

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005154.D
 Acq On : 09 Oct 2018 04:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:53 PM

Quant Time: Oct 09 08:24:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	193498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	262142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168571	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	136215	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	5.50	113	111939	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	8.72	98	394675	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.14	95	148885	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	138413	52.46	ug/l	99
3) Chloromethane	1.32	50	143938	44.97	ug/l	93
4) Vinyl Chloride	1.40	62	159374	53.09	ug/l	95
5) Bromomethane	1.64	94	101382	56.95	ug/l	96
6) Chloroethane	1.71	64	85823	52.58	ug/l	99
7) Trichlorofluoromethane	1.92	101	199826	53.77	ug/l	94
8) Diethyl Ether	2.18	74	83403	51.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	115679	54.64	ug/l	98
10) Methyl Iodide	2.51	142	125570	44.32	ug/l	93
11) Tert butyl alcohol	3.09	59	210111	271.86	ug/l	99
12) 1,1-Dichloroethene	2.37	96	108510	51.75	ug/l	89
13) Acrolein	2.29	56	74463	135.41	ug/l	91
14) Allyl chloride	2.72	41	231107	50.52	ug/l	95
15) Acrylonitrile	3.15	53	464846	273.22	ug/l	97
16) Acetone	2.45	43	403355	249.95	ug/l	92
17) Carbon Disulfide	2.57	76	267393	42.44	ug/l	99
18) Methyl Acetate	2.78	43	285334	69.79	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	417644	57.75	ug/l	95
20) Methylene Chloride	2.85	84	129592	55.32	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	115851	50.48	ug/l	98
22) Diisopropyl ether	3.88	45	430526	55.89	ug/l	# 93
23) Vinyl Acetate	3.82	43	1787113	253.45	ug/l	95
24) 1,1-Dichloroethane	3.70	63	242196	52.71	ug/l	99
25) 2-Butanone	4.71	43	634855	266.89	ug/l	97
26) 2,2-Dichloropropane	4.58	77	112642	35.20	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	131732	51.38	ug/l	99
28) Bromochloromethane	5.02	49	107084	49.49	ug/l	98
29) Tetrahydrofuran	5.16	42	399895	270.48	ug/l	99
30) Chloroform	5.21	83	219421	50.52	ug/l	100
31) Cyclohexane	5.58	56	192697	54.79	ug/l	# 78
32) 1,1,1-Trichloroethane	5.49	97	189328	53.38	ug/l	96
36) 1,1-Dichloropropene	5.79	75	151725	48.76	ug/l	94
37) Ethyl Acetate	4.85	43	216719	52.47	ug/l	99
38) Carbon Tetrachloride	5.78	117	162676	49.74	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	164319	51.72	ug/l #	85
40) Benzene	6.13	78	501900	51.52	ug/l	90
41) Methacrylonitrile	5.06	41	125342	54.72	ug/l	98
42) 1,2-Dichloroethane	6.20	62	175991	51.11	ug/l	98
43) Isopropyl Acetate	6.47	43	317626	53.28	ug/l	97
44) Trichloroethene	7.21	130	124249	51.88	ug/l	97
45) 1,2-Dichloropropane	7.52	63	126234	52.84	ug/l	98
46) Dibromomethane	7.66	93	81400	54.22	ug/l	100
47) Bromodichloromethane	7.90	83	160606	57.14	ug/l	99
48) Methyl methacrylate	7.78	41	160721	59.40	ug/l	99
49) 1,4-Dioxane	7.76	88	73760	1097.24	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1123648	299.35	ug/l	99
52) Toluene	8.79	92	288753	53.95	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	166149	52.31	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	180536	54.26	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	126620	54.00	ug/l	95
56) Ethyl methacrylate	9.18	69	193060	50.70	ug/l	98
57) 1,3-Dichloropropane	9.37	76	209609	53.71	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	531836	262.50	ug/l	99
59) 2-Hexanone	9.50	43	890827	284.80	ug/l	96
60) Dibromochloromethane	9.59	129	131720	56.17	ug/l	99
61) 1,2-Dibromoethane	9.67	107	128257	51.08	ug/l	95
64) Tetrachloroethene	9.34	164	132246	51.26	ug/l	97
65) Chlorobenzene	10.14	112	331363	49.29	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	124198	52.56	ug/l	99
67) Ethyl Benzene	10.25	91	558645	52.35	ug/l	95
68) m/p-Xylenes	10.36	106	435741	104.49	ug/l	95
69) o-Xylene	10.70	106	210717	55.01	ug/l	99
70) Styrene	10.71	104	361006	50.37	ug/l	99
71) Bromoform	10.86	173	110692	54.71	ug/l #	97
73) Isopropylbenzene	11.02	105	580192	54.60	ug/l	99
74) N-amyl acetate	10.90	43	278493	47.77	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	211084	48.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	193184m	51.13	ug/l	
77) Bromobenzene	11.26	156	158474	51.35	ug/l	98
78) n-propylbenzene	11.36	91	662665	54.36	ug/l	99
79) 2-Chlorotoluene	11.42	91	398759	52.48	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	494536	50.78	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52686	38.51	ug/l	100
82) 4-Chlorotoluene	11.51	91	470128	52.56	ug/l	99
83) tert-Butylbenzene	11.77	119	491707	56.21	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	514204	51.21	ug/l	99
85) sec-Butylbenzene	11.94	105	598189	56.14	ug/l	100
86) p-Isopropyltoluene	12.07	119	533520	55.26	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	291676	50.61	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	296059	49.77	ug/l	100
89) n-Butylbenzene	12.39	91	468303	53.41	ug/l	100
90) Hexachloroethane	12.60	117	87884	54.68	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	298875	49.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51467	54.19	ug/l	99

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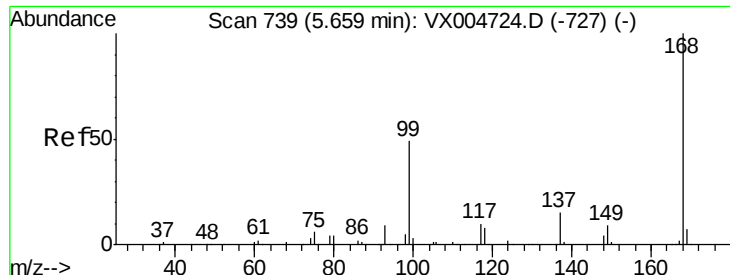
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	226387	53.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	112762	51.47	ug/l	99
95) Naphthalene	13.83	128	715259	51.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	233188	53.43	ug/l	100

(#) = 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. 0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 193498

Ion Ratio Lower Upper

168 100

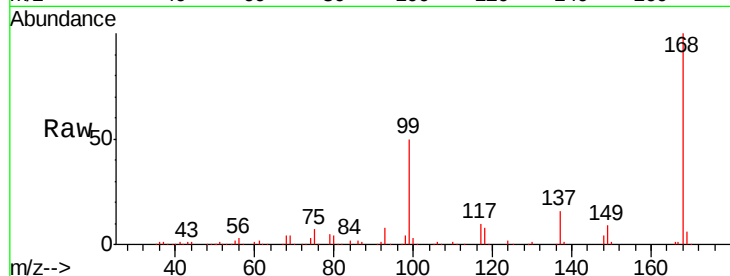
99 49.7 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

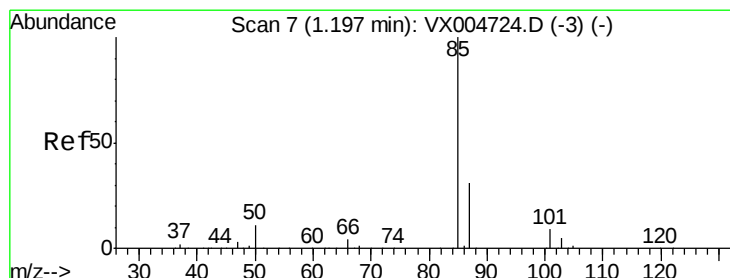
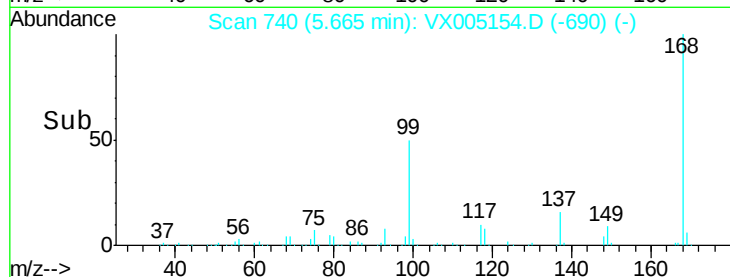
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.46 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005154.D

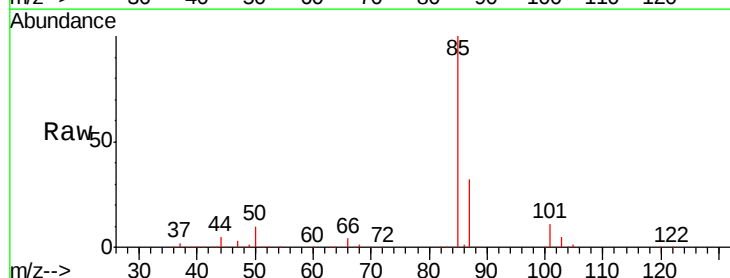
Acq: 09 Oct 2018 04:03

Tgt Ion: 85 Resp: 138413

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

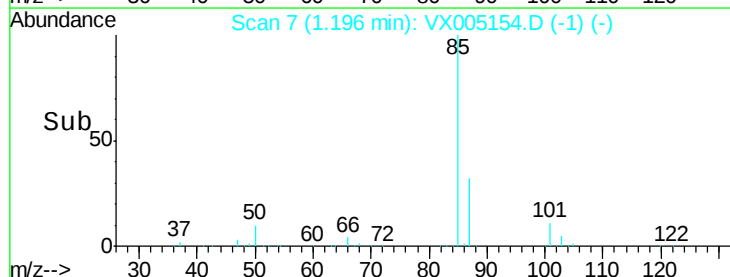
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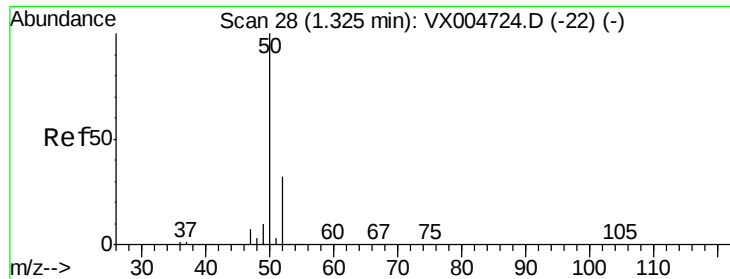
100000

50000

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Time-->





#3

Chloromethane

Concen: 44.97 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 143938

Ion Ratio Lower Upper

50 100

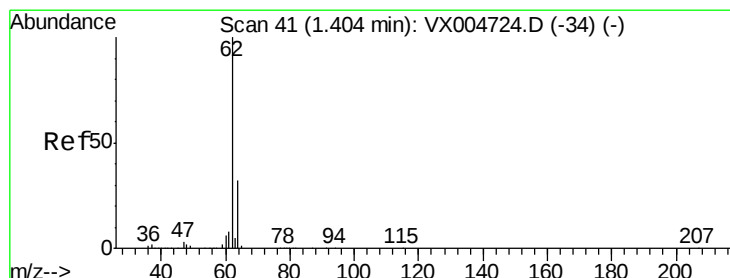
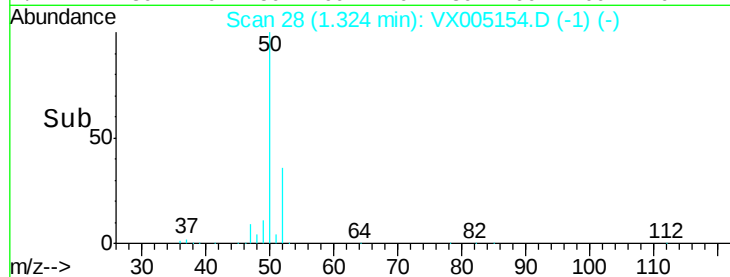
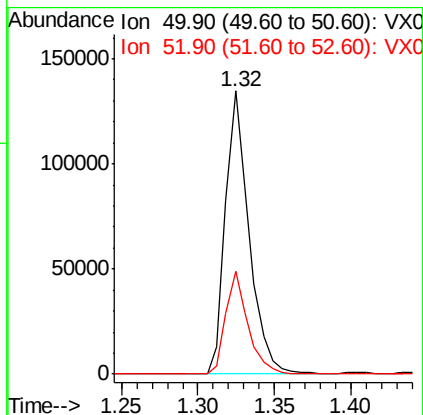
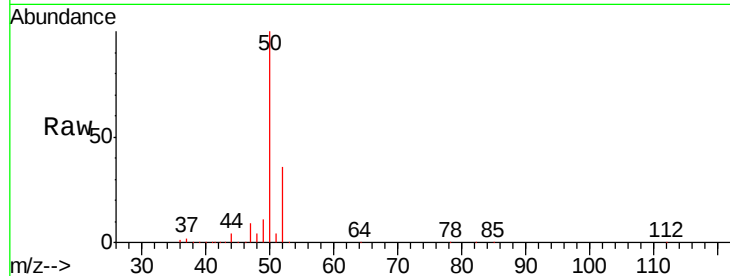
52 36.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.09 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005154.D

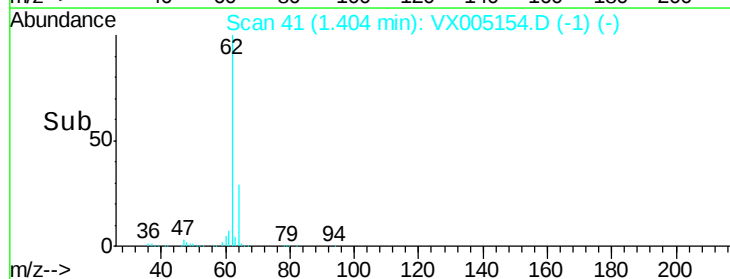
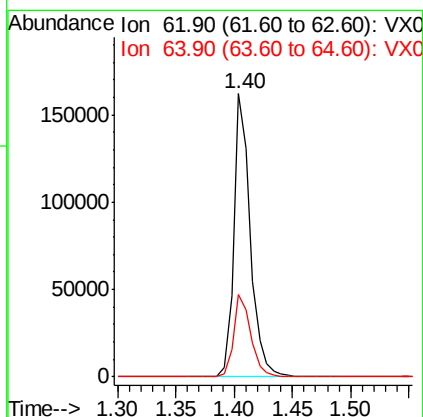
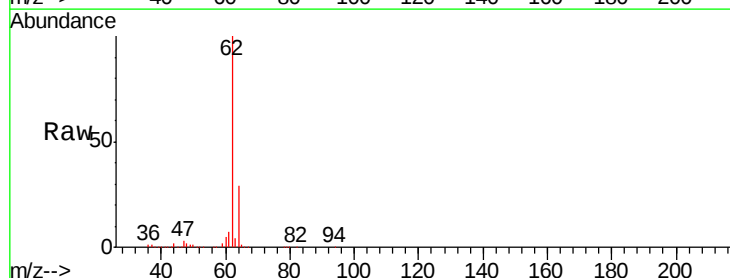
Acq: 09 Oct 2018 04:03

Tgt Ion: 62 Resp: 159374

Ion Ratio Lower Upper

62 100

64 29.0 25.5 38.3





#5

Bromomethane

Concen: 56.95 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 101382

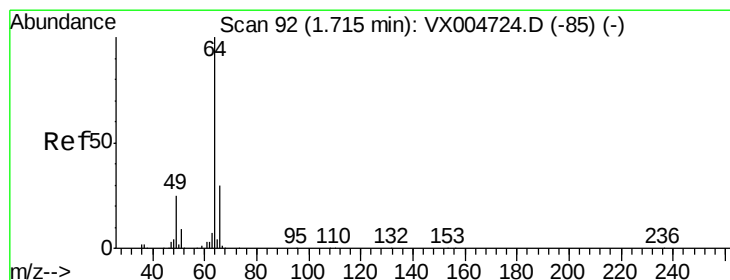
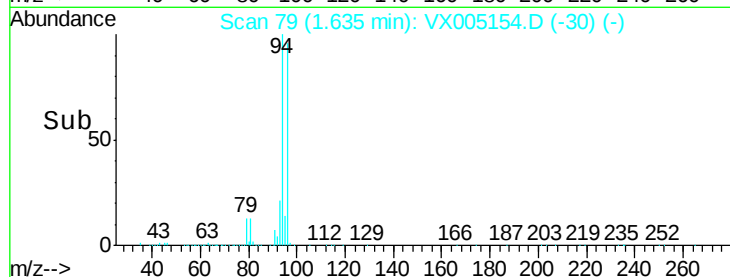
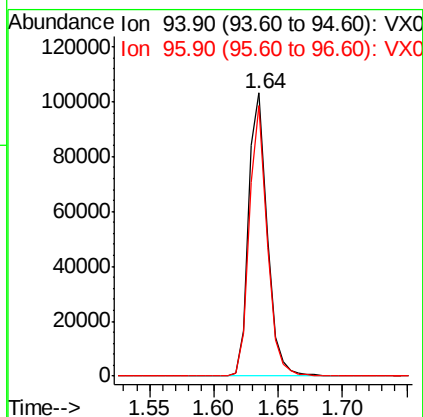
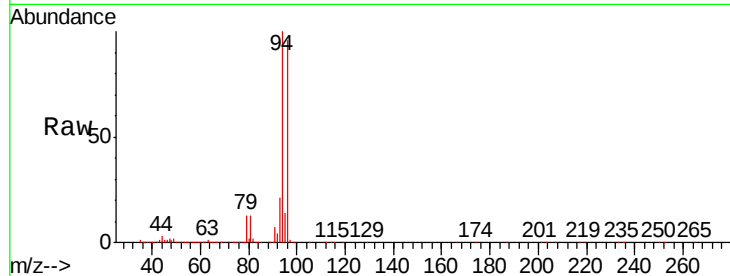
Ion Ratio Lower Upper

94 100

96 95.6 79.5 119.3

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#6

Chloroethane

Concen: 52.58 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005154.D

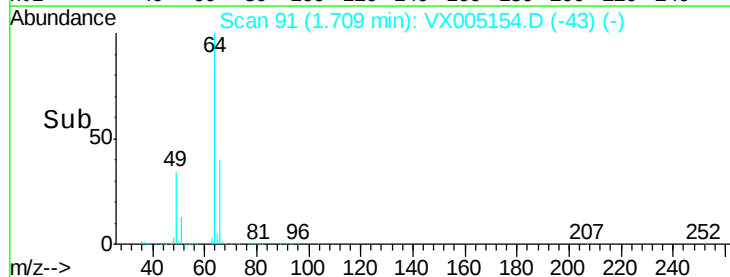
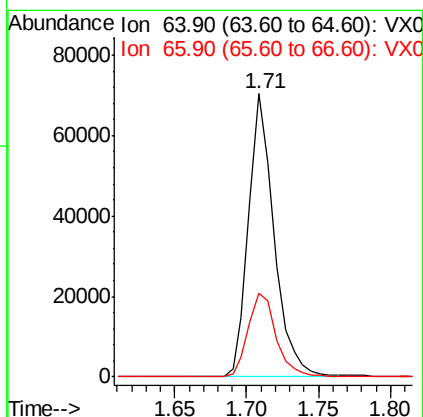
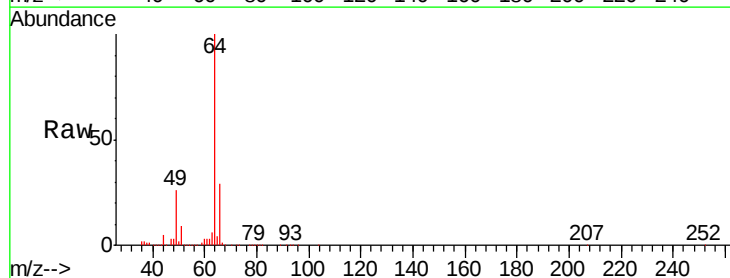
Acq: 09 Oct 2018 04:03

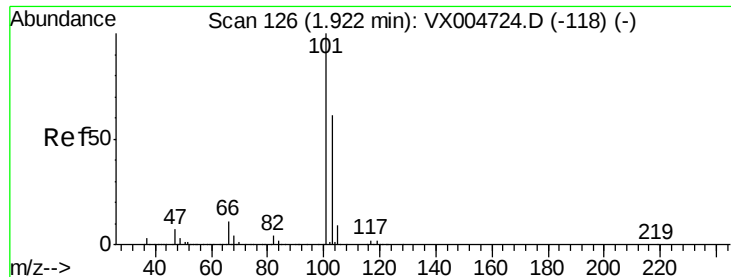
Tgt Ion: 64 Resp: 85823

Ion Ratio Lower Upper

64 100

66 29.2 23.8 35.6





#7

Trichlorofluoromethane

Concen: 53.77 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

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Tgt Ion:101 Resp: 199826

Ion Ratio Lower Upper

101 100

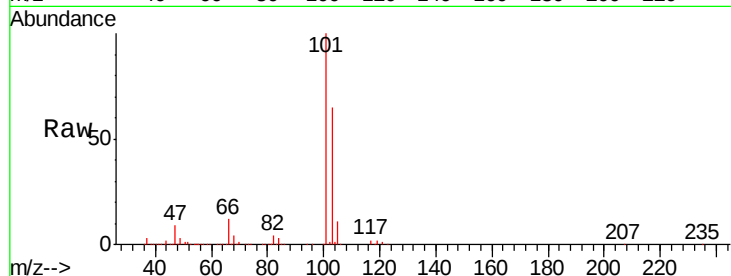
103 64.7 48.4 72.6

Manual Integrations

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10/9/2018 1:47:53 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

100000

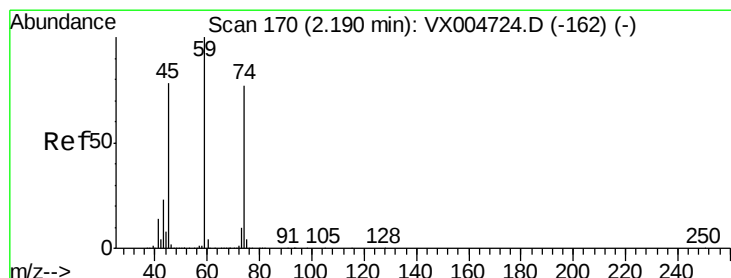
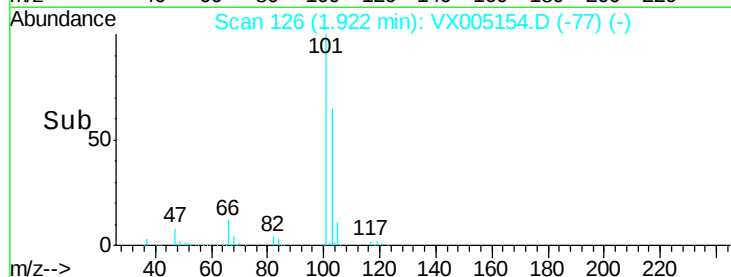
50000

0

1.92

1.80 1.90 2.00 2.10

Time-->



#8

Diethyl Ether

Concen: 51.66 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005154.D

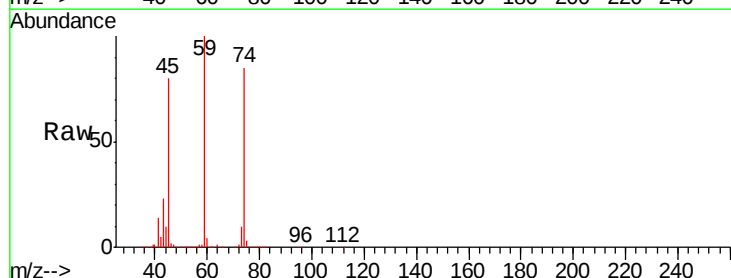
Acq: 09 Oct 2018 04:03

Tgt Ion: 74 Resp: 83403

Ion Ratio Lower Upper

74 100

45 106.0 52.5 157.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

60000

40000

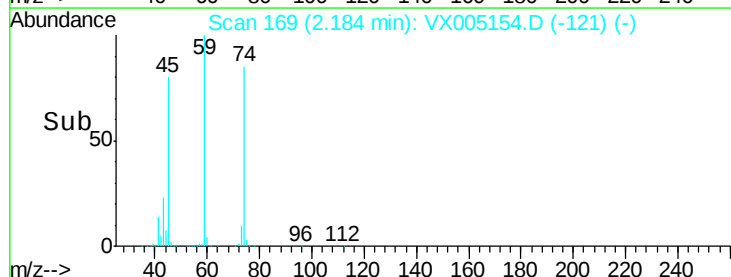
20000

0

2.18

2.10 2.20 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.64 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

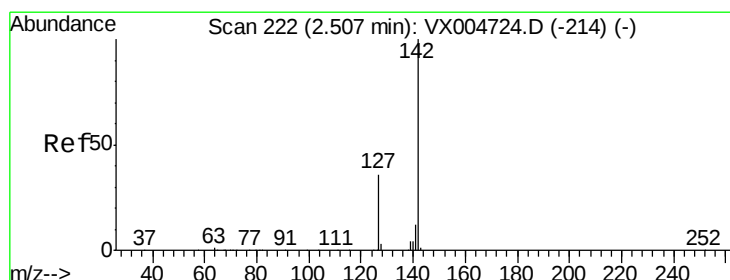
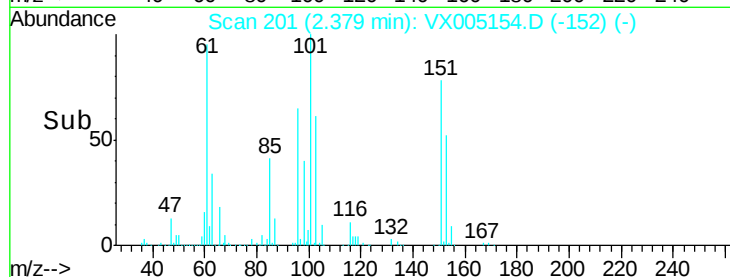
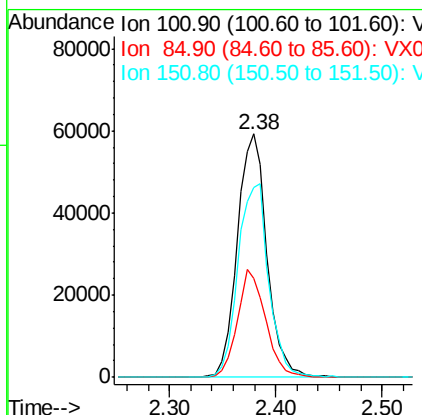
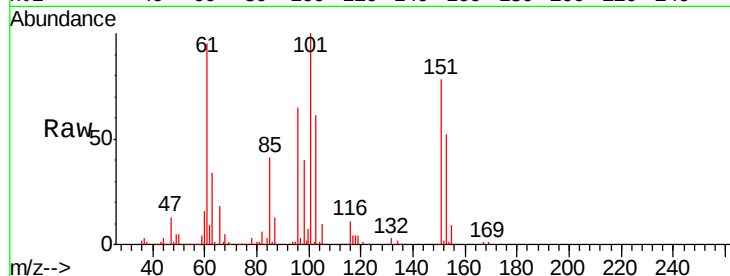
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	115679
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.9	53.9
151	82.7	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 44.32 ug/l

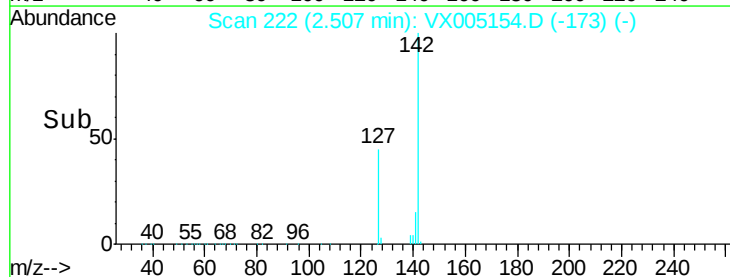
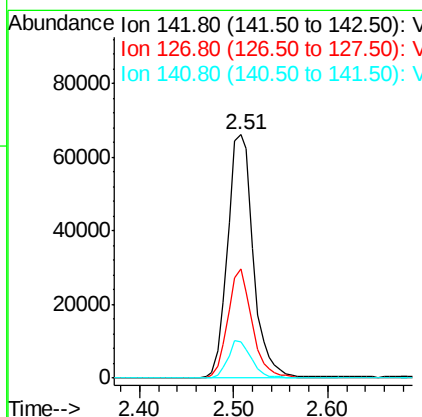
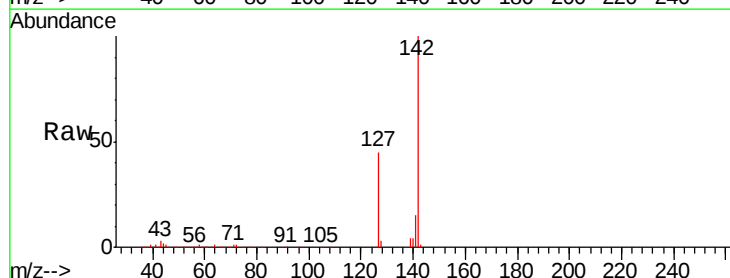
RT: 2.51 min Scan# 222

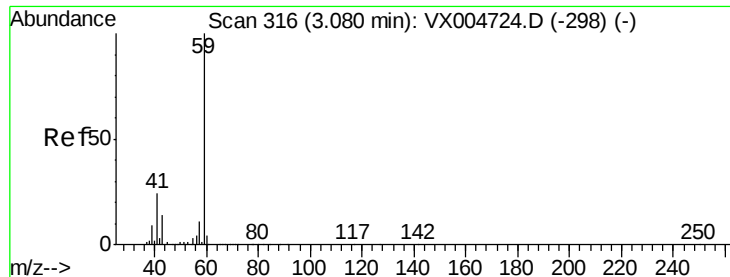
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	142	Resp:	125570
Ion Ratio	Lower	Upper	
142	100		
127	42.3	30.1	45.1
141	14.3	10.1	15.1





