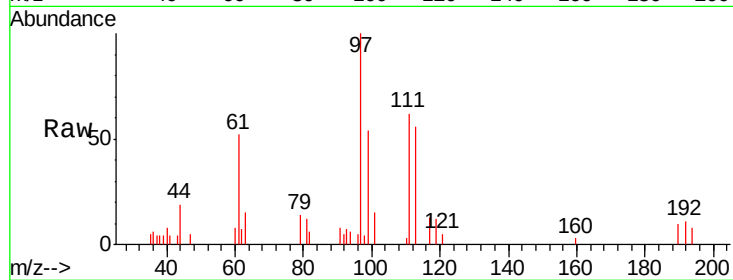
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	48.1	34.9	52.3

Manual Integrations
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#33

1,2-Dichloroethane-d4

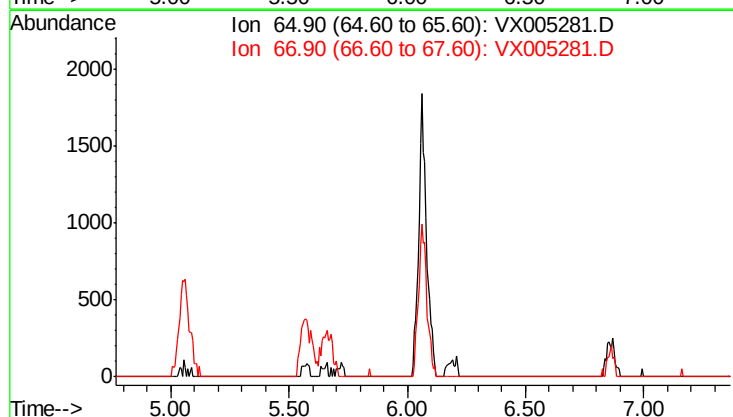
Concen: 0.00 ug/l

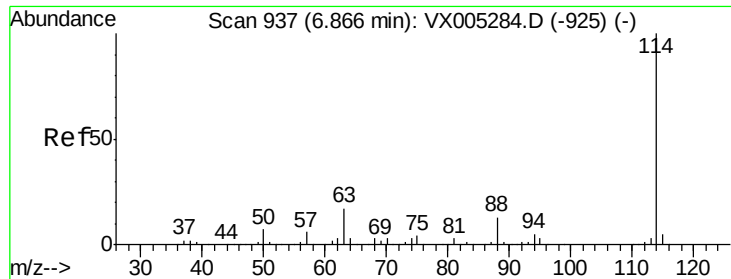
Expected RT: 6.07 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion	Sig	Exp Ratio
65	100	
67	53.4	





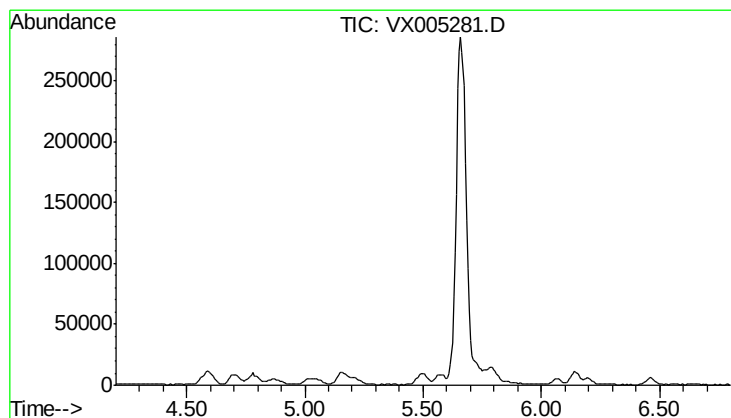
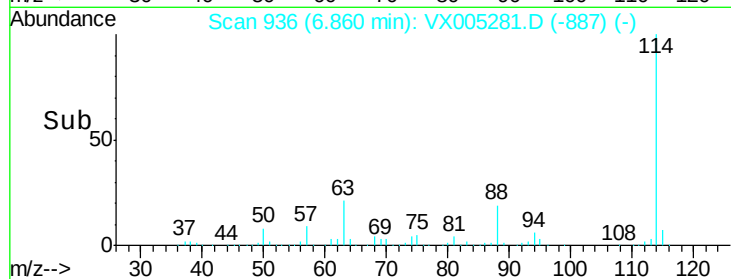
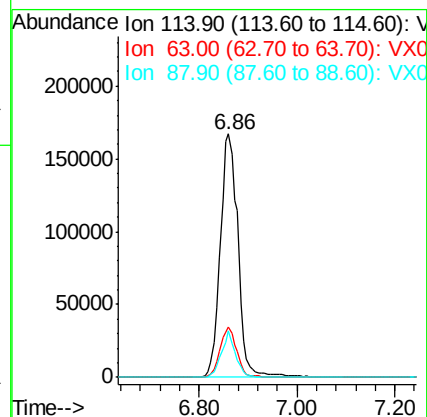
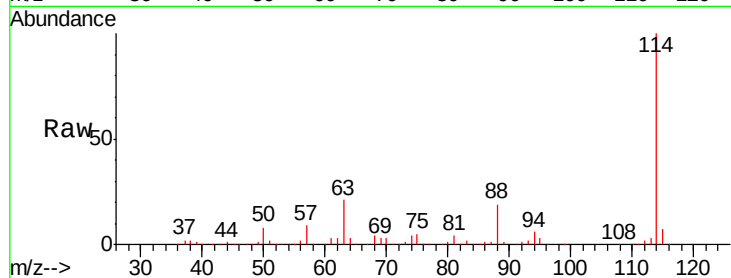
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	20.8	0.0	39.0
88	19.2	0.0	30.4

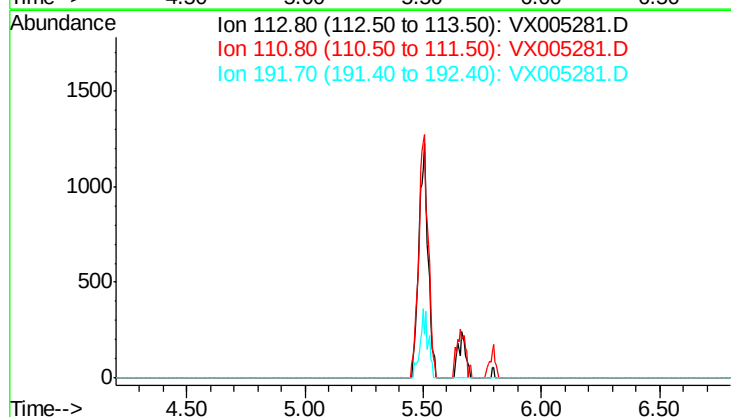
Manual Integrations
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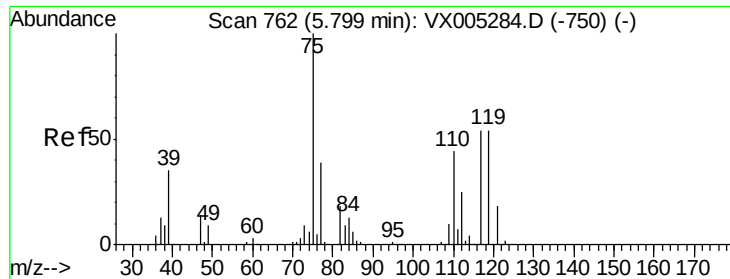
MMDadoda
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#35
Dibromofluoromethane
Concen: 0.00 ug/l
Expected RT: 5.50 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Sig	Exp Ratio
113	100	
111	103.0	
192	24.3	





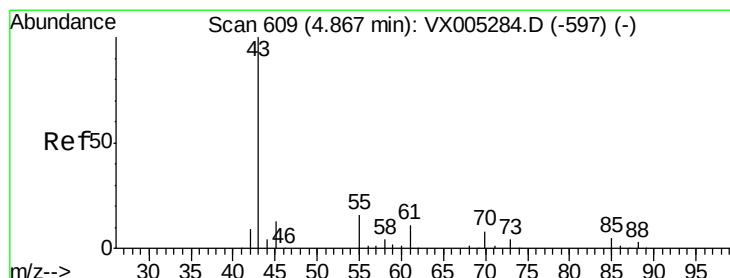
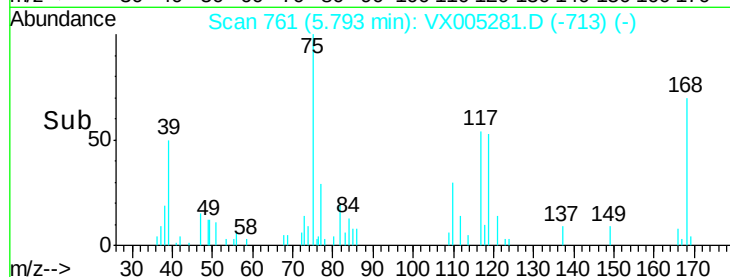
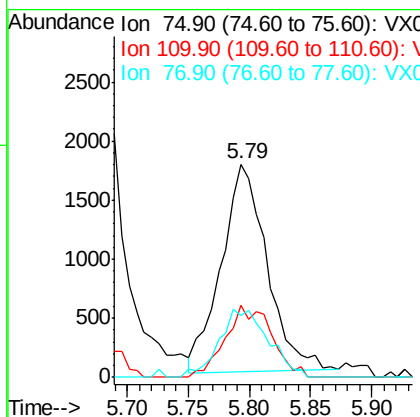
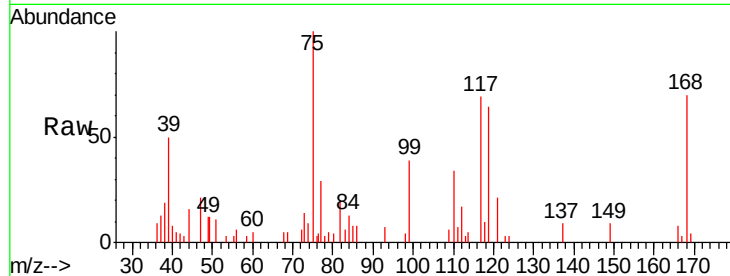
#36
 1,1-Dichloropropene
 Concen: 0.89 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.0	54.0
77	35.6	24.6	36.8

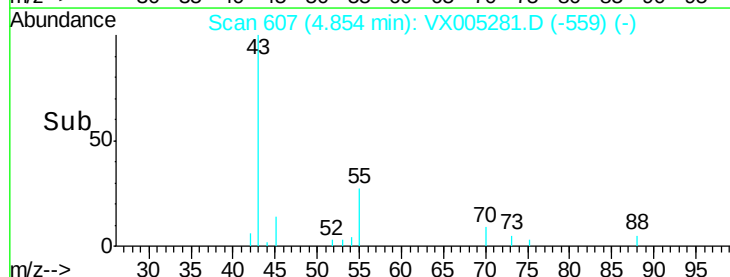
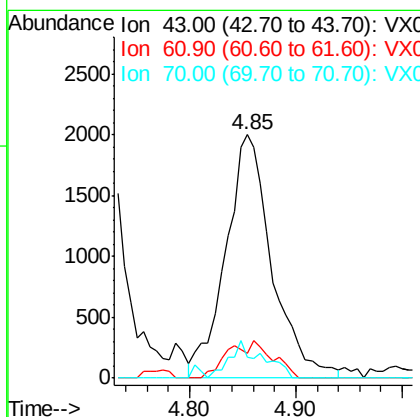
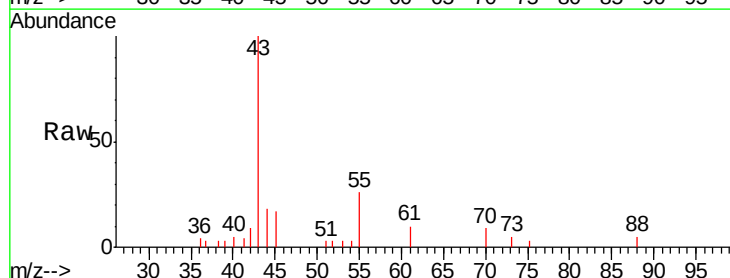
Manual Integrations
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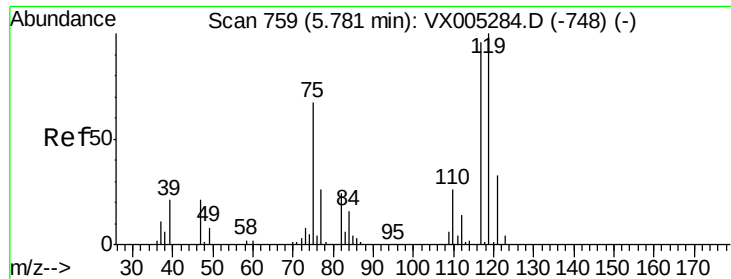
MMDadoda
 10/17/2018 9:04:16 AM



#37
 Ethyl Acetate
 Concen: 1.05 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.4	11.5	17.3#
70	11.0	9.0	13.6





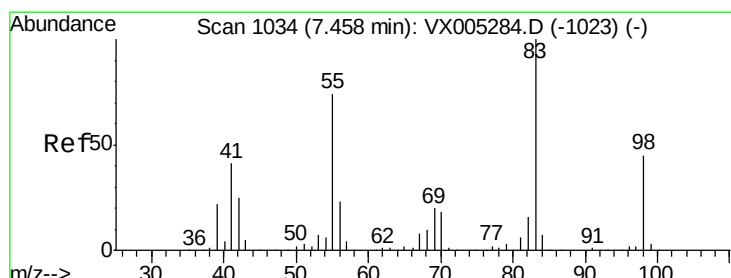
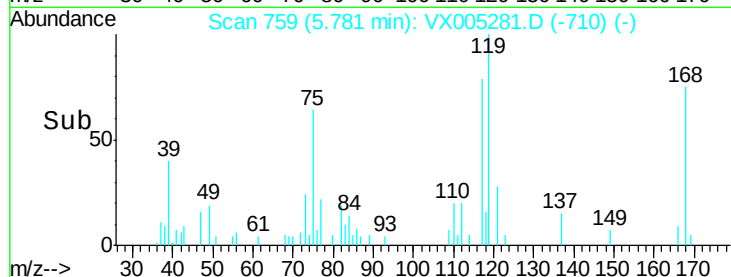
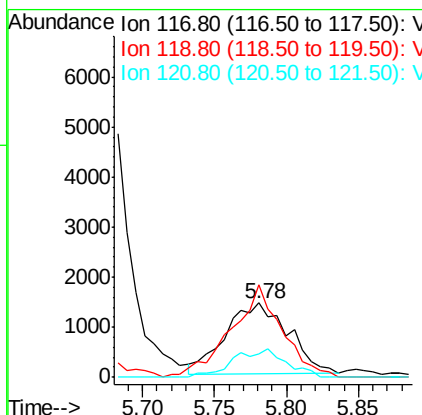
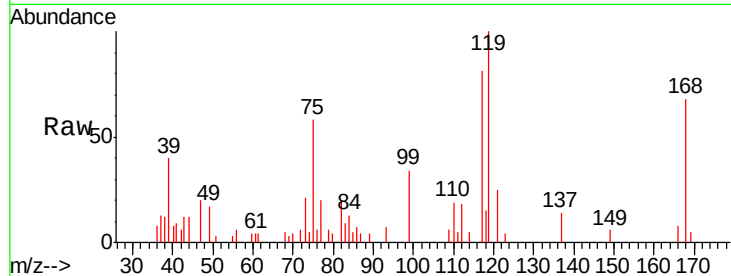
#38
Carbon Tetrachloride
Concen: 0.86 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 4285
Ion Ratio Lower Upper
117 100
119 132.2 78.8 118.2#
121 33.2 24.9 37.3

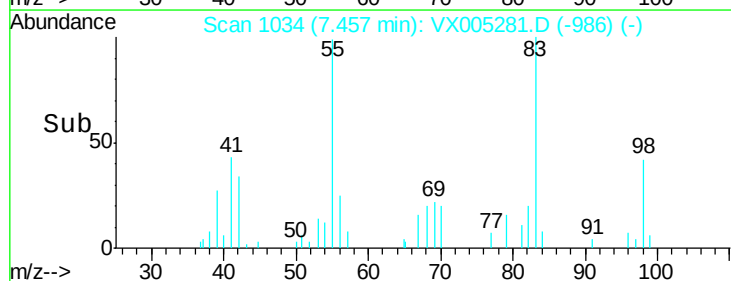
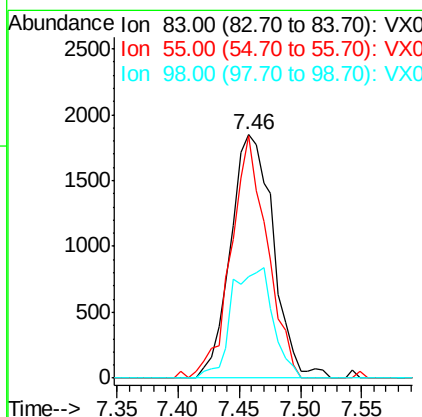
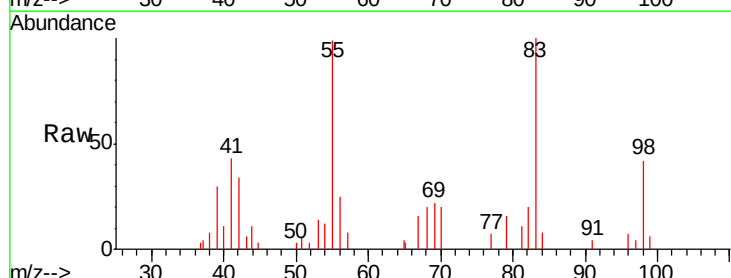
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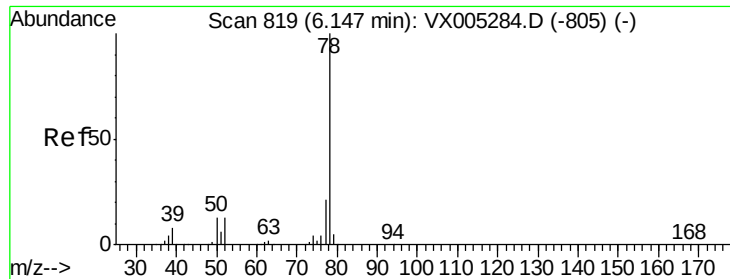
MMDadoda
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#39
Methylcyclohexane
Concen: 0.84 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 83 Resp: 4470
Ion Ratio Lower Upper
83 100
55 99.4 61.0 91.4#
98 41.8 39.6 59.4





#40

Benzene

Concen: 0.87 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 13174

Ion Ratio Lower Upper

78 100

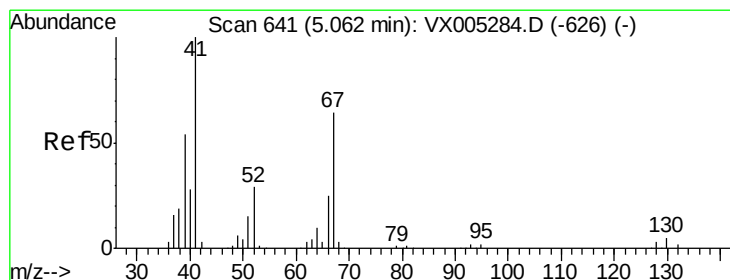
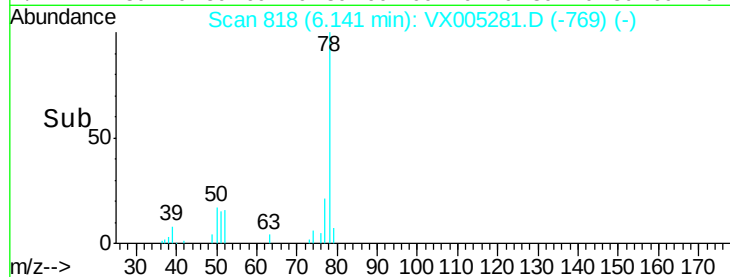
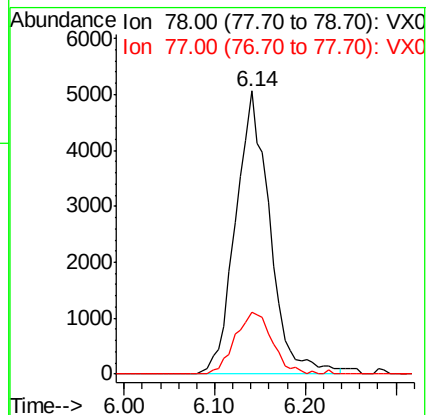
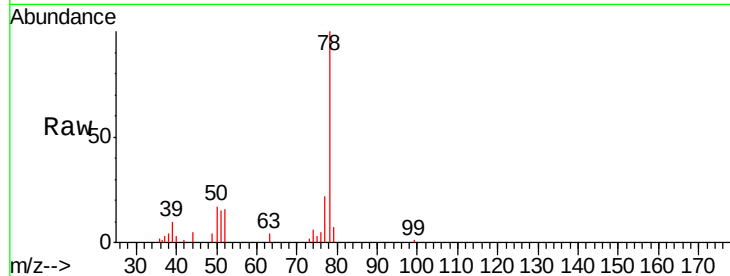
77 22.1 19.0 28.4

