

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005327.D
 Acq On : 13 Oct 2018 07:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:06:35 AM

Quant Time: Oct 15 01:27:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	259435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387560	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	145165	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	5.50	113	117937	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	8.71	98	458983	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.14	95	174162	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108680	53.58	ug/l	99
3) Chloromethane	1.32	50	141239	48.05	ug/l	100
4) Vinyl Chloride	1.41	62	144884	48.66	ug/l	99
5) Bromomethane	1.64	94	89250	53.04	ug/l	97
6) Chloroethane	1.71	64	92670	53.00	ug/l	97
7) Trichlorofluoromethane	1.92	101	207140	52.13	ug/l	94
8) Diethyl Ether	2.19	74	88763	52.31	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	118899	51.85	ug/l	96
10) Methyl Iodide	2.51	142	149520	58.99	ug/l	100
11) Tert butyl alcohol	3.08	59	218823	269.42	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119354	52.53	ug/l	93
13) Acrolein	2.29	56	117625	226.75	ug/l	96
14) Allyl chloride	2.73	41	253075	50.73	ug/l	94
15) Acrylonitrile	3.15	53	473447	257.23	ug/l	97
16) Acetone	2.45	43	418407	251.33	ug/l	96
17) Carbon Disulfide	2.56	76	337203	48.99	ug/l	98
18) Methyl Acetate	2.78	43	257299	54.32	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	442954	55.35	ug/l	96
20) Methylene Chloride	2.85	84	142879	59.14	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	129394	51.39	ug/l	98
22) Diisopropyl ether	3.87	45	455018	54.30	ug/l	96
23) Vinyl Acetate	3.82	43	1958572	267.43	ug/l	97
24) 1,1-Dichloroethane	3.70	63	256426	53.40	ug/l	98
25) 2-Butanone	4.70	43	636650	261.37	ug/l #	87
26) 2,2-Dichloropropane	4.58	77	121563	33.85	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	139553	50.99	ug/l	98
28) Bromochloromethane	5.02	49	113404	51.80	ug/l	97
29) Tetrahydrofuran	5.15	42	402417	259.00	ug/l	94
30) Chloroform	5.21	83	230566	51.73	ug/l	99
31) Cyclohexane	5.57	56	208375	52.65	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	204783	52.80	ug/l	98
36) 1,1-Dichloropropene	5.80	75	172659	46.00	ug/l	100
37) Ethyl Acetate	4.85	43	223451	46.29	ug/l	99
38) Carbon Tetrachloride	5.78	117	175395	46.51	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	197576	48.64	ug/l	94
40) Benzene	6.14	78	522612	46.41	ug/l	98
41) Methacrylonitrile	5.06	41	126258	48.79	ug/l	96
42) 1,2-Dichloroethane	6.20	62	184421	46.39	ug/l	98
43) Isopropyl Acetate	6.46	43	340326	52.93	ug/l	98
44) Trichloroethene	7.21	130	142660	49.62	ug/l	97
45) 1,2-Dichloropropane	7.52	63	141295	51.16	ug/l	99
46) Dibromomethane	7.66	93	89978	49.36	ug/l	99
47) Bromodichloromethane	7.90	83	170608	50.60	ug/l	99
48) Methyl methacrylate	7.77	41	175368	52.58	ug/l	95
49) 1,4-Dioxane	7.76	88	79414	1032.41	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1197317	268.92	ug/l	96
52) Toluene	8.79	92	333923	54.21	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	184115	50.45	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	199895	50.56	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	136943	52.49	ug/l	97
56) Ethyl methacrylate	9.18	69	216931	57.03	ug/l	95
57) 1,3-Dichloropropane	9.37	76	229420	52.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	593887	278.41	ug/l	96
59) 2-Hexanone	9.50	43	955851	266.89	ug/l	94
60) Dibromochloromethane	9.59	129	140783	52.20	ug/l	99
61) 1,2-Dibromoethane	9.67	107	142000	51.86	ug/l	99
64) Tetrachloroethene	9.34	164	148147	50.20	ug/l	98
65) Chlorobenzene	10.14	112	375157	48.11	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	135782	48.86	ug/l	99
67) Ethyl Benzene	10.25	91	646526	51.00	ug/l	97
68) m/p-Xylenes	10.36	106	499761	101.57	ug/l	95
69) o-Xylene	10.70	106	242748	51.16	ug/l	98
70) Styrene	10.71	104	412275	52.82	ug/l	98
71) Bromoform	10.86	173	119718	48.21	ug/l	100
73) Isopropylbenzene	11.02	105	660998	52.47	ug/l	100
74) N-amyl acetate	10.90	43	323810	53.30	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	227879	47.96	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	209790m	51.04	ug/l	
77) Bromobenzene	11.26	156	178972	49.69	ug/l	99
78) n-propylbenzene	11.36	91	760048	52.43	ug/l	100
79) 2-Chlorotoluene	11.42	91	448990	50.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	562434	52.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	57328	42.38	ug/l	98
82) 4-Chlorotoluene	11.51	91	532523	50.60	ug/l	100
83) tert-Butylbenzene	11.77	119	560811	51.34	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	582553	52.48	ug/l	98
85) sec-Butylbenzene	11.94	105	675113	52.23	ug/l	99
86) p-Isopropyltoluene	12.07	119	606518	51.91	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	329120	48.90	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	335821	48.78	ug/l	99
89) n-Butylbenzene	12.39	91	537161	50.63	ug/l	98
90) Hexachloroethane	12.60	117	97674	48.51	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	337370	49.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55508	47.89	ug/l	100

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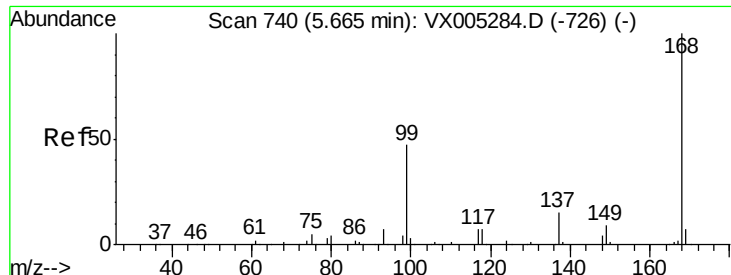
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	257584	51.12	ug/l	99
94) Hexachlorobutadiene	13.79	225	124892	46.93	ug/l	97
95) Naphthalene	13.83	128	800164	54.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	263844	51.18	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 259435

Ion Ratio Lower Upper

168 100

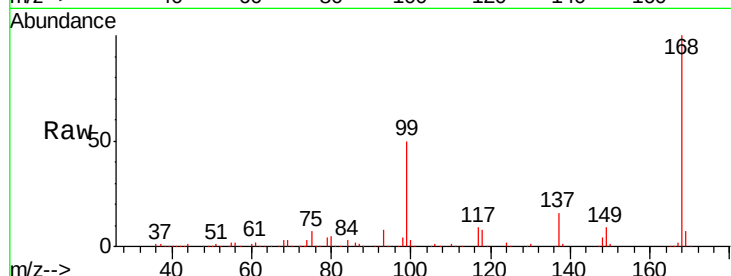
99 49.6 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

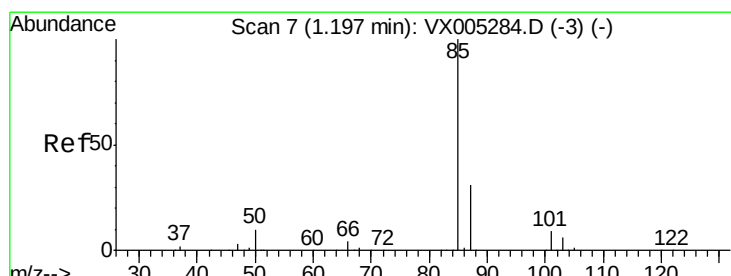
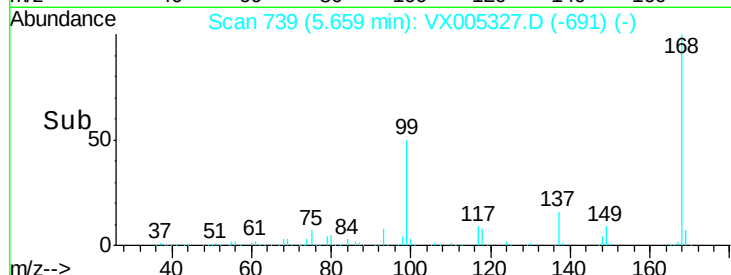
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.58 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005327.D

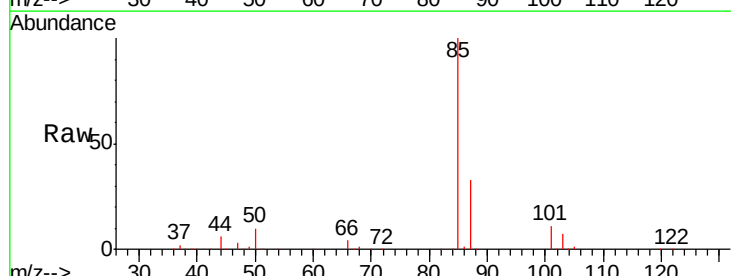
Acq: 13 Oct 2018 07:10

Tgt Ion: 85 Resp: 108680

Ion Ratio Lower Upper

85 100

87 33.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

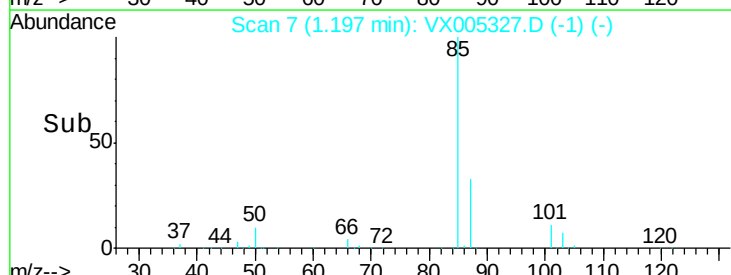
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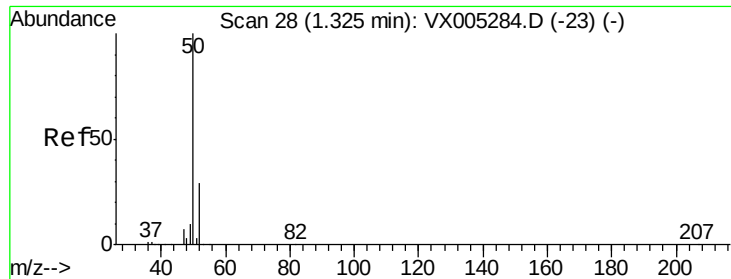
40000

20000

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Time-->





#3

Chloromethane

Concen: 48.05 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 141239

Ion Ratio Lower Upper

50 100

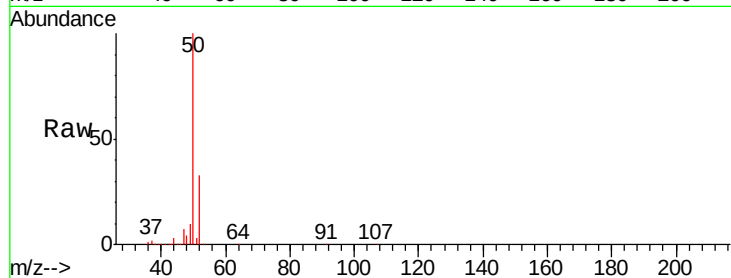
52 32.8 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

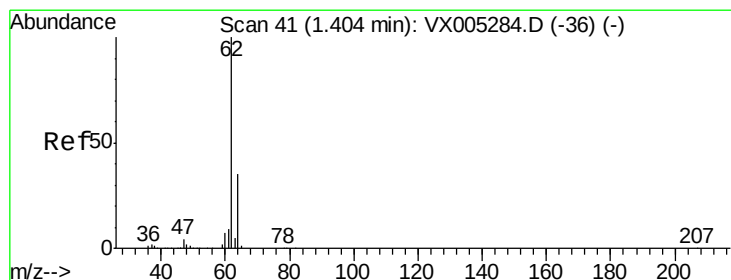
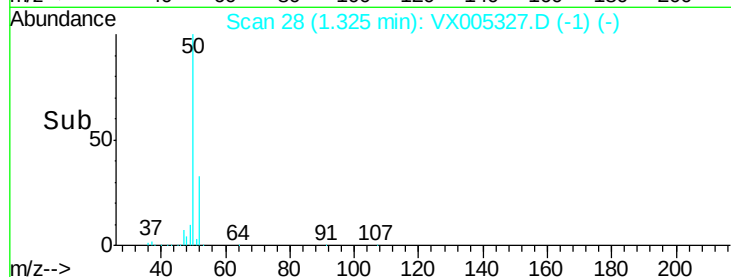
1.32

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 48.66 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005327.D

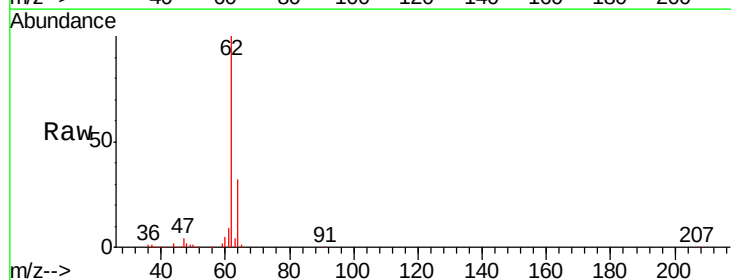
Acq: 13 Oct 2018 07:10

Tgt Ion: 62 Resp: 144884

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

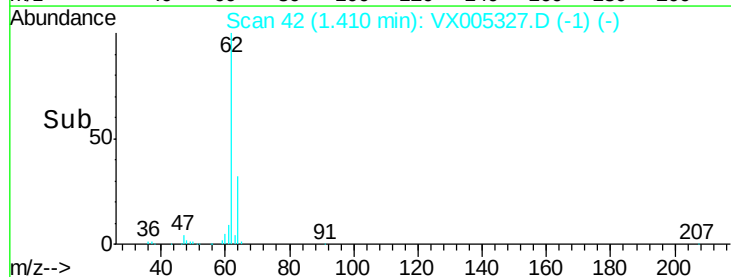
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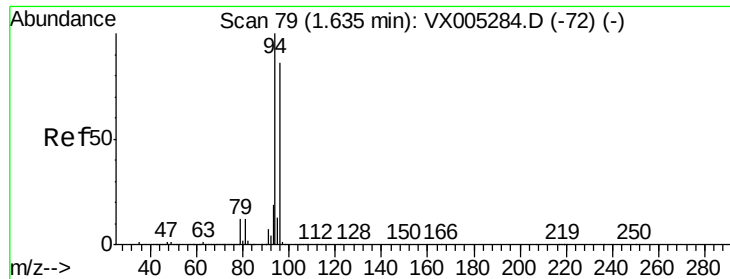
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 53.04 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 89250

Ion Ratio Lower Upper

94 100

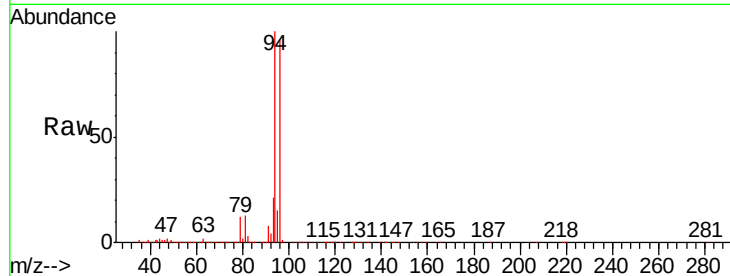
96 95.9 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

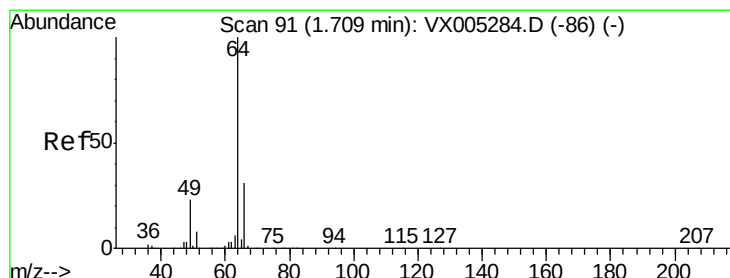
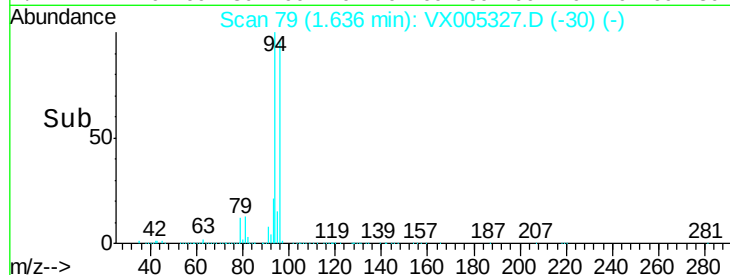
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 53.00 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005327.D

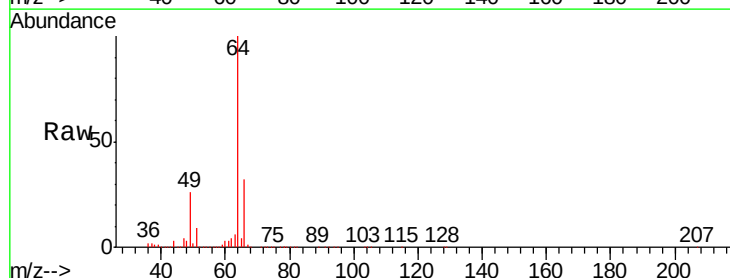
Acq: 13 Oct 2018 07:10

Tgt Ion: 64 Resp: 92670

Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

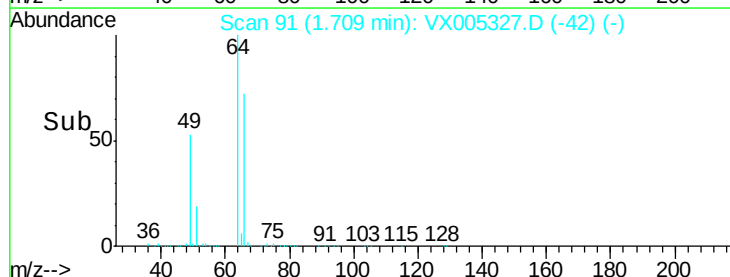
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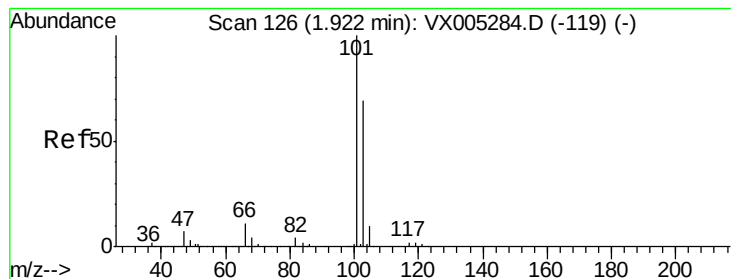
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20000

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Time-->





#7

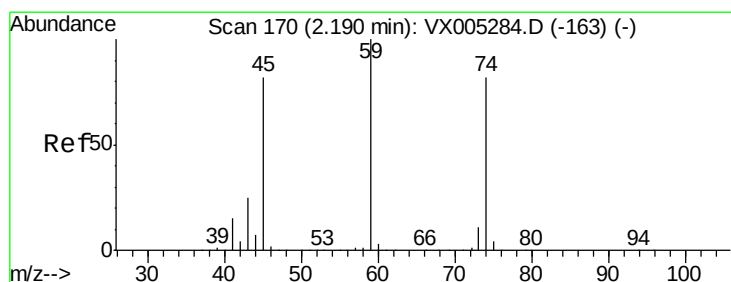
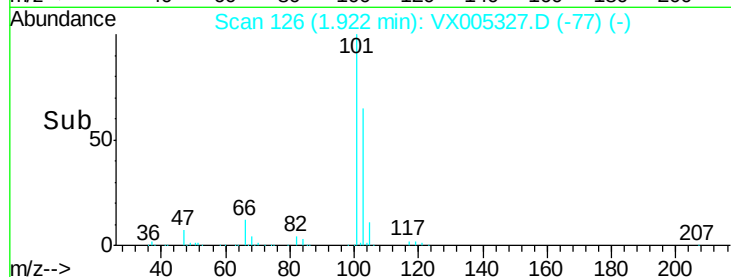
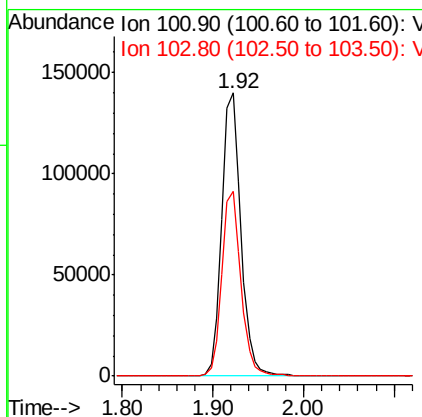
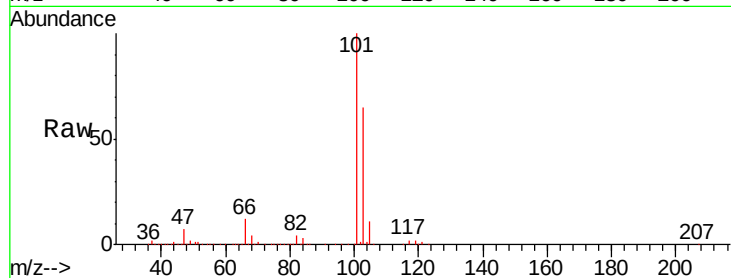
Trichlorofluoromethane
 Concen: 52.13 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.3	48.9	73.3

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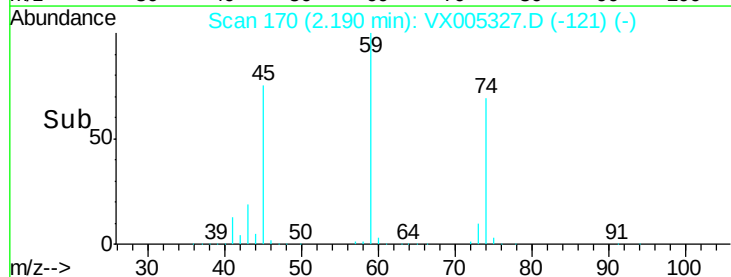
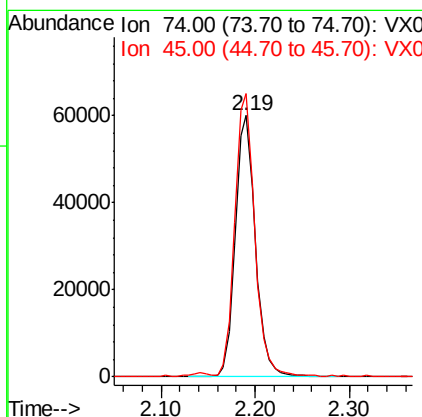
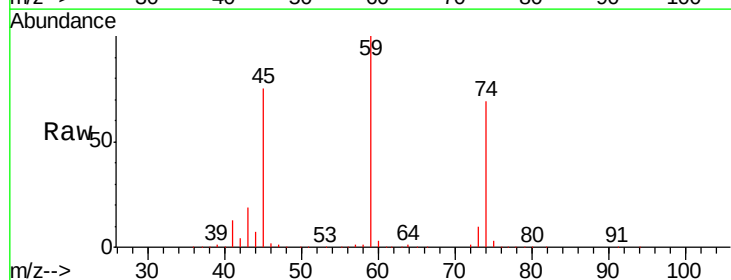
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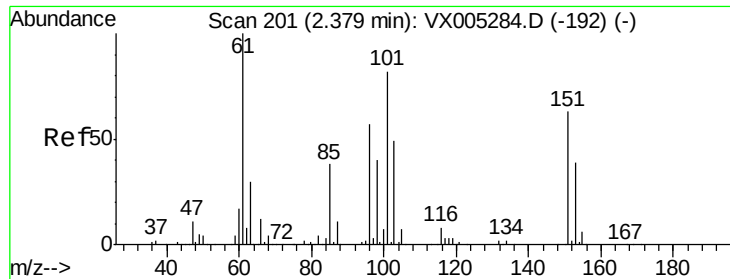


#8

Diethyl Ether
 Concen: 52.31 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.85 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

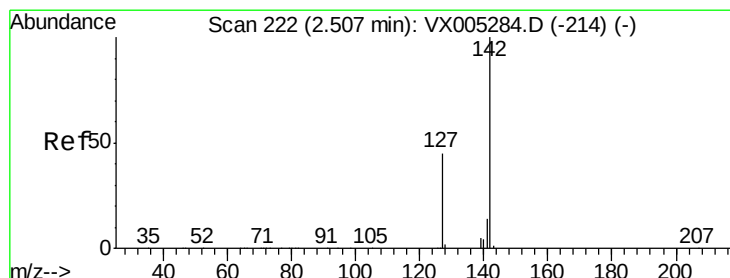
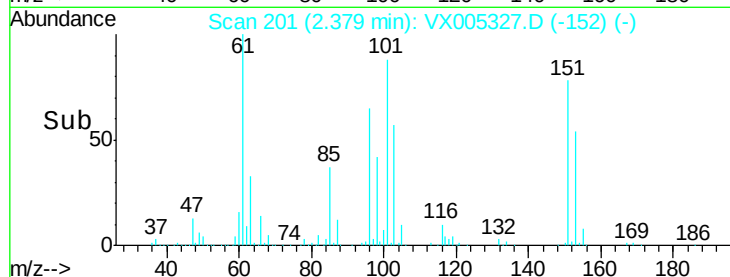
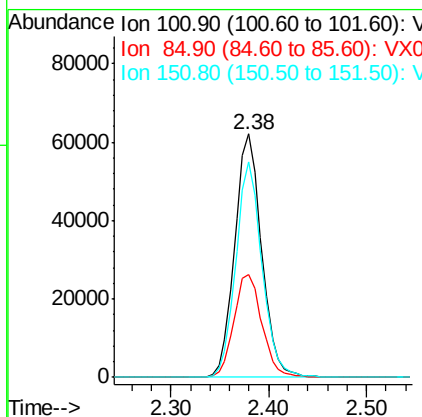
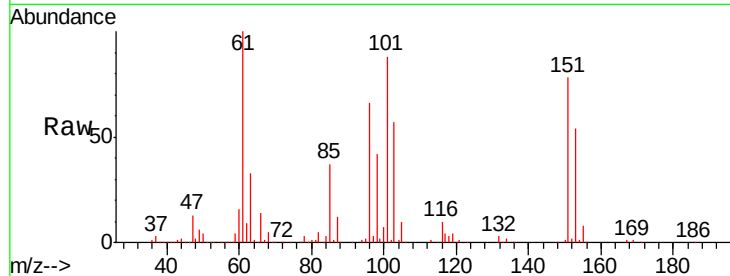
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	118899
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.2	51.4
151	86.4	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 58.99 ug/l

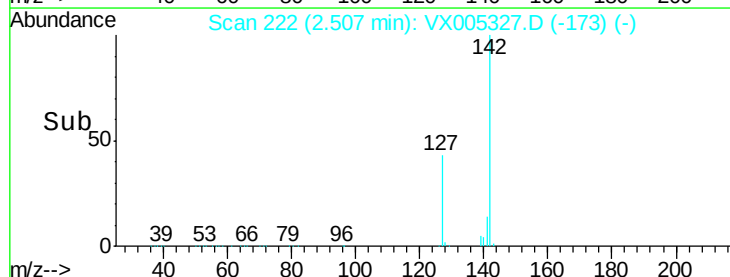
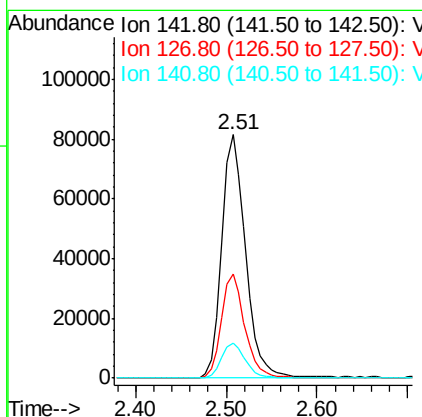
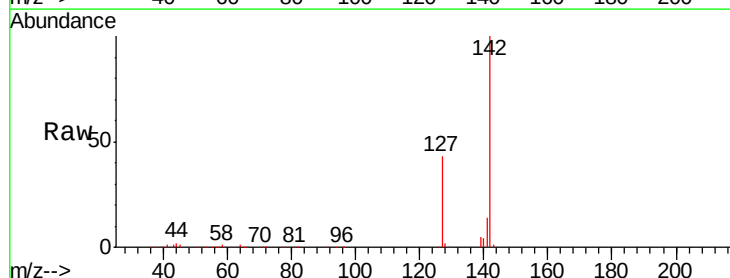
RT: 2.51 min Scan# 222

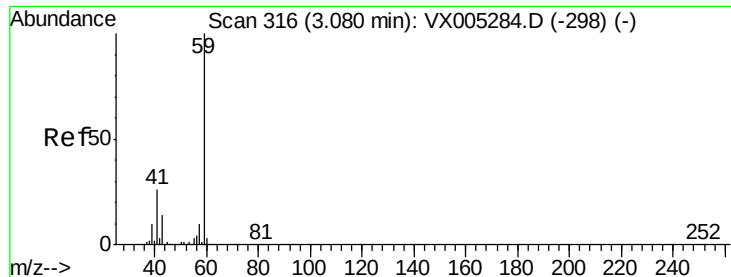
Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	142	Resp:	149520
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.8	50.6
141	14.4	11.4	17.0





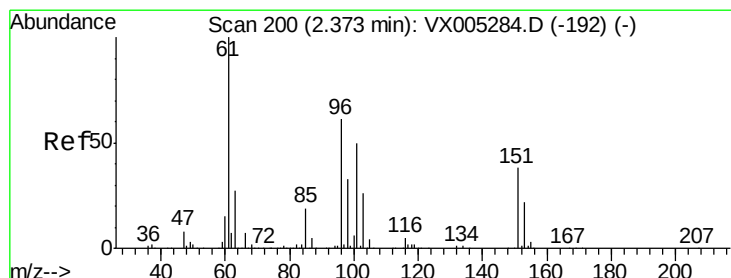
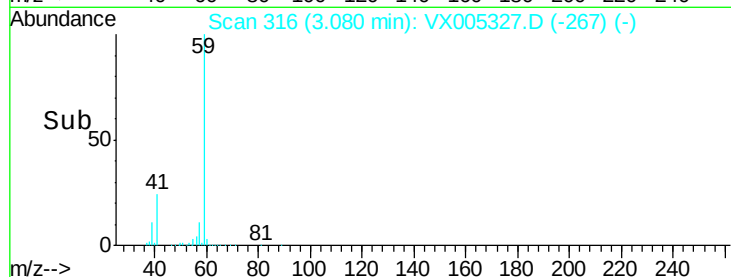
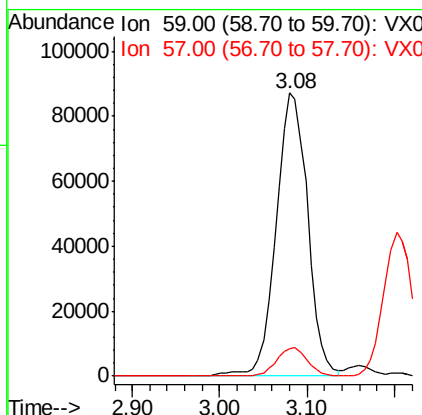
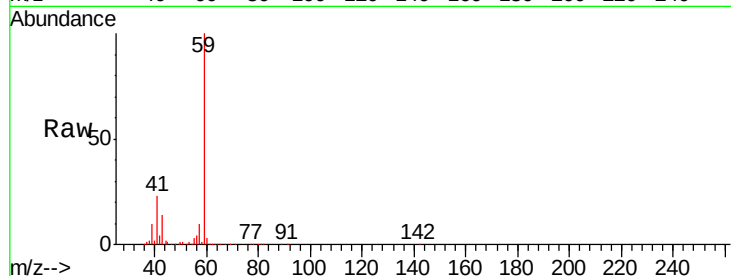
#11
Tert butyl alcohol
Concen: 269.42 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 218823
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

