

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001329.D
 Acq On : 02 May 2018 20:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:20 PM

Quant Time: May 03 05:49:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	222030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	216915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	150447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	110319	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	5.51	113	95278	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.72	98	351062	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.15	95	132467	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	92125	48.95	ug/l	97
3) Chloromethane	1.32	50	88427	47.86	ug/l	99
4) Vinyl Chloride	1.40	62	95437	49.07	ug/l	100
5) Bromomethane	1.64	94	68833	47.38	ug/l	99
6) Chloroethane	1.71	64	63872	51.95	ug/l	100
7) Trichlorofluoromethane	1.92	101	168988	51.48	ug/l	100
8) Diethyl Ether	2.19	74	60408	53.59	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	93152	49.21	ug/l	99
10) Methyl Iodide	2.51	142	138332	65.58	ug/l	100
11) Tert butyl alcohol	3.09	59	131713	325.05	ug/l	99
12) 1,1-Dichloroethene	2.37	96	84838	49.71	ug/l	98
13) Acrolein	2.30	56	50861	218.00	ug/l	99
14) Allyl chloride	2.73	41	154552	51.76	ug/l	99
15) Acrylonitrile	3.16	53	276703	294.63	ug/l	99
16) Acetone	2.45	43	268208	266.78	ug/l	99
17) Carbon Disulfide	2.57	76	200300	45.05	ug/l	99
18) Methyl Acetate	2.79	43	152095	64.06	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	306875	52.79	ug/l	99
20) Methylene Chloride	2.86	84	97329	53.78	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	90392	48.66	ug/l	98
22) Diisopropyl ether	3.89	45	311739	54.21	ug/l	98
23) Vinyl Acetate	3.84	43	1354959	278.04	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171581	53.56	ug/l	99
25) 2-Butanone	4.73	43	364271	267.98	ug/l	99
26) 2,2-Dichloropropane	4.59	77	96063	36.85	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	95190	46.62	ug/l	99
28) Bromochloromethane	5.03	49	76645	53.22	ug/l	98
29) Tetrahydrofuran	5.18	42	233042	278.76	ug/l	99
30) Chloroform	5.23	83	166112	49.06	ug/l	99
31) Cyclohexane	5.57	56	127698	44.14	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	144037	48.67	ug/l	99
36) 1,1-Dichloropropene	5.80	75	116495	45.46	ug/l	99
37) Ethyl Acetate	4.88	43	139958	54.09	ug/l	100
38) Carbon Tetrachloride	5.79	117	130961	48.78	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	135196	44.61	ug/l	99
40) Benzene	6.15	78	358467	48.63	ug/l	97
41) Methacrylonitrile	5.08	41	77782	51.61	ug/l	99
42) 1,2-Dichloroethane	6.21	62	137042	48.01	ug/l	99
43) Isopropyl Acetate	6.48	43	221067	52.77	ug/l	99
44) Trichloroethene	7.22	130	106757	47.31	ug/l	95
45) 1,2-Dichloropropane	7.52	63	92638	48.94	ug/l	96
46) Dibromomethane	7.67	93	65608	49.44	ug/l	100
47) Bromodichloromethane	7.91	83	123318	51.98	ug/l	99
48) Methyl methacrylate	7.79	41	117675	52.84	ug/l	99
49) 1,4-Dioxane	7.77	88	52543	1250.29	ug/l #	93
51) 4-Methyl-2-Pentanone	8.66	43	772171	285.91	ug/l	98
52) Toluene	8.79	92	237956	49.38	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	138482	49.08	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	130371	50.22	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	100641	51.70	ug/l	97
56) Ethyl methacrylate	9.19	69	147449	54.67	ug/l	99
57) 1,3-Dichloropropane	9.38	76	158955	50.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	355125	272.92	ug/l	99
59) 2-Hexanone	9.51	43	610640	289.29	ug/l	100
60) Dibromochloromethane	9.59	129	109237	53.80	ug/l	99
61) 1,2-Dibromoethane	9.68	107	107718	52.21	ug/l	100
64) Tetrachloroethene	9.34	164	125835	48.97	ug/l	98
65) Chlorobenzene	10.15	112	279997	47.46	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	105515	51.53	ug/l	99
67) Ethyl Benzene	10.26	91	463030	47.63	ug/l	99
68) m/p-Xylenes	10.37	106	369960	96.72	ug/l	99
69) o-Xylene	10.71	106	180682	48.70	ug/l	99
70) Styrene	10.72	104	300049	49.45	ug/l	99
71) Bromoform	10.87	173	91546	46.57	ug/l	100
73) Isopropylbenzene	11.02	105	485869	48.27	ug/l	100
74) N-amyl acetate	6.48	43	221067	51.20	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	157298	52.16	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	144732m	52.02	ug/l	
77) Bromobenzene	11.26	156	142295	49.02	ug/l	98
78) n-propylbenzene	11.37	91	537628	48.07	ug/l	99
79) 2-Chlorotoluene	11.43	91	324974	48.15	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	419155	49.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	37133	43.99	ug/l	95
82) 4-Chlorotoluene	11.52	91	388150	47.81	ug/l	100
83) tert-Butylbenzene	11.77	119	415795	49.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	432465	49.93	ug/l	100
85) sec-Butylbenzene	11.95	105	494368	49.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	453659	49.04	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	253784	46.82	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	259558	46.45	ug/l	99
89) n-Butylbenzene	12.40	91	377448	46.75	ug/l	100
90) Hexachloroethane	12.60	117	69061	51.55	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	263126	48.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	36549	59.97	ug/l	97

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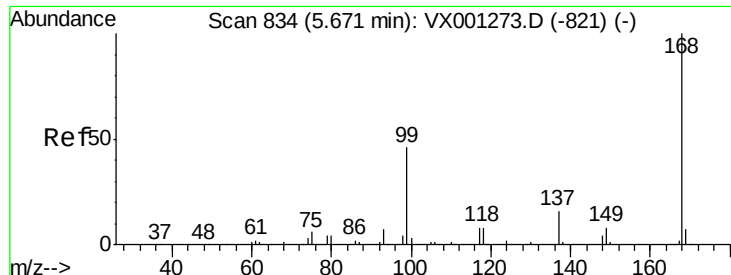
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	191874	44.22	ug/l	99
94) Hexachlorobutadiene	13.79	225	101983	44.92	ug/l	99
95) Naphthalene	13.84	128	574026	52.14	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	201712	47.35	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 170142

Ion Ratio Lower Upper

168 100

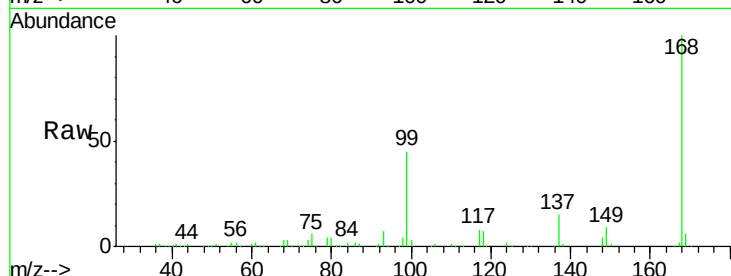
99 44.4 36.5 54.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

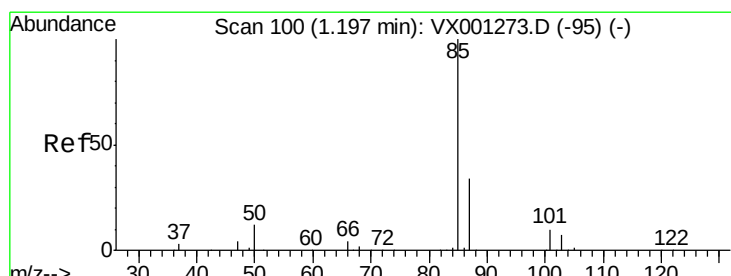
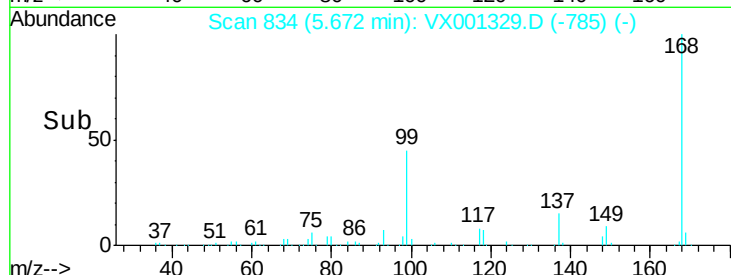
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.95 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001329.D

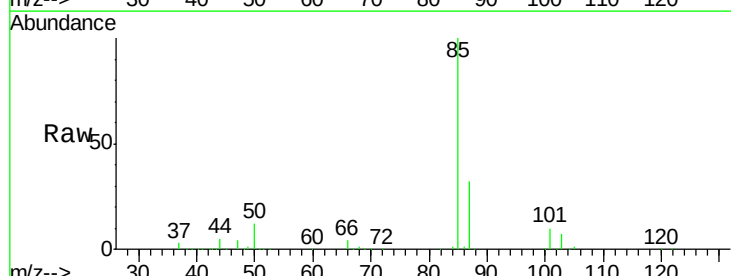
Acq: 02 May 2018 20:42

Tgt Ion: 85 Resp: 92125

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

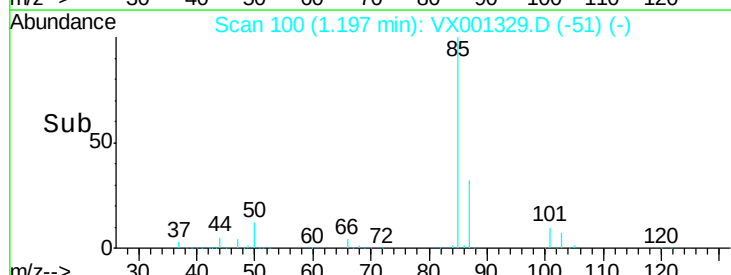
40000

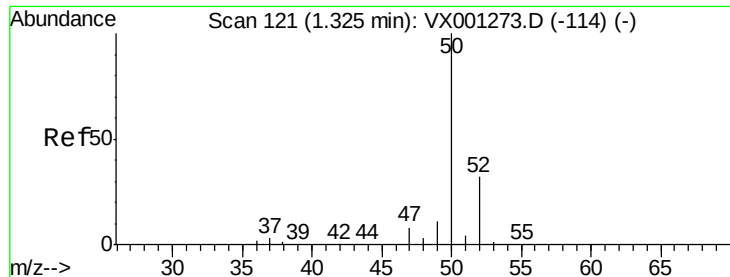
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.86 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 88427

Ion Ratio Lower Upper

50 100

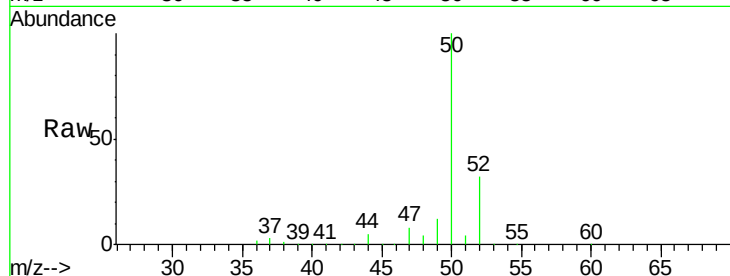
52 31.7 25.7 38.5

Manual Integrations

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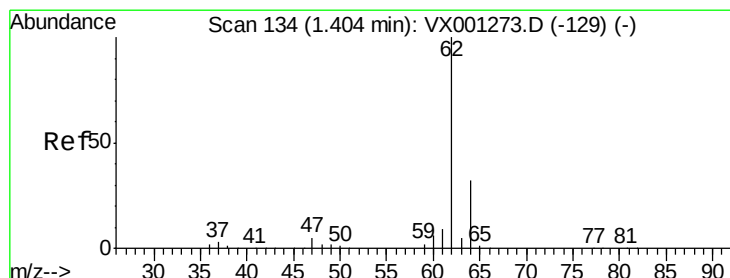
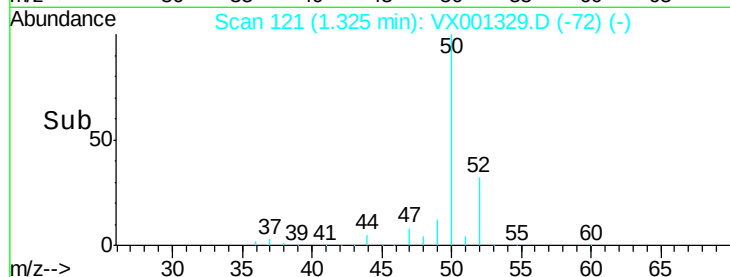
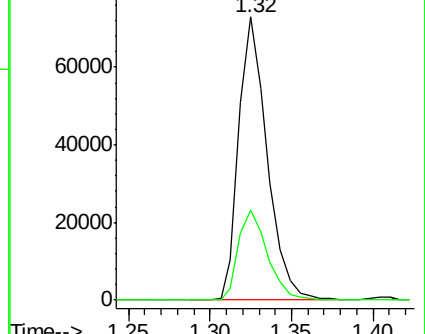
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001329.D

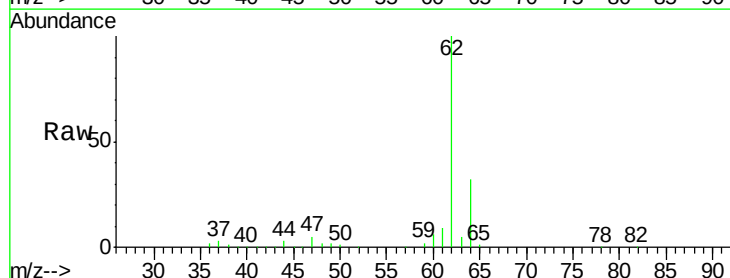
Acq: 02 May 2018 20:42

Tgt Ion: 62 Resp: 95437

Ion Ratio Lower Upper

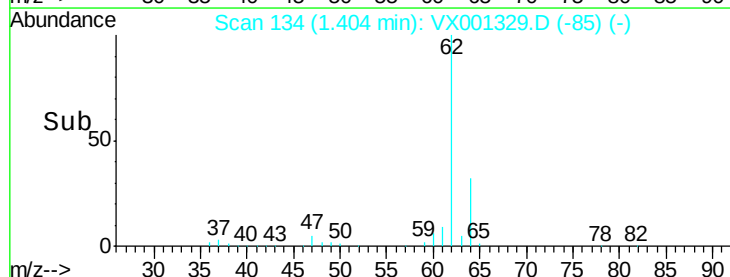
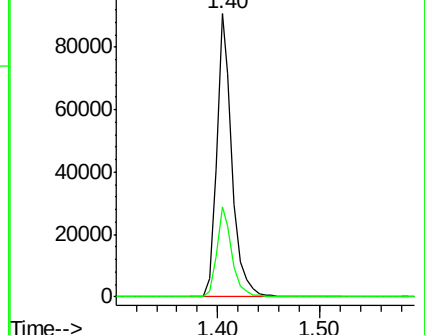
62 100

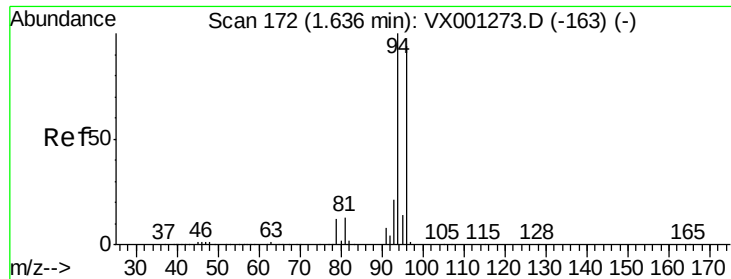
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.38 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 68833

Ion Ratio Lower Upper

94 100

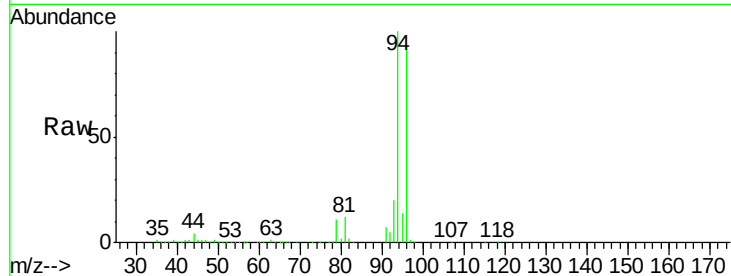
96 93.5 75.6 113.4

Manual Integrations

APPROVED

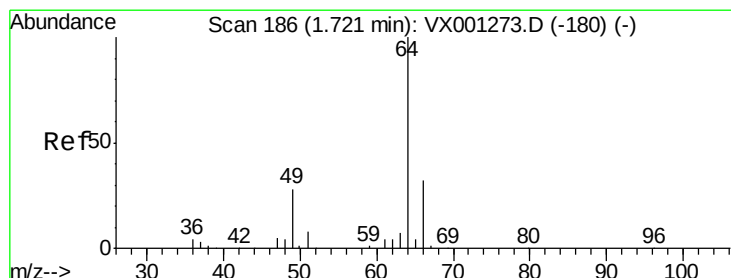
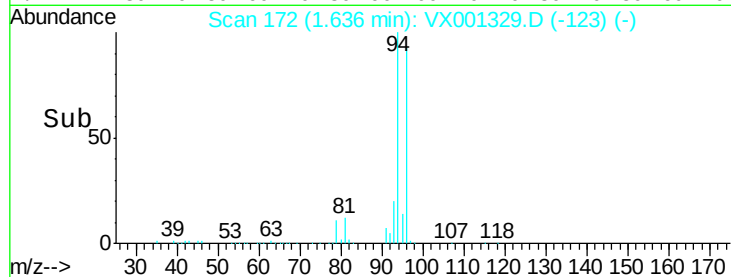
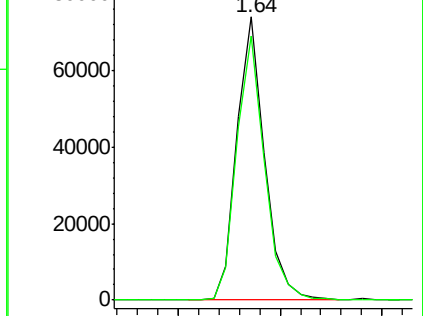
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.95 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001329.D

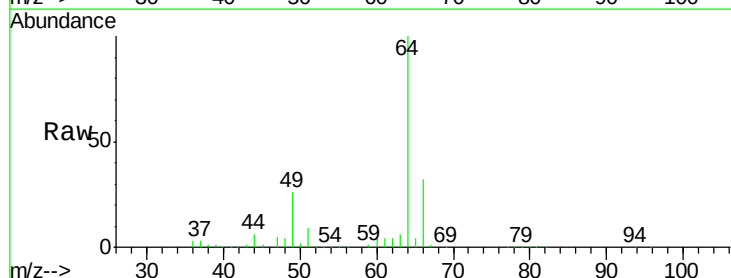
Acq: 02 May 2018 20:42

Tgt Ion: 64 Resp: 63872

Ion Ratio Lower Upper

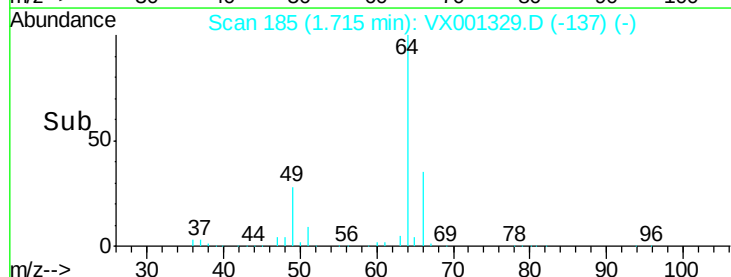
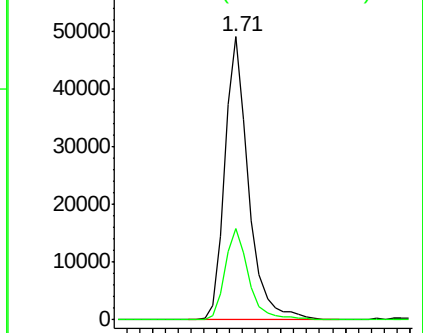
64 100

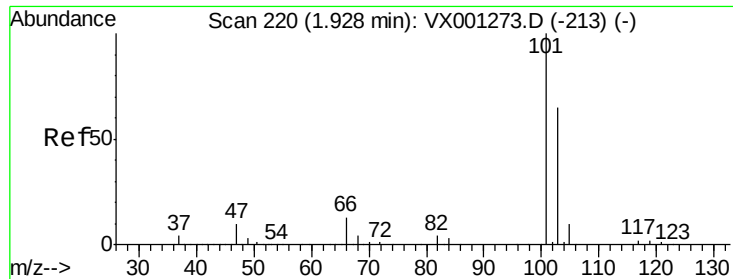
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 51.48 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 168988

Ion Ratio Lower Upper

101 100

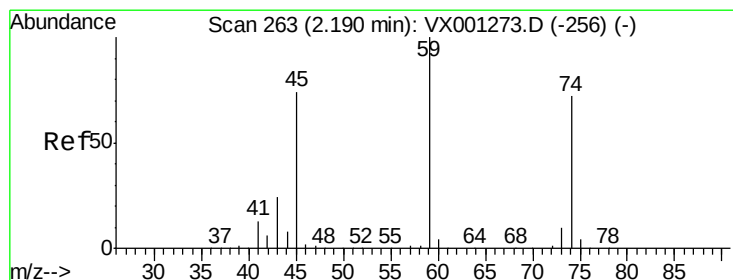
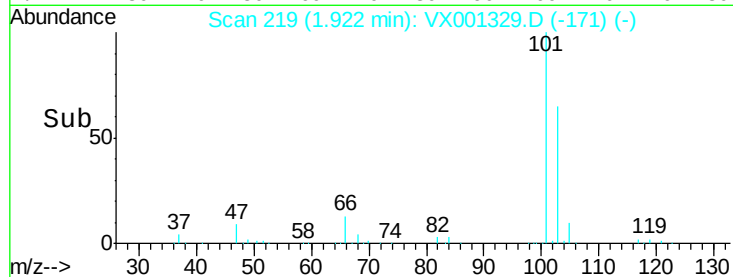
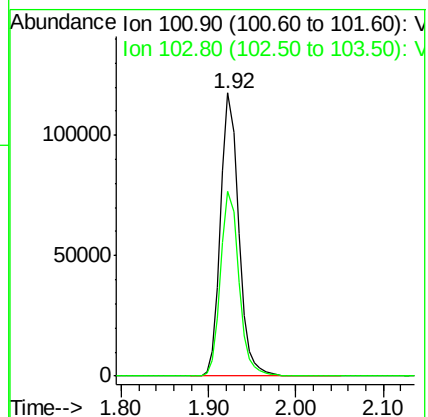
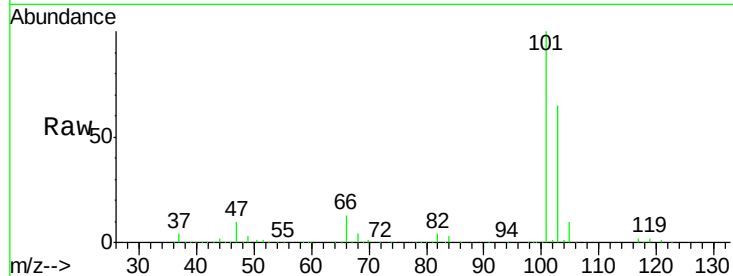
103 65.2 51.8 77.8

Manual Integrations

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#8

Diethyl Ether

Concen: 53.59 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001329.D

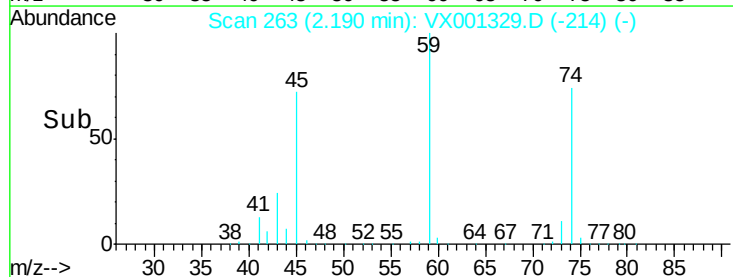
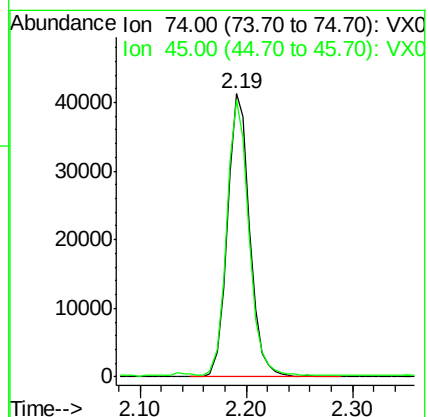
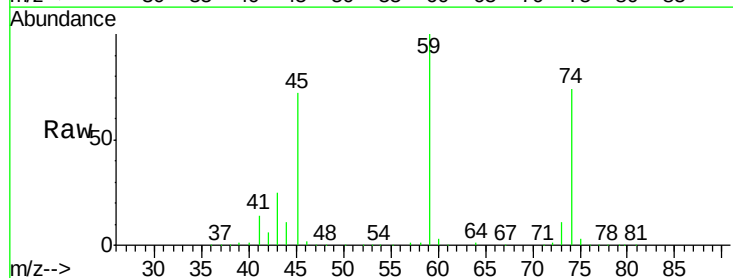
Acq: 02 May 2018 20:42