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.95 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion: 41 Resp: 3042

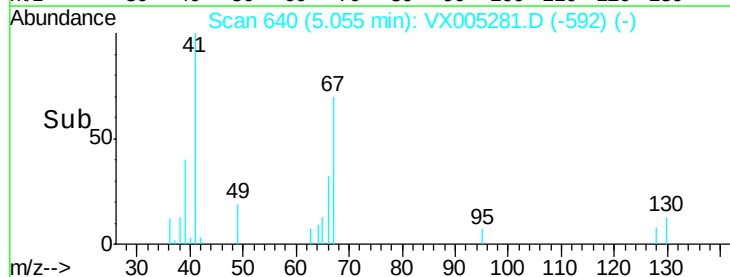
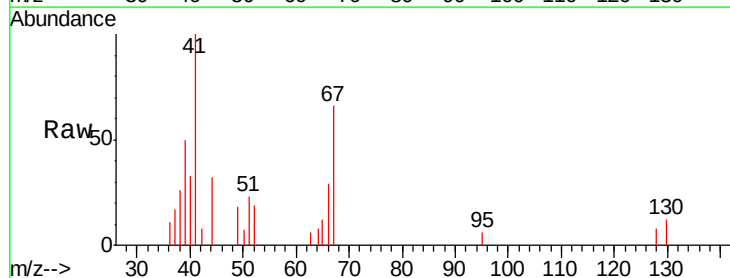
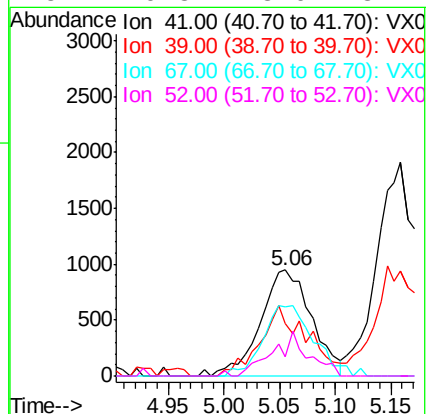
Ion Ratio Lower Upper

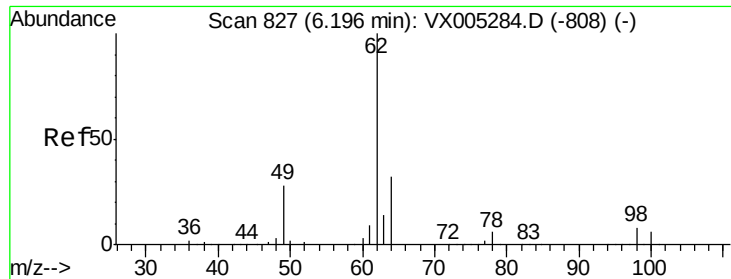
41 100

39 60.9 42.4 63.6

67 66.6 59.2 88.8

52 29.8 23.0 34.4





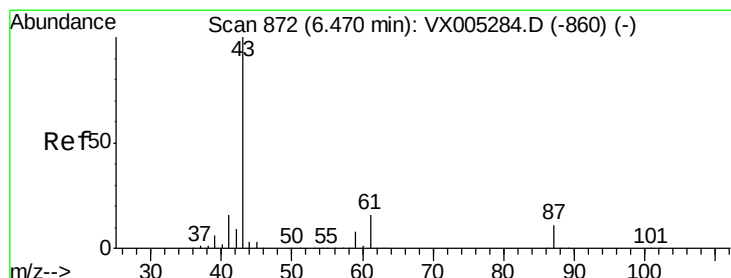
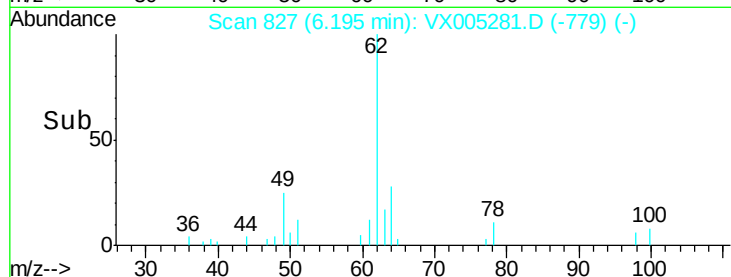
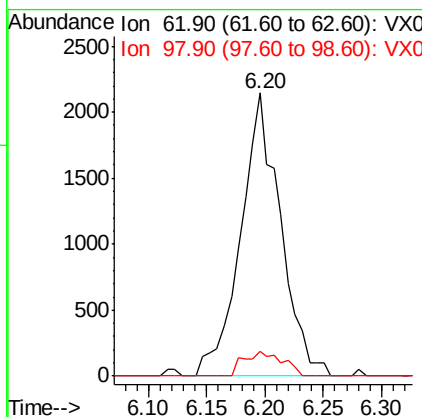
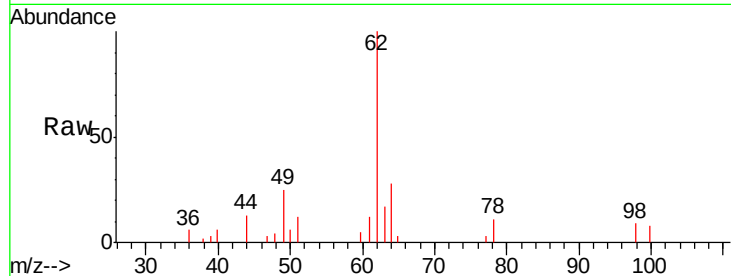
#42
1,2-Dichloroethane
Concen: 1.02 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	20.6

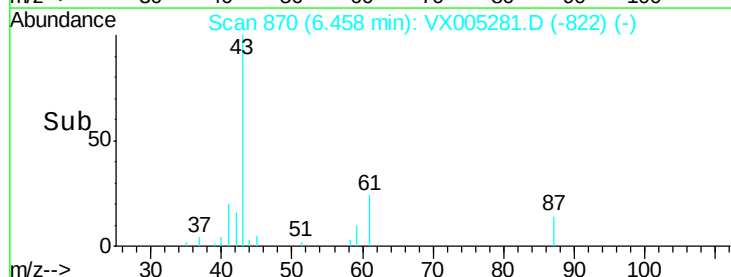
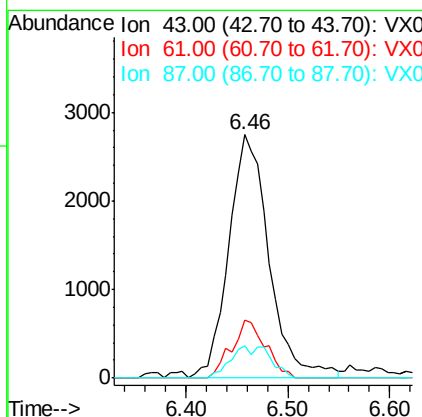
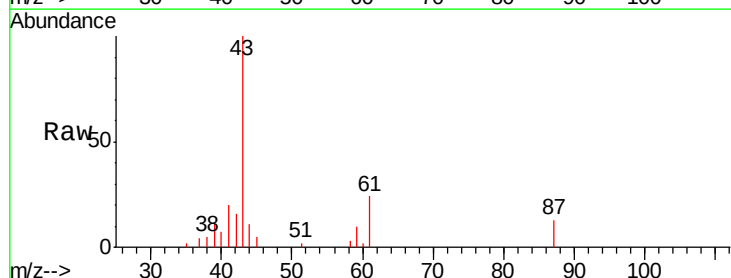
Manual Integrations
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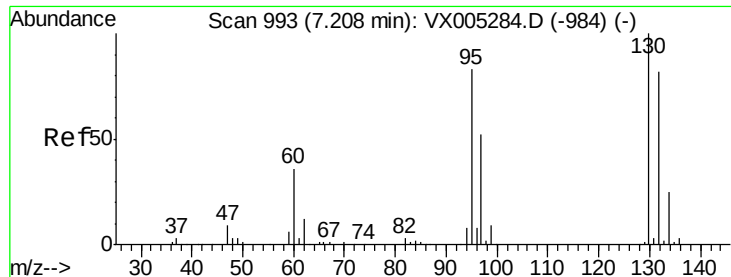
MMDadoda
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#43
Isopropyl Acetate
Concen: 0.98 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.0	25.4
87	7.2	11.4	17.2





#44

Trichloroethene

Concen: 1.21 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 4747

Ion Ratio Lower Upper

130 100

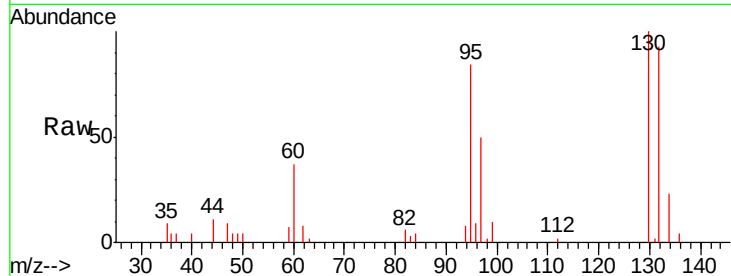
95 83.6 0.0 181.6

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2500

2000

1500

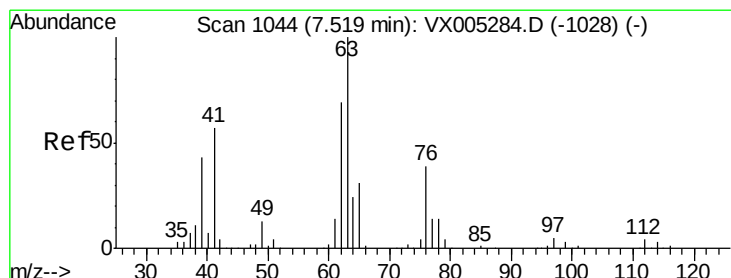
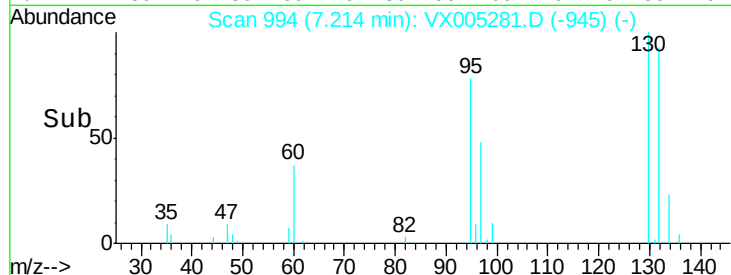
1000

500

0

Time-->

7.15 7.20 7.25 7.30



#45

1,2-Dichloropropane

Concen: 0.93 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005281.D

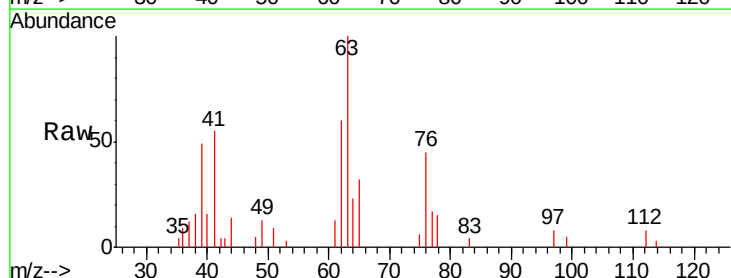
Acq: 12 Oct 2018 08:45

Tgt Ion: 63 Resp: 3377

Ion Ratio Lower Upper

63 100

65 31.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

1500

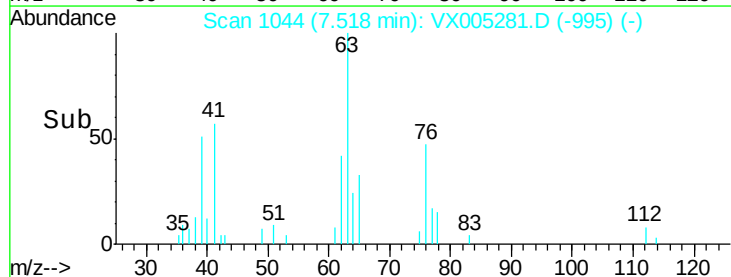
1000

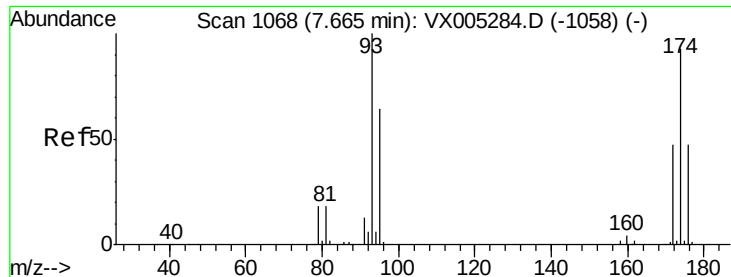
500

0

Time-->

7.45 7.50 7.55 7.60





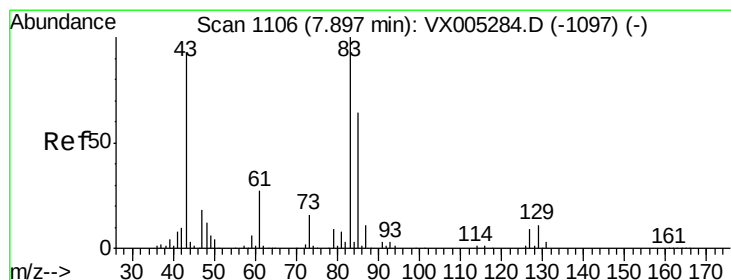
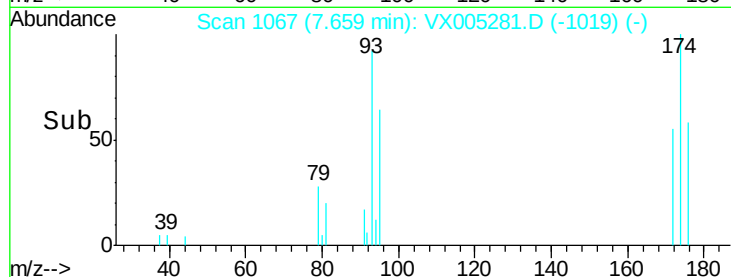
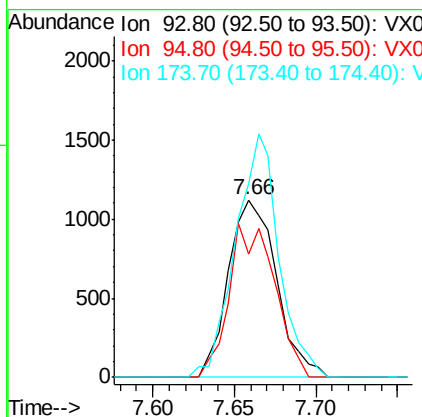
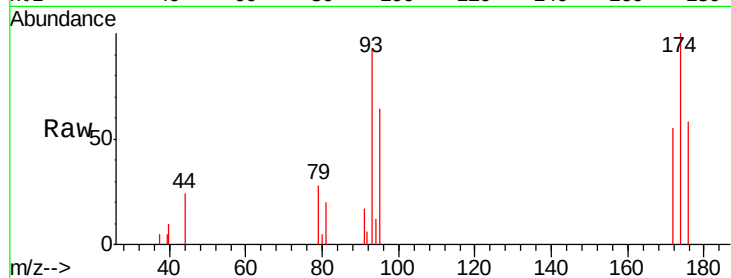
#46
Dibromomethane
Concen: 1.00 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.5	98.3
174	123.6	94.2	141.4

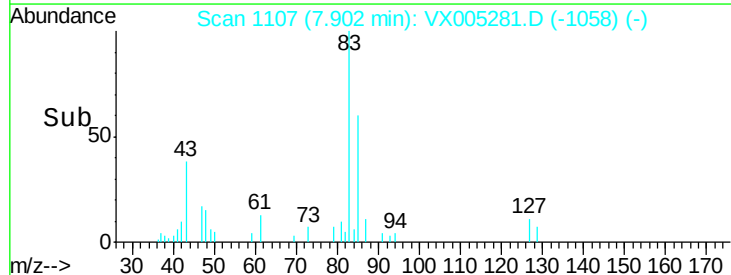
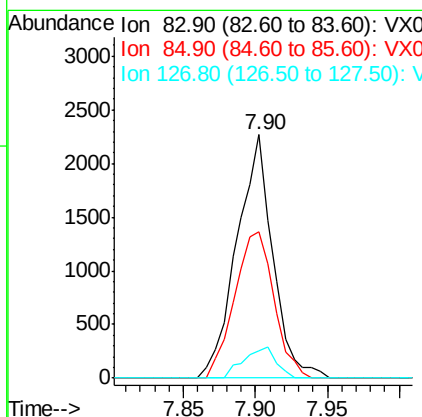
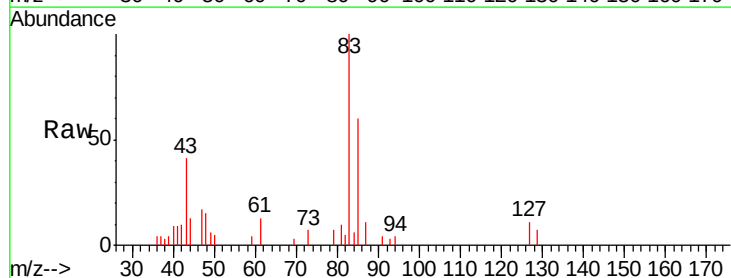
Manual Integrations
APPROVED

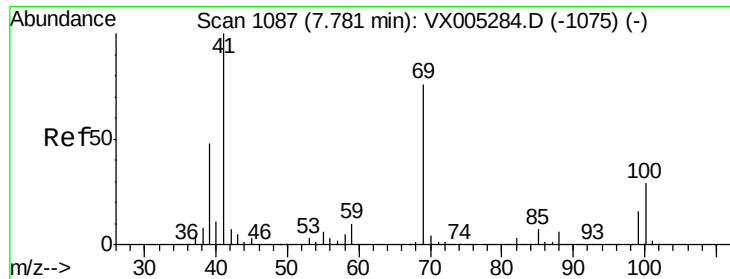
MMDadoda
10/17/2018 9:04:16 AM



#47
Bromodichloromethane
Concen: 0.90 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.9	76.3
127	11.5	7.3	10.9#





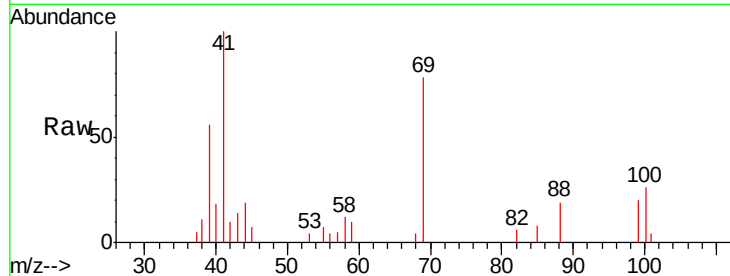
#48
Methyl methacrylate
Concen: 0.92 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

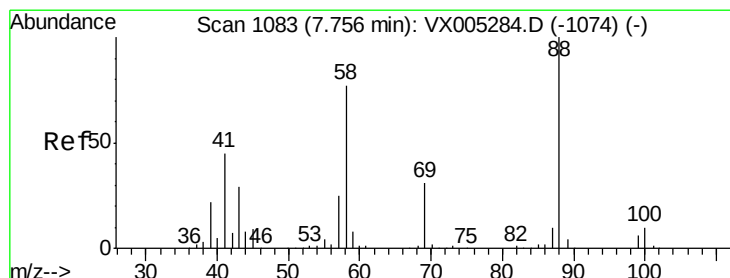
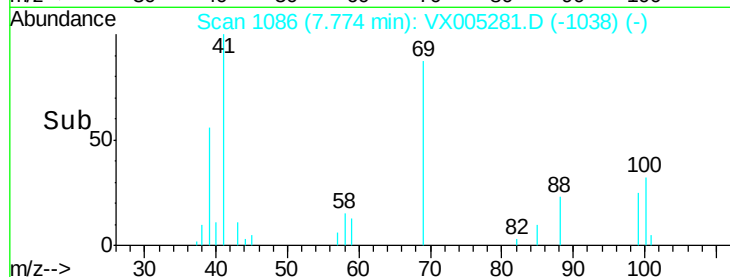
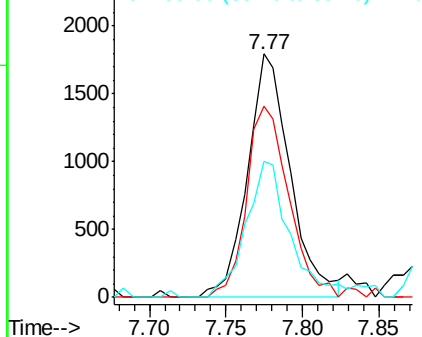
Tgt Ion: 41 Resp: 3487
Ion Ratio Lower Upper
41 100
69 77.1 70.2 105.4
39 57.4 42.7 64.1