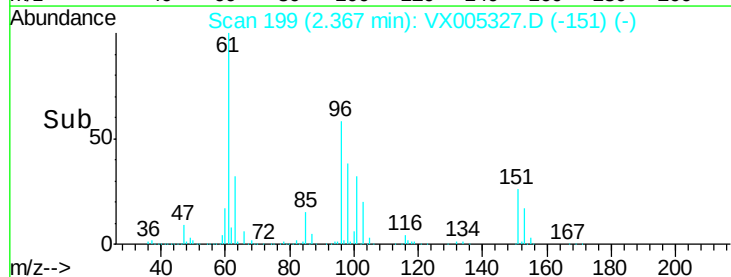
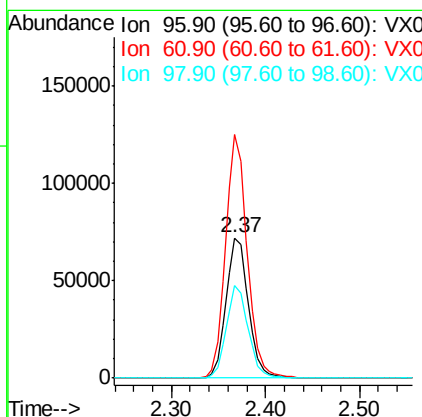
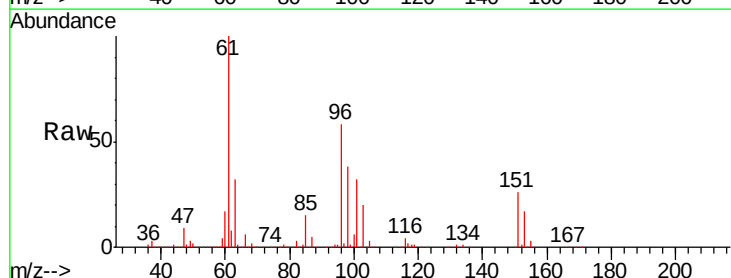
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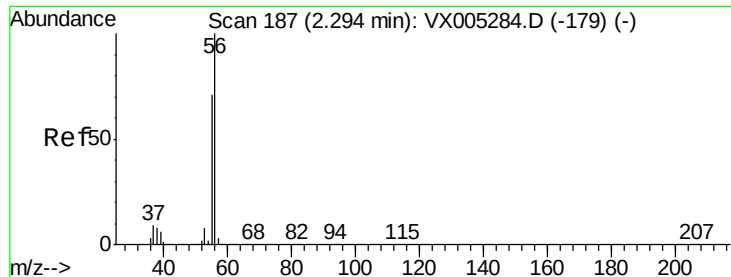
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.53 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion: 96 Resp: 119354
Ion Ratio Lower Upper
96 100
61 173.5 128.8 193.2
98 65.7 52.2 78.2





#13

Acrolein

Concen: 226.75 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 117625

Ion Ratio Lower Upper

56 100

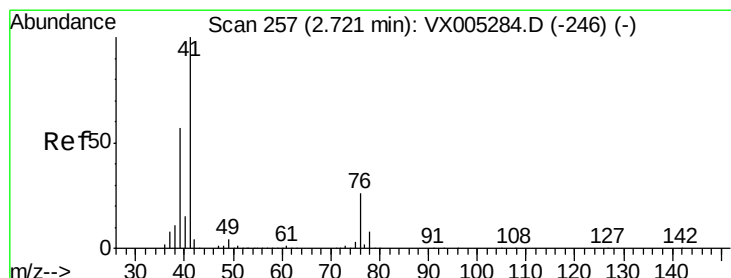
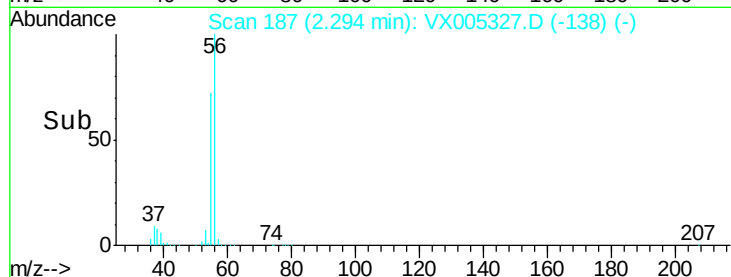
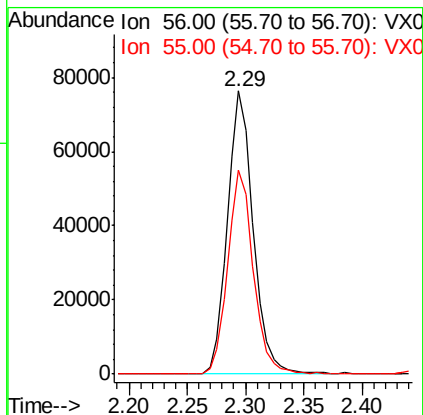
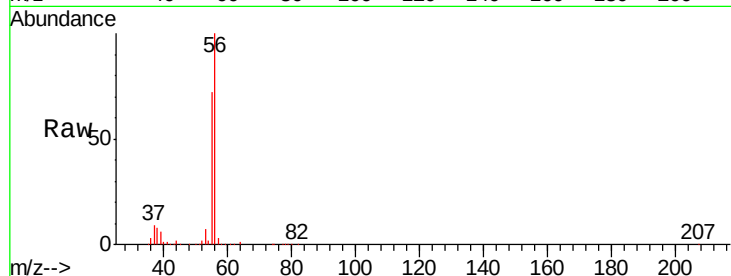
55 71.9 54.7 82.1

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#14

Allyl chloride

Concen: 50.73 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

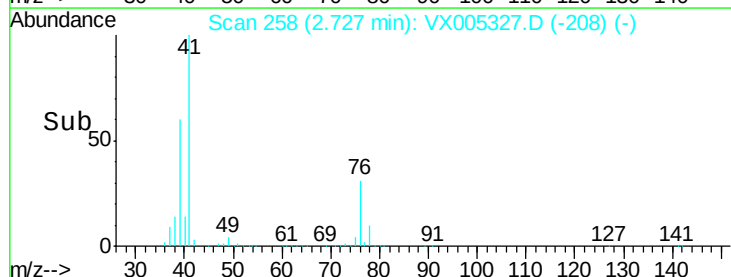
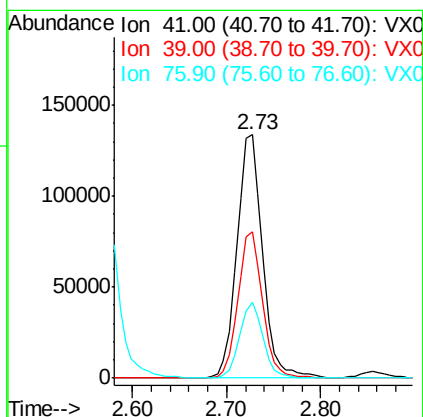
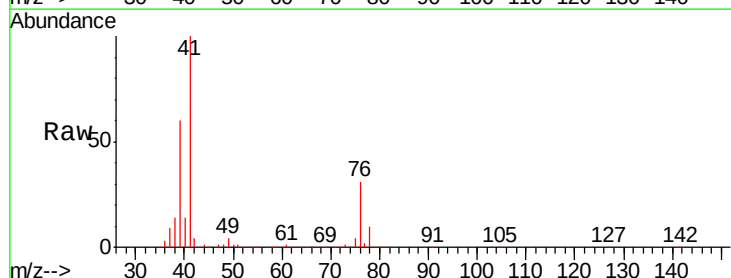
Tgt Ion: 41 Resp: 253075

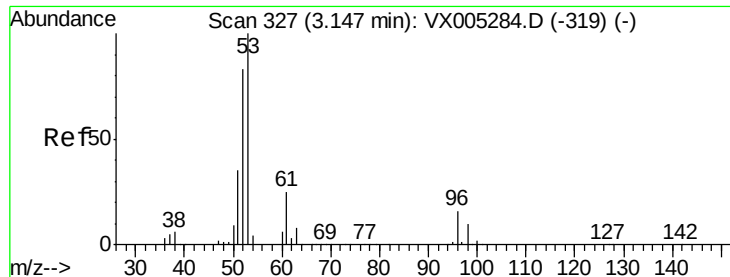
Ion Ratio Lower Upper

41 100

39 57.3 48.9 73.3

76 28.7 26.7 40.1





#15

Acrylonitrile

Concen: 257.23 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

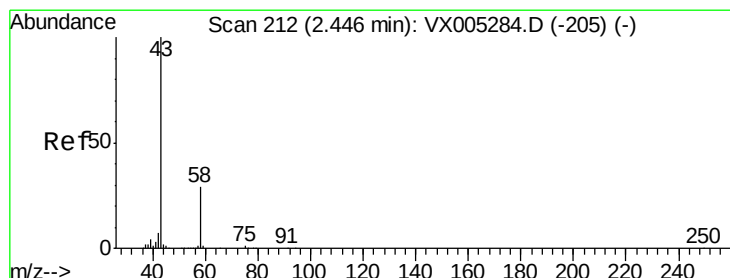
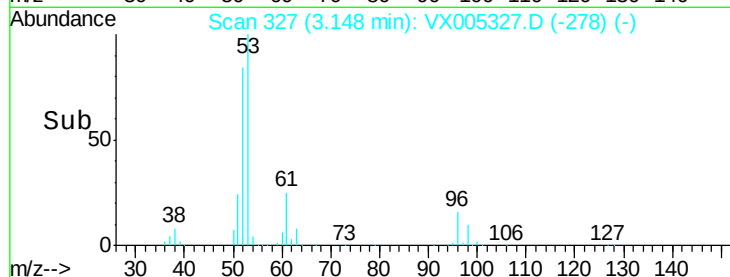
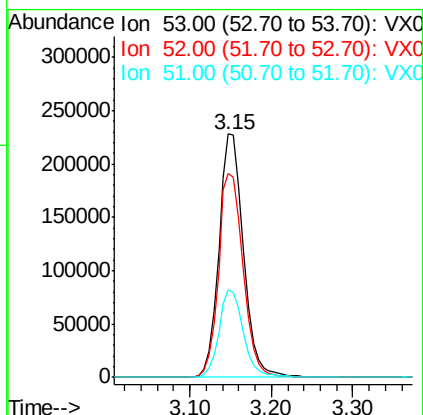
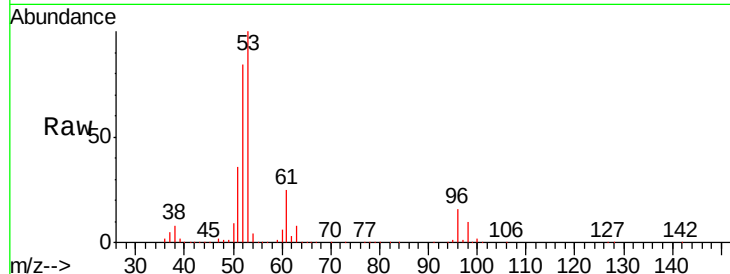
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	473447
Ion Ratio	Lower	Upper	
53	100		
52	84.6	65.2	97.8
51	36.0	28.2	42.2

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#16

Acetone

Concen: 251.33 ug/l

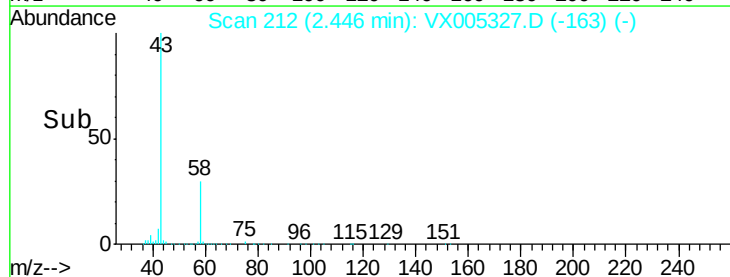
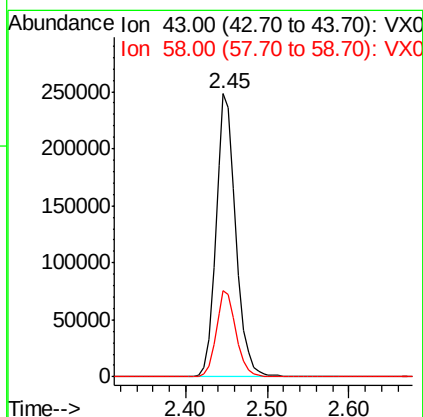
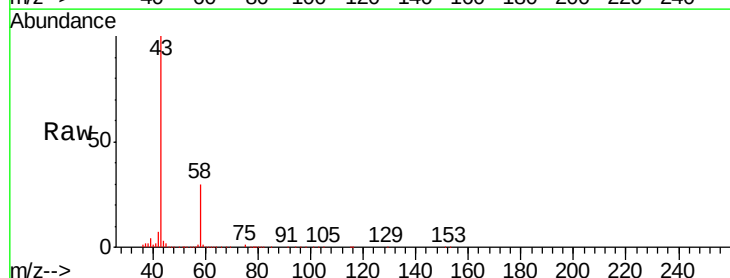
RT: 2.45 min Scan# 212

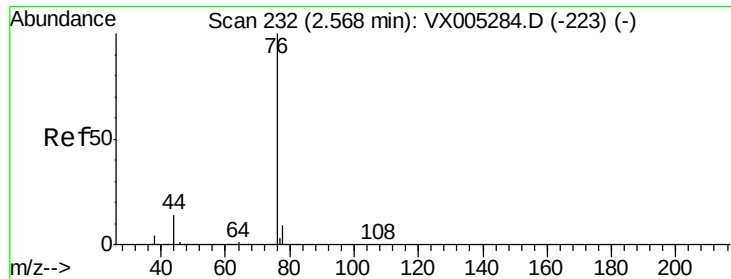
Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	43	Resp:	418407
Ion Ratio	Lower	Upper	
43	100		
58	30.3	26.2	39.4





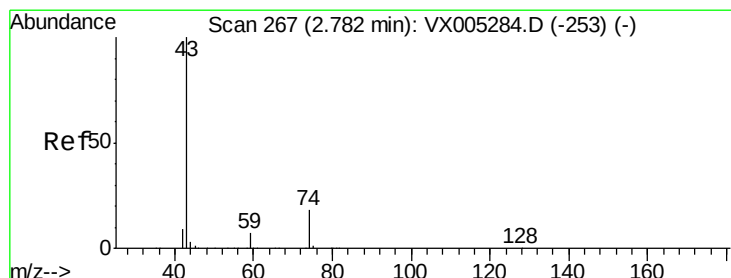
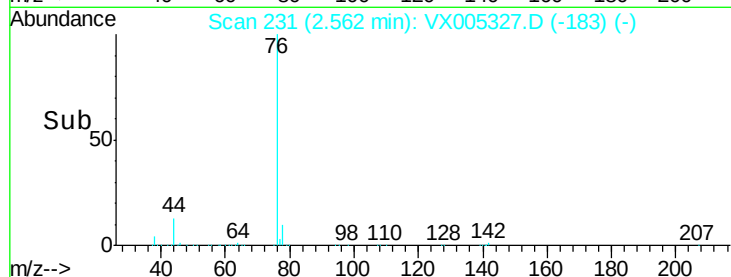
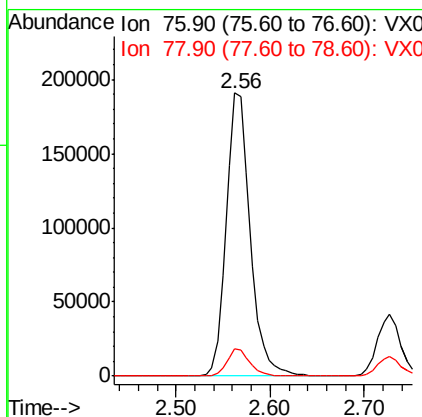
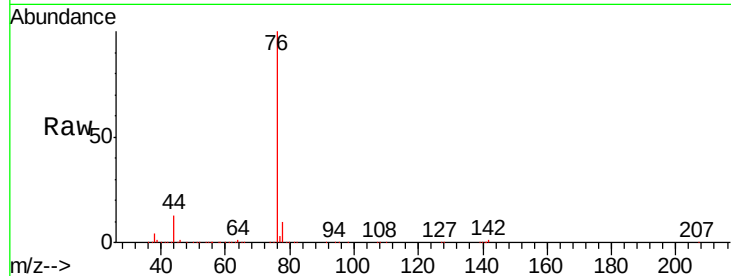
#17
Carbon Disulfide
Concen: 48.99 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 337203
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

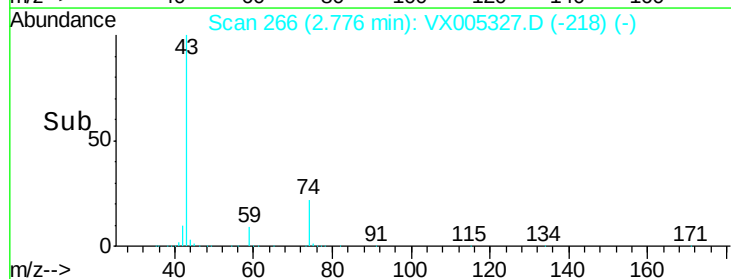
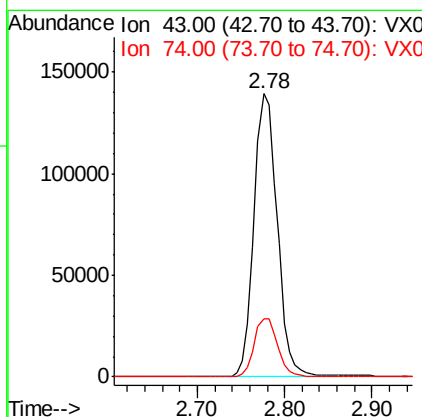
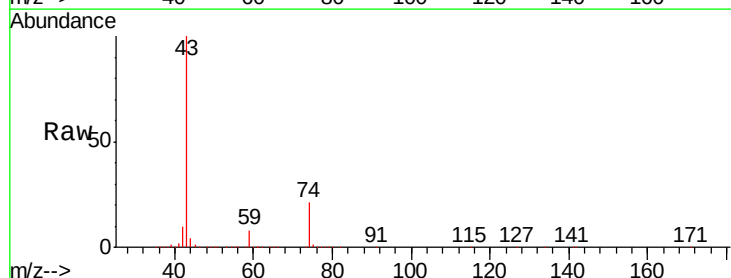
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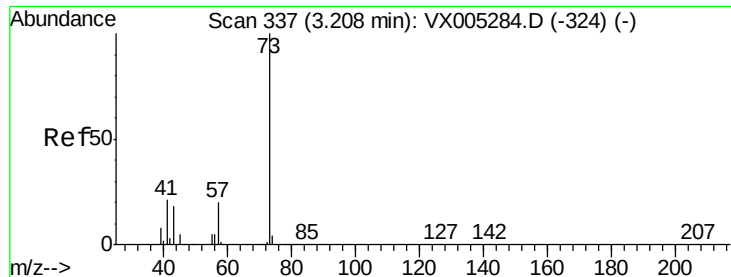
MMDadoda
10/17/2018 9:06:35 AM



#18
Methyl Acetate
Concen: 54.32 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion: 43 Resp: 257299
Ion Ratio Lower Upper
43 100
74 21.3 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 55.35 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion: 73 Resp: 442954

Ion Ratio Lower Upper

73 100

57 23.4 17.1 25.7

Instrument :

MSVOA_X

ClientSampleId :

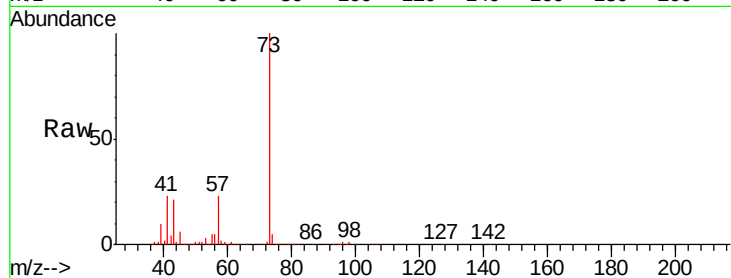
VSTDCCC050EC

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Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

200000

150000

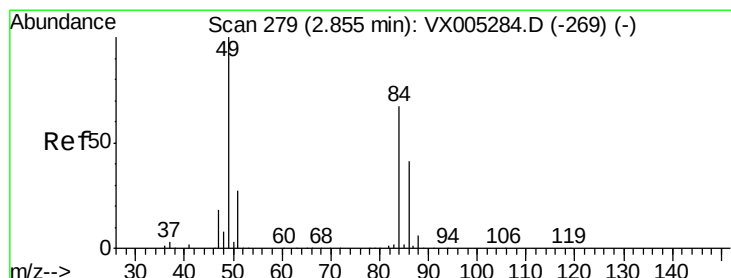
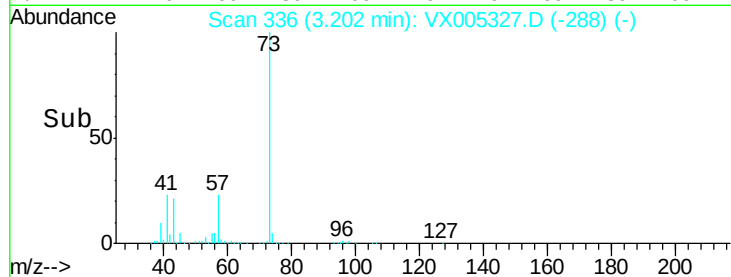
100000

50000

0

3.10 3.20 3.30 3.40

Time-->



#20

Methylene Chloride

Concen: 59.14 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion: 84 Resp: 142879

Ion Ratio Lower Upper

84 100

49 136.2 101.2 151.8

51 37.7 29.5 44.3

86 73.7 52.3 78.5

Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

150000

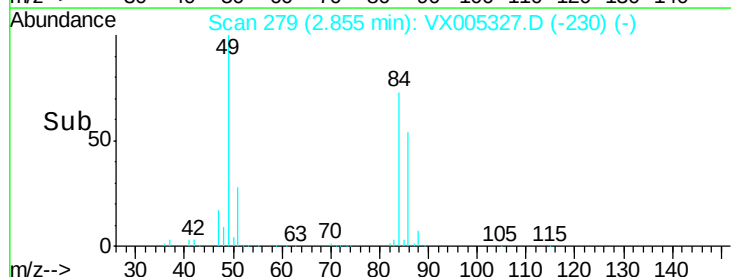
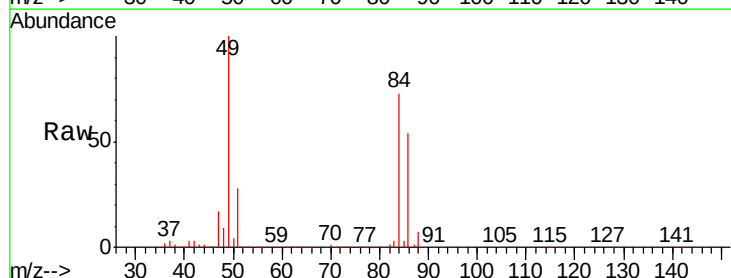
100000

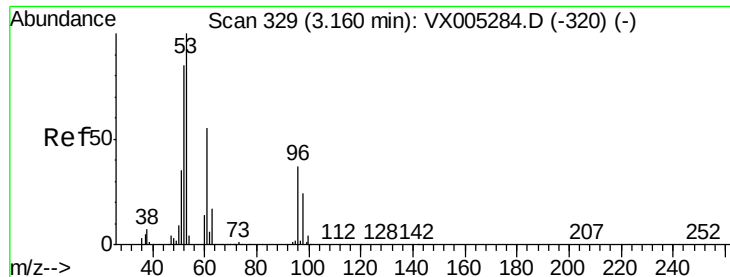
50000

0

2.80 2.85 2.90 3.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 51.39 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

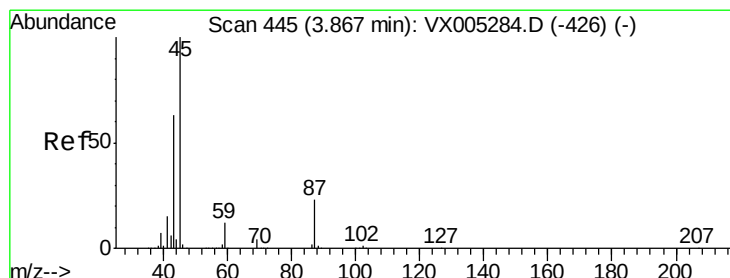
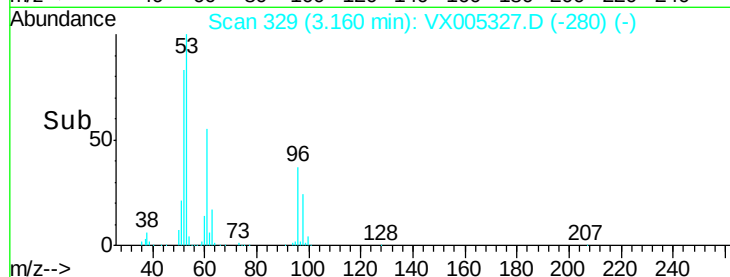
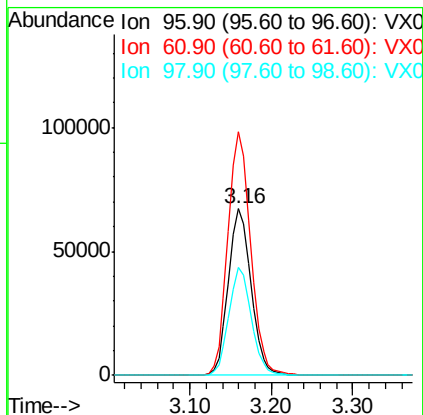
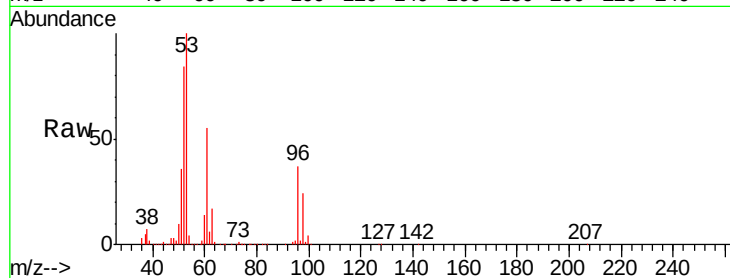
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	129394
Ion	Ratio	Lower	Upper
96	100		
61	145.9	113.8	170.6
98	64.5	51.8	77.8

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#22

Diisopropyl ether

Concen: 54.30 ug/l

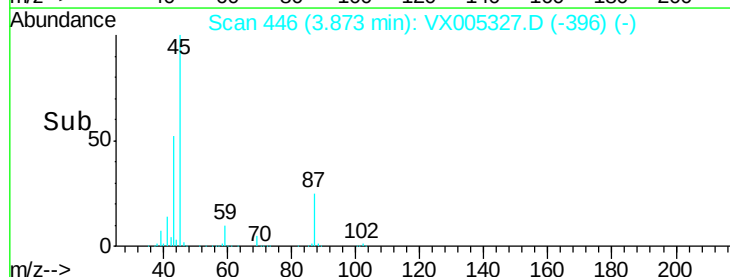
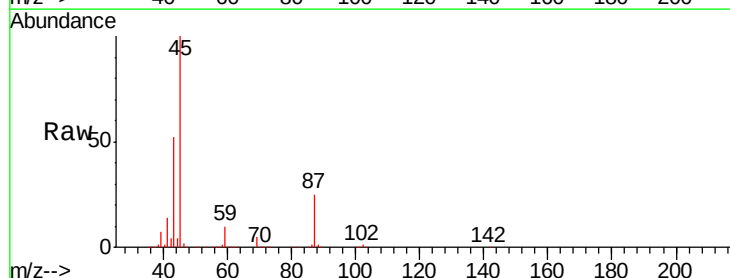
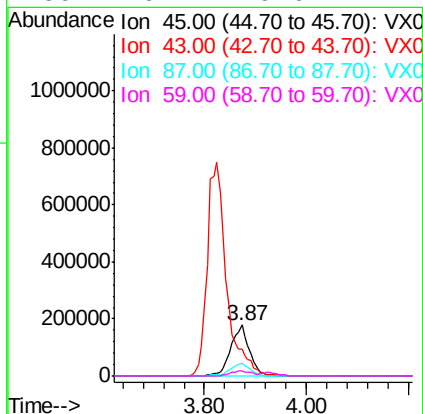
RT: 3.87 min Scan# 446

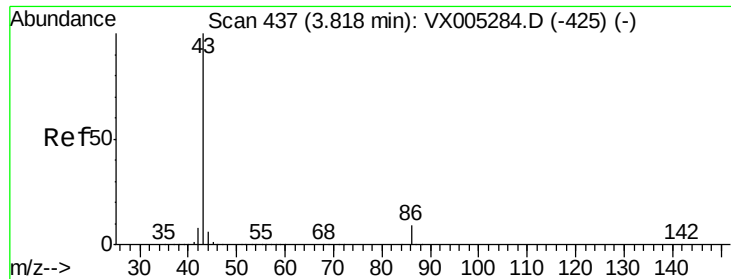
Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	45	Resp:	455018
Ion	Ratio	Lower	Upper
45	100		
43	51.3	42.8	64.2
87	25.3	22.6	34.0
59	10.1	9.6	14.4





#23

Vinyl Acetate

Concen: 267.43 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1958572

Ion Ratio Lower Upper

43 100

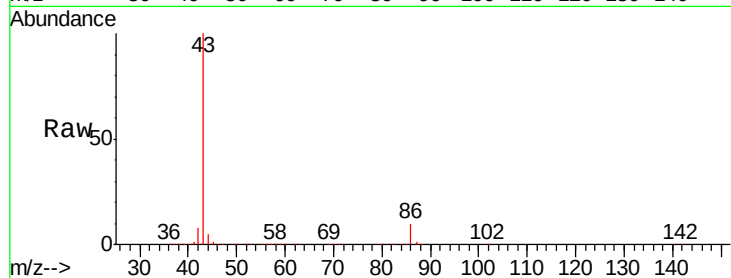
86 9.8 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

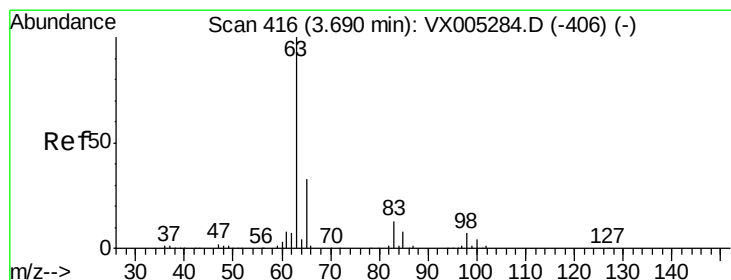
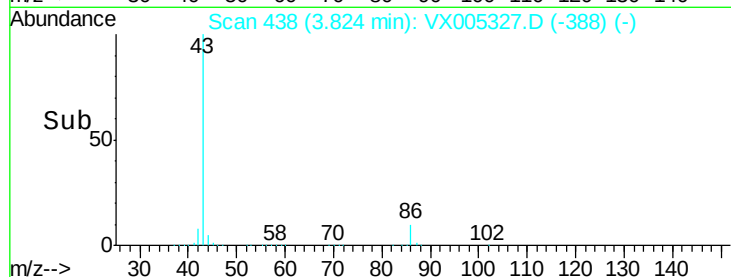
400000

200000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 53.40 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