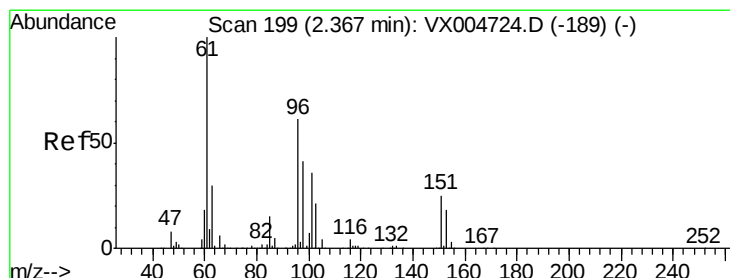
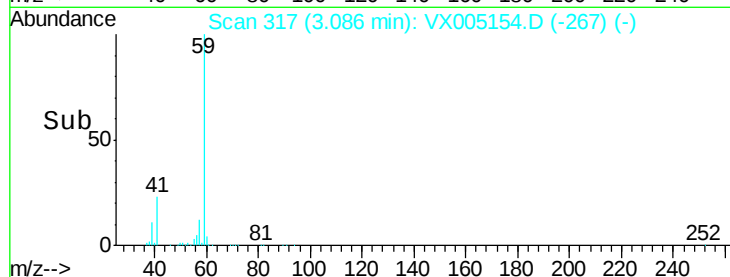
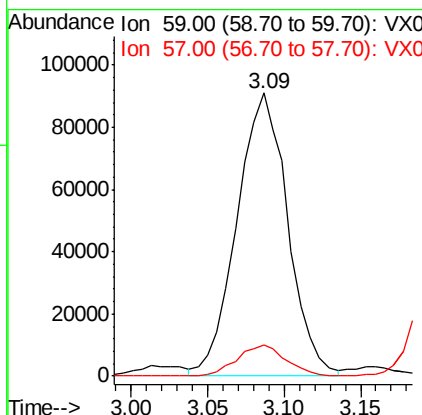
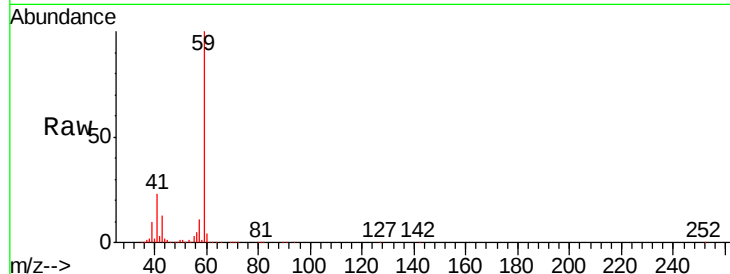
#11
Tert butyl alcohol
Concen: 271.86 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

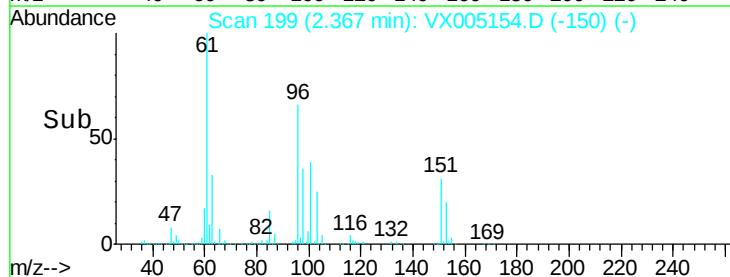
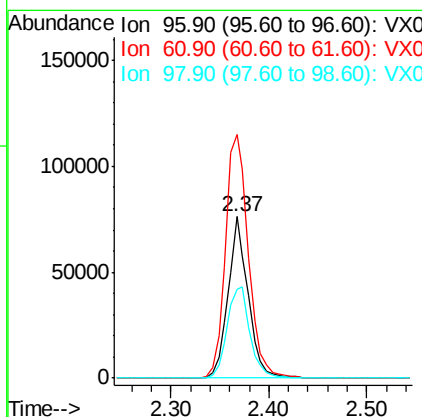
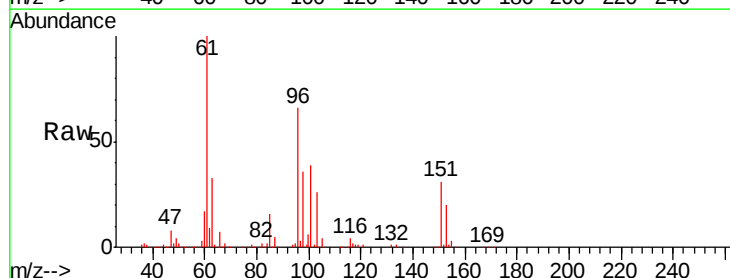
Manual Integrations
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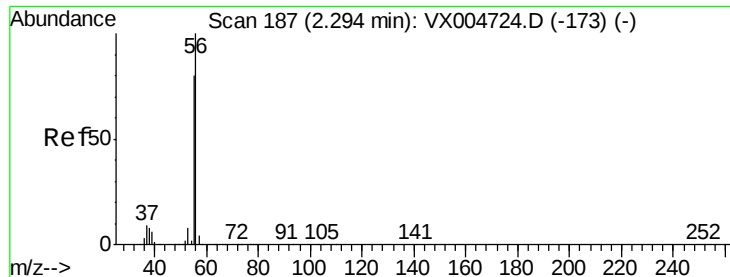
MMDadoda
10/9/2018 1:47:53 PM



#12
1,1-Dichloroethene
Concen: 51.75 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	130.2	195.4
98	54.5	53.4	80.0





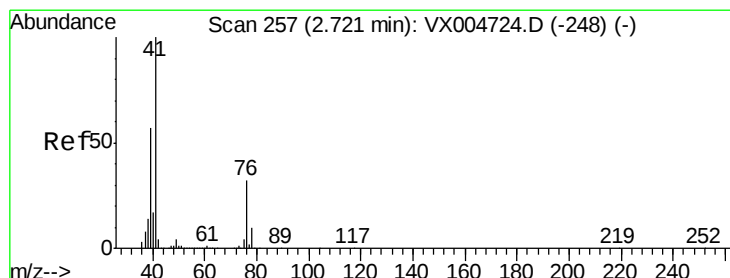
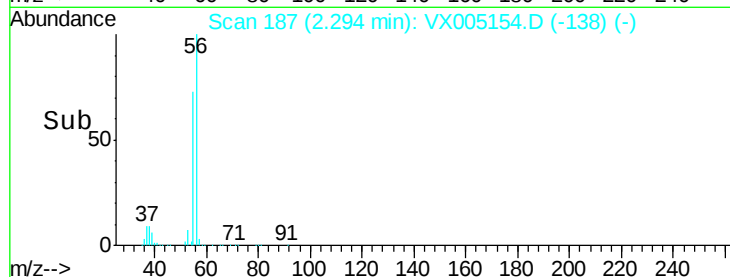
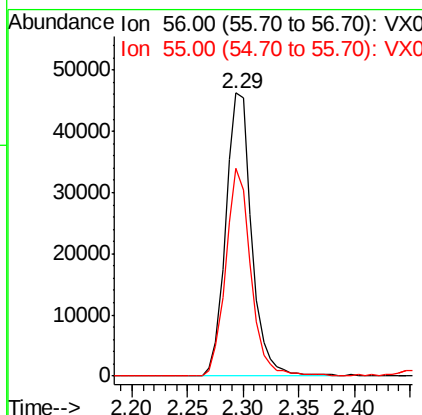
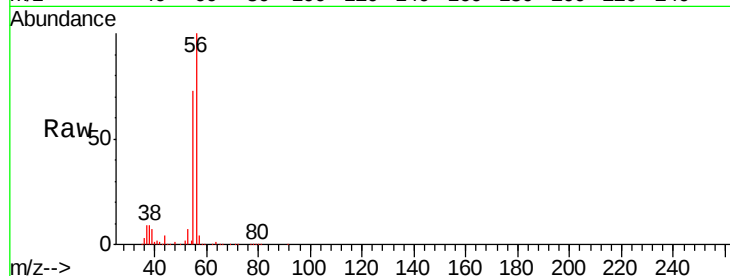
#13
Acrolein
Concen: 135.41 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.7	63.4	95.2

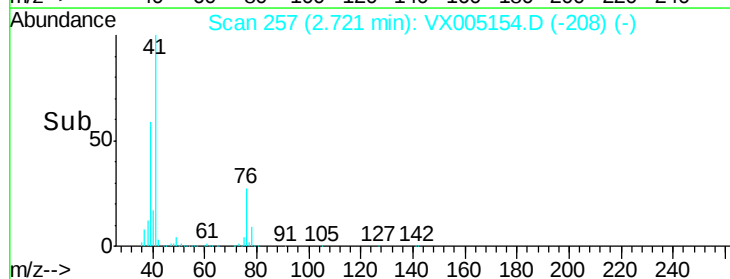
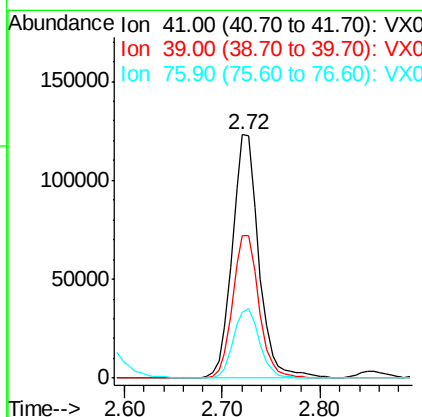
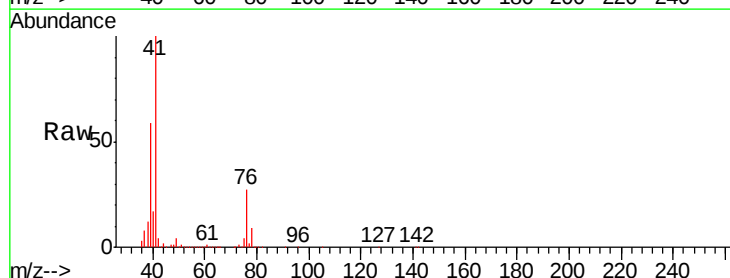
Manual Integrations
APPROVED

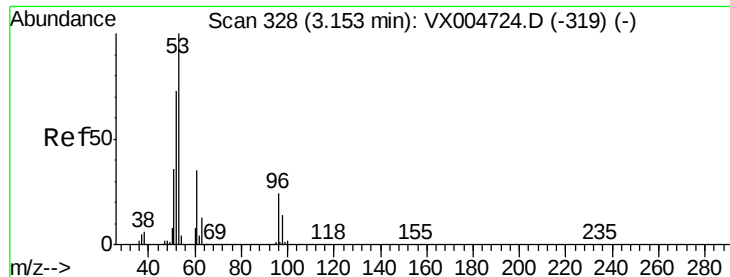
MMDadoda
10/9/2018 1:47:53 PM



#14
Allyl chloride
Concen: 50.52 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.4	44.1	66.1
76	28.4	25.0	37.4





#15

Acrylonitrile

Concen: 273.22 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

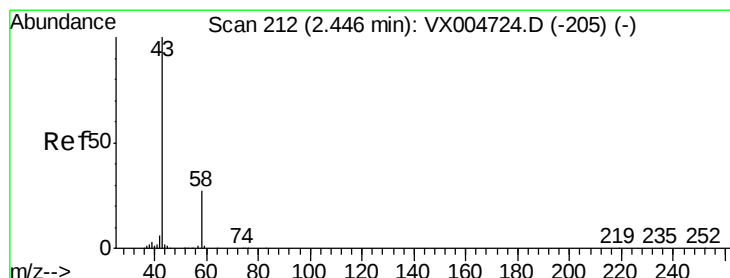
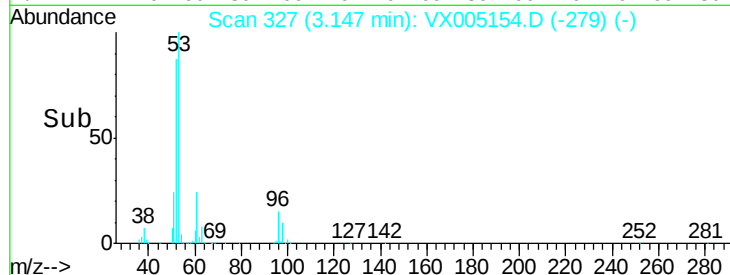
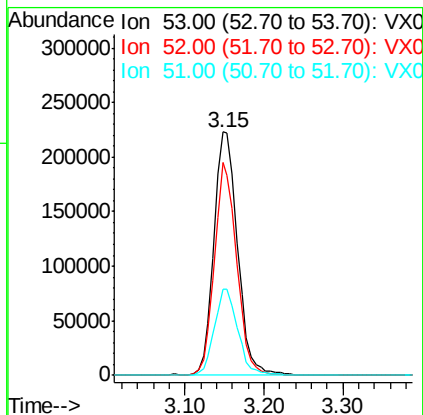
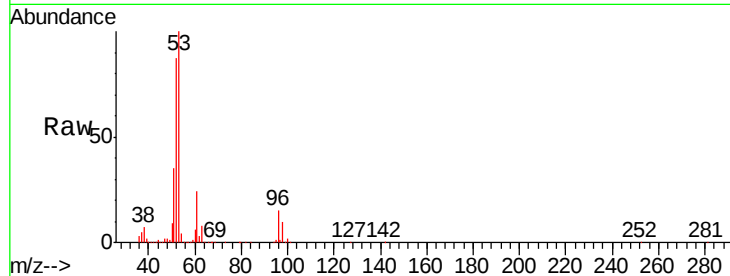
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	464846
Ion	Ratio	Lower	Upper
53	100		
52	82.0	63.0	94.4
51	35.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 249.95 ug/l

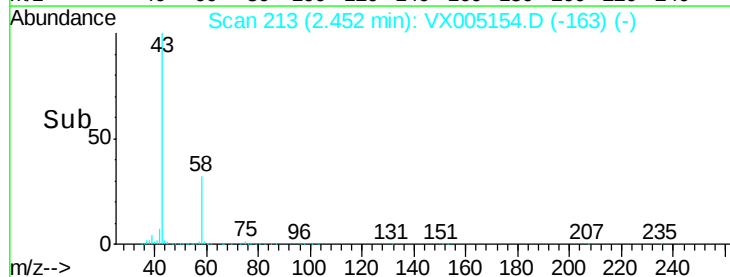
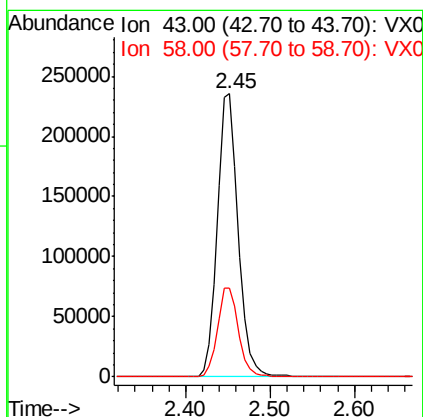
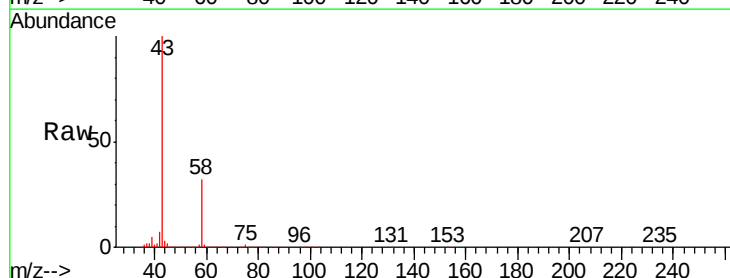
RT: 2.45 min Scan# 213

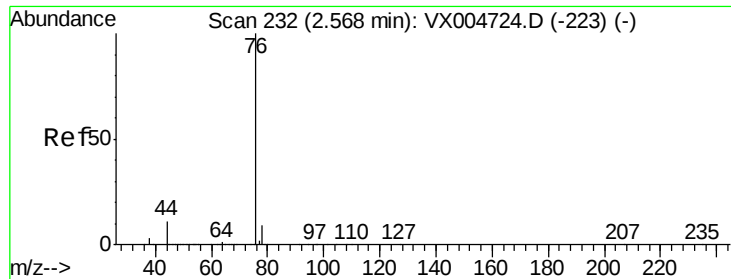
Delta R.T. 0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	43	Resp:	403355
Ion	Ratio	Lower	Upper
43	100		
58	31.5	21.8	32.6





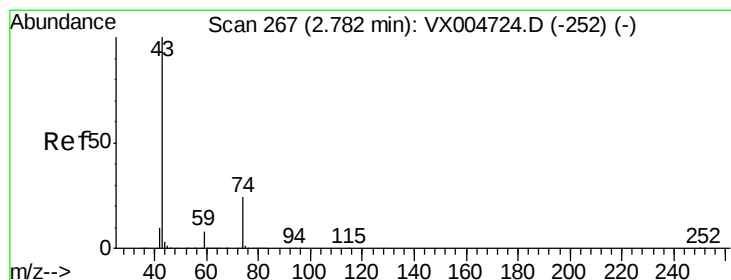
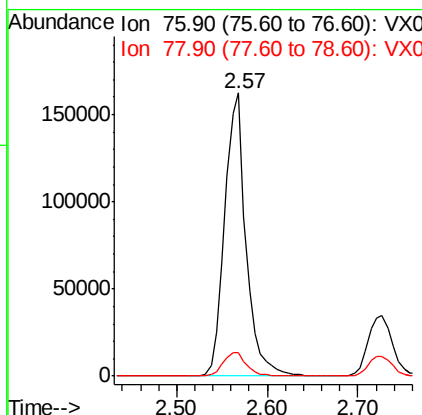
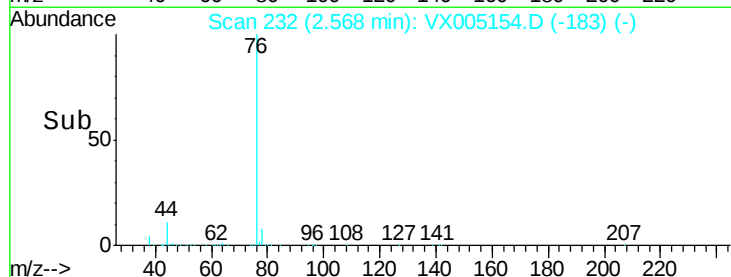
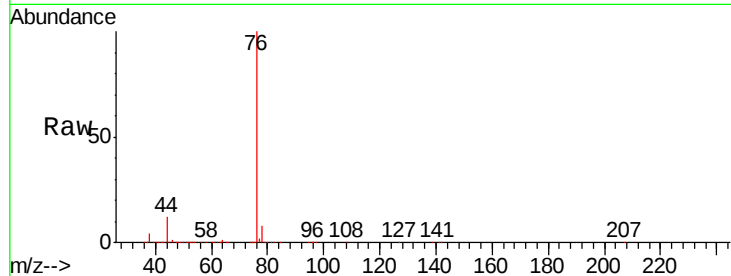
#17
Carbon Disulfide
Concen: 42.44 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

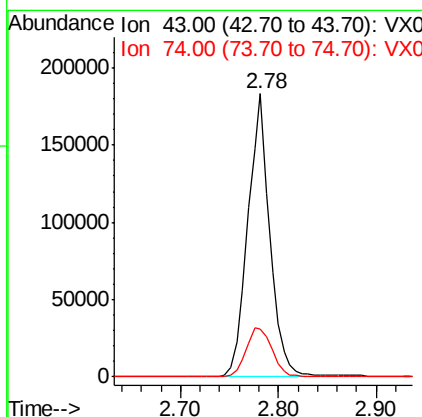
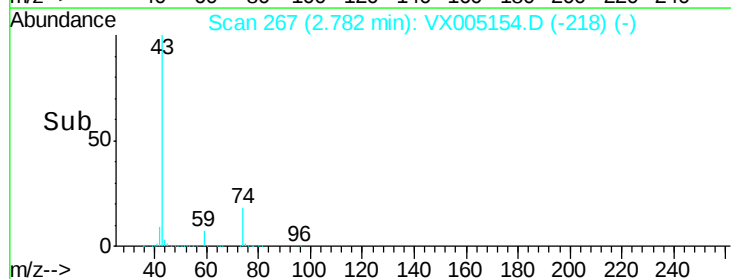
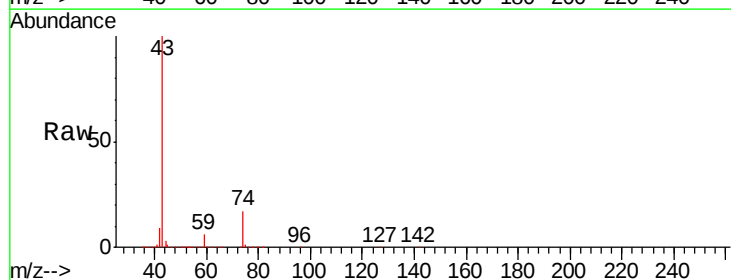
Manual Integrations
APPROVED

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10/9/2018 1:47:53 PM



#18
Methyl Acetate
Concen: 69.79 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.8	26.8





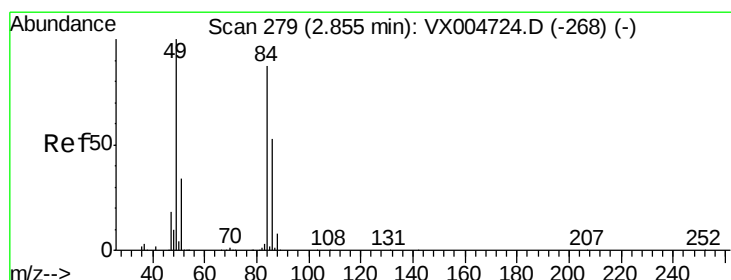
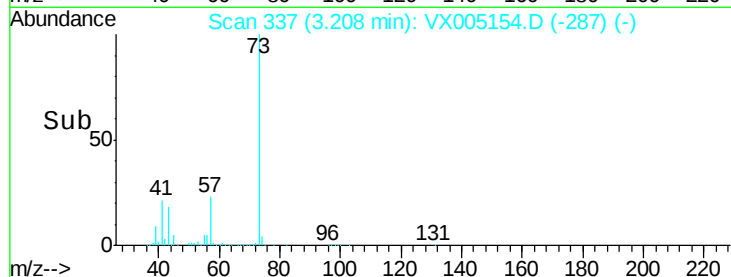
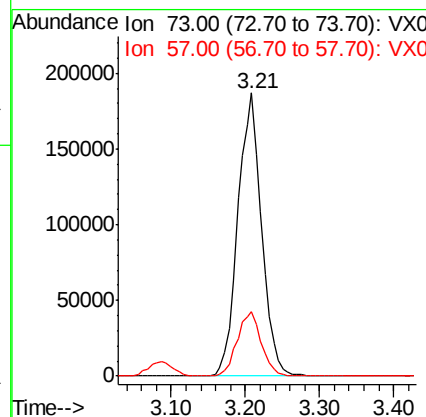
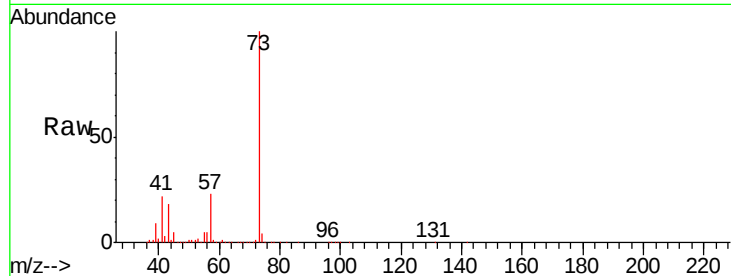
#19
Methyl tert-butyl Ether
Concen: 57.75 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	19.9	29.9

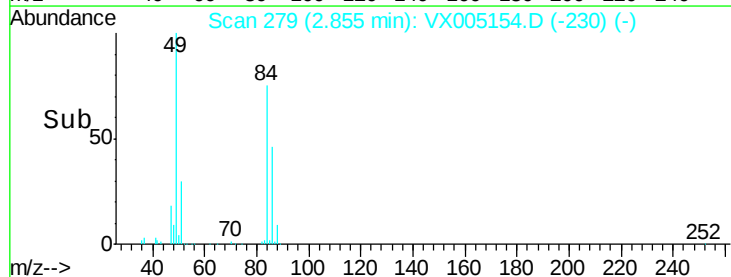
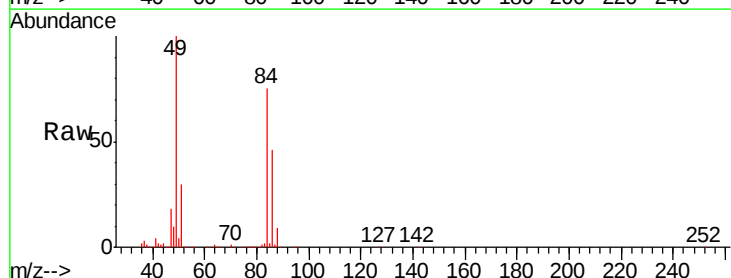
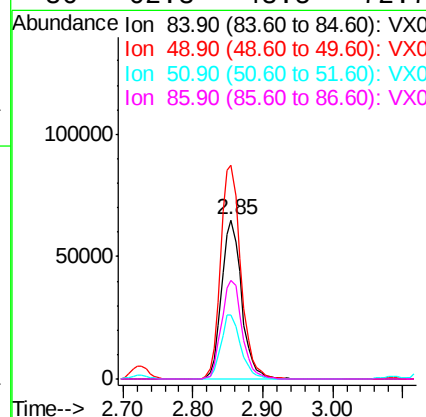
Manual Integrations
APPROVED

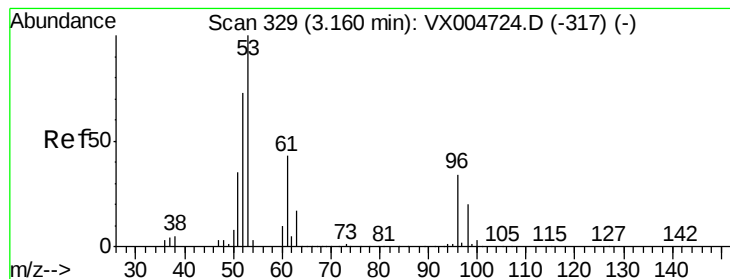
MMDadoda
10/9/2018 1:47:53 PM



#20
Methylene Chloride
Concen: 55.32 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.1	92.3	138.5
51	40.6	31.8	47.6
86	62.3	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 50.48 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 115851

Ion Ratio Lower Upper

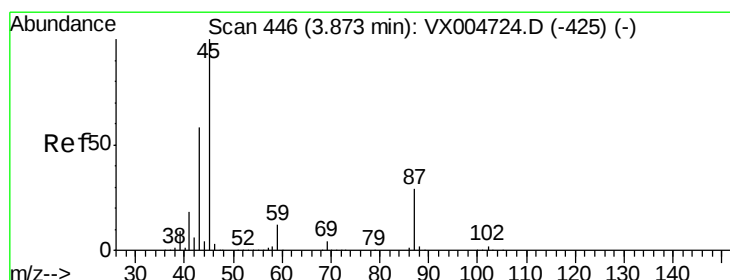
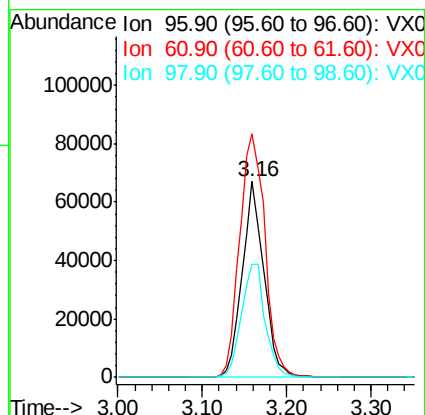
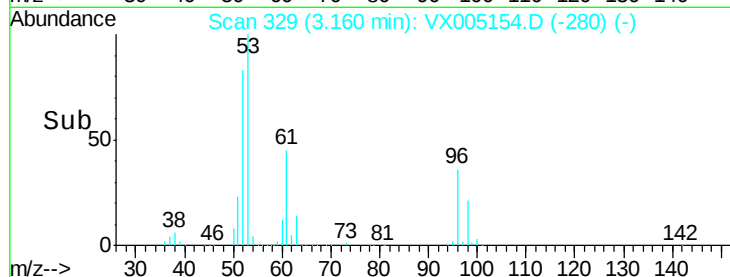
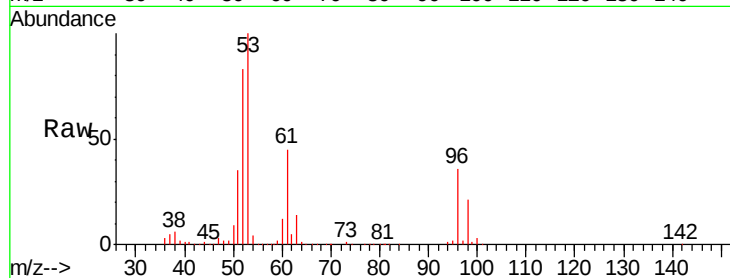
96 100

61 123.9 101.0 151.6

98 57.7 47.2 70.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.89 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion: 45 Resp: 430526

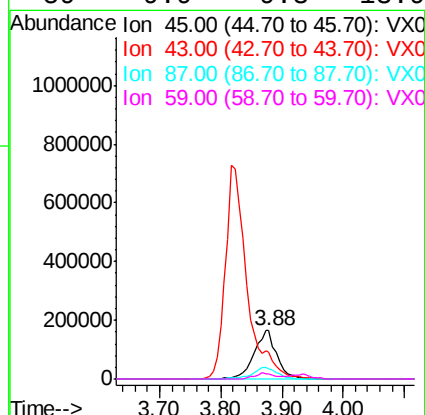
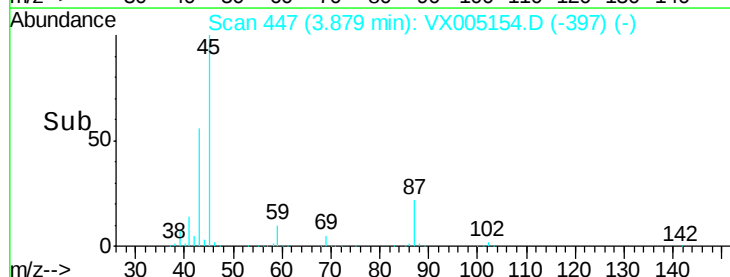
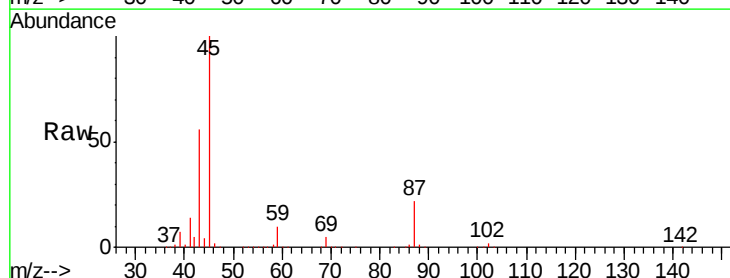
Ion Ratio Lower Upper