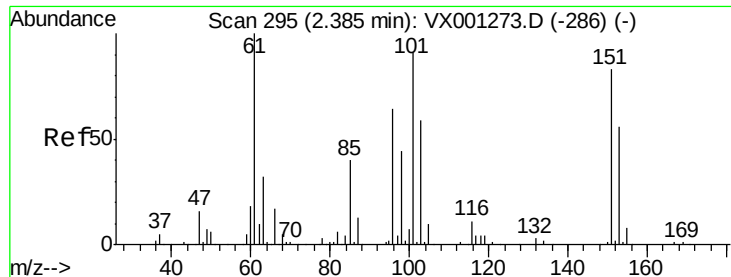
Tgt Ion: 74 Resp: 60408

Ion Ratio Lower Upper

74 100

45 96.6 49.3 147.9





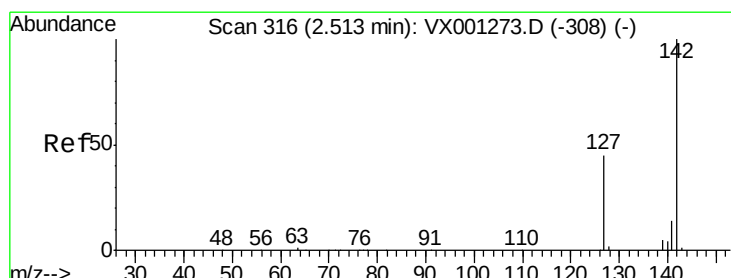
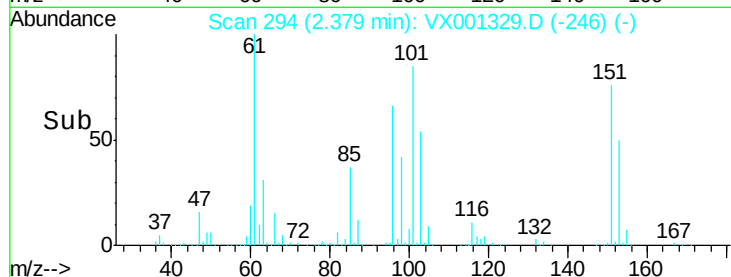
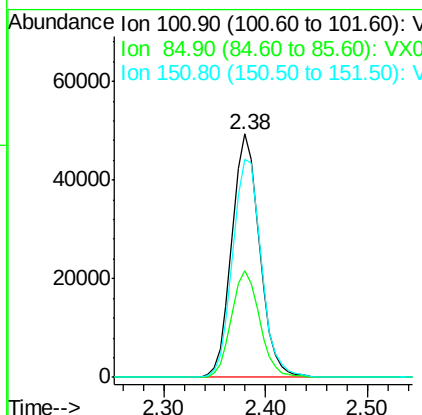
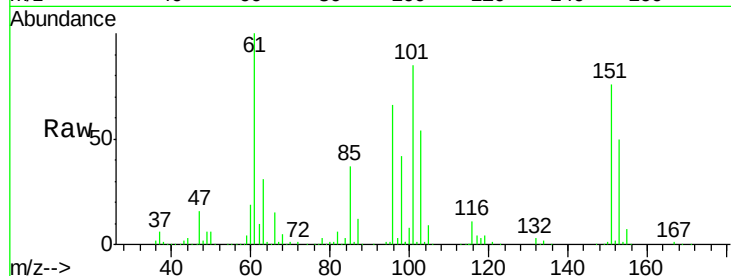
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.21 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.6	53.4
151	92.4	74.8	112.2

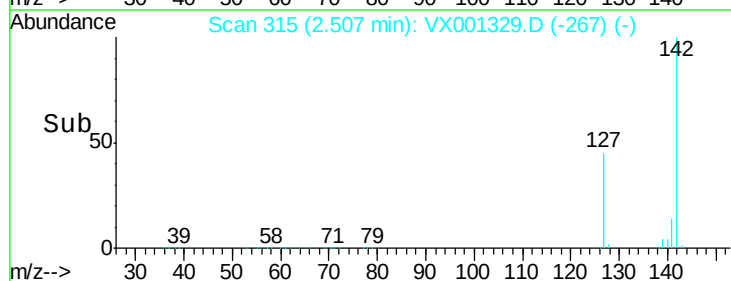
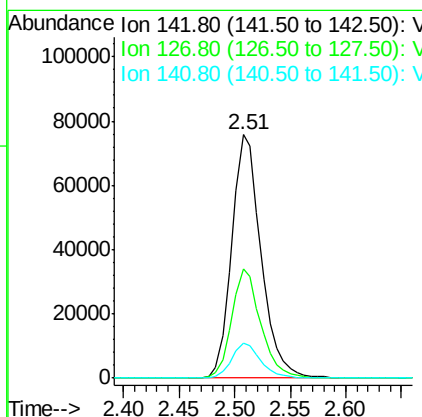
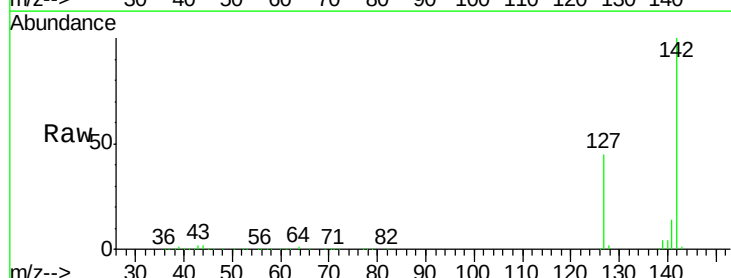
Manual Integrations
APPROVED

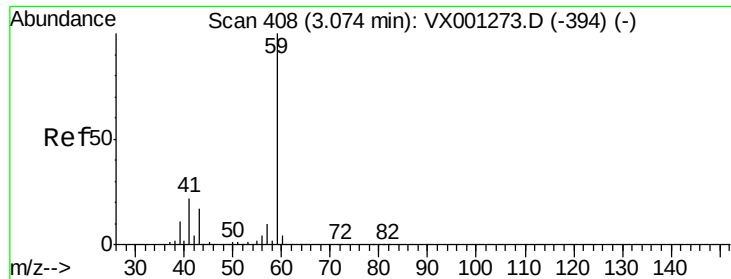
MMDadoda
5/3/2018 12:21:20 PM



#10
Methyl Iodide
Concen: 65.58 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.7	53.5
141	14.4	11.4	17.0





#11

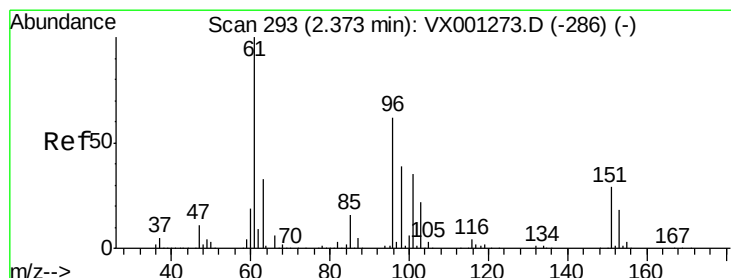
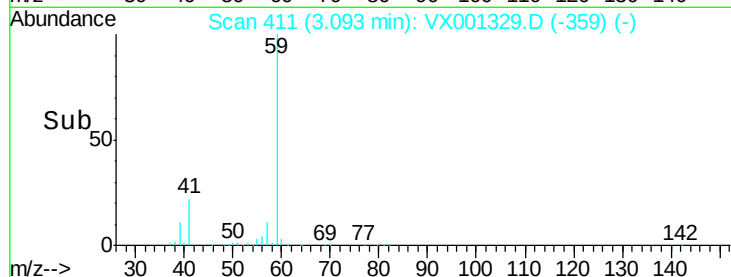
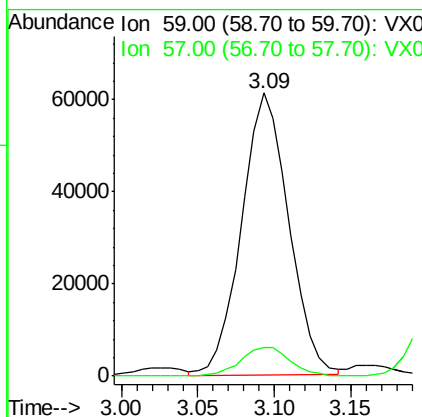
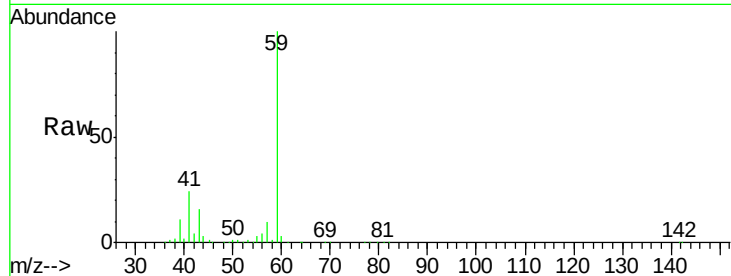
Tert butyl alcohol
Concen: 325.05 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	131713
Ion Ratio	100	Lower	Upper
57	11.1	8.6	12.8

Manual Integrations
APPROVED

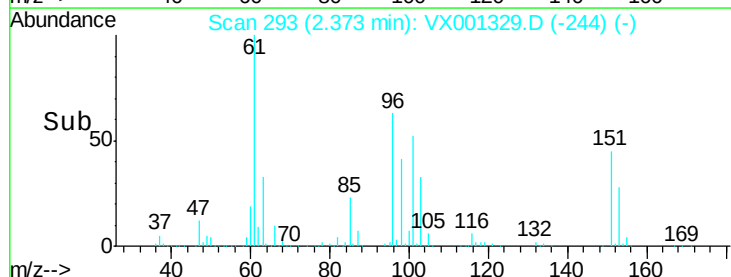
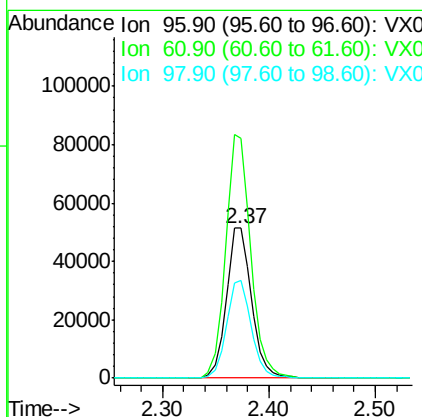
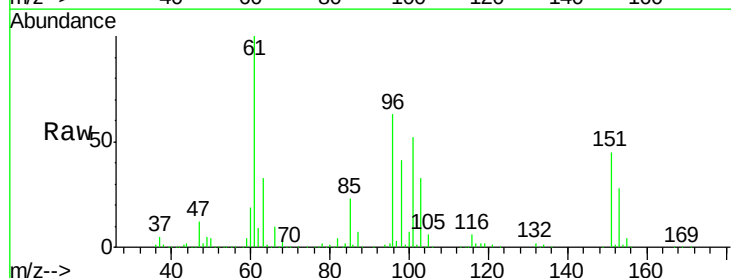
MMDadoda
5/3/2018 12:21:20 PM

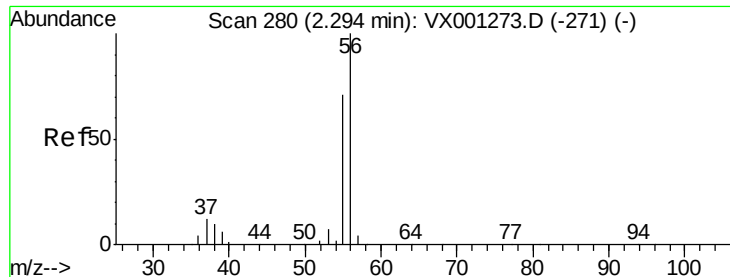


#12

1,1-Dichloroethene
Concen: 49.71 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	96	Resp	84838
Ion Ratio	100	Lower	Upper
61	159.9	130.1	195.1
98	65.6	50.3	75.5





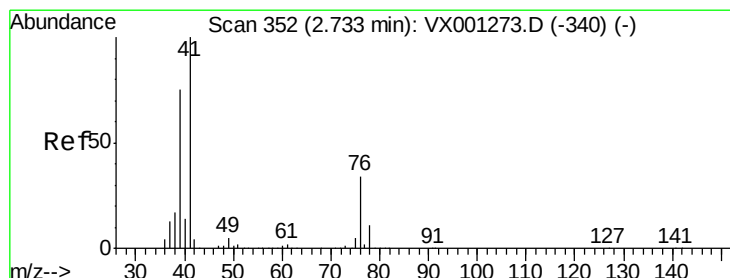
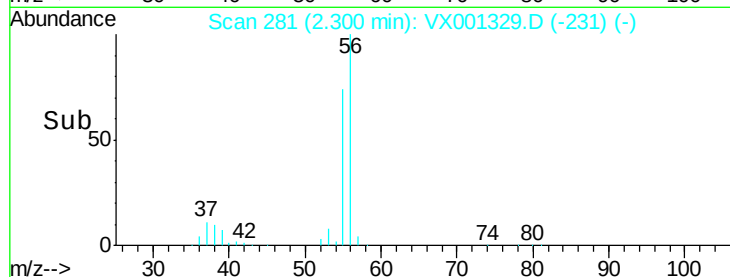
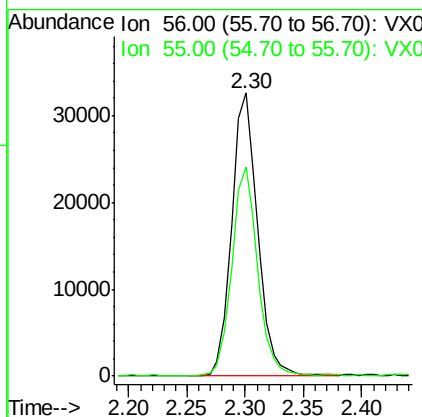
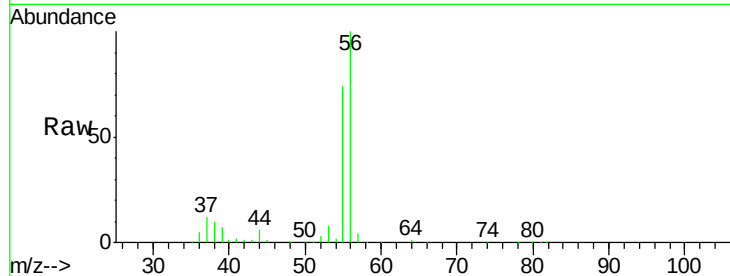
#13
Acrolein
Concen: 218.00 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.2	85.8

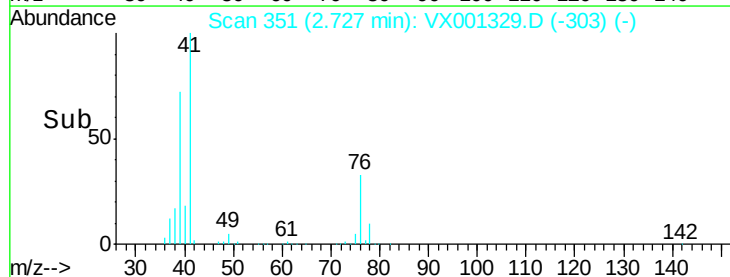
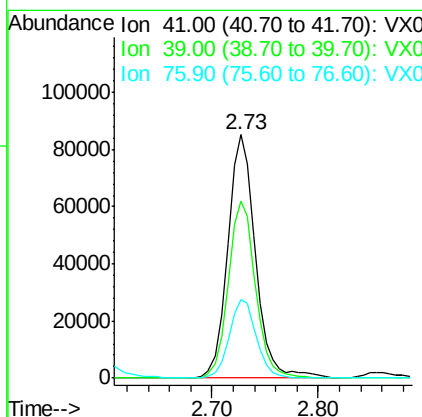
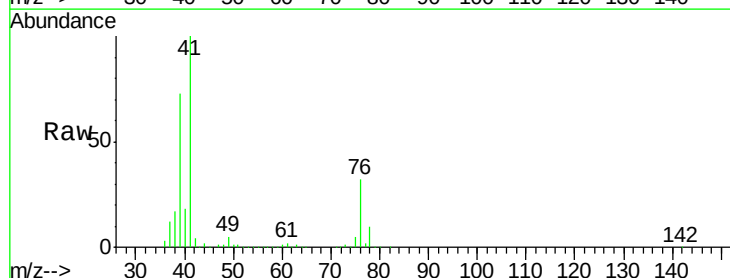
Manual Integrations
APPROVED

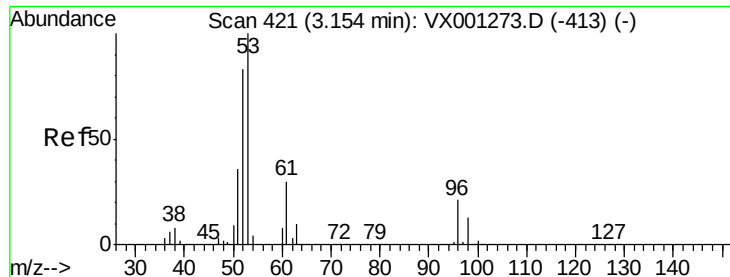
MMDadoda
5/3/2018 12:21:20 PM



#14
Allyl chloride
Concen: 51.76 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.4	58.1	87.1
76	32.1	25.1	37.7





#15

Acrylonitrile

Concen: 294.63 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

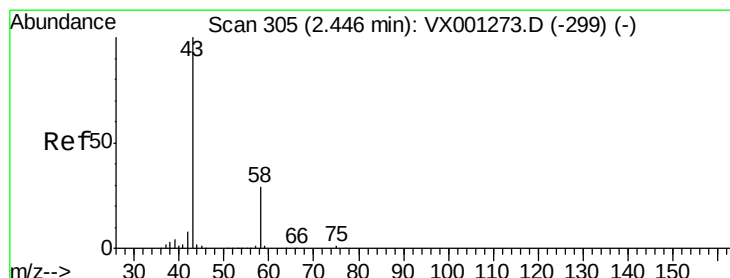
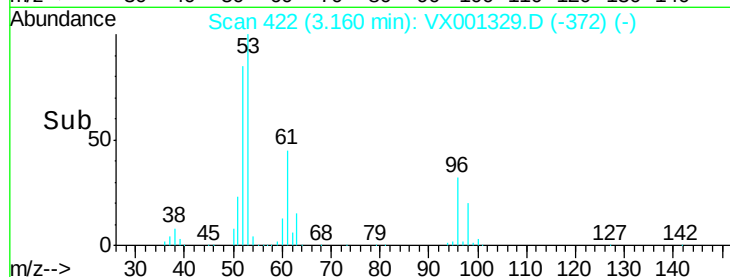
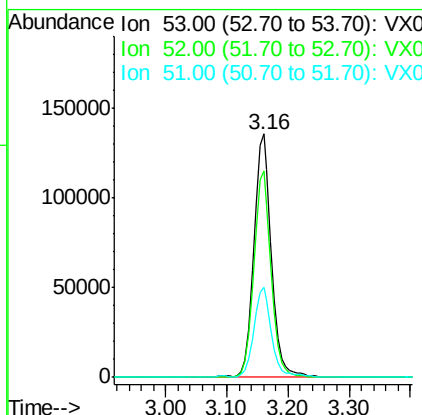
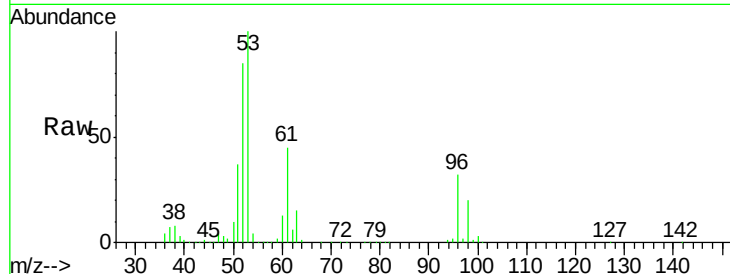
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	276703
Ion Ratio		Lower	Upper
53	100		
52	83.4	67.0	100.4
51	36.9	29.9	44.9

Manual Integrations
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MMDadoda
5/3/2018 12:21:20 PM



#16

Acetone

Concen: 266.78 ug/l

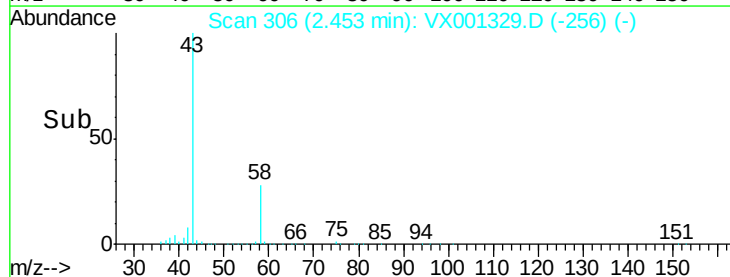
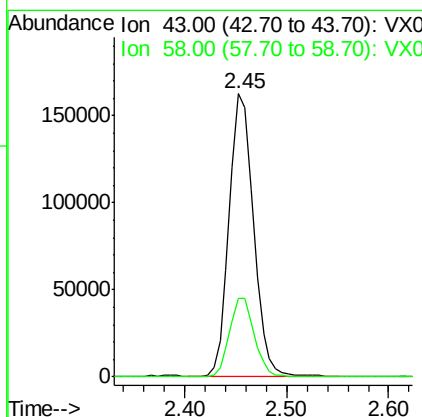
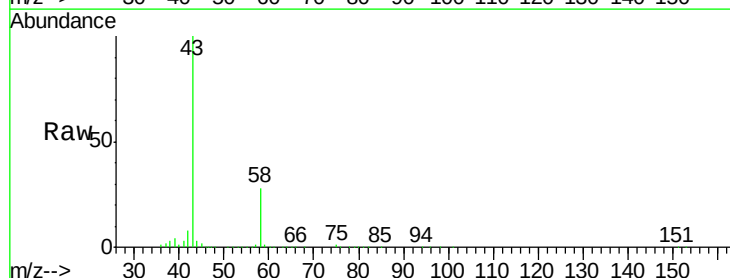
RT: 2.45 min Scan# 306

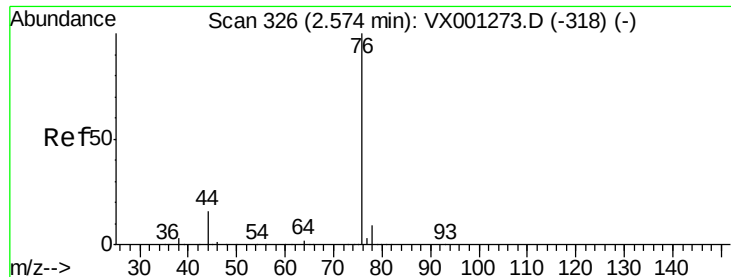
Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion:	43	Resp:	268208
Ion Ratio		Lower	Upper
43	100		
58	27.9	22.8	34.2





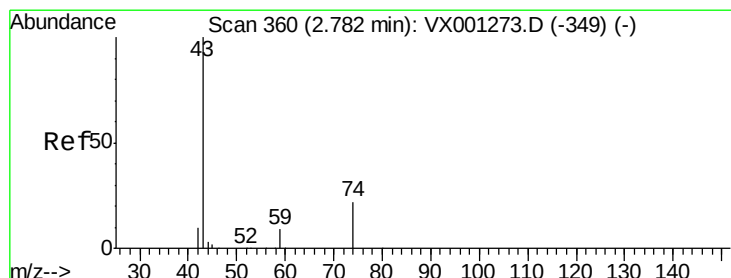
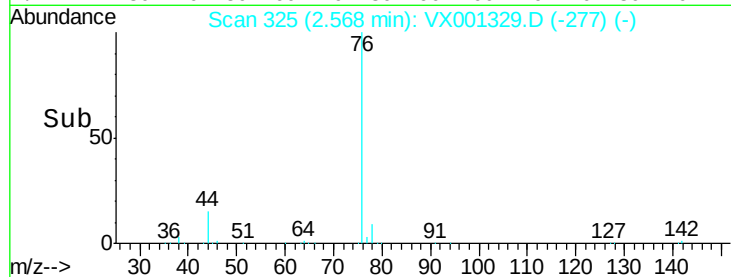
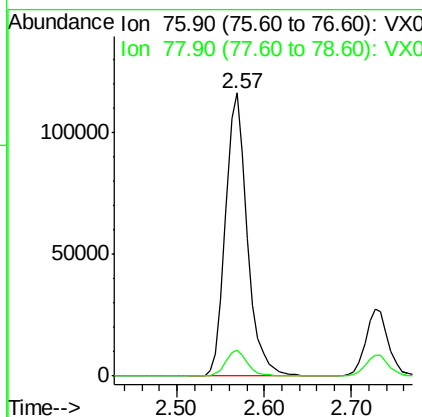
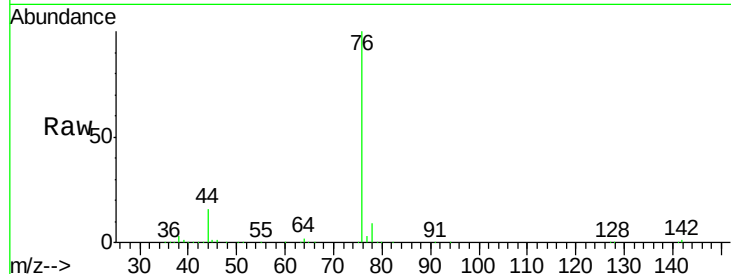
#17
Carbon Disulfide
Concen: 45.05 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