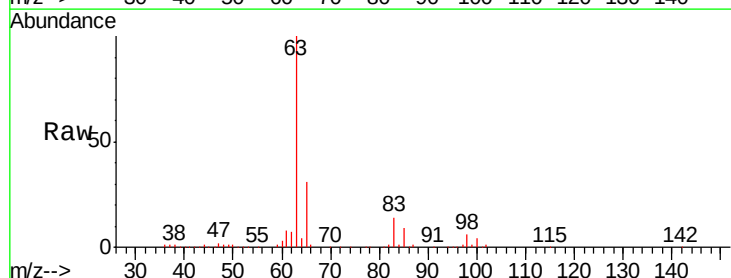
Tgt Ion: 63 Resp: 256426

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

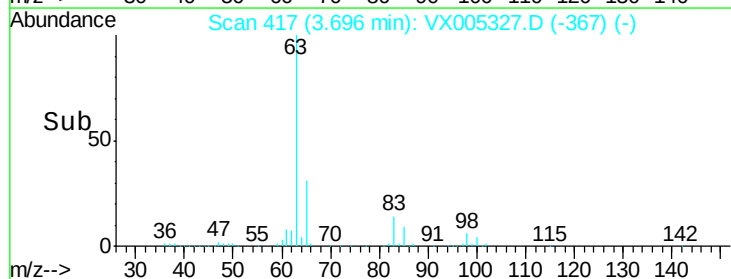
100000

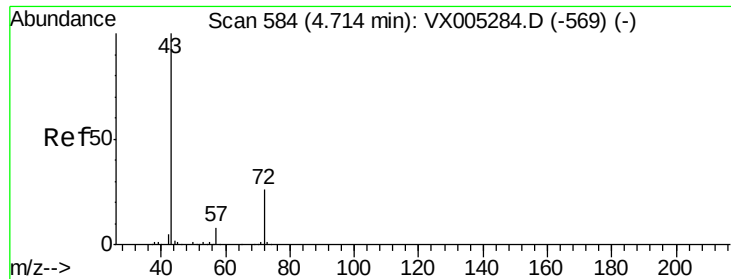
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 261.37 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 636650

Ion Ratio Lower Upper

43 100

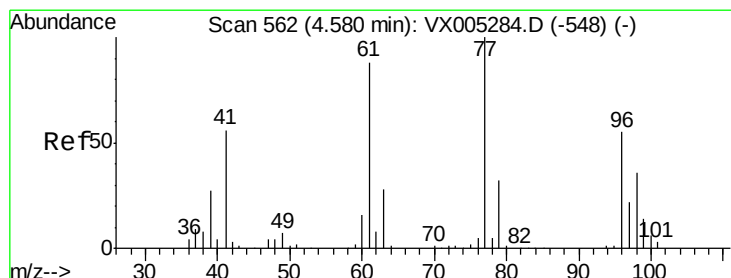
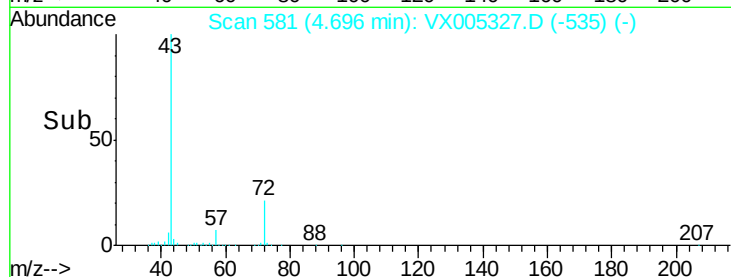
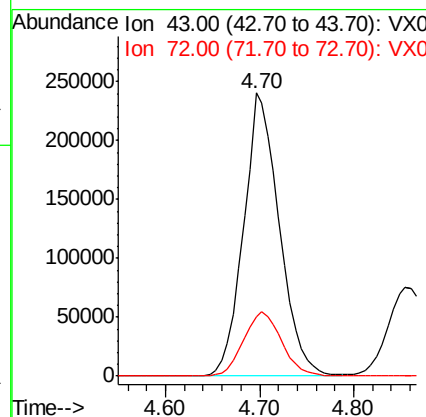
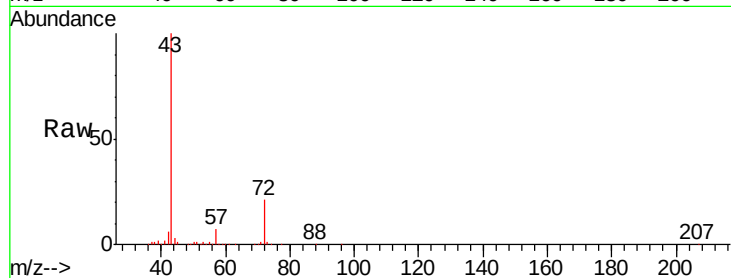
72 20.9 22.0 33.0#

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#26

2,2-Dichloropropane

Concen: 33.85 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005327.D

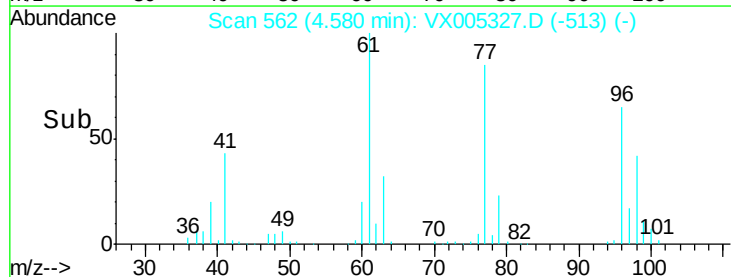
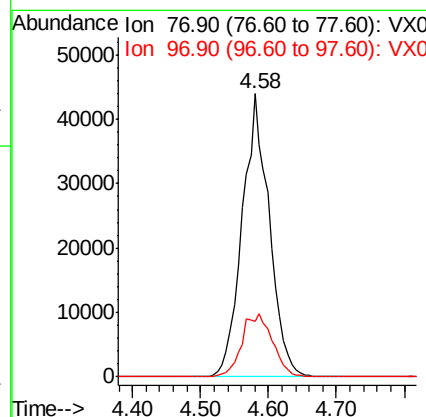
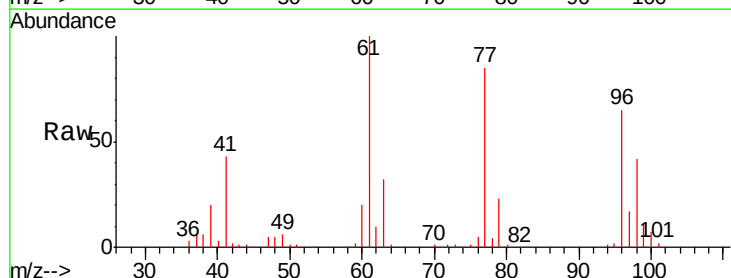
Acq: 13 Oct 2018 07:10

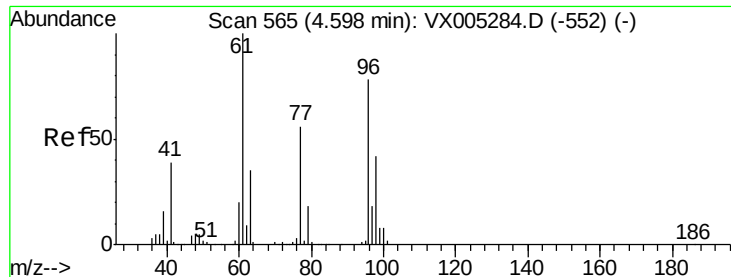
Tgt Ion: 77 Resp: 121563

Ion Ratio Lower Upper

77 100

97 25.1 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.99 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

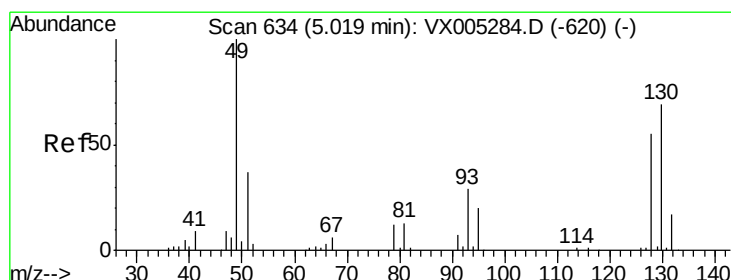
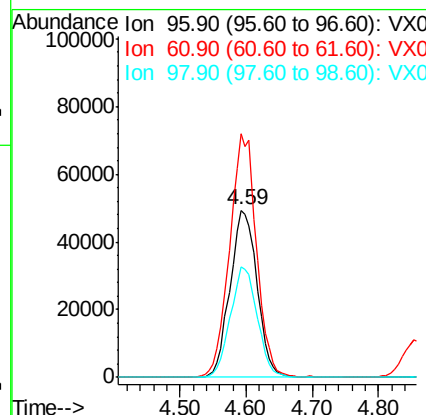
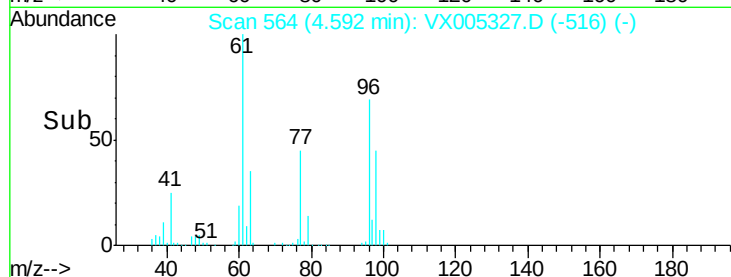
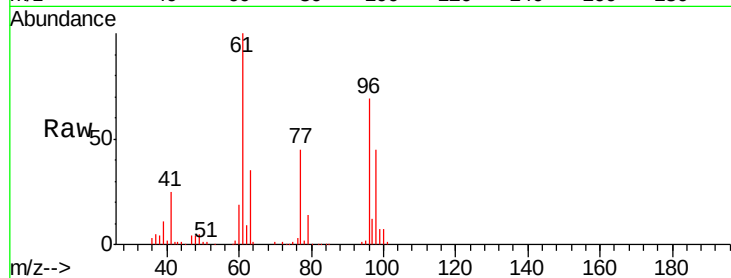
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	139553
Ion Ratio	Lower	Upper	
96	100		
61	144.0	0.0	282.6
98	65.6	0.0	130.2

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#28

Bromochloromethane

Concen: 51.80 ug/l

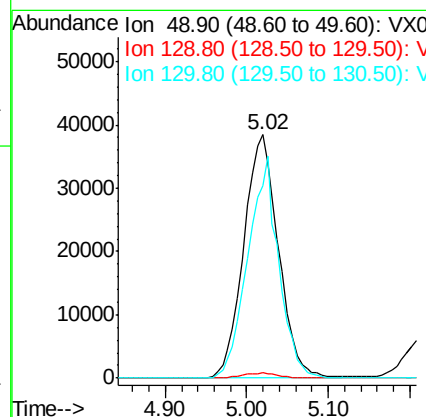
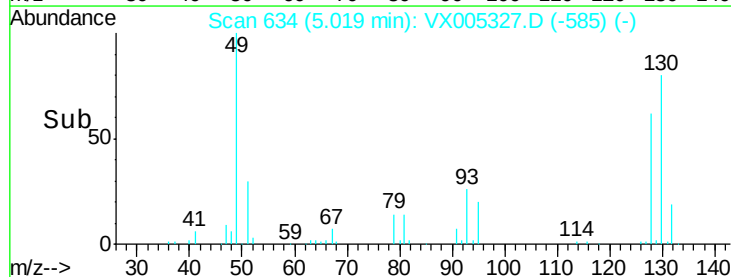
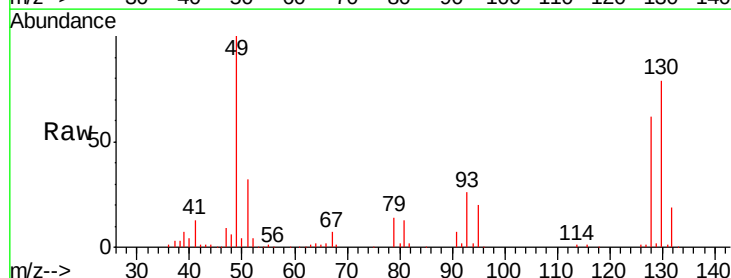
RT: 5.02 min Scan# 634

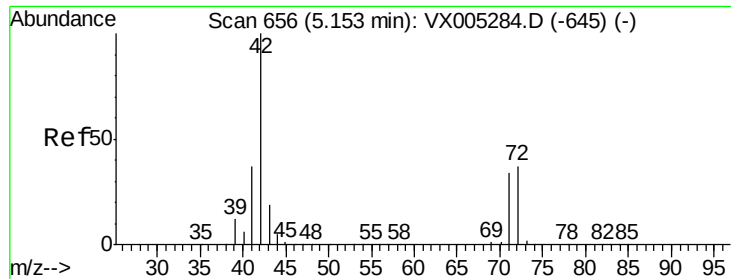
Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	49	Resp:	113404
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	81.2	67.5	101.3





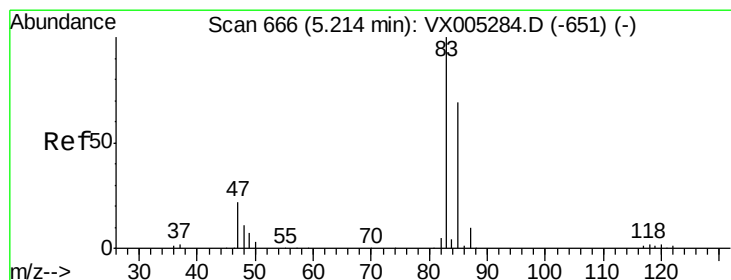
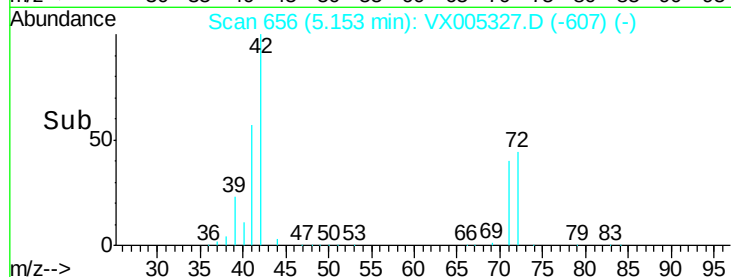
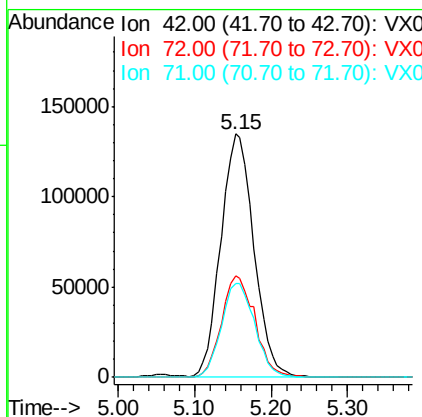
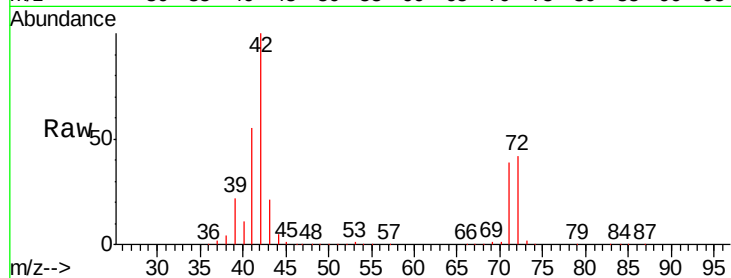
#29
Tetrahydrofuran
Concen: 259.00 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	37.4	56.0
71	39.1	34.5	51.7

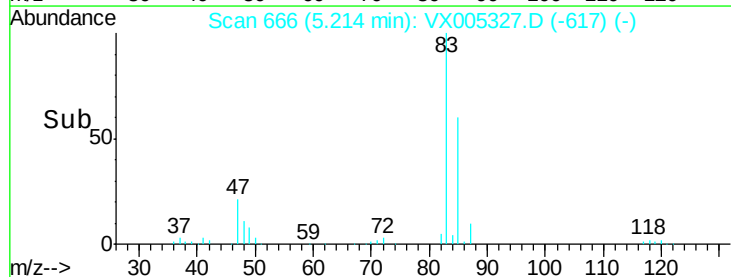
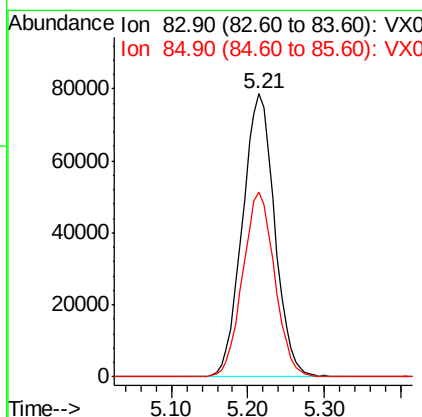
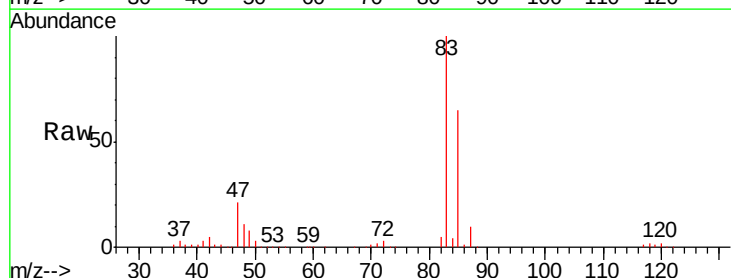
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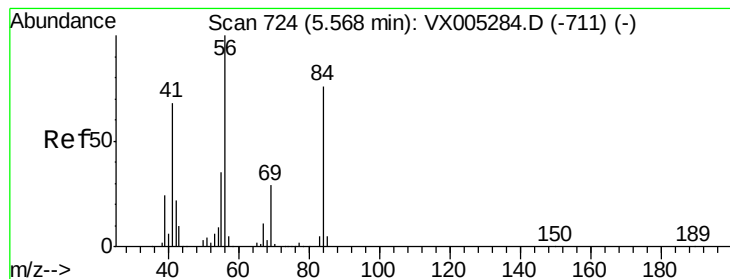
MMDadoda
10/17/2018 9:06:35 AM



#30
Chloroform
Concen: 51.73 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	79.0





#31

Cyclohexane

Concen: 52.65 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

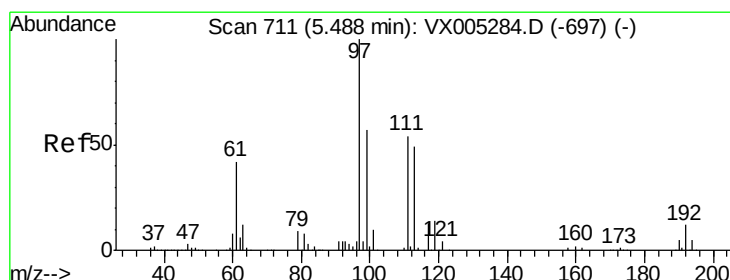
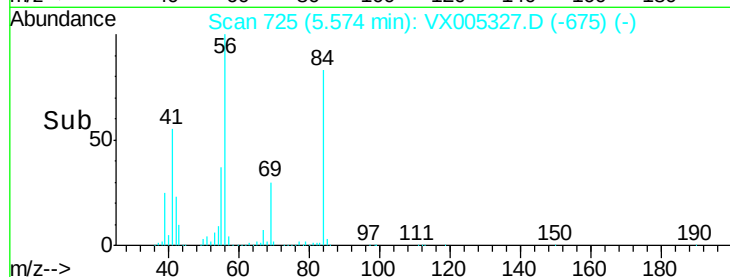
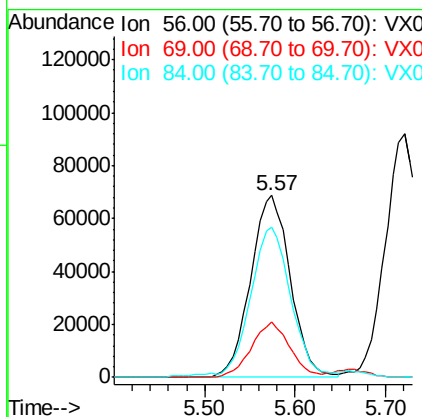
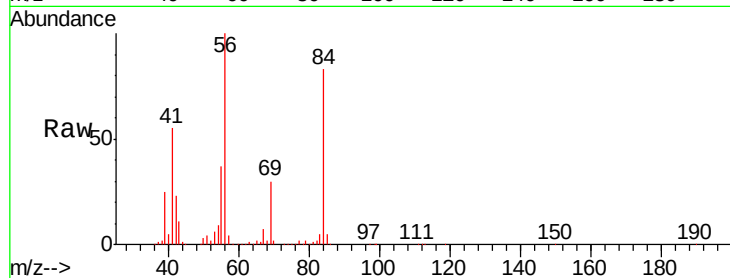
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	208375
Ion Ratio		Lower	Upper
56	100		
69	30.1	25.4	38.2
84	81.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.80 ug/l

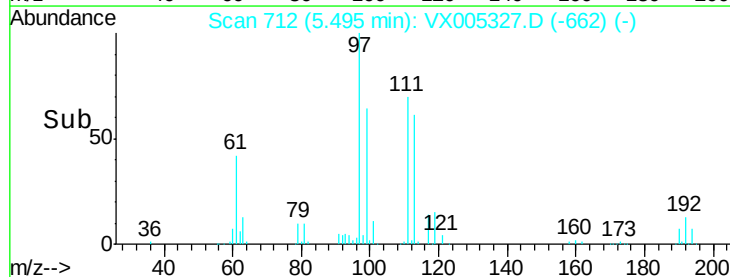
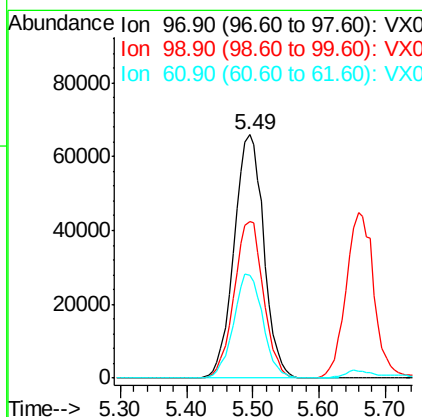
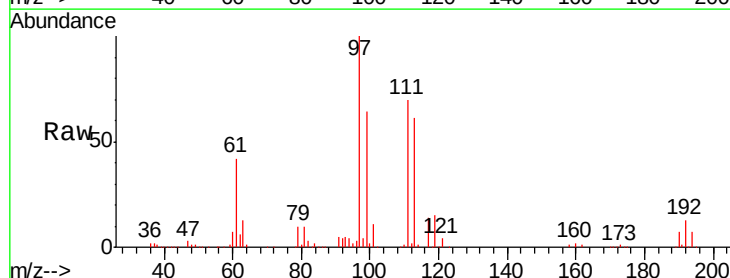
RT: 5.49 min Scan# 712

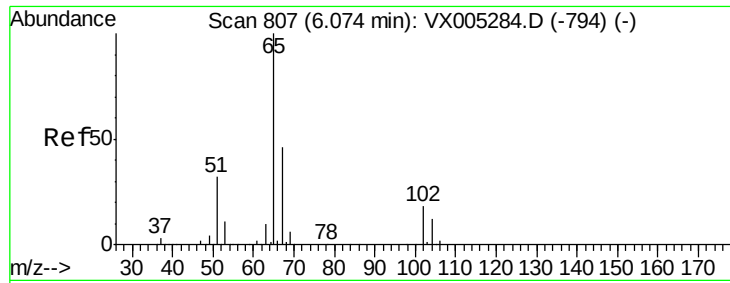
Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	97	Resp:	204783
Ion Ratio		Lower	Upper
97	100		
99	63.7	52.0	78.0
61	42.4	34.9	52.3





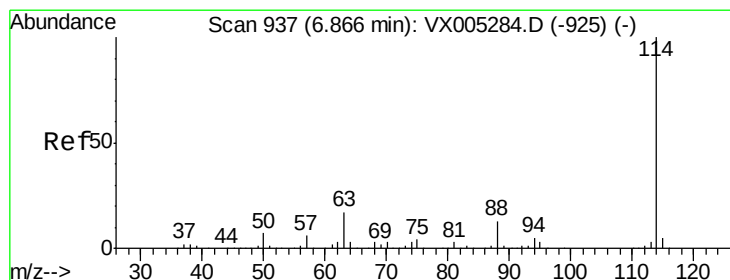
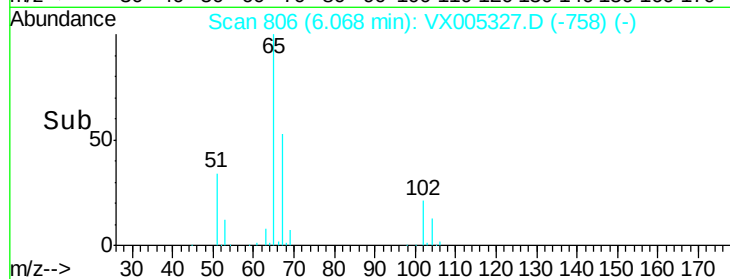
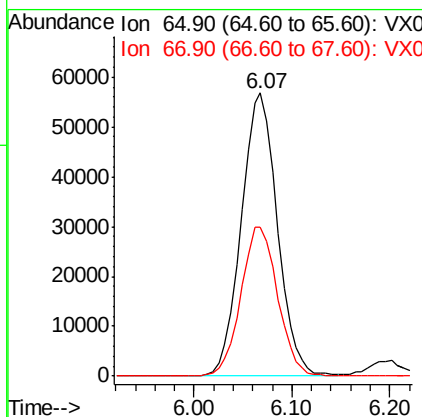
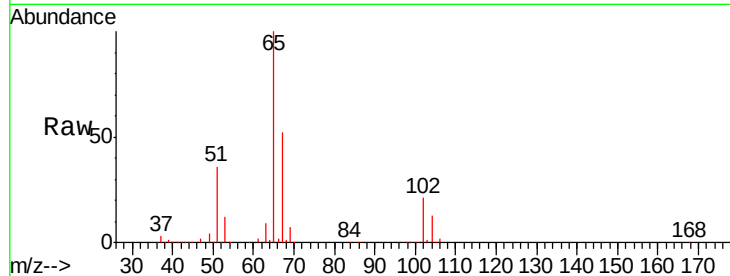
#33
 1,2-Dichloroethane-d4
 Concen: 50.42 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 145165
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8

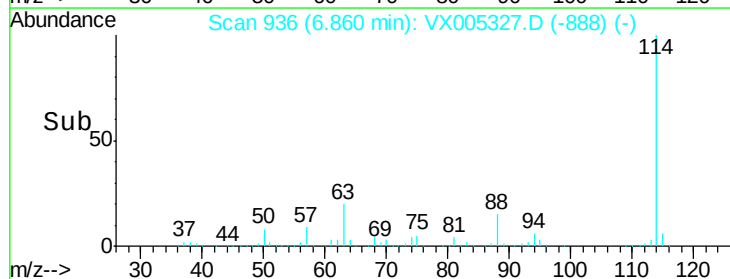
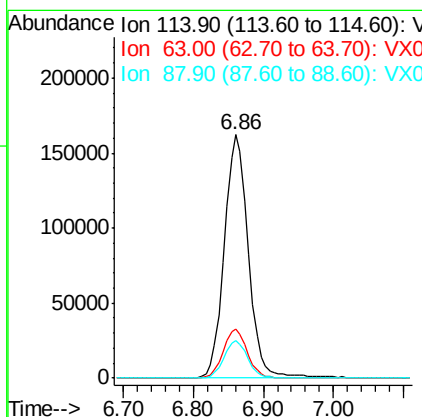
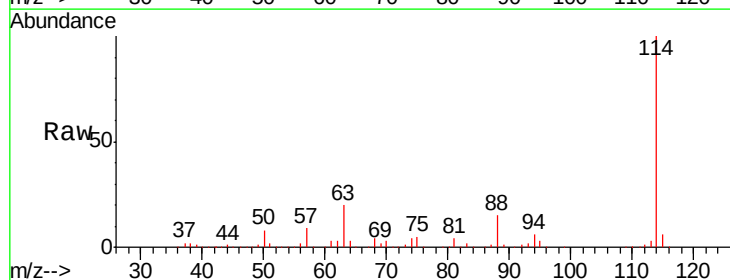
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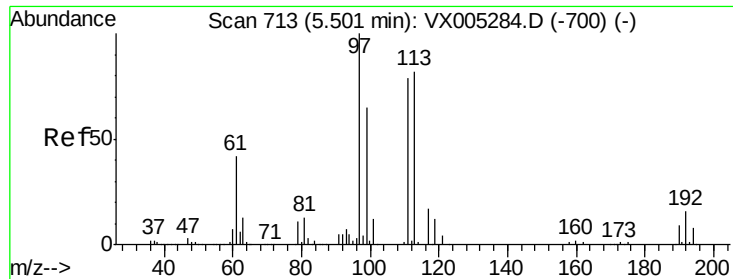
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion: 114 Resp: 387560
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.4 0.0 30.4





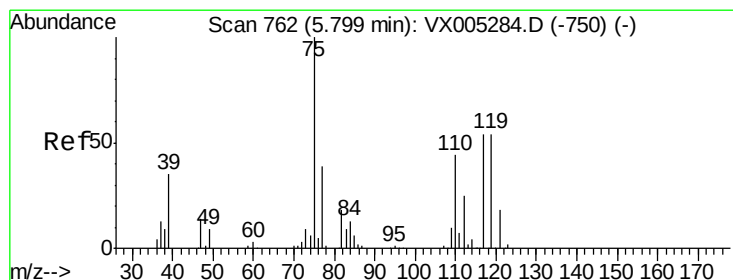
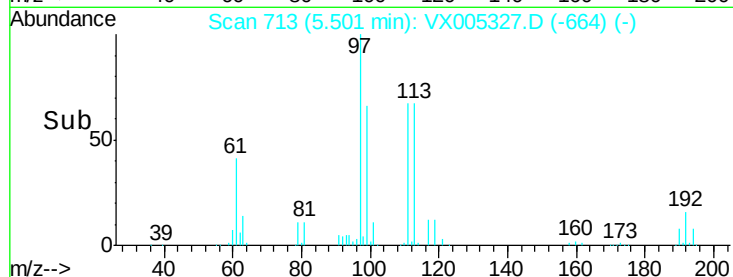
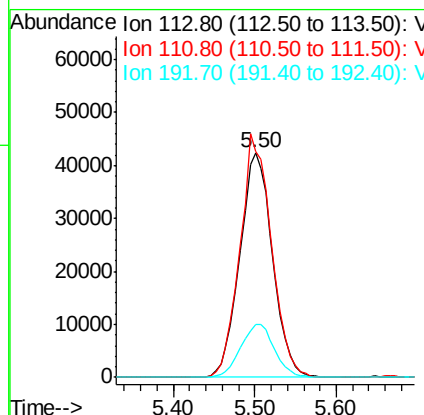
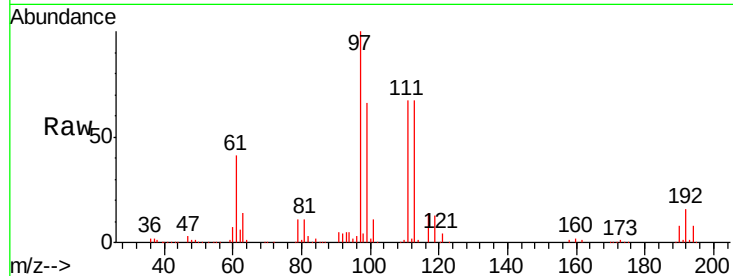
#35
 Dibromofluoromethane
 Concen: 45.95 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	117937		
111	104.5	82.4	123.6	
192	24.3	19.4	29.2	