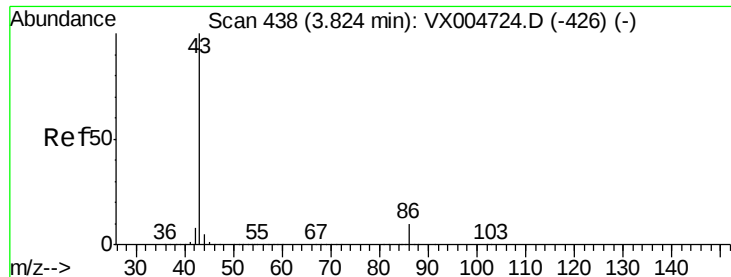
45 100

43 55.5 46.7 70.1

87 21.6 22.9 34.3#

59 9.9 9.3 13.9





#23

Vinyl Acetate

Concen: 253.45 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1787113

Ion Ratio Lower Upper

43 100

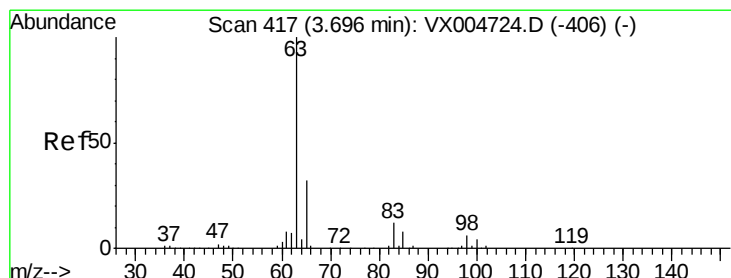
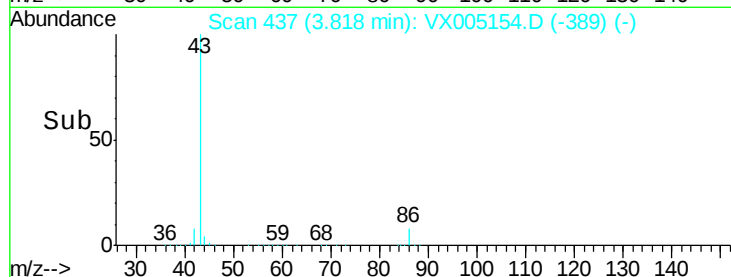
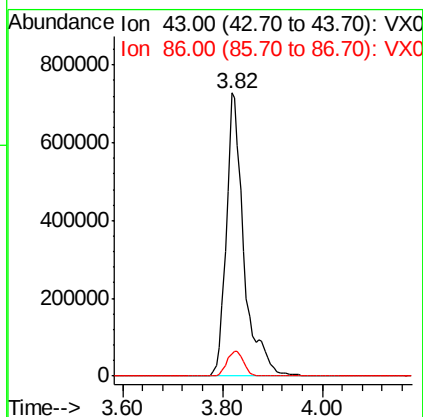
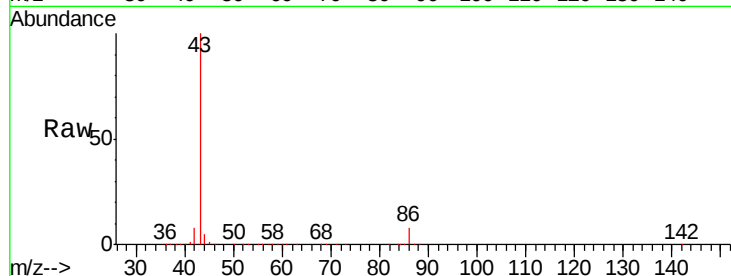
86 8.1 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.71 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

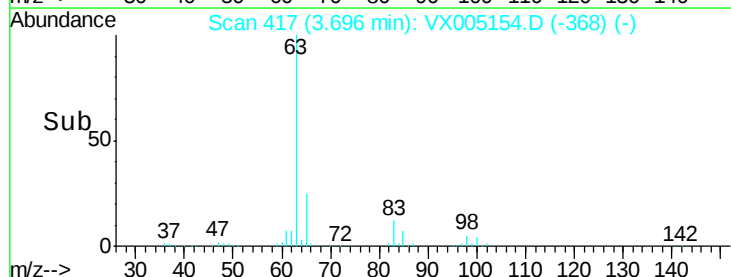
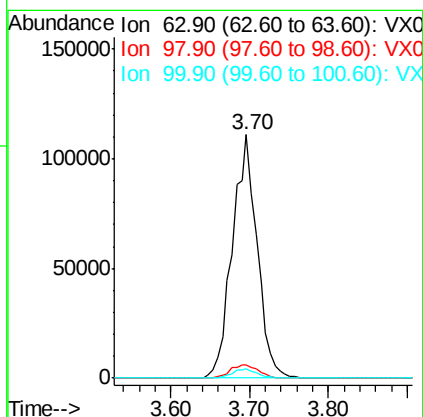
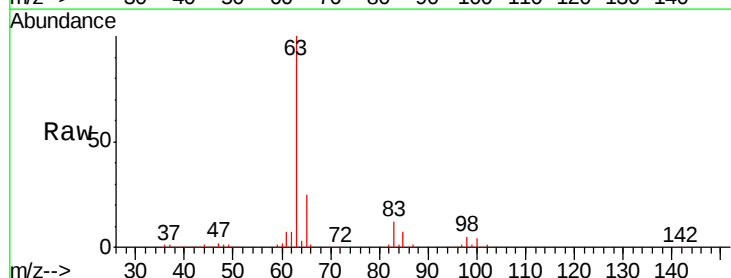
Tgt Ion: 63 Resp: 242196

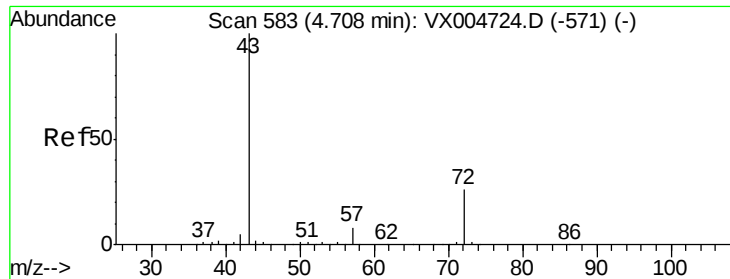
Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 266.89 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 634855

Ion Ratio Lower Upper

43 100

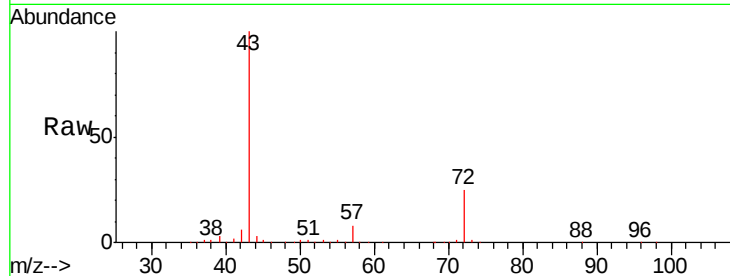
72 24.5 20.8 31.2

Manual Integrations

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10/9/2018 1:47:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

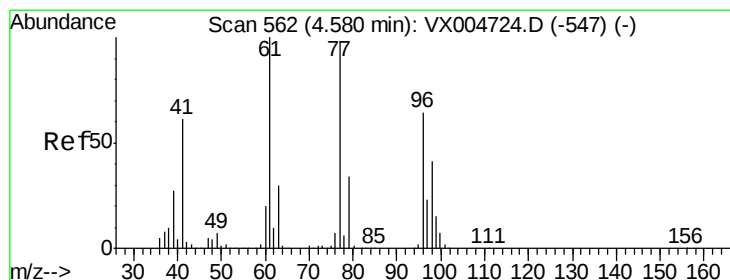
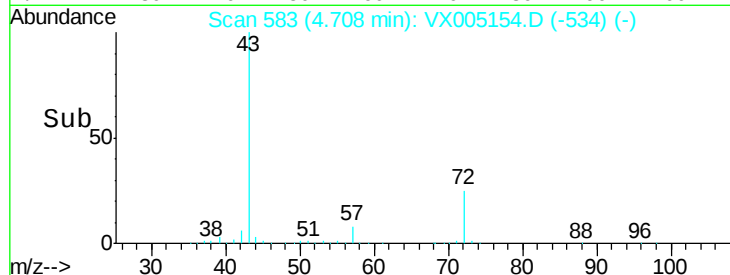
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 35.20 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005154.D

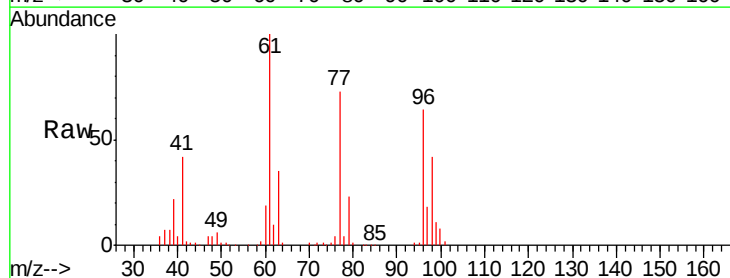
Acq: 09 Oct 2018 04:03

Tgt Ion: 77 Resp: 112642

Ion Ratio Lower Upper

77 100

97 26.1 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

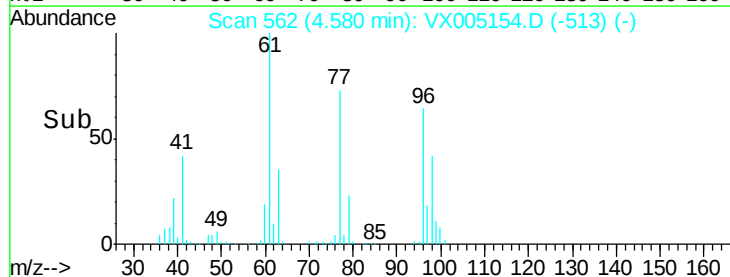
20000

10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.38 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

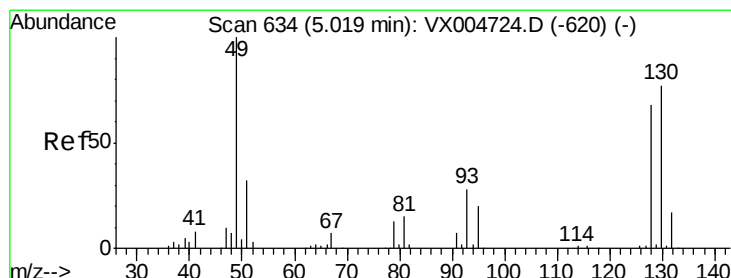
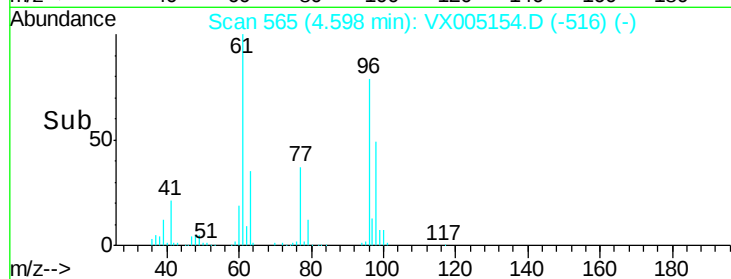
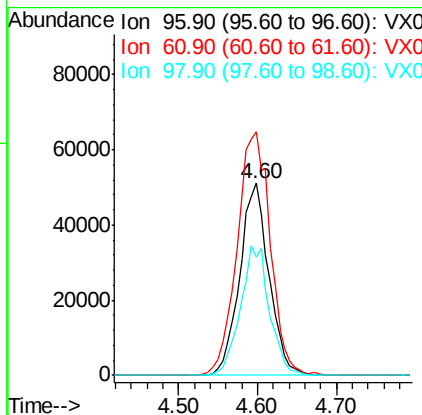
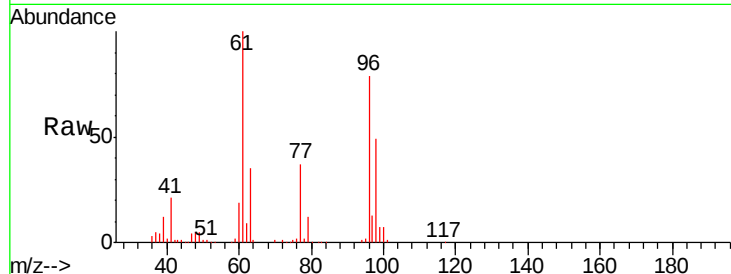
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	131732
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	285.8
98	66.8	0.0	136.2

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#28

Bromochloromethane

Concen: 49.49 ug/l

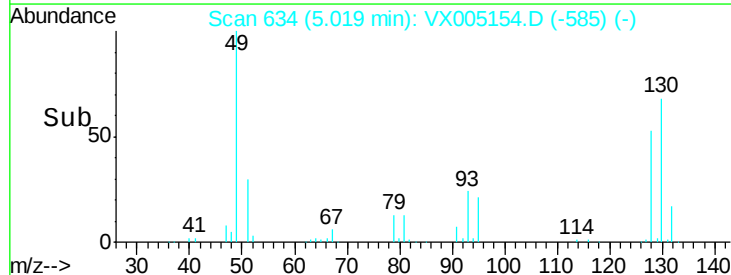
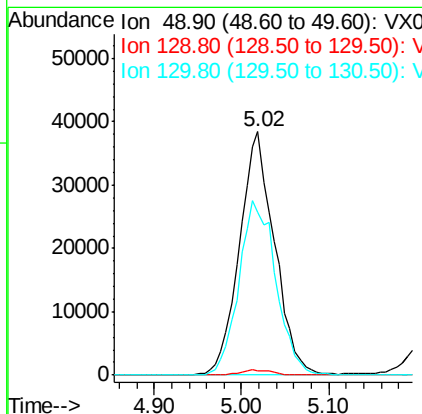
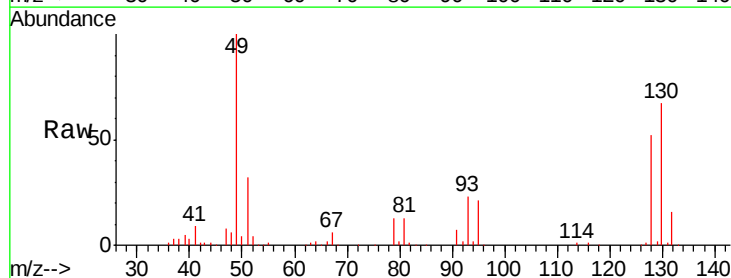
RT: 5.02 min Scan# 634

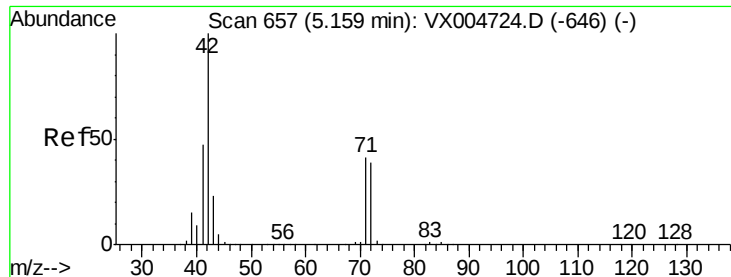
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	49	Resp:	107084
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	76.0	62.0	93.0





#29

Tetrahydrofuran

Concen: 270.48 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

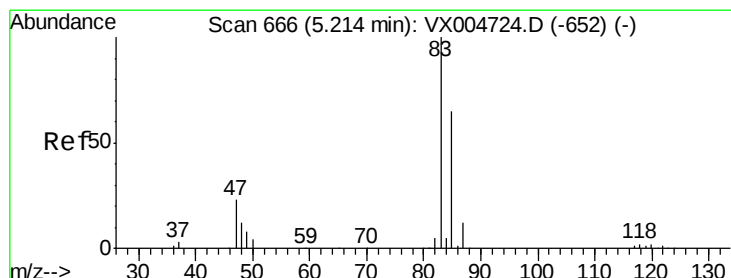
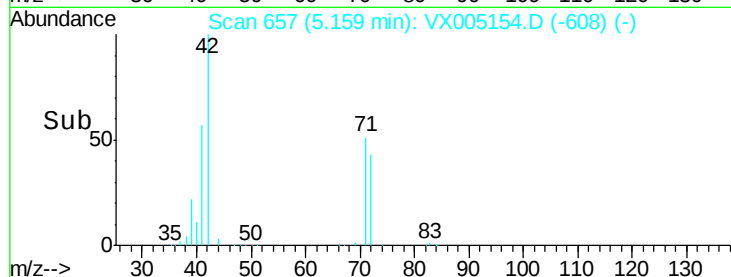
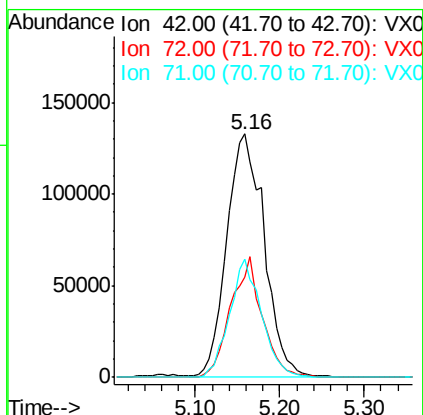
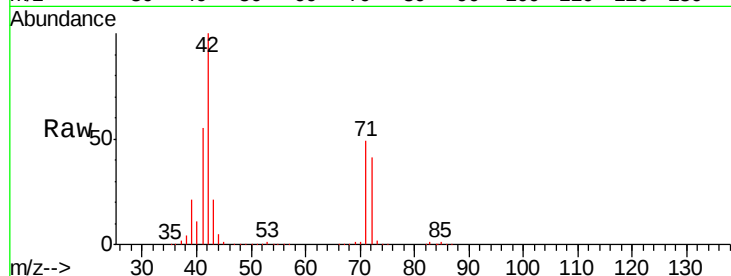
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	42	Resp:	399895
Ion Ratio		Lower	Upper
42	100		
72	41.7	33.7	50.5
71	41.8	32.2	48.4

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#30

Chloroform

Concen: 50.52 ug/l

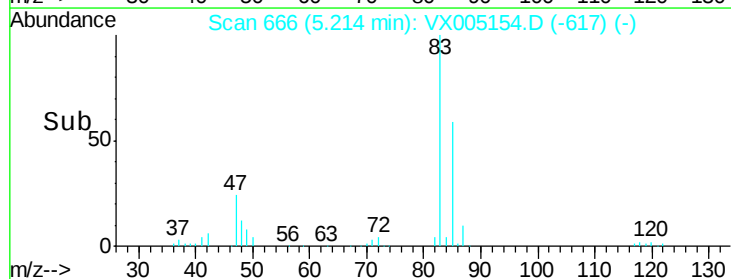
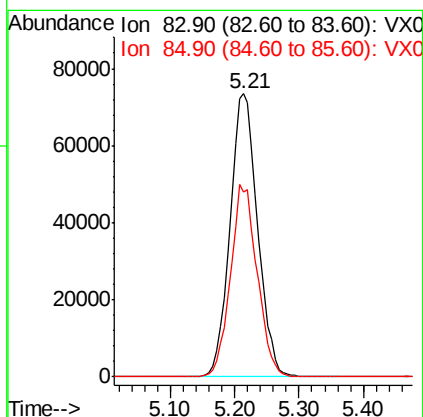
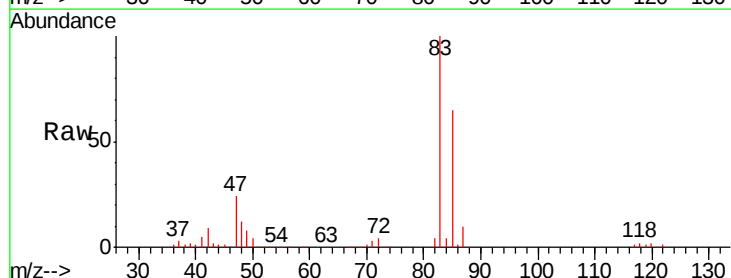
RT: 5.21 min Scan# 666

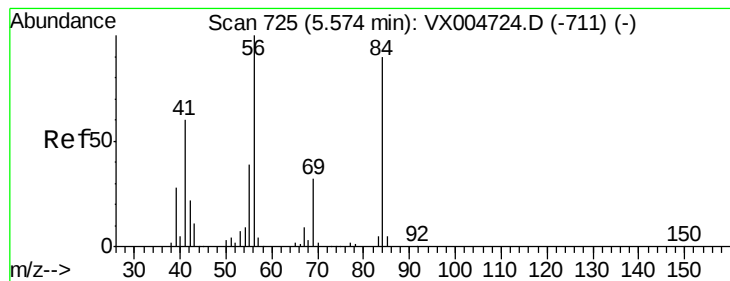
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	83	Resp:	219421
Ion Ratio		Lower	Upper
83	100		
85	65.1	52.4	78.6





#31

Cyclohexane

Concen: 54.79 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 192697
Ion Ratio Lower Upper

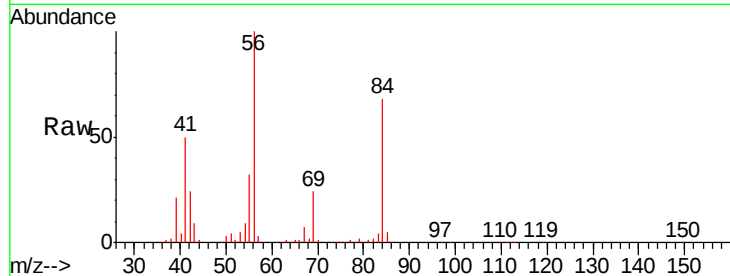
56 100

69 24.1 25.9 38.9#

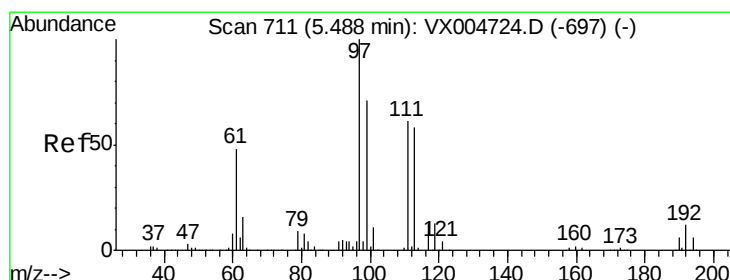
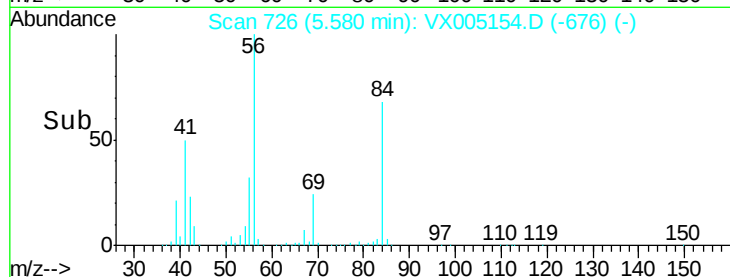
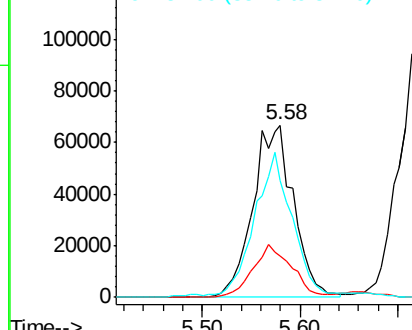
84 66.7 71.9 107.9#

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 53.38 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005154.D

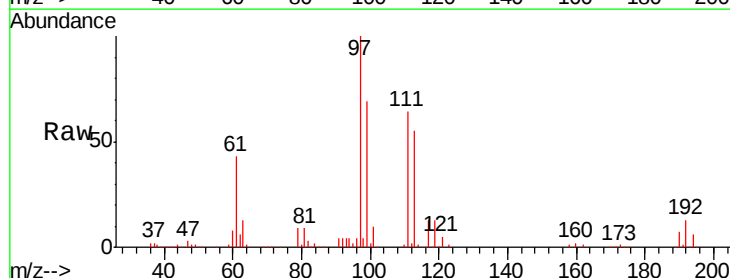
Acq: 09 Oct 2018 04:03

Tgt Ion: 97 Resp: 189328
Ion Ratio Lower Upper

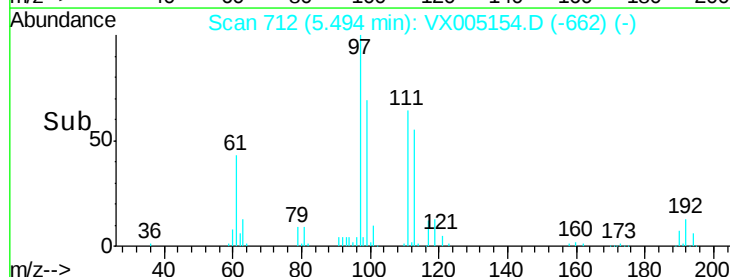
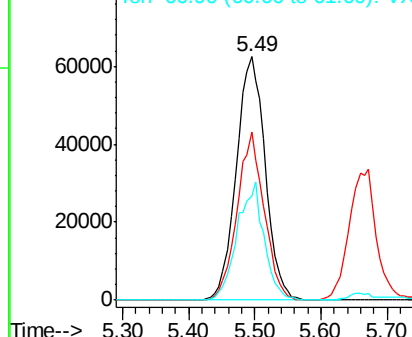
97 100

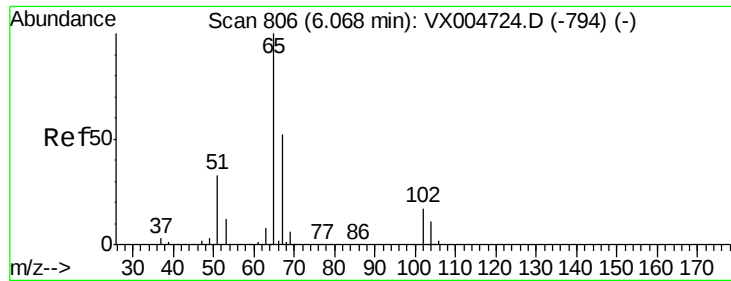
99 64.6 54.6 82.0

61 45.0 37.5 56.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





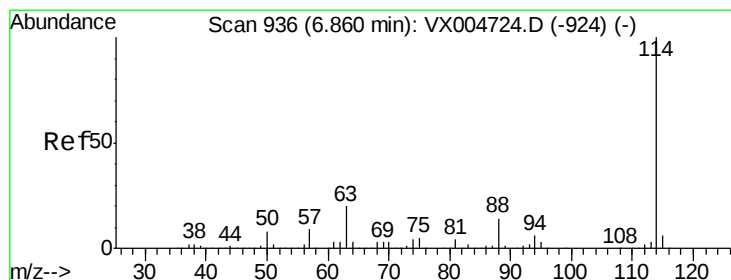
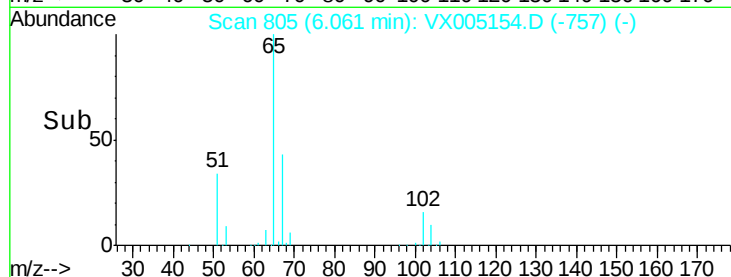
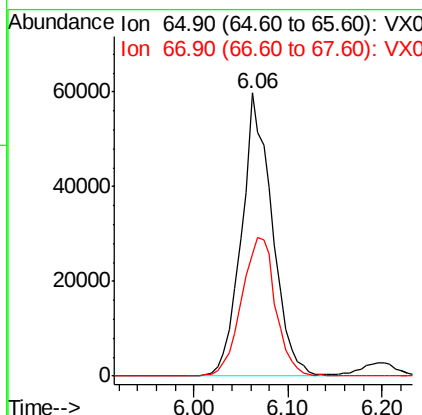
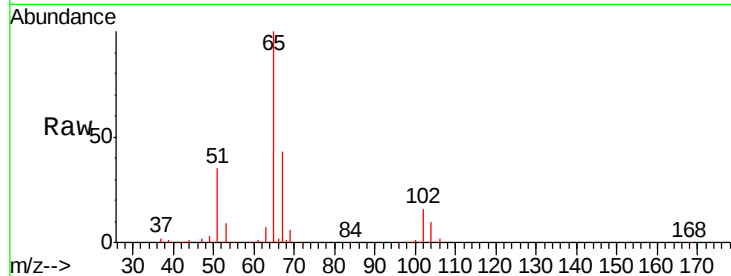
#33
 1,2-Dichloroethane-d4
 Concen: 49.28 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 136215
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.4

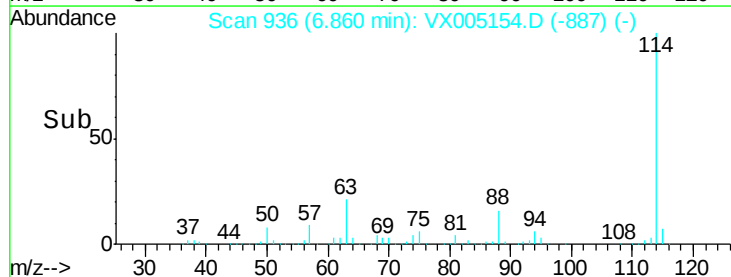
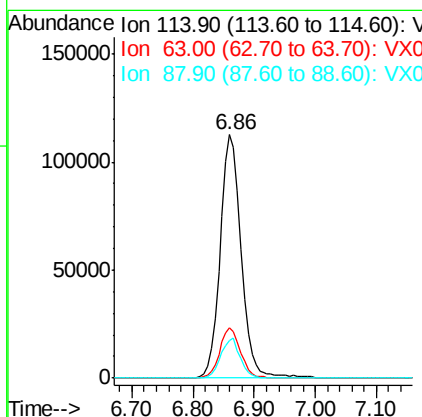
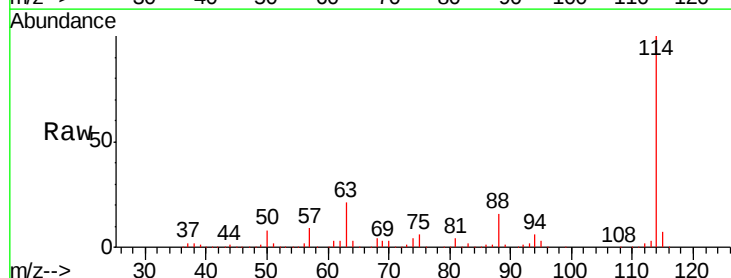
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion: 114 Resp: 269091
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.8
 88 15.5 0.0 27.0