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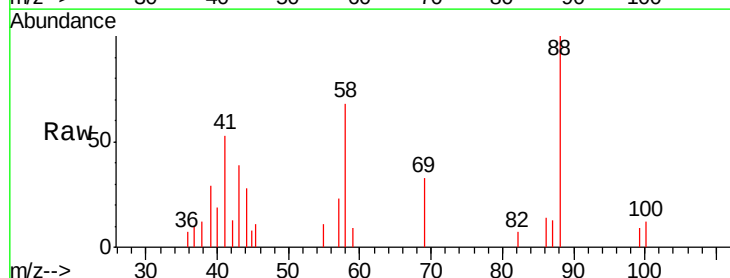


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

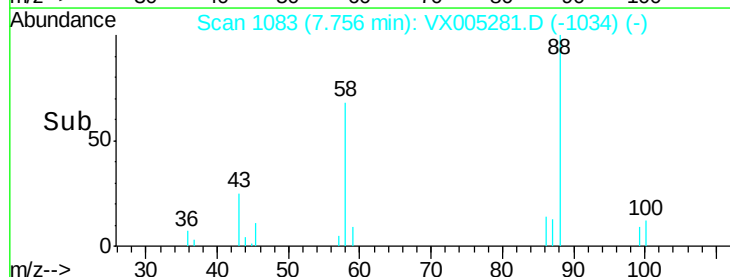
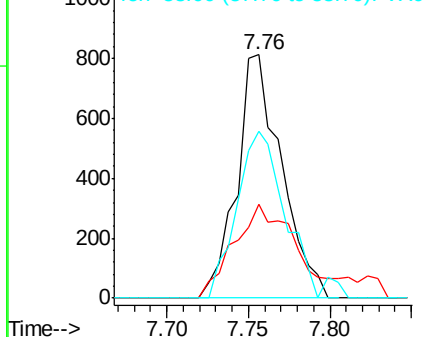


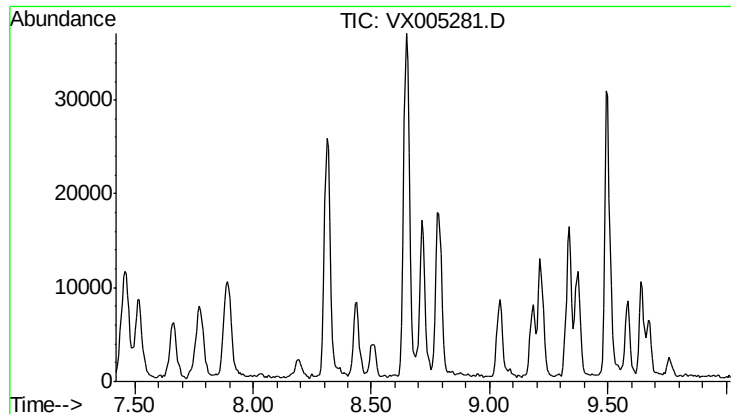
#49
1,4-Dioxane
Concen: 17.15 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 88 Resp: 1547
Ion Ratio Lower Upper
88 100
43 59.8 24.7 37.1#
58 72.9 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 8.72 min

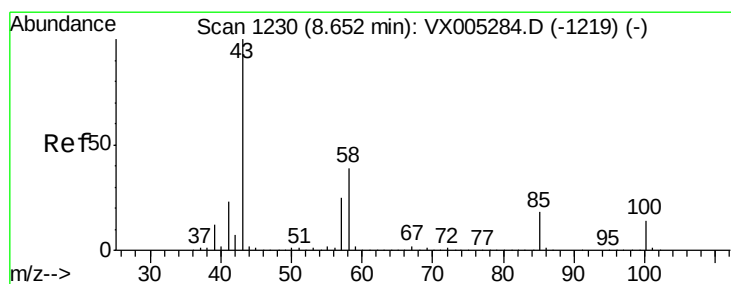
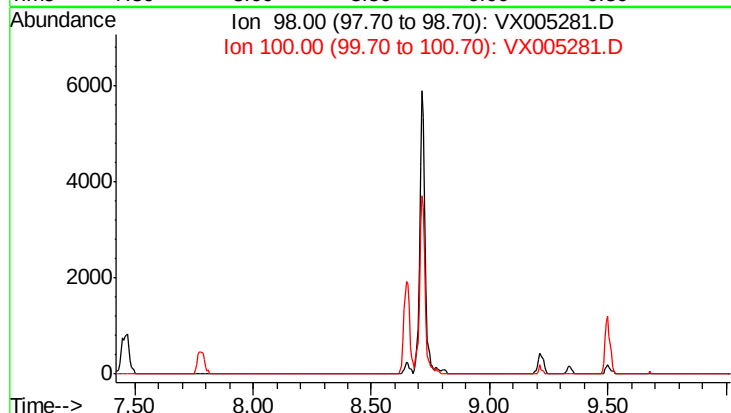
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.1

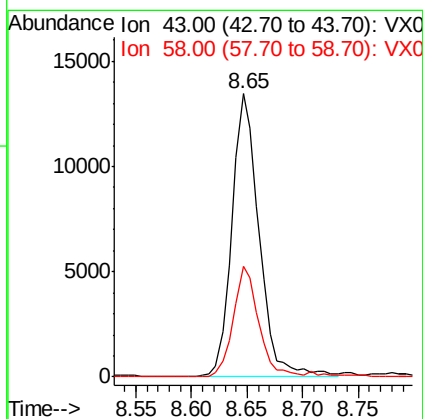
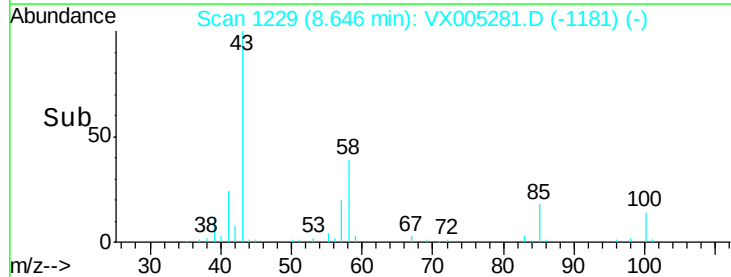
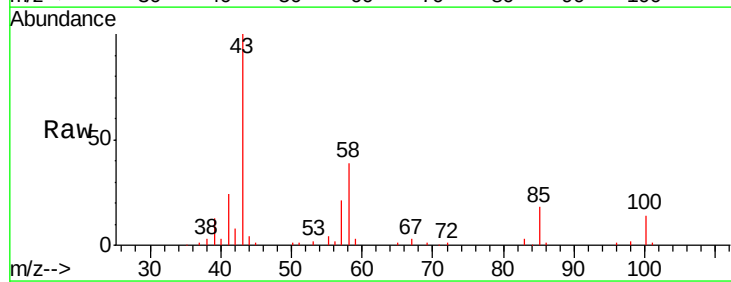
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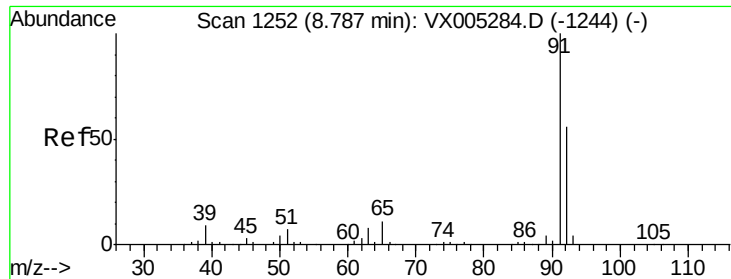
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 4.19 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 43 Resp: 22790
Ion Ratio Lower Upper
43 100
58 36.3 33.1 49.7





#52

Toluene

Concen: 0.75 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 6682

Ion Ratio Lower Upper

92 100

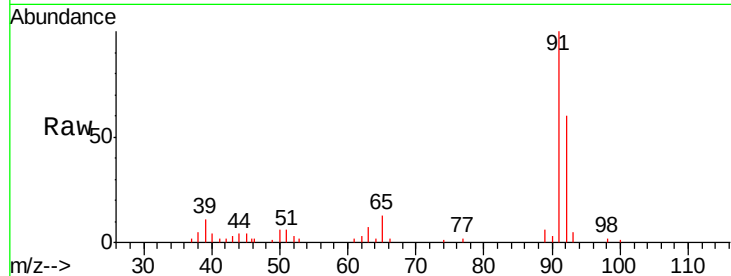
91 182.8 136.4 204.6

Manual Integrations

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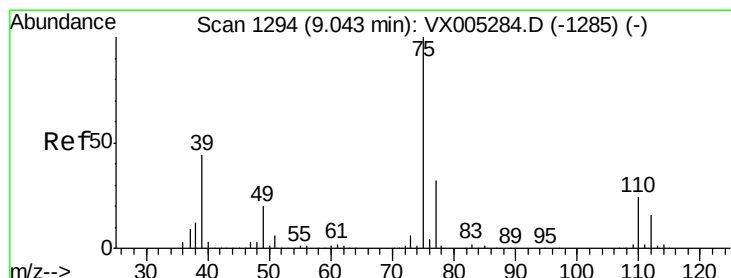
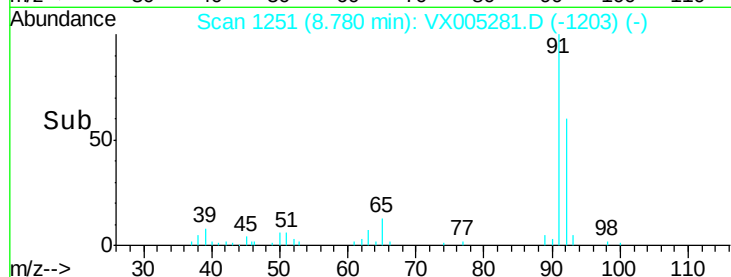
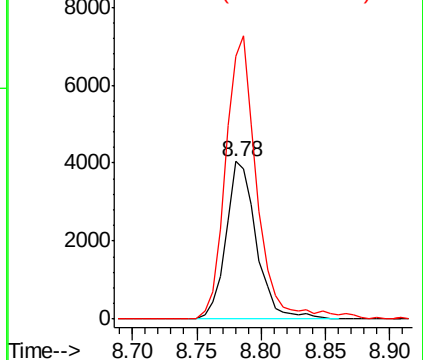
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.75 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005281.D

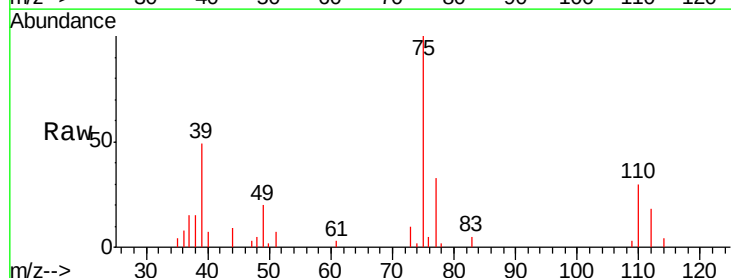
Acq: 12 Oct 2018 08:45

Tgt Ion: 75 Resp: 3808

Ion Ratio Lower Upper

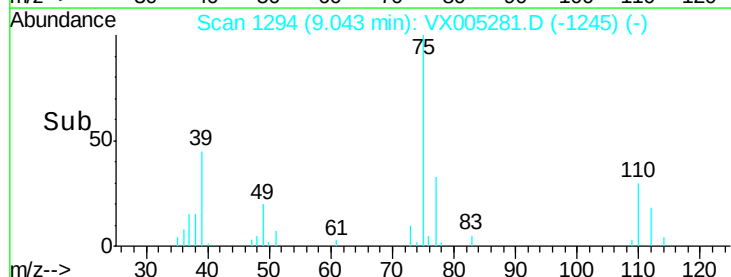
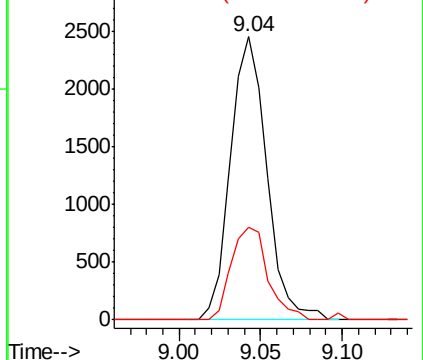
75 100

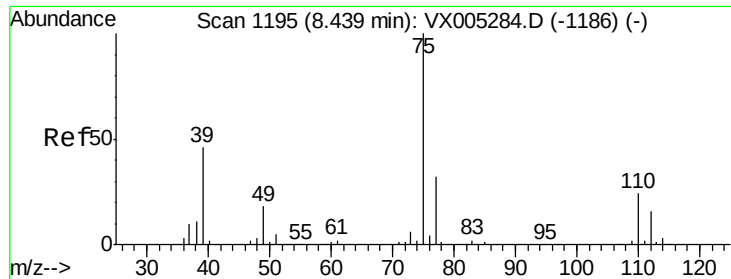
77 32.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

cis-1,3-Dichloropropene

Concen: 0.83 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

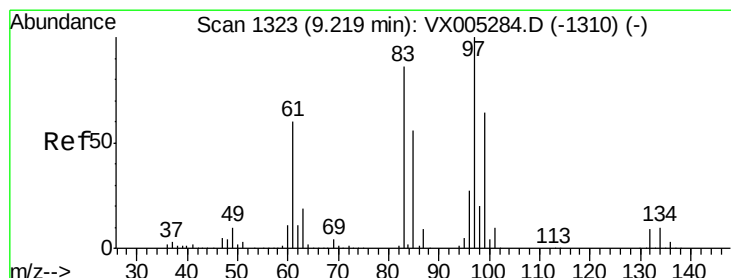
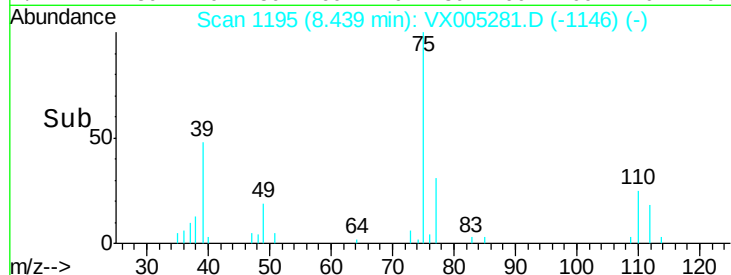
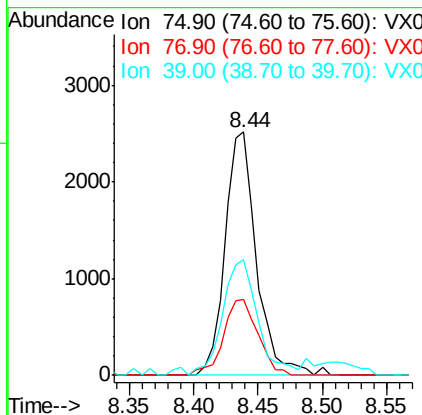
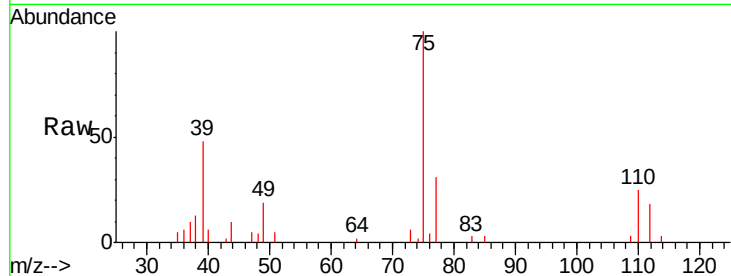
ClientSampleId :

VSTDIC001

Tgt Ion:	75	Resp:	4303
Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.2	39.2
39	47.7	36.4	54.6

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#55

1,1,2-Trichloroethane

Concen: 0.81 ug/l

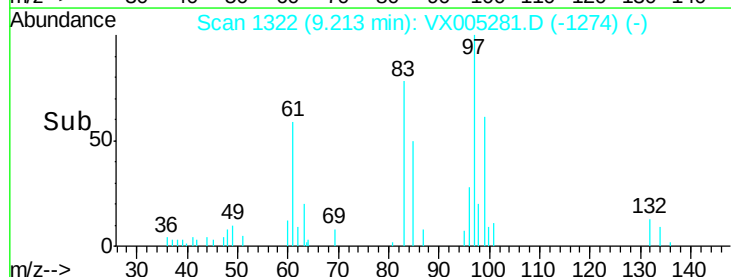
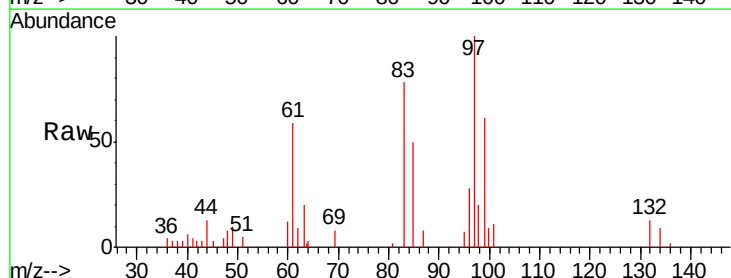
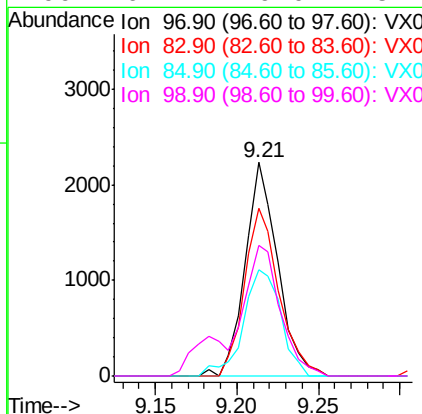
RT: 9.21 min Scan# 1322

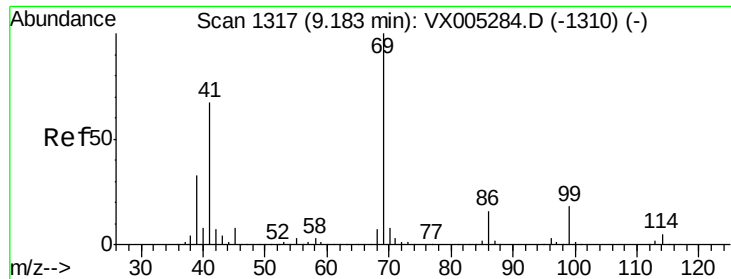
Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion:	97	Resp:	3111
Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.4	99.6
85	49.7	43.3	64.9
99	61.2	49.0	73.4





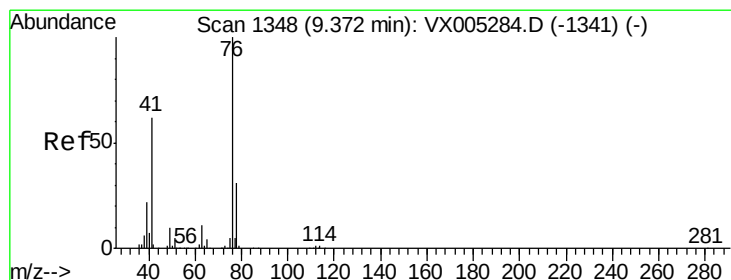
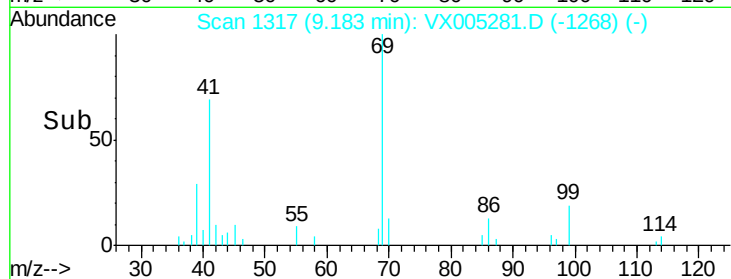
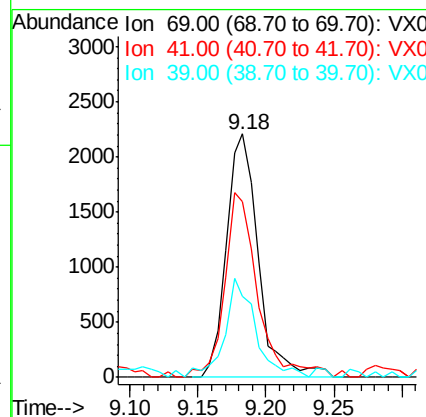
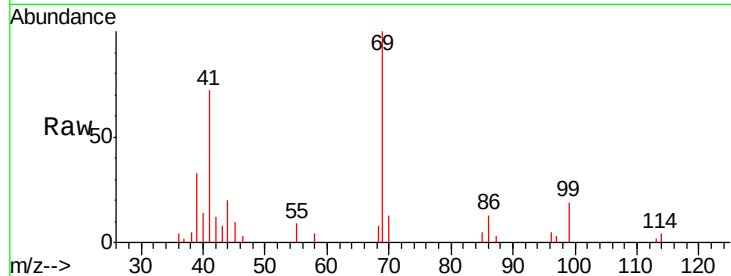
#56
Ethyl methacrylate
Concen: 0.66 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
69	100		
41	79.2	51.0	76.4#
39	40.2	26.1	39.1#