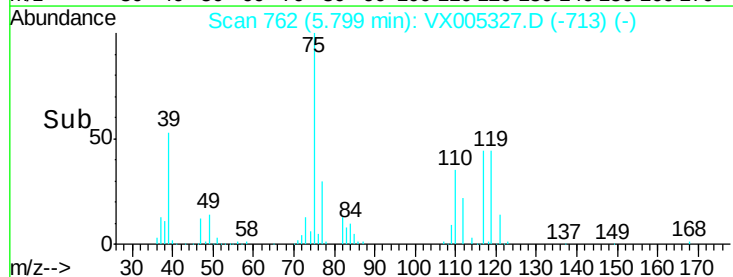
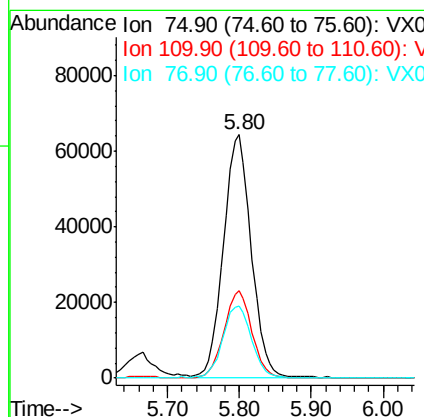
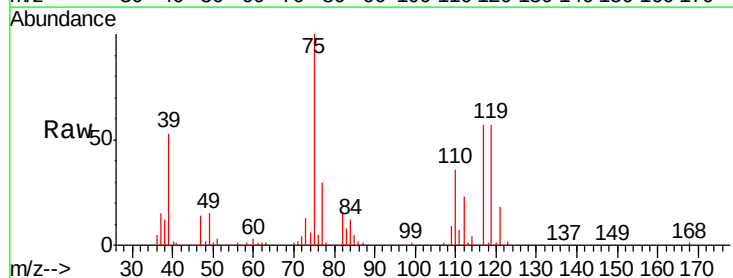
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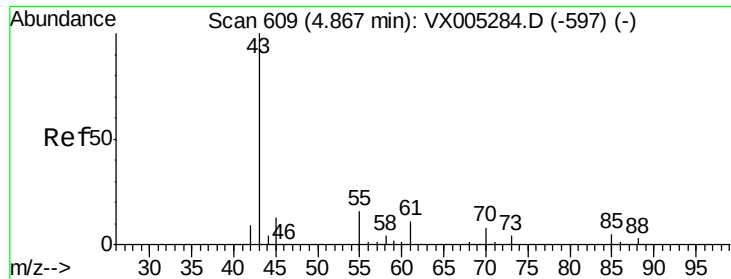
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#36
 1,1-Dichloropropene
 Concen: 46.00 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172659		
110	35.9	18.0	54.0	
77	30.4	24.6	36.8	





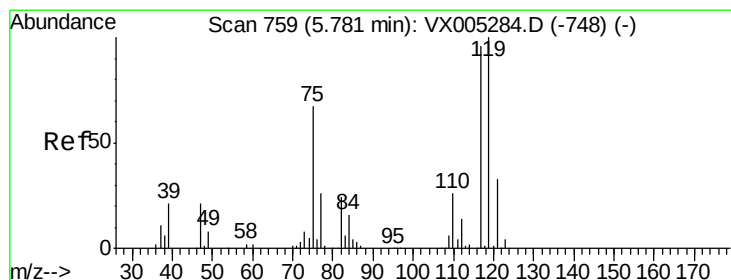
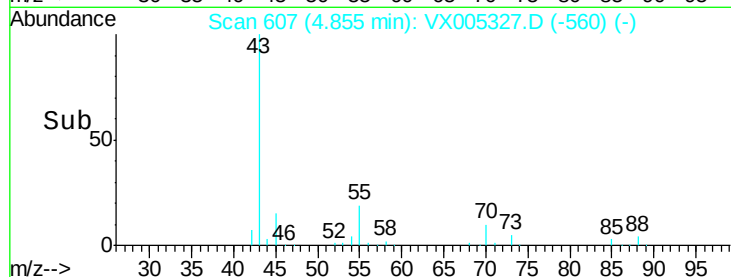
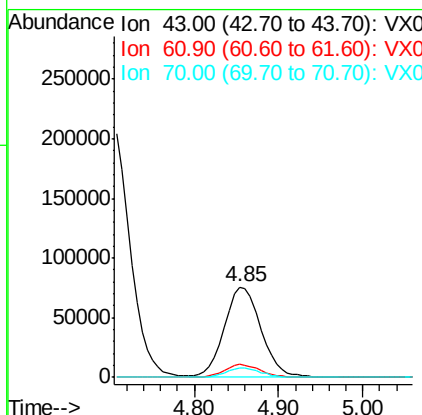
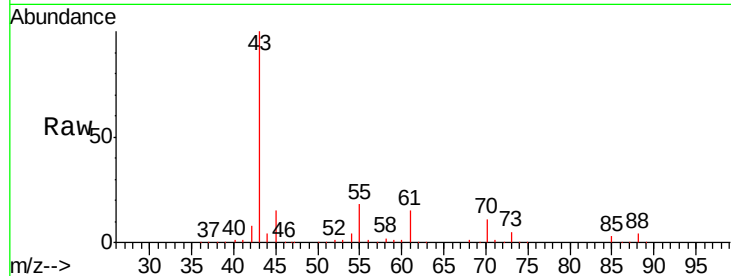
#37
Ethyl Acetate
Concen: 46.29 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.5	9.0	13.6

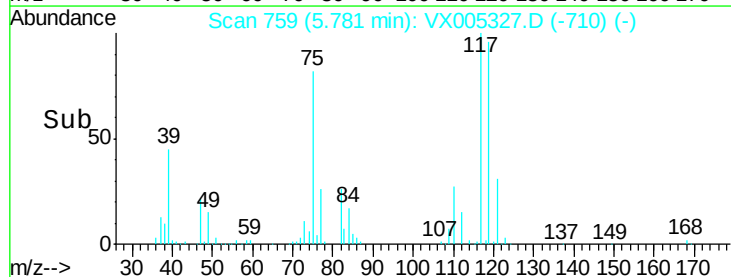
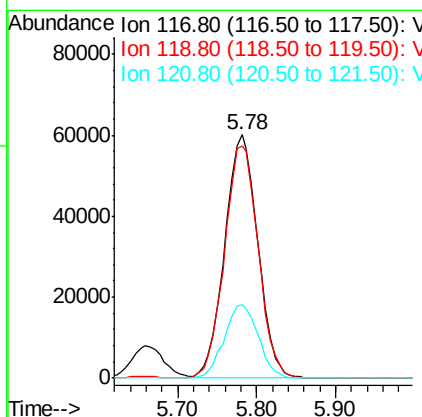
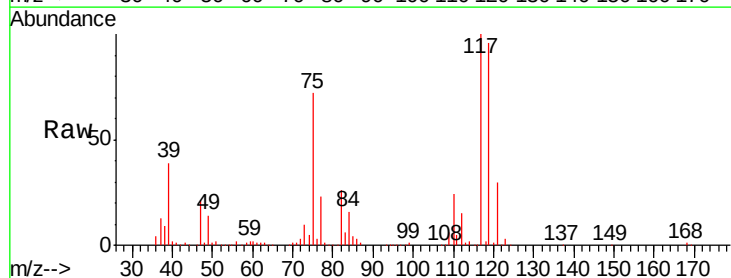
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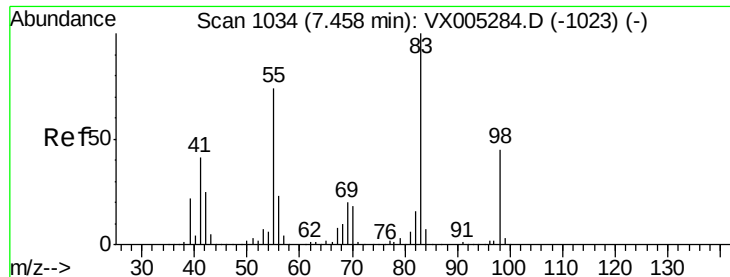
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#38
Carbon Tetrachloride
Concen: 46.51 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.8	118.2
121	30.4	24.9	37.3





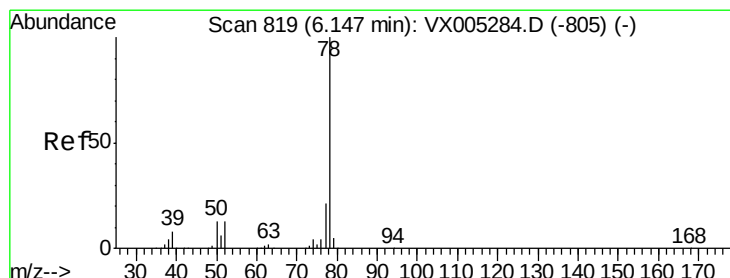
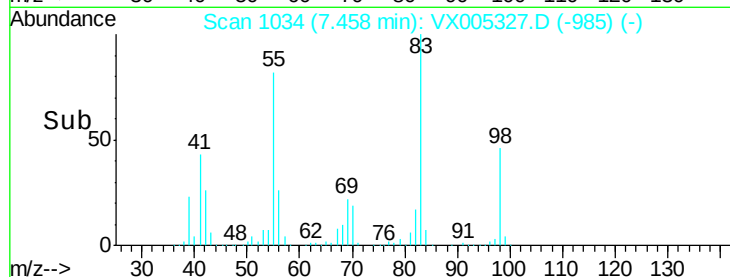
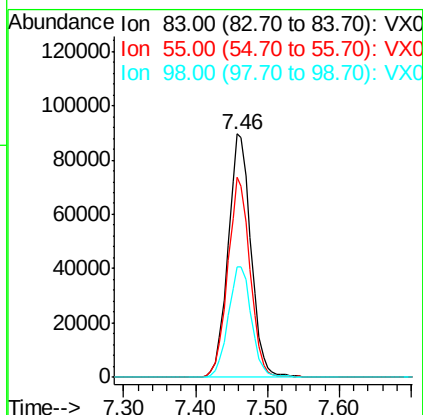
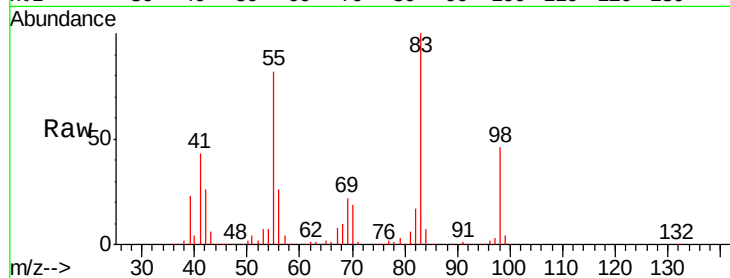
#39
Methylcyclohexane
Concen: 48.64 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	197576		
55	82.1	61.0	91.4	
98	45.6	39.6	59.4	

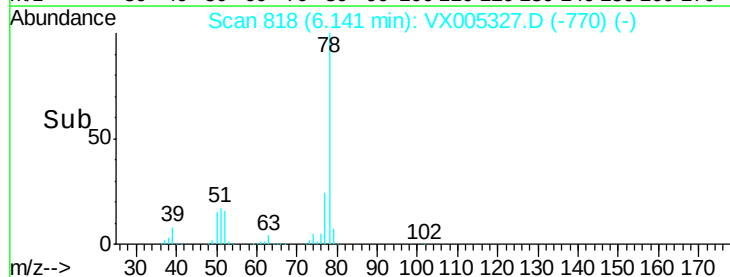
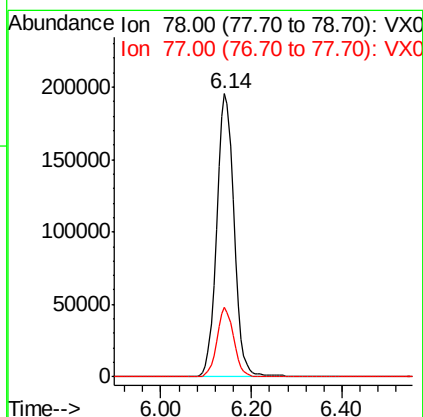
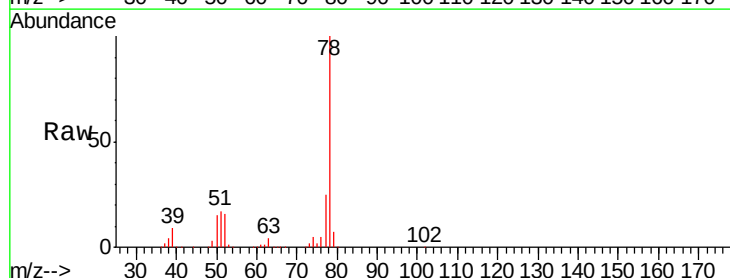
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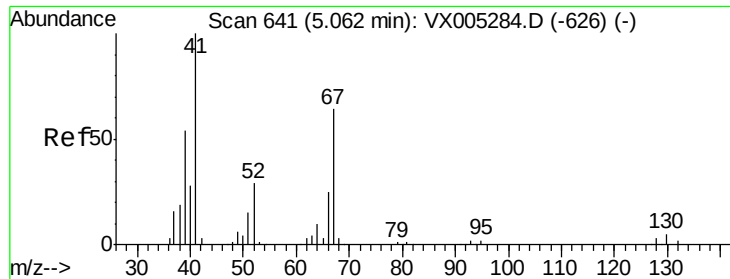
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#40
Benzene
Concen: 46.41 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	522612		
77	24.5	19.0	28.4	





#41

Methacrylonitrile

Concen: 48.79 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 126258
Ion Ratio Lower Upper

41 100

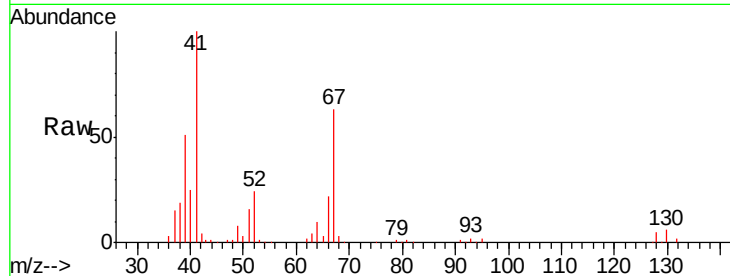
39 52.0 42.4 63.6

67 68.5 59.2 88.8

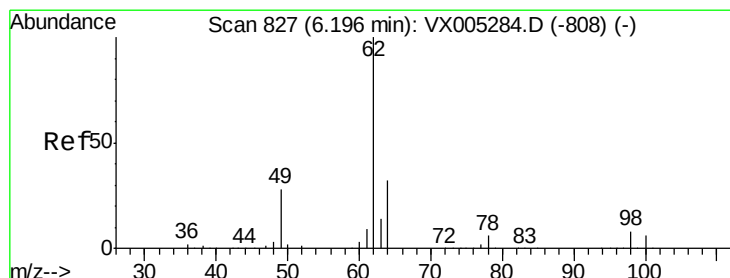
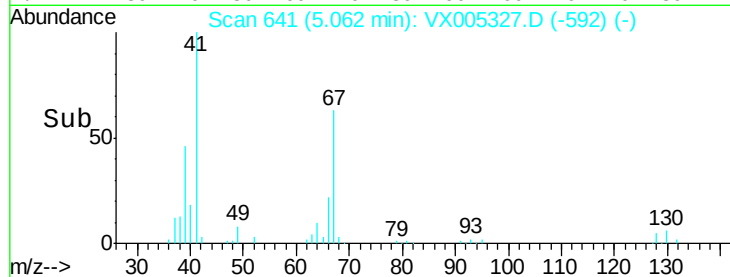
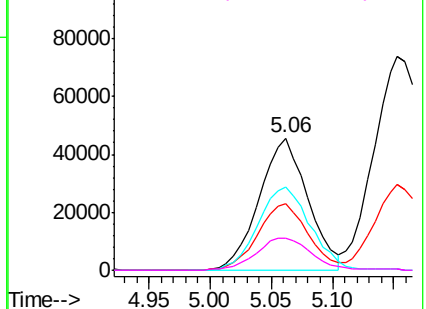
52 27.2 23.0 34.4

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



#42

1,2-Dichloroethane

Concen: 46.39 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

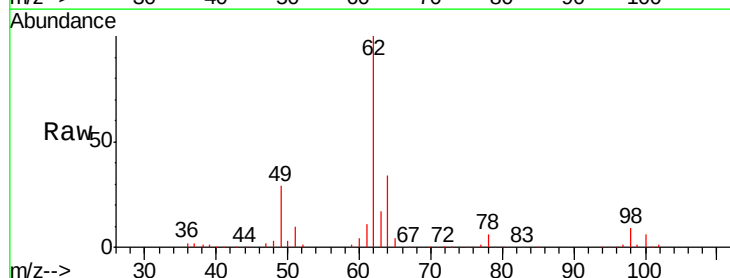
Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

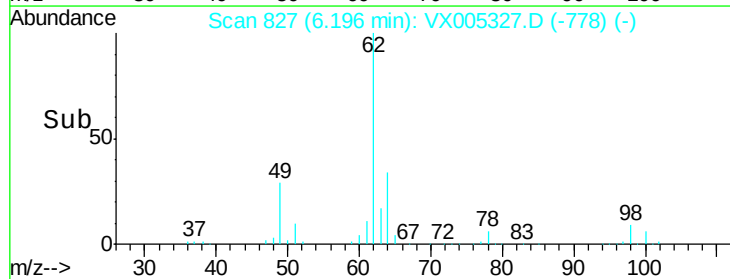
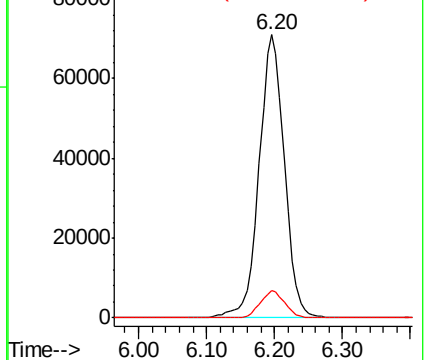
Tgt Ion: 62 Resp: 184421
Ion Ratio Lower Upper

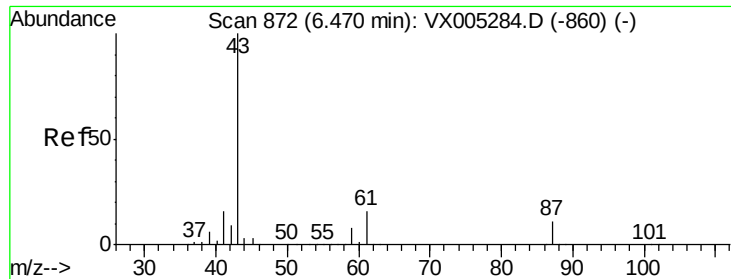
62 100

98 9.4 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 52.93 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

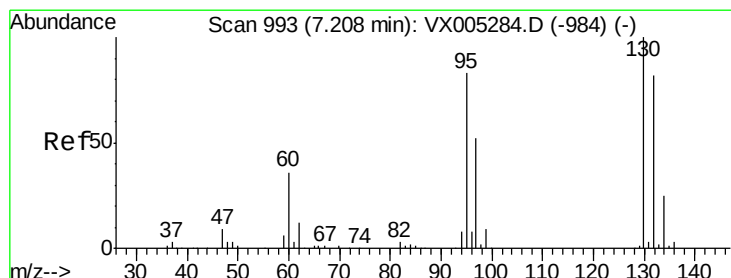
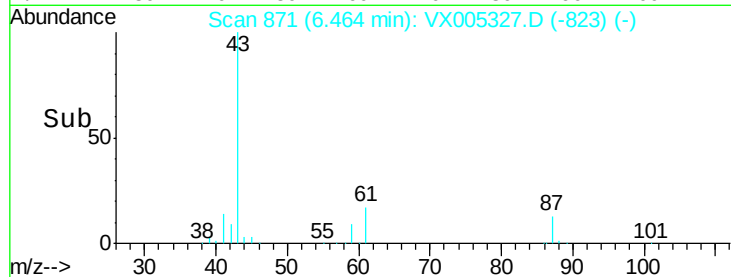
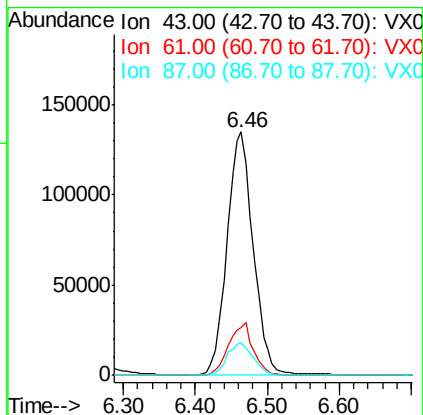
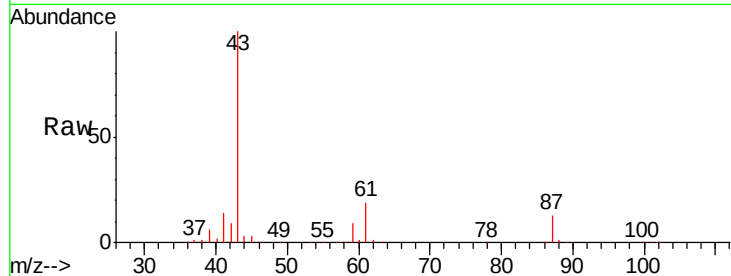
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	340326
Ion	Ratio	Lower	Upper
43	100		
61	20.3	17.0	25.4
87	13.3	11.4	17.2

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#44

Trichloroethene

Concen: 49.62 ug/l

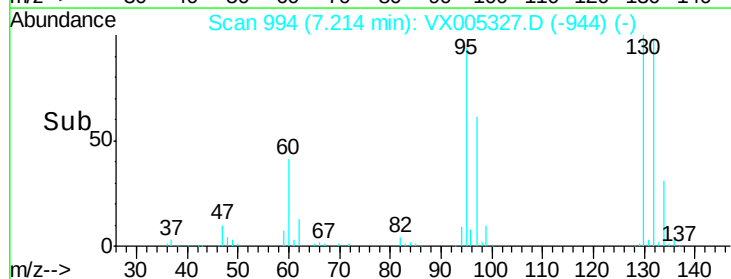
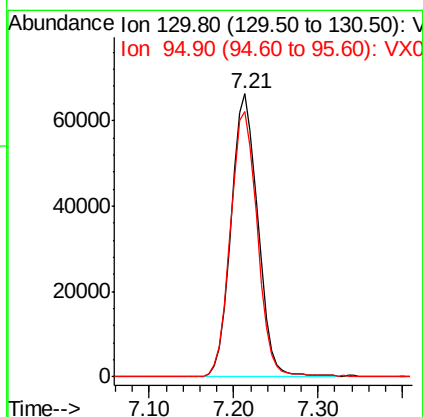
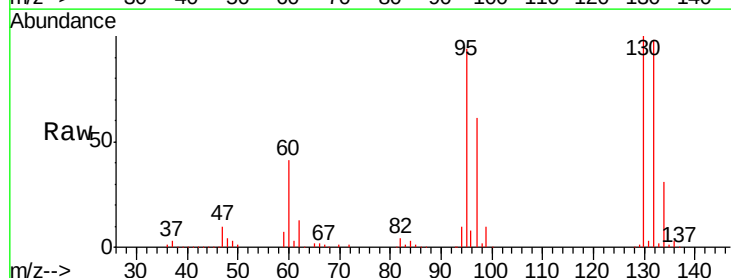
RT: 7.21 min Scan# 994

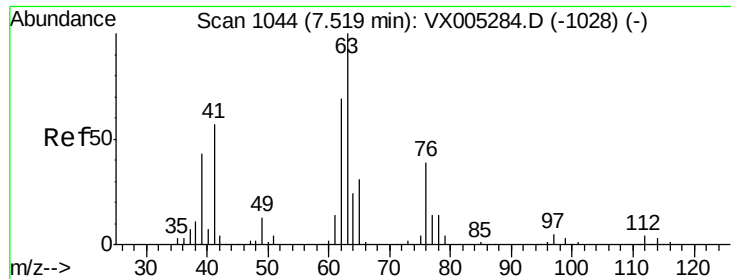
Delta R.T. 0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	130	Resp:	142660
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	181.6





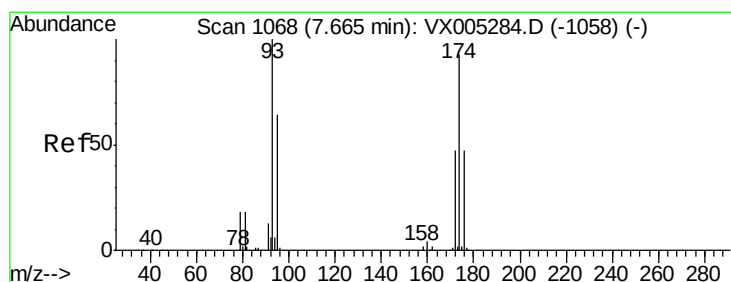
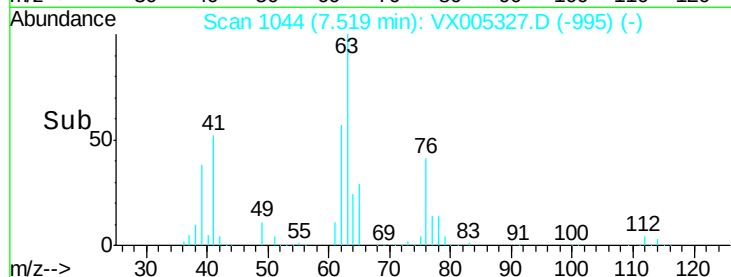
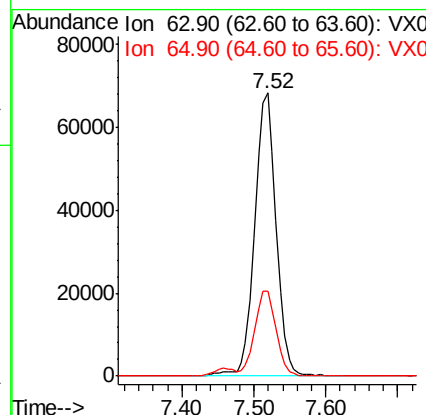
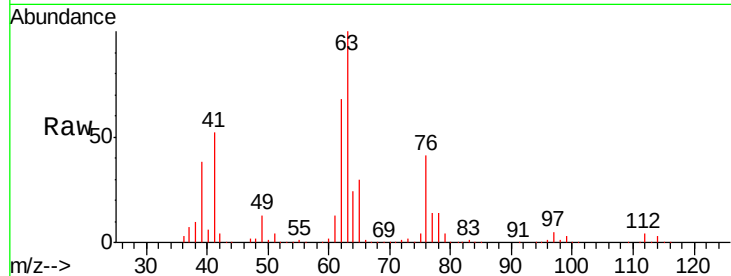
#45
 1,2-Dichloropropane
 Concen: 51.16 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 141295
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.3 36.5

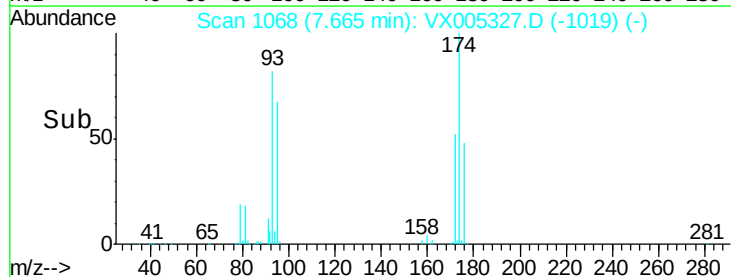
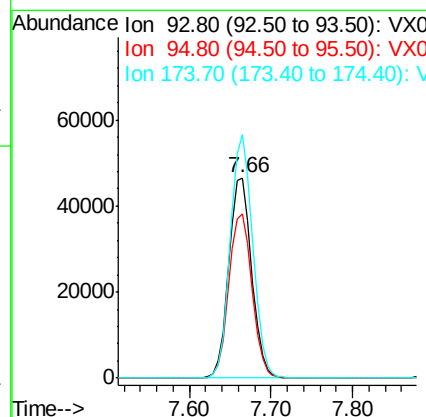
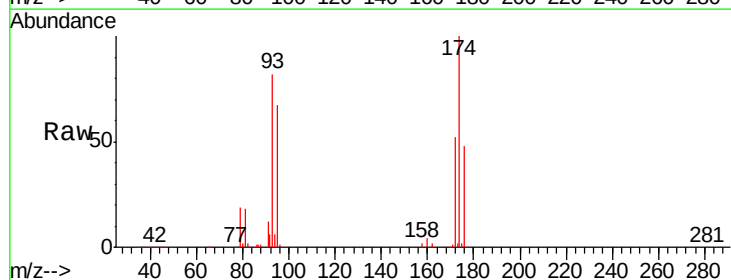
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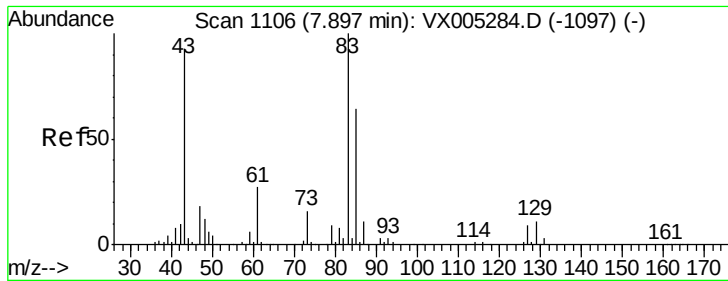
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#46
 Dibromomethane
 Concen: 49.36 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion: 93 Resp: 89978
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 119.0 94.2 141.4





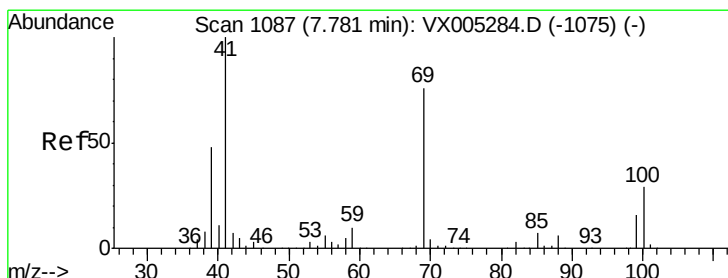
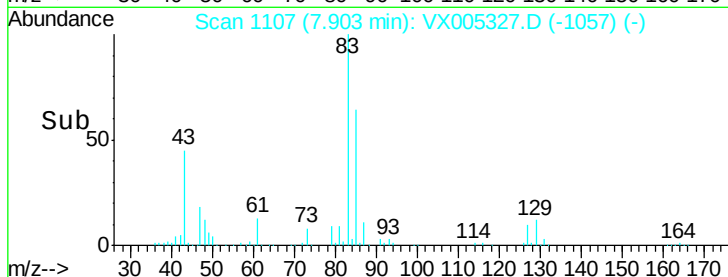
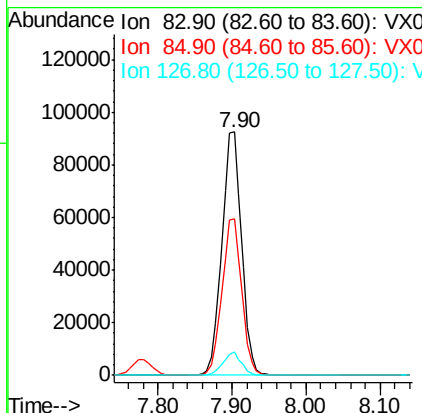
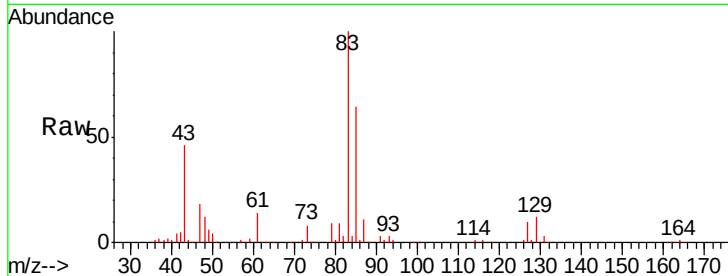
#47
 Bromodichloromethane
 Concen: 50.60 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	9.6	7.3	10.9