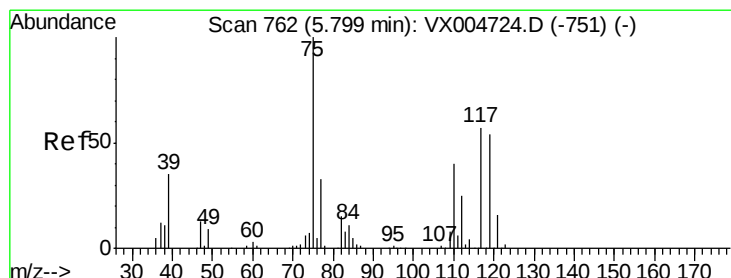
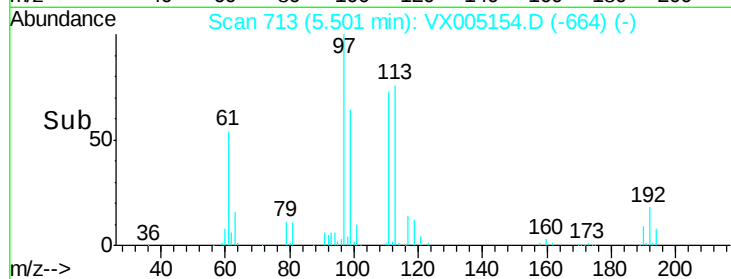
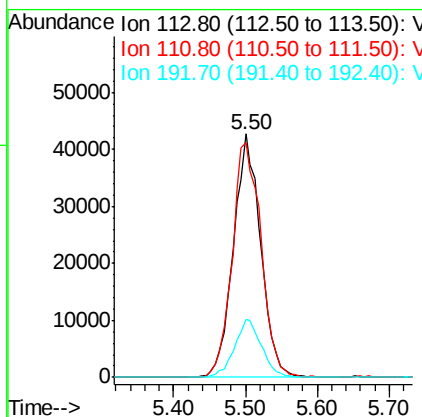
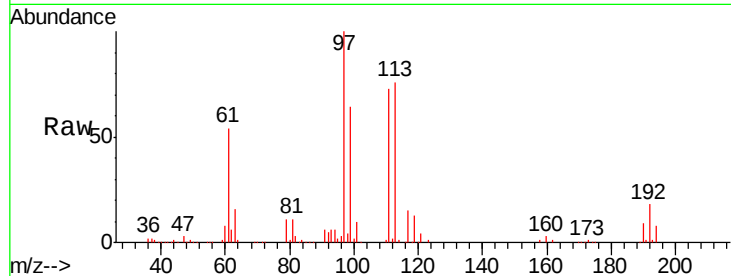
#35
 Dibromofluoromethane
 Concen: 49.08 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	77.0	115.4
192	23.6	17.0	25.6

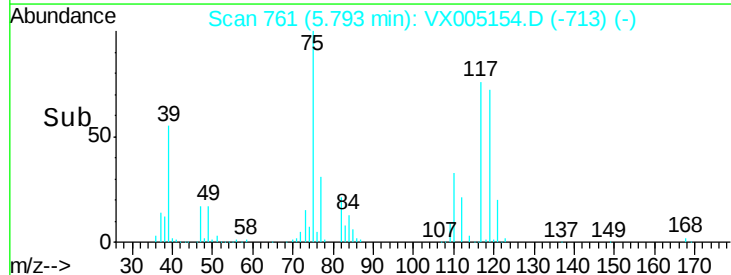
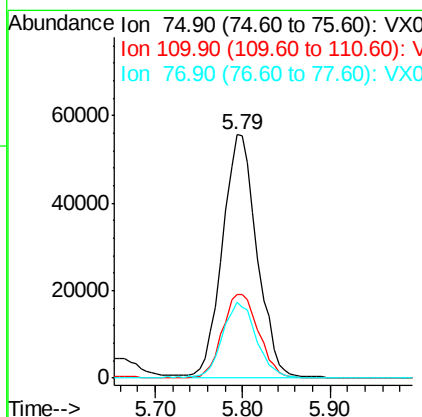
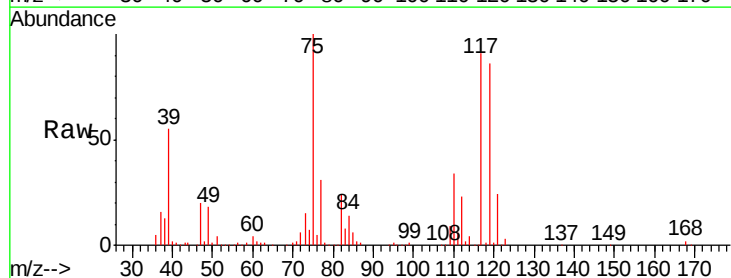
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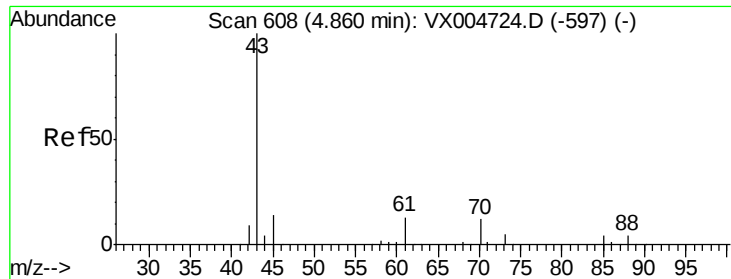
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.76 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	20.0	59.9
77	30.4	27.1	40.7





#37

Ethyl Acetate

Concen: 52.47 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

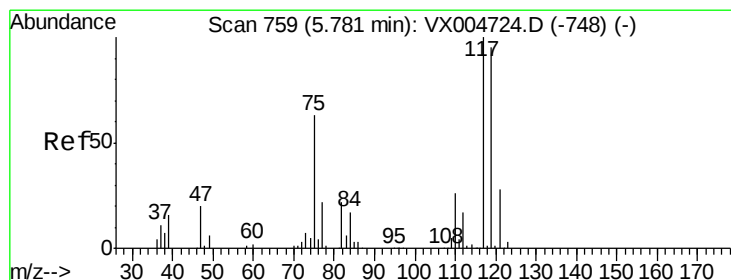
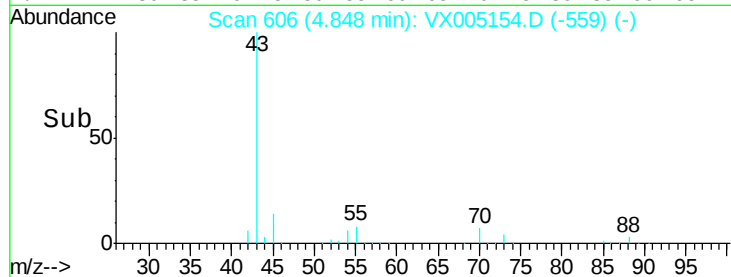
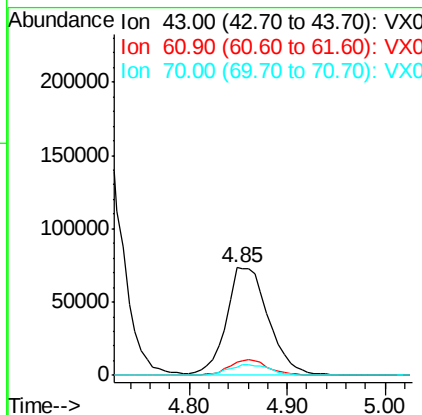
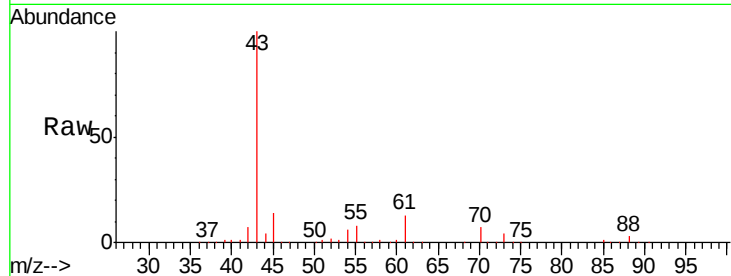
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	216719
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	10.3	8.7	13.1

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#38

Carbon Tetrachloride

Concen: 49.74 ug/l

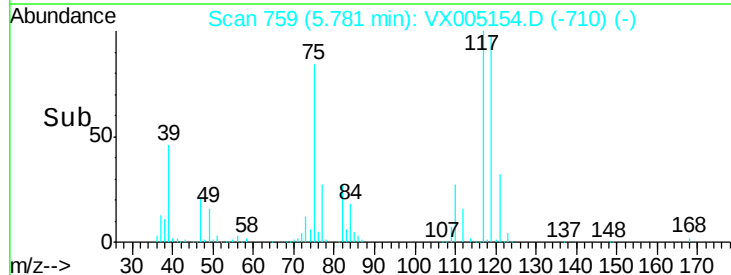
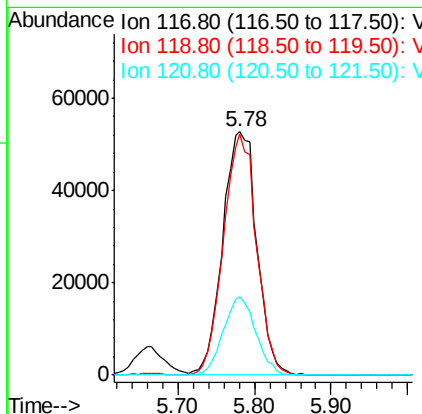
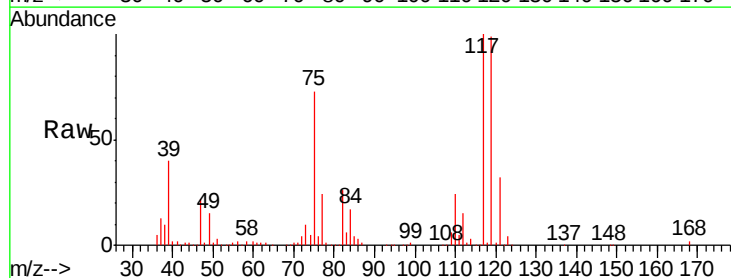
RT: 5.78 min Scan# 759

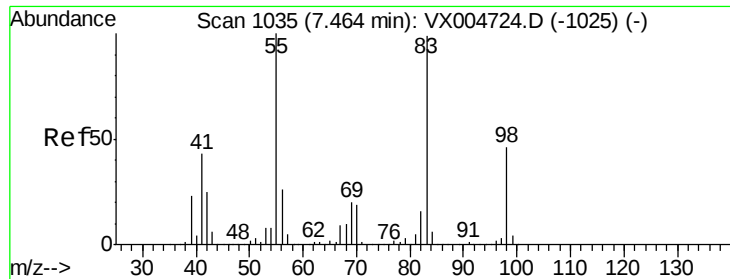
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	117	Resp:	162676
Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.2	112.8
121	32.1	22.5	33.7





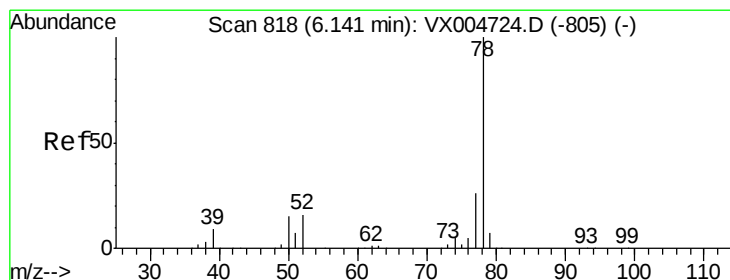
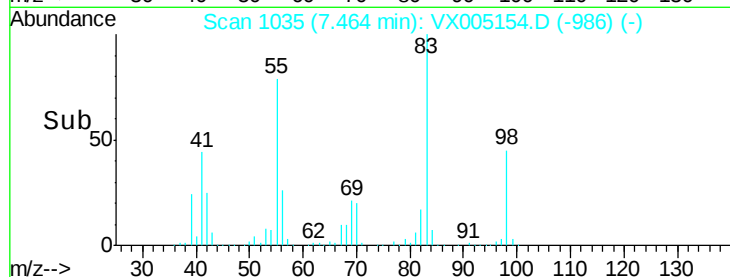
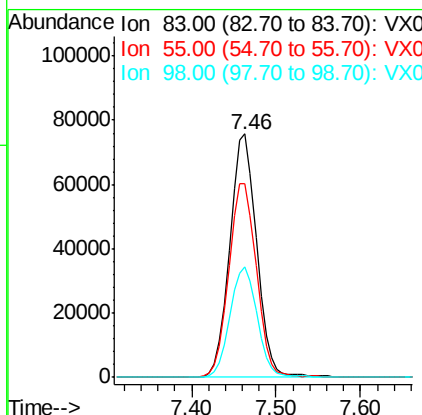
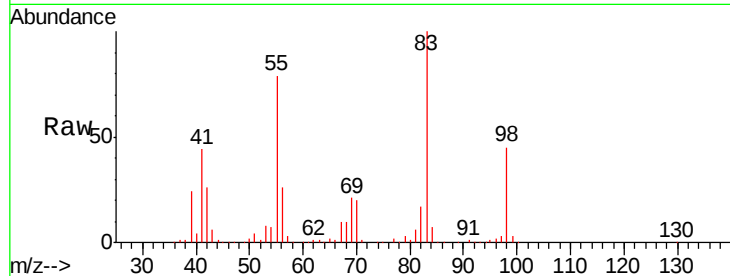
#39
Methylcyclohexane
Concen: 51.72 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.5	81.1	121.7#
98	45.4	37.3	55.9

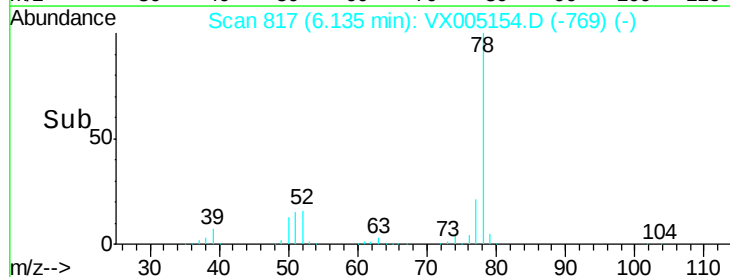
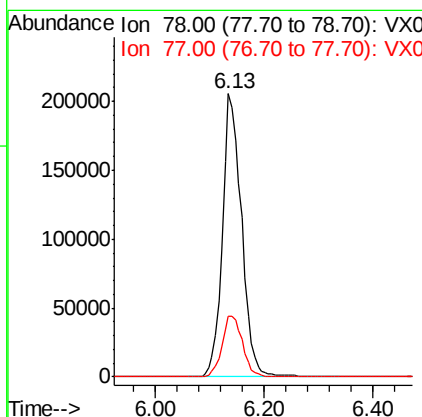
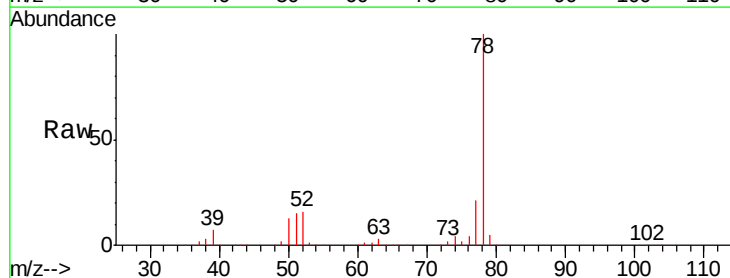
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#40
Benzene
Concen: 51.52 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	21.0	31.4





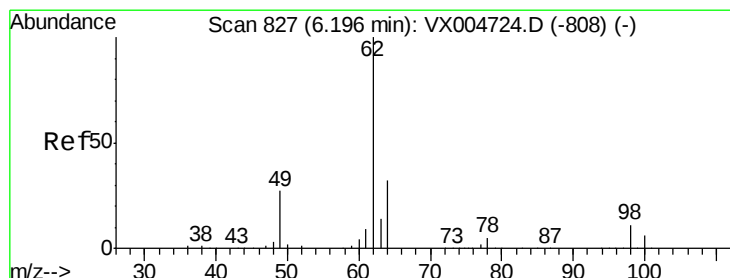
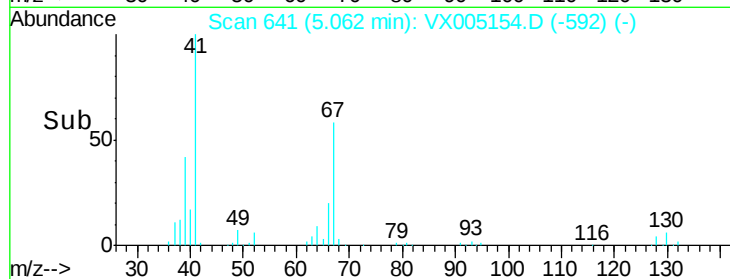
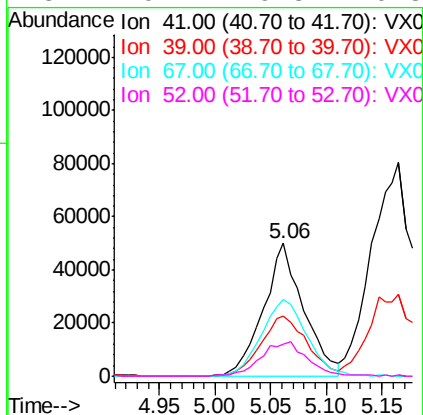
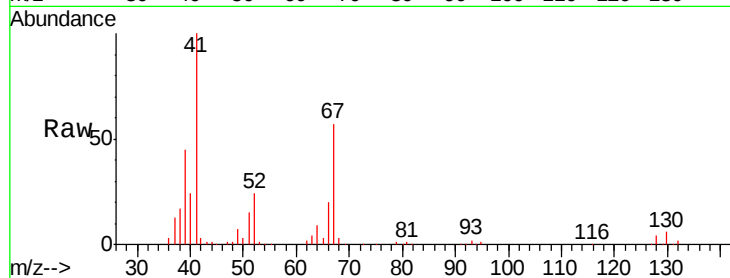
#41
Methacrylonitrile
Concen: 54.72 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.5	63.7	
67	65.6	53.0	79.6	
52	29.4	19.8	29.8	

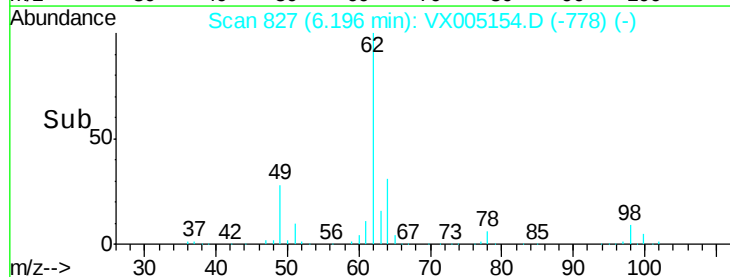
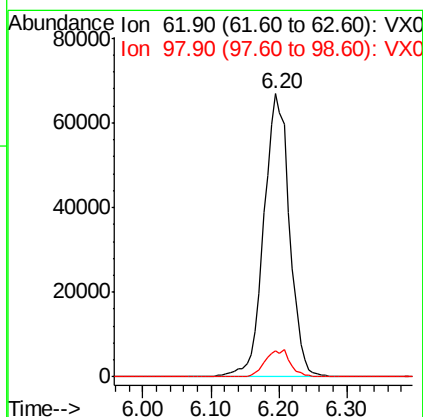
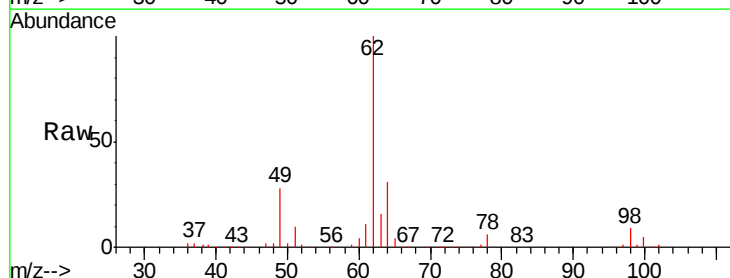
Manual Integrations
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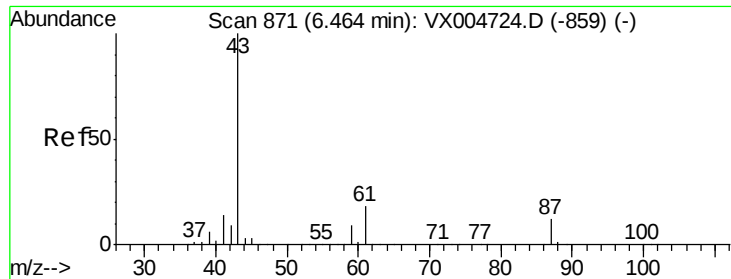
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.11 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.2	





#43

Isopropyl Acetate

Concen: 53.28 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

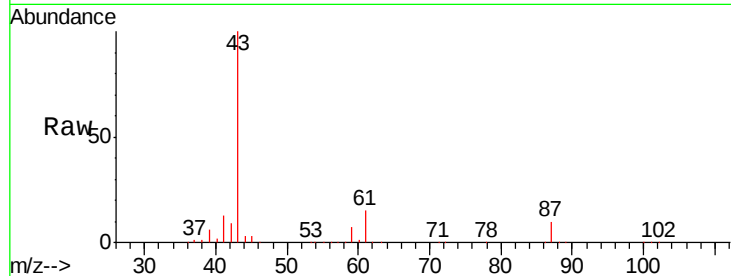
ClientSampleId :

VSTDCCC050EC

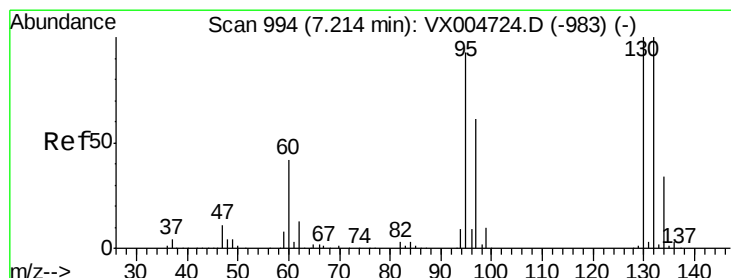
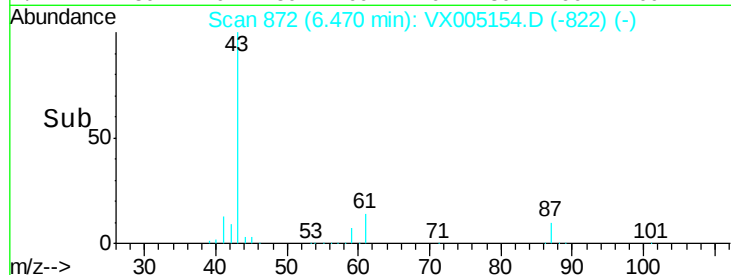
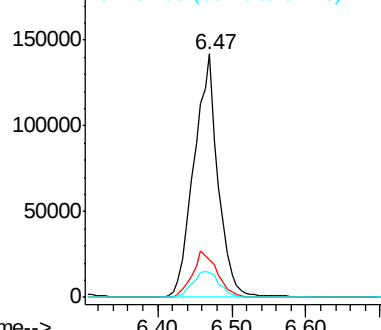
Tgt Ion:	43	Resp:	317626
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.2	21.4
87	12.1	9.3	13.9

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-859) (-)



#44

Trichloroethene

Concen: 51.88 ug/l

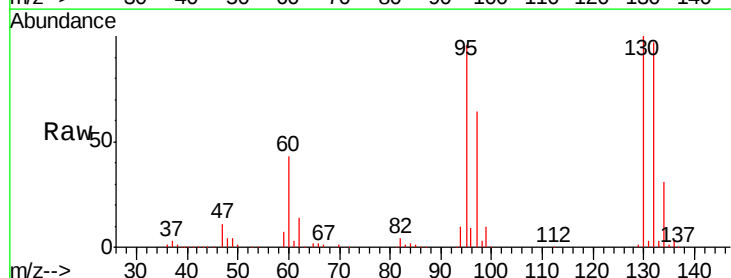
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

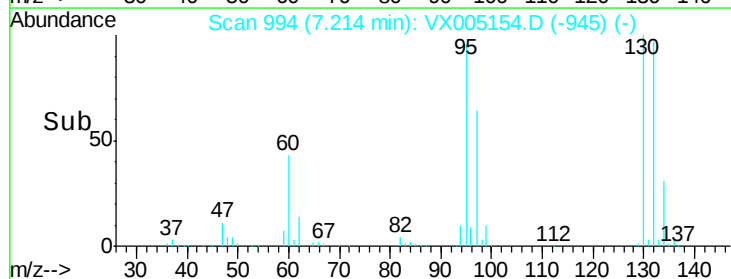
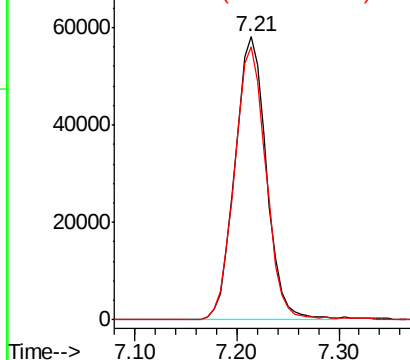
Lab File: VX005154.D

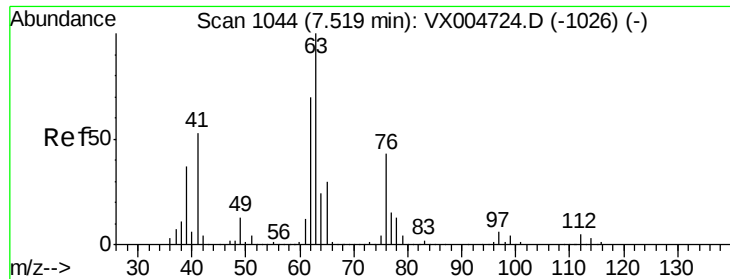
Acq: 09 Oct 2018 04:03

Tgt Ion:	130	Resp:	124249
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	186.8



Abundance Ion 129.80 (129.50 to 130.50): VX004724.D (-983) (-)





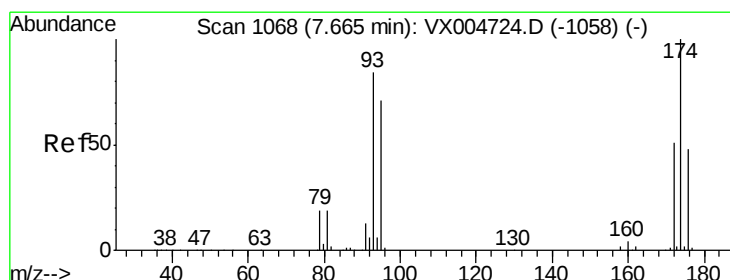
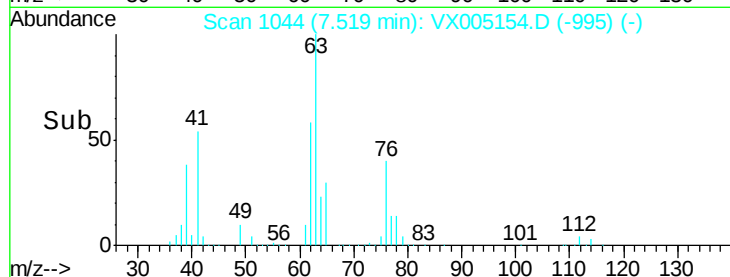
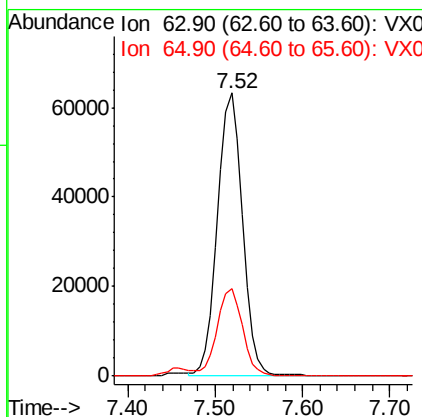
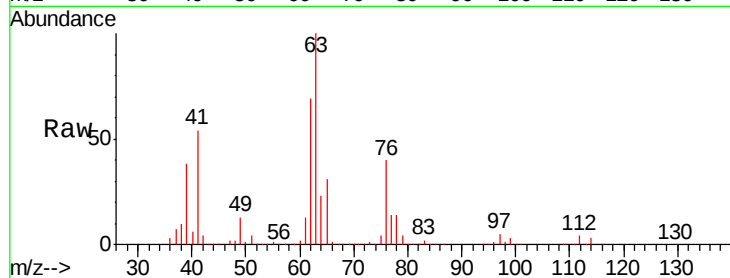
#45
 1,2-Dichloropropane
 Concen: 52.84 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 126234
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.9 35.9

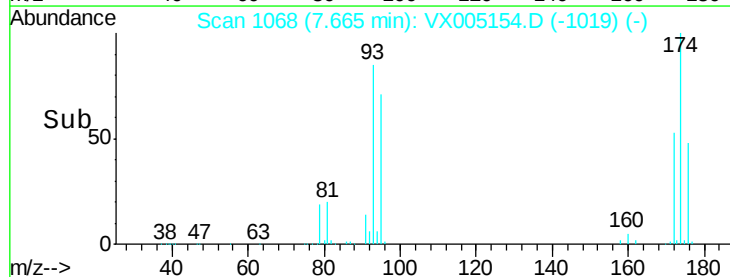
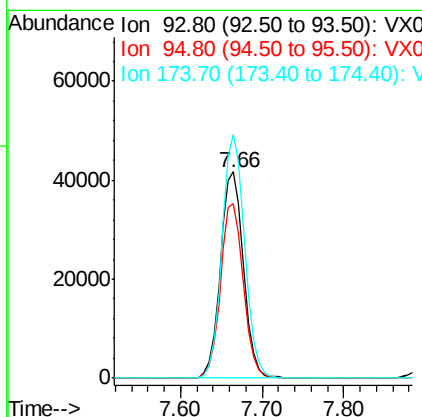
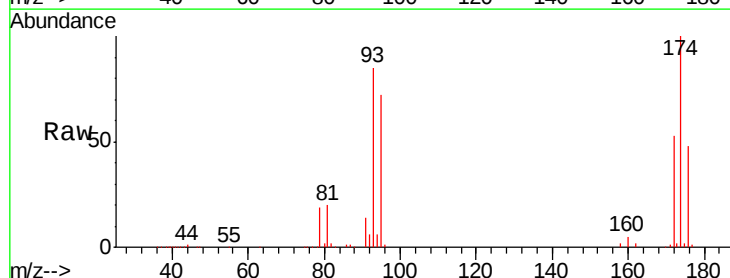
Manual Integrations
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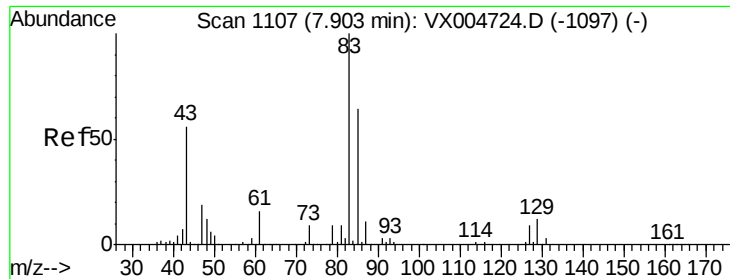
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#46
 Dibromomethane
 Concen: 54.22 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion: 93 Resp: 81400
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 116.0 92.7 139.1