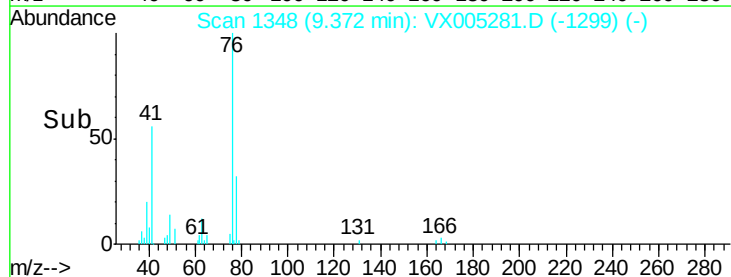
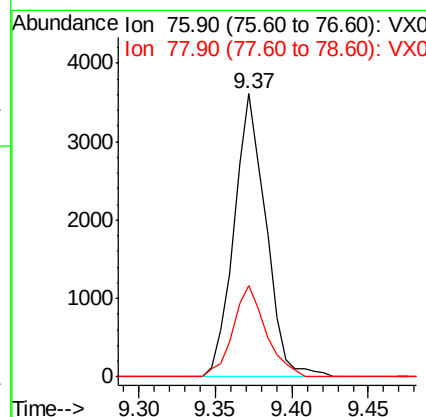
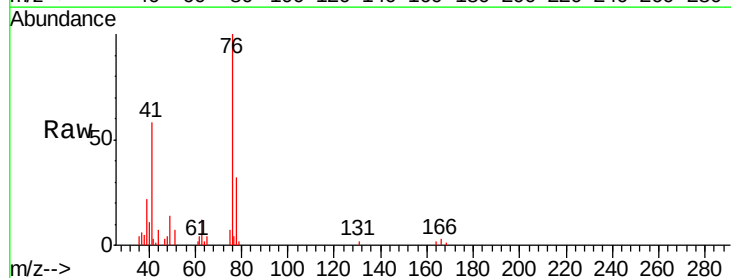
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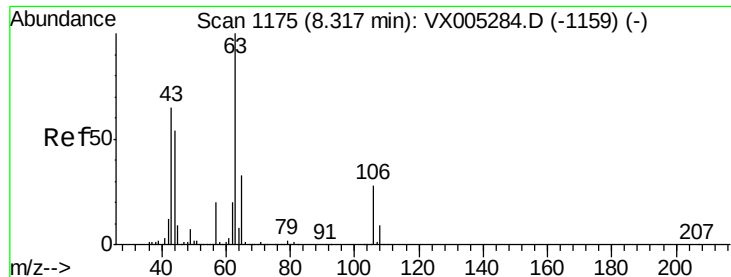
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#57
1,3-Dichloropropane
Concen: 0.84 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.5	38.3





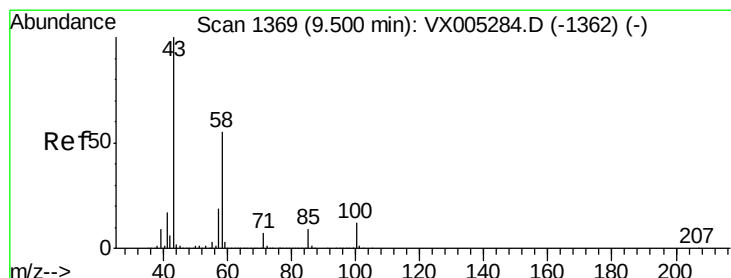
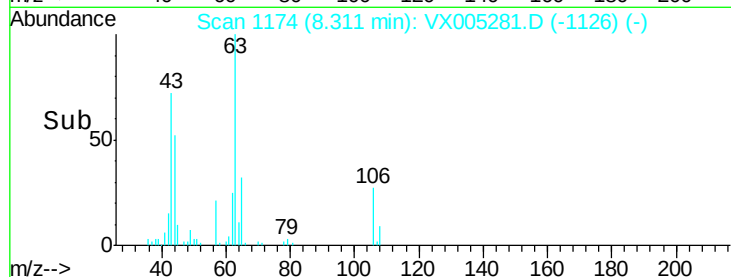
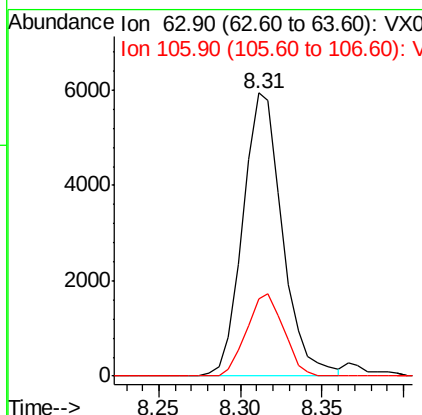
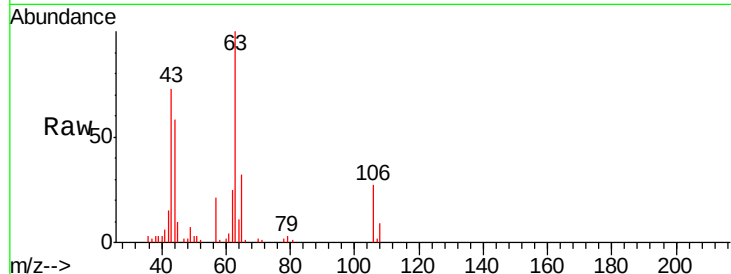
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.04 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion: 63 Resp: 10055
 Ion Ratio Lower Upper
 63 100
 106 27.3 23.9 35.9

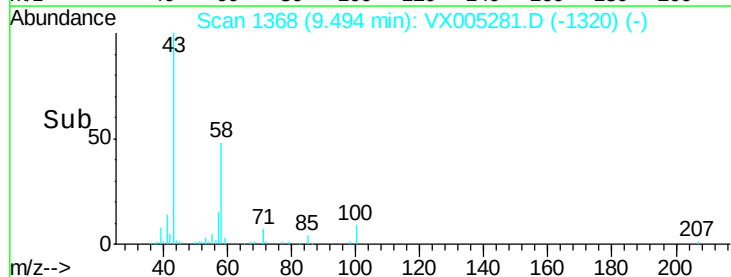
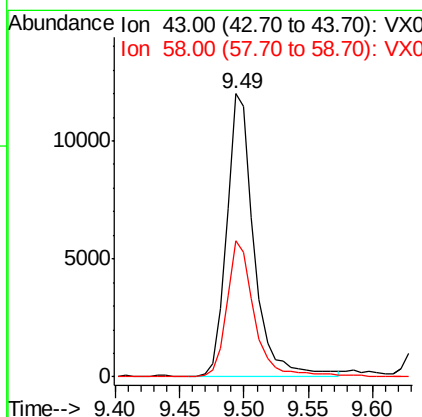
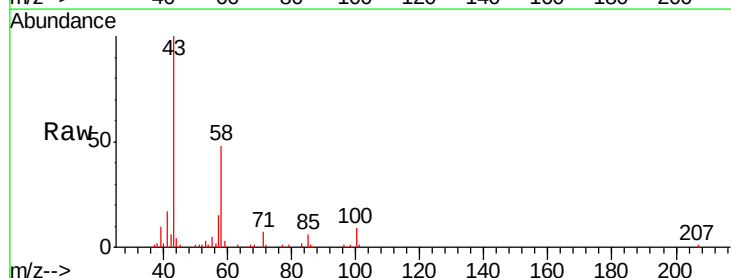
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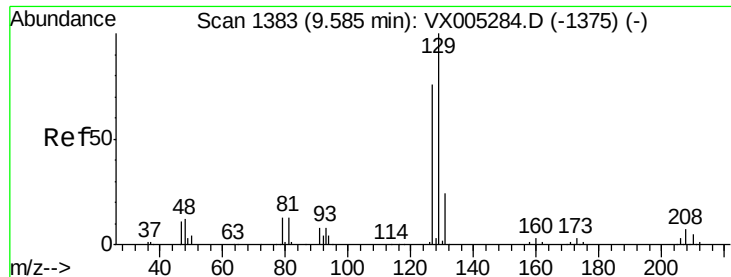
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#59
 2-Hexanone
 Concen: 4.30 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion: 43 Resp: 17934
 Ion Ratio Lower Upper
 43 100
 58 48.2 29.0 87.0





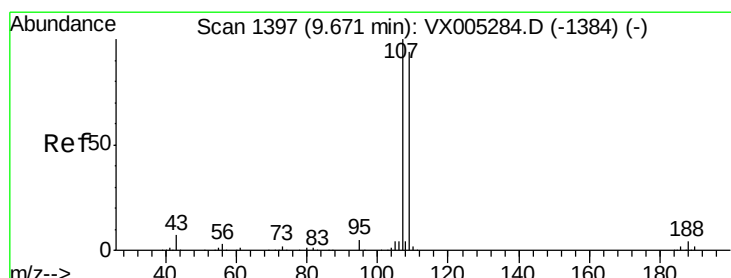
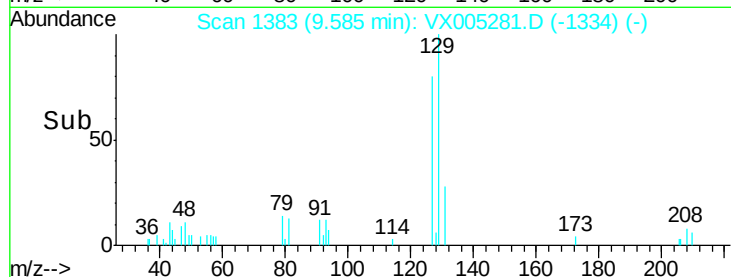
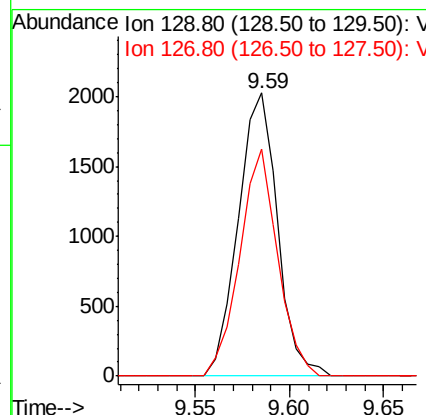
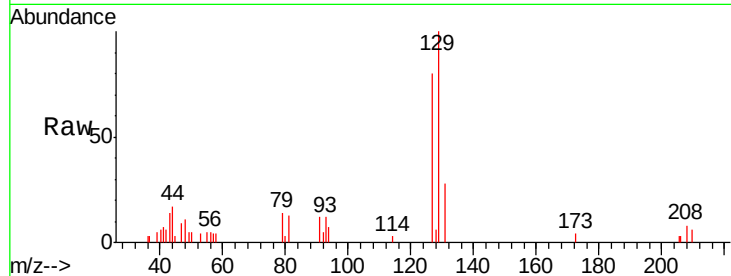
#60
Dibromochloromethane
Concen: 0.81 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5

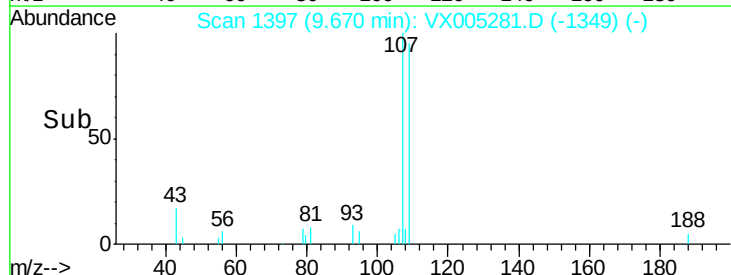
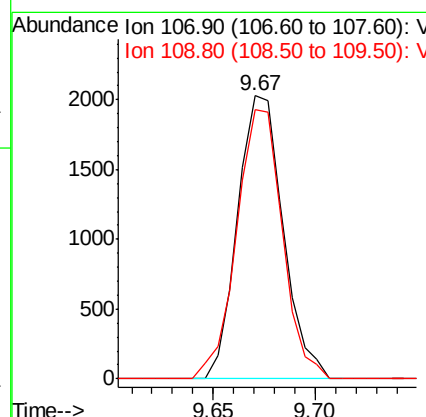
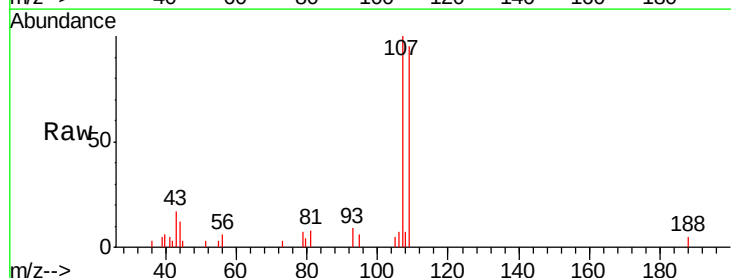
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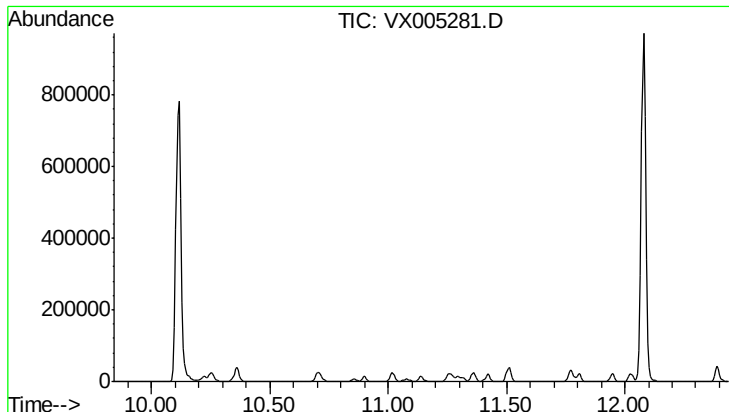
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#61
1,2-Dibromoethane
Concen: 0.86 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.1	76.0	114.0





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 11.14 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion: 95

Sig Exp Ratio

95 100

174 92.6

176 89.3

Instrument :

MSVOA_X

ClientSampleId :

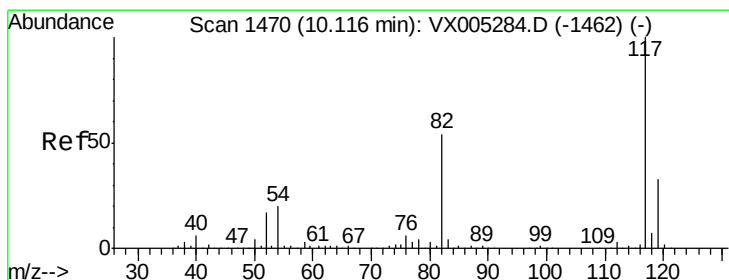
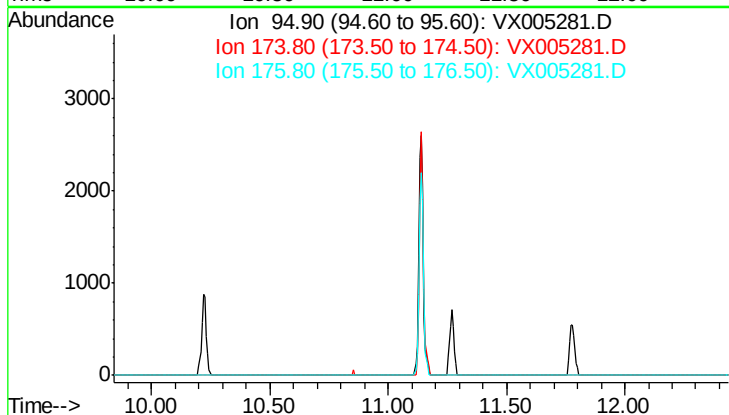
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

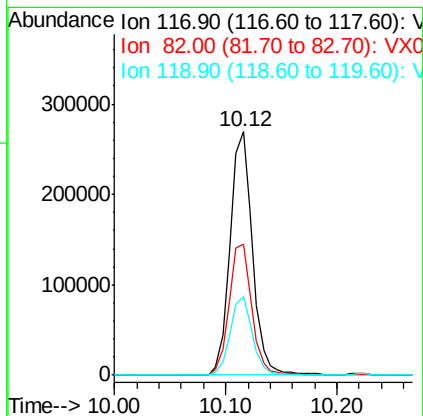
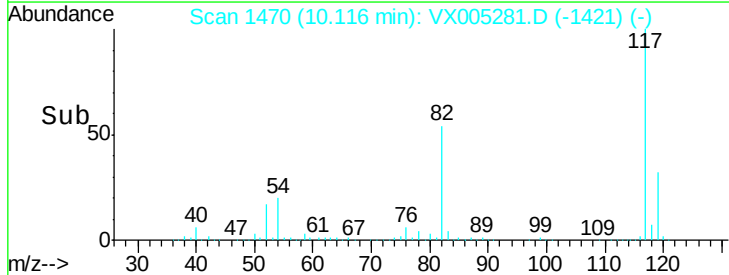
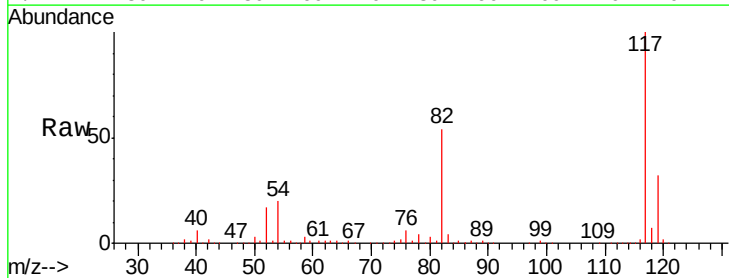
Tgt Ion: 117 Resp: 374675

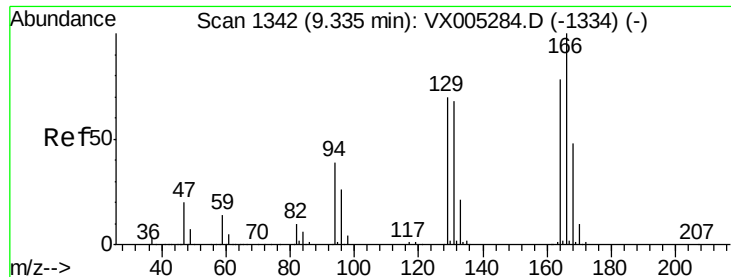
Ion Ratio Lower Upper

117 100

82 54.0 47.8 71.6

119 32.5 29.3 43.9





#64

Tetrachloroethene

Concen: 0.74 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 3439

Ion Ratio Lower Upper

164 100

166 120.6 102.8 154.2

129 95.9 69.4 104.0

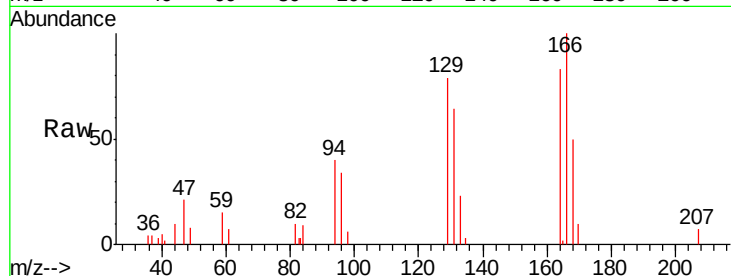
131 76.9 67.9 101.9

Manual Integrations

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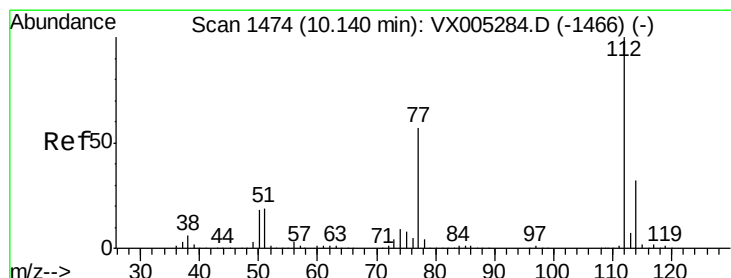
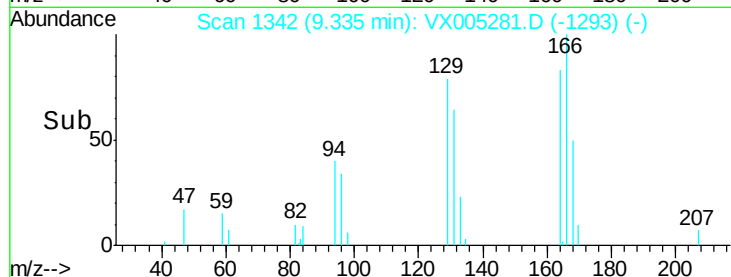
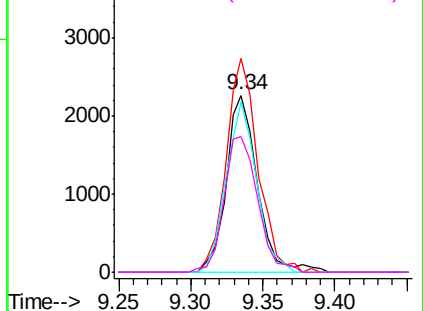


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.97 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005281.D