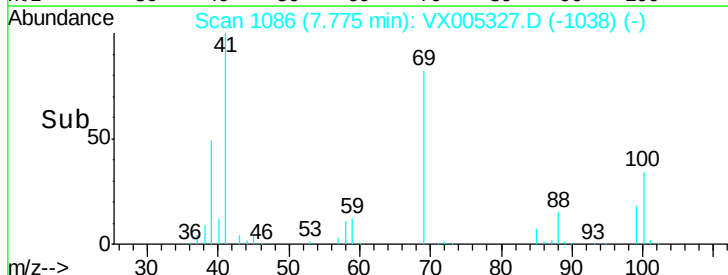
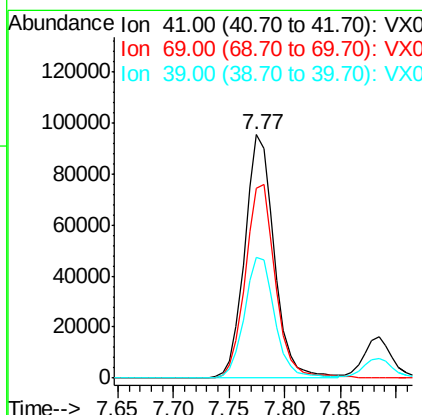
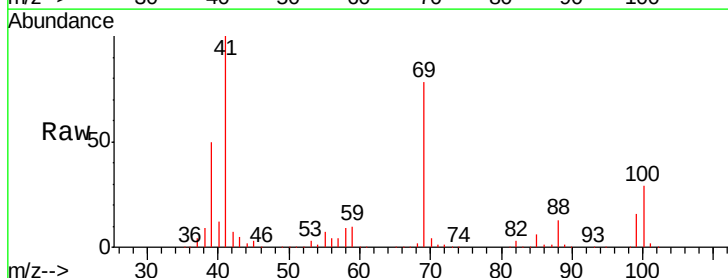
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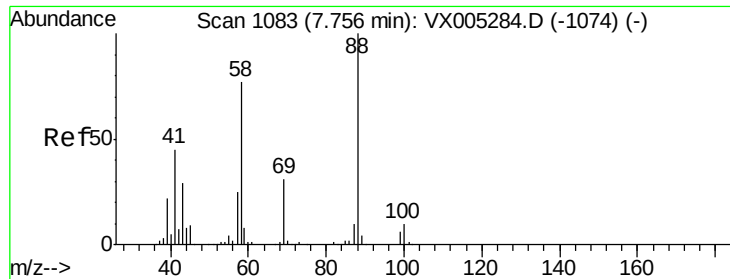
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 10/17/2018 9:06:35 AM



#48
 Methyl methacrylate
 Concen: 52.58 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.7	70.2	105.4
39	51.0	42.7	64.1





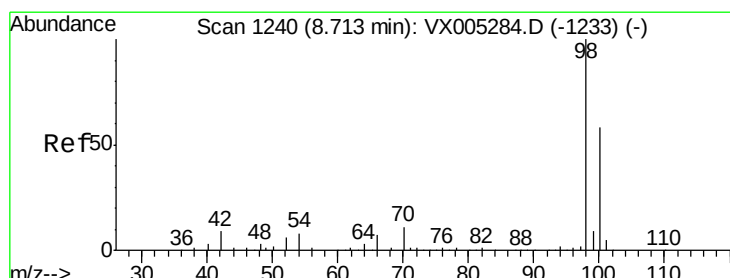
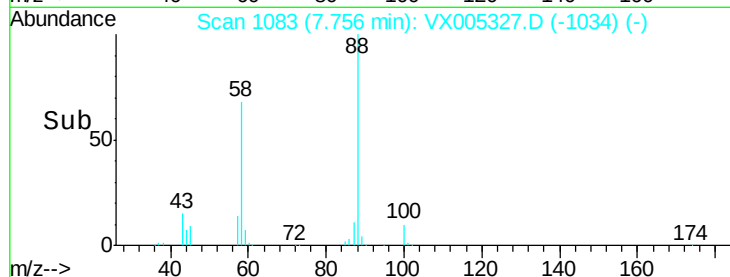
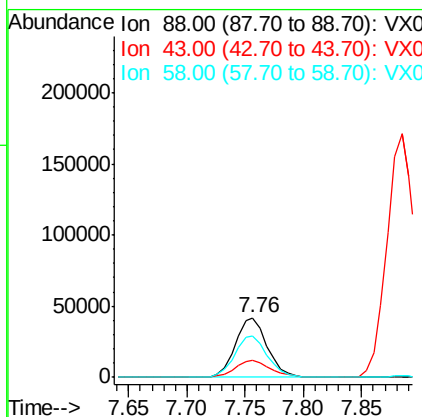
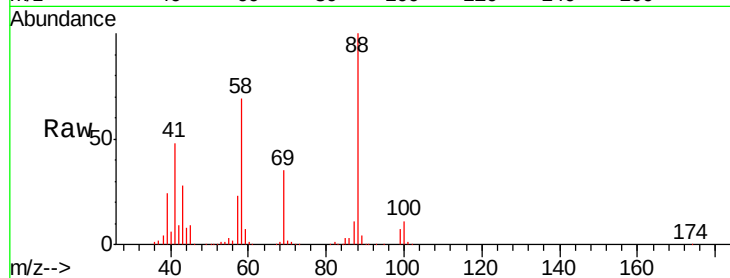
#49
1,4-Dioxane
Concen: 1032.41 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.7	37.1
58	71.7	55.3	82.9

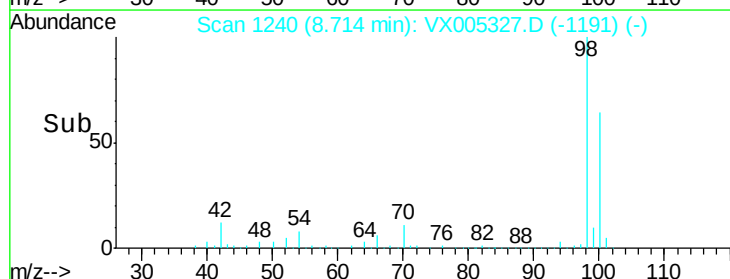
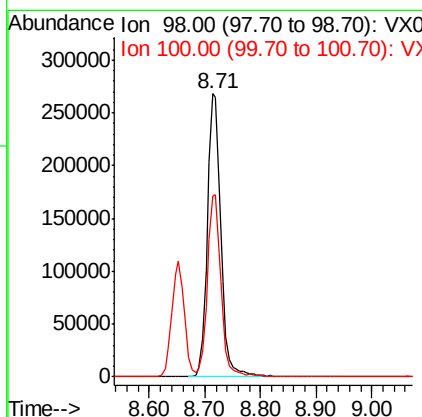
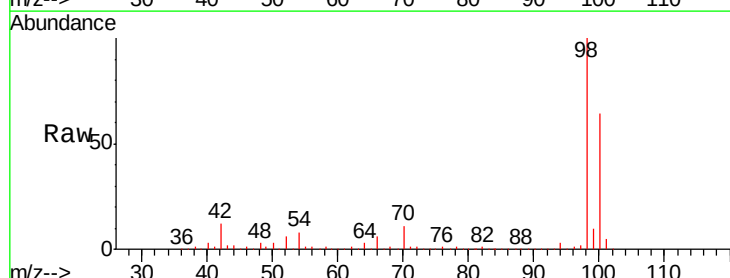
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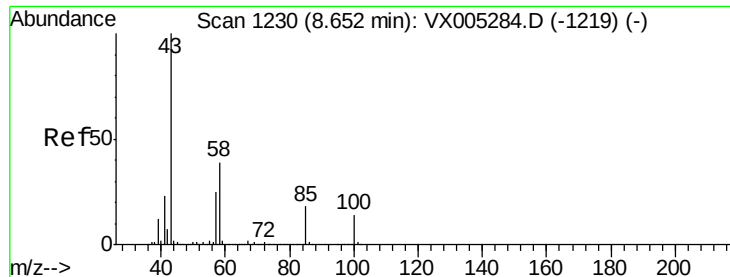
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#50
Toluene-d8
Concen: 52.08 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 268.92 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1197317

Ion Ratio Lower Upper

43 100

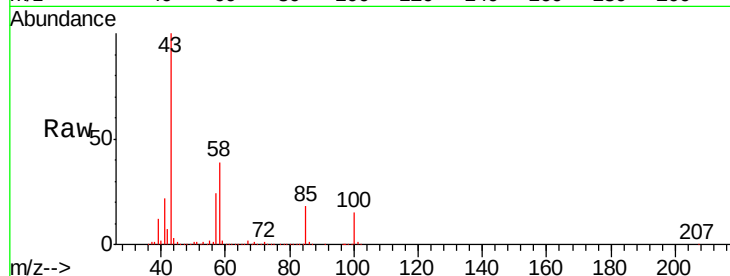
58 39.1 33.1 49.7

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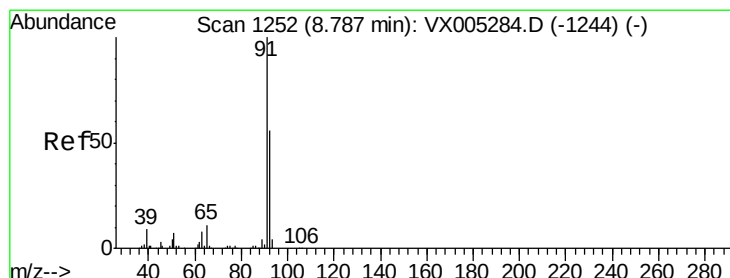
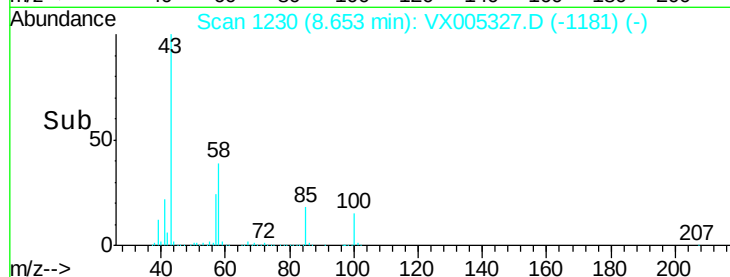
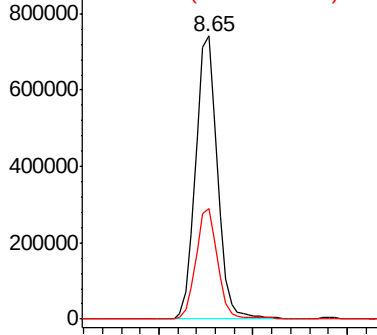
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.21 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005327.D

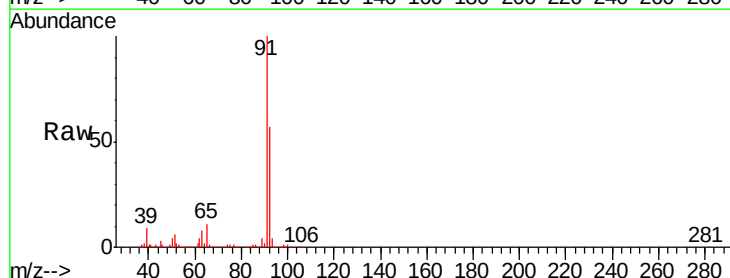
Acq: 13 Oct 2018 07:10

Tgt Ion: 92 Resp: 333923

Ion Ratio Lower Upper

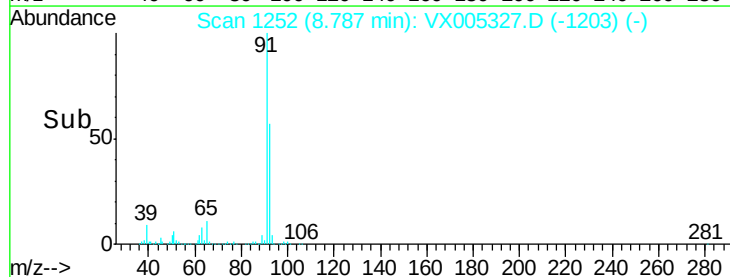
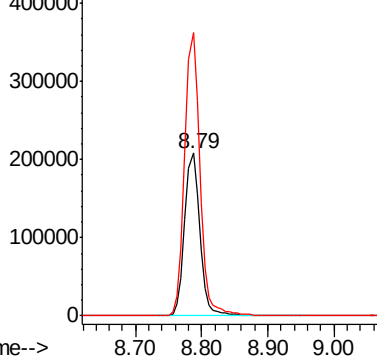
92 100

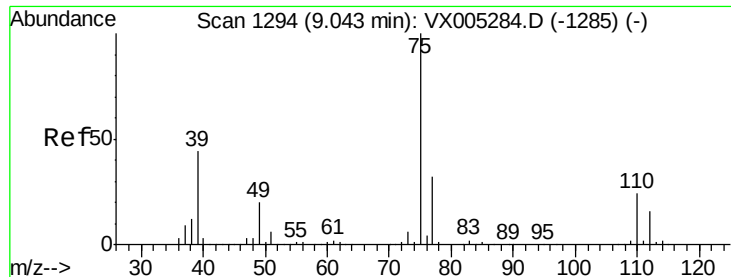
91 173.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





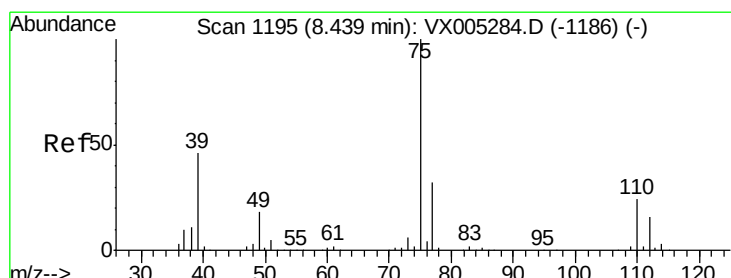
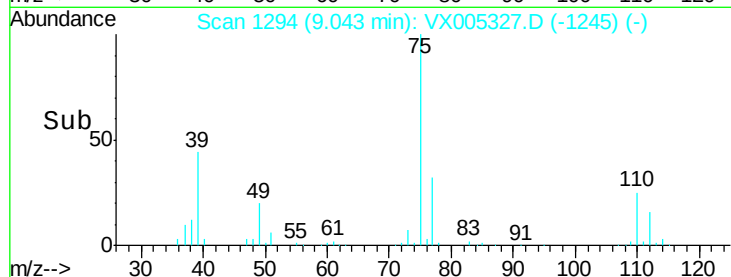
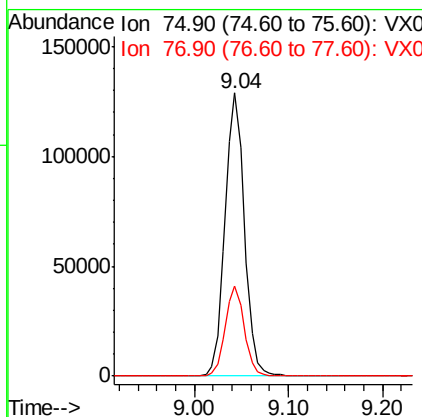
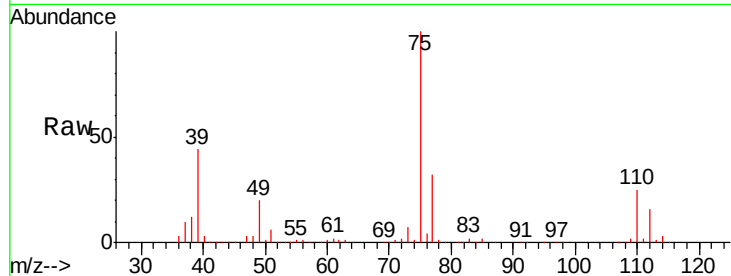
#53
t-1,3-Dichloropropene
Concen: 50.45 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 184115
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

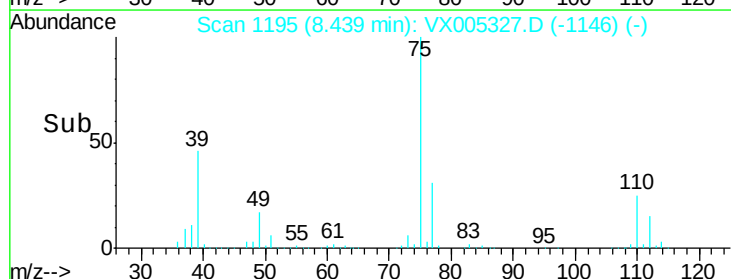
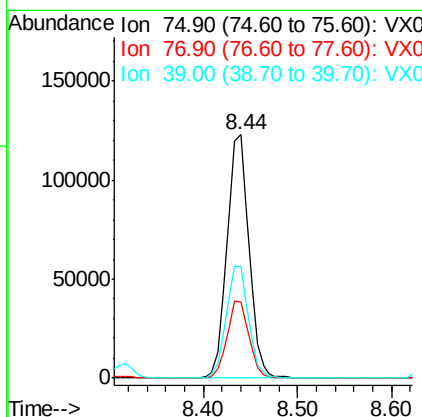
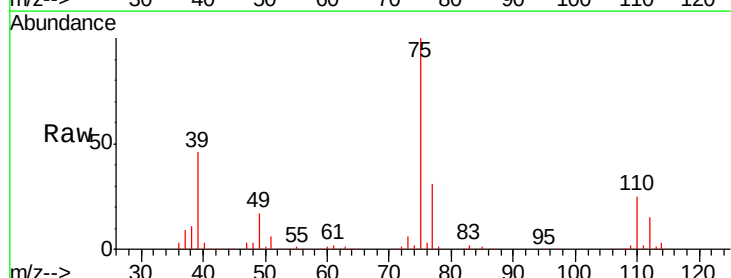
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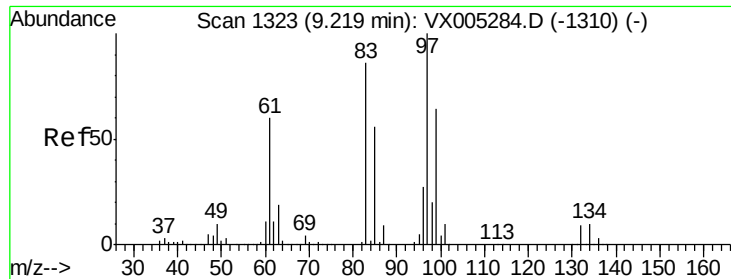
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#54
cis-1,3-Dichloropropene
Concen: 50.56 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion: 75 Resp: 199895
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
39 45.9 36.4 54.6





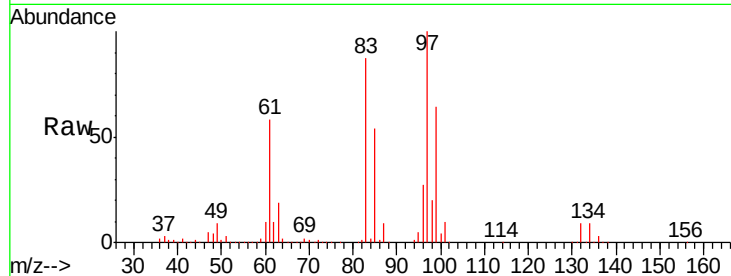
#55
 1,1,2-Trichloroethane
 Concen: 52.49 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

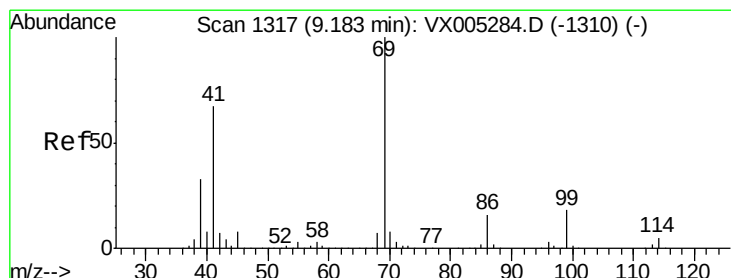
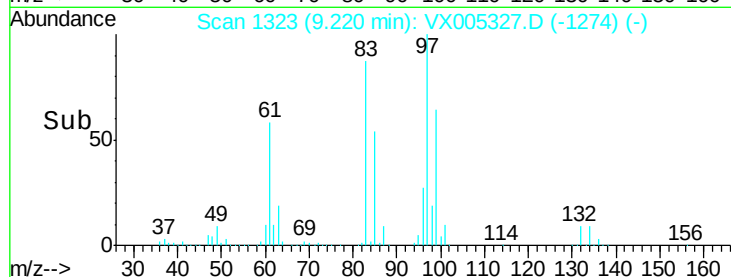
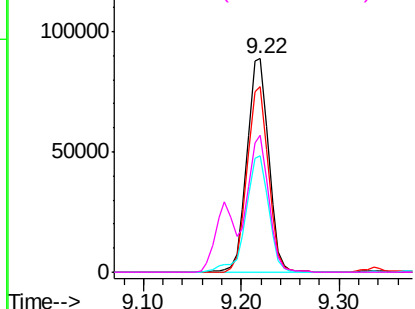
Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	66.4	99.6
85	54.4	43.3	64.9
99	64.0	49.0	73.4

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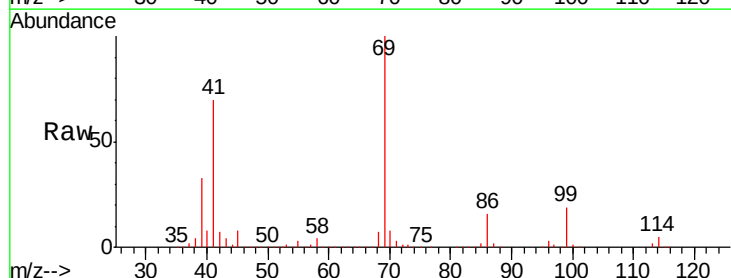


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

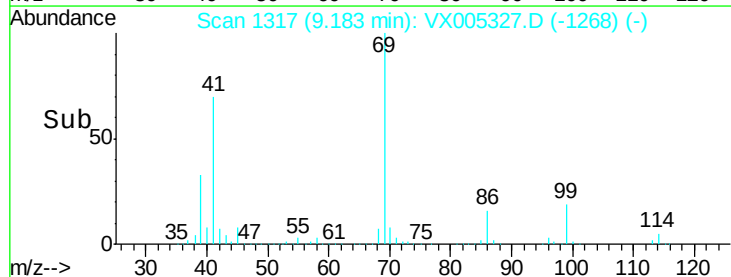
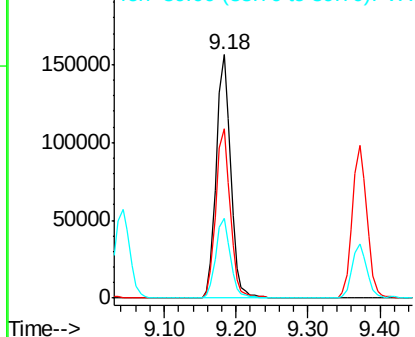


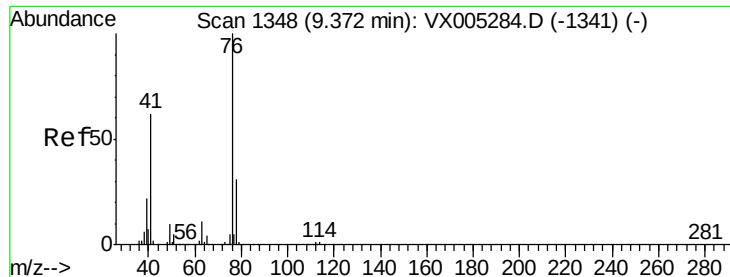
#56
 Ethyl methacrylate
 Concen: 57.03 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	51.0	76.4
39	33.0	26.1	39.1



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





#57

1,3-Dichloropropane

Concen: 52.68 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 229420

Ion Ratio Lower Upper

76 100

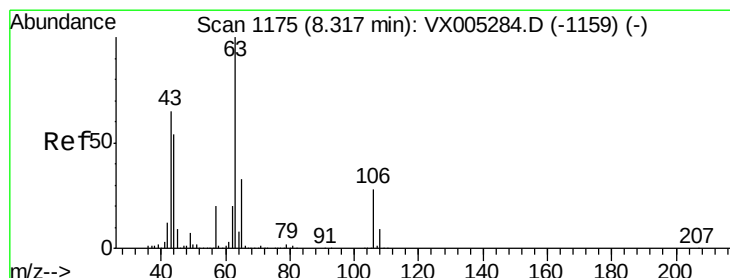
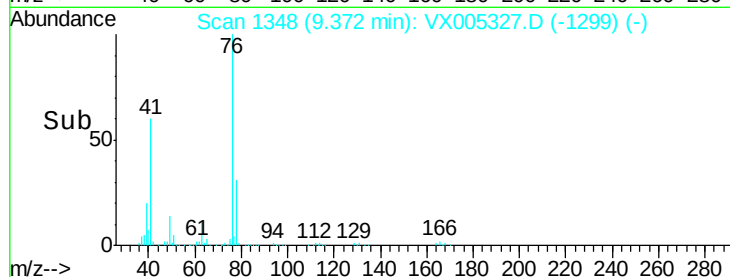
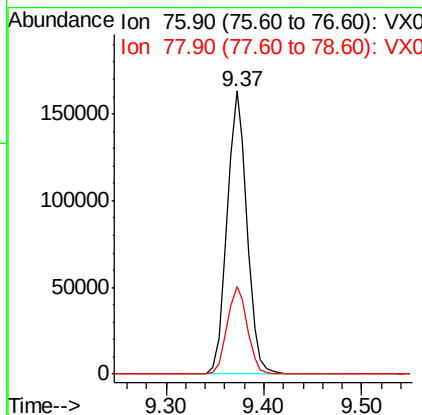
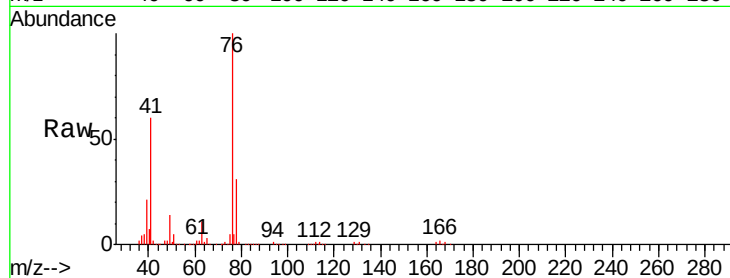
78 31.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 278.41 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005327.D

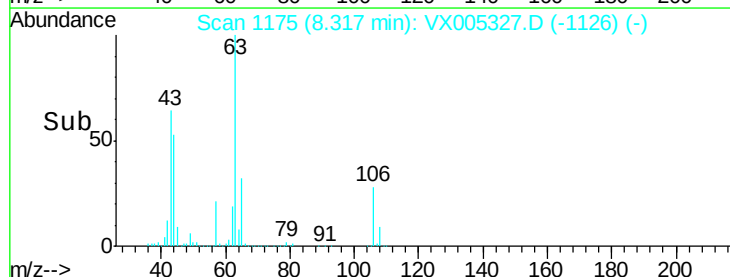
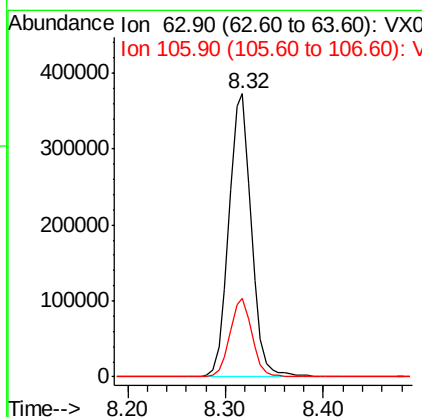
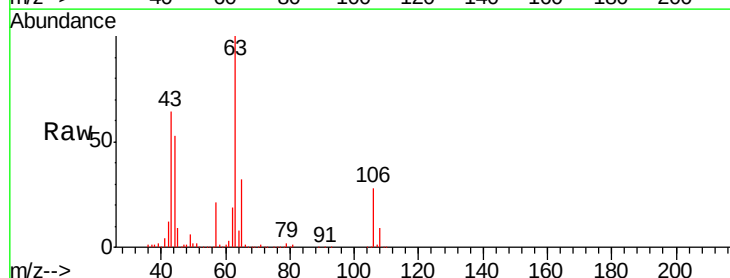
Acq: 13 Oct 2018 07:10

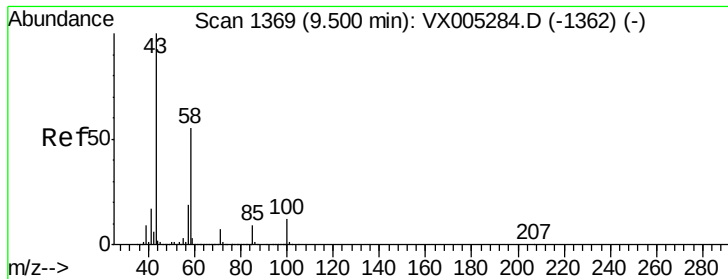
Tgt Ion: 63 Resp: 593887

Ion Ratio Lower Upper

63 100

106 27.6 23.9 35.9





#59

2-Hexanone

Concen: 266.89 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 955851

Ion Ratio Lower Upper

43 100

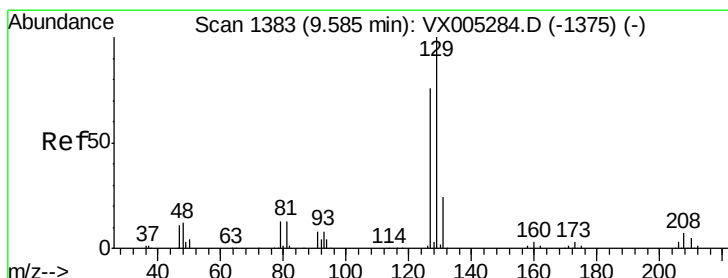
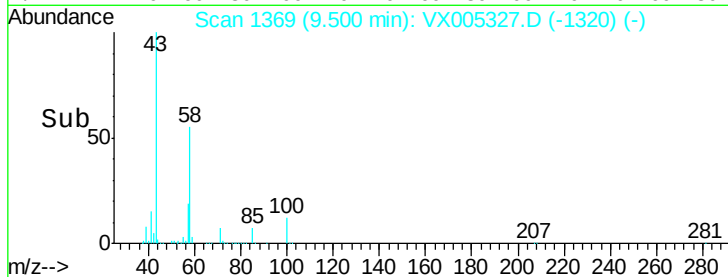
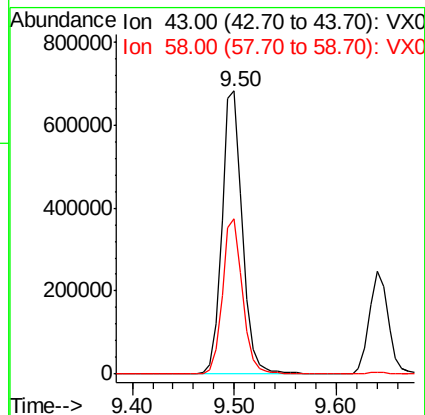
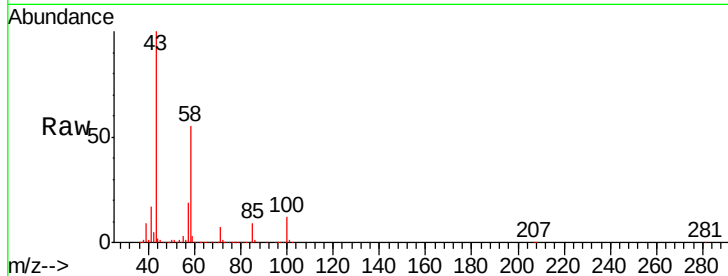
58 53.9 29.0 87.0