#47

Bromodichloromethane

Concen: 57.14 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

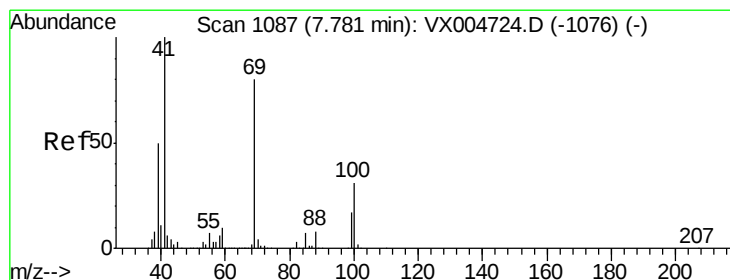
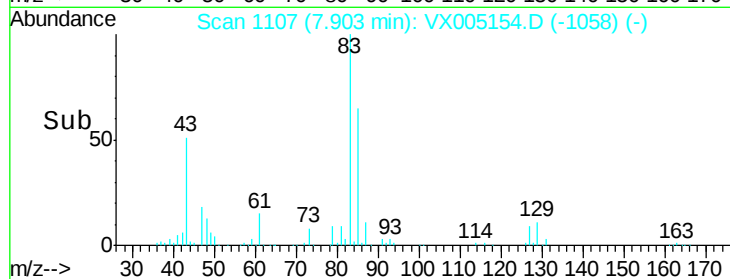
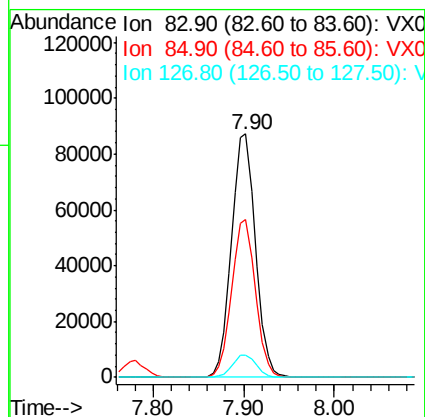
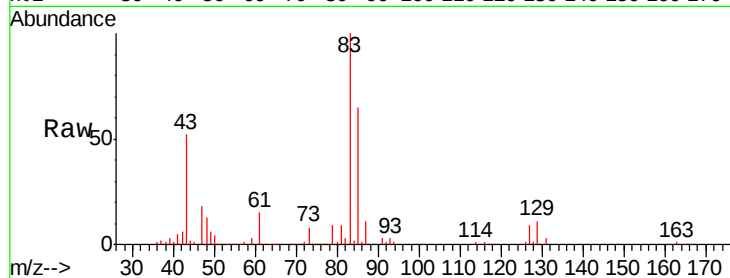
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	160606
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.40 ug/l

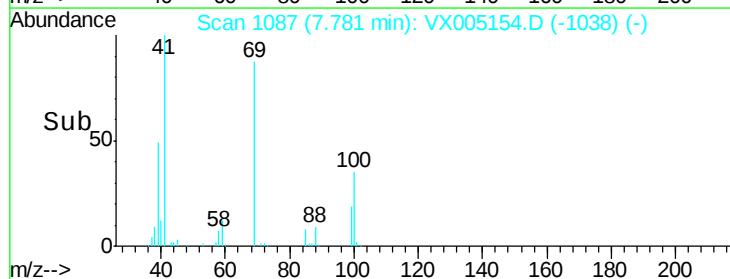
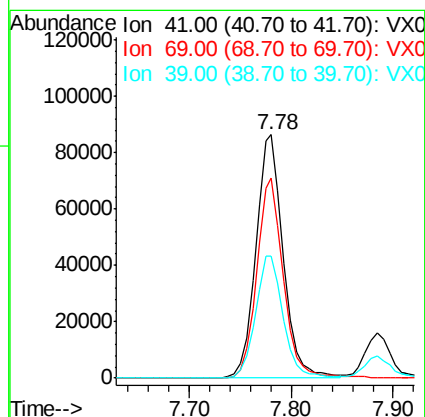
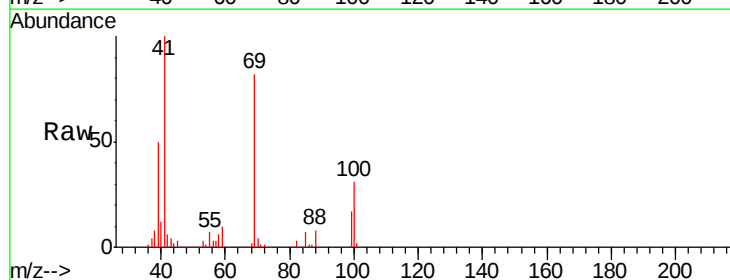
RT: 7.78 min Scan# 1087

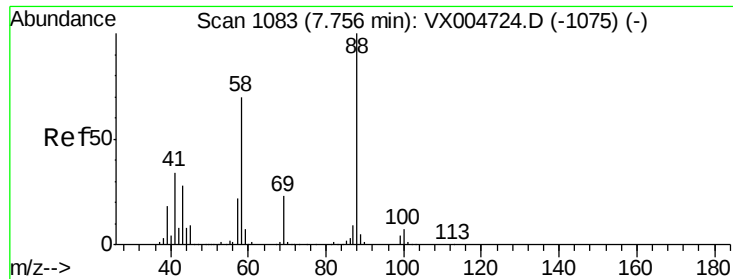
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	41	Resp:	160721
Ion	Ratio	Lower	Upper
41	100		
69	80.9	63.8	95.6
39	51.0	40.7	61.1





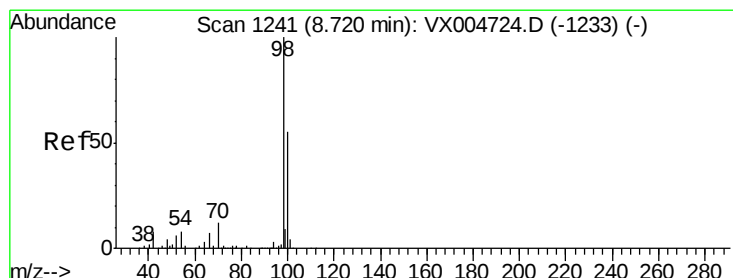
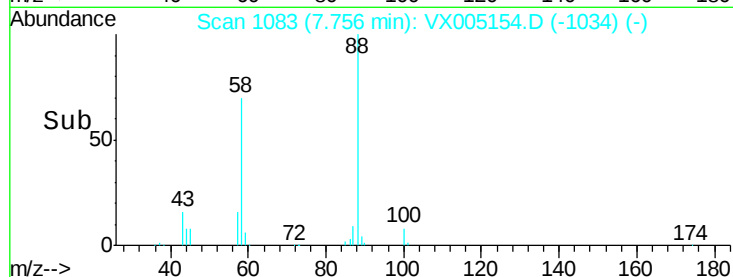
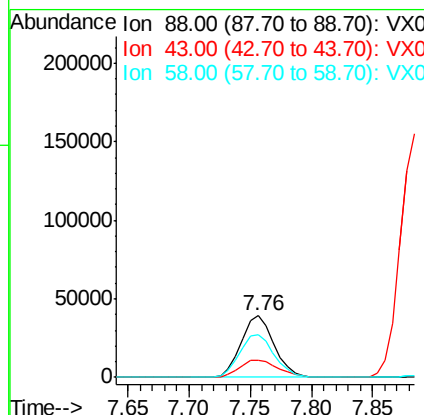
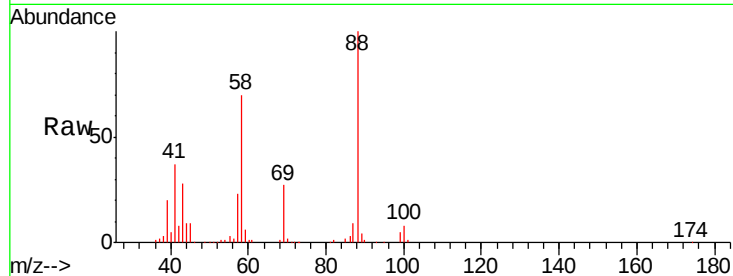
#49
1,4-Dioxane
Concen: 1097.24 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.1	37.7
58	73.1	56.2	84.2

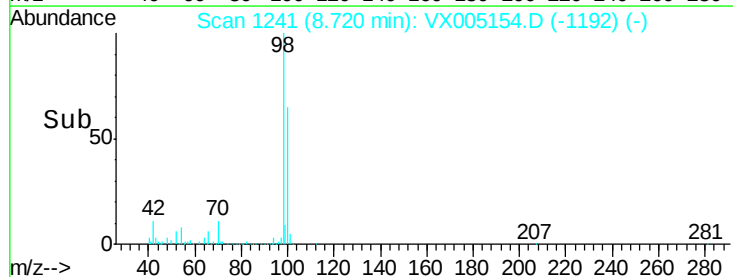
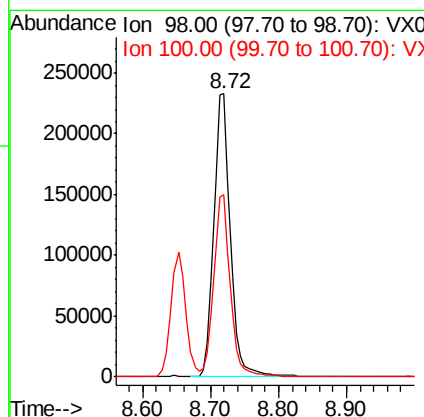
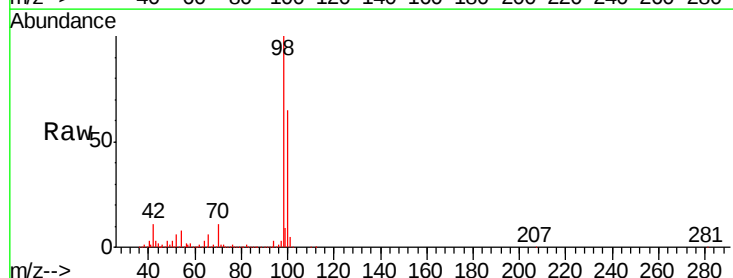
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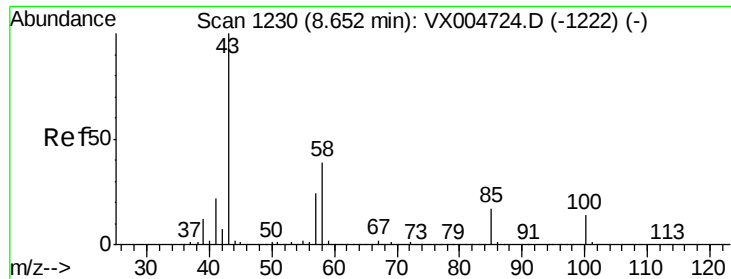
MMDadoda
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#50
Toluene-d8
Concen: 52.06 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





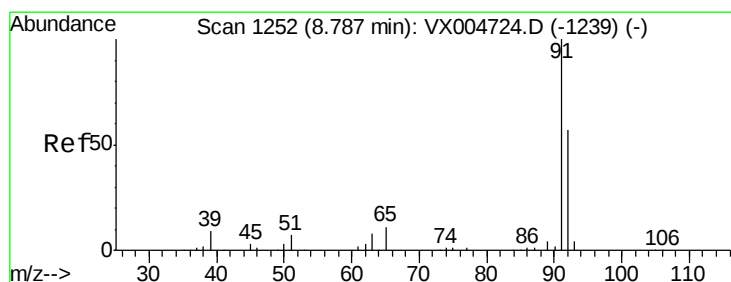
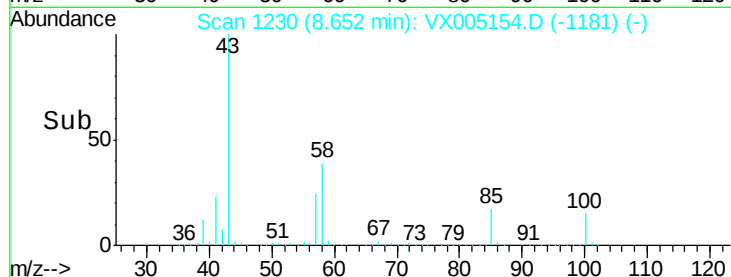
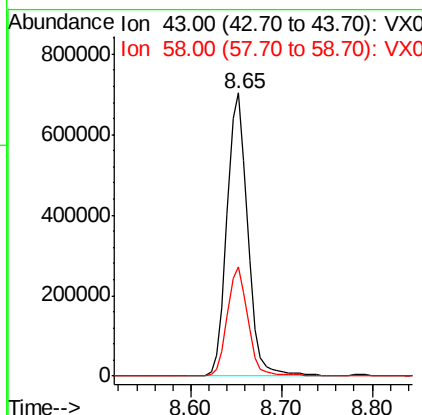
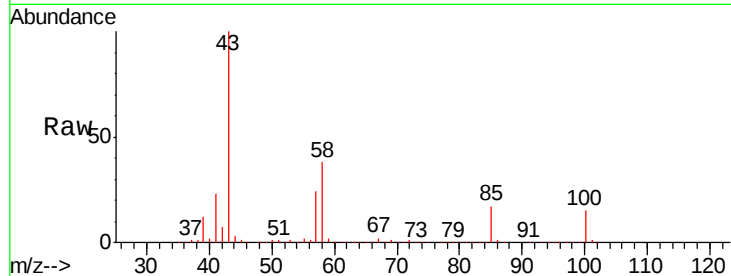
#51
4-Methyl-2-Pentanone
Concen: 299.35 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1123648
Ion Ratio Lower Upper
43 100
58 38.5 30.5 45.7

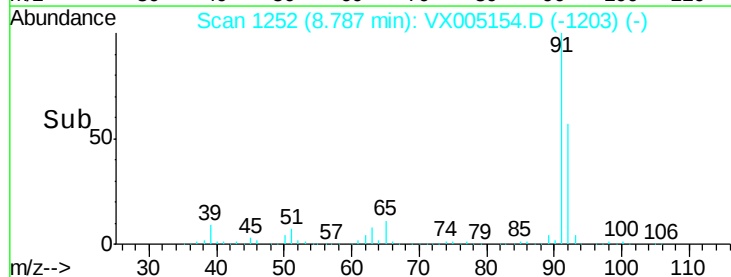
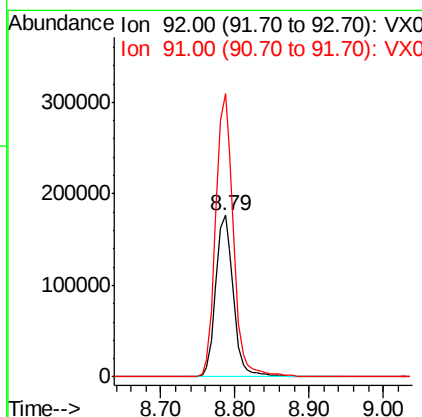
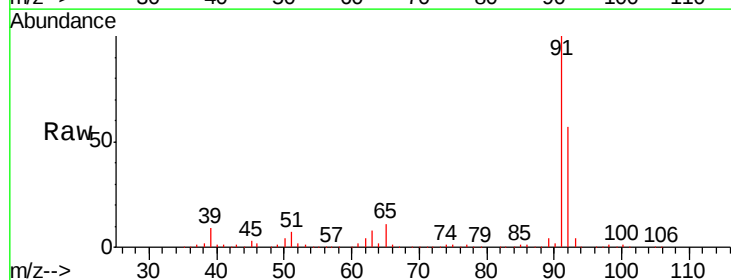
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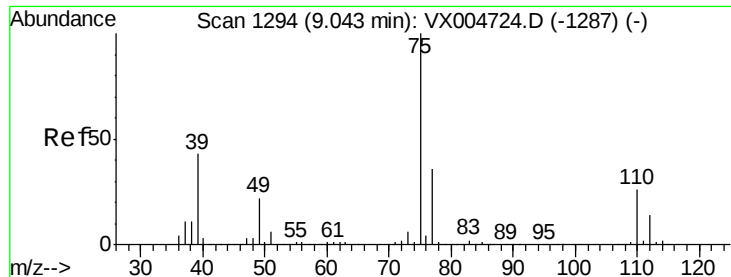
MMDadoda
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#52
Toluene
Concen: 53.95 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion: 92 Resp: 288753
Ion Ratio Lower Upper
92 100
91 175.0 136.7 205.1





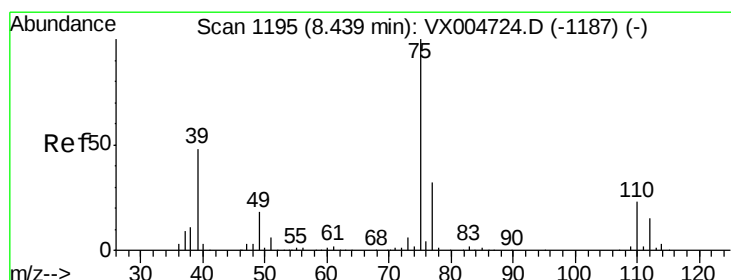
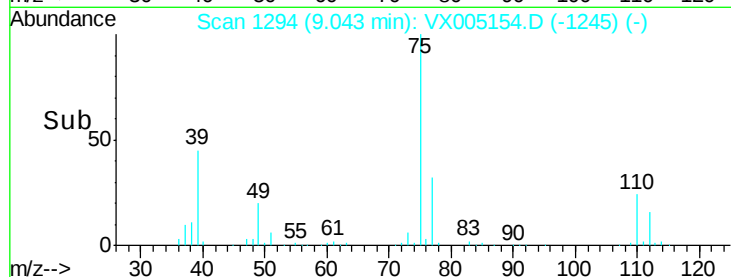
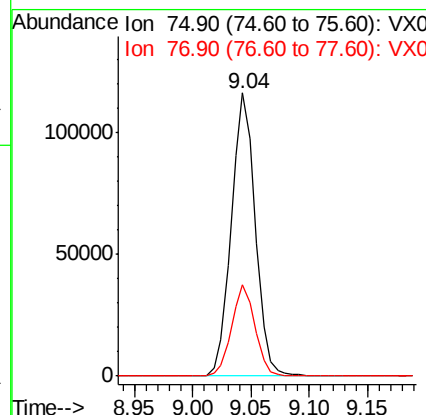
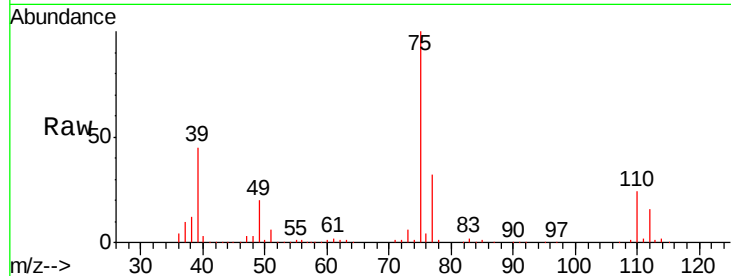
#53
t-1,3-Dichloropropene
Concen: 52.31 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 166149
Ion Ratio Lower Upper
75 100
77 32.0 28.9 43.3

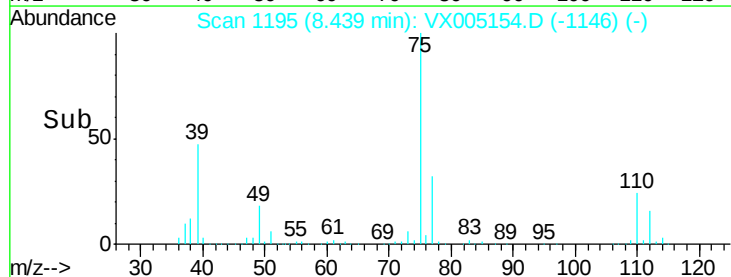
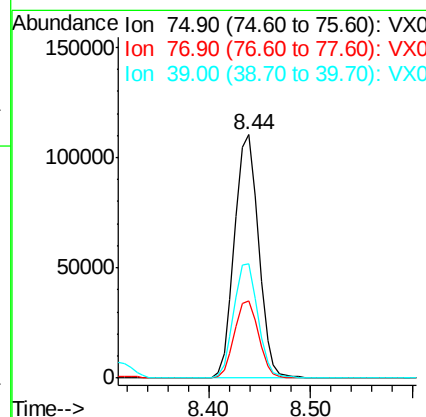
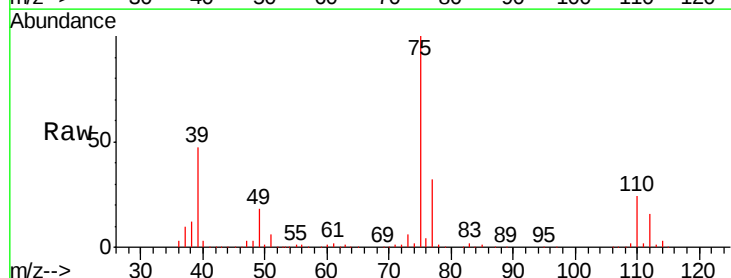
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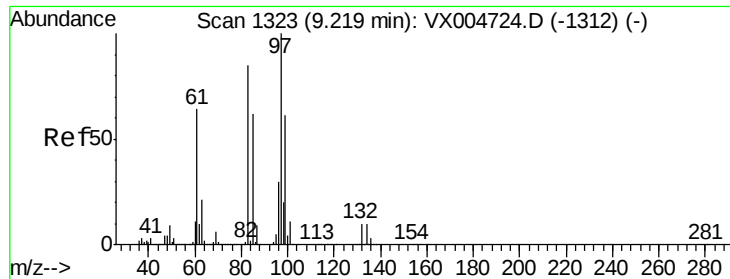
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.26 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion: 75 Resp: 180536
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 47.0 38.3 57.5





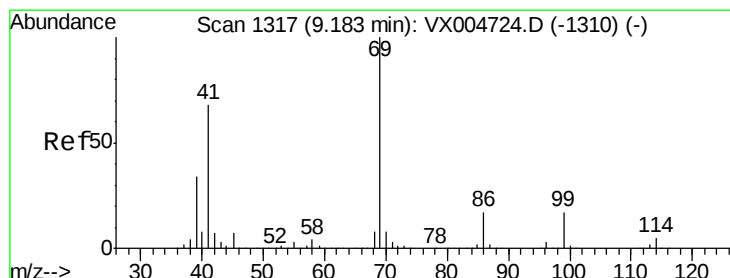
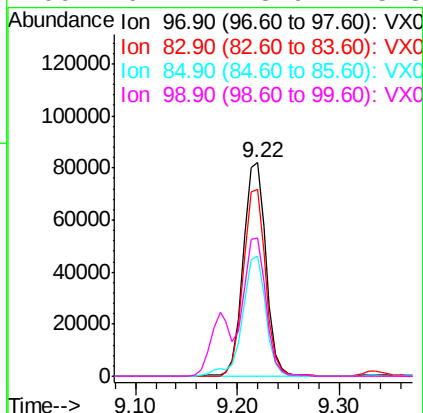
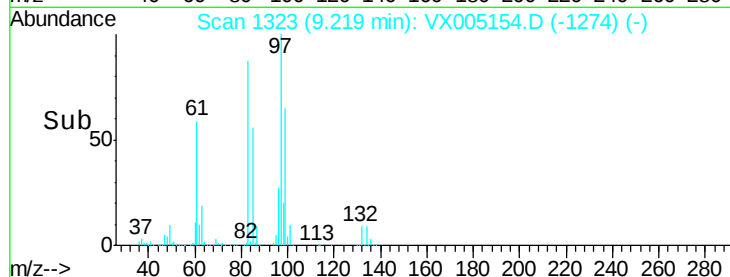
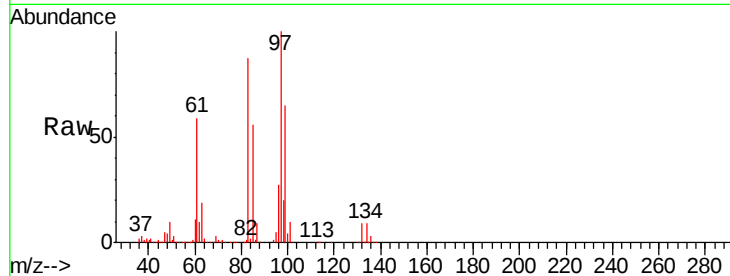
#55
 1,1,2-Trichloroethane
 Concen: 54.00 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.2
85	56.4	49.9	74.9
99	64.4	48.9	73.3

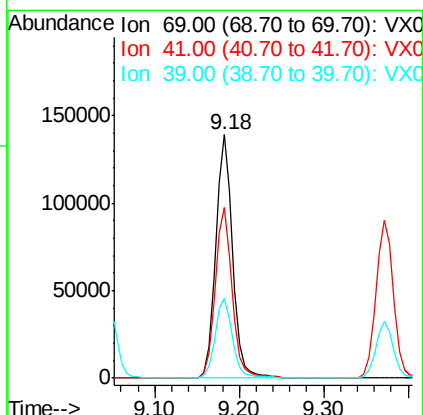
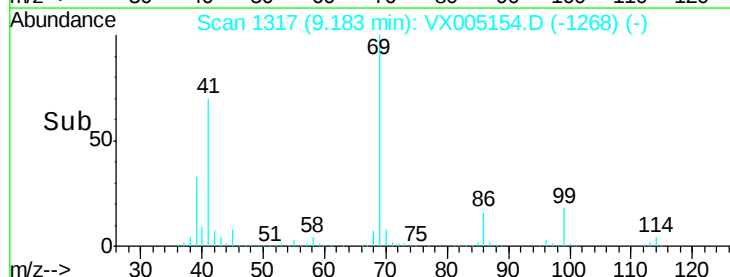
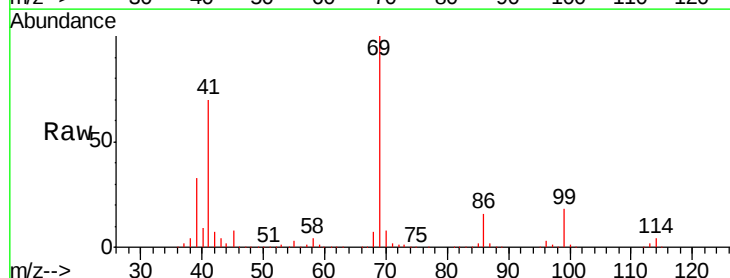
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#56
 Ethyl methacrylate
 Concen: 50.70 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.9	85.3
39	33.9	28.4	42.6





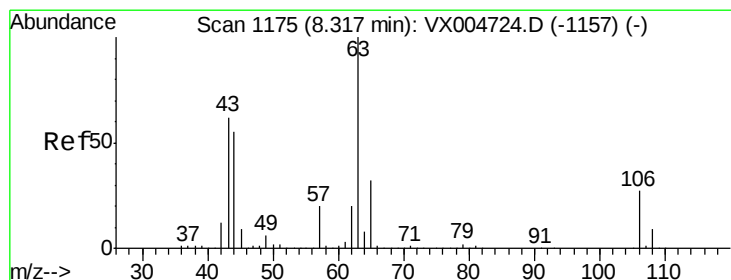
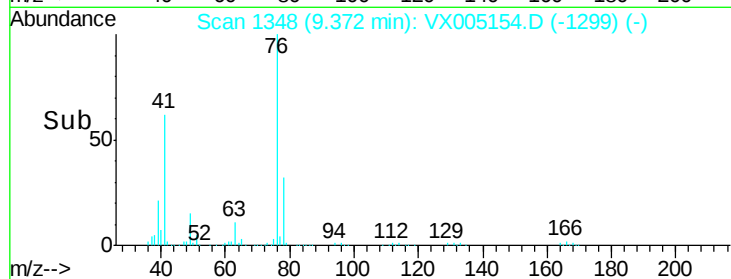
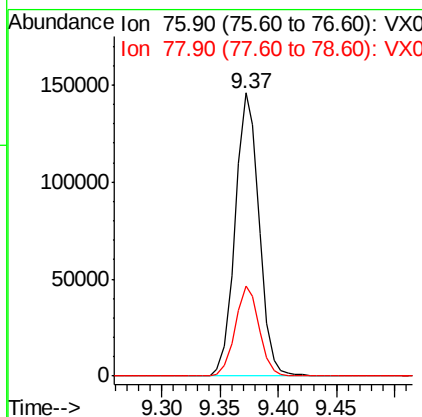
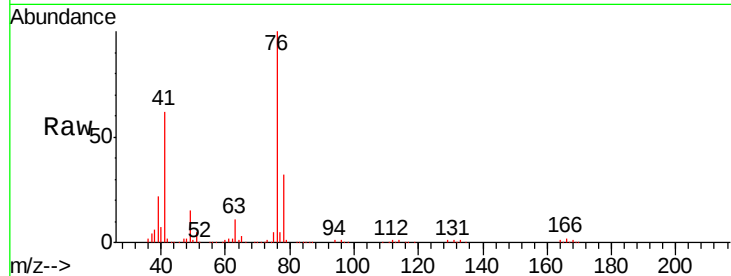
#57
 1,3-Dichloropropane
 Concen: 53.71 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 209609
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 40.0

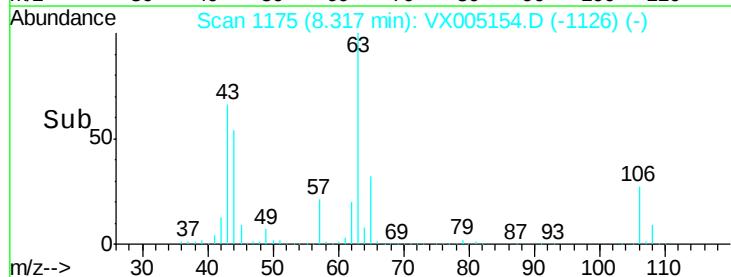
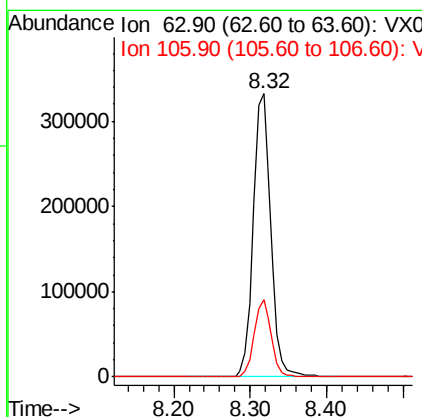
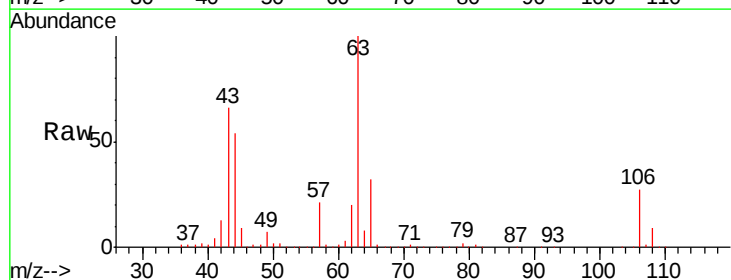
Manual Integrations
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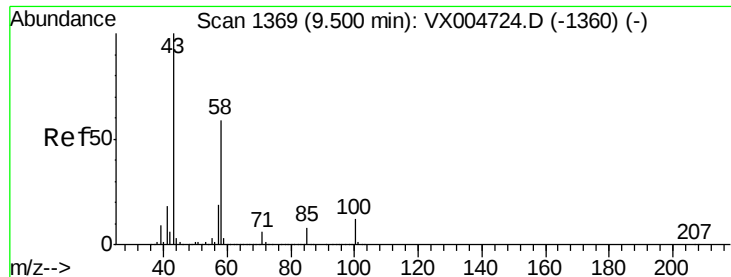
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 10/9/2018 1:47:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.50 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion: 63 Resp: 531836
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.0 31.6