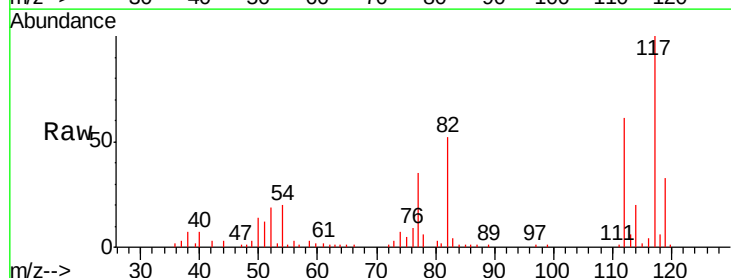
Acq: 12 Oct 2018 08:45

Tgt Ion:112 Resp: 8984

Ion Ratio Lower Upper

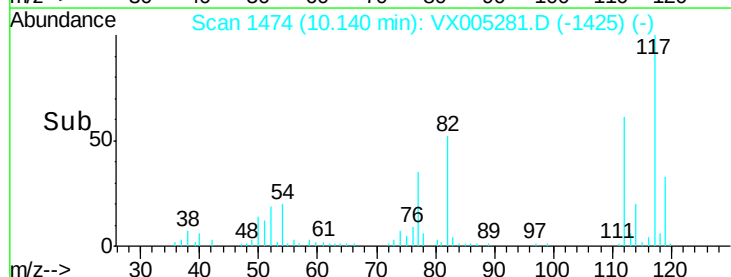
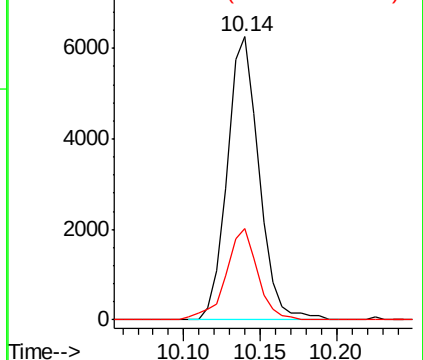
112 100

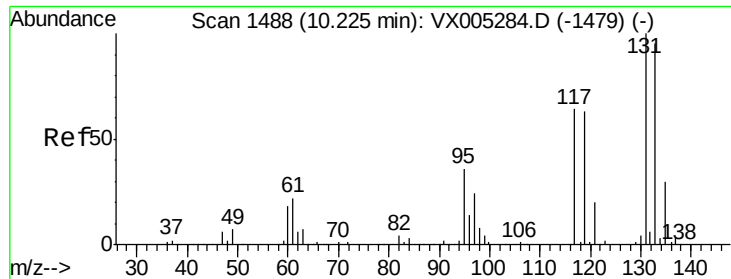
114 32.1 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.92 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

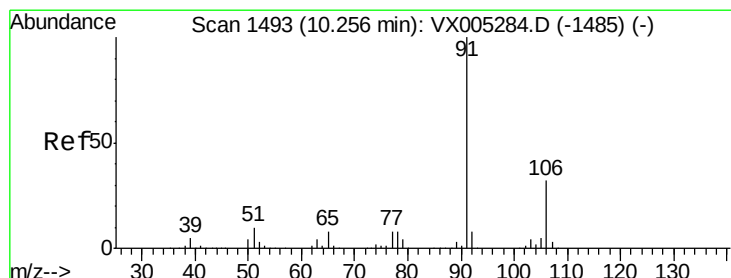
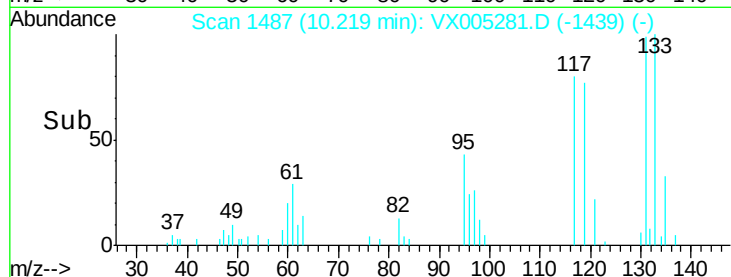
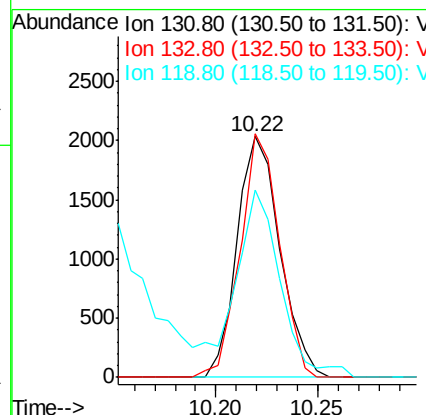
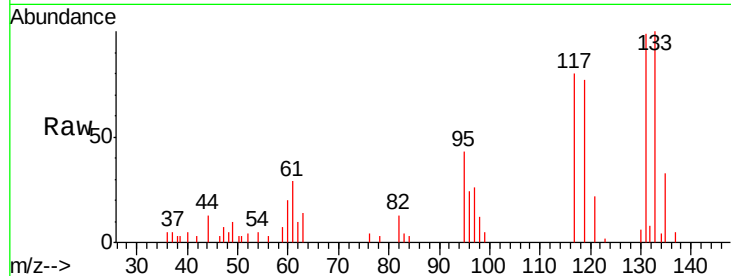
ClientSampled :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.1	144.4
119	0.0	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.86 ug/l

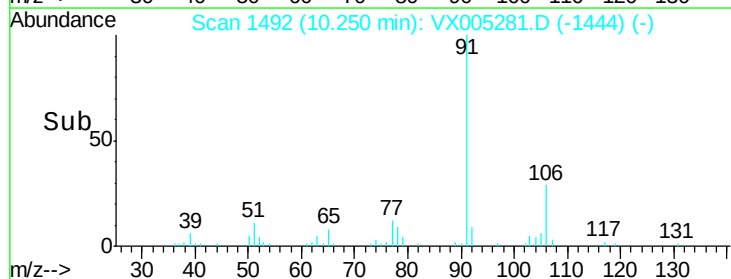
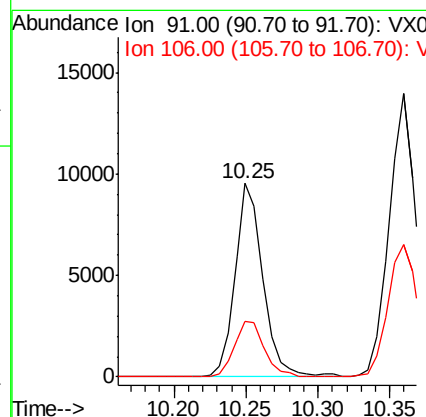
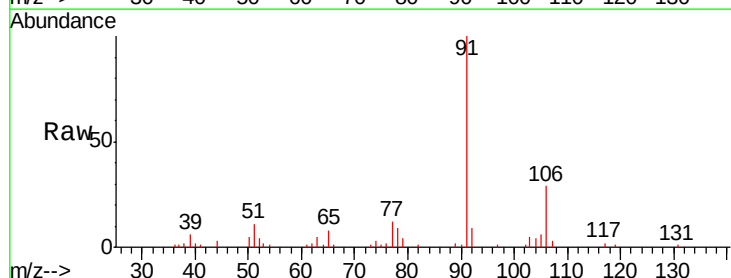
RT: 10.25 min Scan# 1492

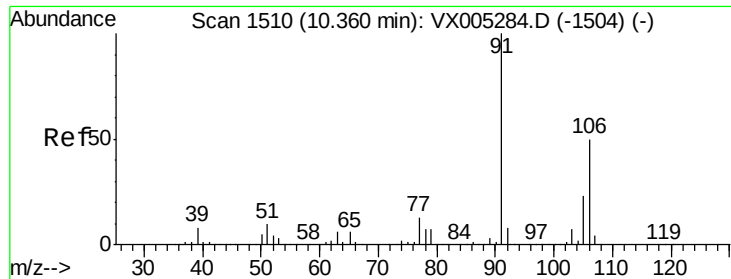
Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	25.9	38.9





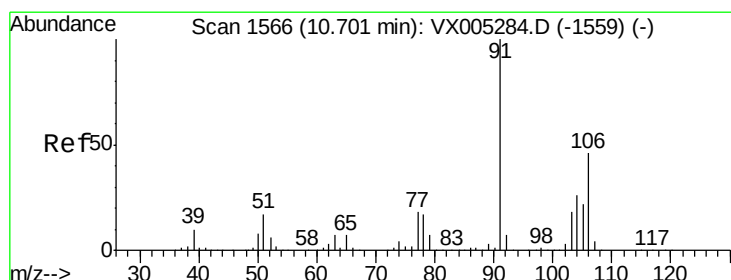
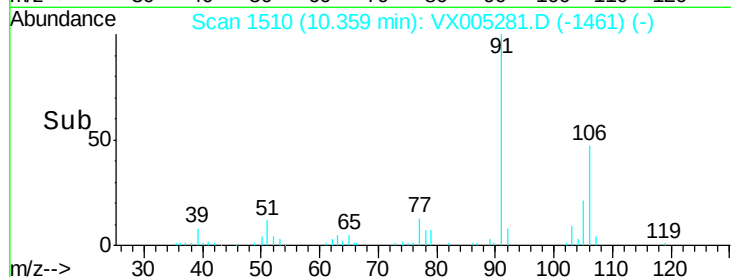
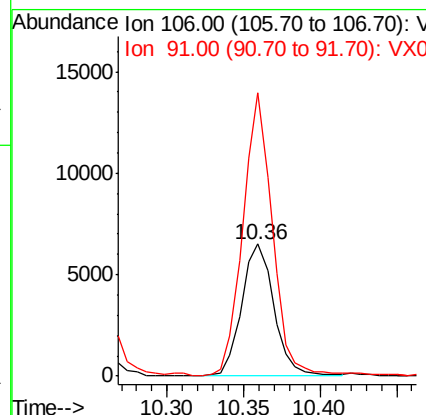
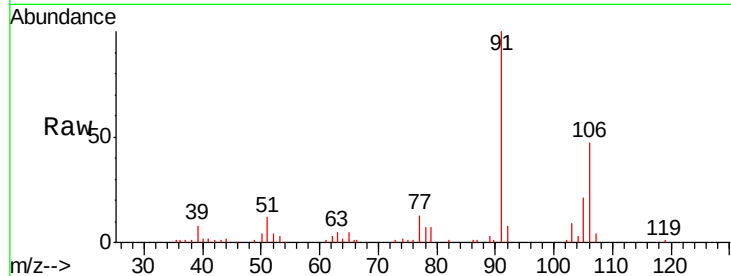
#68
m/p-Xylenes
Concen: 1.64 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 9589
Ion Ratio Lower Upper
106 100
91 193.8 157.1 235.7

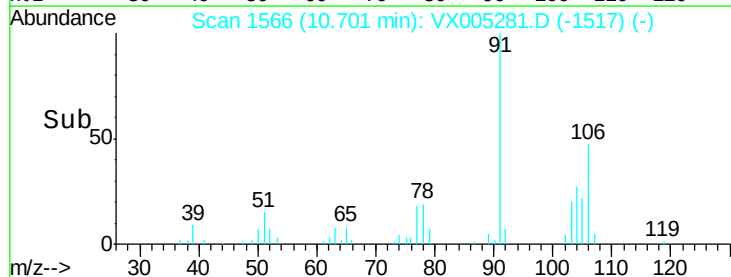
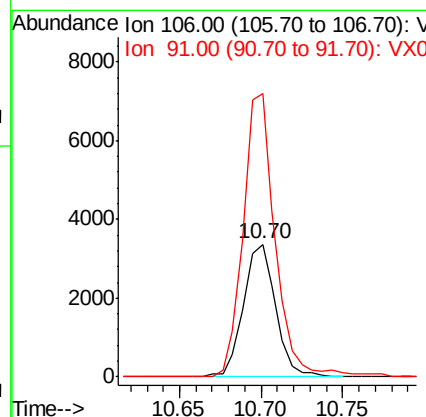
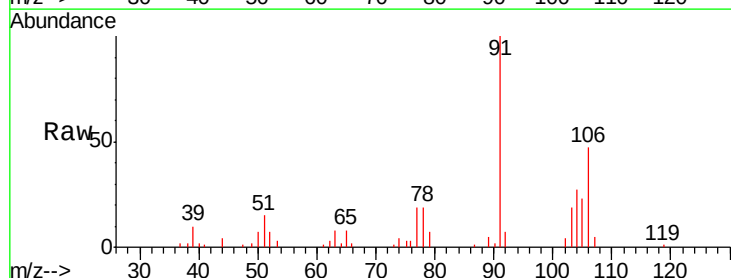
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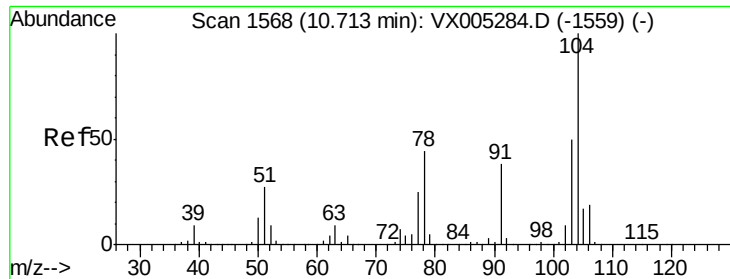
MMDadoda
10/17/2018 9:04:16 AM



#69
o-Xylene
Concen: 0.83 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion:106 Resp: 4642
Ion Ratio Lower Upper
106 100
91 212.6 105.1 315.1





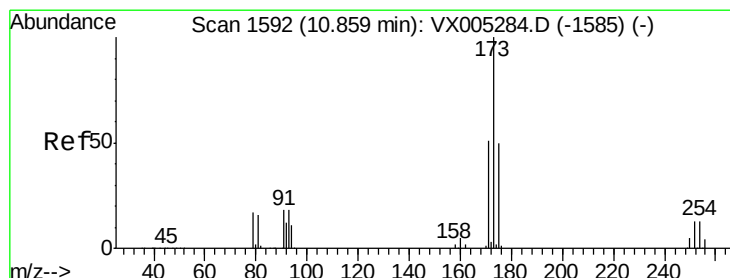
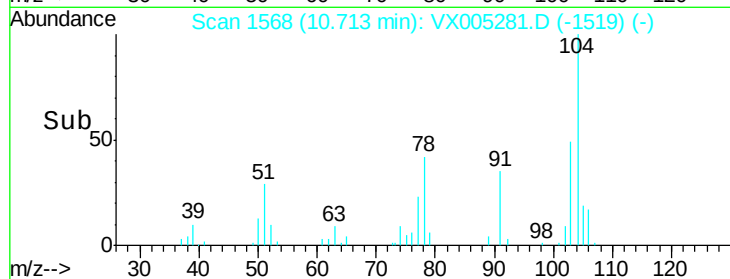
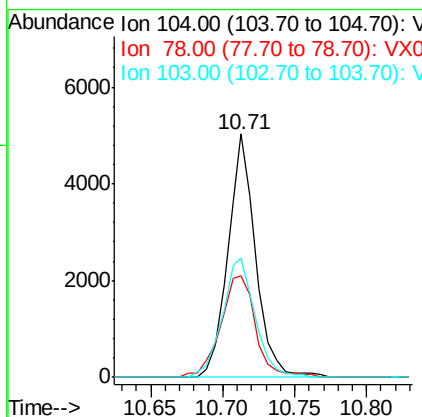
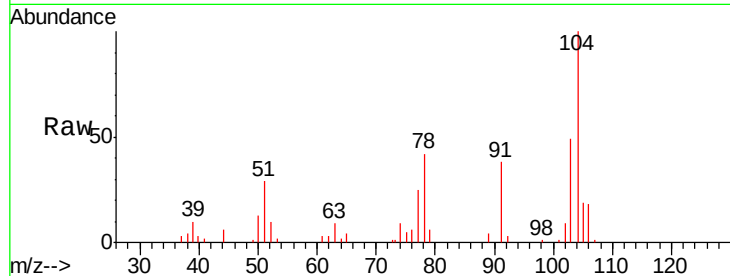
#70
Styrene
 Concen: 0.73 ug/l
 RT: 10.71 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion:104 Resp: 6768
 Ion Ratio Lower Upper
 104 100
 78 52.7 37.4 56.0
 103 57.9 43.8 65.6

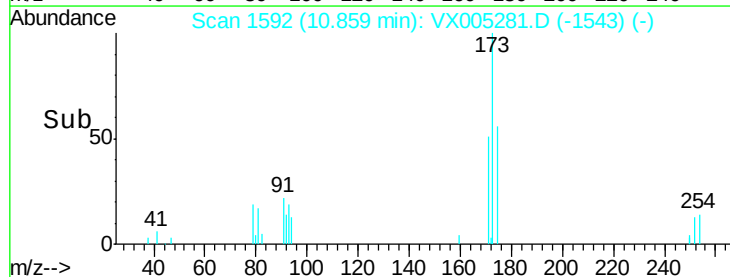
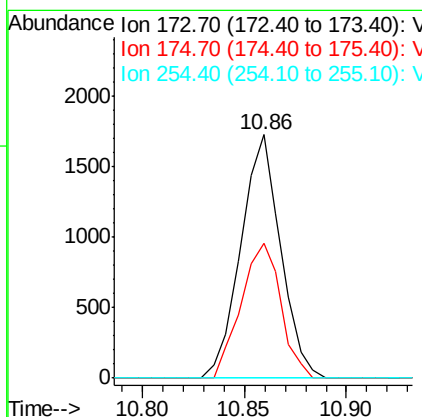
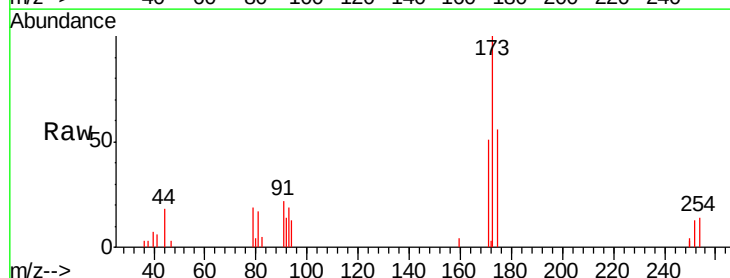
Manual Integrations
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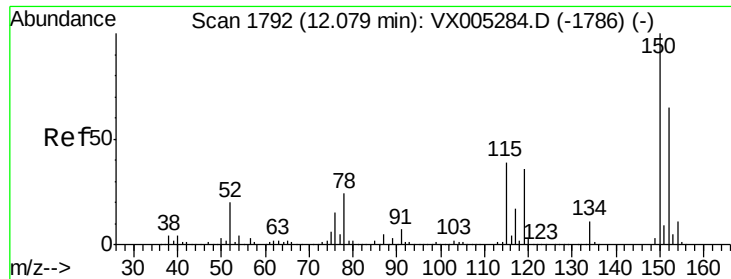
MMDadoda
 10/17/2018 9:04:16 AM



#71
Bromoform
 Concen: 0.88 ug/l
 RT: 10.86 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion:173 Resp: 2327
 Ion Ratio Lower Upper
 173 100
 175 55.5 24.1 72.3
 254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

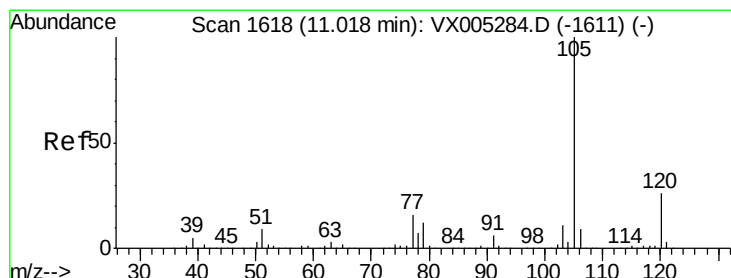
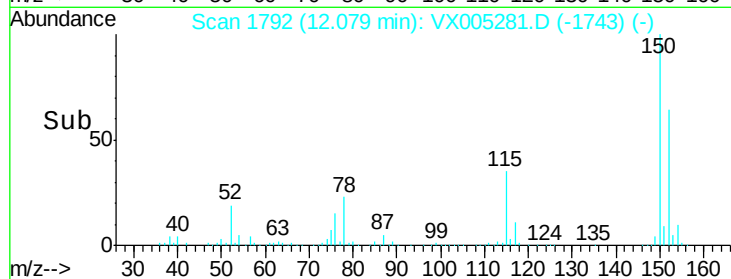
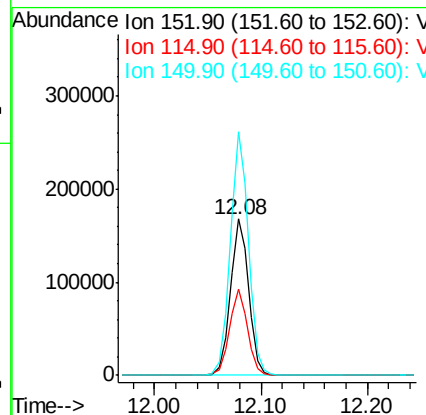
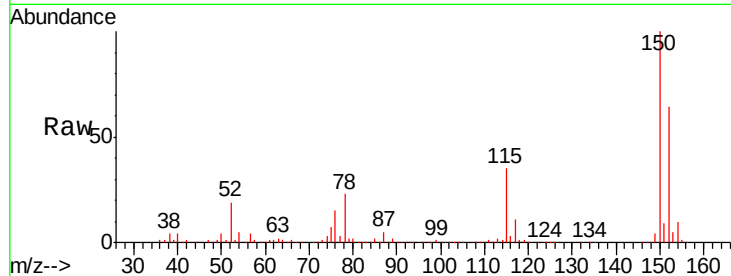
ClientSampleId :