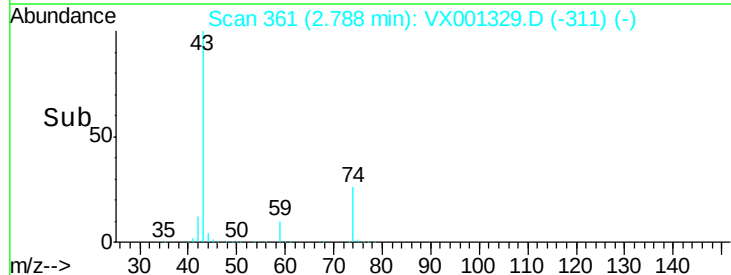
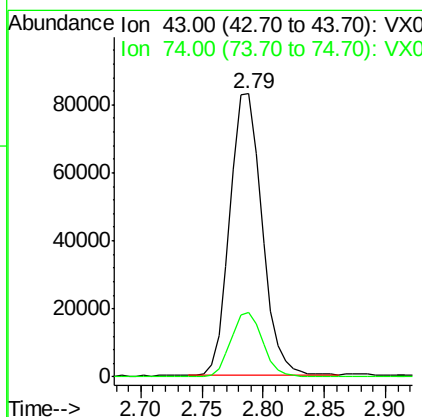
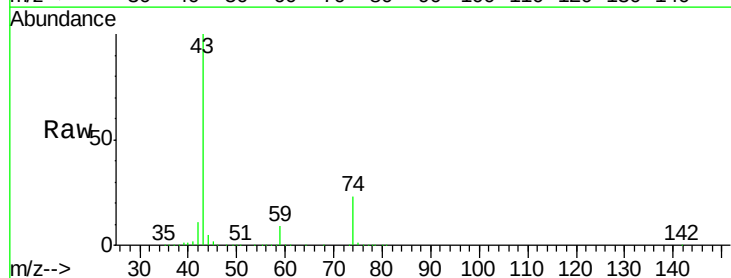
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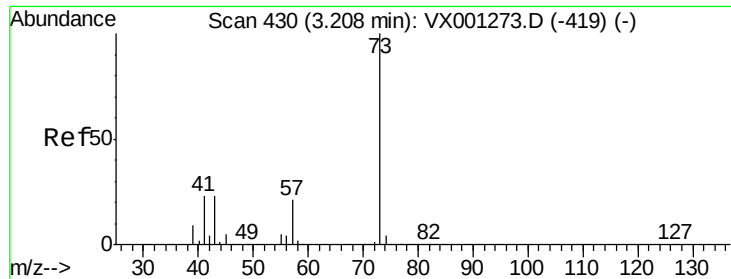
MMDadoda
5/3/2018 12:21:20 PM



#18
Methyl Acetate
Concen: 64.06 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.8	26.6





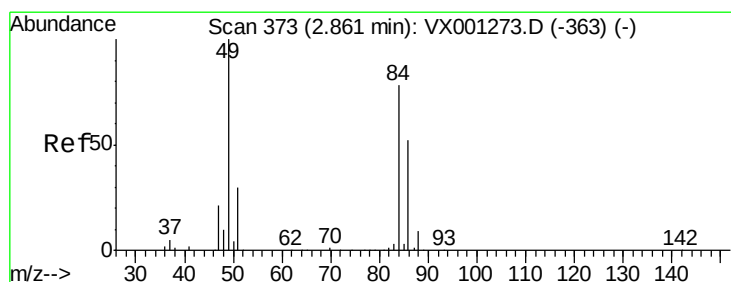
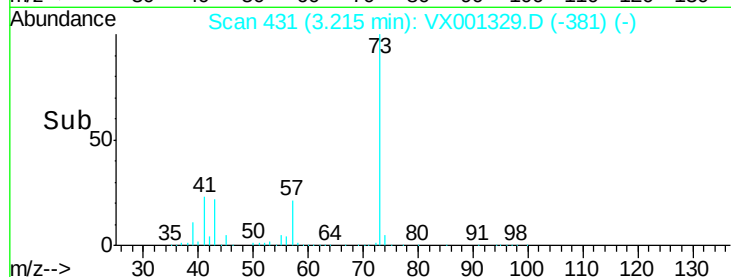
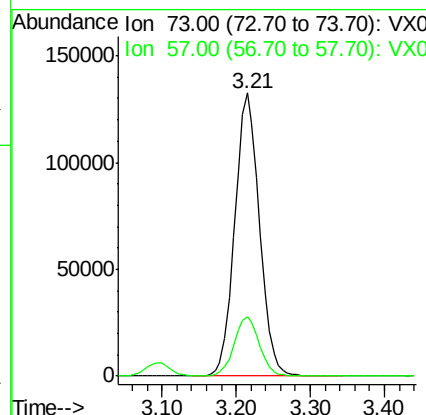
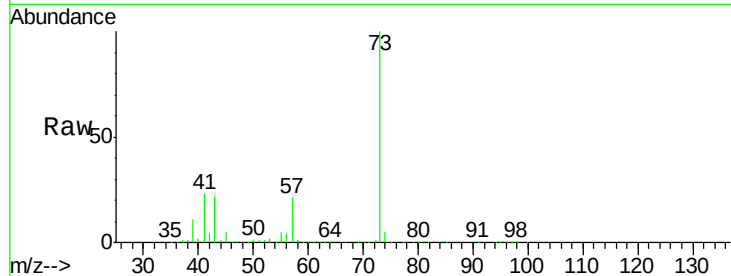
#19
Methyl tert-butyl Ether
Concen: 52.79 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.8	25.2

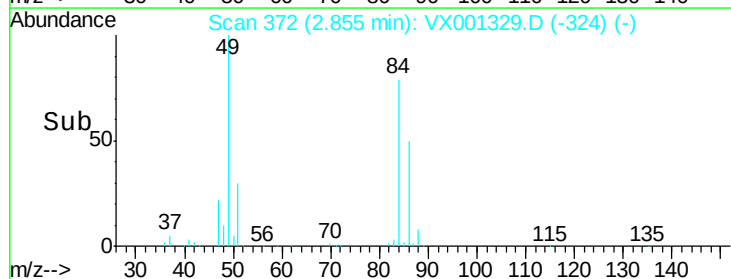
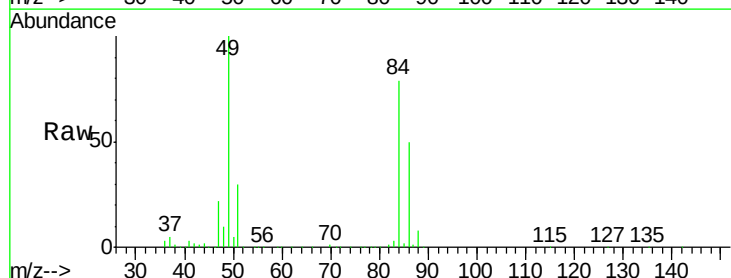
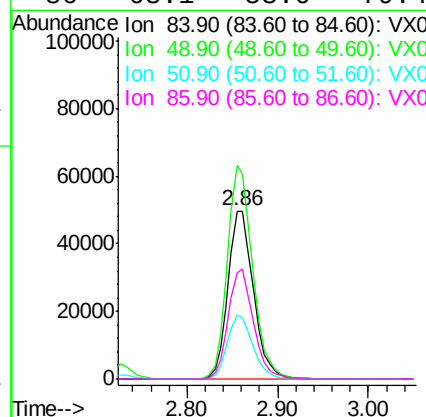
Manual Integrations
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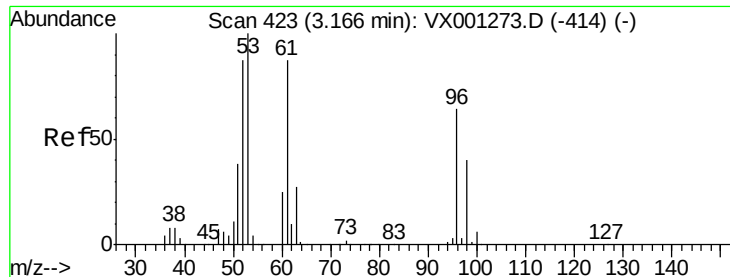
MMDadoda
5/3/2018 12:21:20 PM



#20
Methylene Chloride
Concen: 53.78 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.9	102.8	154.2
51	37.8	30.9	46.3
86	63.1	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 48.66 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 90392

Ion Ratio Lower Upper

96 100

61 134.4 108.6 162.8

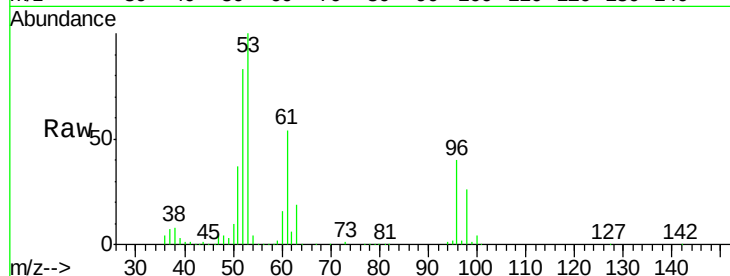
98 64.3 49.7 74.5

Manual Integrations

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MMDadoda

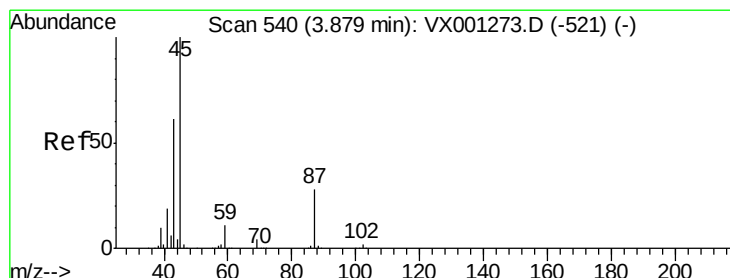
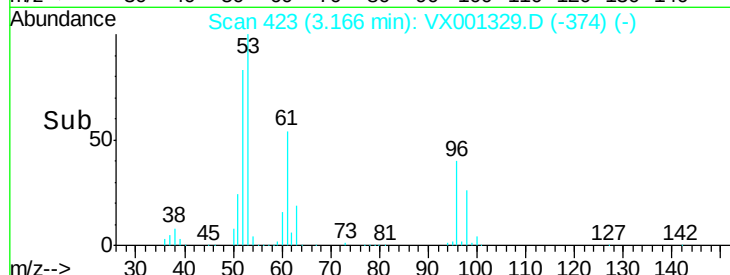
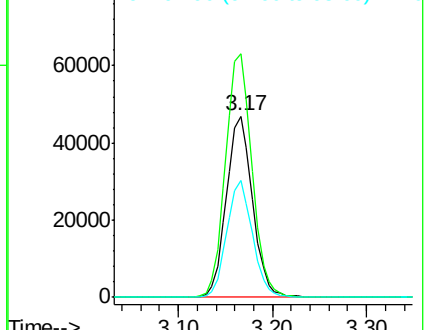
5/3/2018 12:21:20 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.21 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion: 45 Resp: 311739

Ion Ratio Lower Upper

45 100

43 59.0 48.7 73.1

87 28.7 22.2 33.4

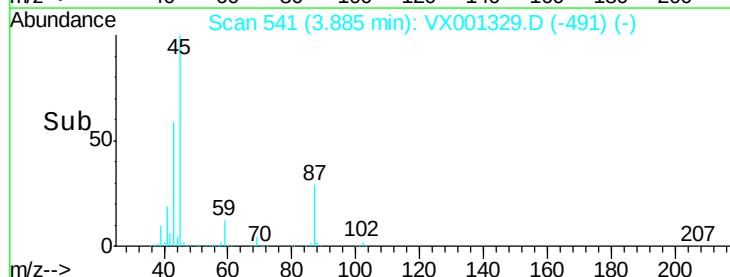
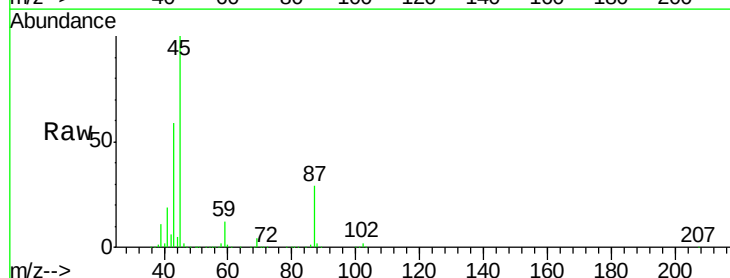
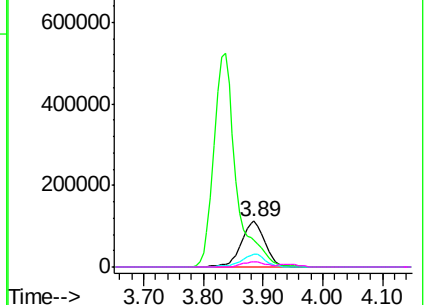
59 11.9 9.1 13.7

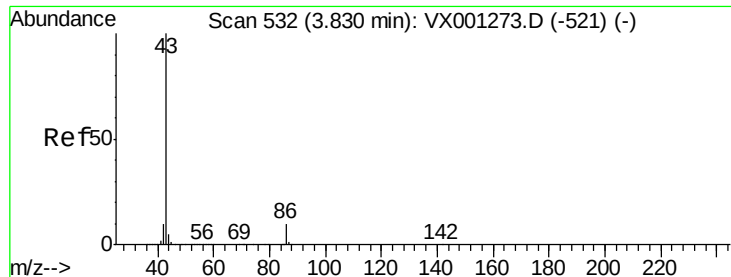
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 278.04 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1354959

Ion Ratio Lower Upper

43 100

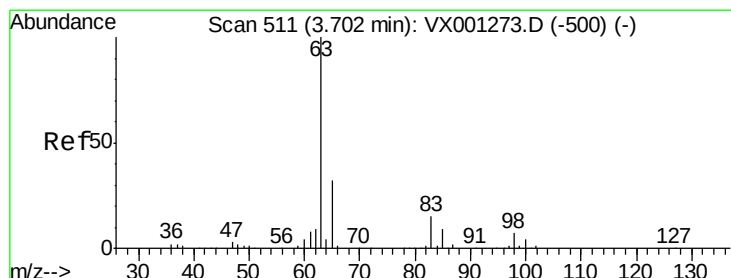
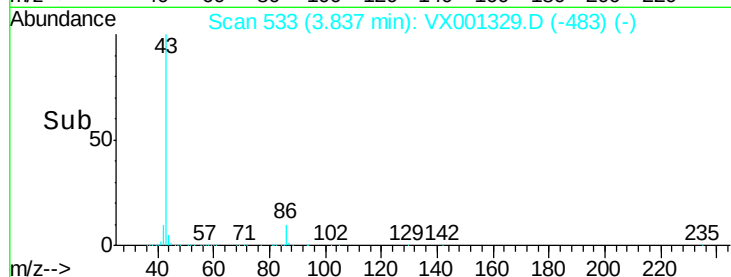
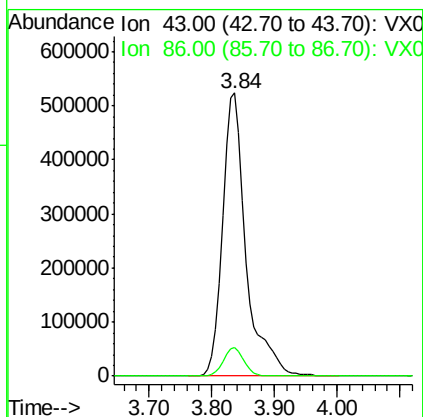
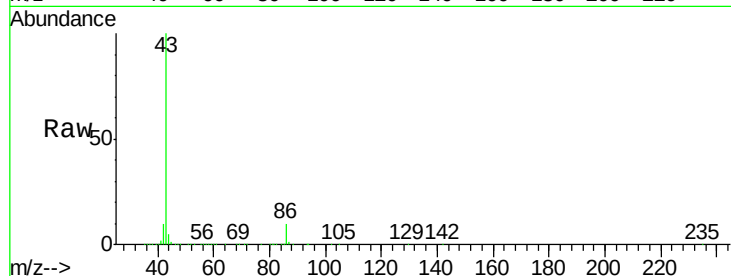
86 10.2 8.2 12.4

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 53.56 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

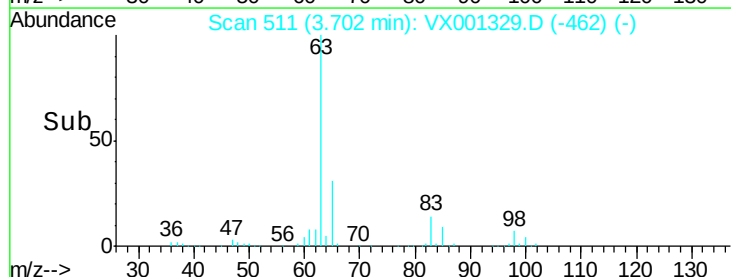
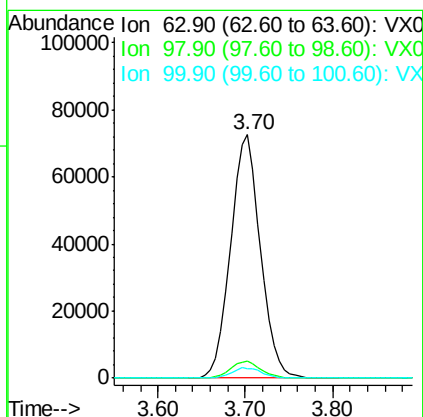
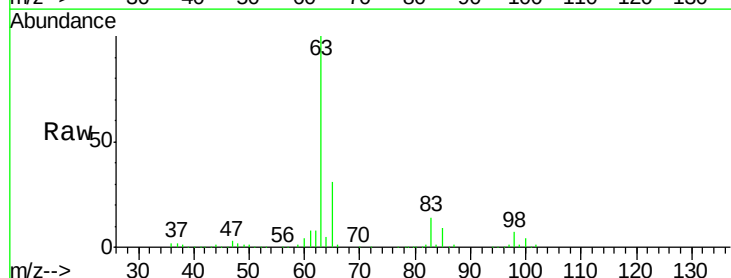
Tgt Ion: 63 Resp: 171581

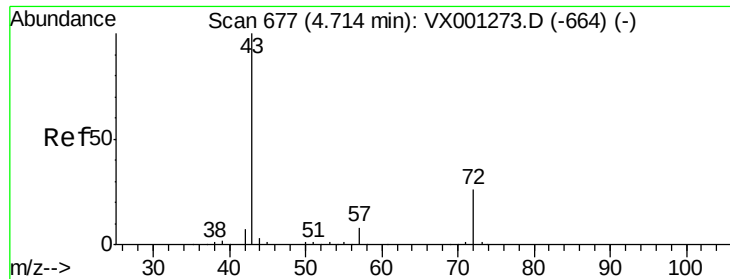
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 267.98 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 364271

Ion Ratio Lower Upper

43 100

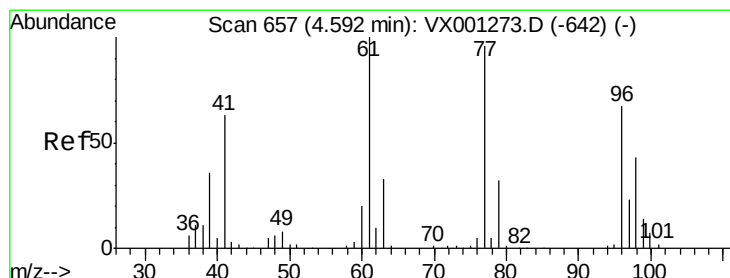
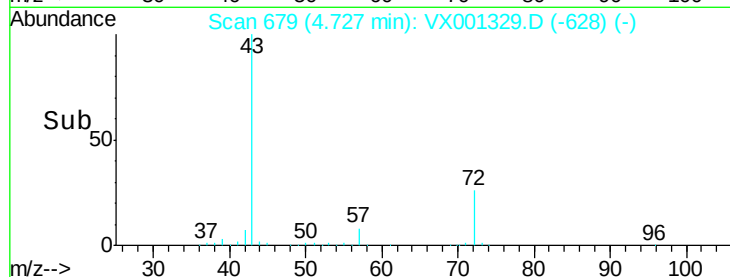
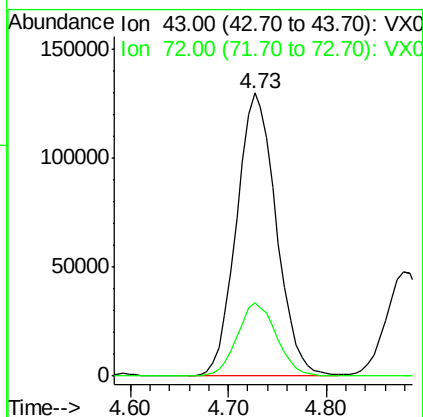
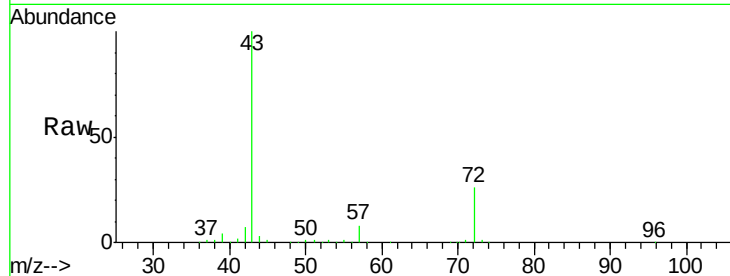
72 26.1 20.5 30.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 36.85 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001329.D

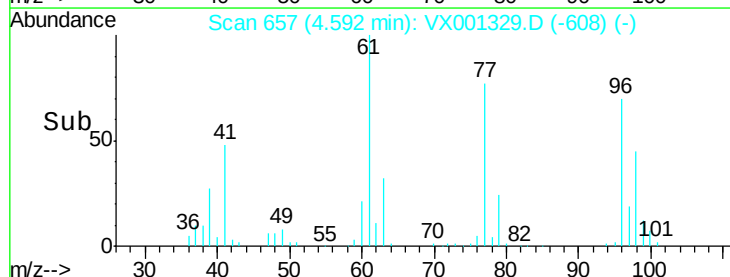
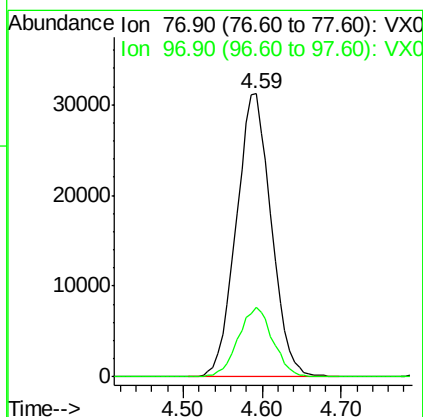
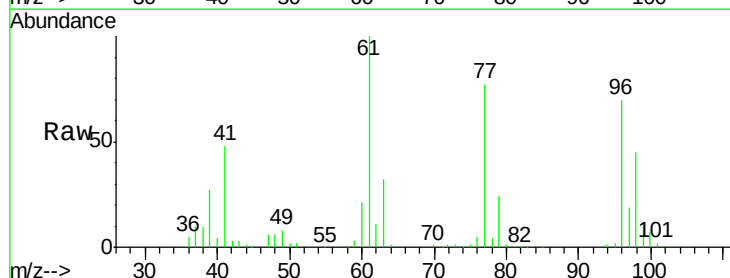
Acq: 02 May 2018 20:42

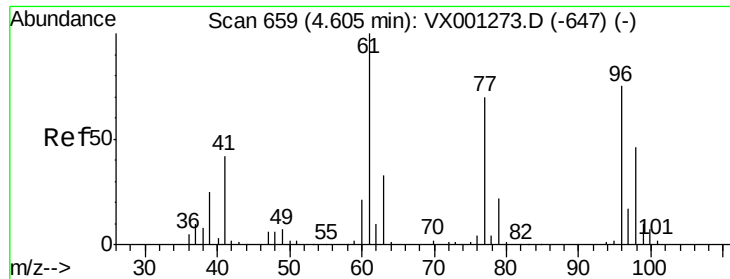
Tgt Ion: 77 Resp: 96063

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.62 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