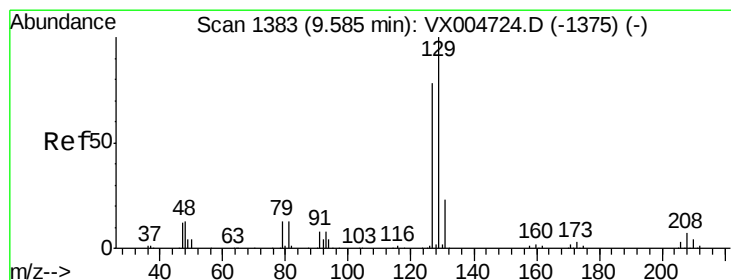
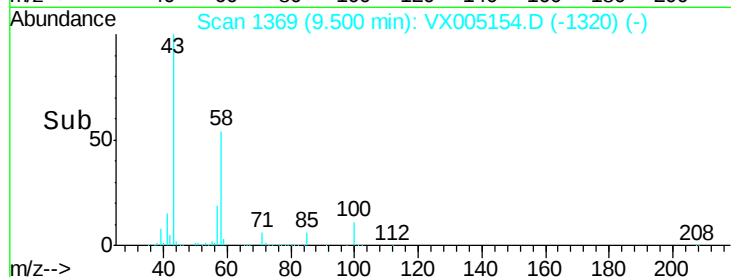
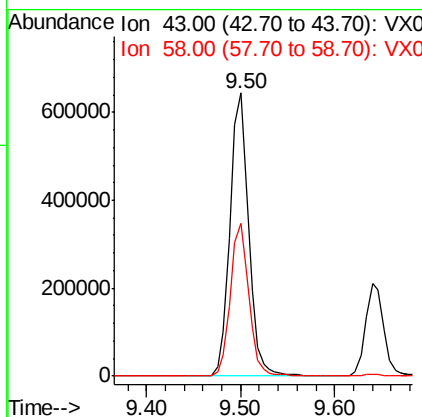
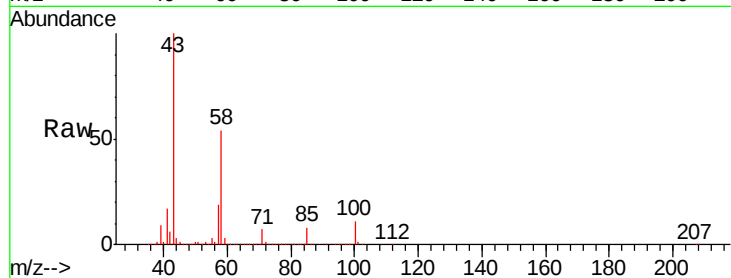
#59
2-Hexanone
Concen: 284.80 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 890827
Ion Ratio Lower Upper
43 100
58 53.7 28.4 85.3

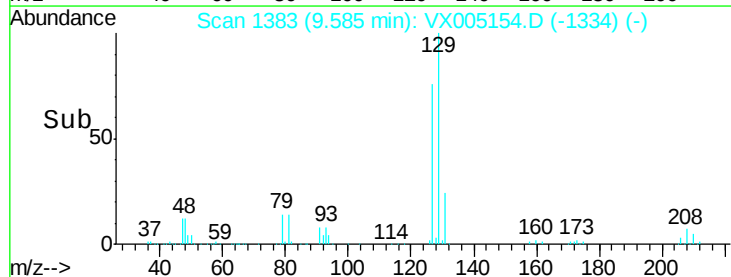
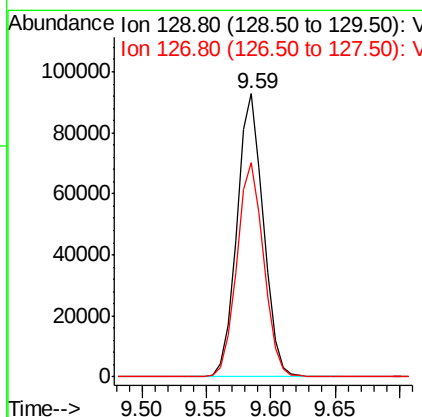
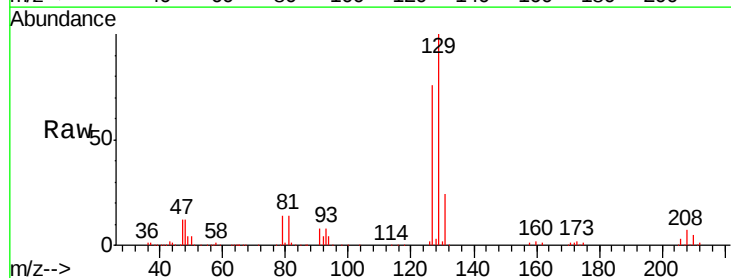
Manual Integrations
APPROVED

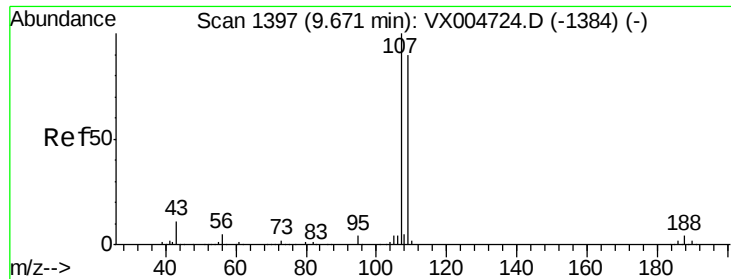
MMDadoda
10/9/2018 1:47:53 PM



#60
Dibromochloromethane
Concen: 56.17 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion: 129 Resp: 131720
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.08 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 128257

Ion Ratio Lower Upper

107 100

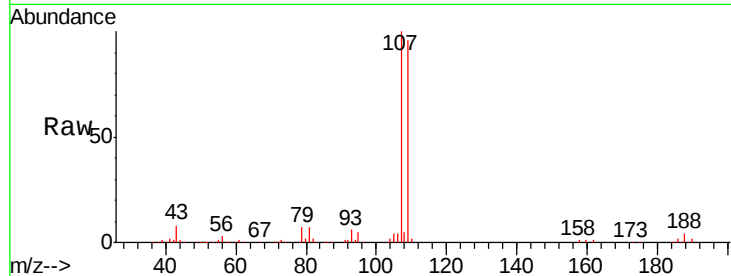
109 94.7 72.1 108.1

Manual Integrations

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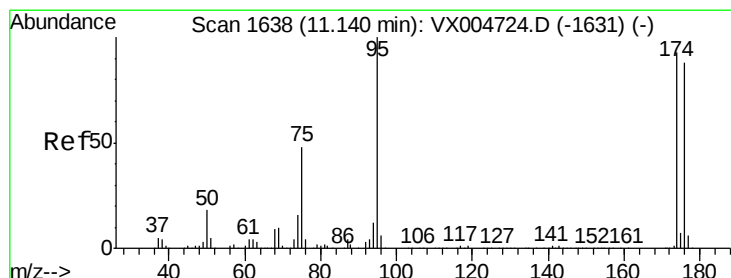
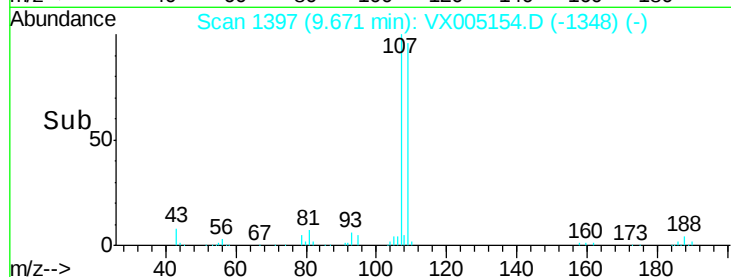
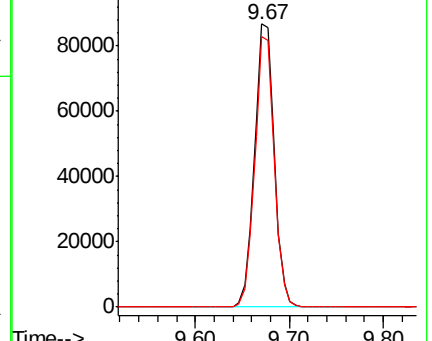
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.51 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

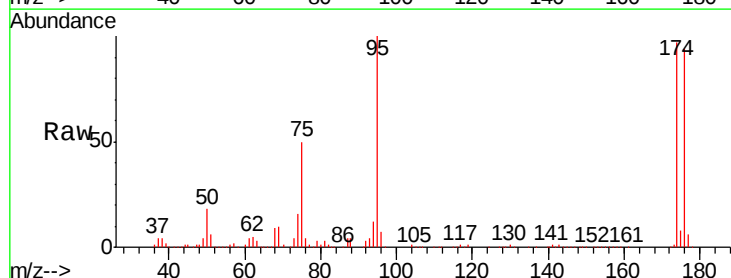
Tgt Ion: 95 Resp: 148885

Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.0

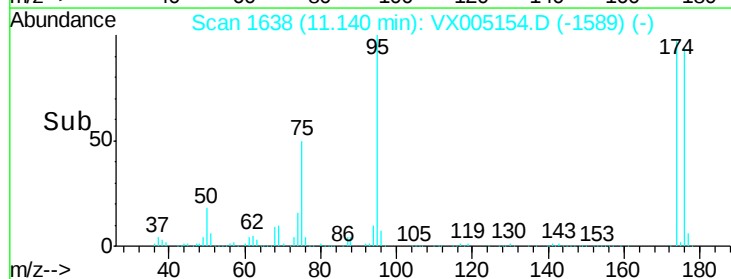
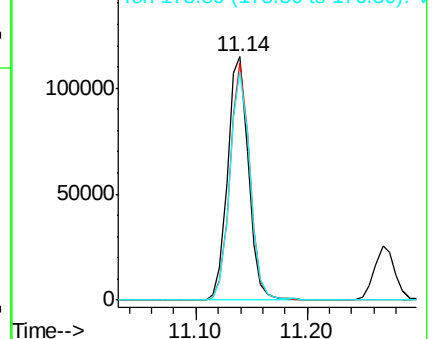
176 90.9 0.0 180.2

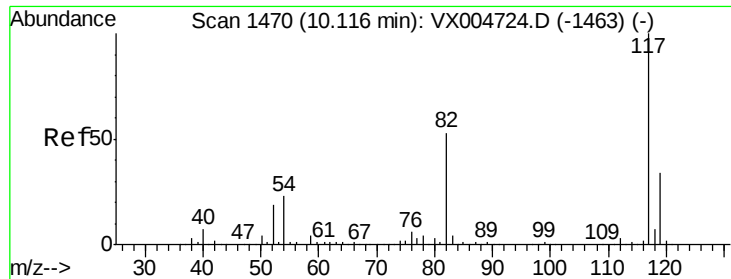


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





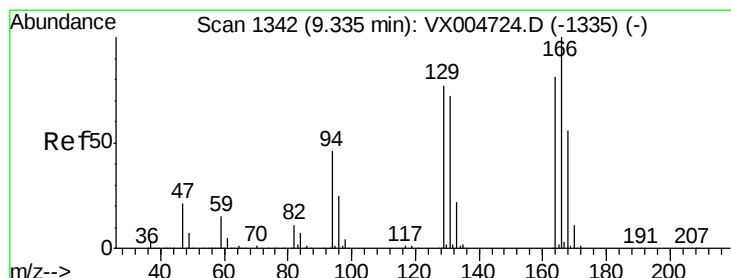
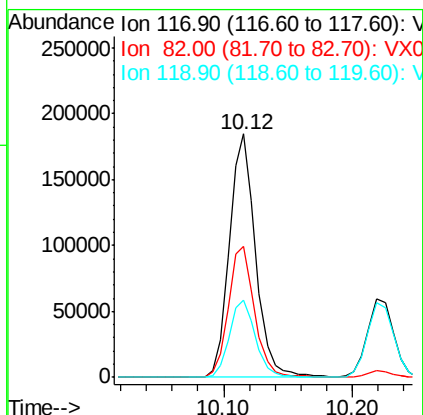
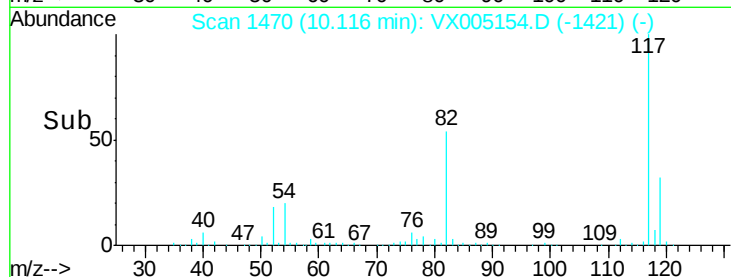
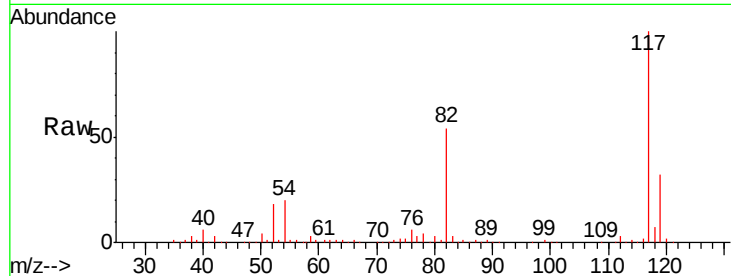
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	262142		
82	53.8	42.2	63.4	
119	31.7	27.4	41.0	

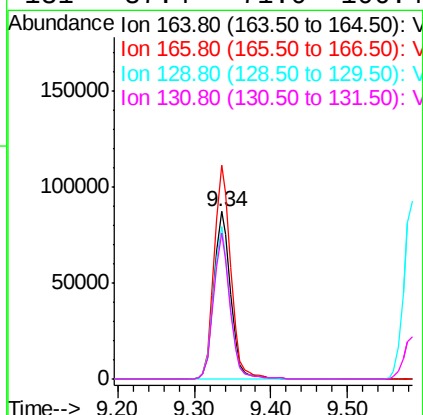
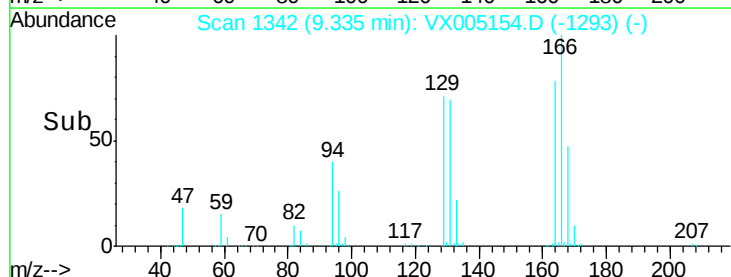
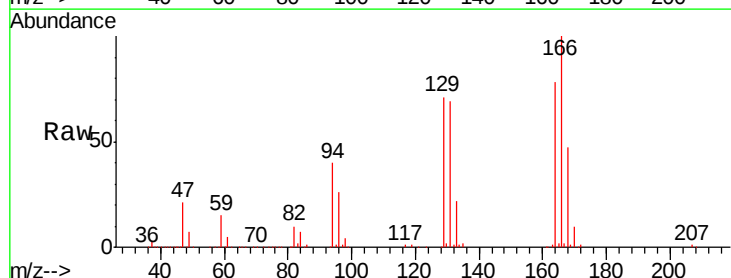
Manual Integrations
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#64
Tetrachloroethene
Concen: 51.26 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132246		
166	127.4	98.4	147.6	
129	91.0	76.1	114.1	
131	87.4	71.0	106.4	





#65

Chlorobenzene

Concen: 49.29 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 331363

Ion Ratio Lower Upper

112 100

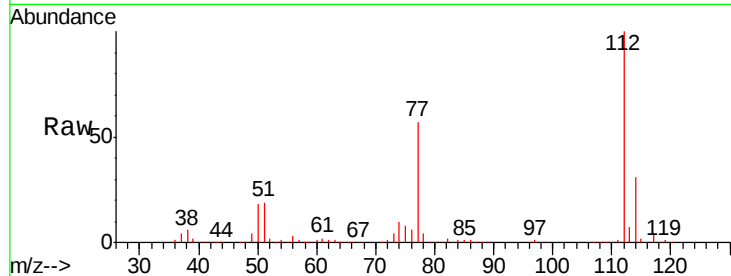
114 31.4 26.7 40.1

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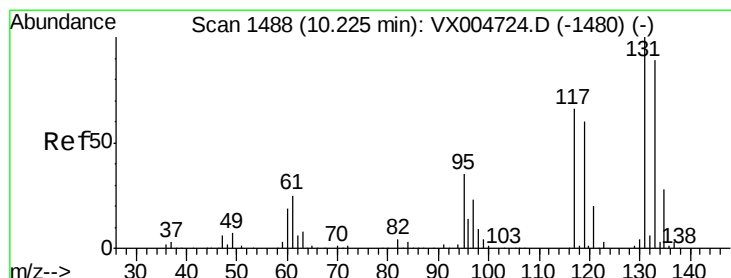
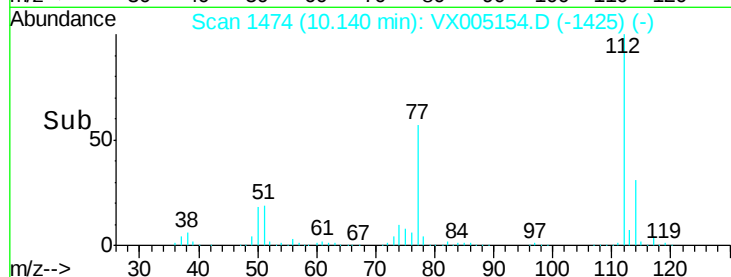
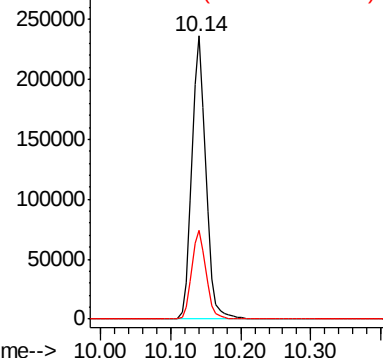
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.56 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

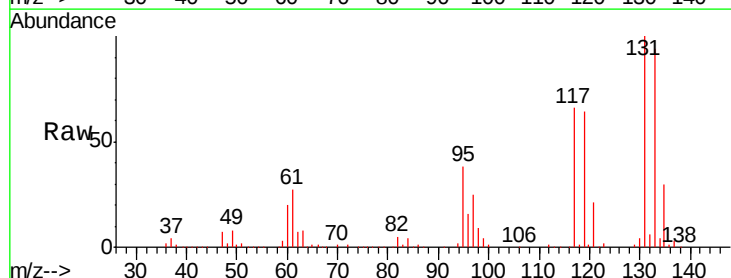
Tgt Ion:131 Resp: 124198

Ion Ratio Lower Upper

131 100

133 95.3 48.4 145.0

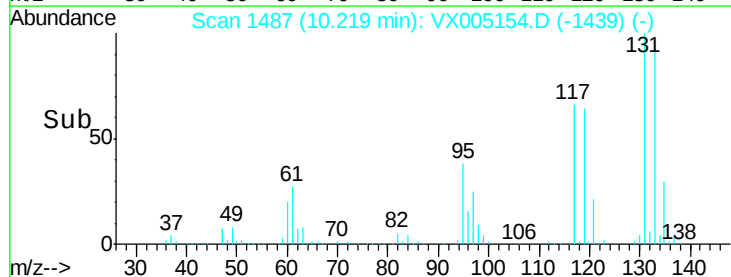
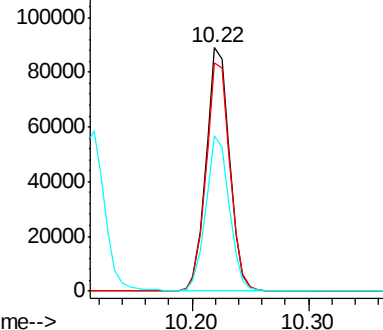
119 64.1 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.35 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 558645

Ion Ratio Lower Upper

91 100

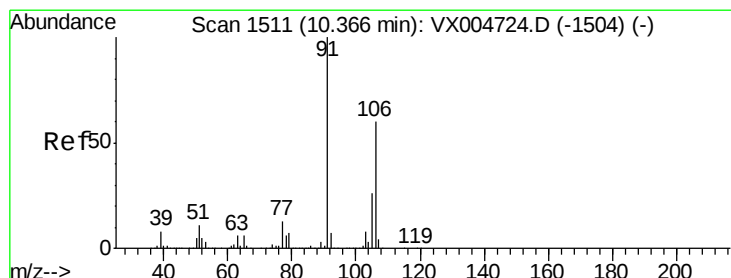
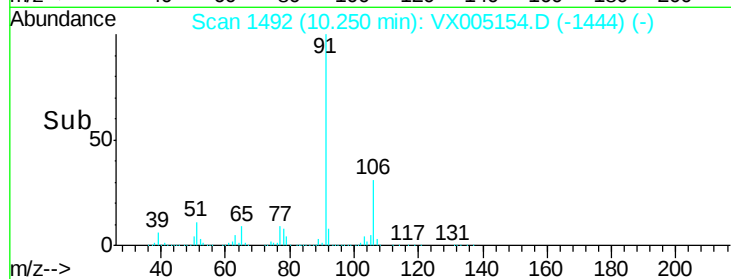
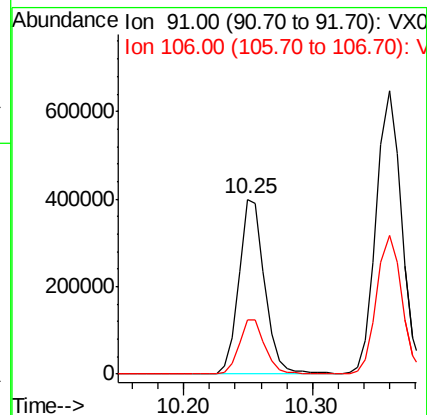
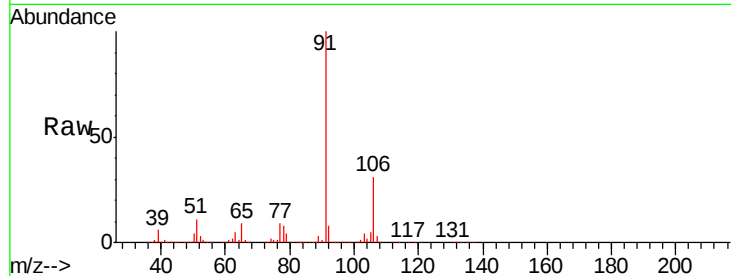
106 31.0 26.9 40.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.49 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005154.D

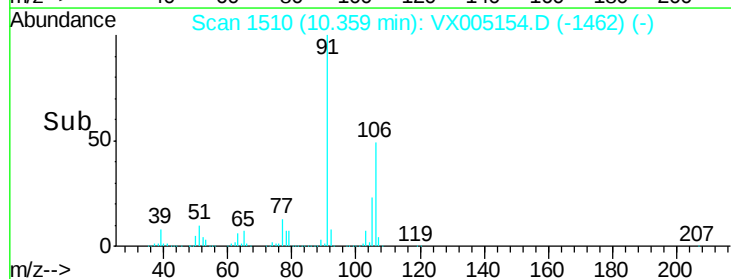
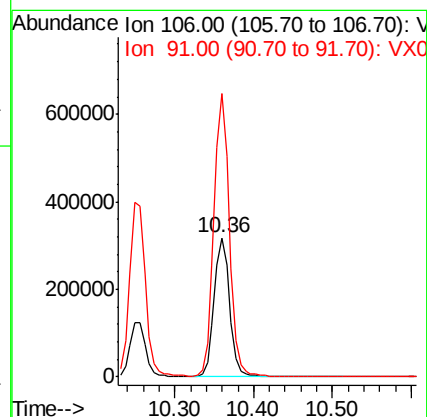
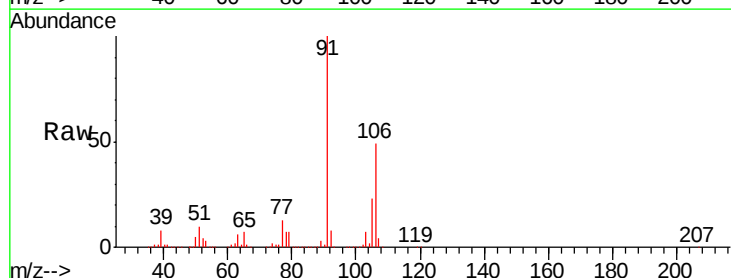
Acq: 09 Oct 2018 04:03

Tgt Ion: 106 Resp: 435741

Ion Ratio Lower Upper

106 100

91 203.7 157.5 236.3





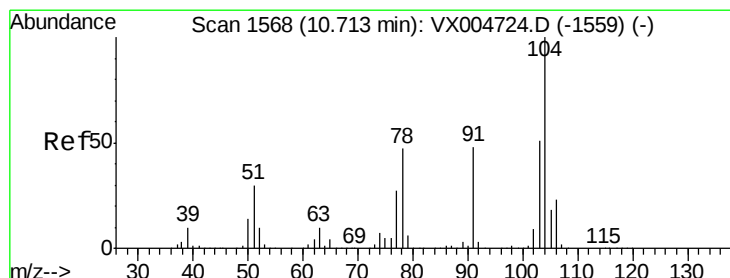
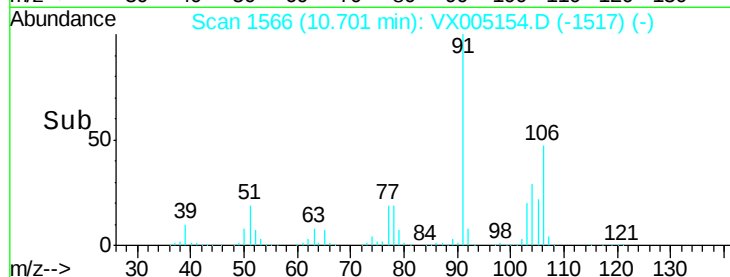
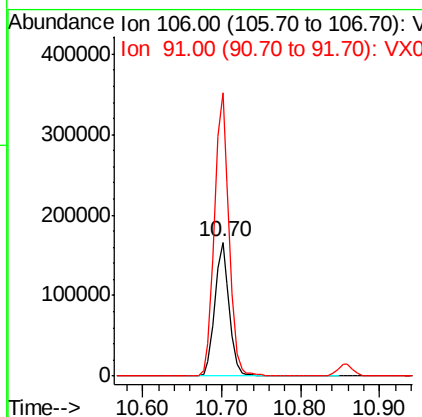
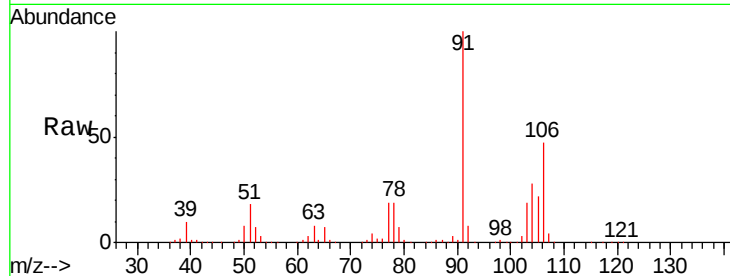
#69
o-Xylene
Concen: 55.01 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 210717
Ion Ratio Lower Upper
106 100
91 215.6 108.3 324.8

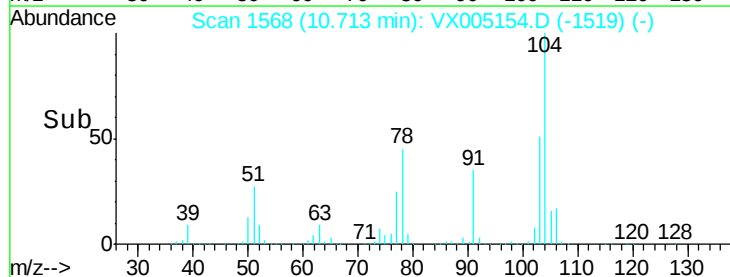
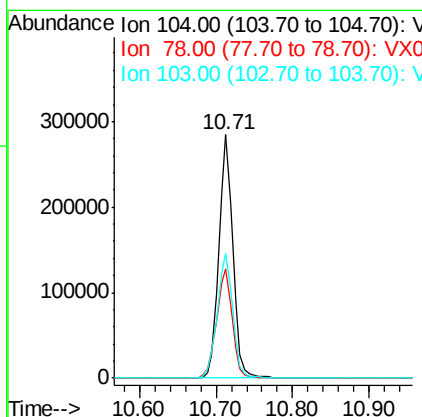
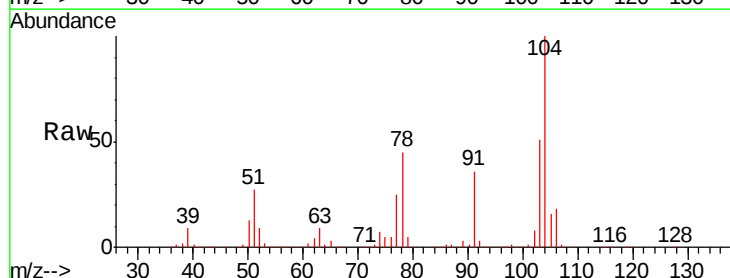
Manual Integrations
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#70
Styrene
Concen: 50.37 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion:104 Resp: 361006
Ion Ratio Lower Upper
104 100
78 50.2 40.0 60.0
103 56.7 44.3 66.5