VSTDIC001

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		200063		
115	54.7	39.0	117.0		
150	155.3	0.0	351.0		

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10/17/2018 9:04:16 AM



#73

Isopropylbenzene

Concen: 0.85 ug/l

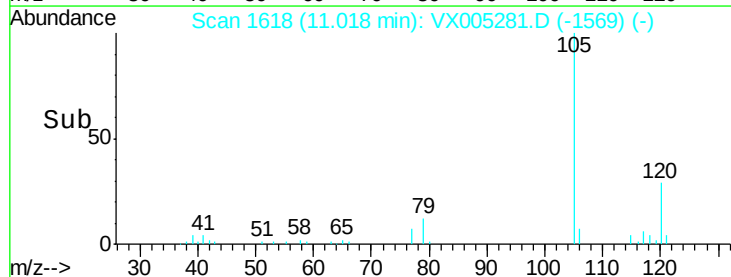
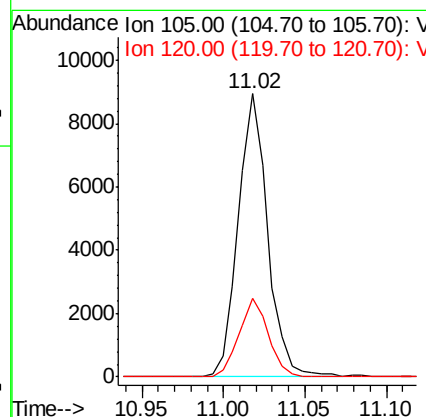
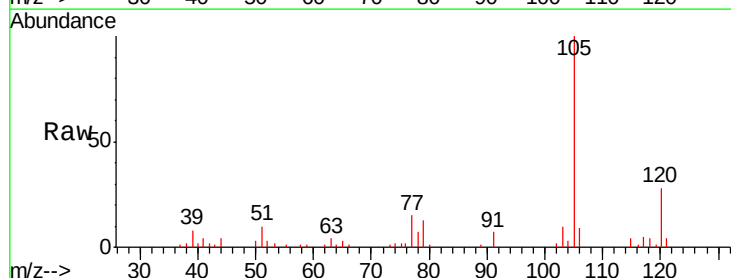
RT: 11.02 min Scan# 1618

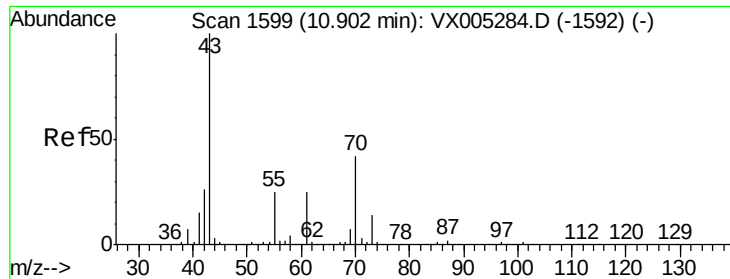
Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt	Ion	Ratio	Resp	Lower	Upper
105	100		11234		
120	27.6	13.5	40.4		





#74

N-ethyl acetate

Concen: 0.92 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

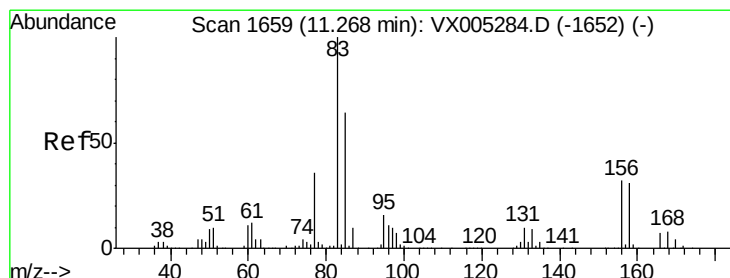
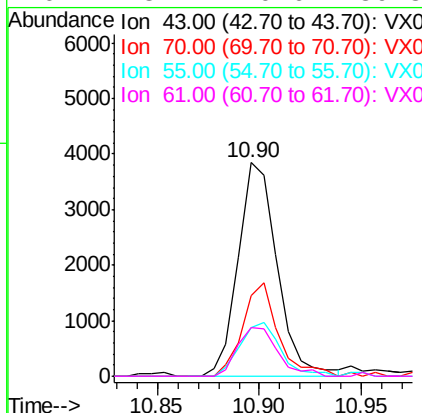
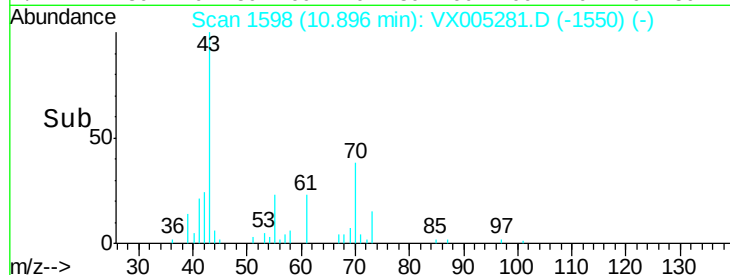
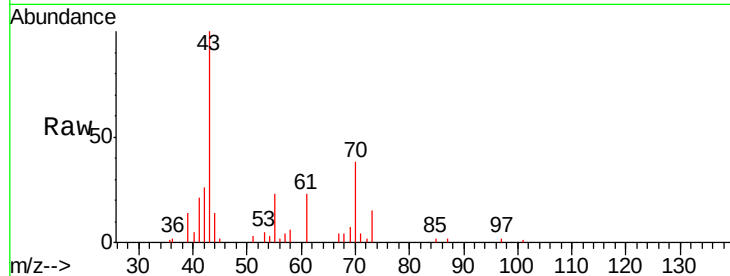
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	37.4	56.0
55	25.7	21.8	32.8
61	23.4	20.6	30.8

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.17 ug/l

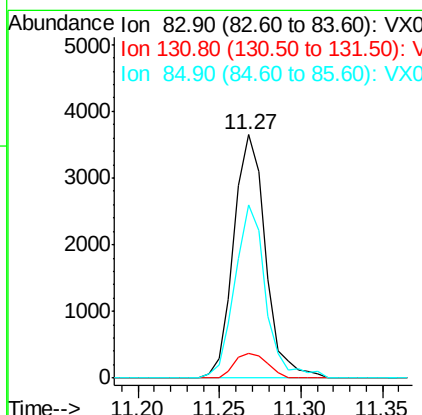
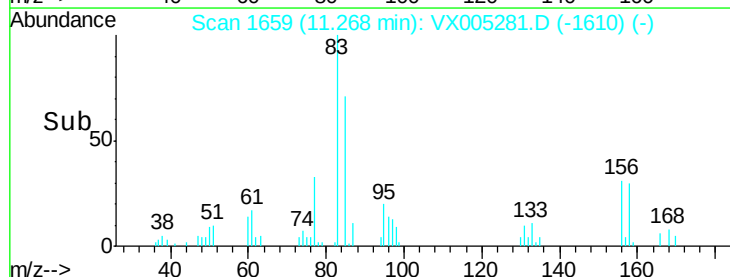
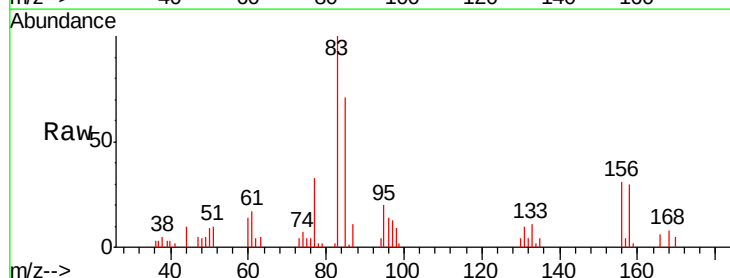
RT: 11.27 min Scan# 1659

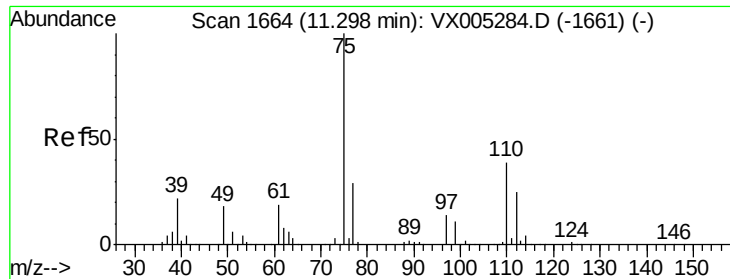
Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	69.2	32.3	96.8





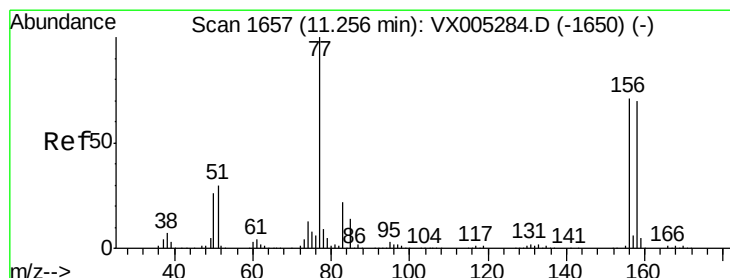
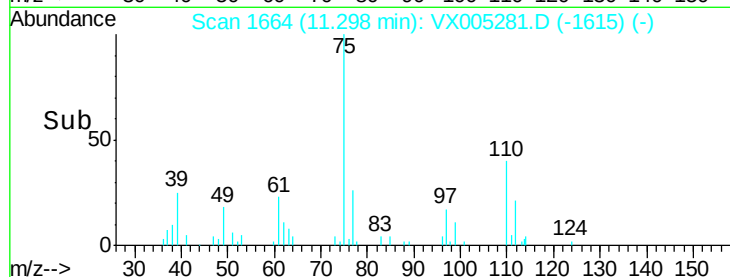
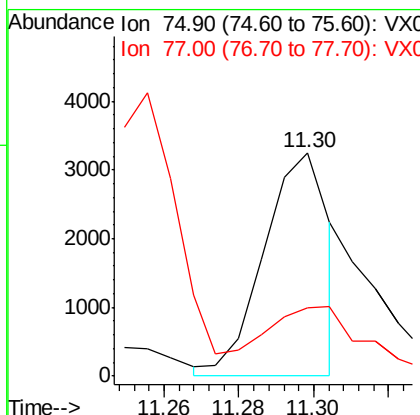
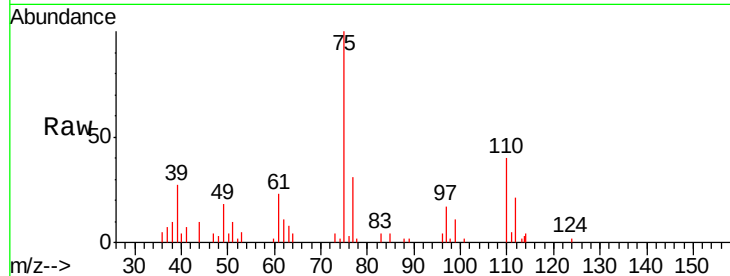
#76
1,2,3-Trichloropropane
Concen: 0.98 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 3946
Ion Ratio Lower Upper
75 100
77 46.0 20.2 60.6

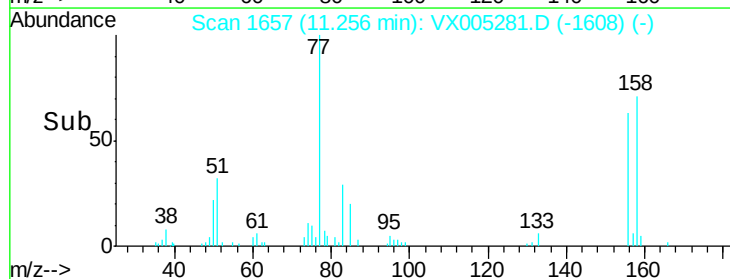
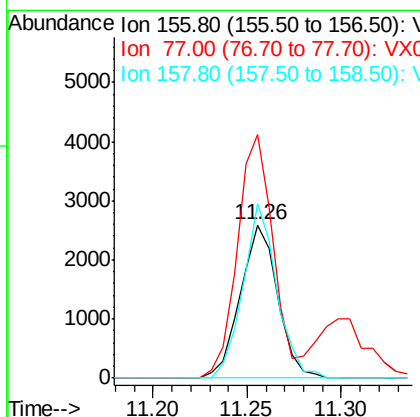
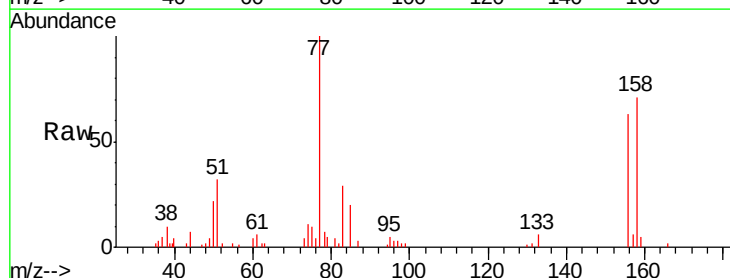
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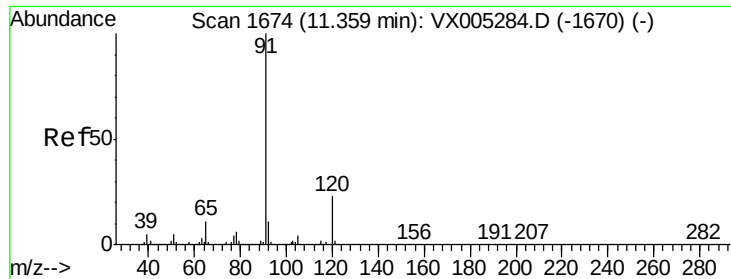
MMDadoda
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#77
Bromobenzene
Concen: 0.97 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 156 Resp: 3547
Ion Ratio Lower Upper
156 100
77 153.9 71.5 214.3
158 103.2 48.9 146.8





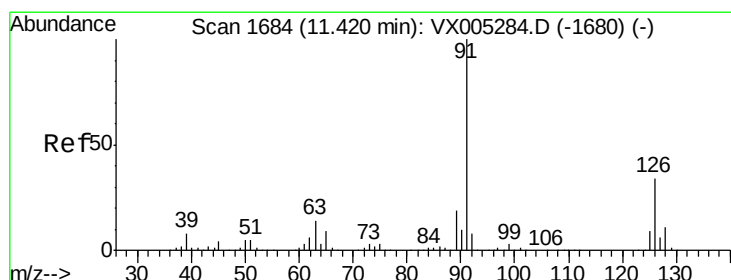
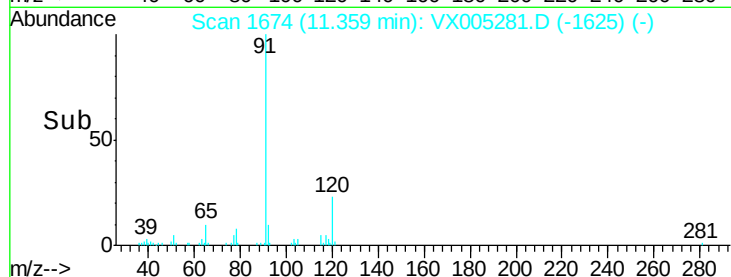
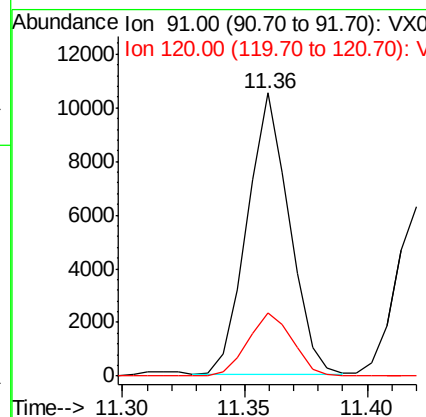
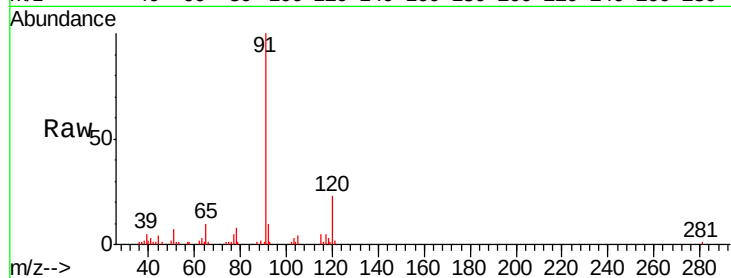
#78
n-propylbenzene
Concen: 0.83 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 12595
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.9

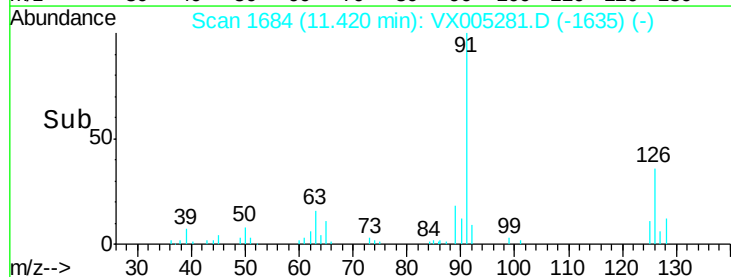
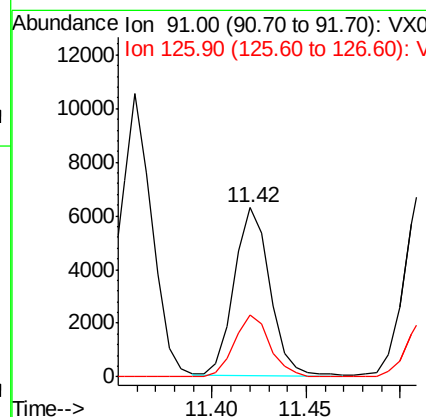
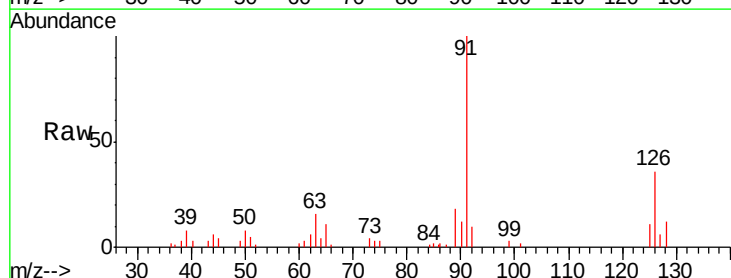
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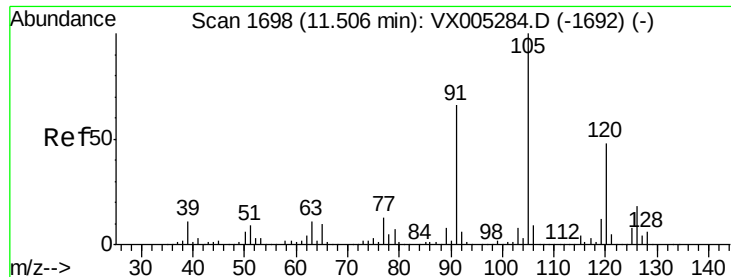
MMDadoda
10/17/2018 9:04:16 AM



#79
2-Chlorotoluene
Concen: 0.90 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion: 91 Resp: 8302
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.7