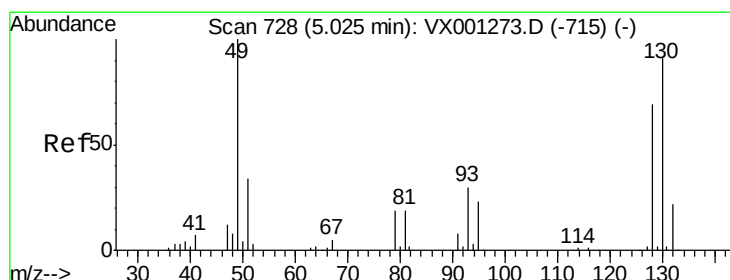
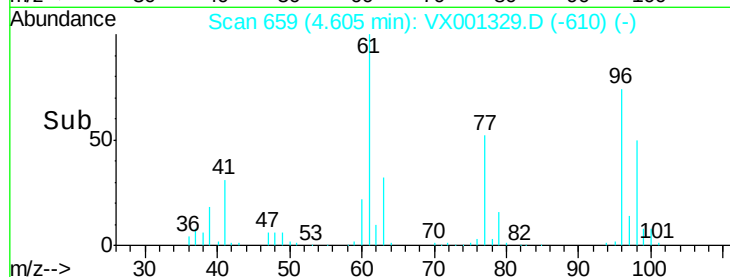
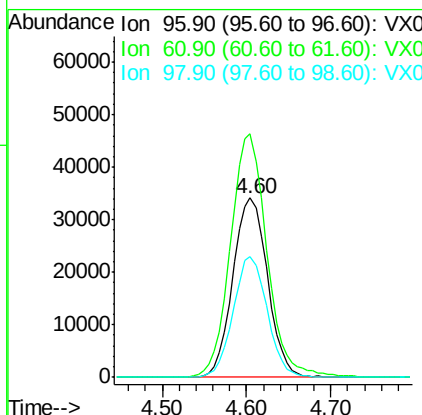
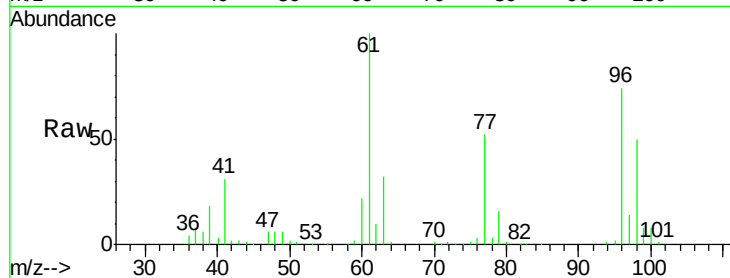
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	95190
Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	288.0
98	65.9	0.0	130.2

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#28

Bromochloromethane

Concen: 53.22 ug/l

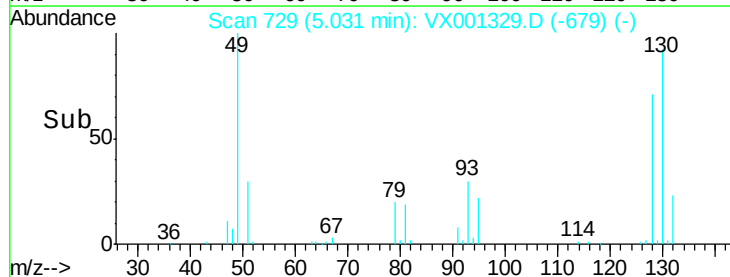
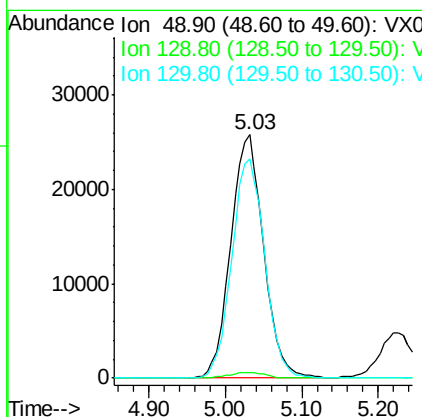
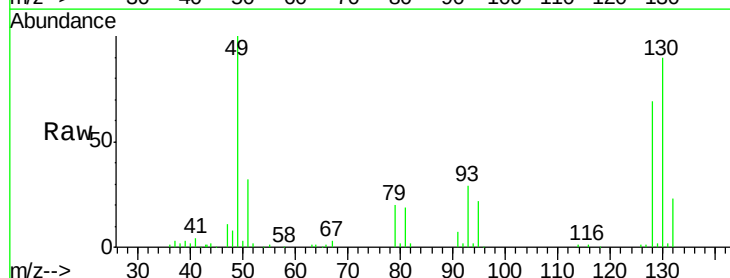
RT: 5.03 min Scan# 729

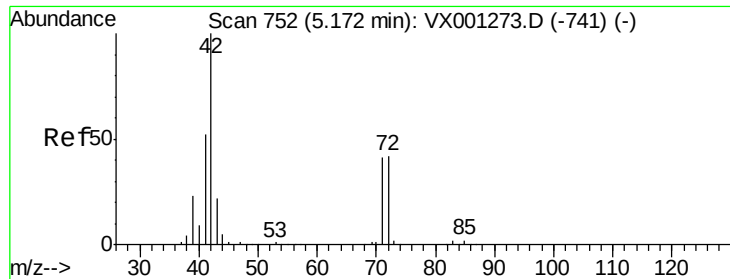
Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion:	49	Resp:	76645
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	90.1	70.4	105.6





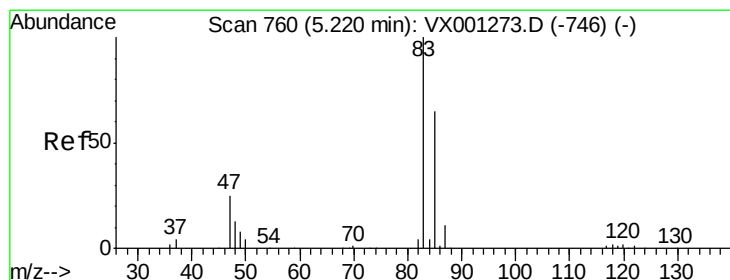
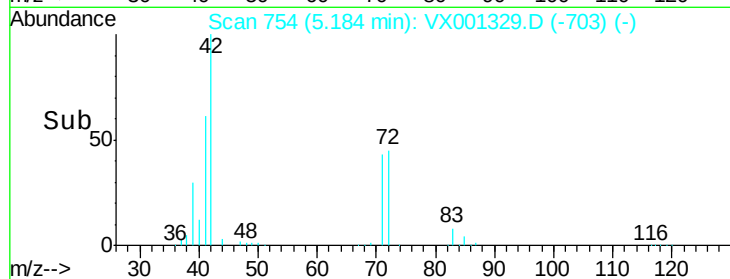
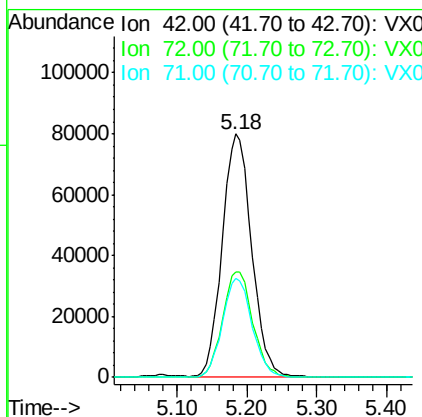
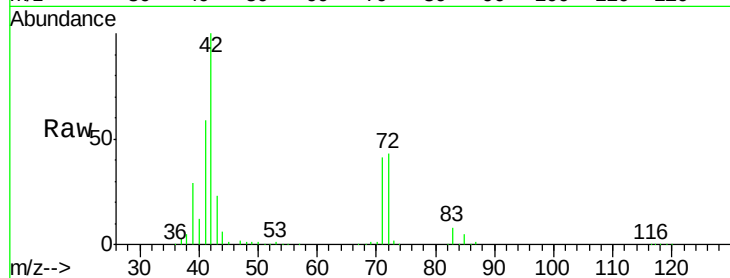
#29
Tetrahydrofuran
Concen: 278.76 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	52.0
71	41.1	32.7	49.1

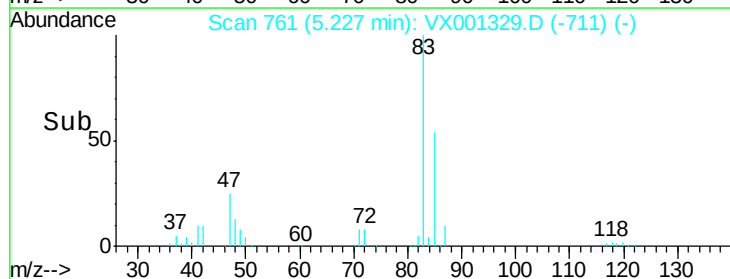
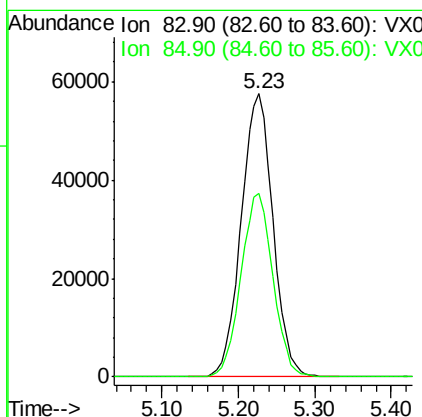
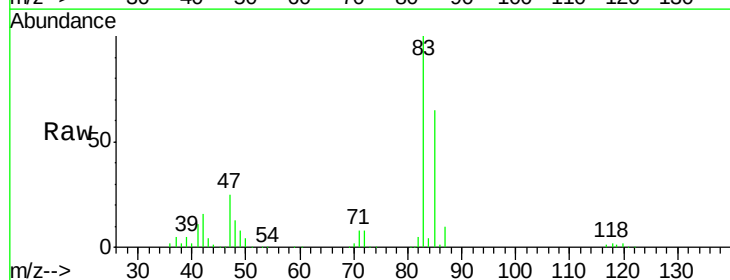
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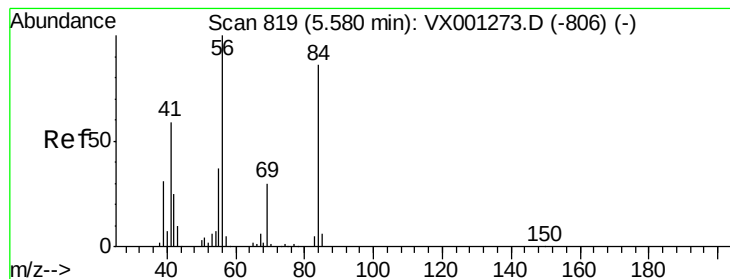
MMDadoda
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#30
Chloroform
Concen: 49.06 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2





#31

Cyclohexane

Concen: 44.14 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

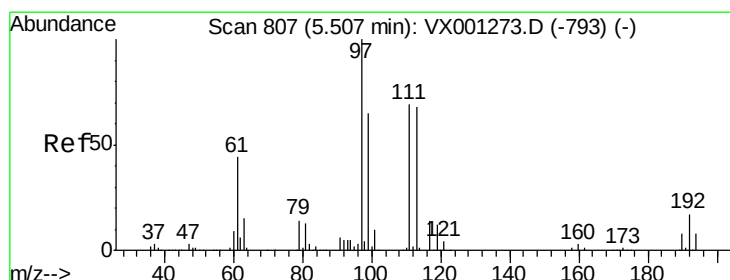
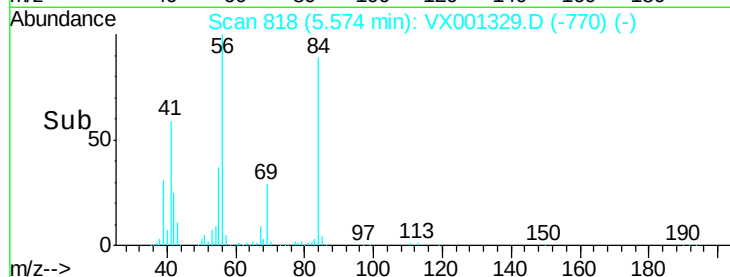
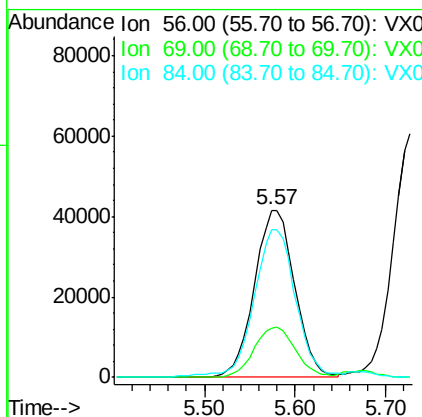
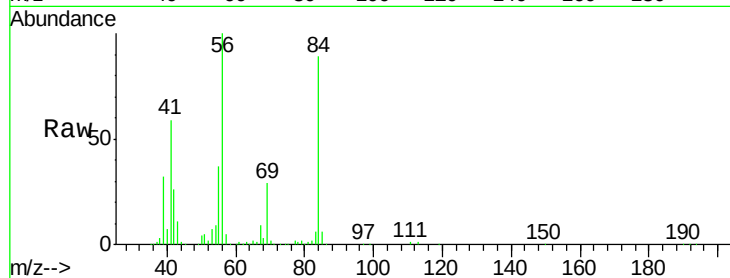
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	127698
Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.0	36.0
84	87.4	69.0	103.4

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#32

1,1,1-Trichloroethane

Concen: 48.67 ug/l

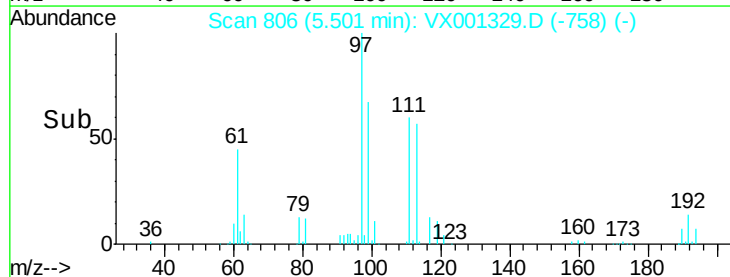
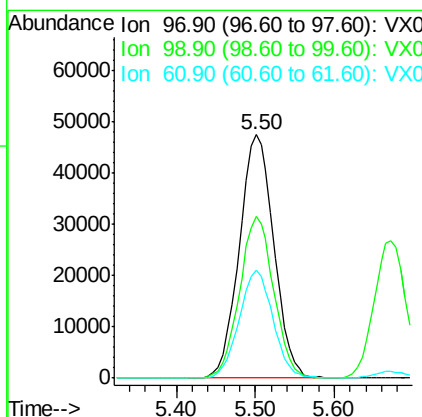
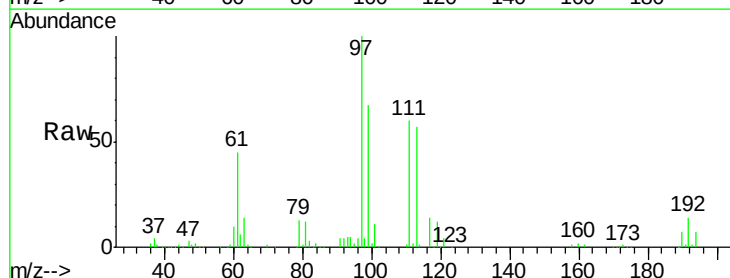
RT: 5.50 min Scan# 806

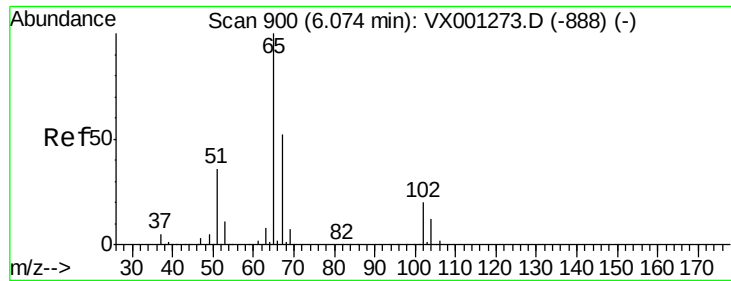
Delta R.T. -0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion:	97	Resp:	144037
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.6
61	43.6	35.4	53.2





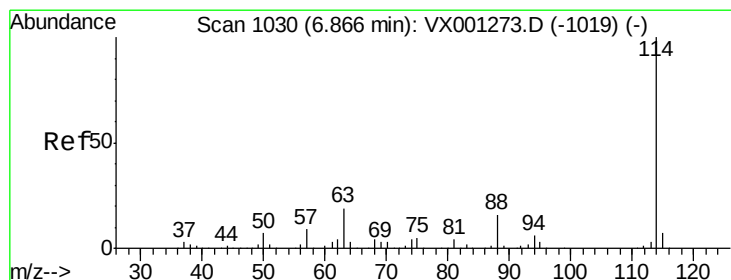
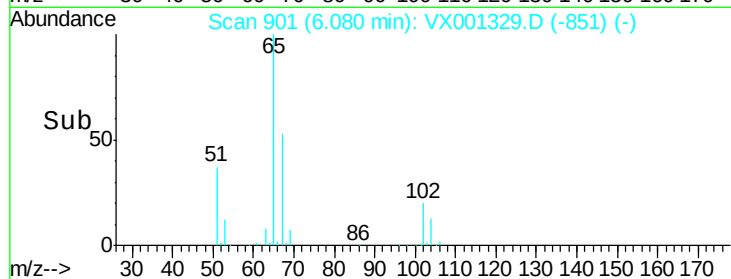
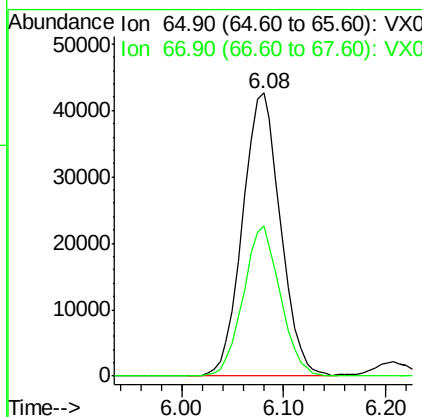
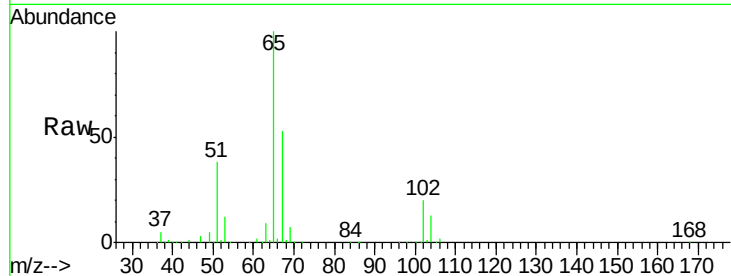
#33
 1,2-Dichloroethane-d4
 Concen: 46.84 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.8

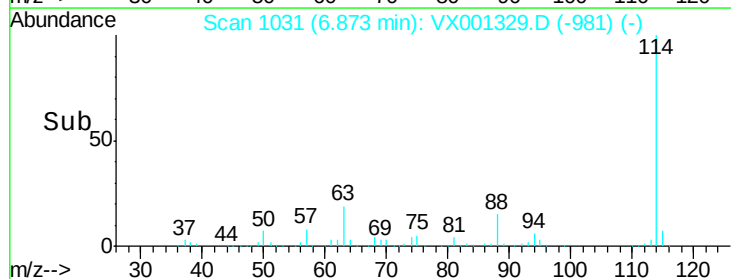
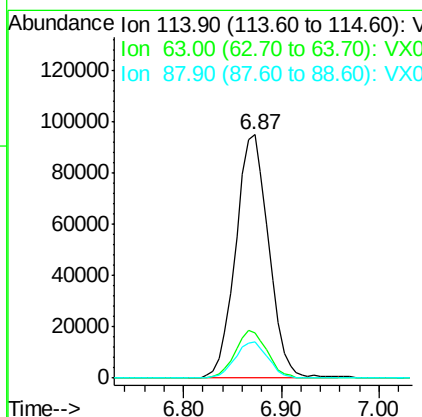
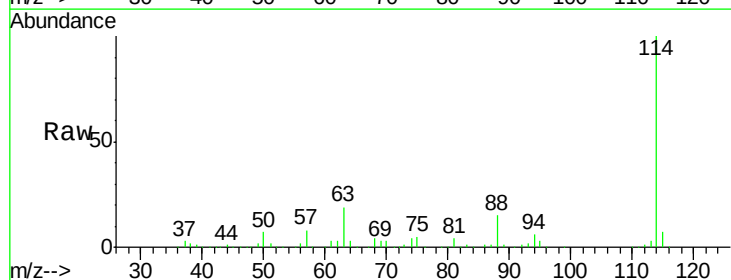
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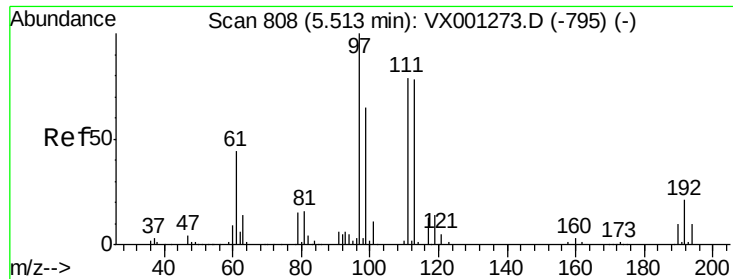
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.8
88	14.7	0.0	32.2





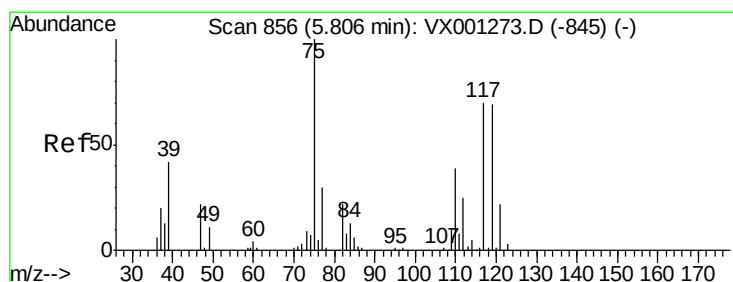
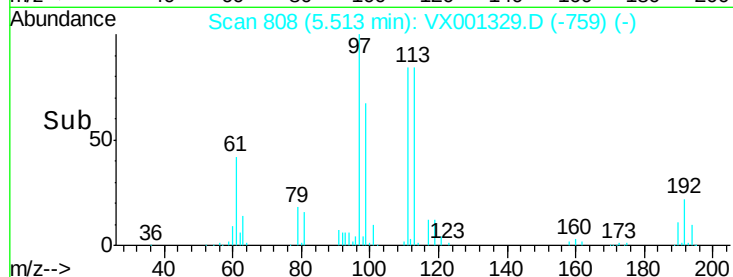
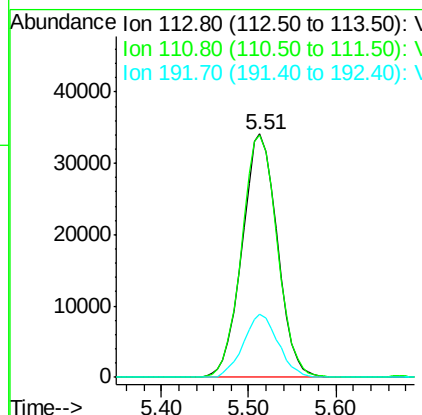
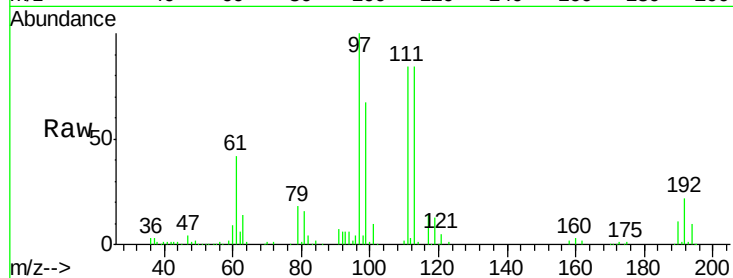
#35
 Dibromofluoromethane
 Concen: 49.81 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.2	121.8
192	25.4	20.7	31.1