#71

Bromoform

Concen: 54.71 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 110692

Ion Ratio Lower Upper

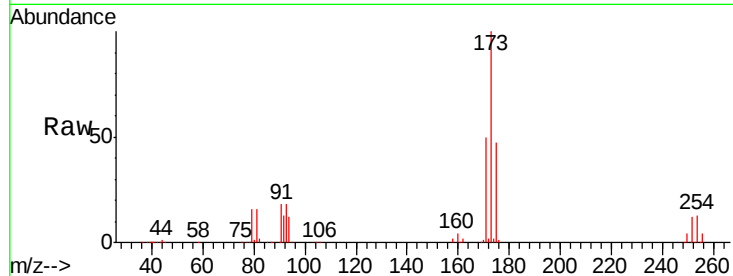
173 100

175 48.5 23.3 69.8

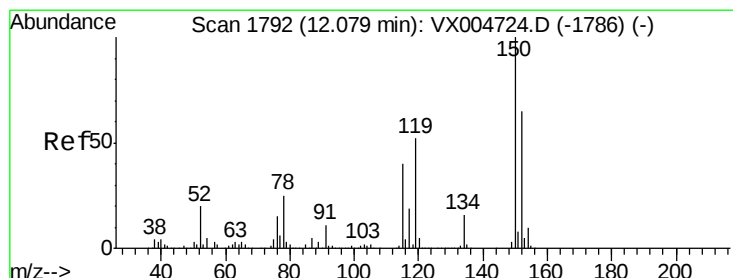
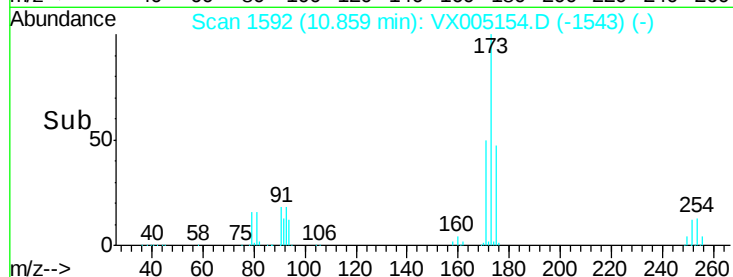
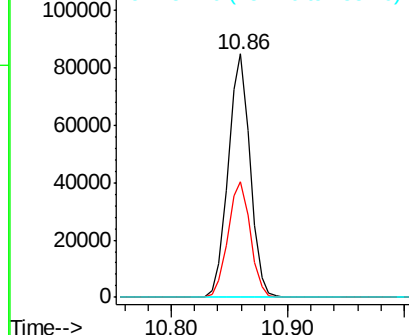
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

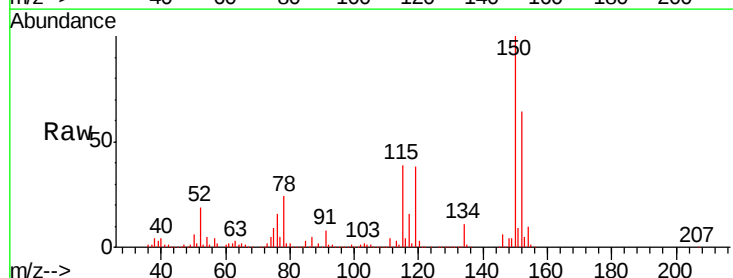
Tgt Ion:152 Resp: 168571

Ion Ratio Lower Upper

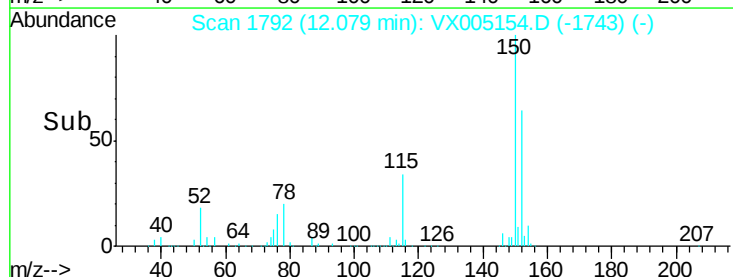
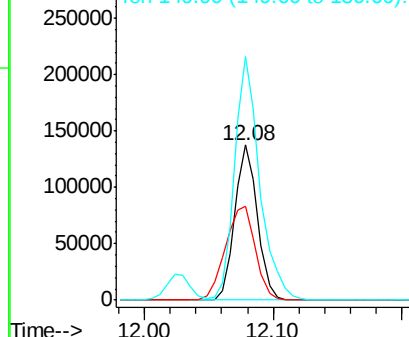
152 100

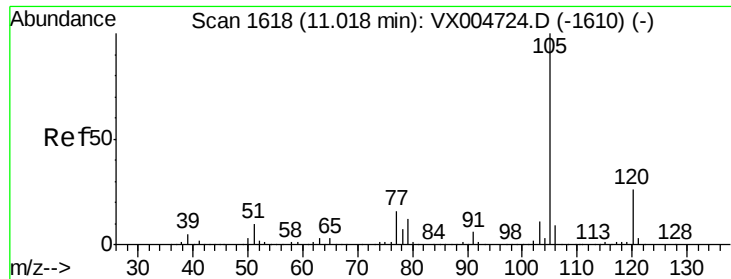
115 80.2 40.2 120.6

150 174.4 0.0 351.0



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





#73

Isopropylbenzene

Concen: 54.60 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 580192

Ion Ratio Lower Upper

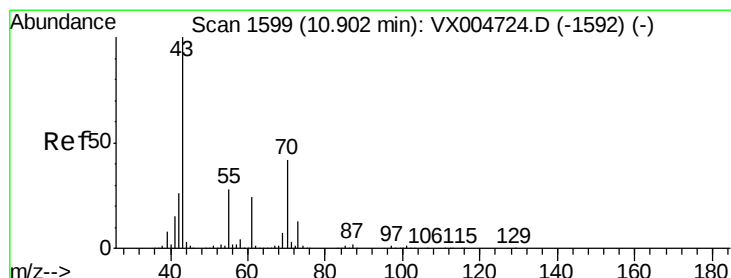
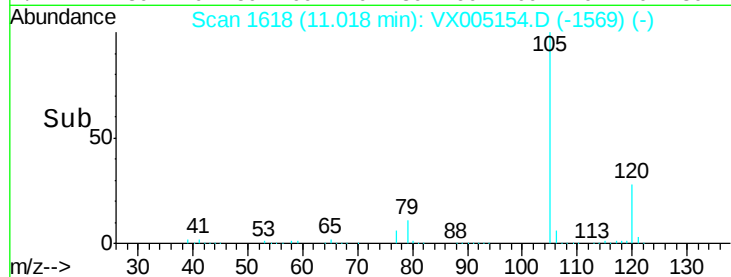
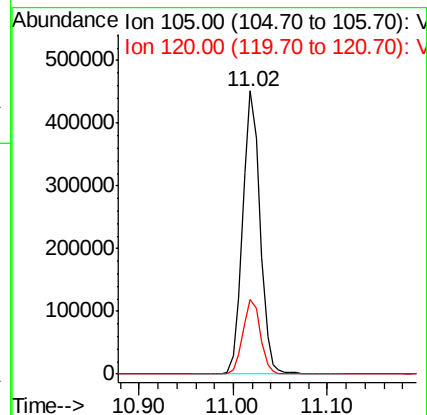
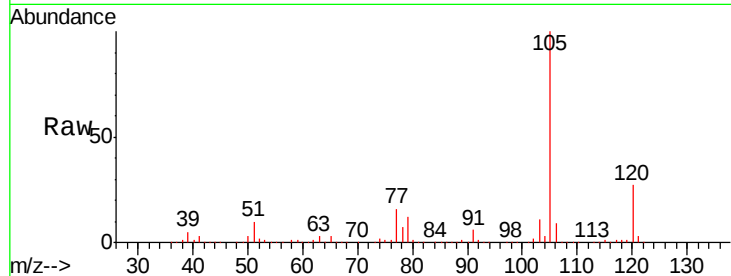
105 100

120 26.7 13.2 39.5

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#74

N-ethyl acetate

Concen: 47.77 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion: 43 Resp: 278493

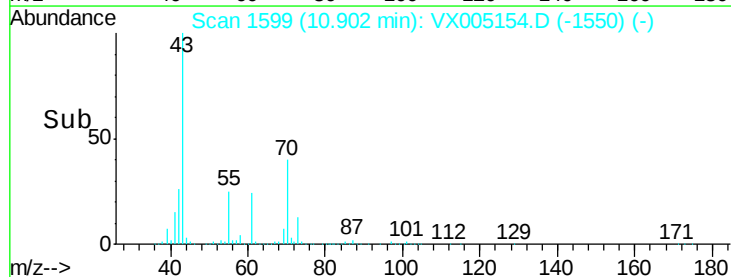
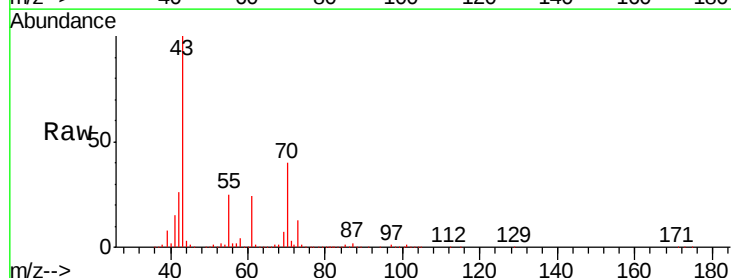
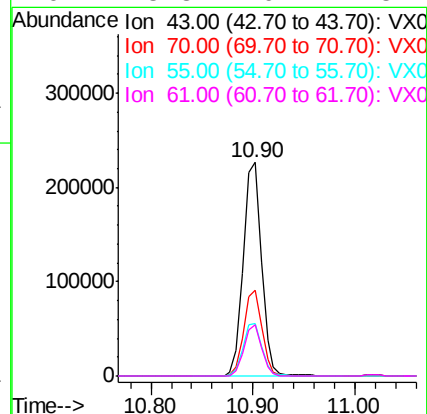
Ion Ratio Lower Upper

43 100

70 40.1 32.6 48.8

55 25.4 21.6 32.4

61 23.3 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.80 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

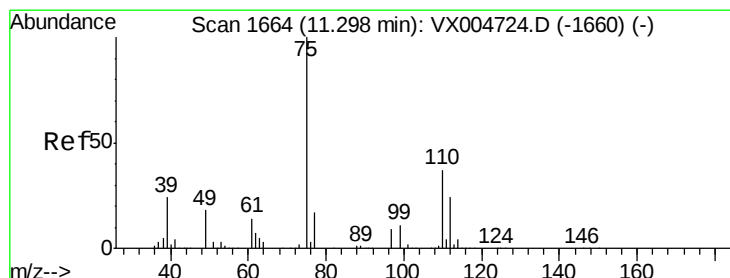
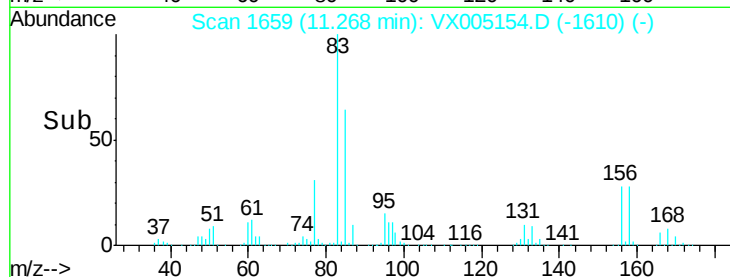
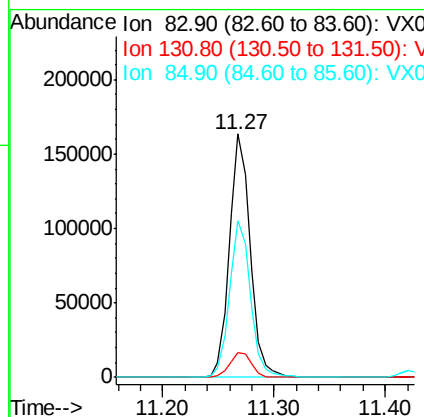
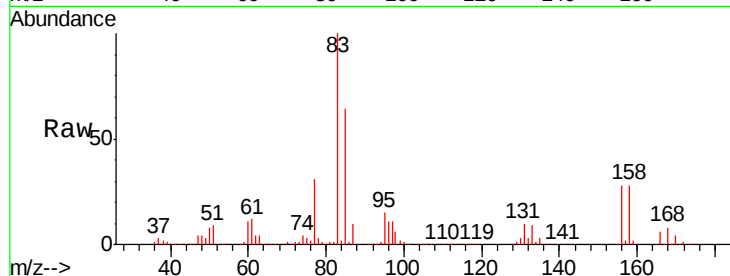
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	211084
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 51.13 ug/l m

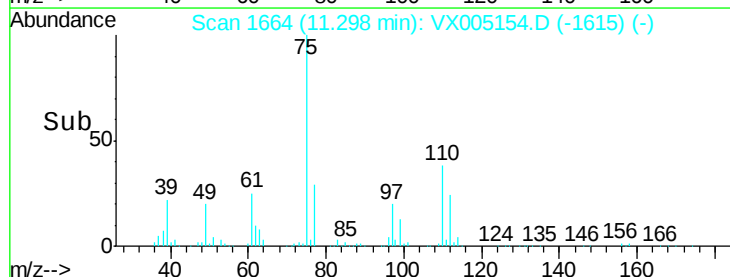
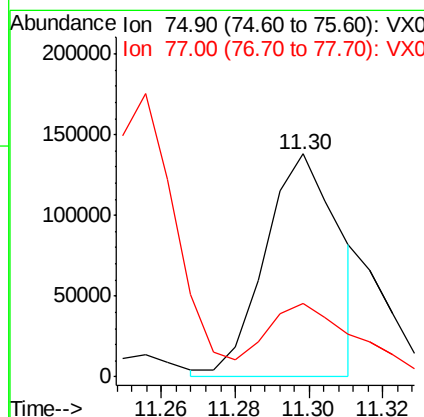
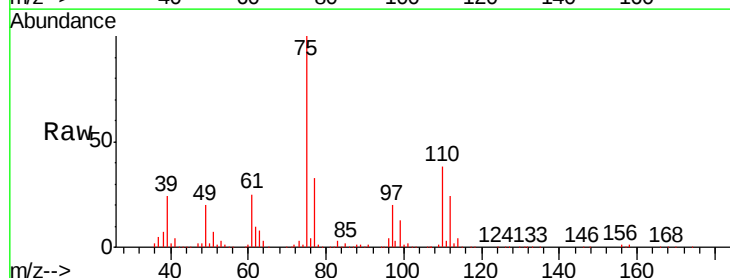
RT: 11.30 min Scan# 1664

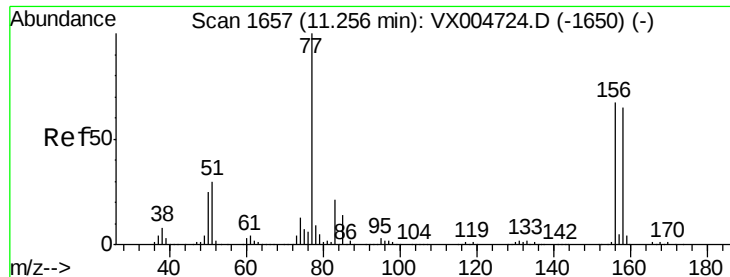
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	75	Resp:	193184
Ion	Ratio	Lower	Upper
75	100		
77	39.7	21.4	64.3





#77

Bromobenzene

Concen: 51.35 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

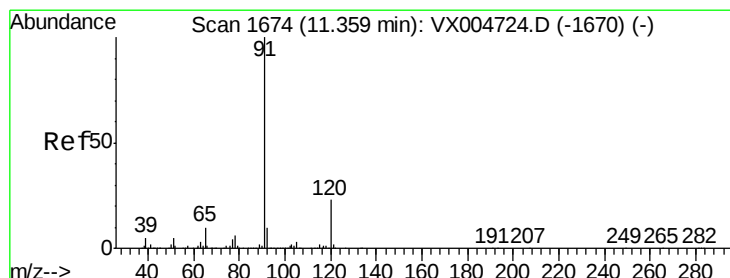
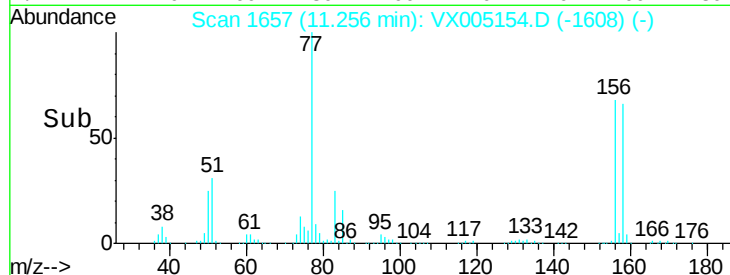
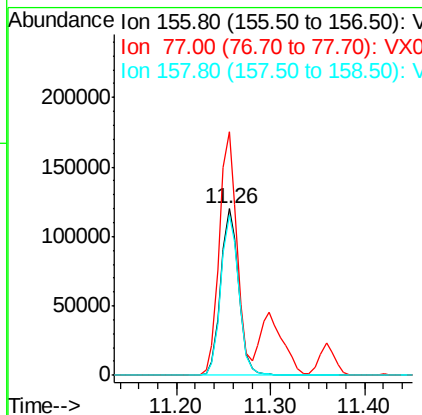
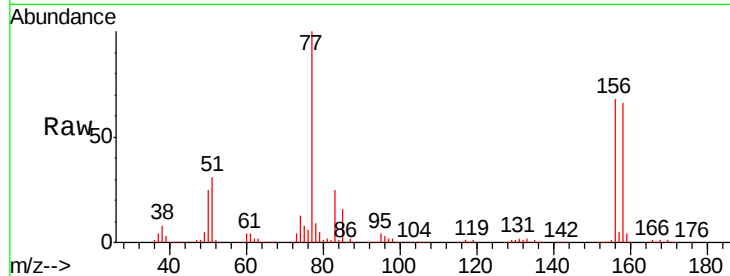
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	158474
Ion Ratio	Lower	Upper	
156	100		
77	144.7	73.4	220.2
158	96.3	49.1	147.4

Manual Integrations
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#78

n-propylbenzene

Concen: 54.36 ug/l

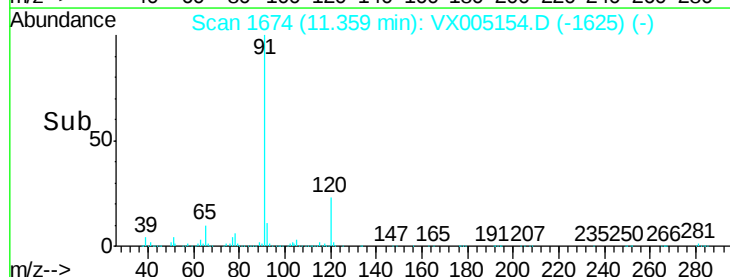
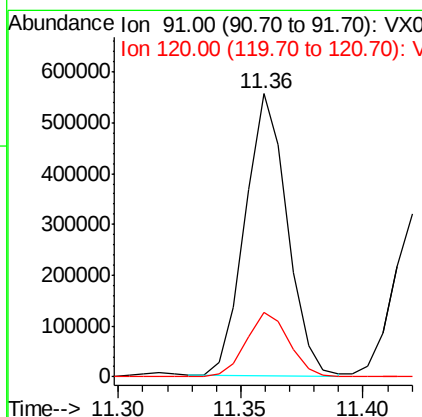
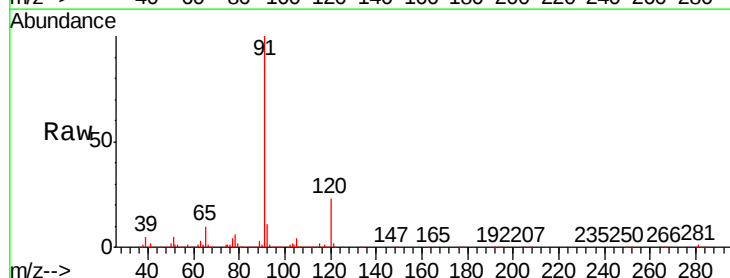
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	91	Resp:	662665
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.48 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 398759

Ion Ratio Lower Upper

91 100

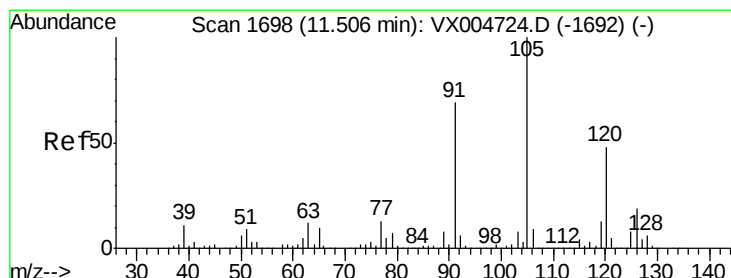
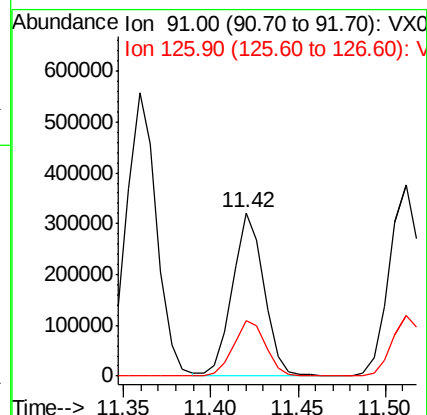
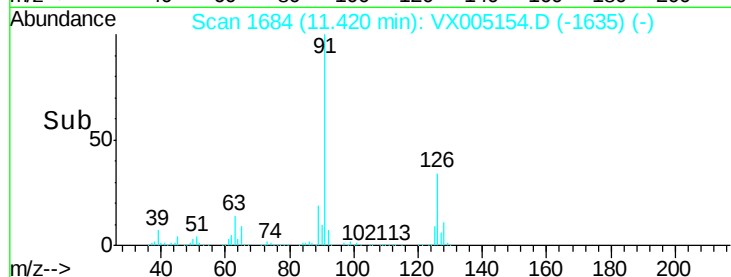
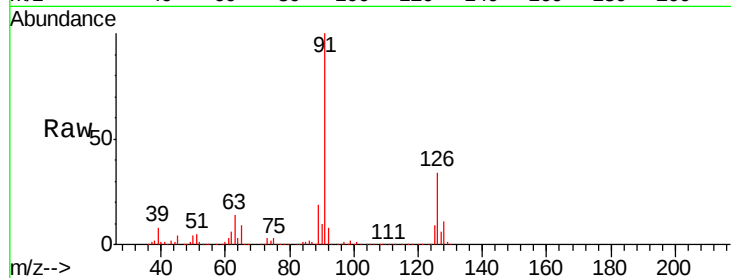
126 35.2 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.78 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005154.D

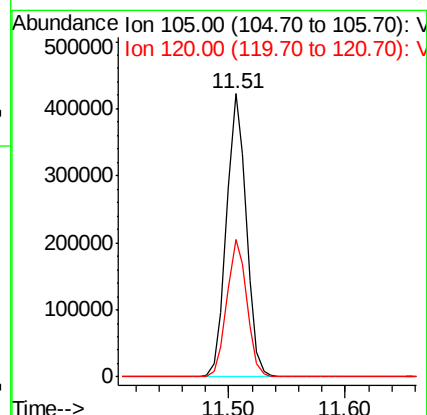
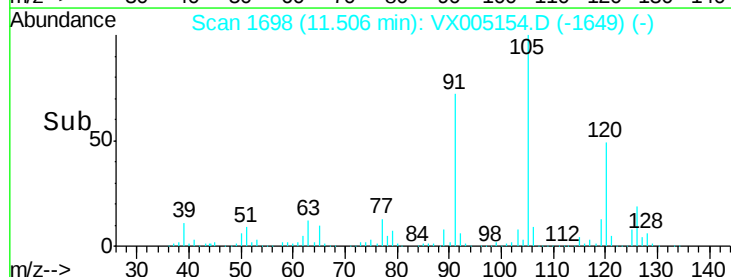
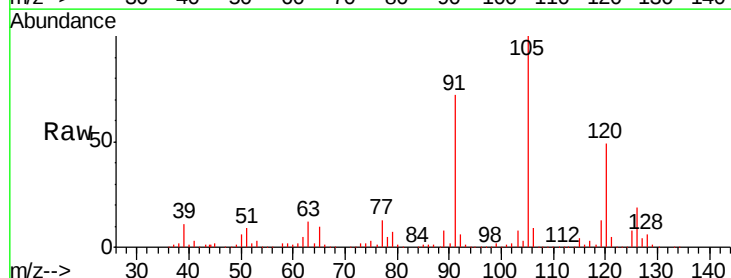
Acq: 09 Oct 2018 04:03

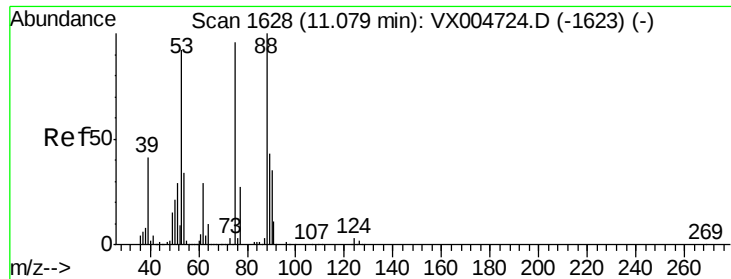
Tgt Ion: 105 Resp: 494536

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 38.51 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Instrument :

MSVOA_X

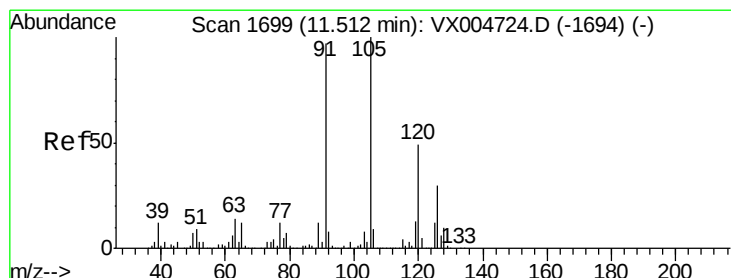
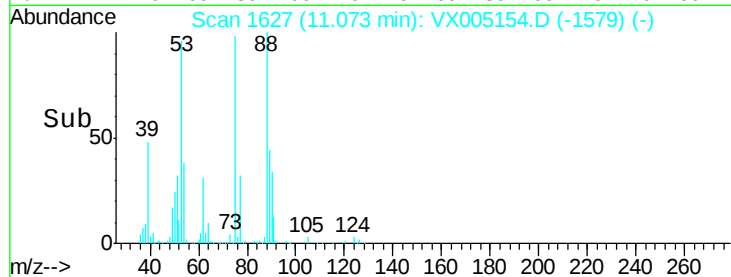
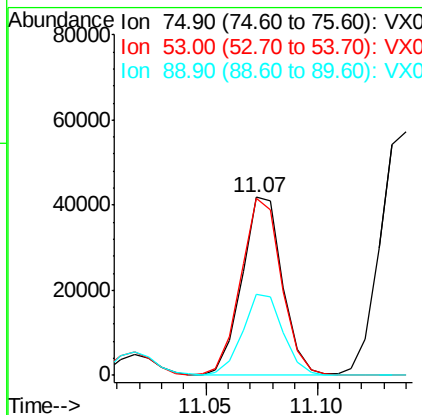
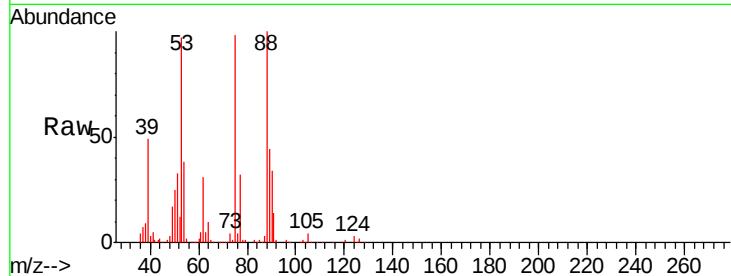
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	52686
Ion Ratio	Lower	Upper	
75	100		
53	100.1	80.2	120.4
89	46.2	37.1	55.7

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#82

4-Chlorotoluene

Concen: 52.56 ug/l

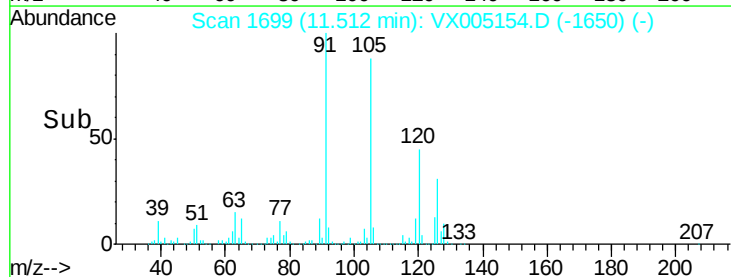
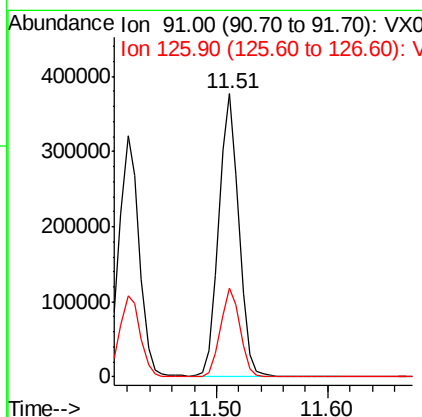
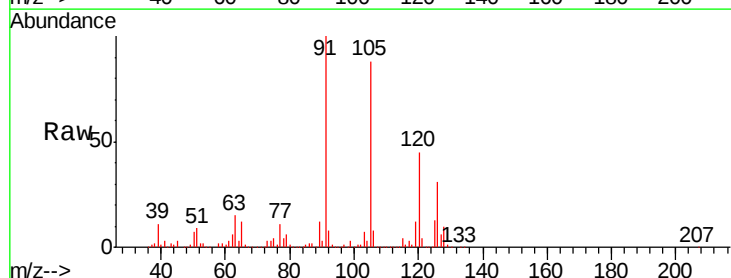
RT: 11.51 min Scan# 1699

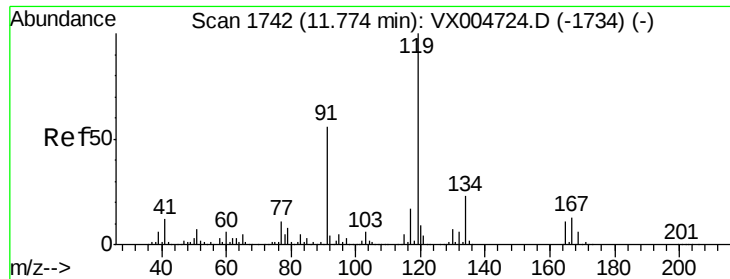
Delta R.T. -0.00 min

Lab File: VX005154.D

Acq: 09 Oct 2018 04:03

Tgt Ion:	91	Resp:	470128
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.5	46.5