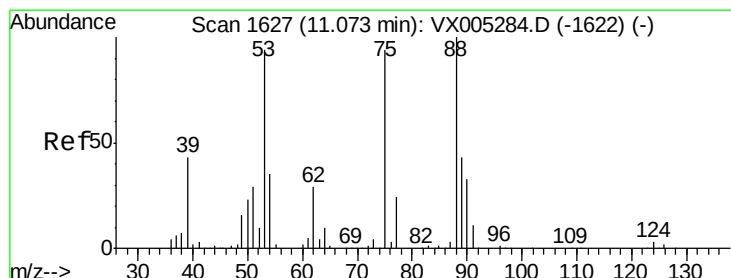
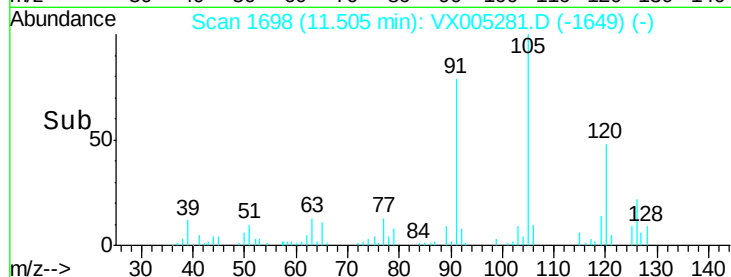
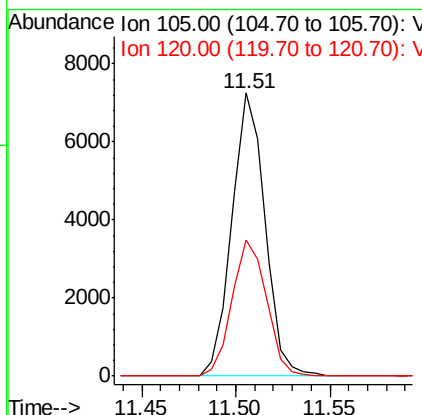
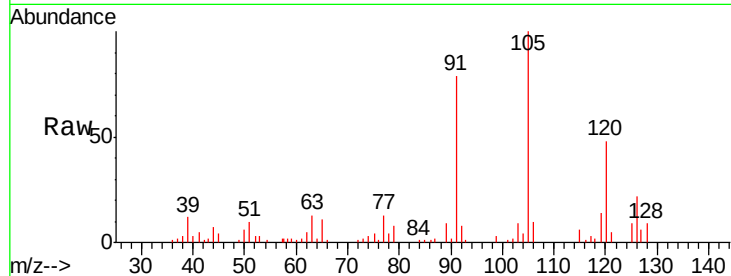
#80
 1,3,5-Trimethylbenzene
 Concen: 0.80 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion: 105 Resp: 8862
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.6 76.8

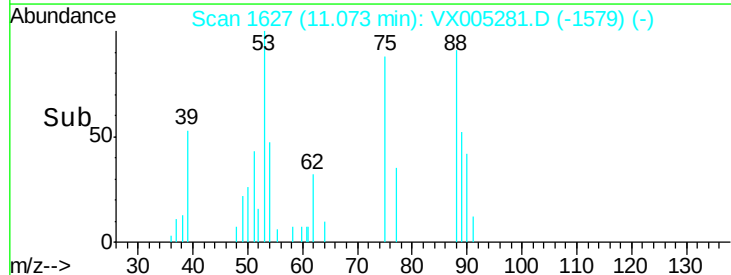
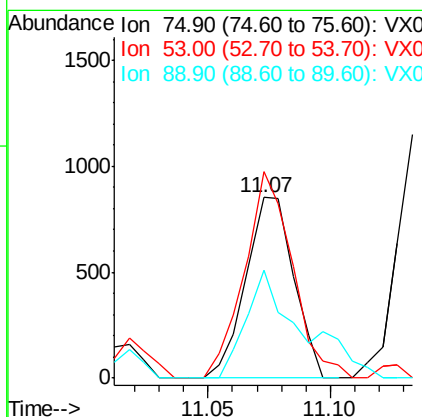
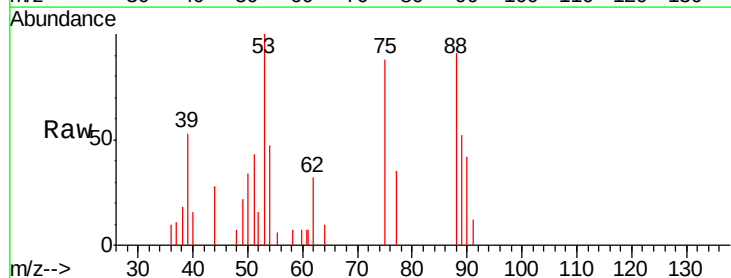
Manual Integrations
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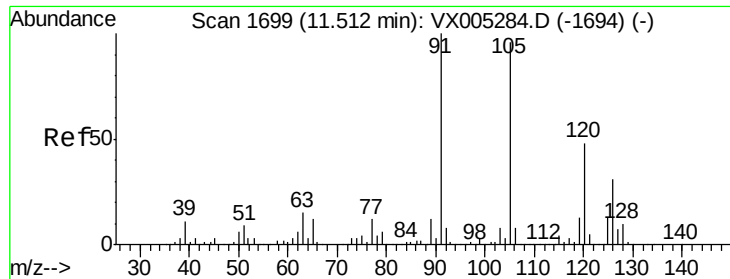
MMDadoda
 10/17/2018 9:04:16 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.92 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion: 75 Resp: 1166
 Ion Ratio Lower Upper
 75 100
 53 114.1 80.1 120.1
 89 69.6 37.2 55.8#





#82

4-Chlorotoluene

Concen: 0.90 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 9639

Ion Ratio Lower Upper

91 100

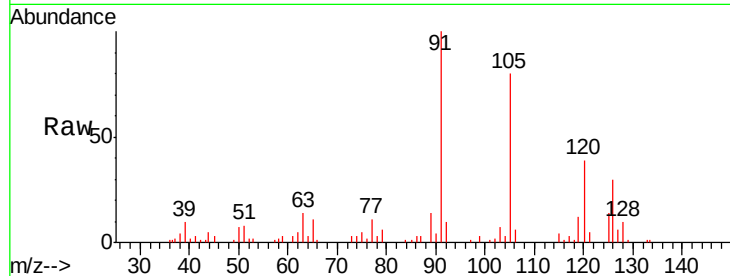
126 30.5 15.5 46.5

Manual Integrations

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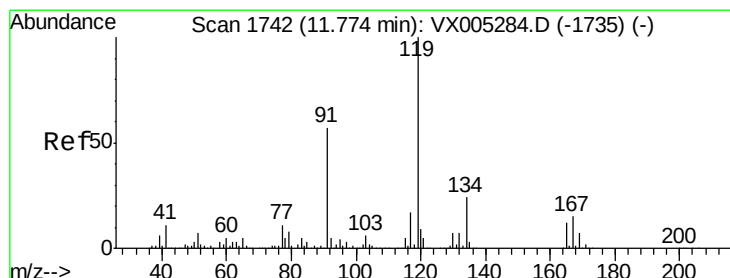
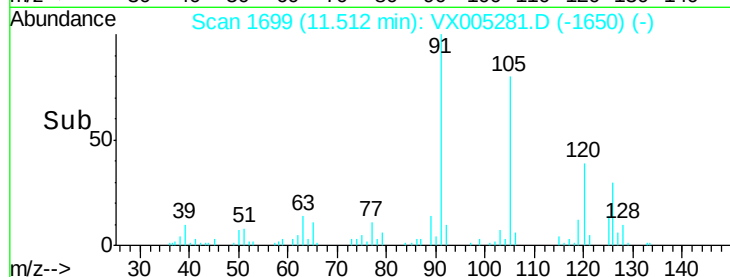
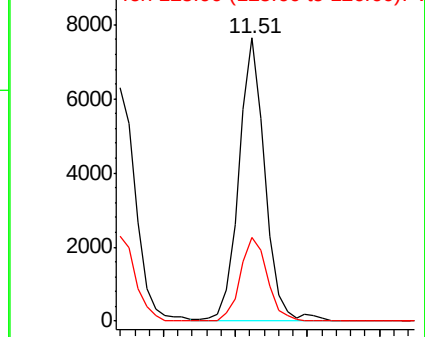
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 0.94 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

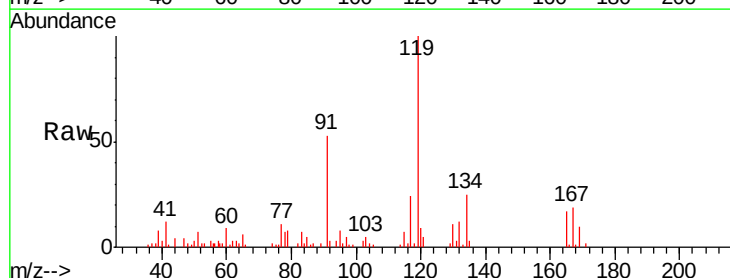
Tgt Ion: 119 Resp: 9870

Ion Ratio Lower Upper

119 100

91 55.0 27.0 81.0

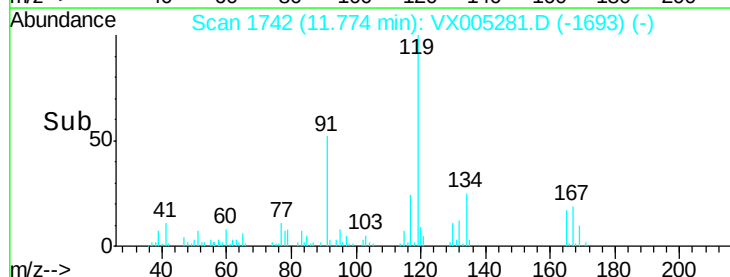
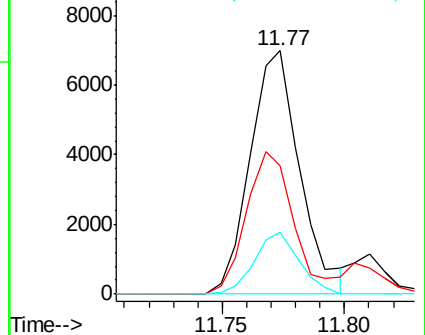
134 22.9 11.7 35.1

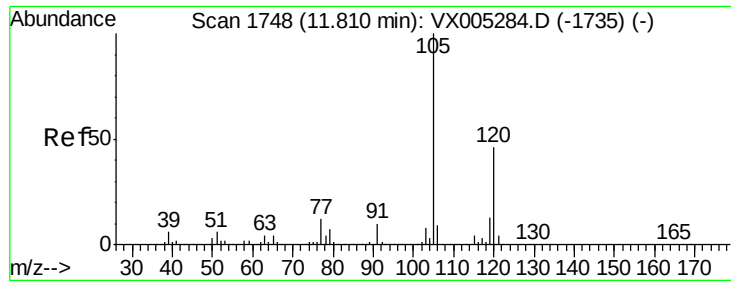


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





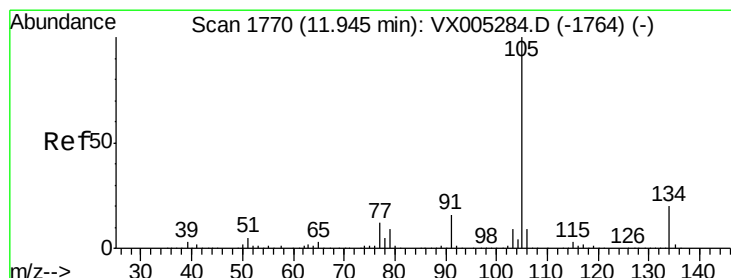
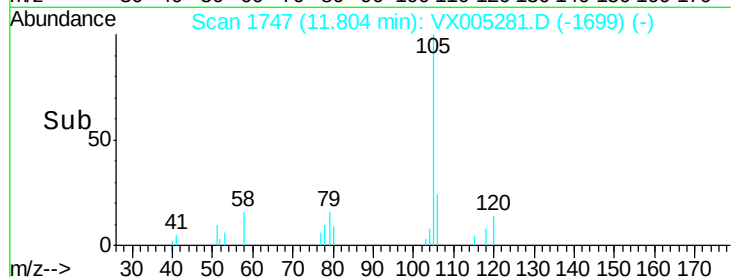
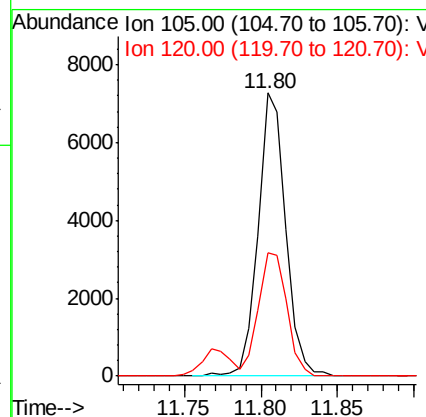
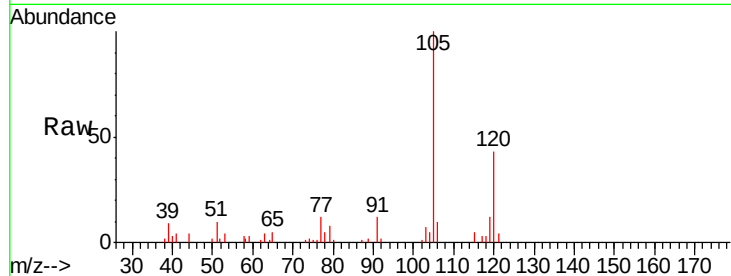
#84
 1,2,4-Trimethylbenzene
 Concen: 0.81 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 9135
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.6

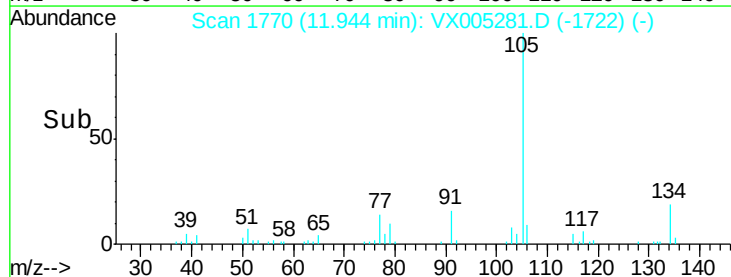
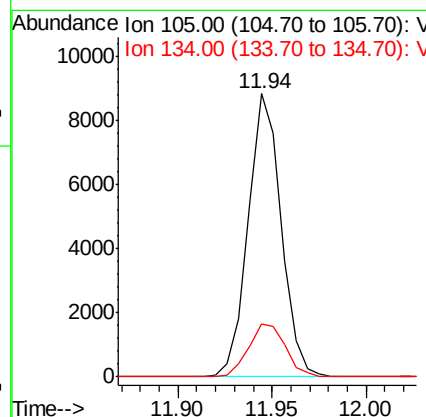
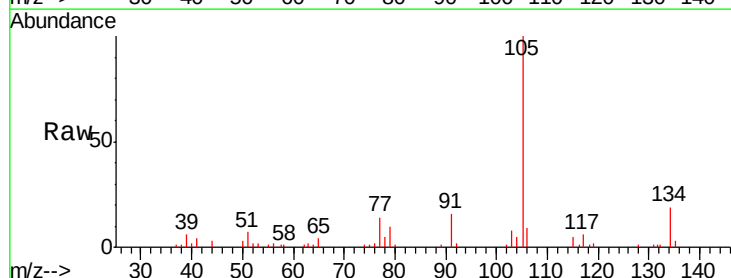
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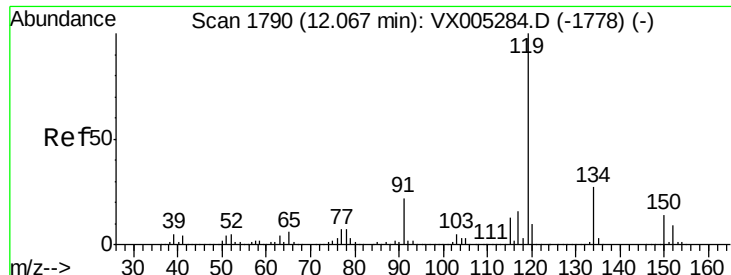
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#85
 sec-Butylbenzene
 Concen: 0.80 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion:105 Resp: 10734
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5





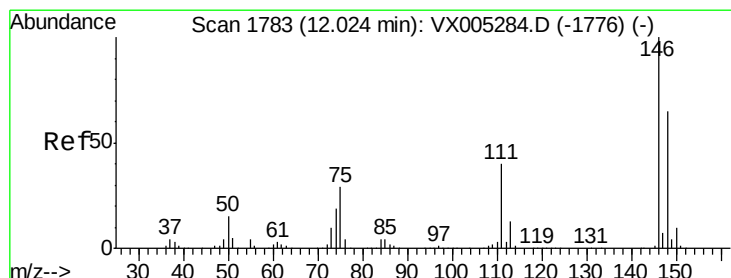
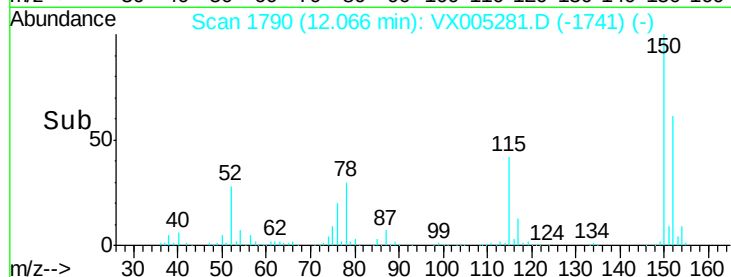
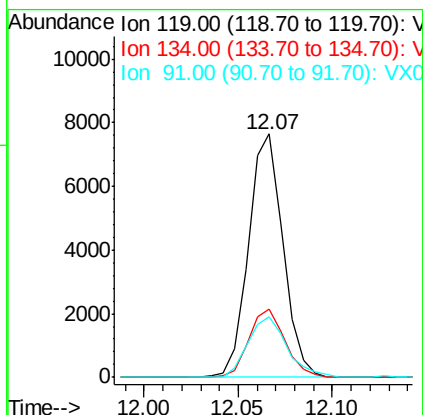
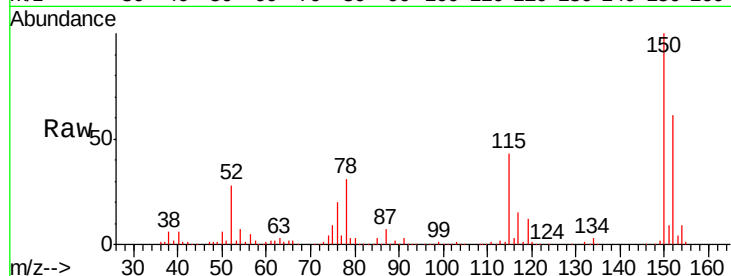
#86
p-Isopropyltoluene
Concen: 0.82 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.3	13.4	40.2
91	28.2	10.9	32.7

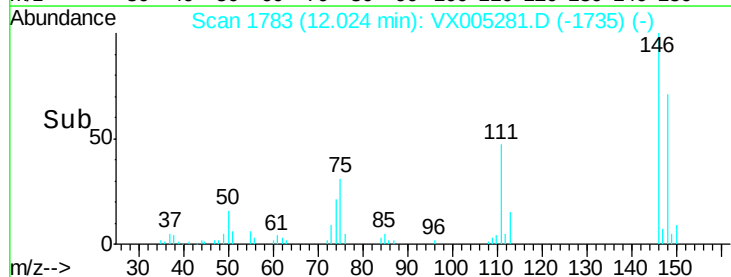
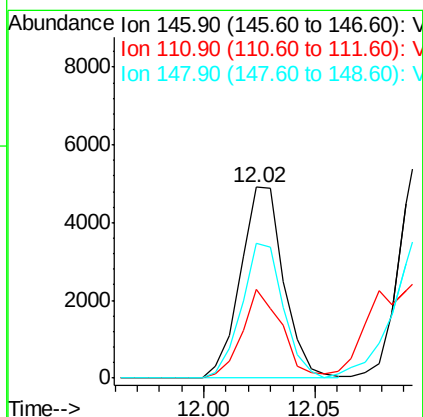
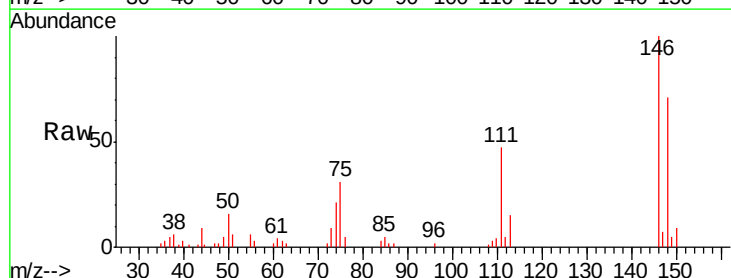
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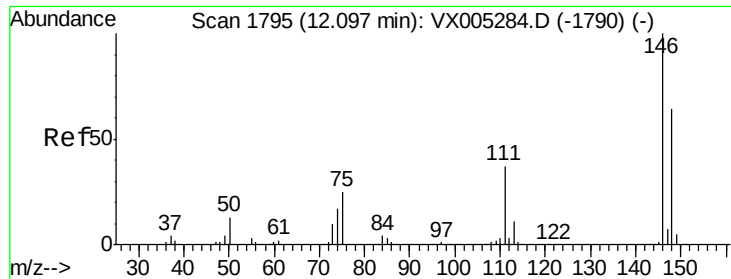
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#87
1,3-Dichlorobenzene
Concen: 0.98 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.7	56.1
148	67.9	32.1	96.5





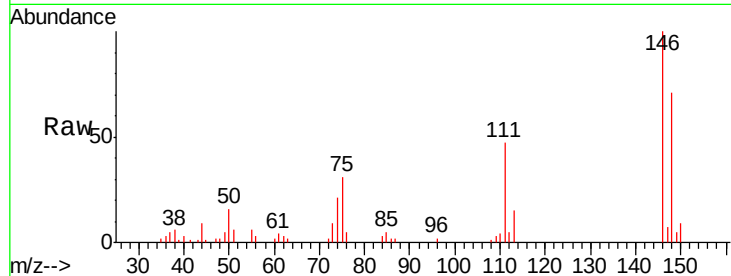
#88
 1,4-Dichlorobenzene
 Concen: 0.95 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