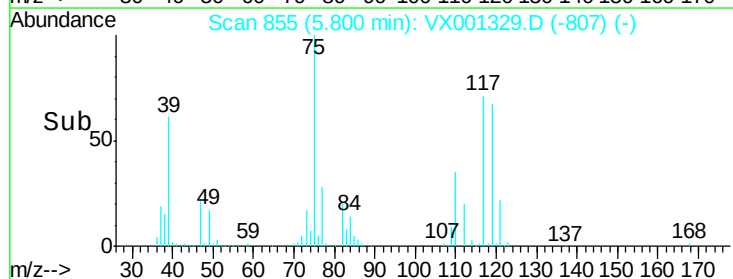
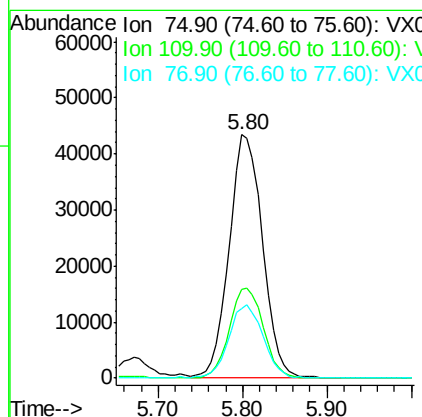
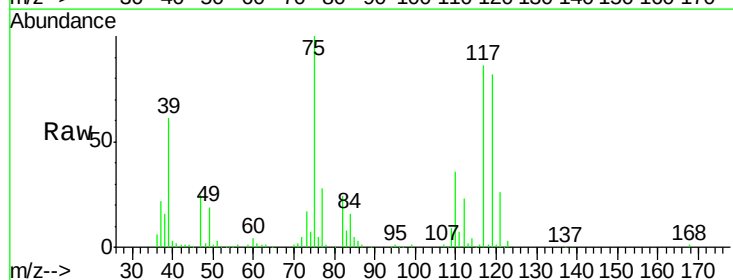
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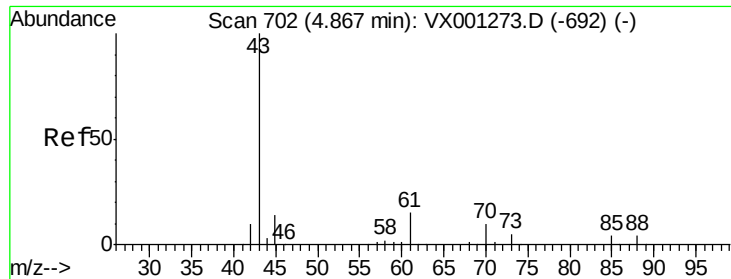
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#36
 1,1-Dichloropropene
 Concen: 45.46 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.9	56.9
77	31.1	24.2	36.2





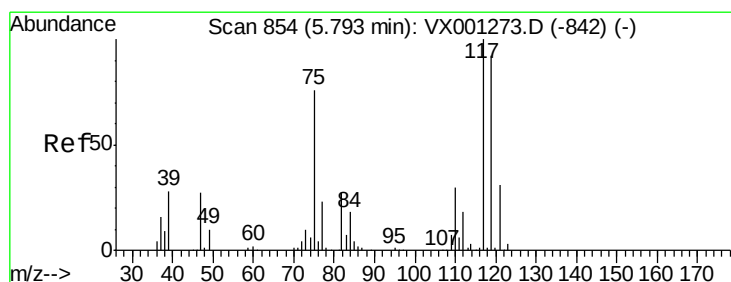
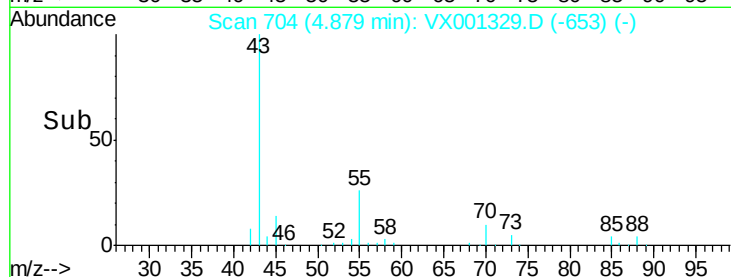
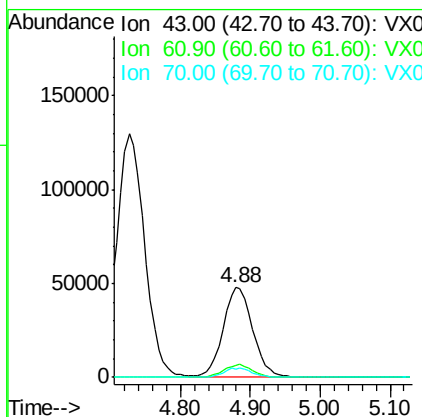
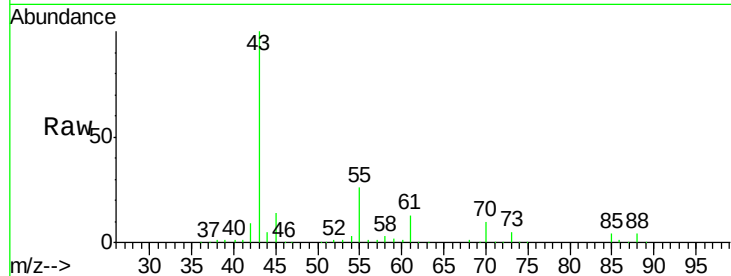
#37
Ethyl Acetate
Concen: 54.09 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:	43	Resp:	139958
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.3	8.0	12.0

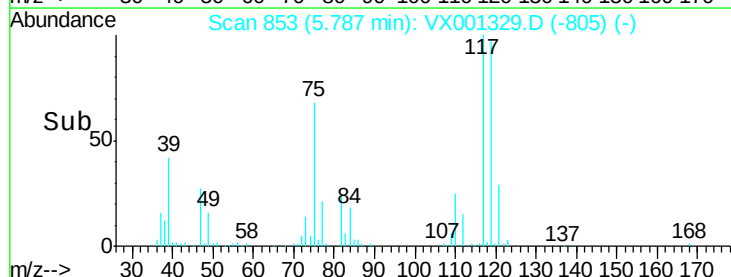
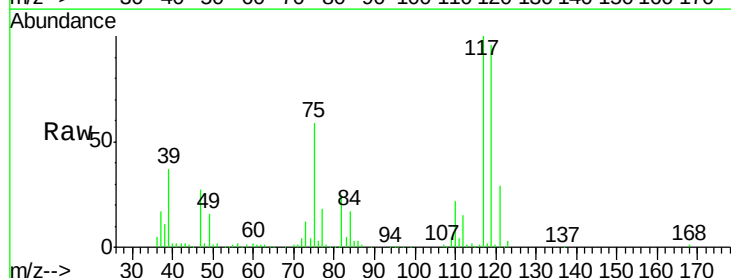
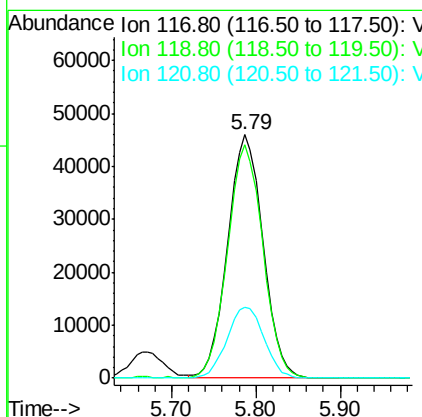
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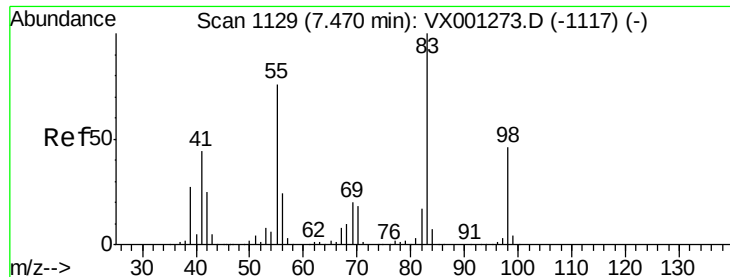
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#38
Carbon Tetrachloride
Concen: 48.78 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion:	117	Resp:	130961
Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.4	110.2
121	29.0	25.0	37.4





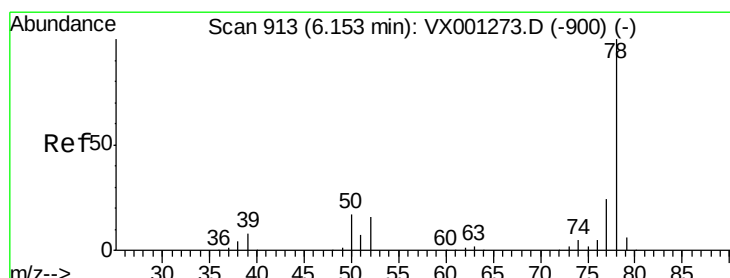
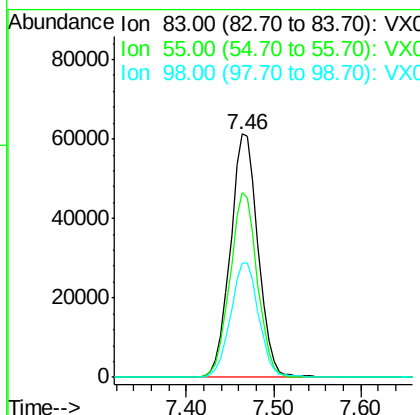
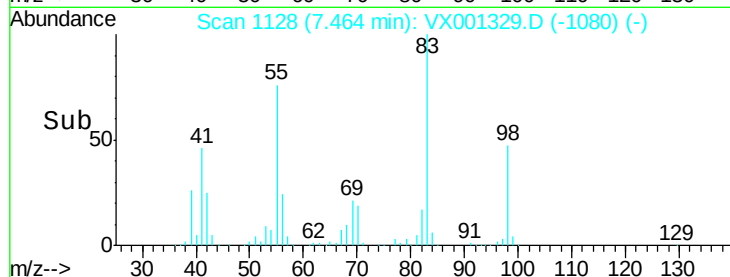
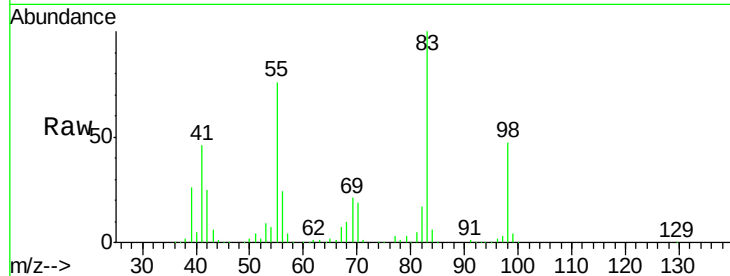
#39
Methylvlcyclohexane
Concen: 44.61 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135196		
55	76.1		60.4	90.6
98	46.9		37.0	55.6

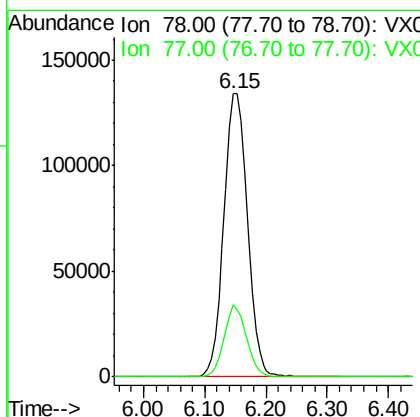
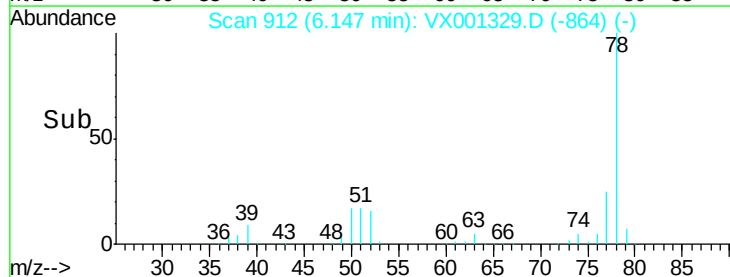
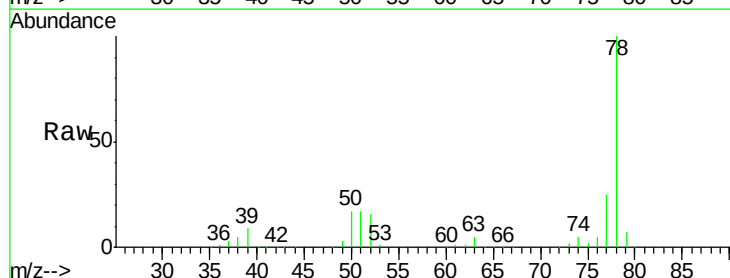
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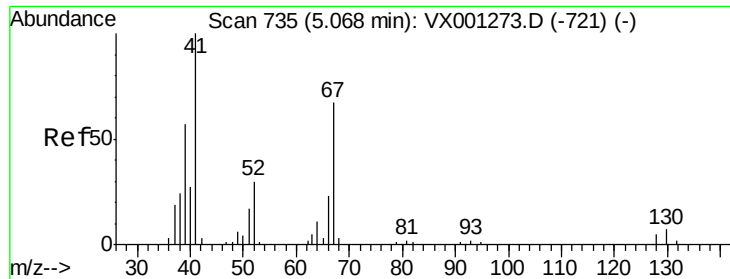
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#40
Benzene
Concen: 48.63 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	358467		
77	25.3		19.0	28.4





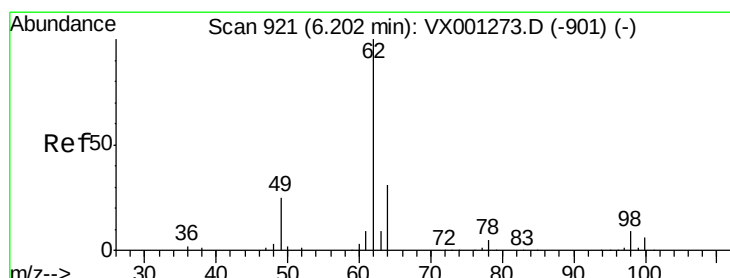
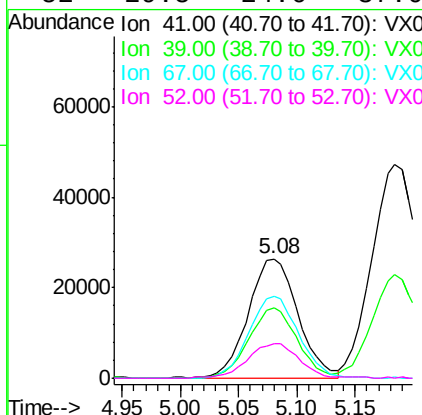
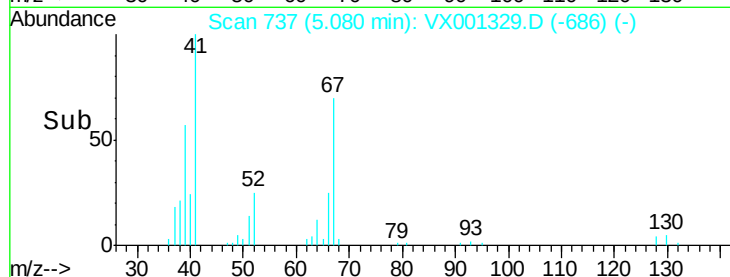
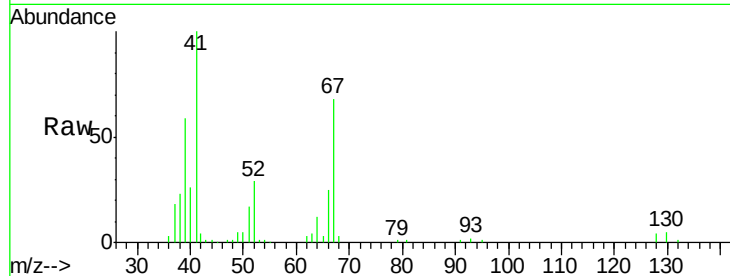
#41
Methacrylonitrile
Concen: 51.61 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	41	Resp	77782
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.8
67	69.2	54.8	82.2
52	29.5	24.6	37.0

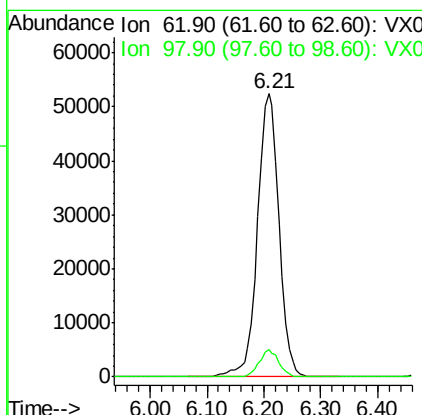
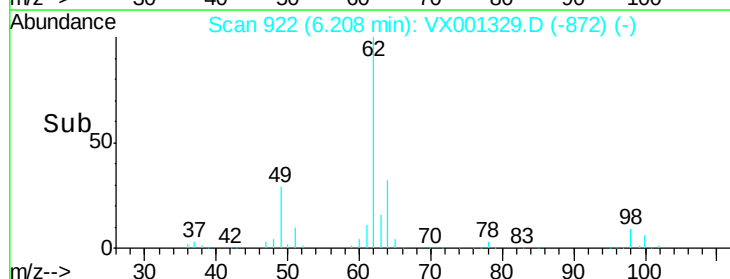
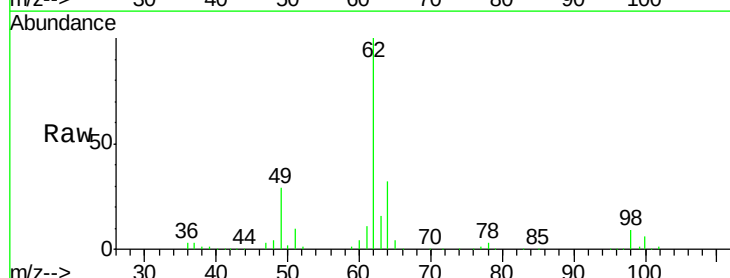
Manual Integrations
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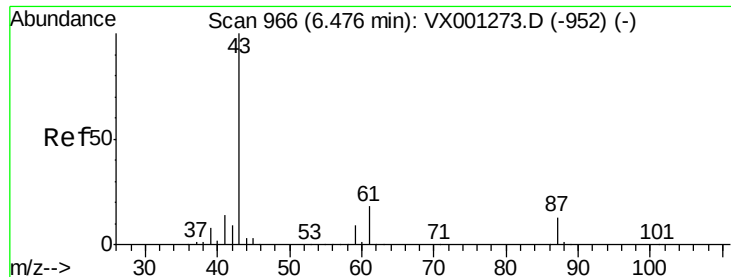
MMDadoda
5/3/2018 12:21:20 PM



#42
1,2-Dichloroethane
Concen: 48.01 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	62	Resp	137042
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

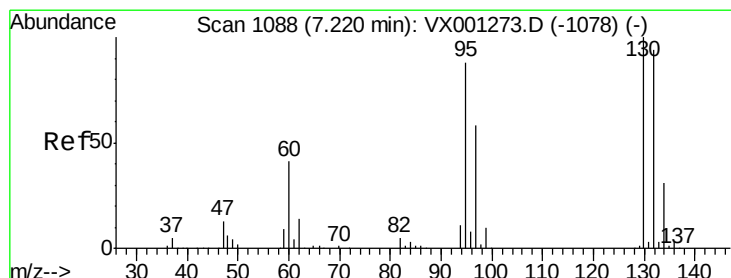
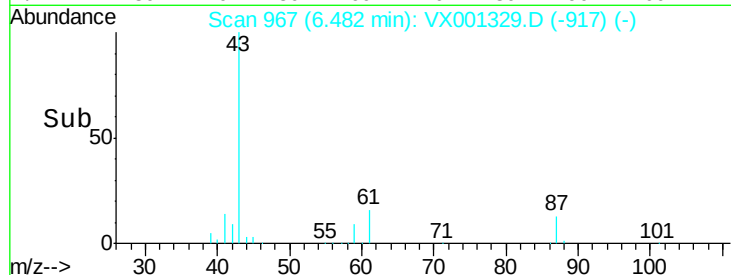
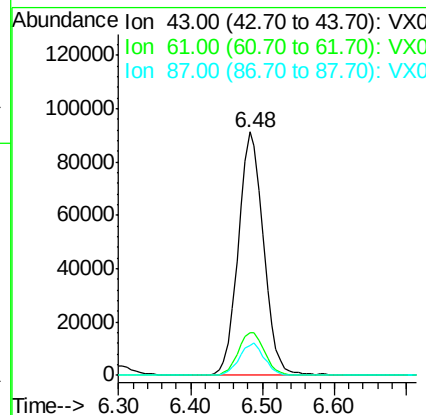
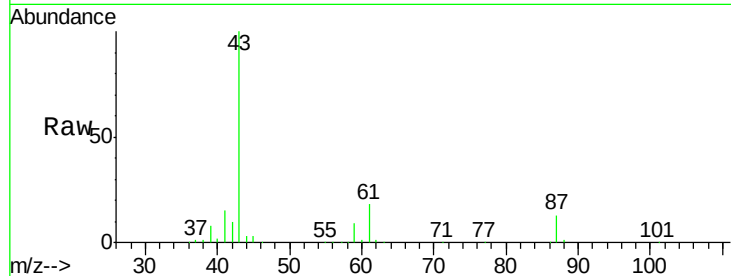
Isopropyl Acetate
 Concen: 52.77 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	13.2	10.2	15.4

Manual Integrations
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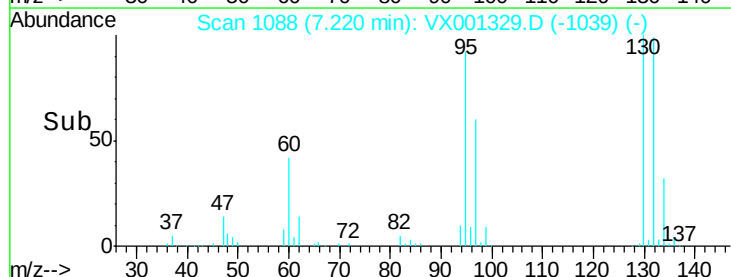
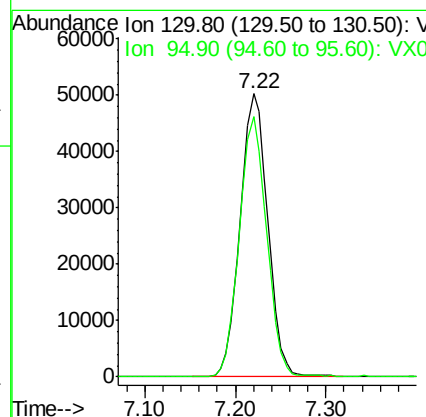
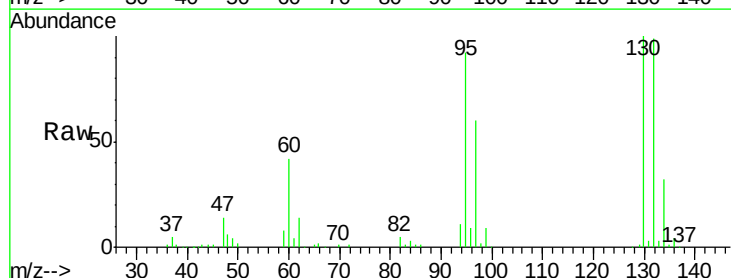
MMDadoda
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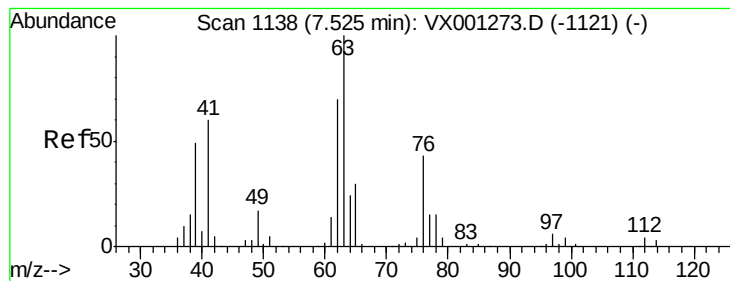


#44

Trichloroethene
 Concen: 47.31 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	176.0





#45

1,2-Dichloropropane

Concen: 48.94 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 92638

Ion Ratio Lower Upper

63 100

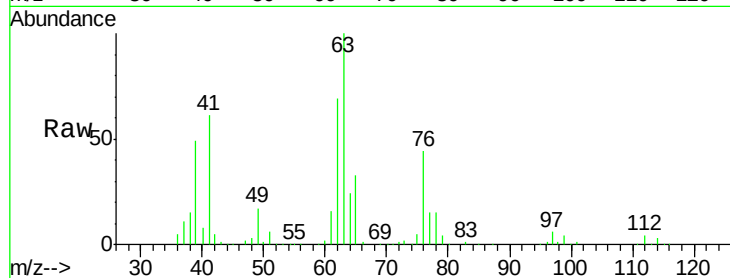
65 32.6 24.2 36.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

50000

40000

30000

20000

10000

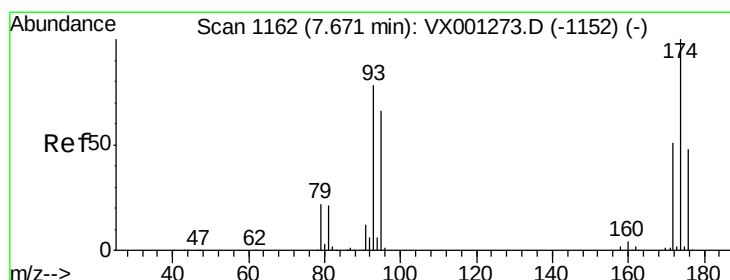
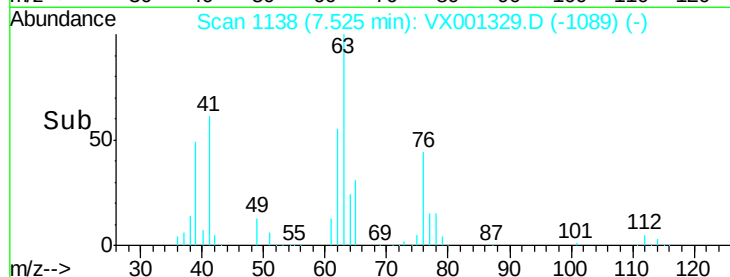
0