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#60

Dibromochloromethane

Concen: 52.20 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX005327.D

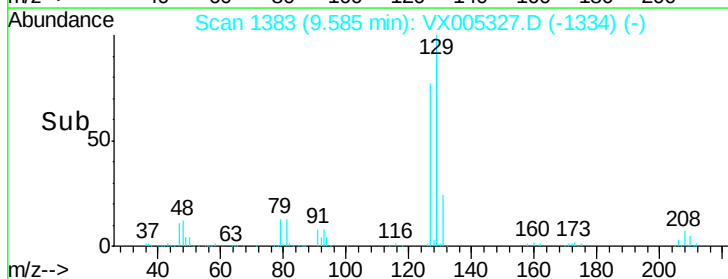
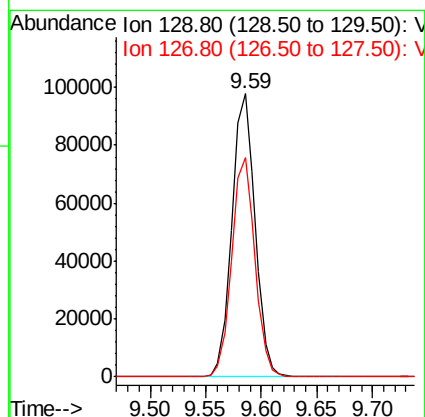
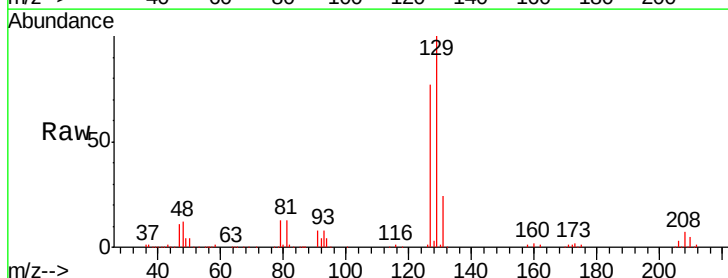
Acq: 13 Oct 2018 07:10

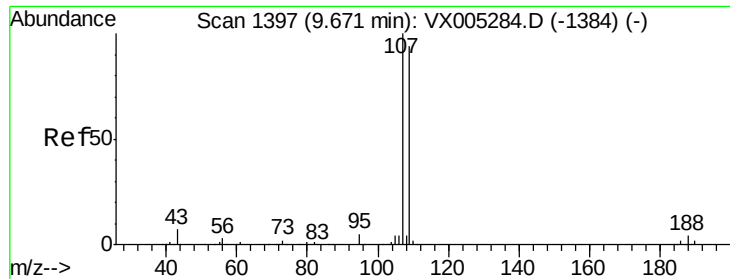
Tgt Ion: 129 Resp: 140783

Ion Ratio Lower Upper

129 100

127 77.4 38.5 115.5





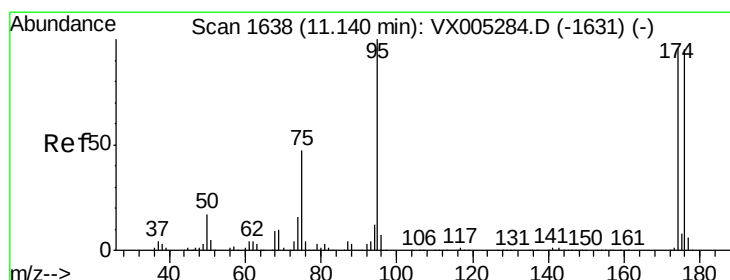
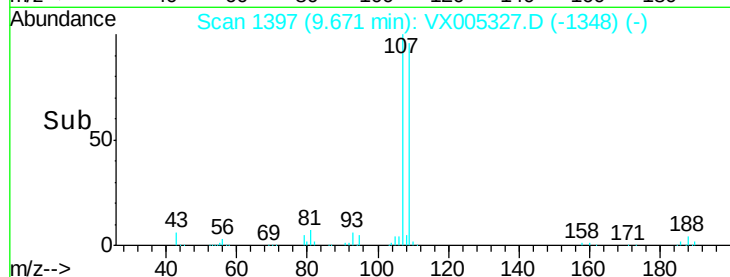
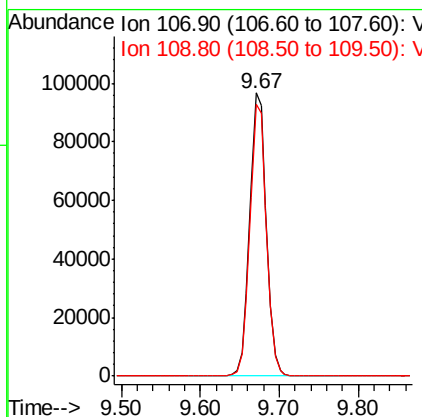
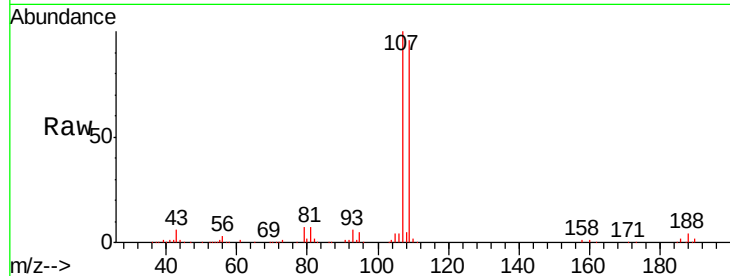
#61
 1,2-Dibromoethane
 Concen: 51.86 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 142000
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.0 114.0

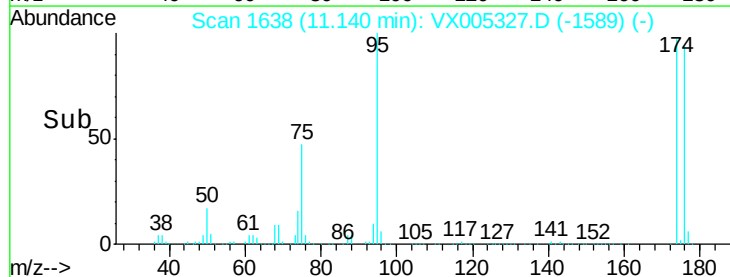
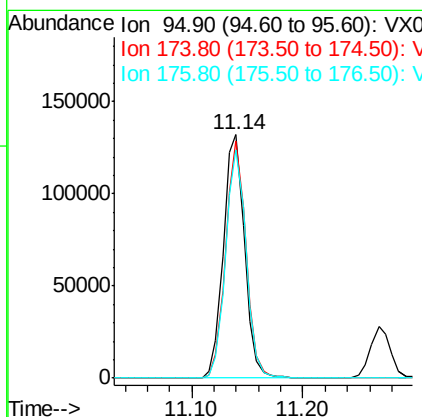
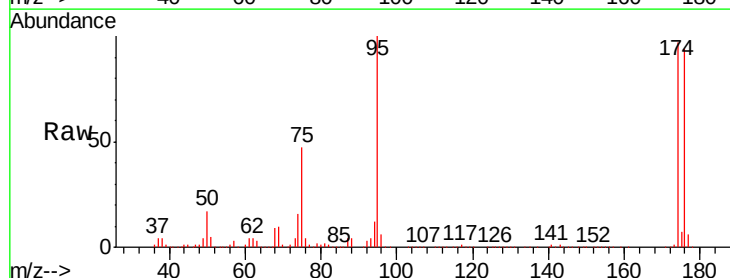
Manual Integrations
 APPROVED

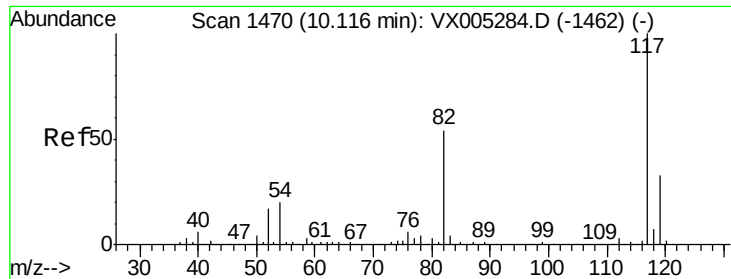
MMDadoda
 10/17/2018 9:06:35 AM



#62
 4-Bromofluorobenzene
 Concen: 52.61 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion: 95 Resp: 174162
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 185.2
 176 90.7 0.0 178.6





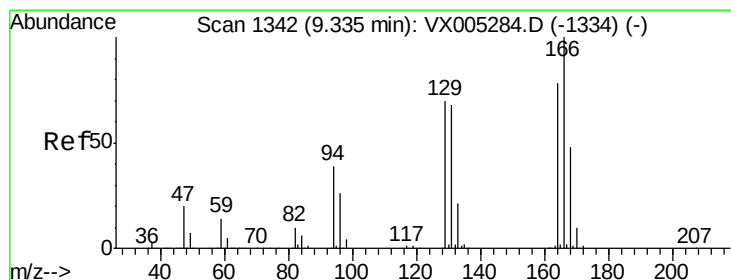
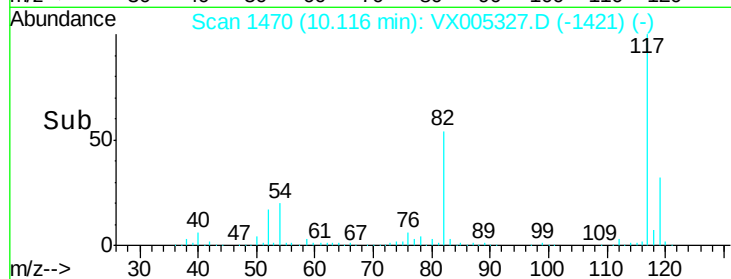
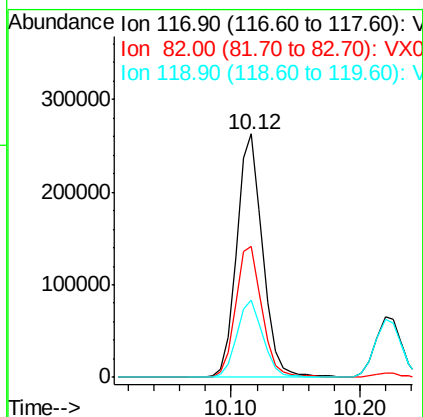
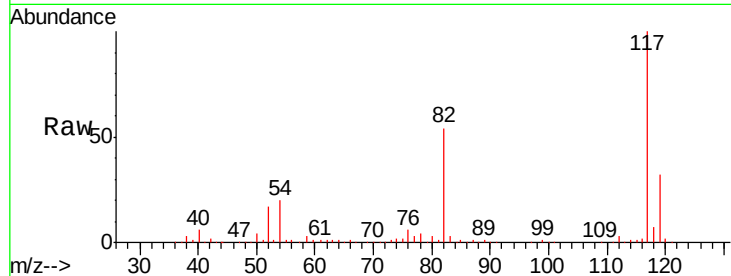
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	47.8	71.6
119	31.8	29.3	43.9

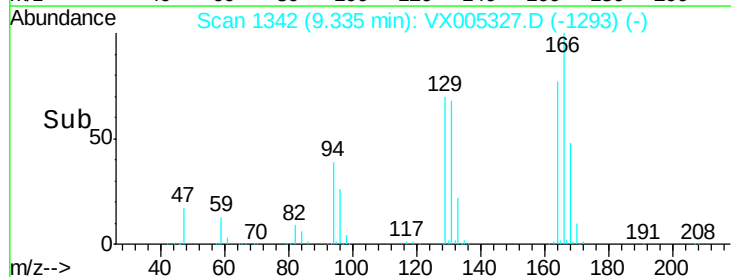
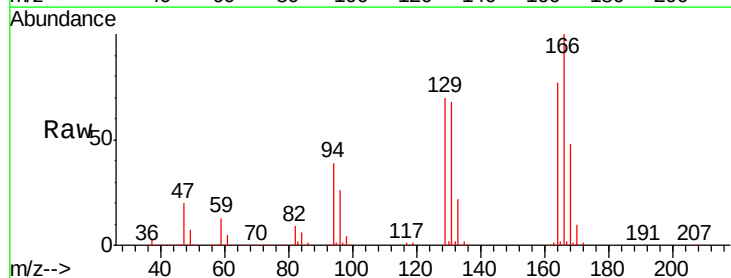
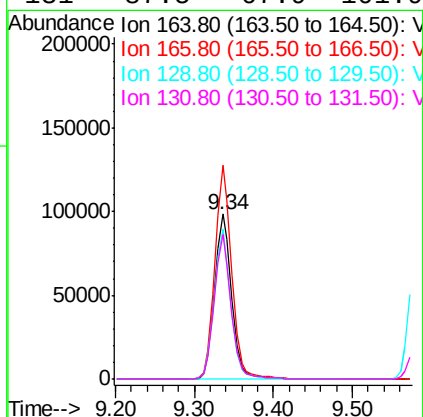
Manual Integrations
APPROVED

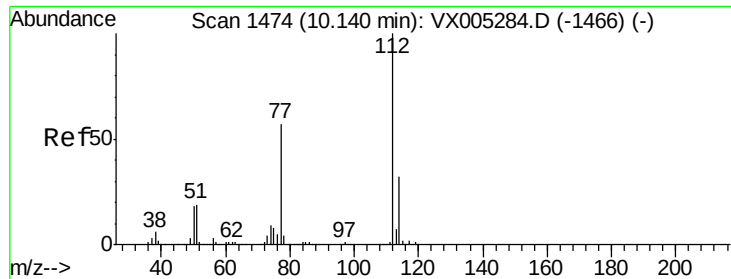
MMDadoda
10/17/2018 9:06:35 AM



#64
Tetrachloroethene
Concen: 50.20 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.8	154.2
129	90.9	69.4	104.0
131	87.5	67.9	101.9





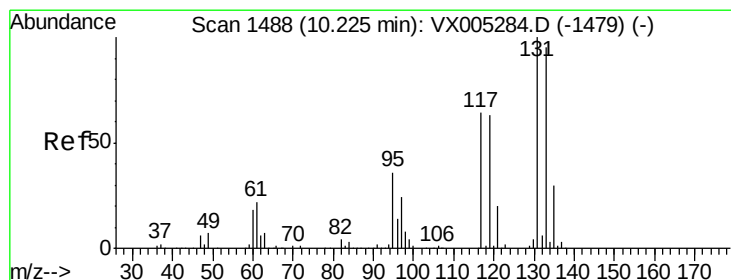
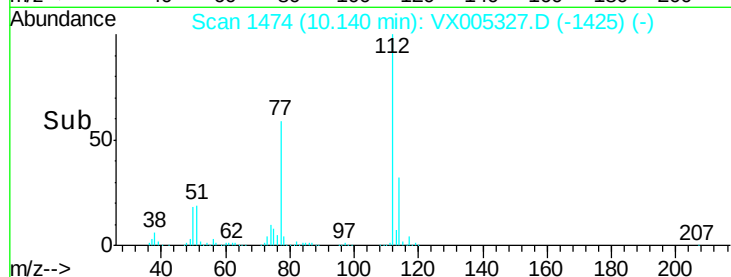
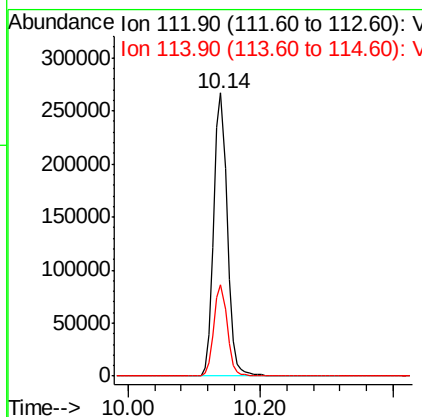
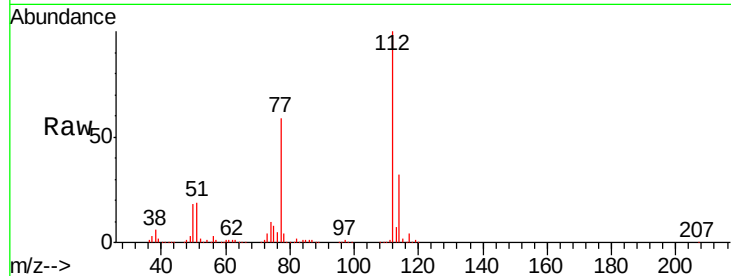
#65
Chlorobenzene
Concen: 48.11 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 375157
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.8

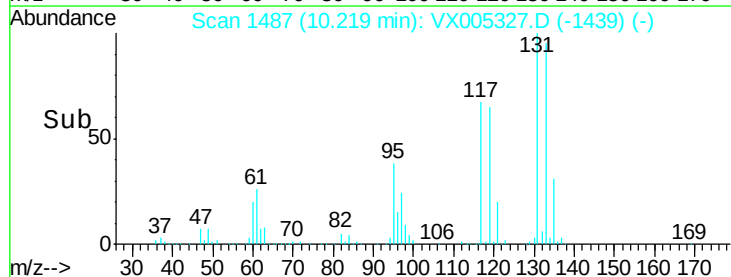
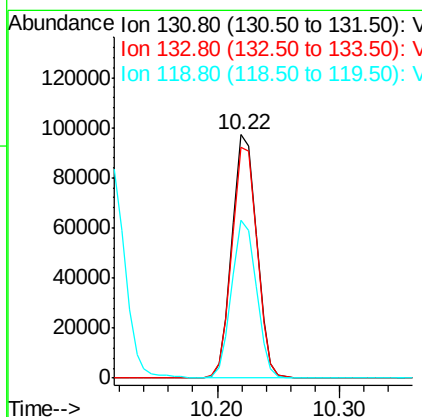
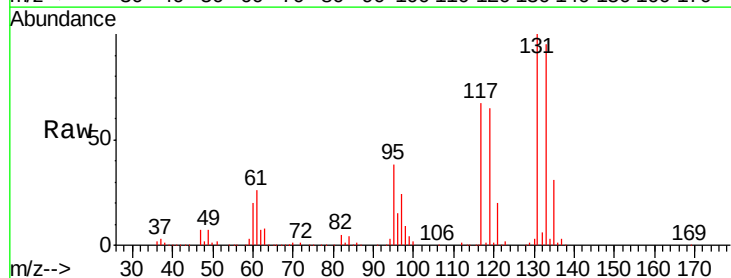
Manual Integrations
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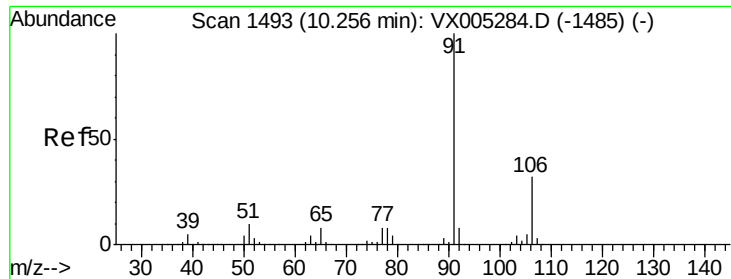
MMDadoda
10/17/2018 9:06:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.86 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion:131 Resp: 135782
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.4
119 65.0 32.9 98.6





#67

Ethyl Benzene

Concen: 51.00 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 646526

Ion Ratio Lower Upper

91 100

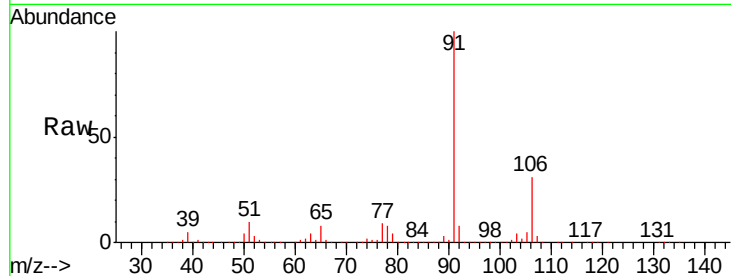
106 30.9 25.9 38.9

Manual Integrations

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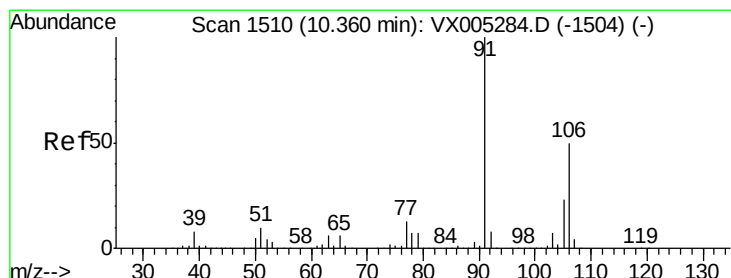
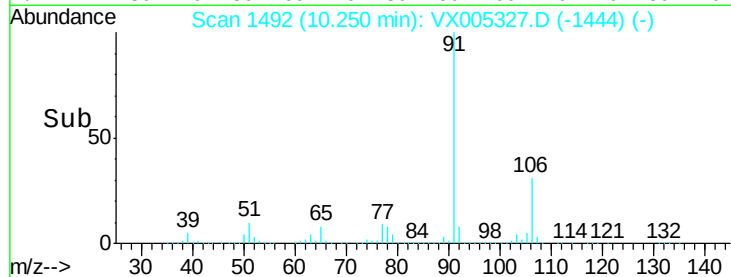
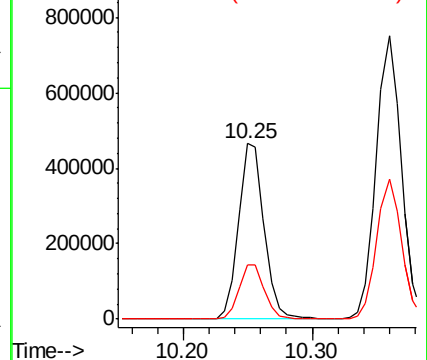
MMDadoda

10/17/2018 9:06:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.57 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005327.D

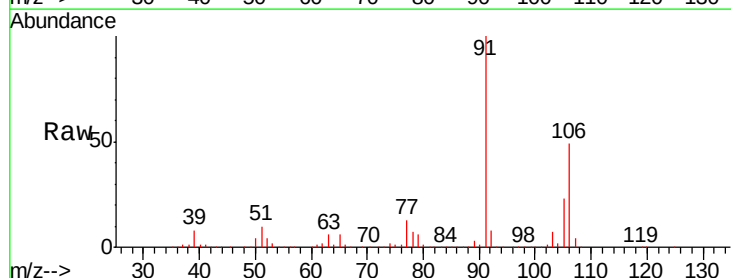
Acq: 13 Oct 2018 07:10

Tgt Ion: 106 Resp: 499761

Ion Ratio Lower Upper

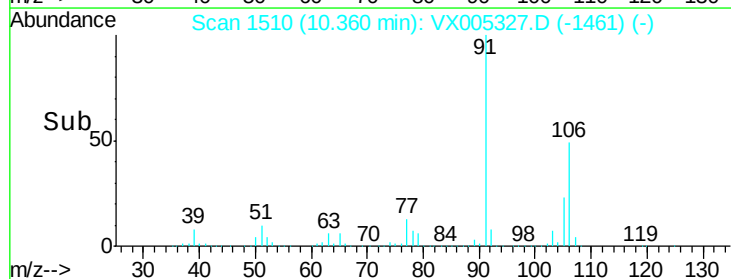
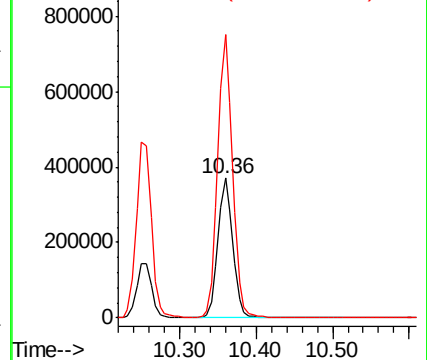
106 100

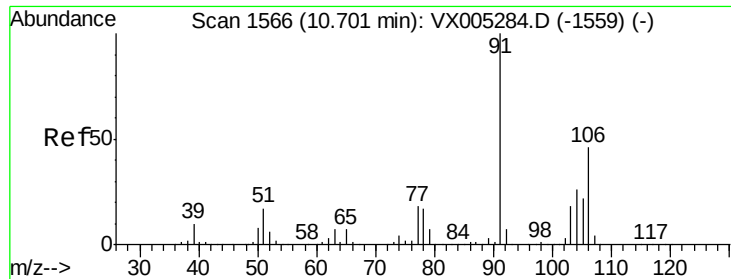
91 203.3 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





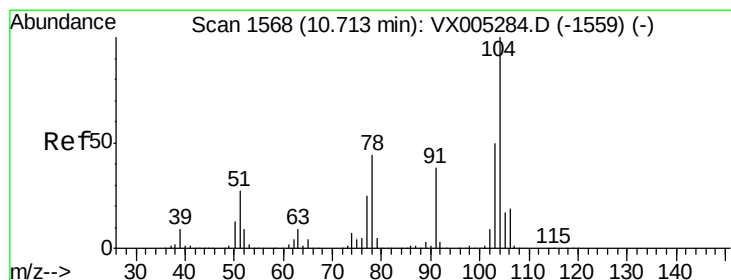
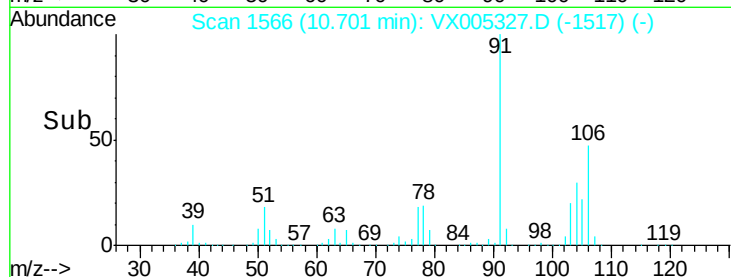
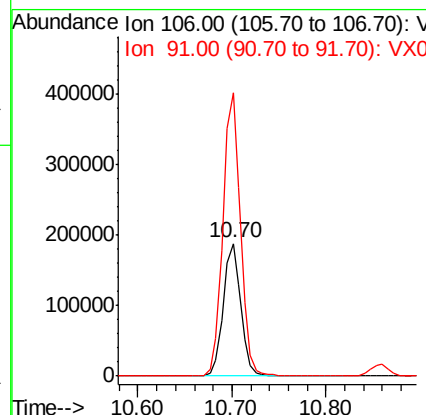
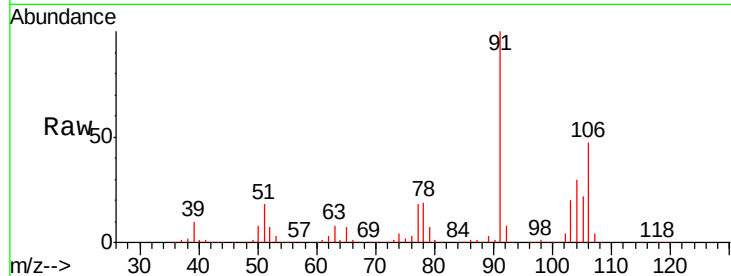
#69
o-Xylene
Concen: 51.16 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 242748
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.1

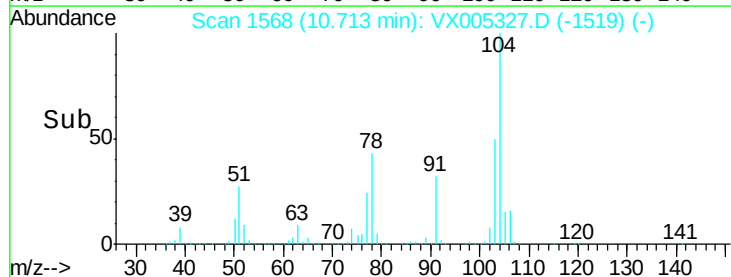
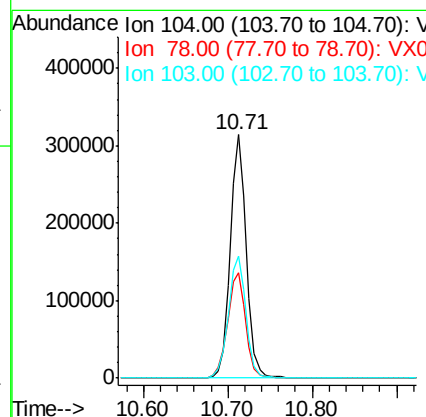
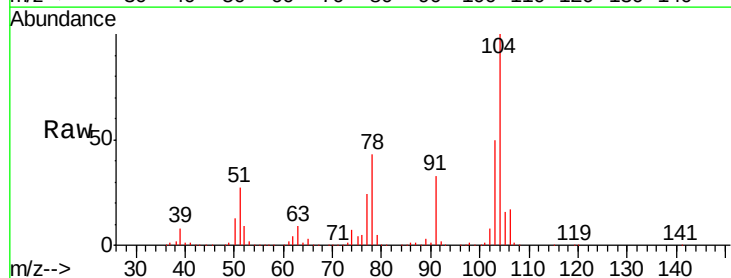
Manual Integrations
APPROVED

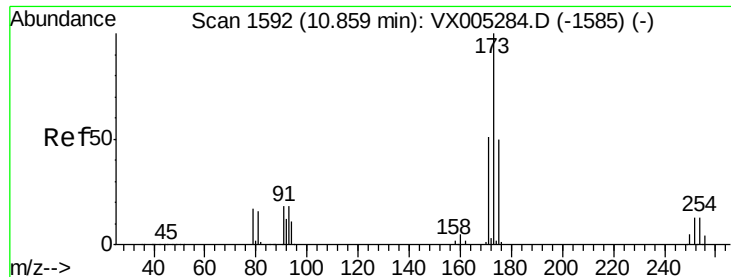
MMDadoda
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#70
Styrene
Concen: 52.82 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion:104 Resp: 412275
Ion Ratio Lower Upper
104 100
78 49.1 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 48.21 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 119718

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

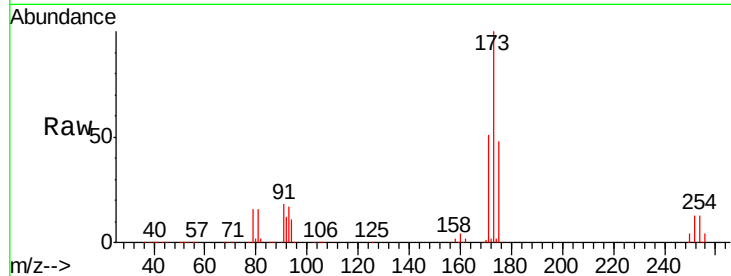
254 0.2 0.2 0.2

Manual Integrations

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MMDadoda

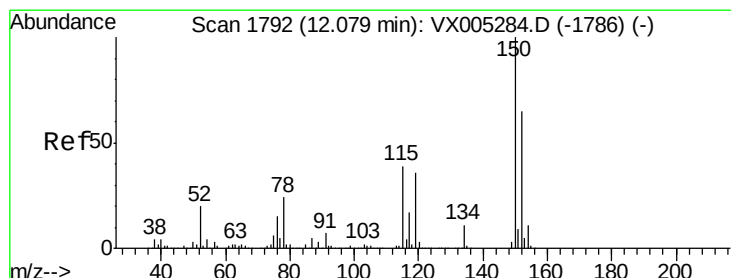
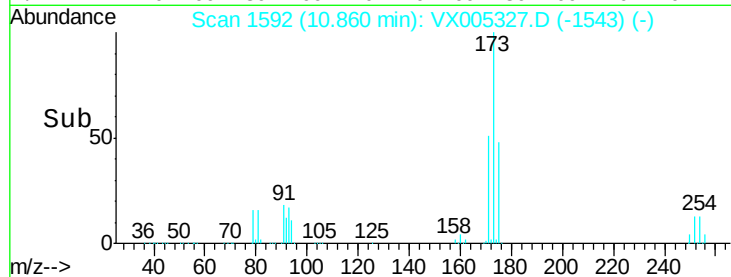
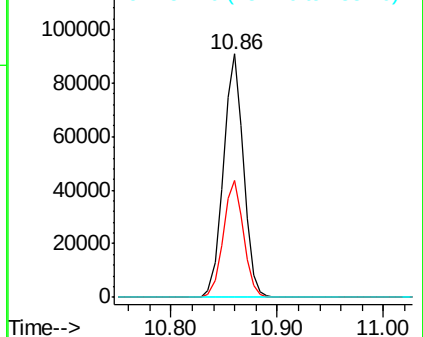
10/17/2018 9:06:35 AM