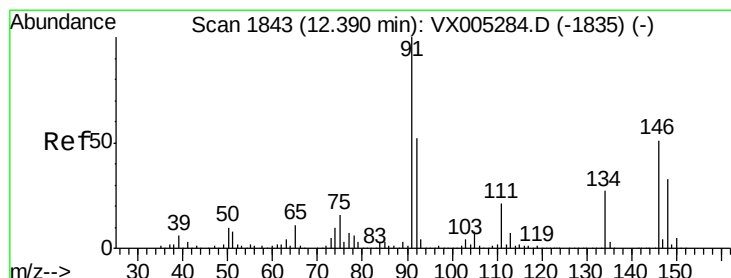
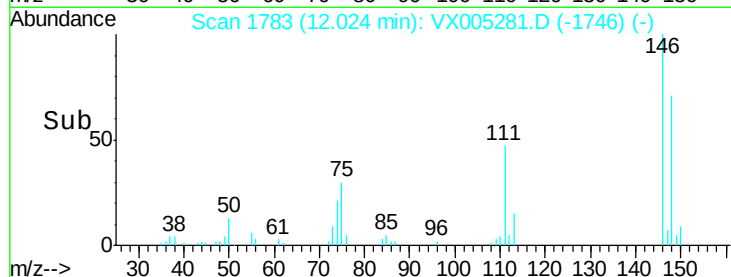
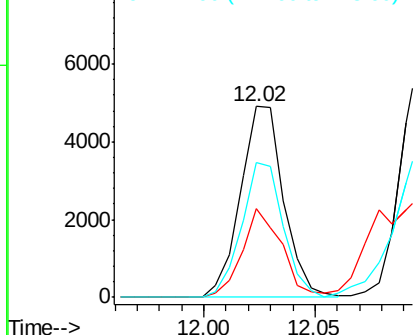
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.1	54.1
148	67.9	32.0	96.0

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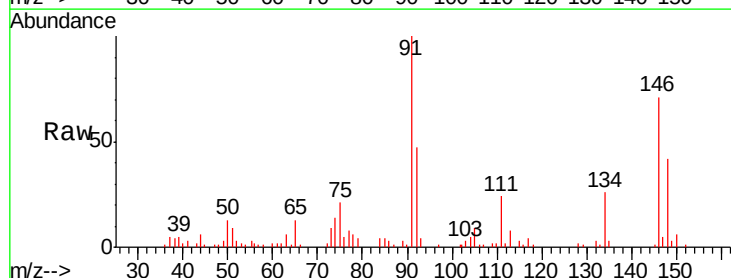


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

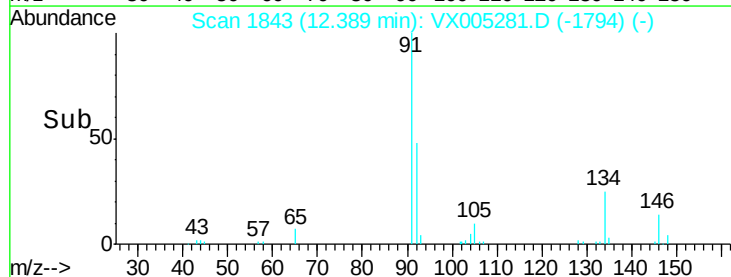
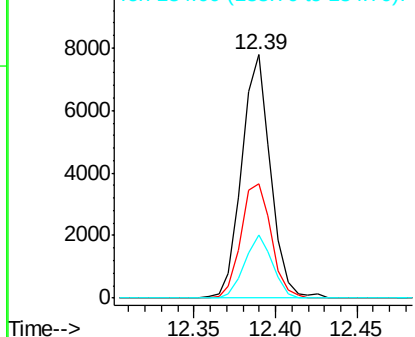


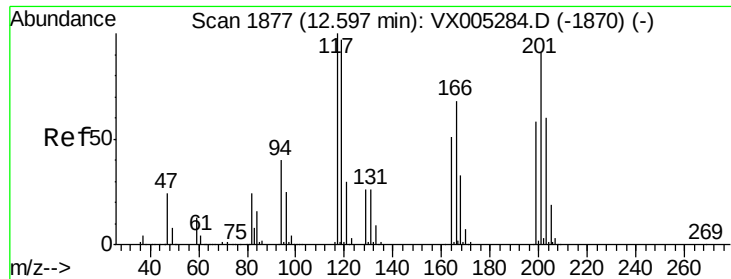
#89
 n-Butylbenzene
 Concen: 0.89 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.4	27.3	81.9
134	25.1	13.6	40.7



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V





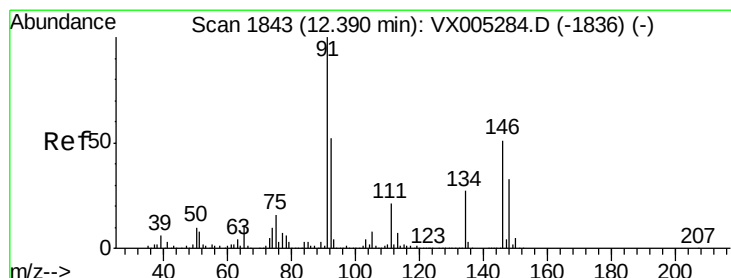
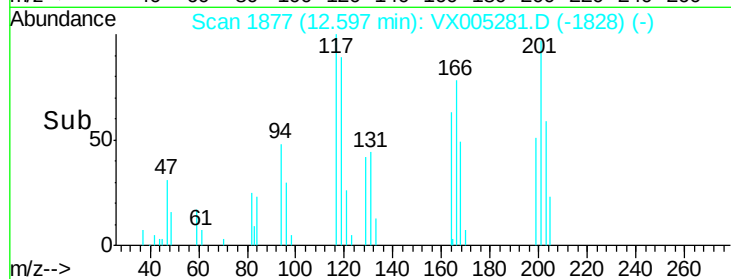
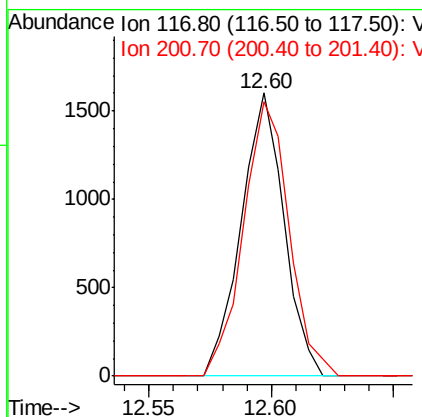
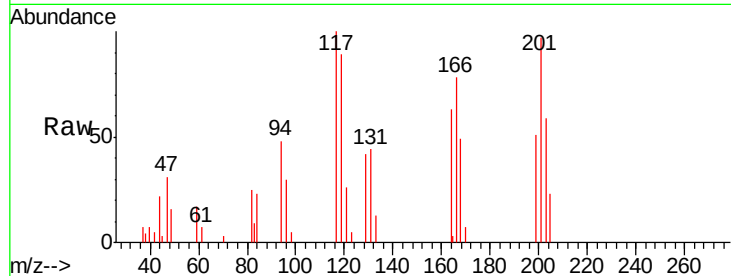
#90
Hexachloroethane
Concen: 1.03 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.4	46.9	140.6

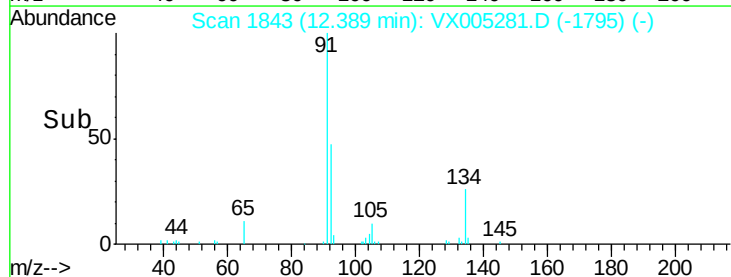
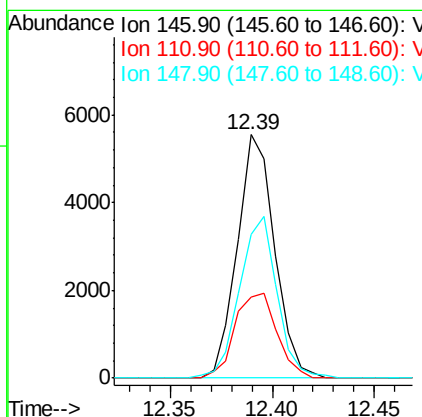
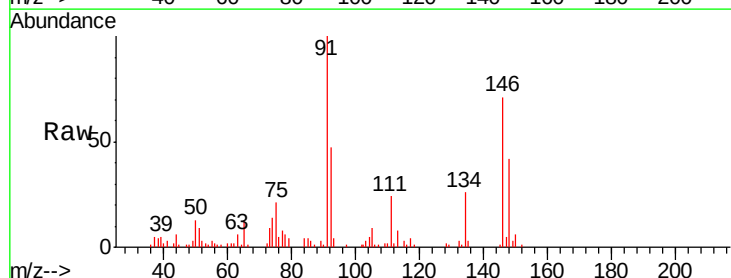
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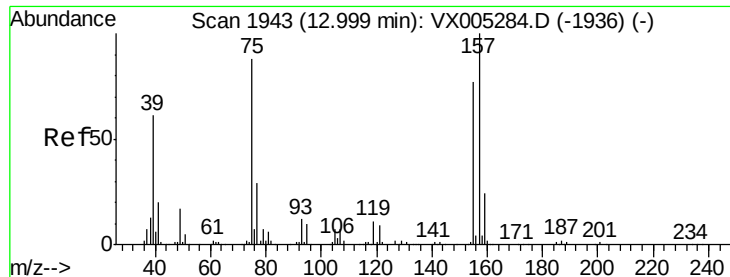
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#91
1,2-Dichlorobenzene
Concen: 1.03 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005281.D
Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	66.7	32.8	98.3





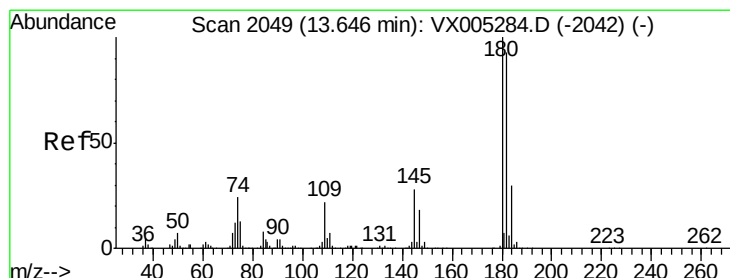
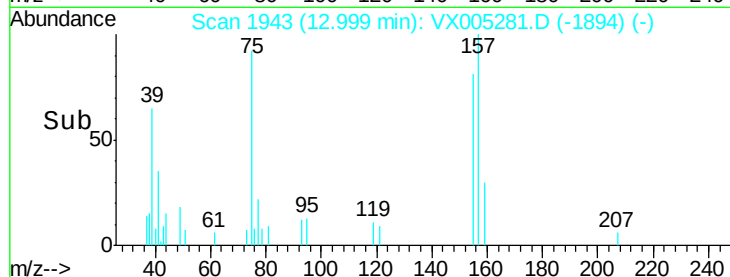
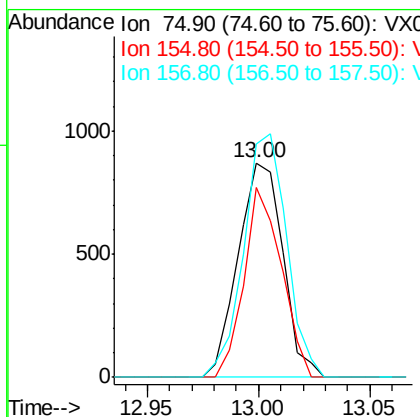
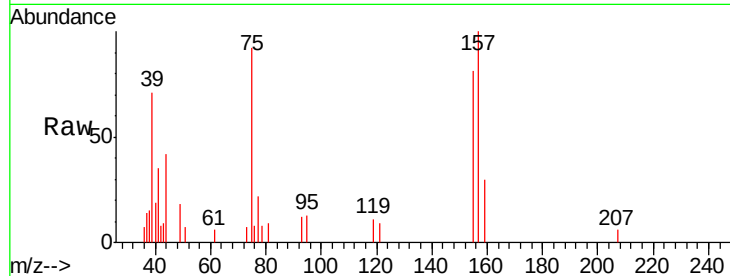
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.34 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	48.0	144.2
157	109.4	61.4	184.1

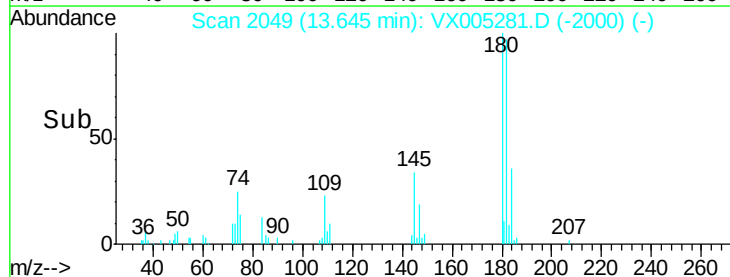
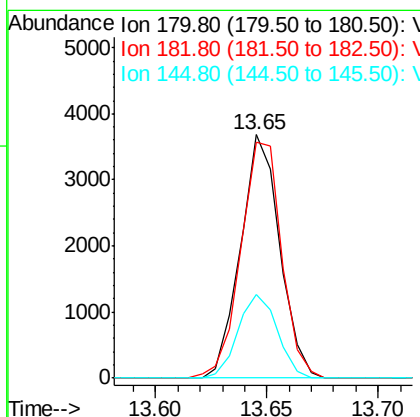
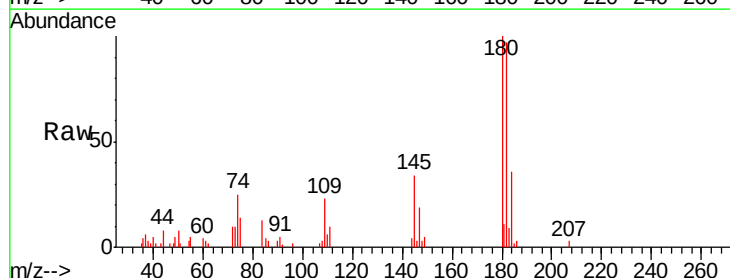
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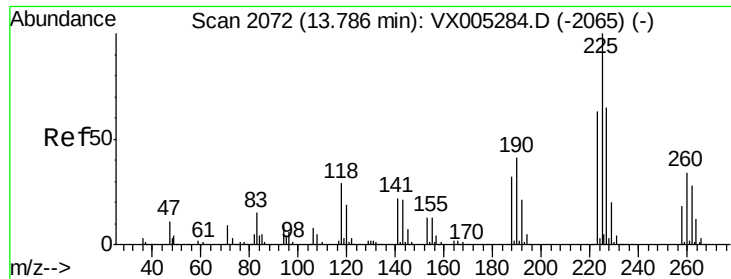
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.93 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.5	48.4	145.0
145	34.5	14.3	42.9





#94

Hexachlorobutadiene

Concen: 1.08 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Instrument :

MSVOA_X

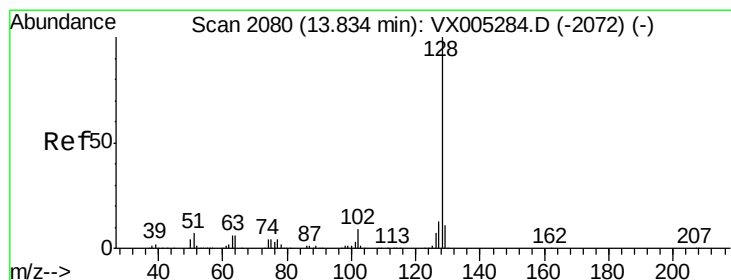
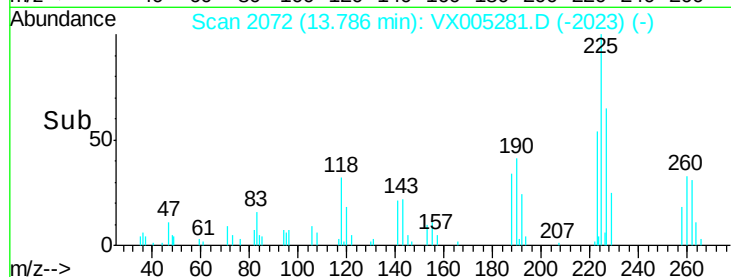
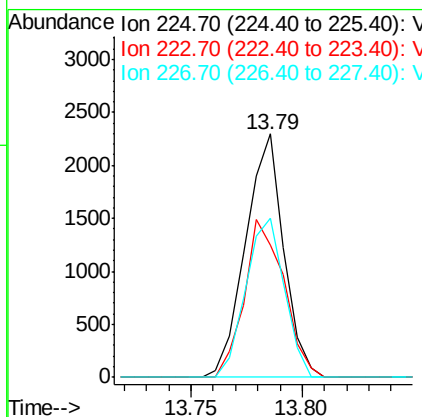
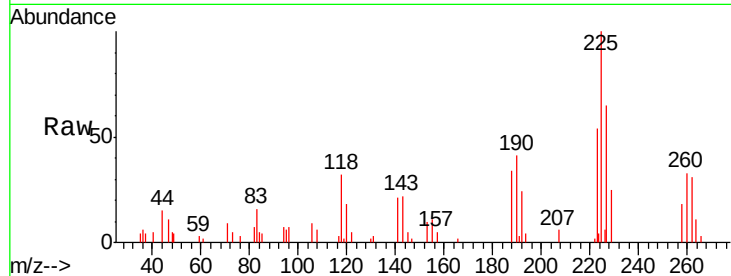
ClientSampleId :

VSTDIC001

Tgt Ion:	225	Resp:	2742
Ion Ratio	Lower	Upper	
225	100		
223	67.3	30.1	90.5
227	65.8	30.8	92.4

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#95

Naphthalene

Concen: 0.85 ug/l

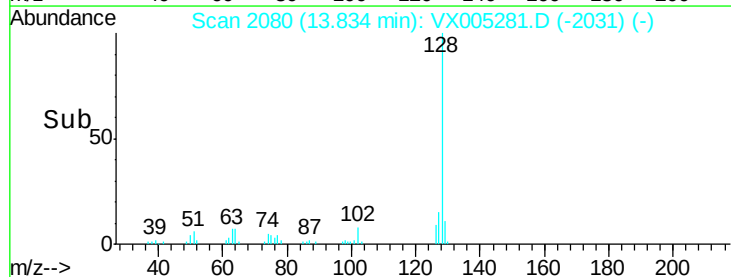
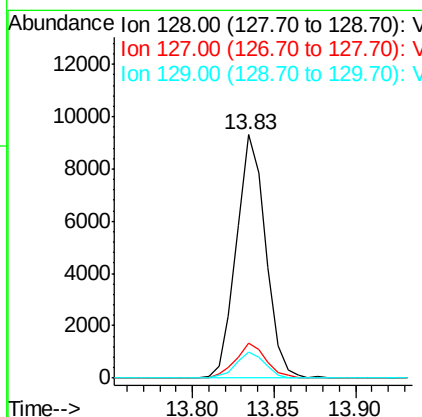
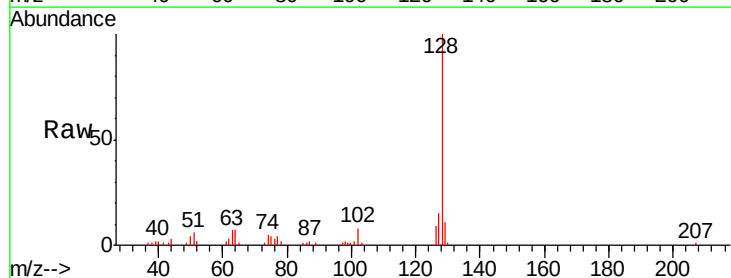
RT: 13.83 min Scan# 2080

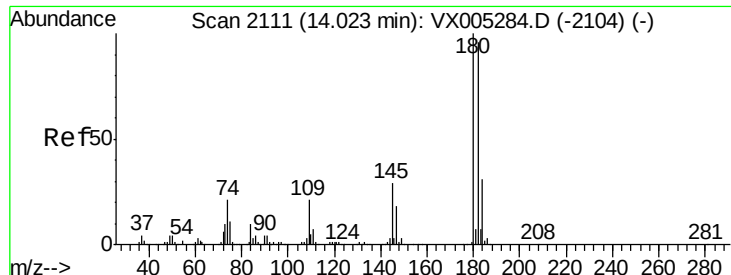
Delta R.T. -0.00 min

Lab File: VX005281.D

Acq: 12 Oct 2018 08:45

Tgt Ion:	128	Resp:	11631
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.2	15.2
129	10.7	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.95 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005281.D
 Acq: 12 Oct 2018 08:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4762		
182	99.6	48.5	145.6	
145	32.9	14.9	44.9	

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