7.40

7.50

7.60

Time-->



#46

Dibromomethane

Concen: 49.44 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

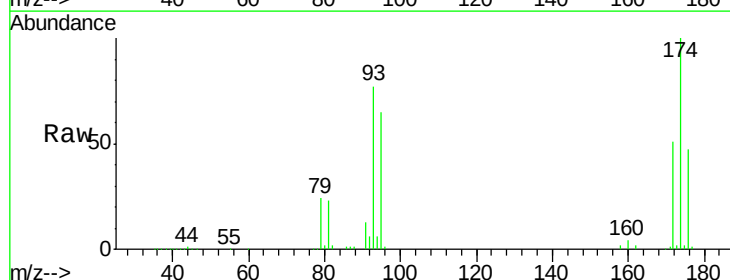
Tgt Ion: 93 Resp: 65608

Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.6

174 128.6 102.3 153.5



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

20000

10000

0

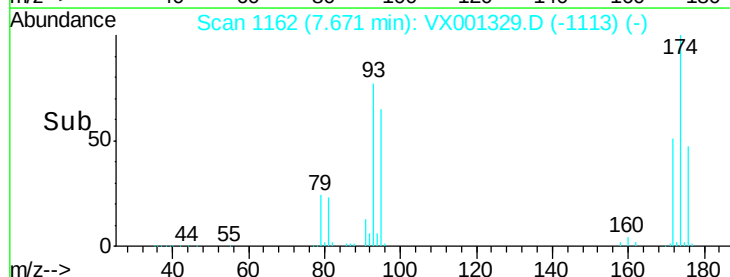
7.60

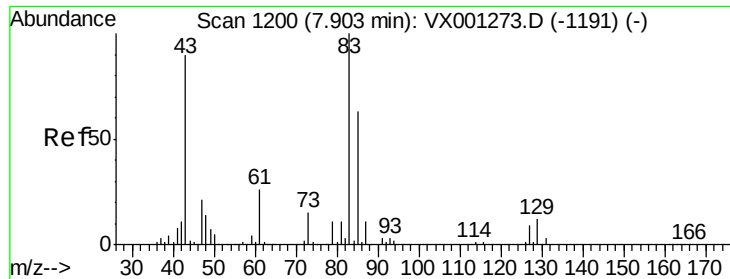
7.65

7.70

7.75

Time-->





#47

Bromodichloromethane

Concen: 51.98 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

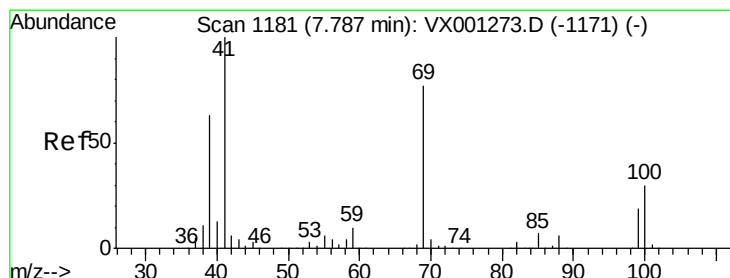
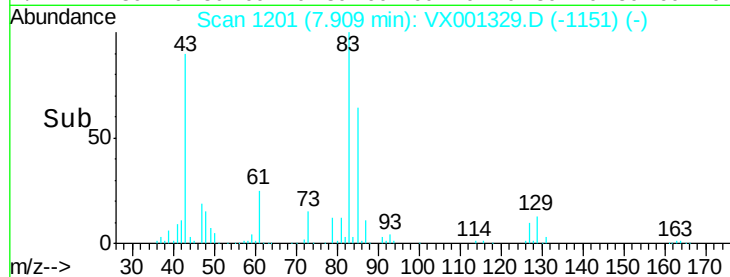
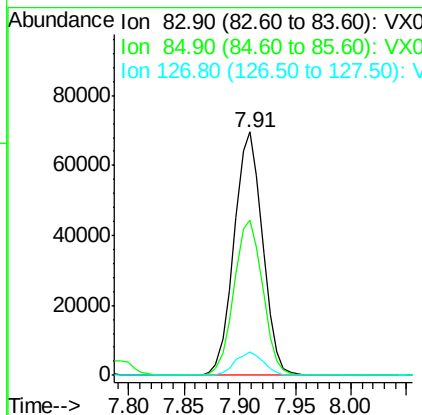
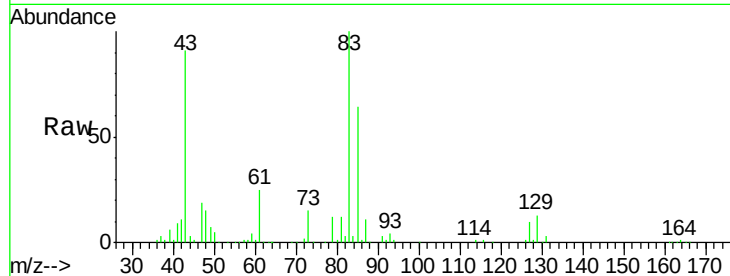
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123318
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.3	75.5
127	9.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.84 ug/l

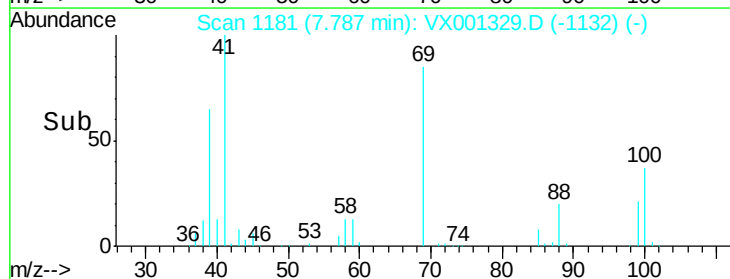
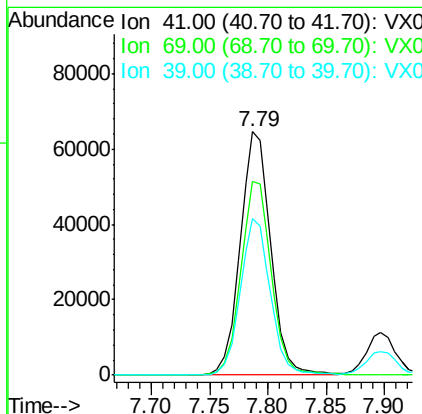
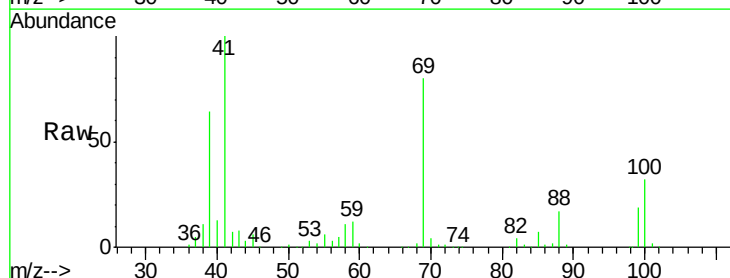
RT: 7.79 min Scan# 1181

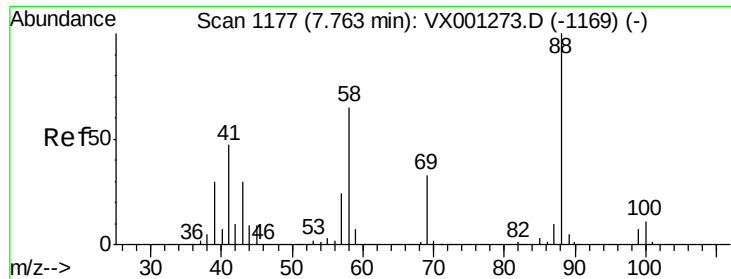
Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion:	41	Resp:	117675
Ion Ratio	Lower	Upper	
41	100		
69	80.0	63.0	94.6
39	63.1	50.2	75.4





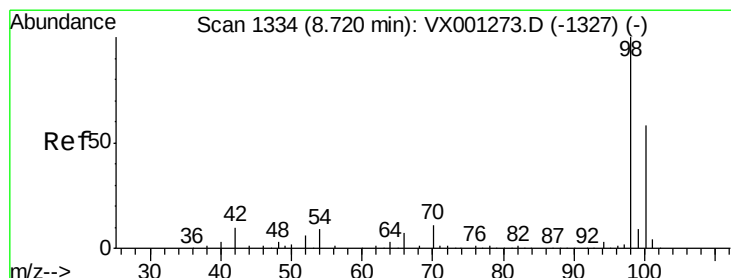
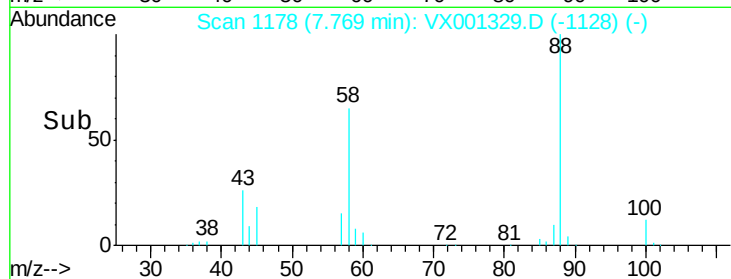
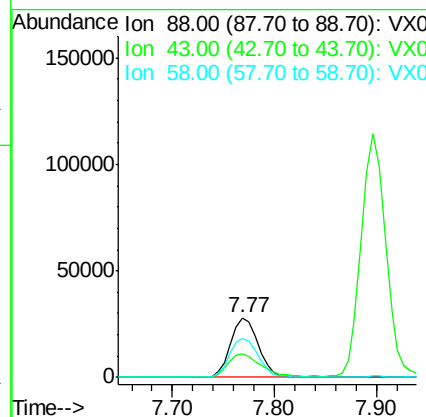
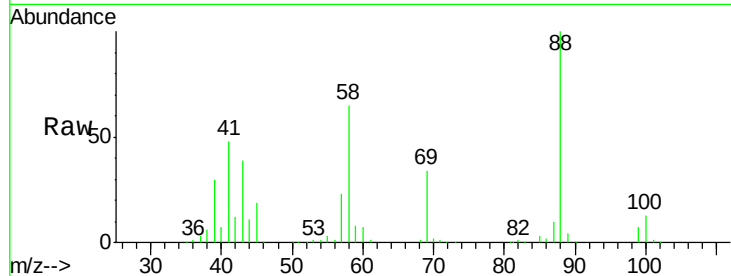
#49
1,4-Dioxane
Concen: 1250.29 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.1	27.9	41.9#
58	68.0	54.2	81.2

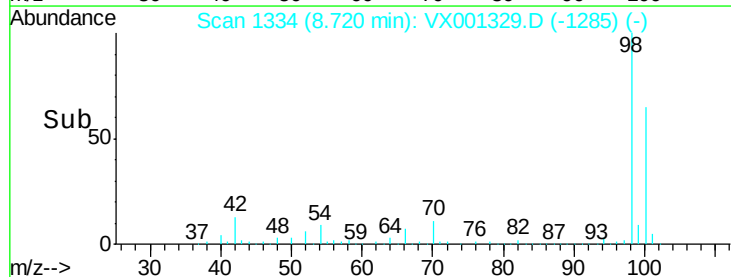
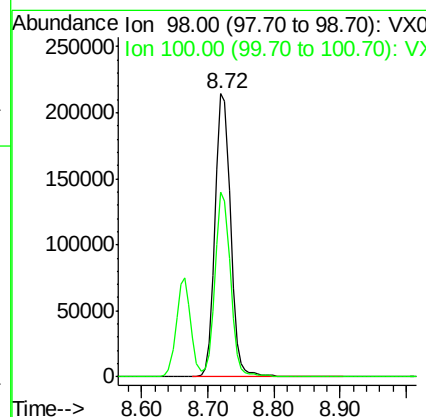
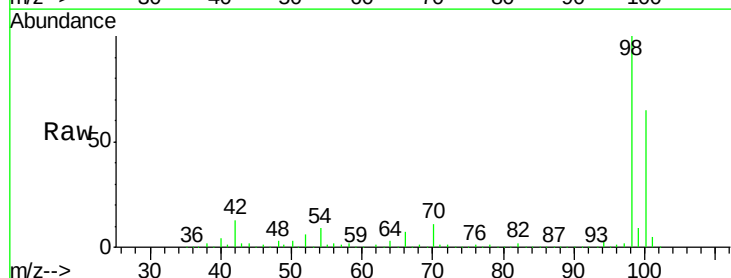
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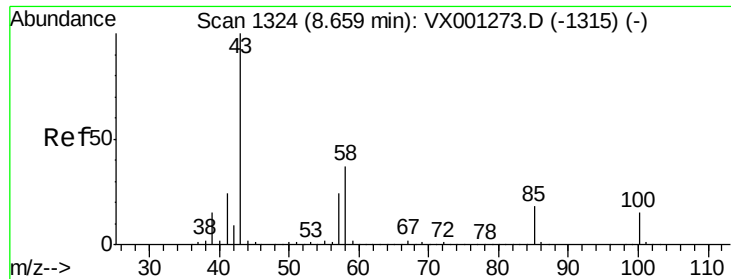
MMDadoda
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#50
Toluene-d8
Concen: 51.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 285.91 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 772171

Ion Ratio Lower Upper

43 100

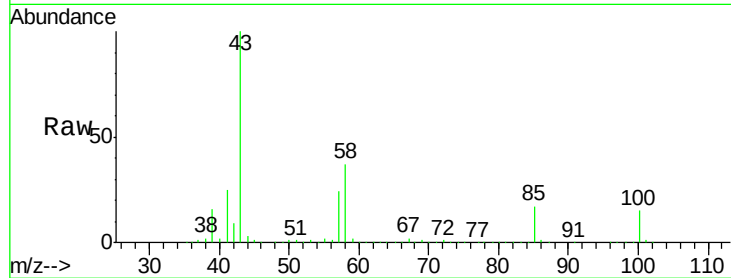
58 37.2 29.0 43.6

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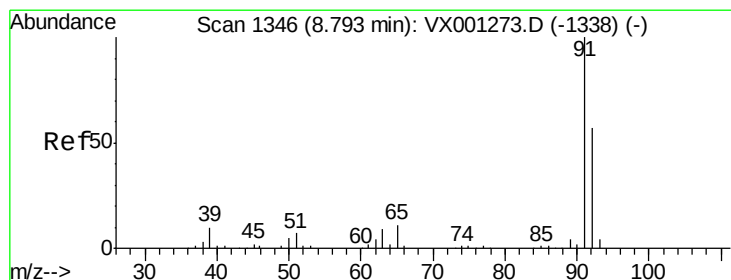
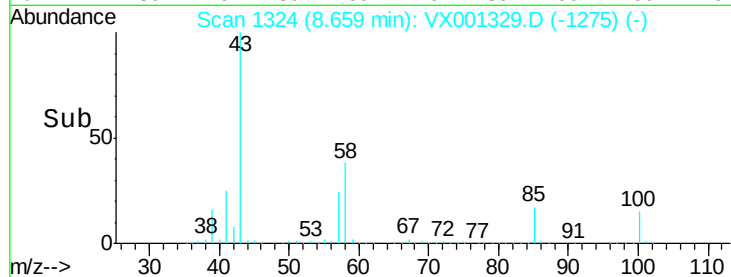
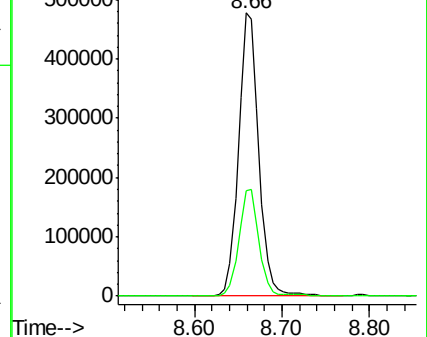
MMDadoda

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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: 49.38 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001329.D

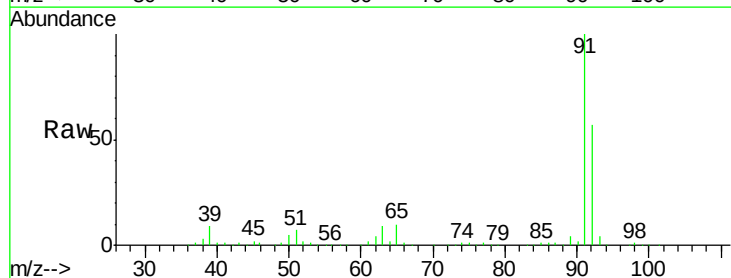
Acq: 02 May 2018 20:42

Tgt Ion: 92 Resp: 237956

Ion Ratio Lower Upper

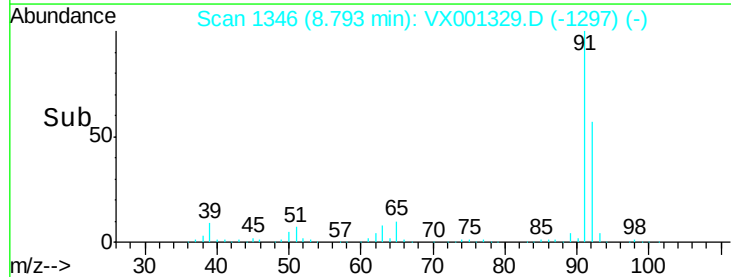
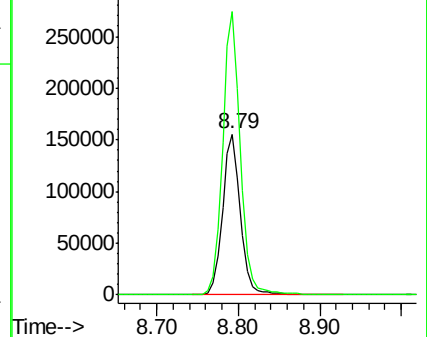
92 100

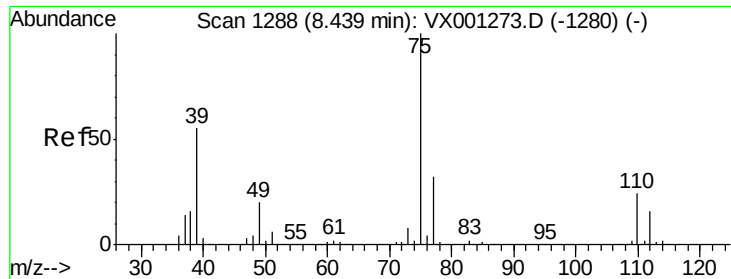
91 174.4 139.0 208.6



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: 49.08 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 138482

Ion Ratio Lower Upper

75 100

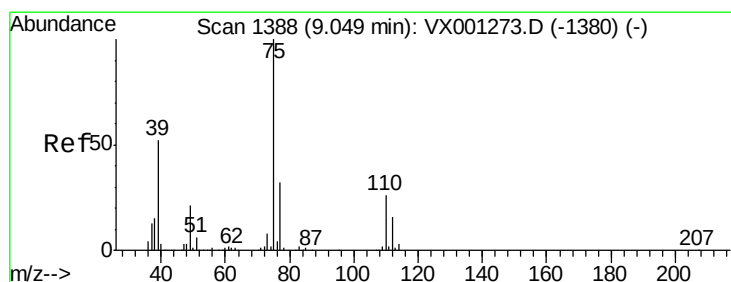
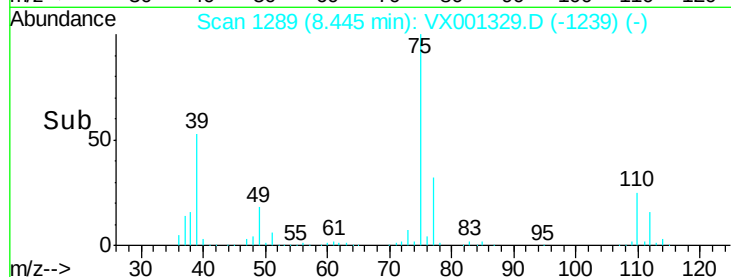
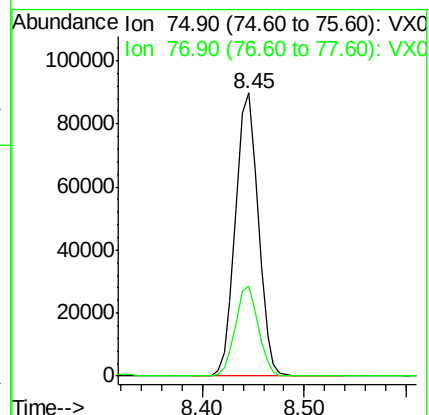
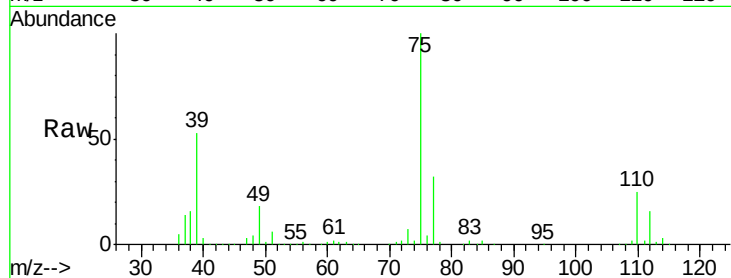
77 31.9 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.22 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

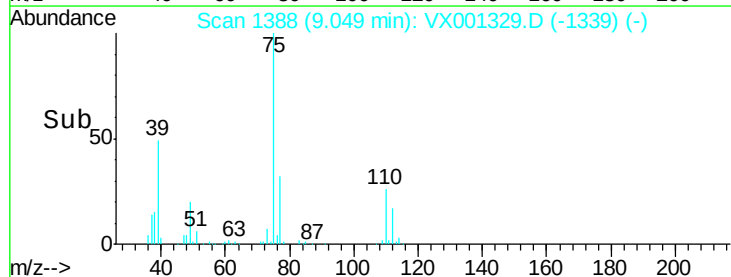
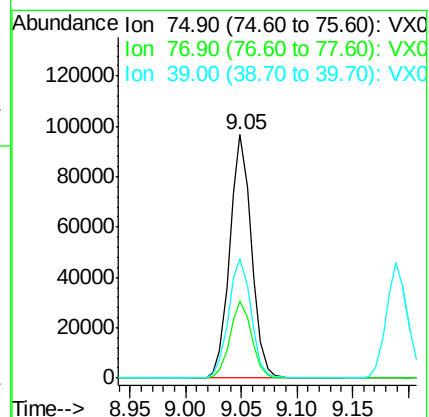
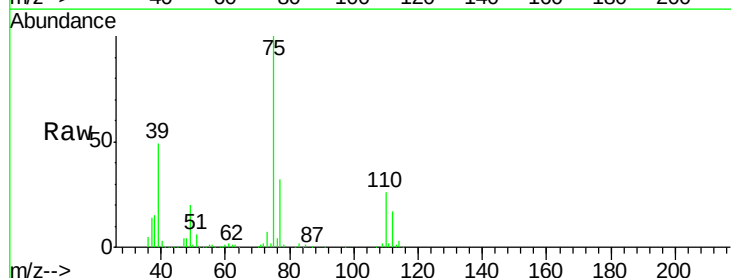
Tgt Ion: 75 Resp: 130371

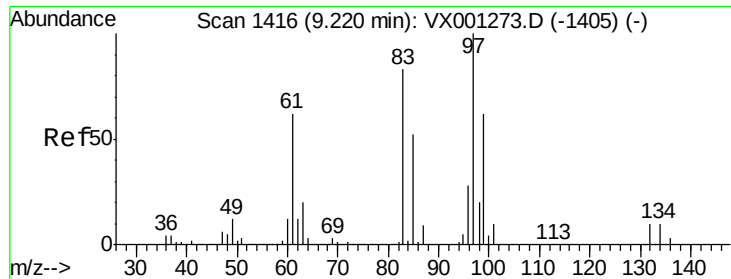
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 49.1 41.9 62.9