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: VX005327.D

Acq: 13 Oct 2018 07:10

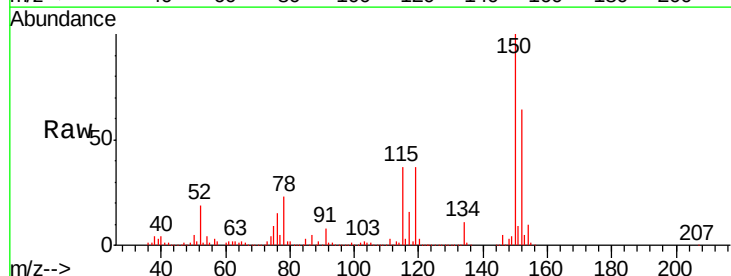
Tgt Ion:152 Resp: 211894

Ion Ratio Lower Upper

152 100

115 76.0 39.0 117.0

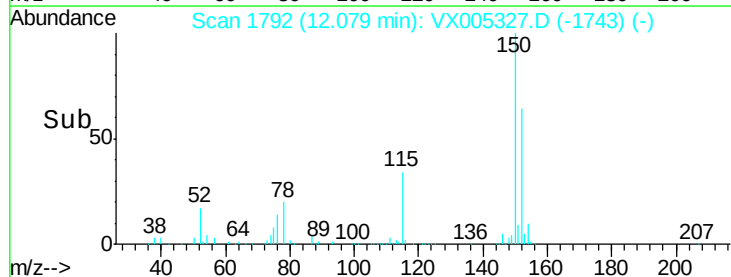
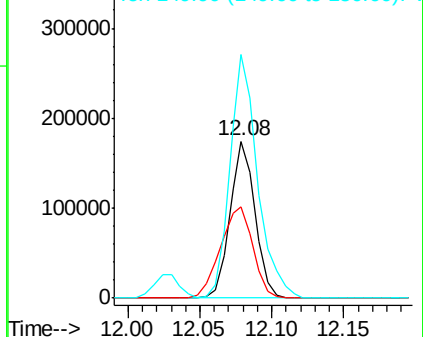
150 171.7 0.0 351.0

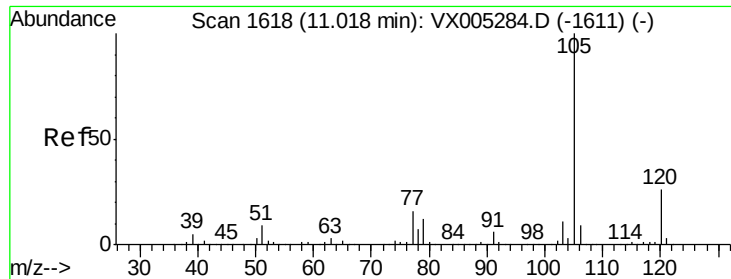


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





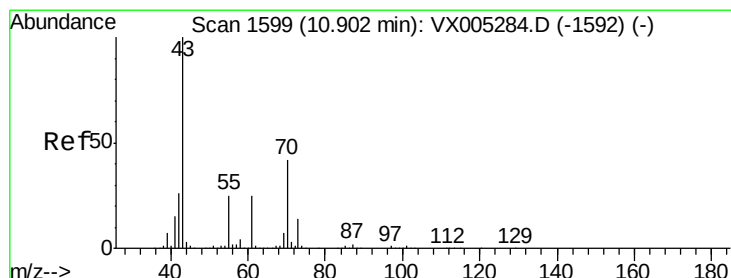
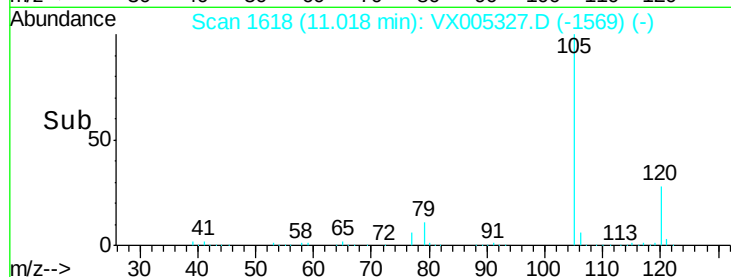
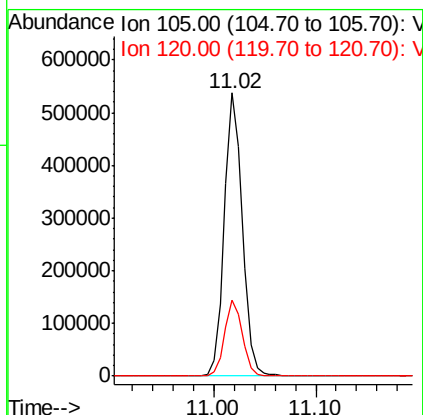
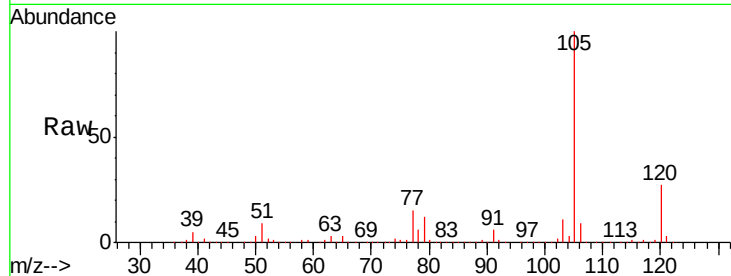
#73
Isopropylbenzene
Concen: 52.47 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 105 Resp: 660998
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

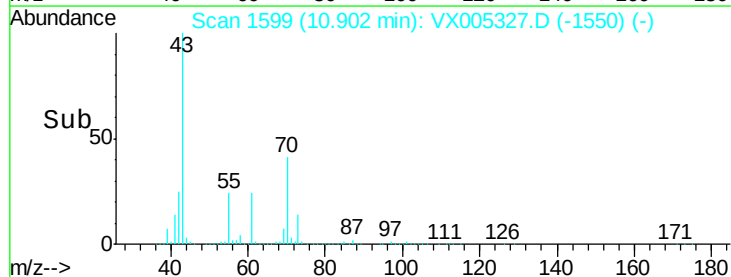
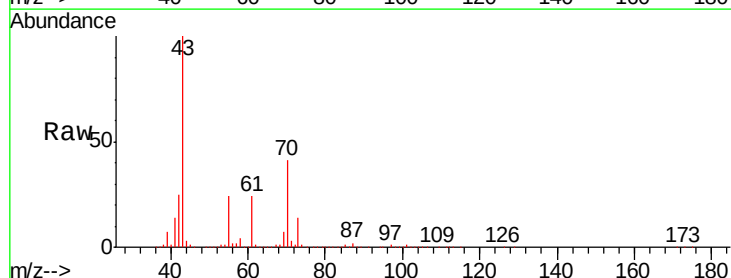
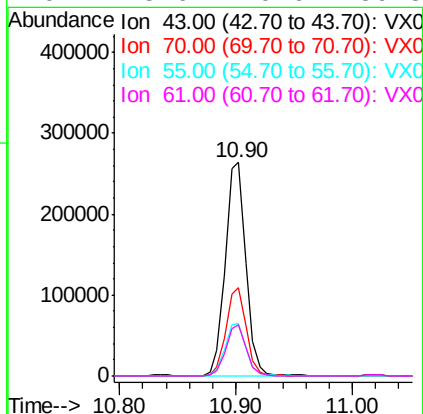
Manual Integrations
APPROVED

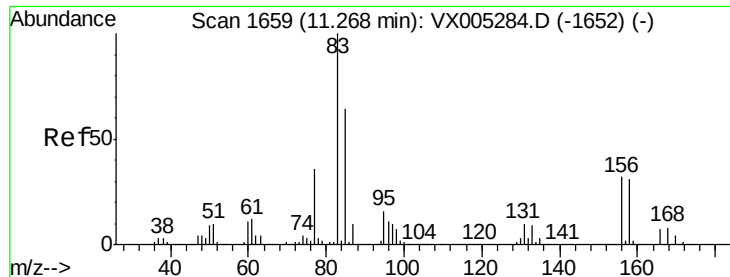
MMDadoda
10/17/2018 9:06:35 AM



#74
N-ethyl acetate
Concen: 53.30 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion: 43 Resp: 323810
Ion Ratio Lower Upper
43 100
70 40.7 37.4 56.0
55 25.1 21.8 32.8
61 23.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.96 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 227879
Ion Ratio Lower Upper

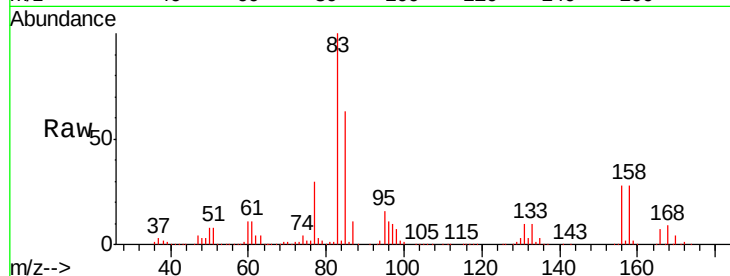
83 100

131 10.5 5.2 15.6

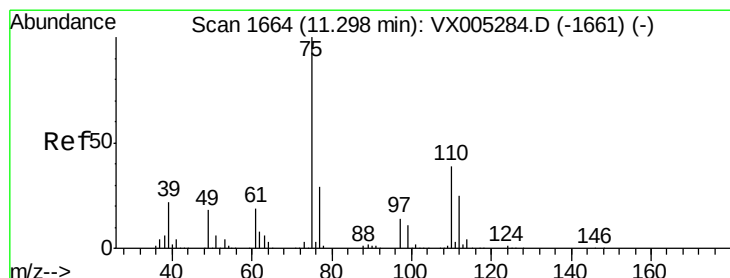
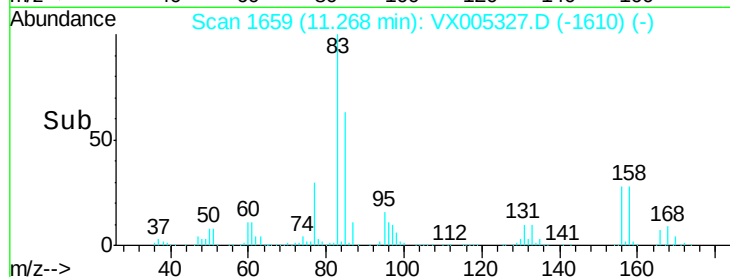
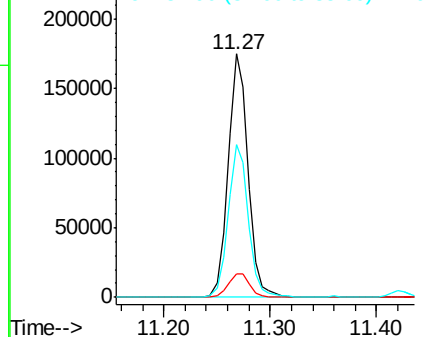
85 63.9 32.3 96.8

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.04 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

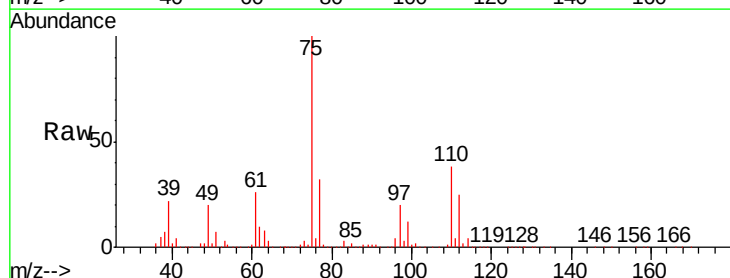
Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

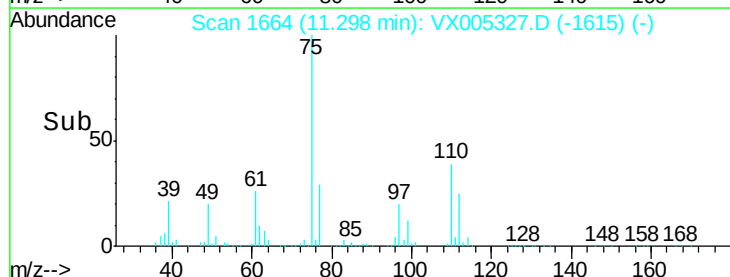
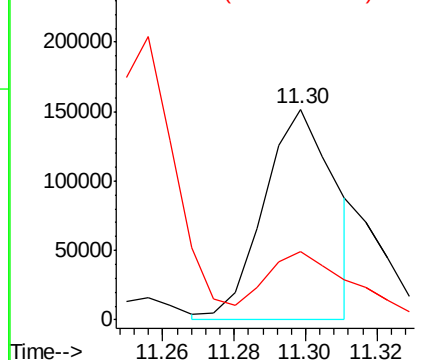
Tgt Ion: 75 Resp: 209790
Ion Ratio Lower Upper

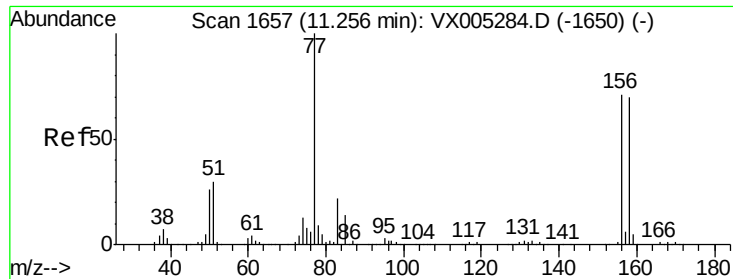
75 100

77 39.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.69 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 178972

Ion Ratio Lower Upper

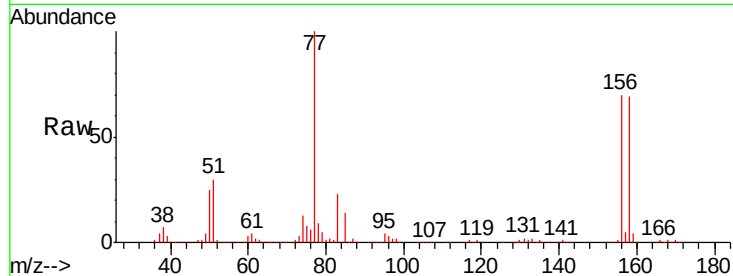
156 100

77 144.0 71.5 214.3

158 97.5 48.9 146.8

Manual Integrations
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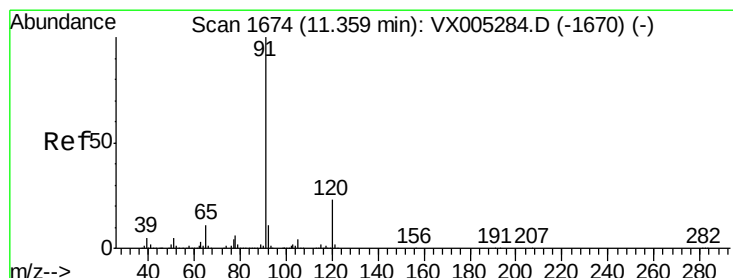
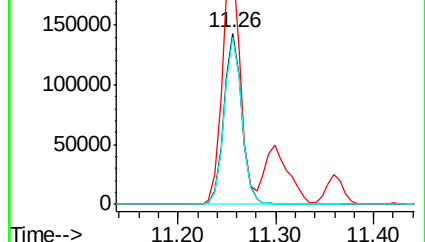
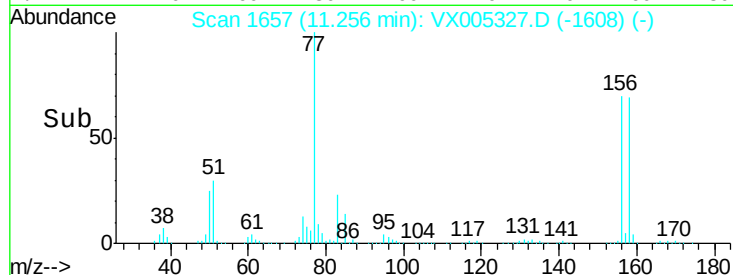
MMDadoda
10/17/2018 9:06:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.43 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005327.D

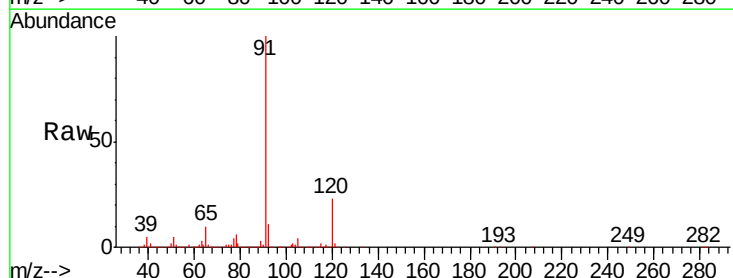
Acq: 13 Oct 2018 07:10

Tgt Ion: 91 Resp: 760048

Ion Ratio Lower Upper

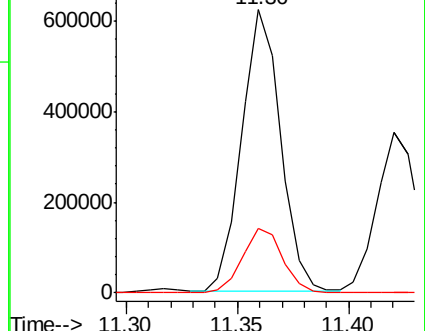
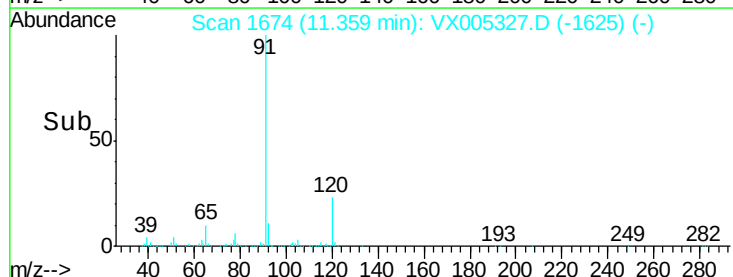
91 100

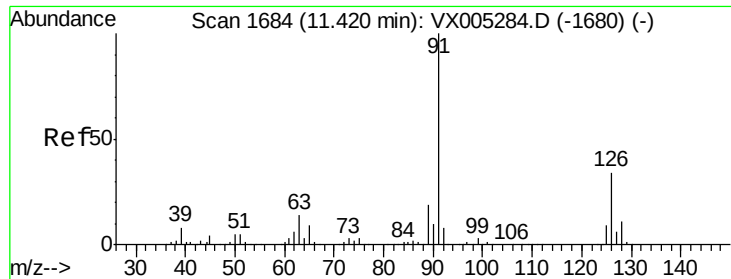
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





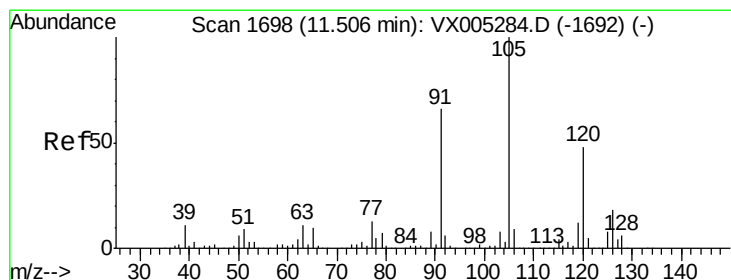
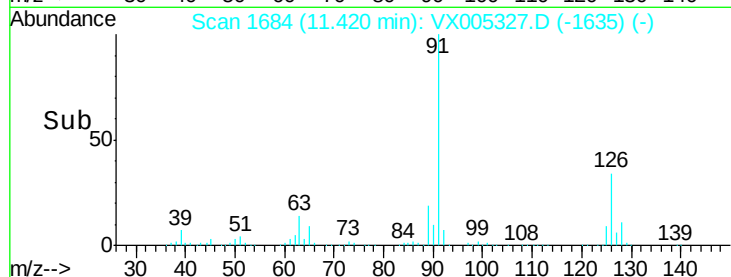
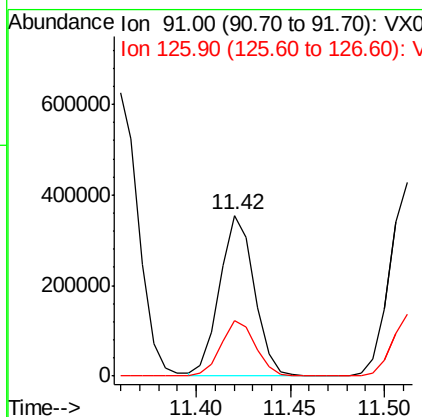
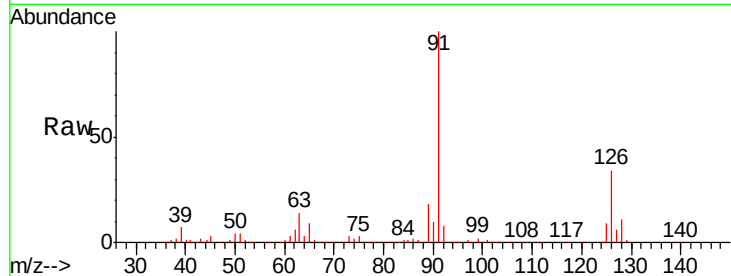
#79
 2-Chlorotoluene
 Concen: 50.58 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 448990
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7

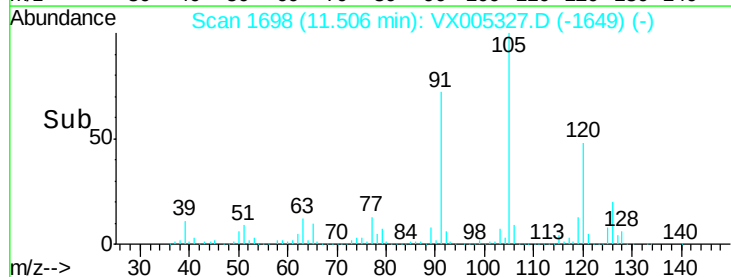
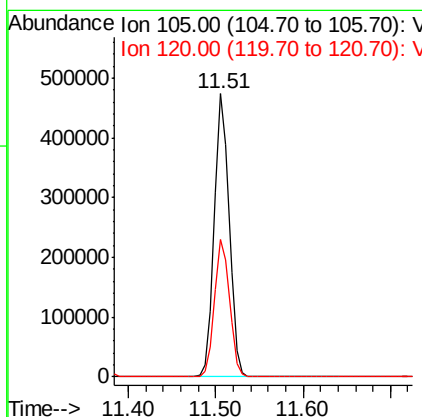
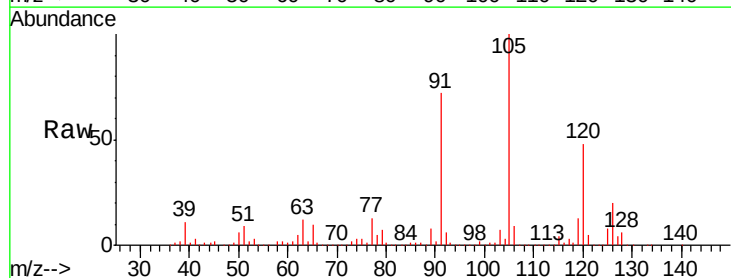
Manual Integrations
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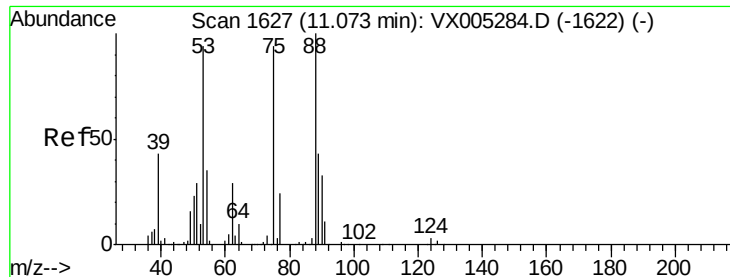
MMDadoda
 10/17/2018 9:06:35 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.14 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion: 105 Resp: 562434
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 42.38 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 57328

Ion Ratio Lower Upper

75 100

53 98.2 80.1 120.1

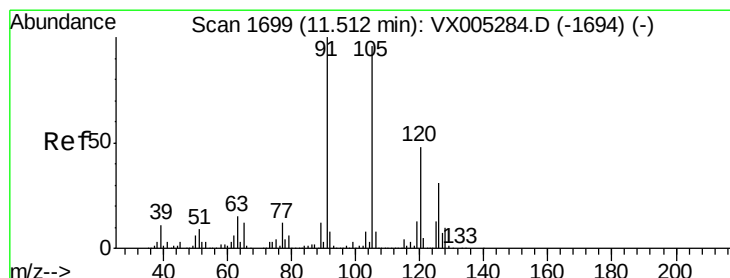
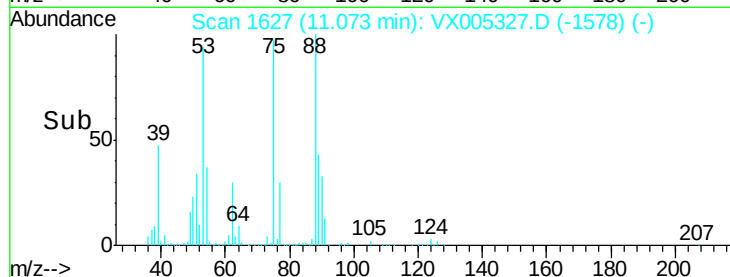
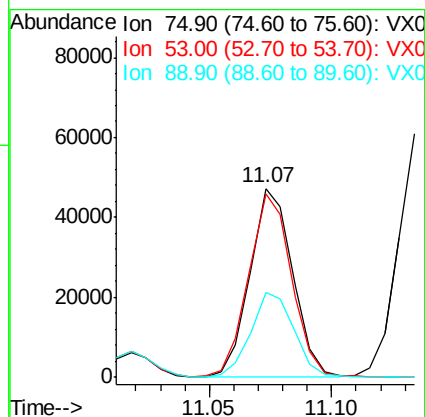
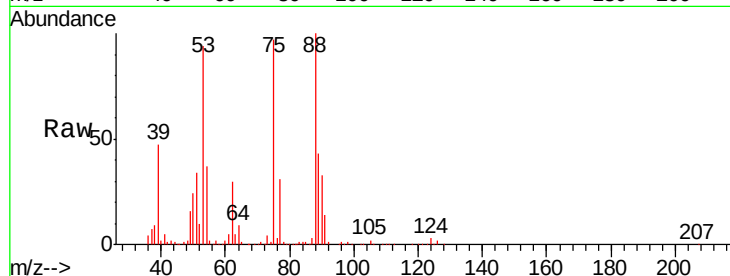
89 45.7 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 50.60 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005327.D

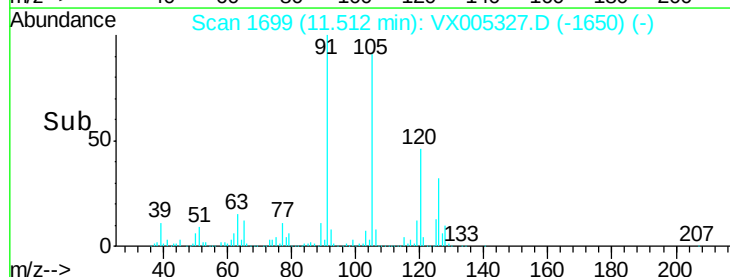
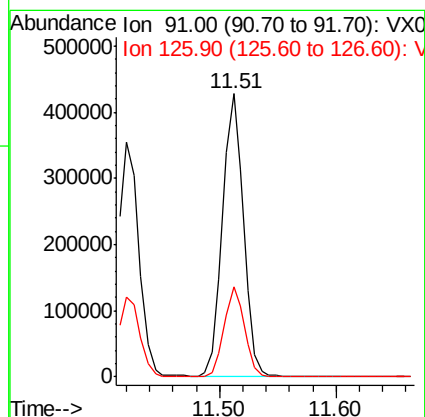
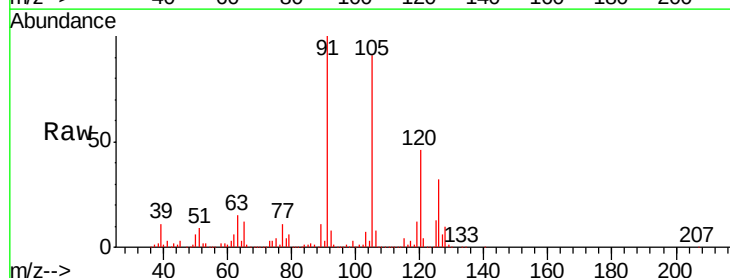
Acq: 13 Oct 2018 07:10

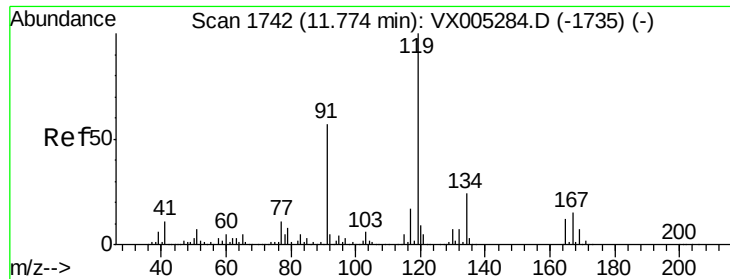
Tgt Ion: 91 Resp: 532523

Ion Ratio Lower Upper

91 100

126 30.9 15.5 46.5





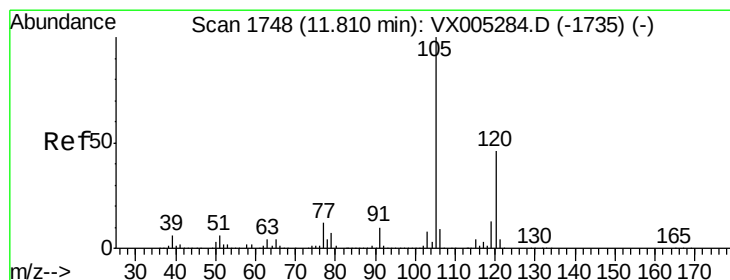
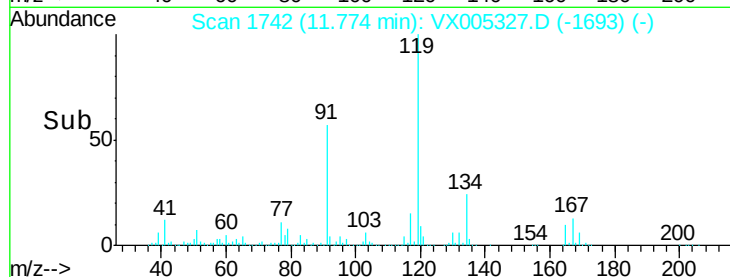
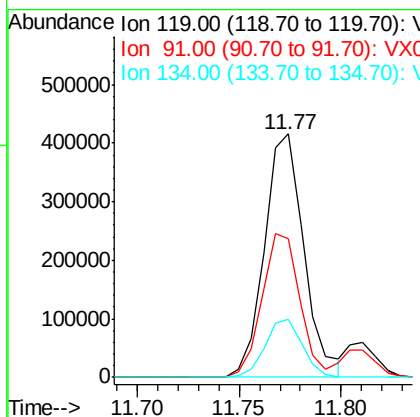
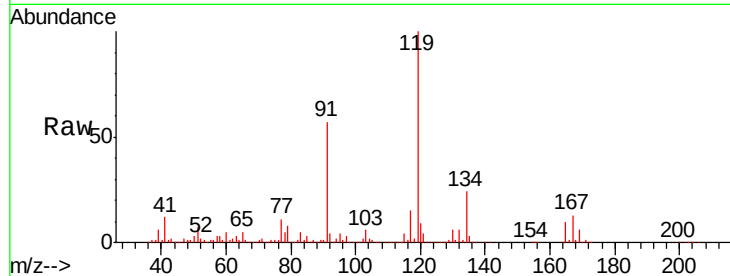
#83
 tert-Butylbenzene
 Concen: 51.34 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	560811		
91	56.6	27.0	81.0	
134	22.7	11.7	35.1	