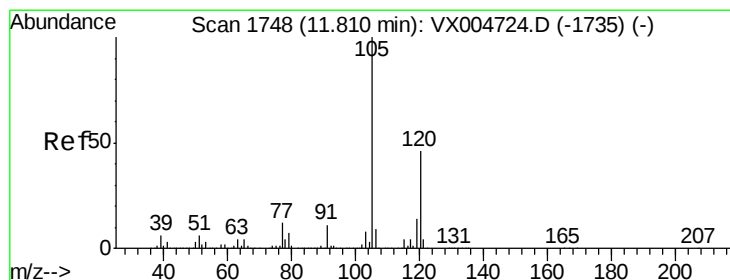
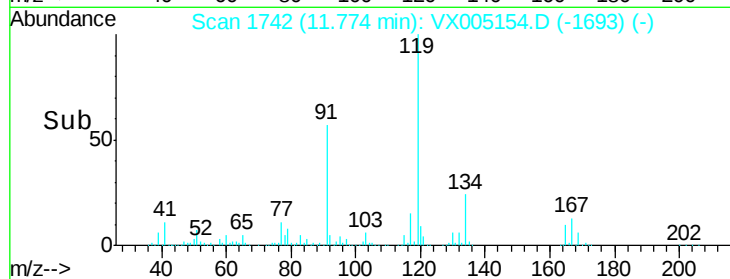
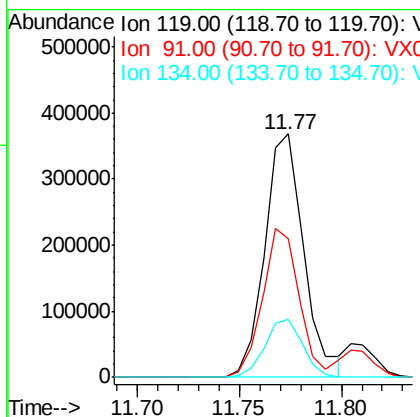
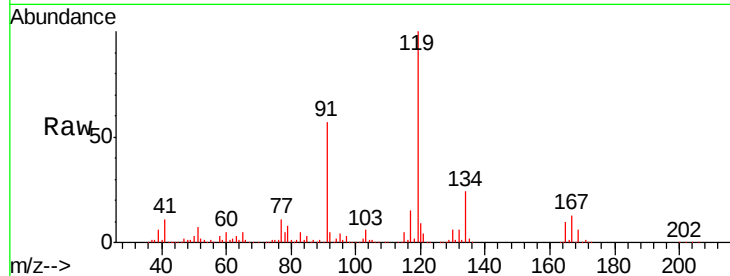
#83
 tert-Butylbenzene
 Concen: 56.21 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.5	82.5
134	23.2	11.5	34.4

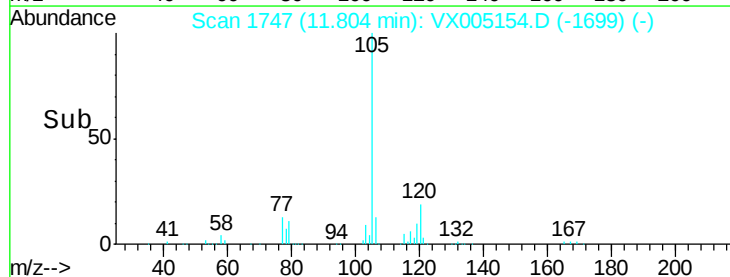
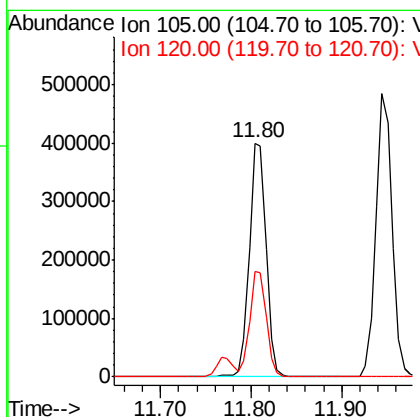
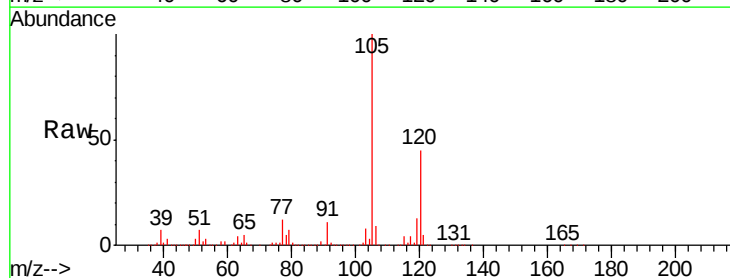
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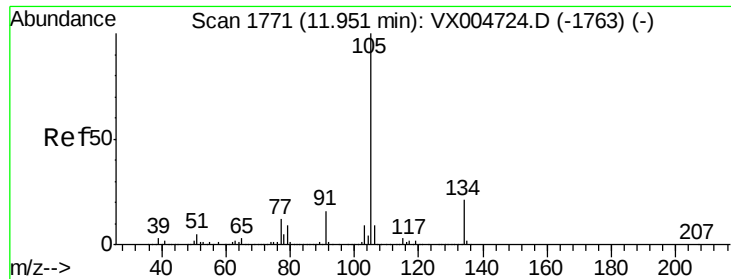
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.21 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3





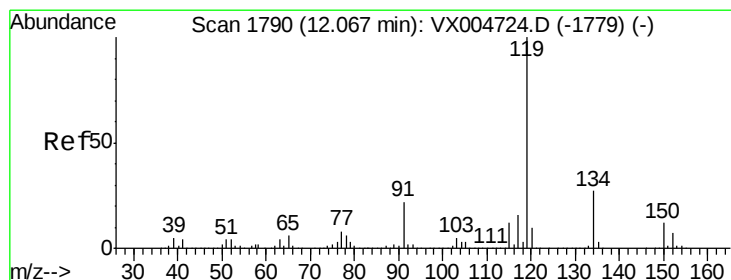
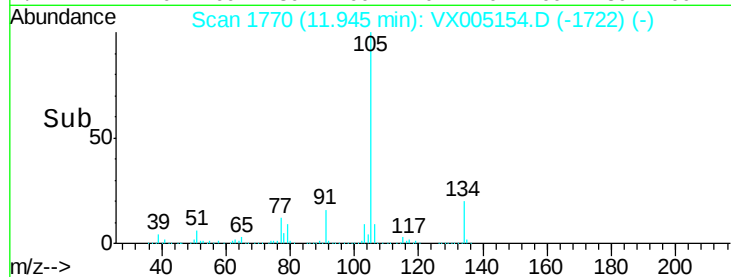
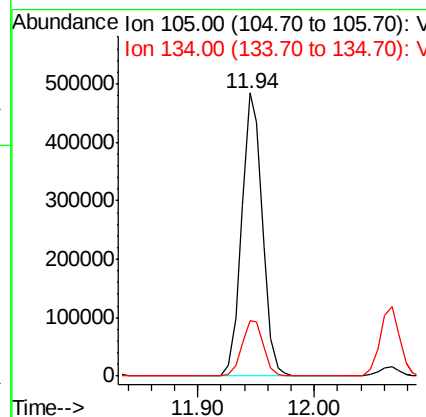
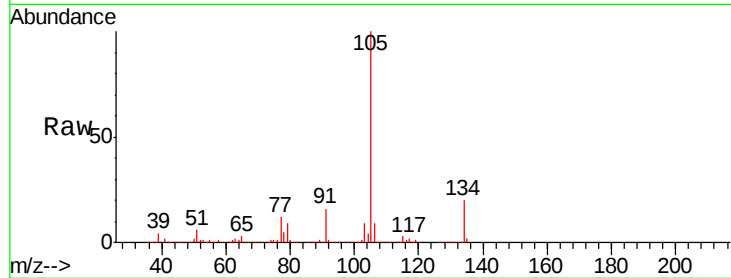
#85
 sec-Butylbenzene
 Concen: 56.14 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	598189		
134	20.4	10.2	30.4	

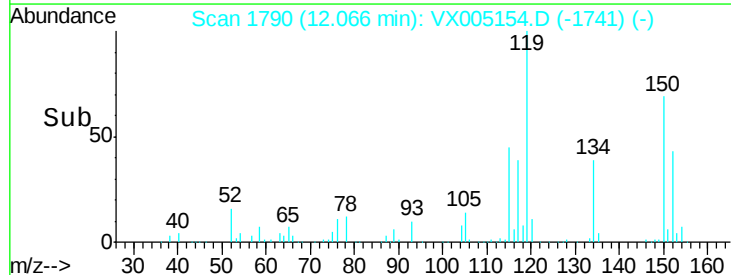
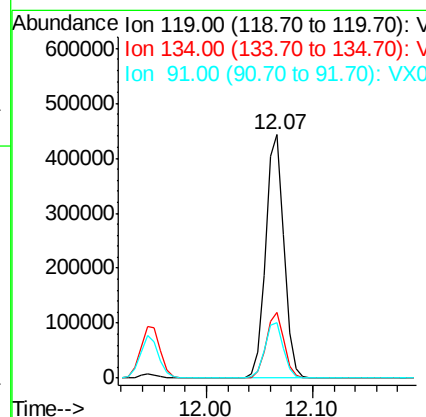
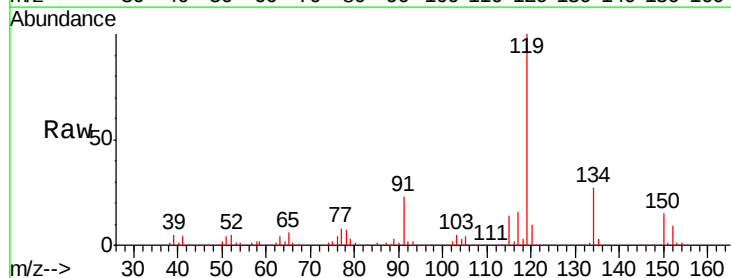
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#86
 p-Isopropyltoluene
 Concen: 55.26 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	533520		
134	26.5	13.4	40.1	
91	23.1	11.5	34.4	





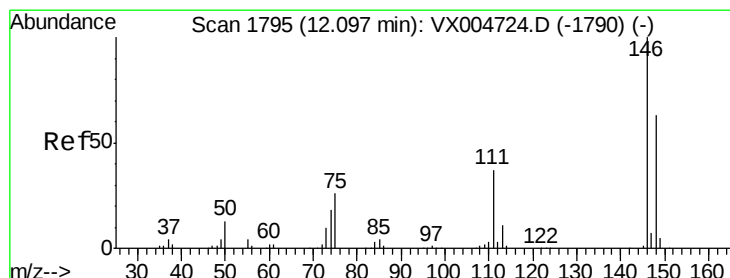
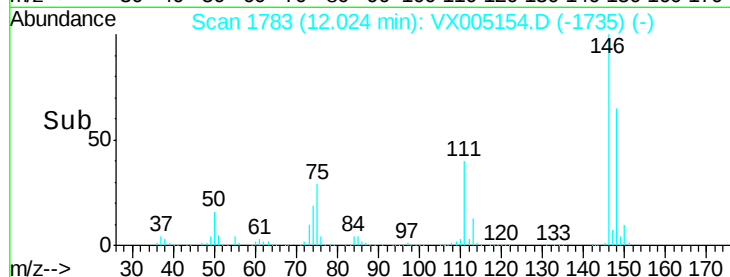
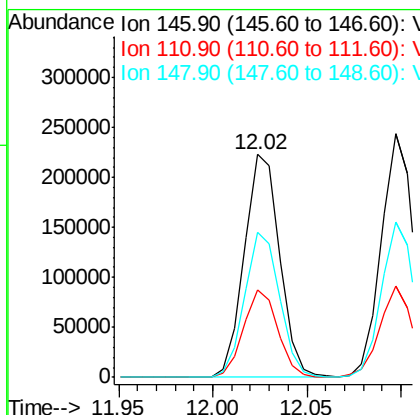
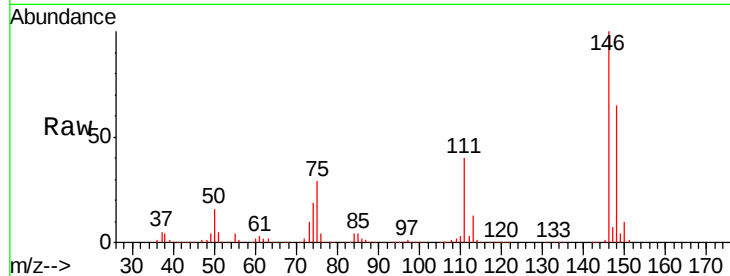
#87
 1,3-Dichlorobenzene
 Concen: 50.61 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	64.3	31.8	95.3

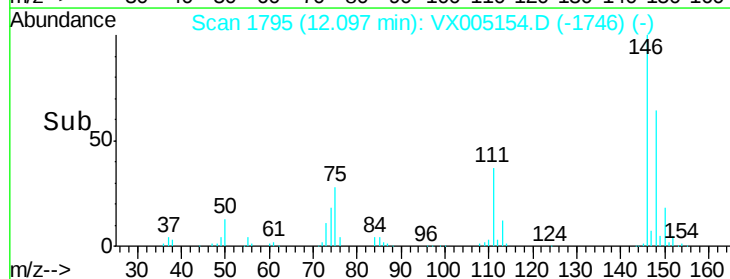
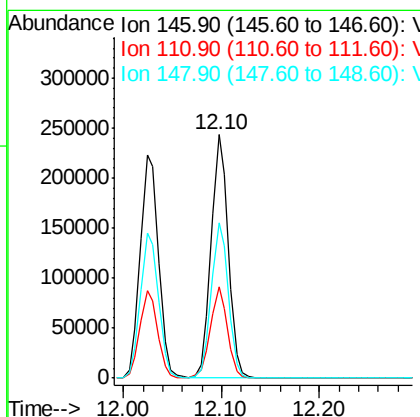
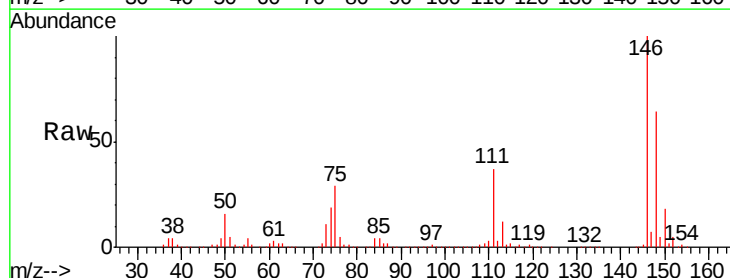
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#88
 1,4-Dichlorobenzene
 Concen: 49.77 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.3	32.0	96.0





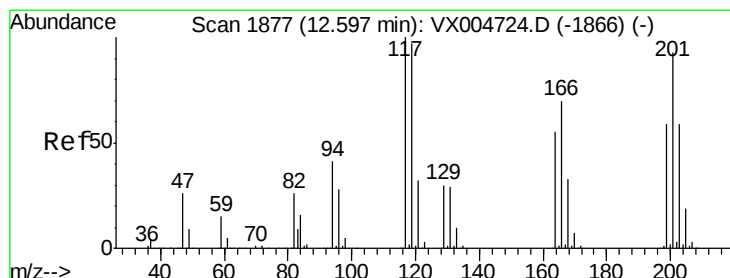
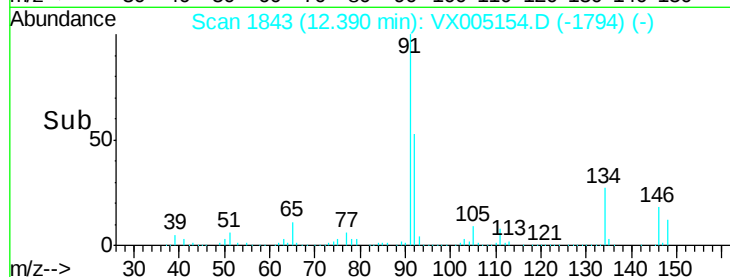
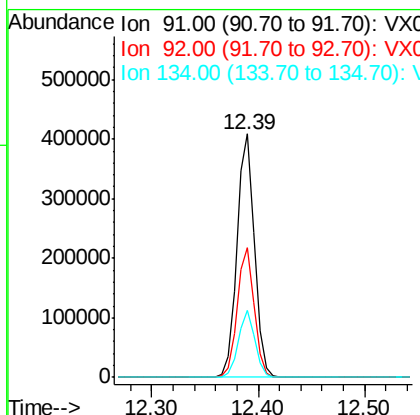
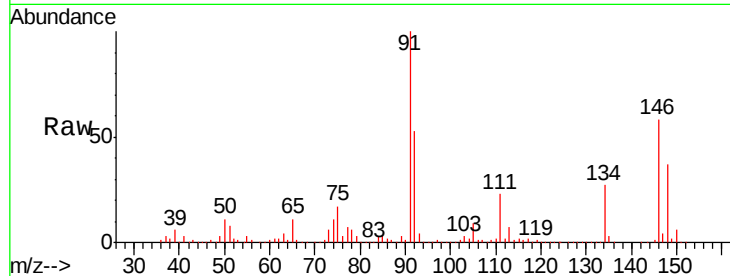
#89
n-Butylbenzene
Concen: 53.41 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 468303
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 26.4 13.2 39.6

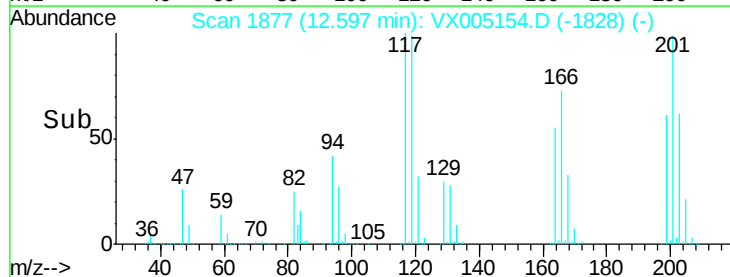
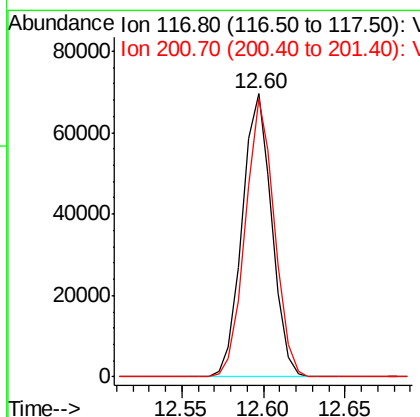
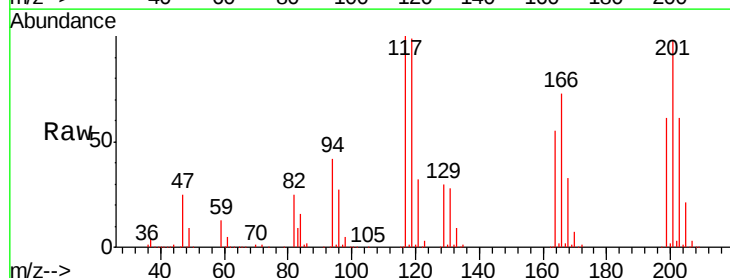
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#90
Hexachloroethane
Concen: 54.68 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion: 117 Resp: 87884
Ion Ratio Lower Upper
117 100
201 96.5 48.4 145.0





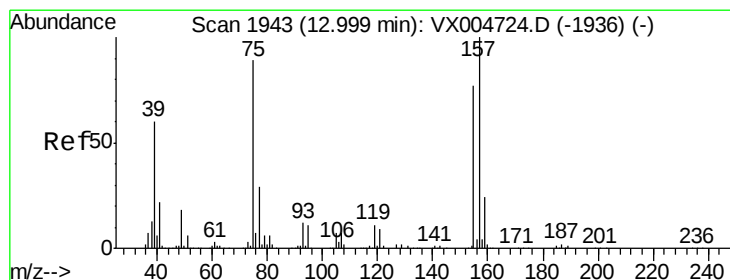
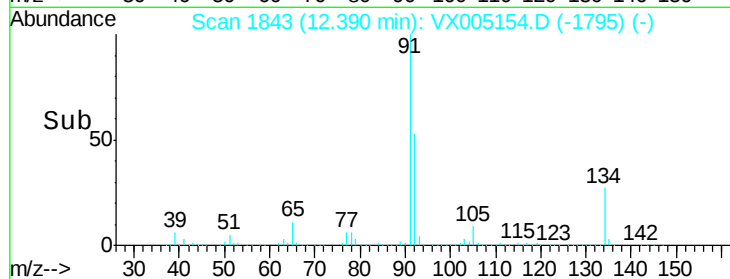
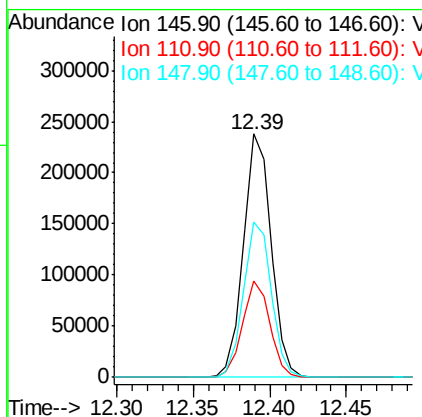
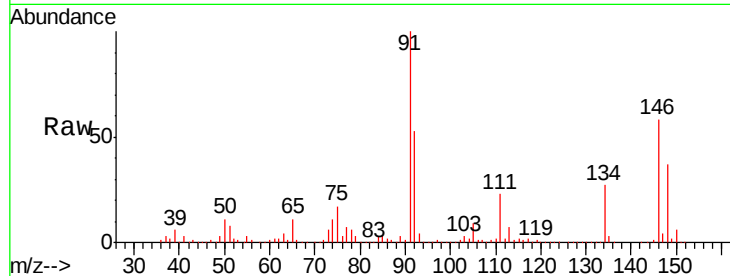
#91
 1,2-Dichlorobenzene
 Concen: 49.63 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.4	31.8	95.4

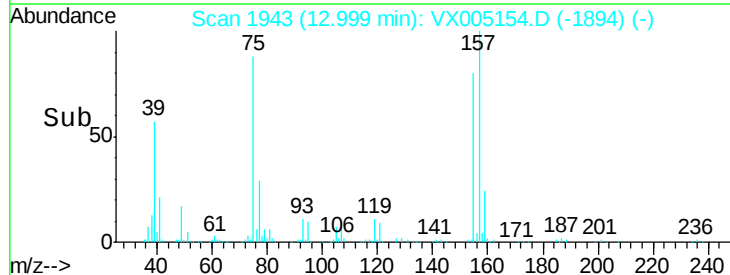
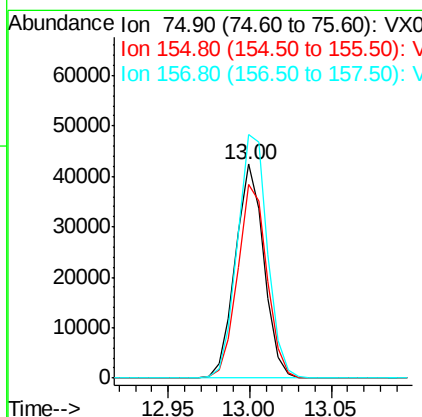
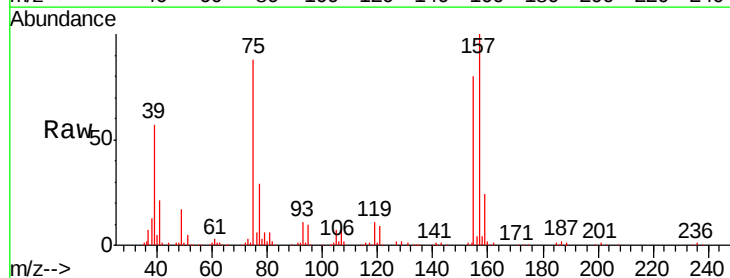
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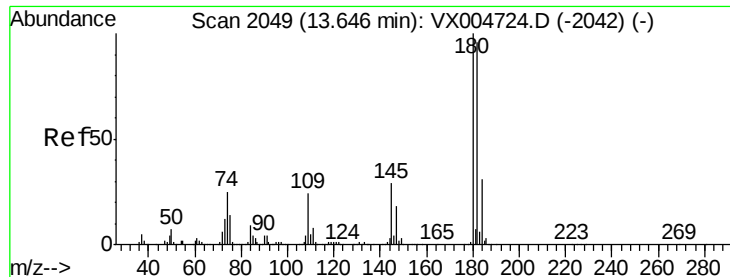
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.19 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	46.1	138.3
157	120.4	60.2	180.6





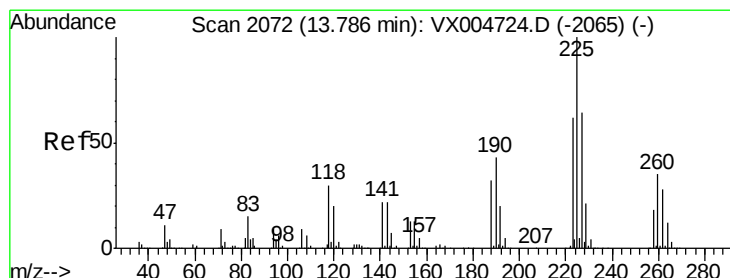
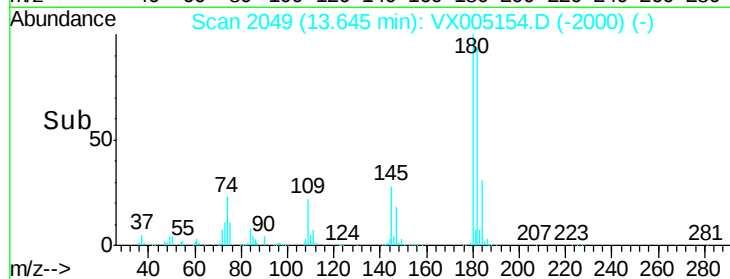
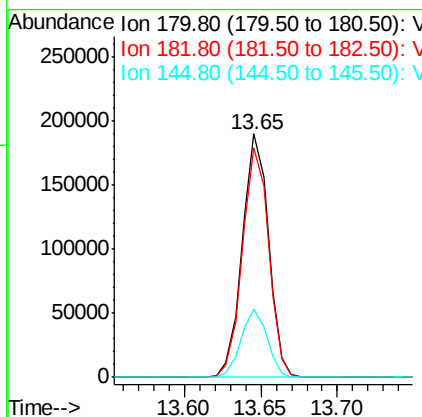
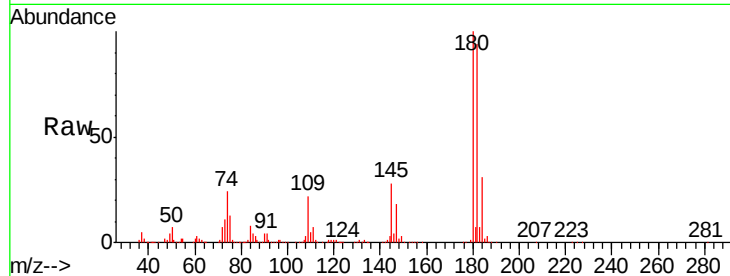
#93
 1,2,4-Trichlorobenzene
 Concen: 53.59 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	226387		
182	94.6	47.8	143.4	
145	27.9	14.1	42.4	

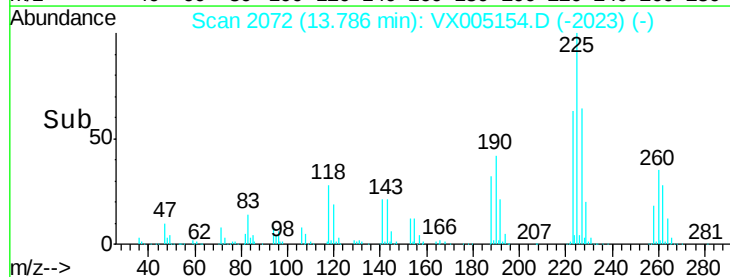
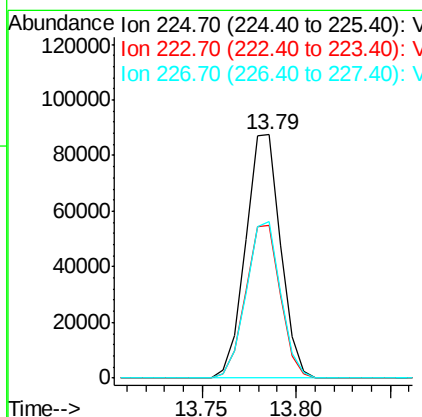
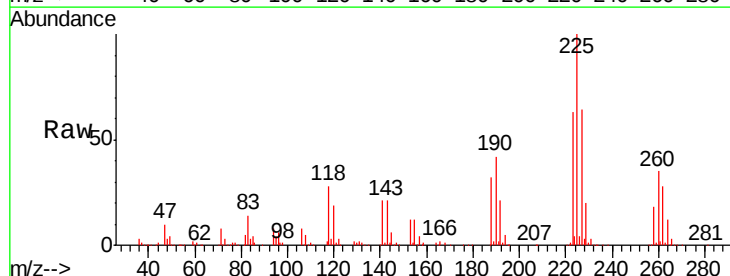
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#94
 Hexachlorobutadiene
 Concen: 51.47 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005154.D
 Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112762		
223	62.2	31.3	93.8	
227	63.0	31.9	95.5	





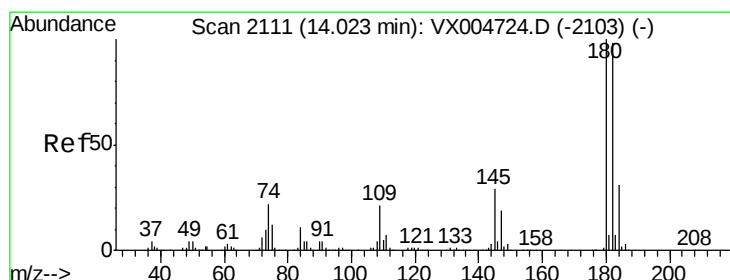
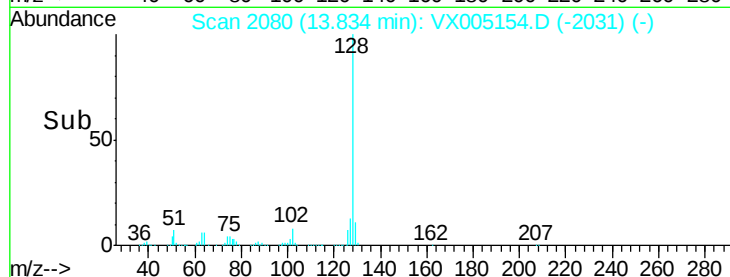
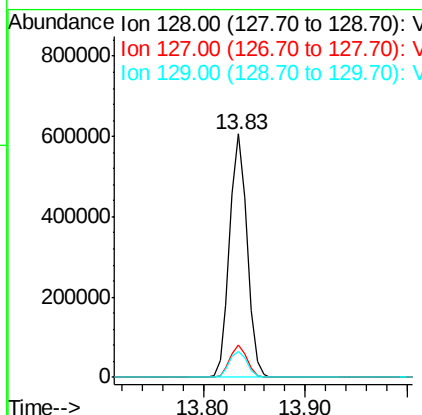
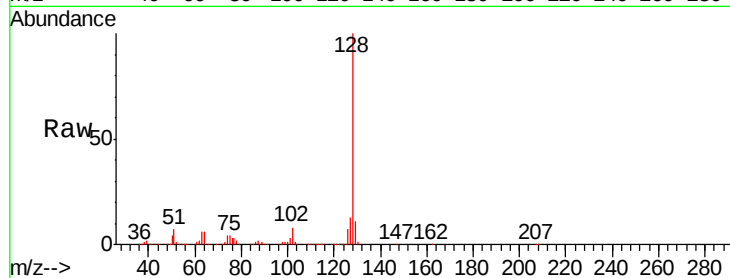
#95
Naphthalene
Concen: 51.00 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	715259		
127	13.0		10.4	15.6
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2018 1:47:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.43 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005154.D
Acq: 09 Oct 2018 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	233188		
182	96.5		47.9	143.8
145	30.0		15.0	45.0