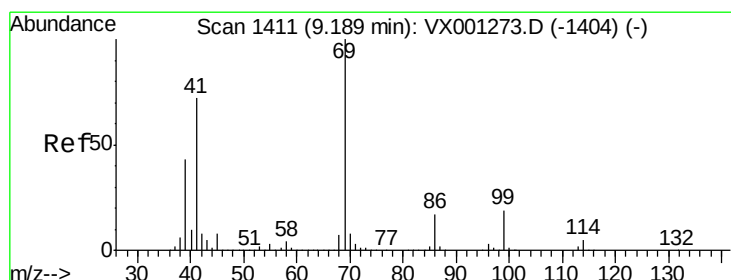
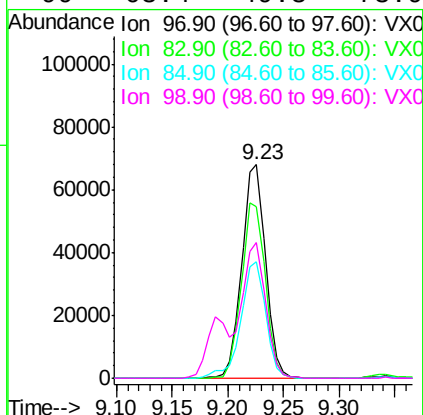
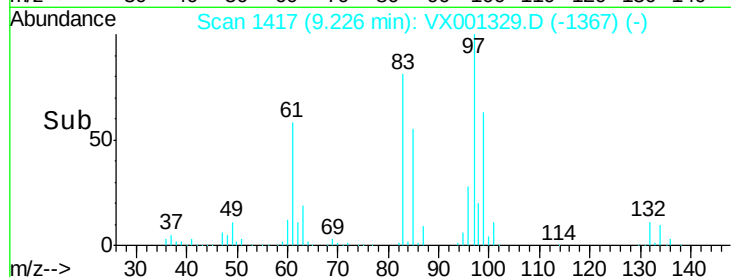
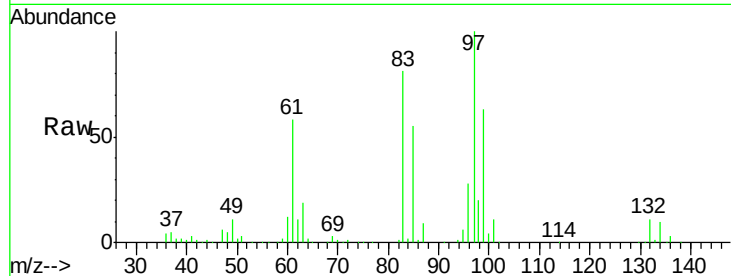
#55
 1,1,2-Trichloroethane
 Concen: 51.70 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100641		
83	80.6	66.4	99.6		
85	54.6	41.6	62.4		
99	63.4	49.3	73.9		

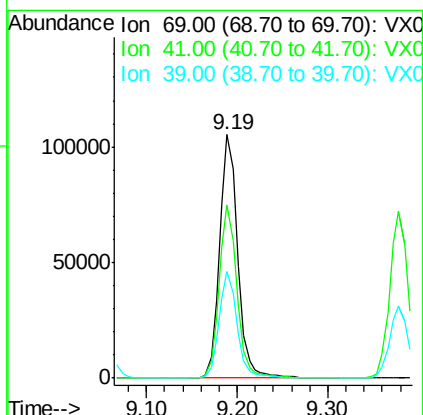
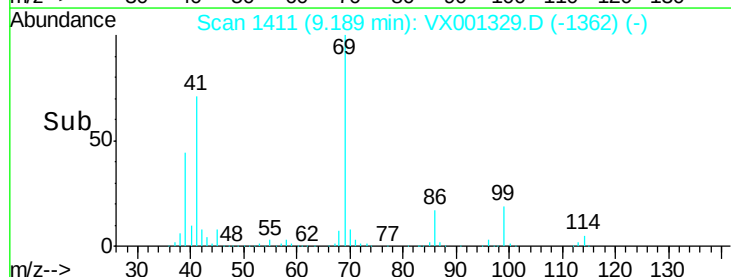
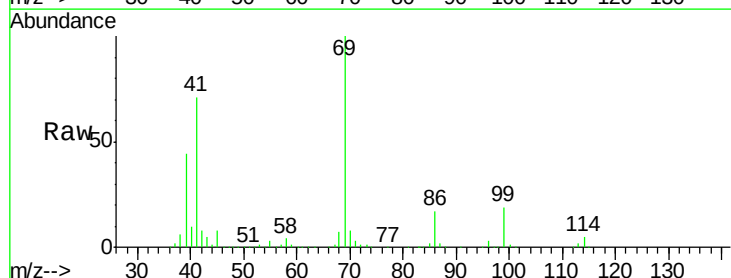
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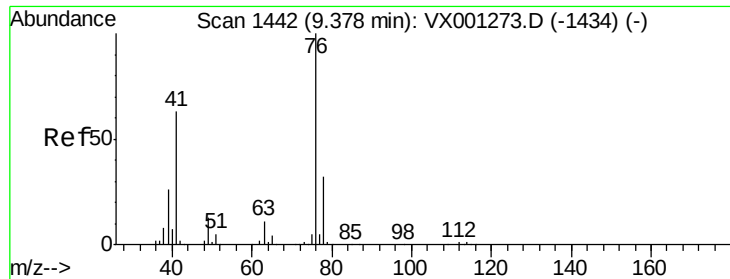
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#56
 Ethyl methacrylate
 Concen: 54.67 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		147449		
41	69.9	57.2	85.8		
39	43.1	34.3	51.5		





#57

1,3-Dichloropropane

Concen: 50.77 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 158955

Ion Ratio Lower Upper

76 100

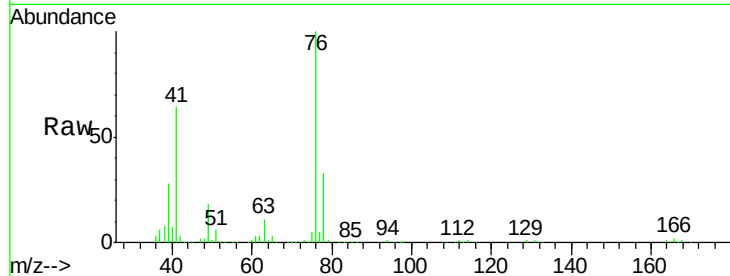
78 32.5 25.6 38.4

Manual Integrations

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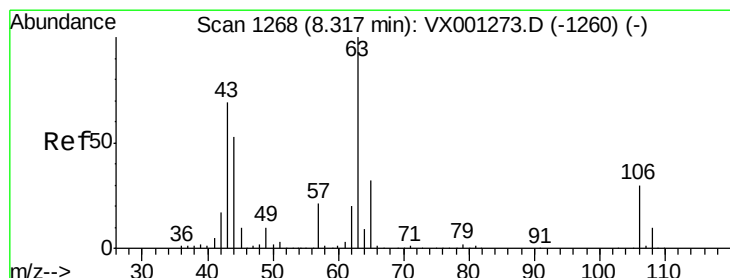
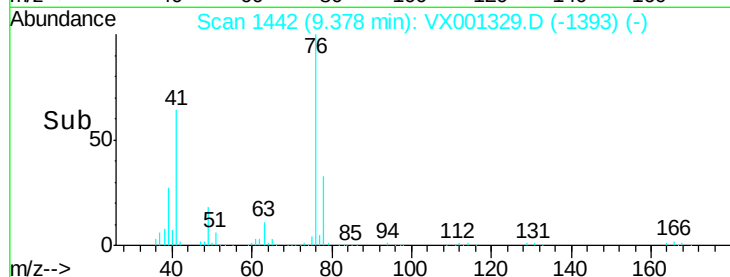
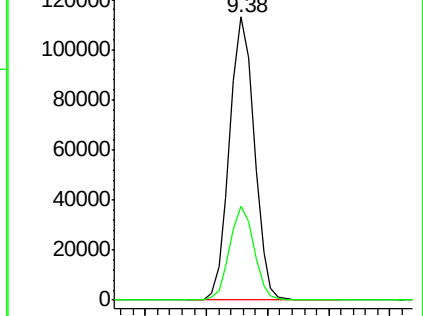
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 272.92 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001329.D

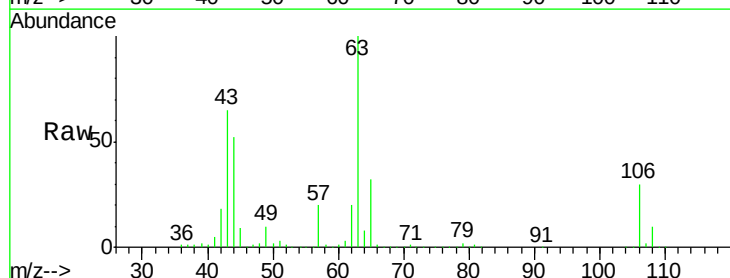
Acq: 02 May 2018 20:42

Tgt Ion: 63 Resp: 355125

Ion Ratio Lower Upper

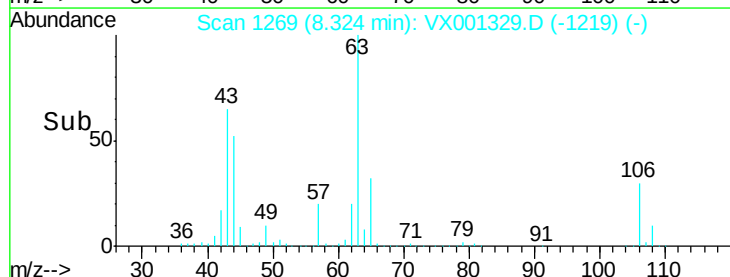
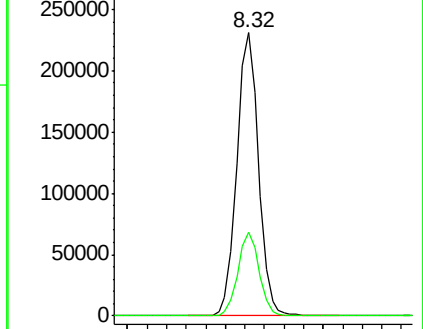
63 100

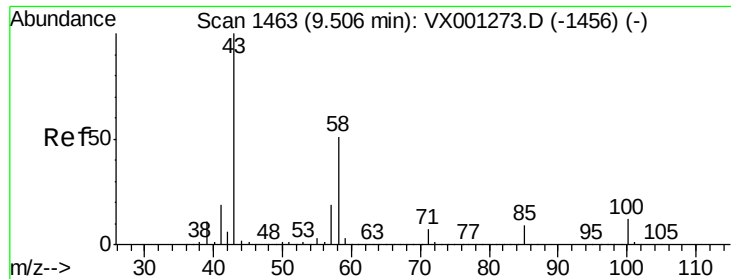
106 29.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





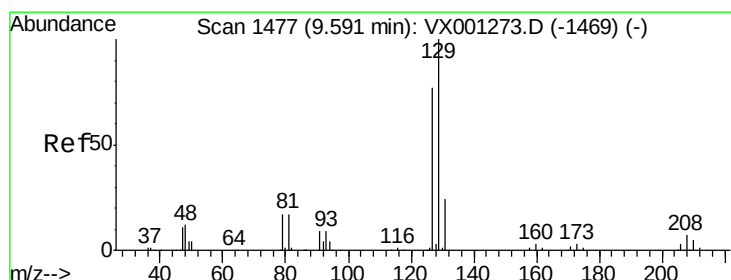
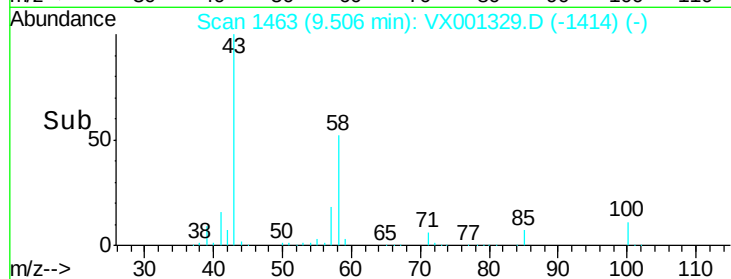
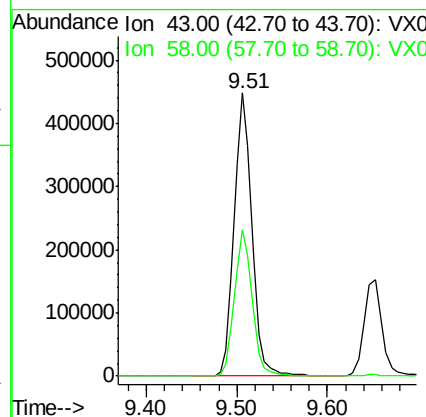
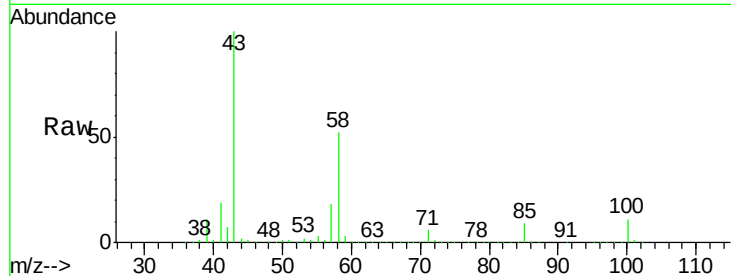
#59
2-Hexanone
Concen: 289.29 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 610640
Ion Ratio Lower Upper
43 100
58 51.4 25.7 77.0

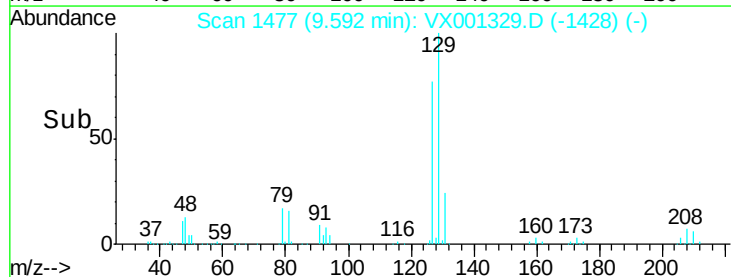
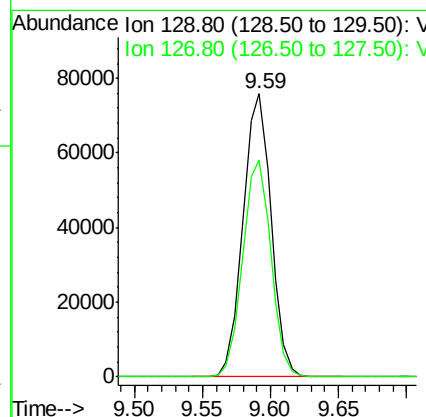
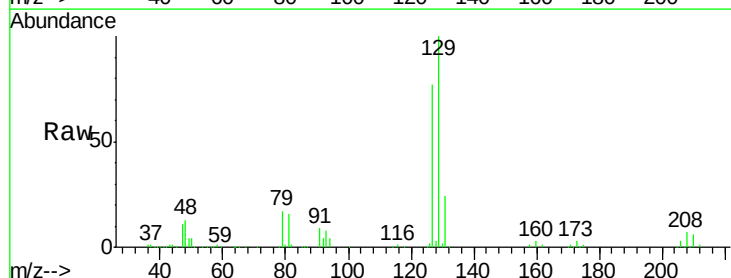
Manual Integrations
APPROVED

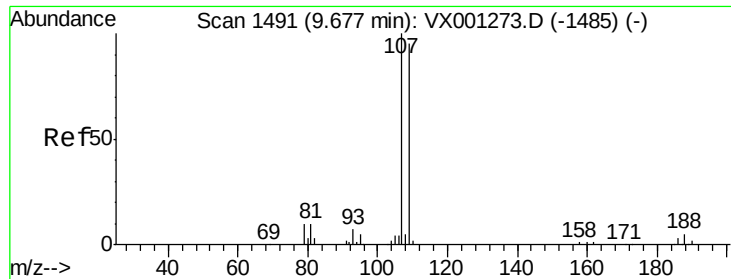
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#60
Dibromochloromethane
Concen: 53.80 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion: 129 Resp: 109237
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.21 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 107718

Ion Ratio Lower Upper

107 100

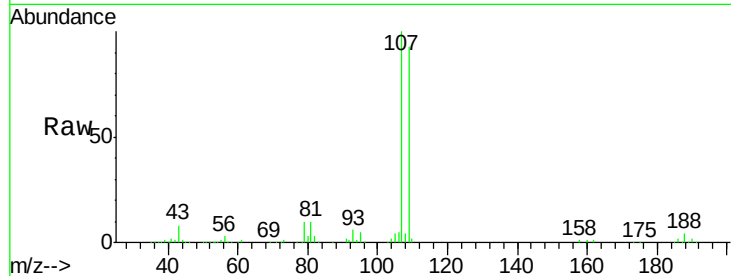
109 94.1 75.4 113.2

Manual Integrations

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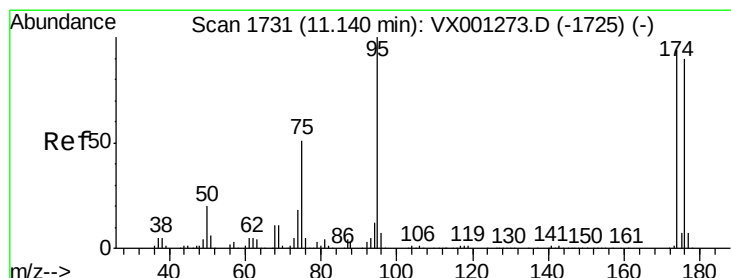
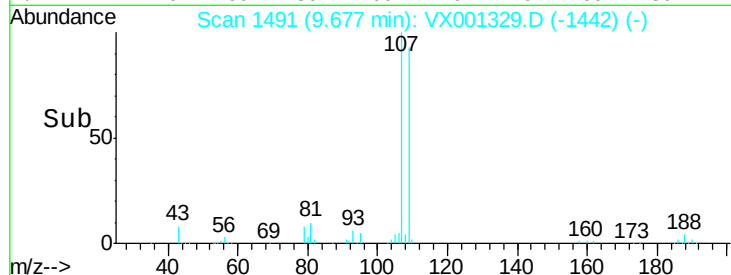
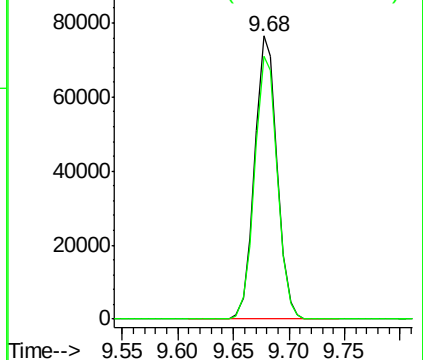
MMDadoda

5/3/2018 12:21:20 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

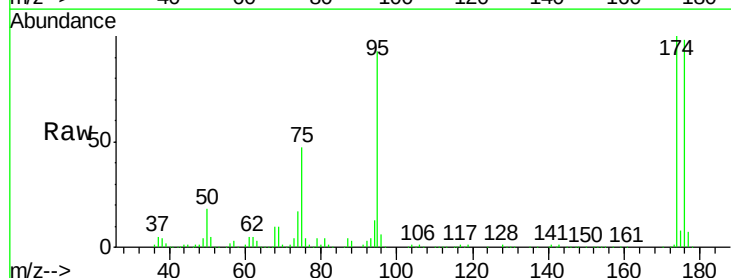
Tgt Ion: 95 Resp: 132467

Ion Ratio Lower Upper

95 100

174 104.3 0.0 201.8

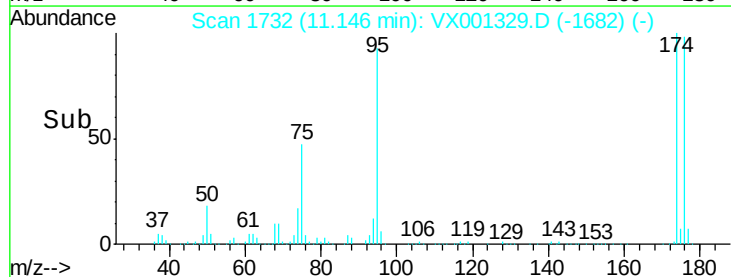
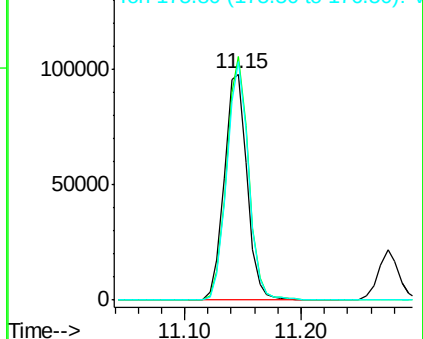
176 101.3 0.0 197.2

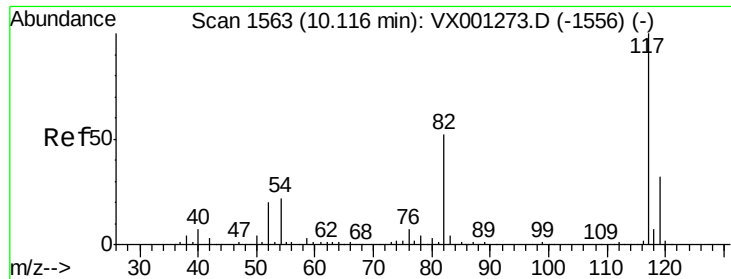


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





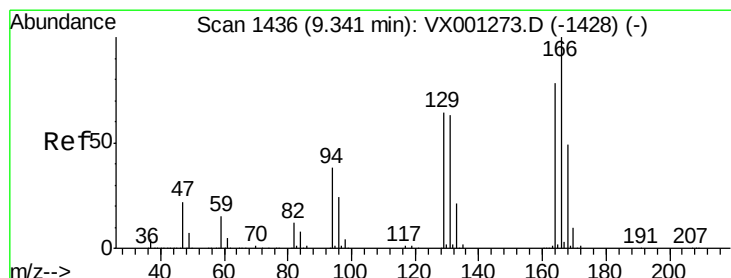
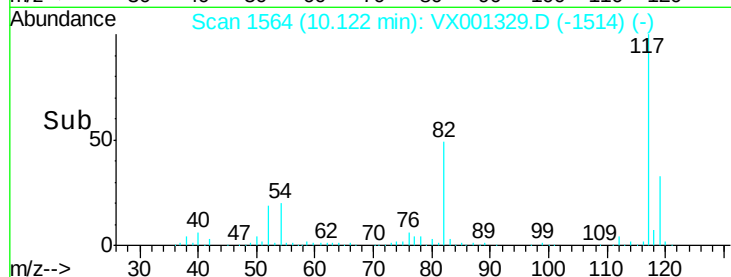
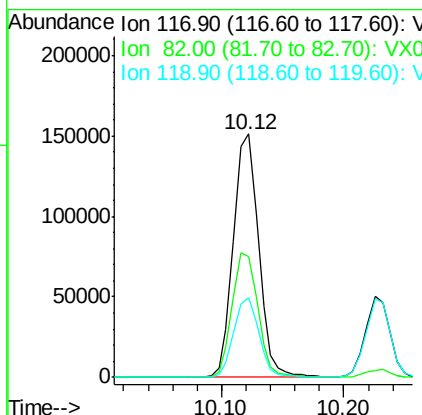
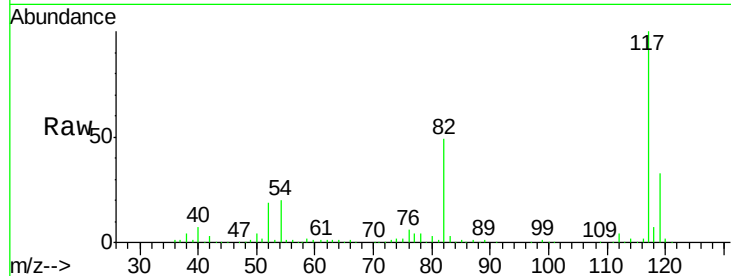
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	41.4	62.0
119	32.5	25.5	38.3

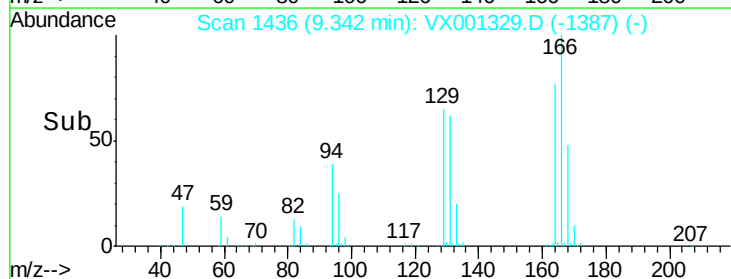
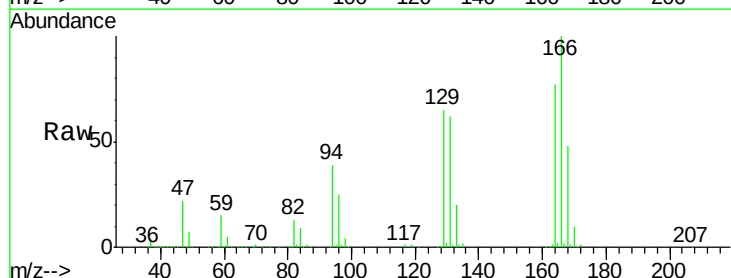
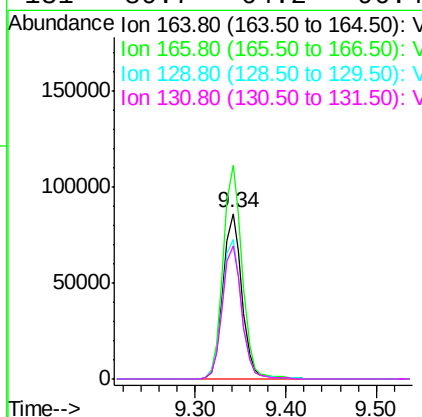
Manual Integrations
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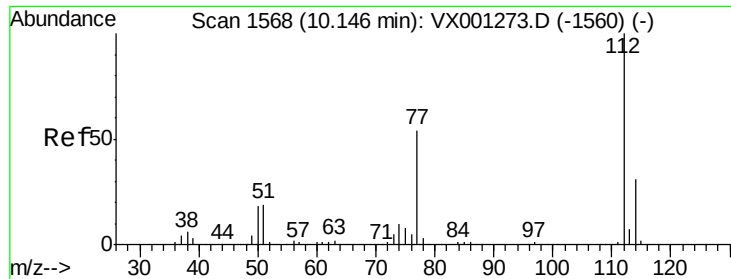
MMDadoda
5/3/2018 12:21:20 PM