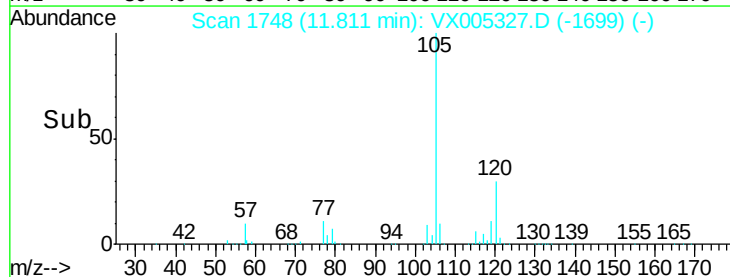
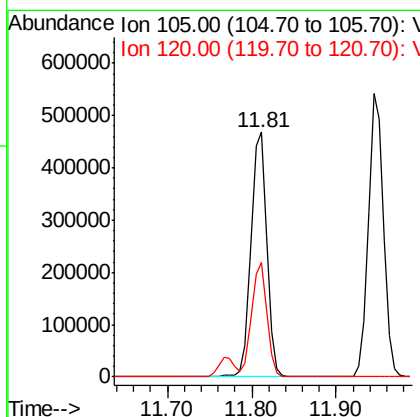
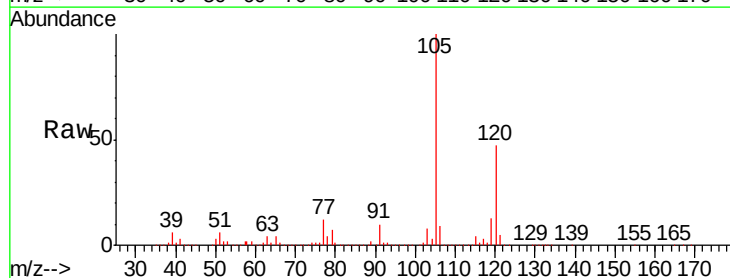
Manual Integrations
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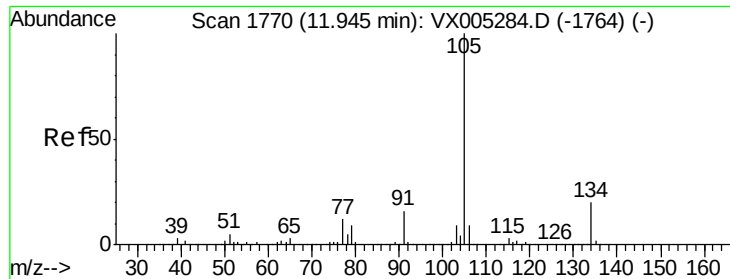
MMDadoda
 10/17/2018 9:06:35 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.48 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	582553		
120	45.3	23.2	69.6	





#85

sec-Butylbenzene

Concen: 52.23 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 675113

Ion Ratio Lower Upper

105 100

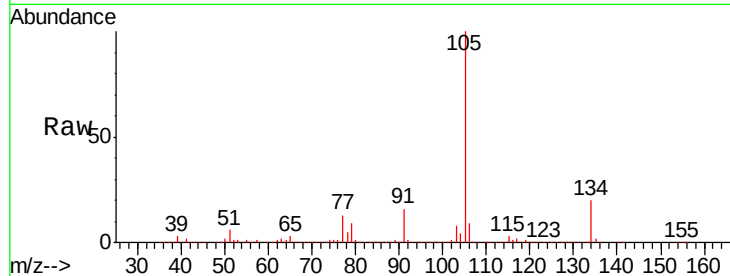
134 20.6 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

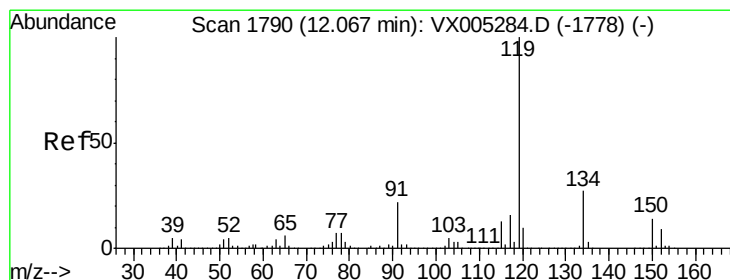
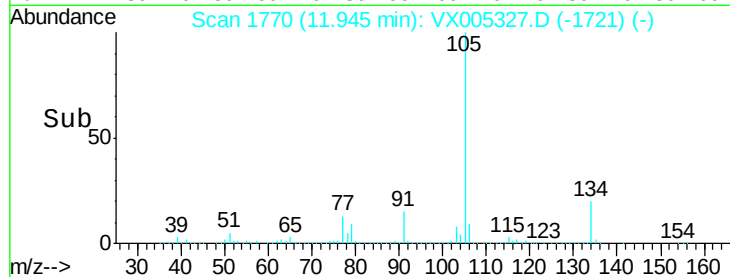
100000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 51.91 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

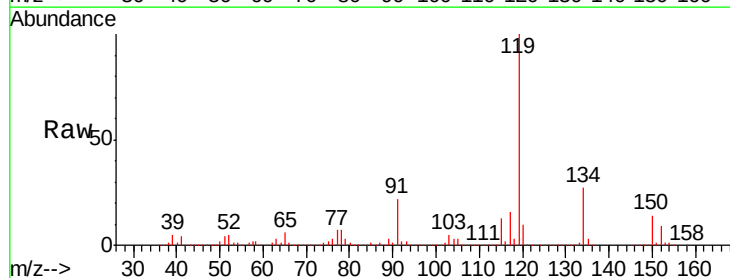
Tgt Ion:119 Resp: 606518

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.7 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

600000

400000

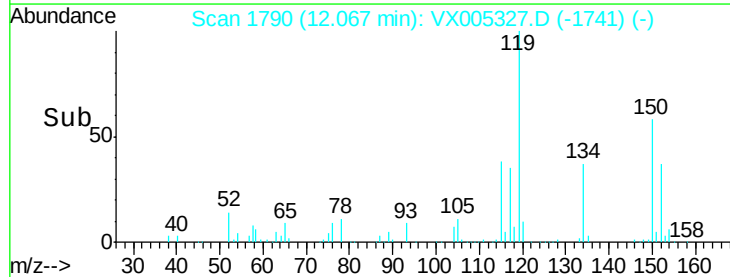
200000

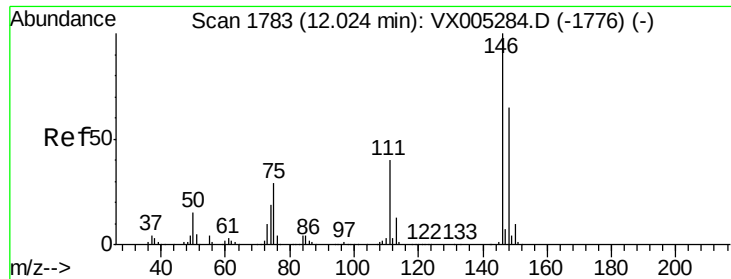
0

12.00

12.10

Time-->





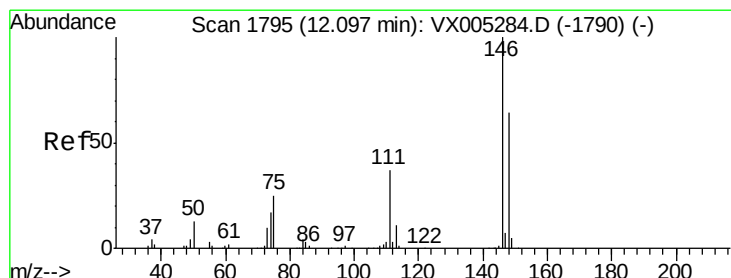
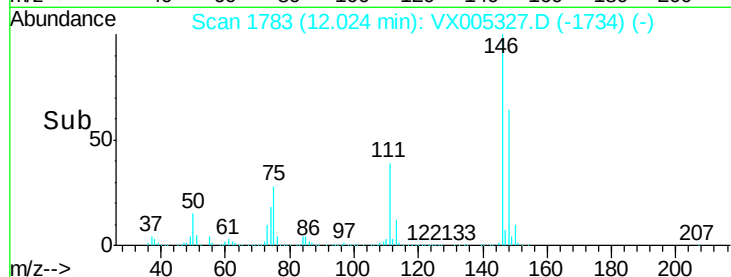
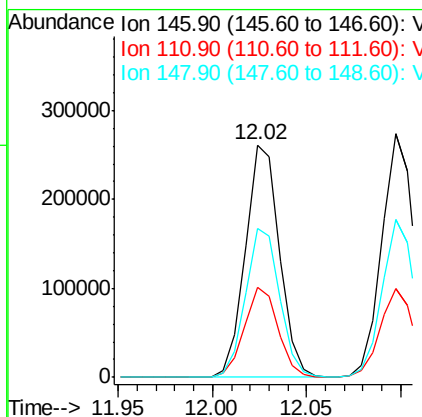
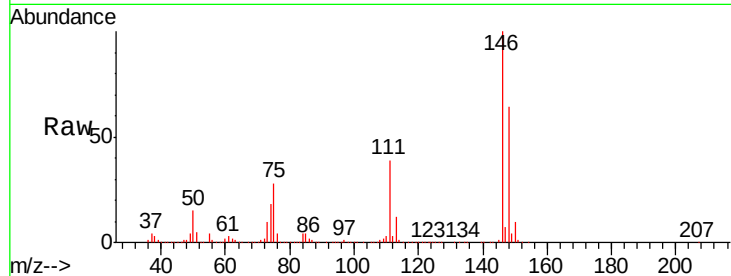
#87
 1,3-Dichlorobenzene
 Concen: 48.90 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.4	32.1	96.5

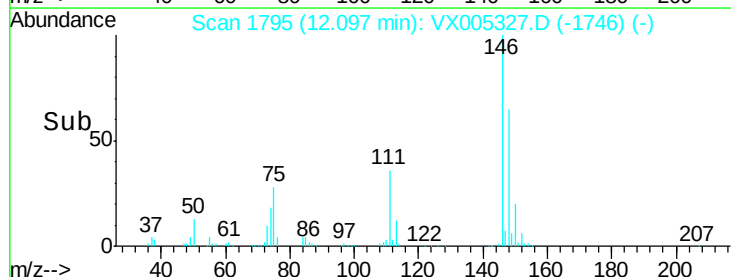
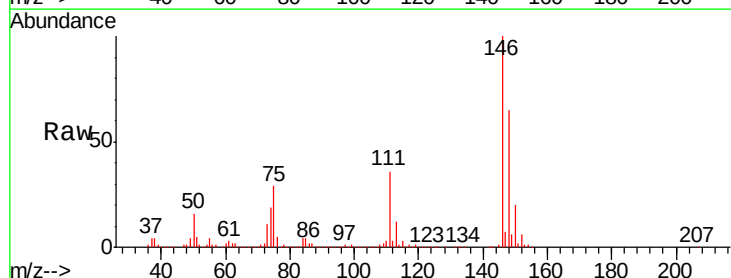
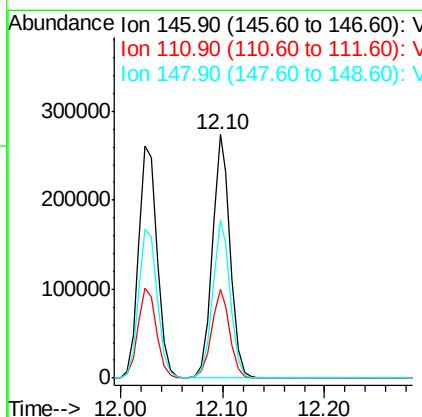
Manual Integrations
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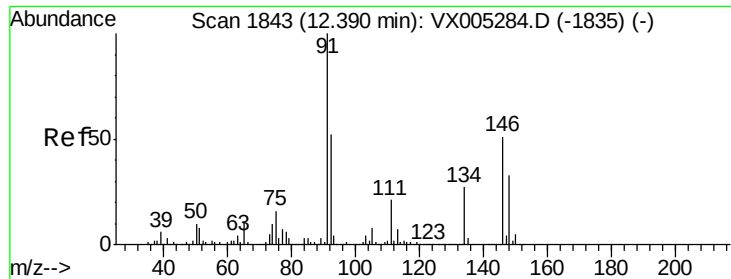
MMDadoda
 10/17/2018 9:06:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.78 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.4	32.0	96.0





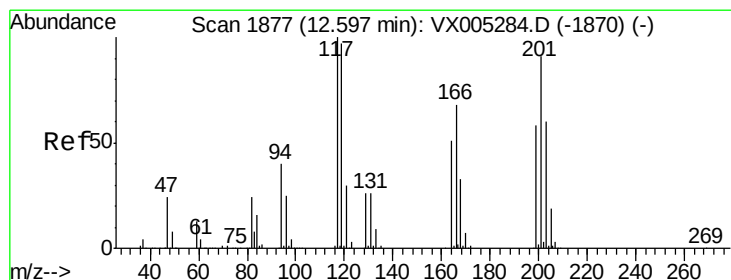
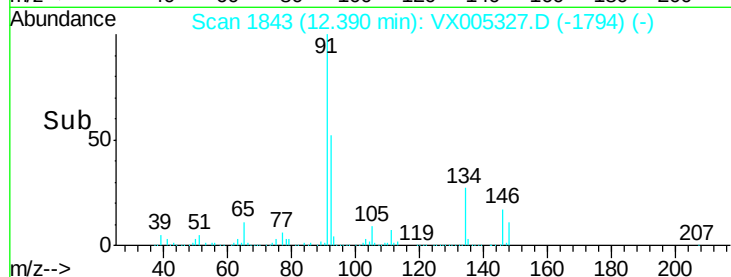
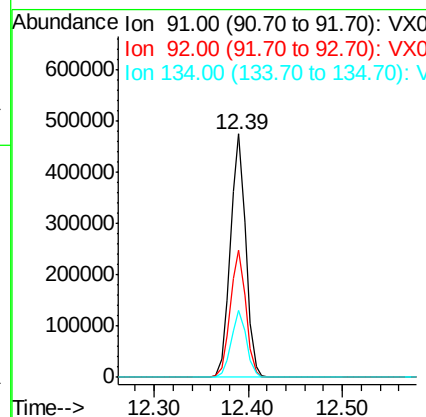
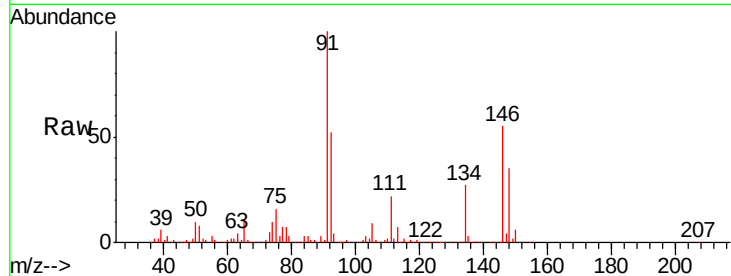
#89
n-Butylbenzene
Concen: 50.63 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.9
134	26.9	13.6	40.7

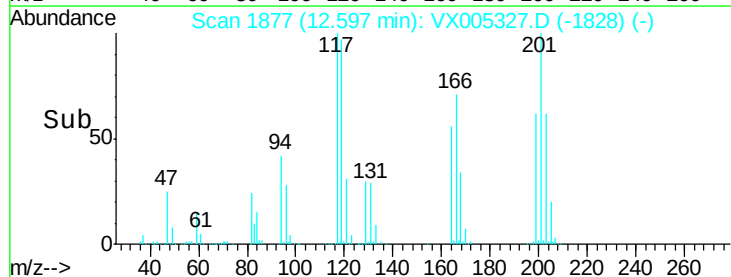
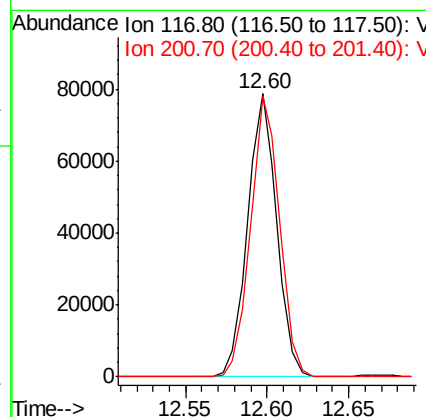
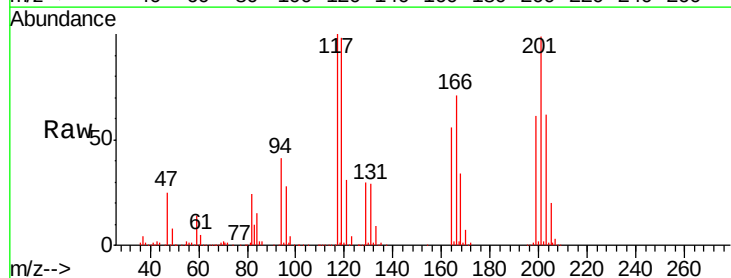
Manual Integrations
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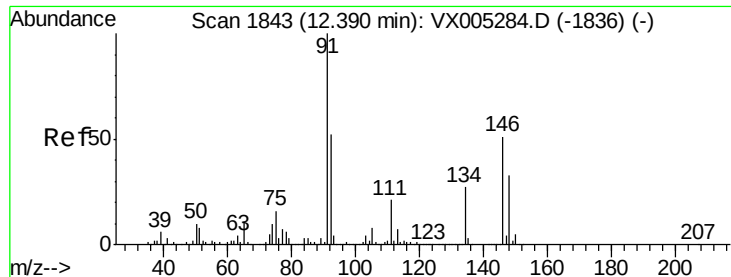
MMDadoda
10/17/2018 9:06:35 AM



#90
Hexachloroethane
Concen: 48.51 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.1	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 49.12 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Instrument :

MSVOA_X

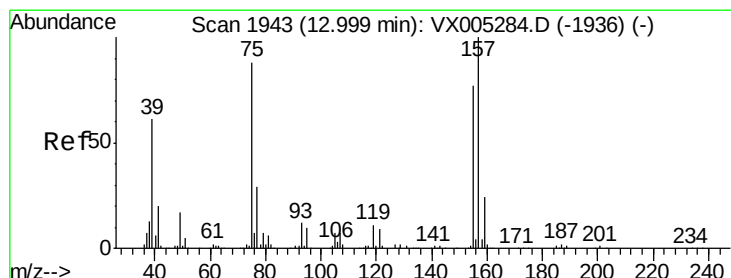
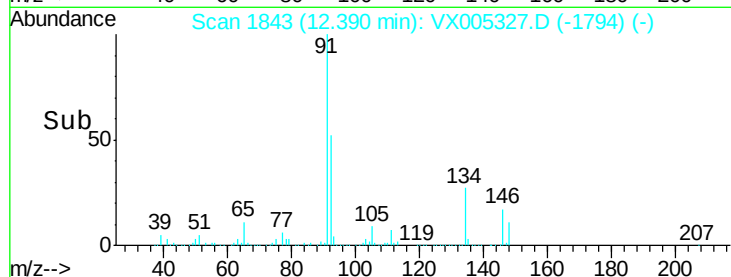
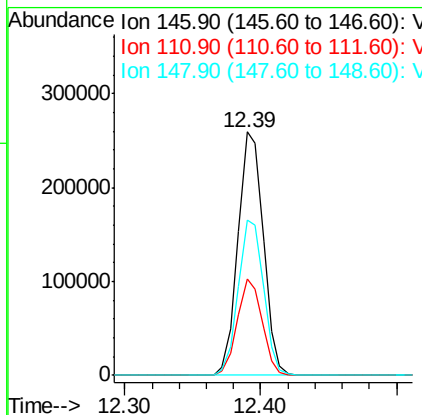
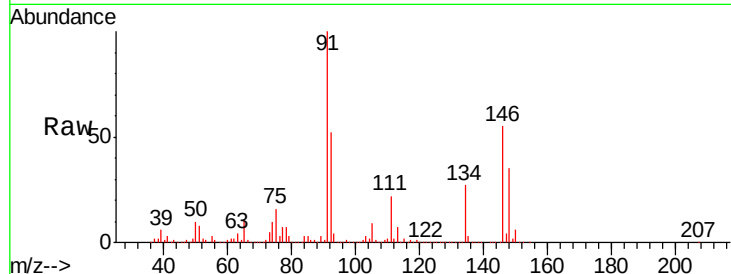
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	337370
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.1
148	63.9	32.8	98.3

Manual Integrations
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10/17/2018 9:06:35 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.89 ug/l

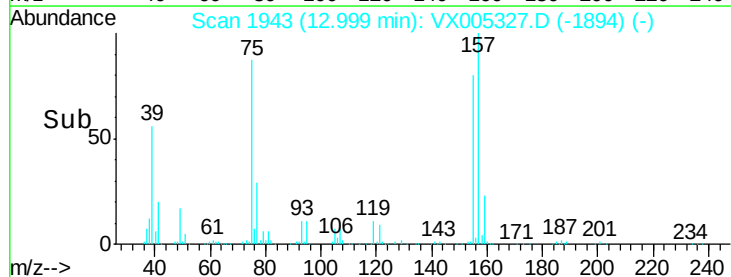
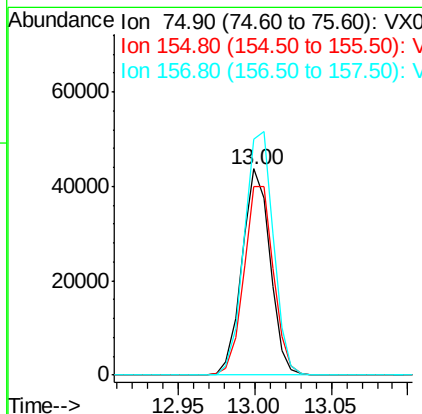
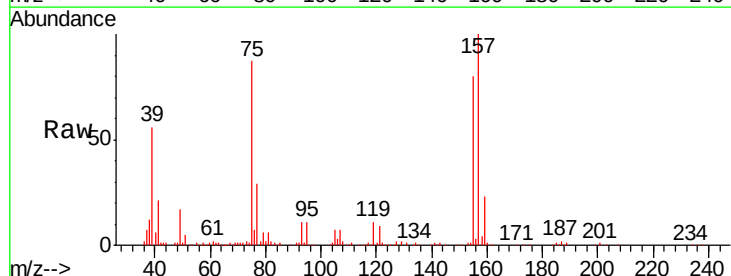
RT: 13.00 min Scan# 1943

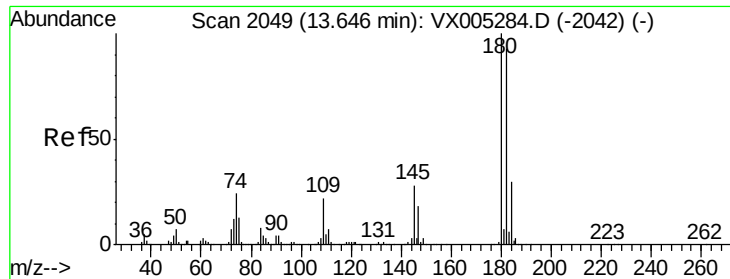
Delta R.T. 0.00 min

Lab File: VX005327.D

Acq: 13 Oct 2018 07:10

Tgt Ion:	75	Resp:	55508
Ion Ratio	Lower	Upper	
75	100		
155	96.2	48.0	144.2
157	123.2	61.4	184.1





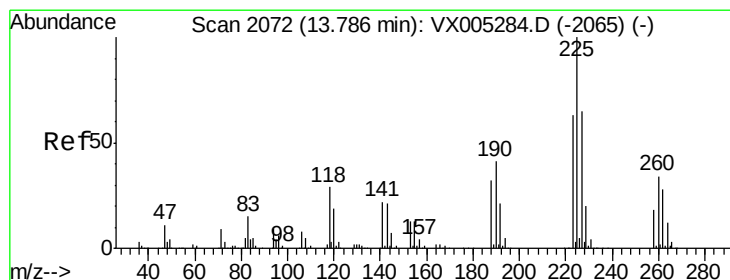
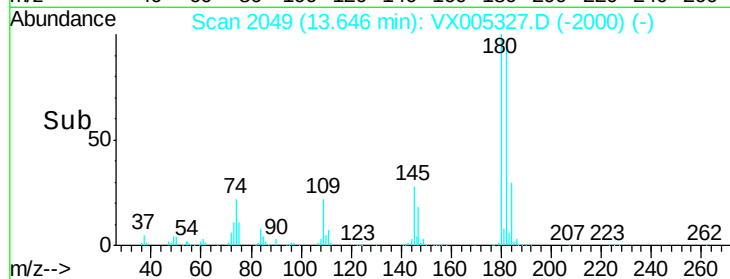
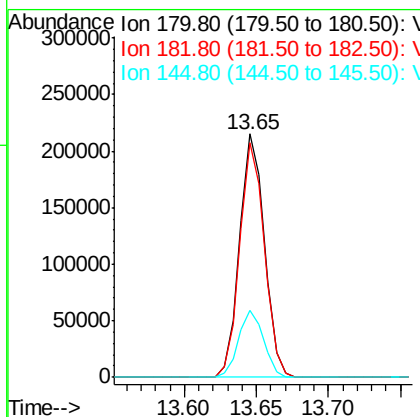
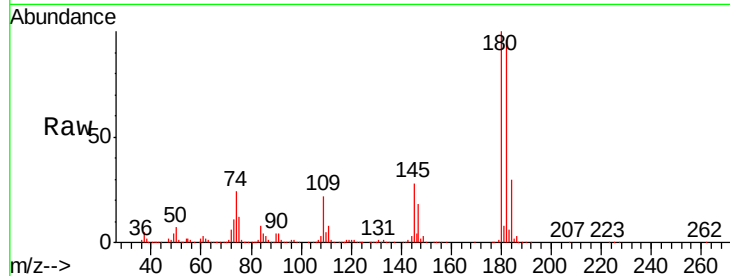
#93
 1,2,4-Trichlorobenzene
 Concen: 51.12 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	257584		
182	96.0	48.4	145.0	
145	27.9	14.3	42.9	

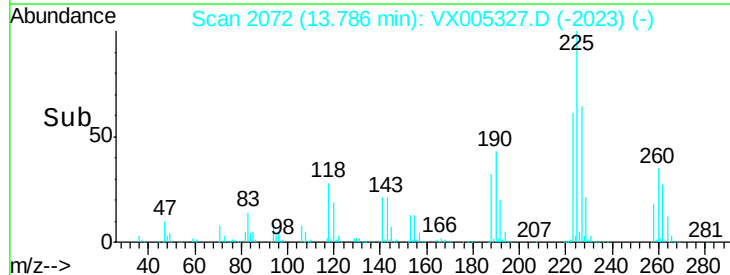
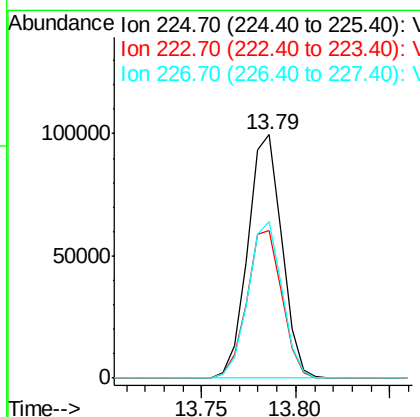
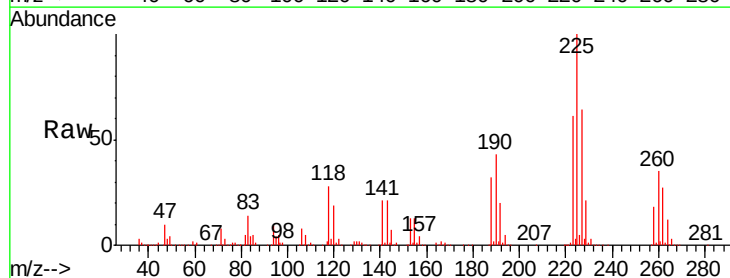
Manual Integrations
 APPROVED

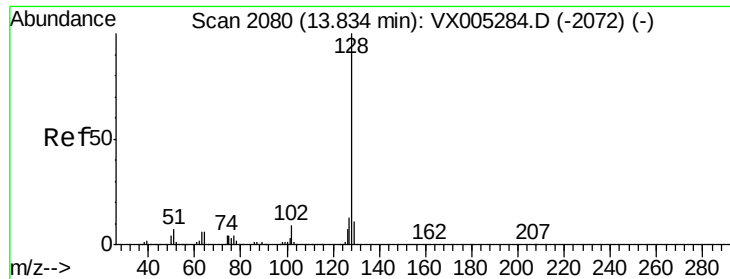
MMDadoda
 10/17/2018 9:06:35 AM



#94
 Hexachlorobutadiene
 Concen: 46.93 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005327.D
 Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124892		
223	62.2	30.1	90.5	
227	63.7	30.8	92.4	





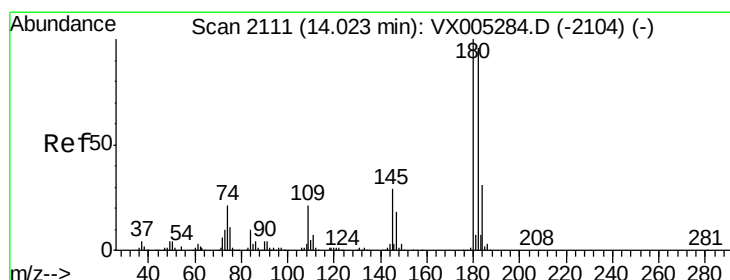
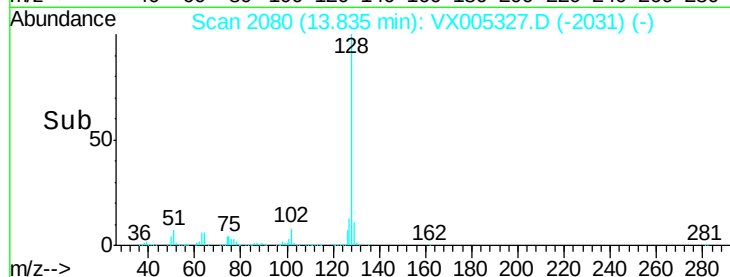
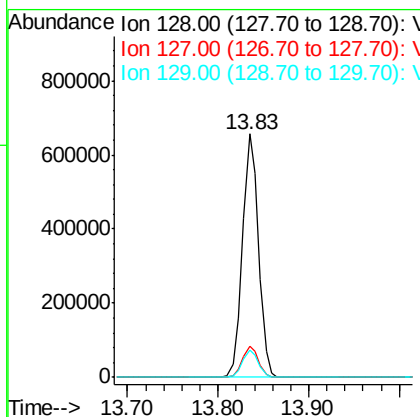
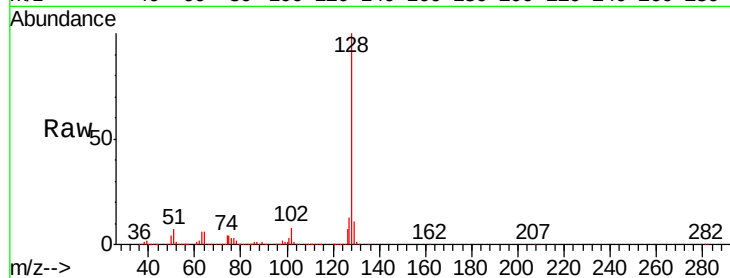
#95
Naphthalene
Concen: 54.76 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	800164		
127	12.9	10.2	15.2	
129	11.0	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:06:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.18 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005327.D
Acq: 13 Oct 2018 07:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	263844		
182	95.2	48.5	145.6	
145	29.6	14.9	44.9	