#64
Tetrachloroethene
Concen: 48.97 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.3	153.5
129	84.2	65.1	97.7
131	80.7	64.2	96.4





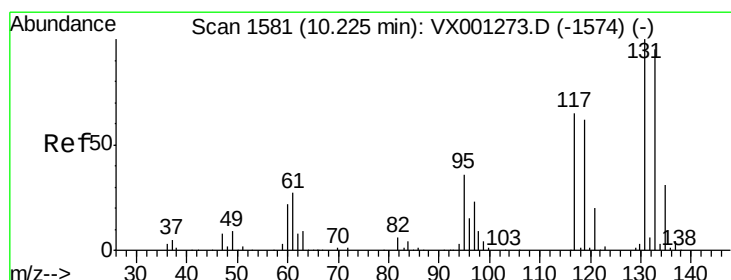
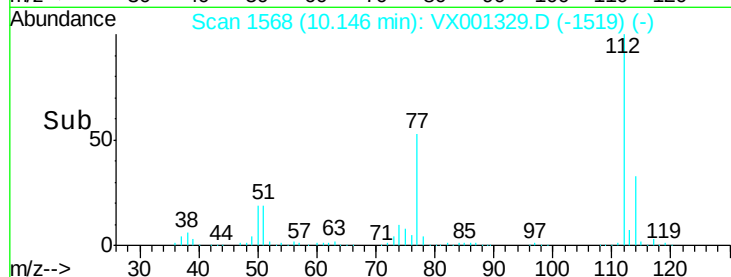
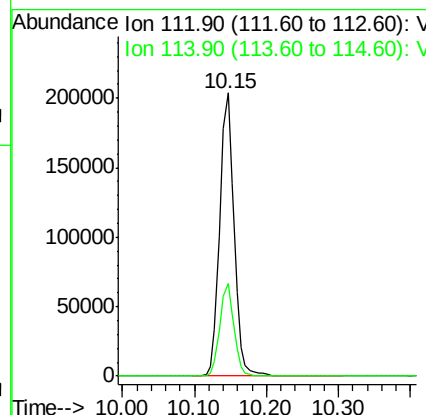
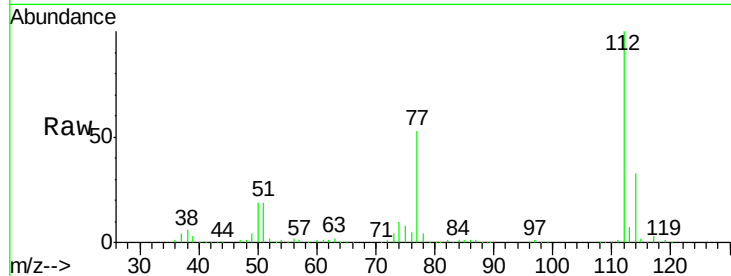
#65
Chlorobenzene
Concen: 47.46 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 279997
Ion Ratio Lower Upper
112 100
114 32.7 24.8 37.2

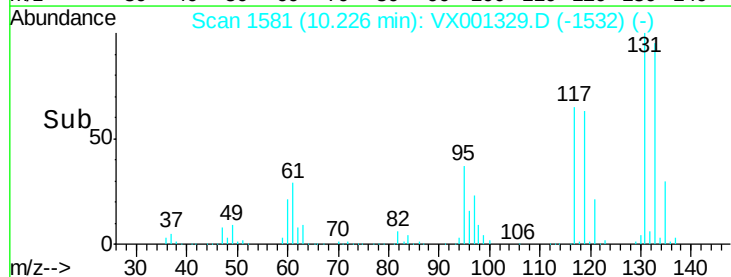
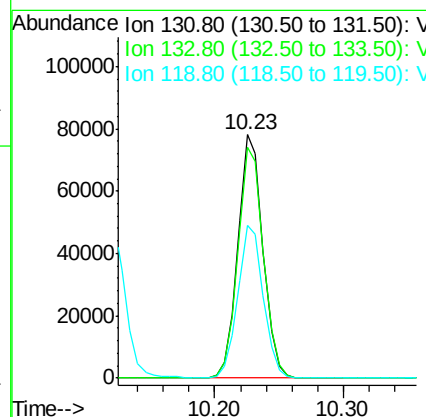
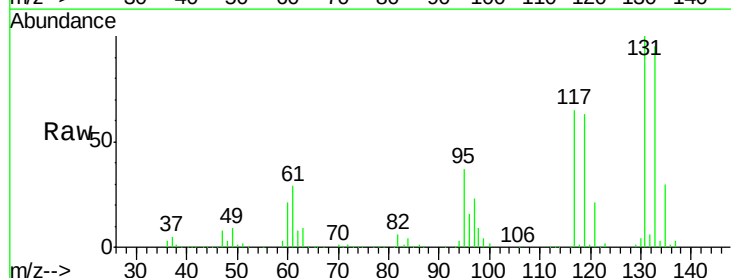
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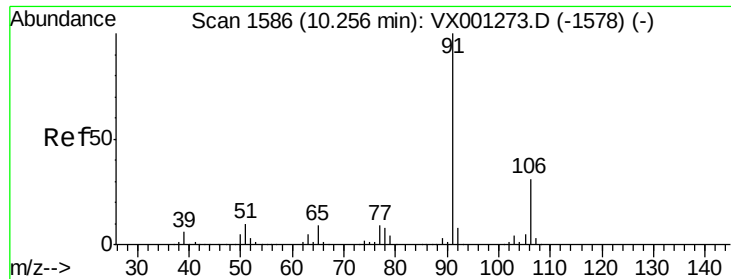
MMDadoda
5/3/2018 12:21:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.53 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion:131 Resp: 105515
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.9
119 64.0 31.2 93.6





#67

Ethyl Benzene

Concen: 47.63 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 463030

Ion Ratio Lower Upper

91 100

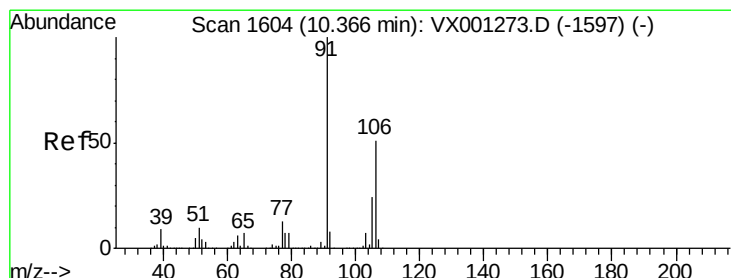
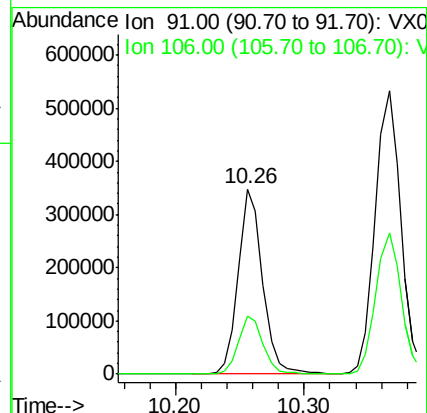
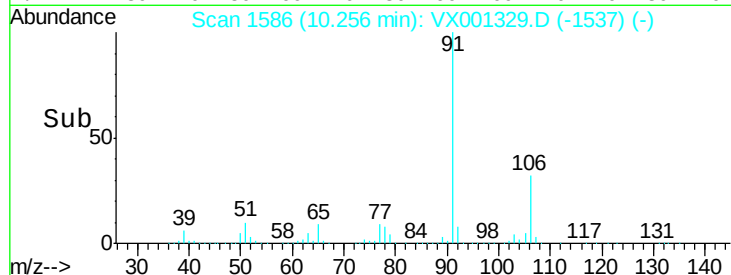
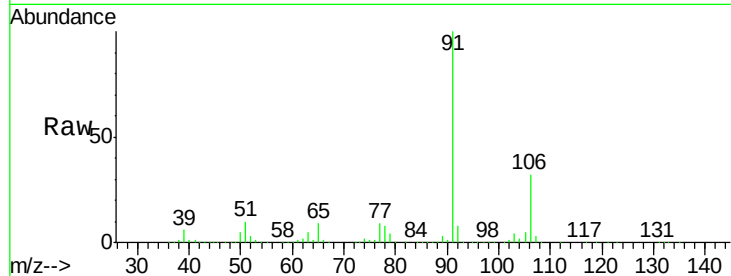
106 31.6 24.9 37.3

Manual Integrations

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MMDadoda

5/3/2018 12:21:20 PM



#68

m/p-Xylenes

Concen: 96.72 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001329.D

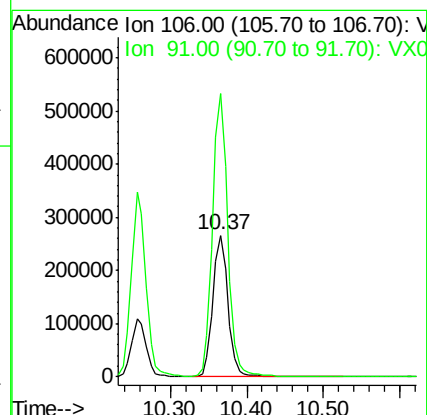
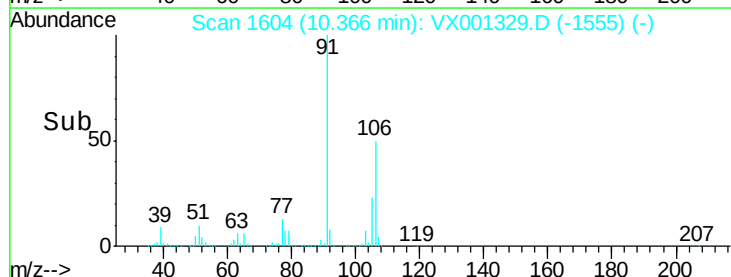
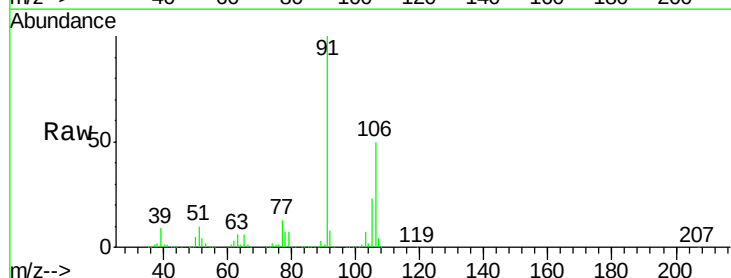
Acq: 02 May 2018 20:42

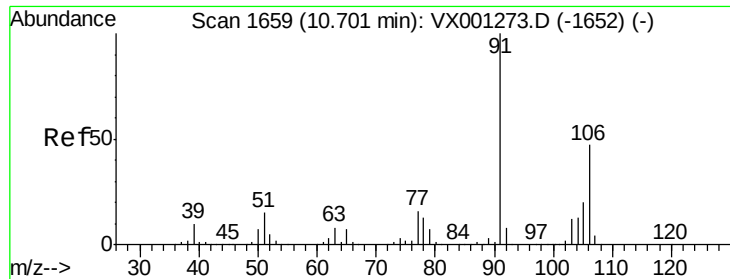
Tgt Ion: 106 Resp: 369960

Ion Ratio Lower Upper

106 100

91 200.6 159.4 239.2





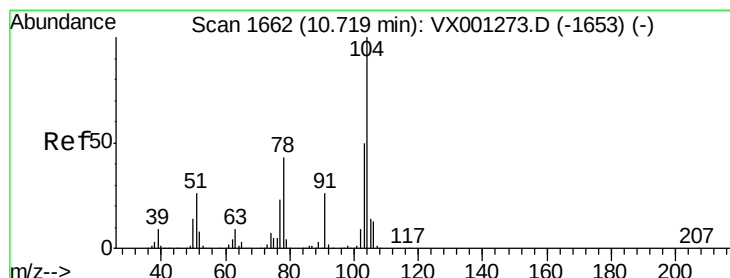
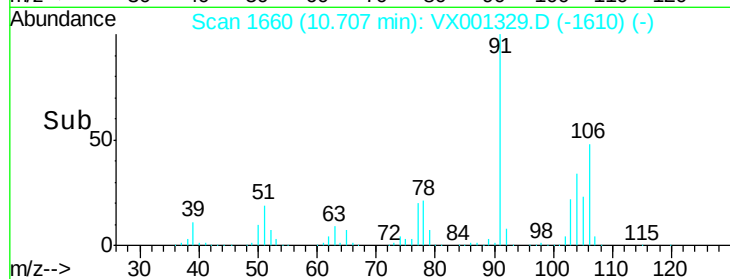
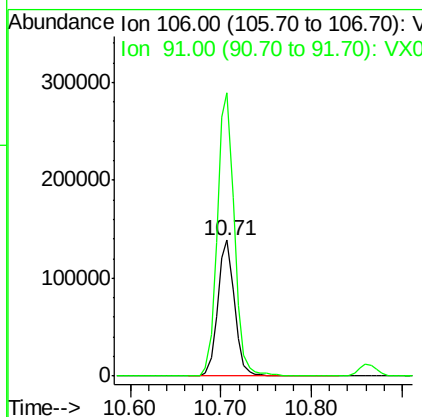
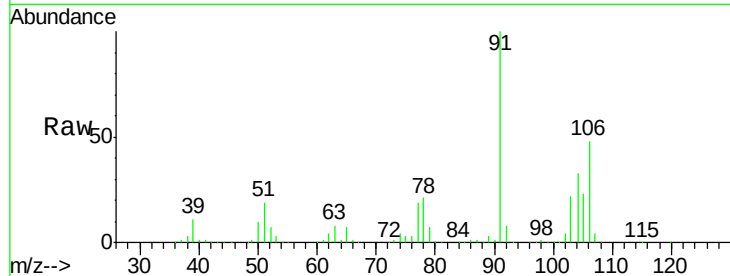
#69
o-Xylene
Concen: 48.70 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		180682		
91	211.6	106.3	319.0		

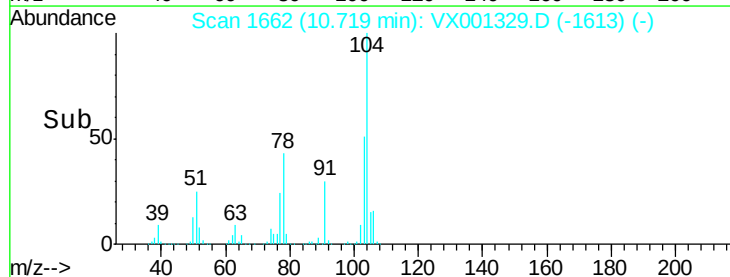
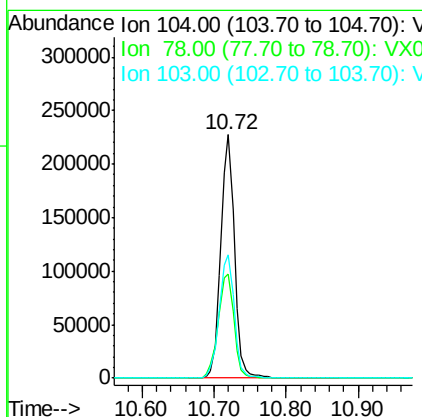
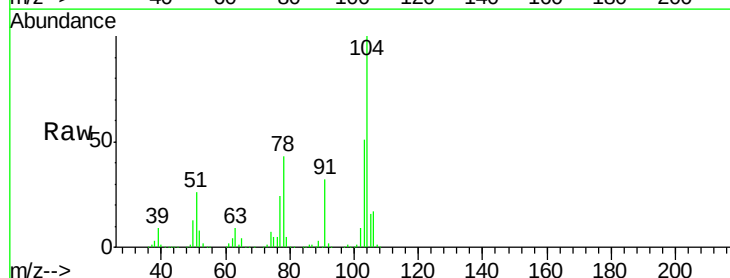
Manual Integrations
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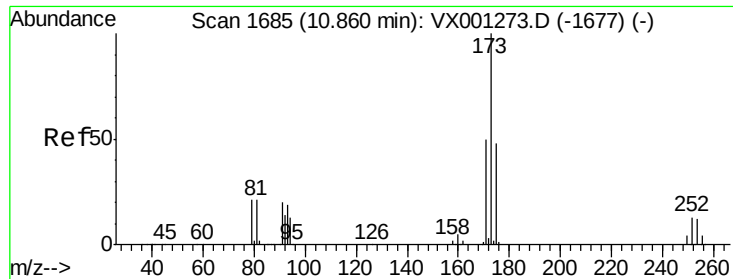
MMDadoda
5/3/2018 12:21:20 PM



#70
Styrene
Concen: 49.45 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		300049		
78	49.5	40.1	60.1		
103	55.9	44.5	66.7		





#71

Bromoform

Concen: 46.57 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

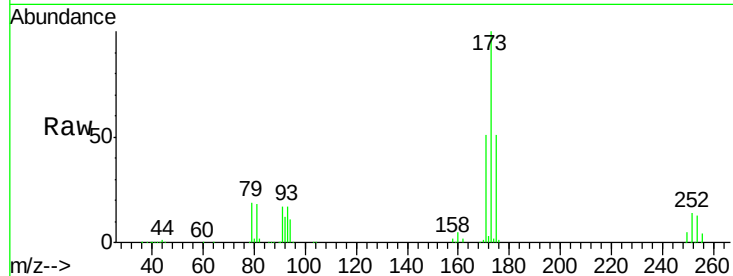
ClientSampleId :

VSTDCCC050EC

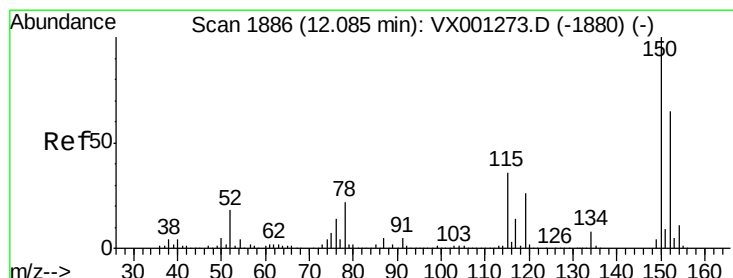
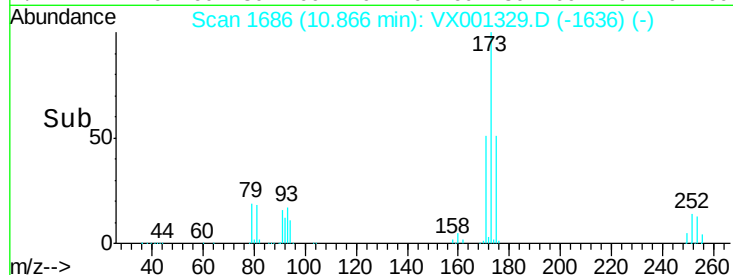
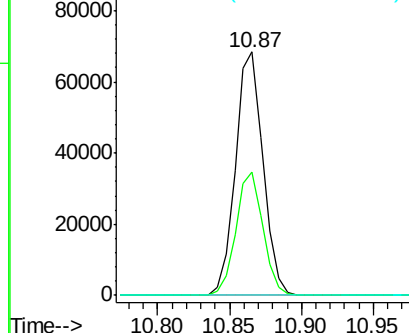
Tot Ion:	173	Resp:	91546
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.6	74.0
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

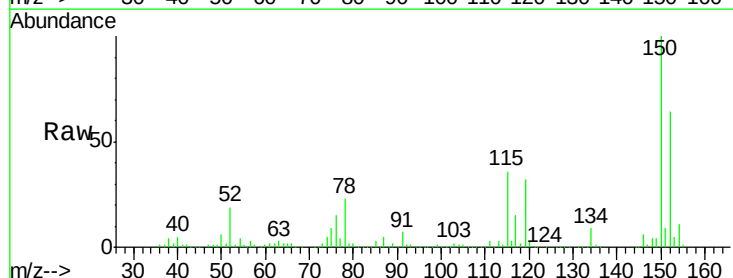
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

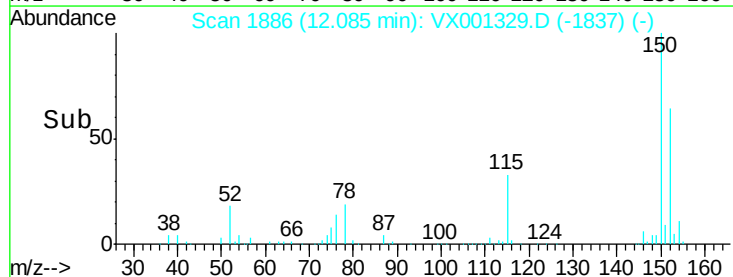
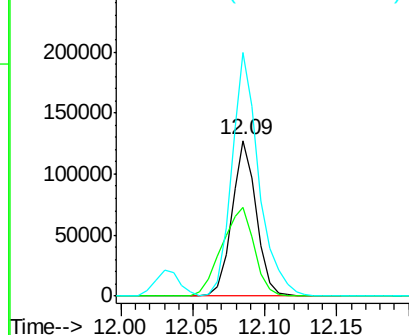
Lab File: VX001329.D

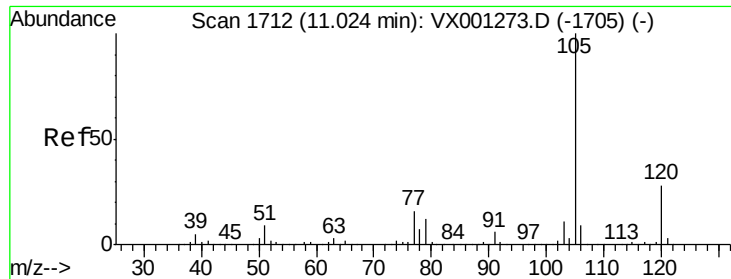
Acq: 02 May 2018 20:42

Tgt Ion:	152	Resp:	150447
Ion Ratio	Lower	Upper	
152	100		
115	76.1	38.6	115.7
150	174.7	0.0	349.2



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





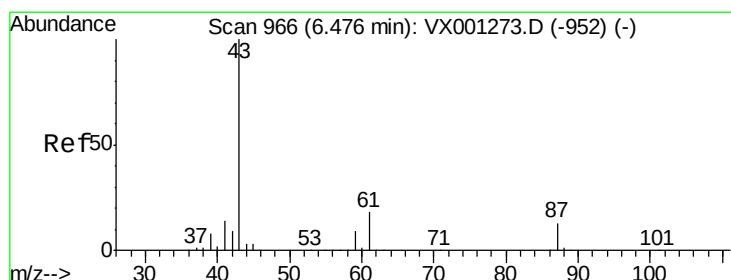
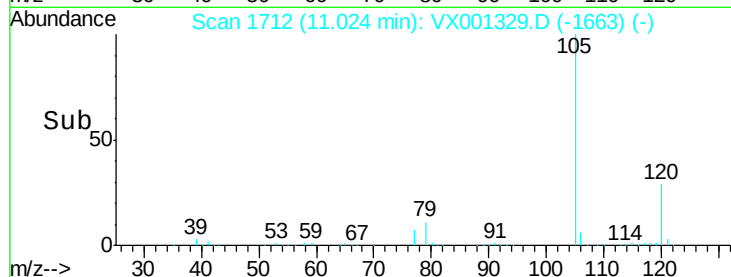
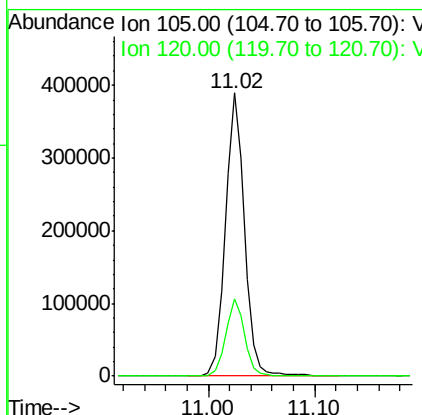
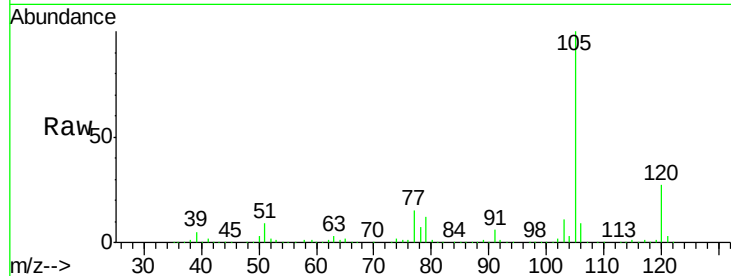
#73
Isopropylbenzene
Concen: 48.27 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 485869
Ion Ratio Lower Upper
105 100
120 27.2 13.7 41.1

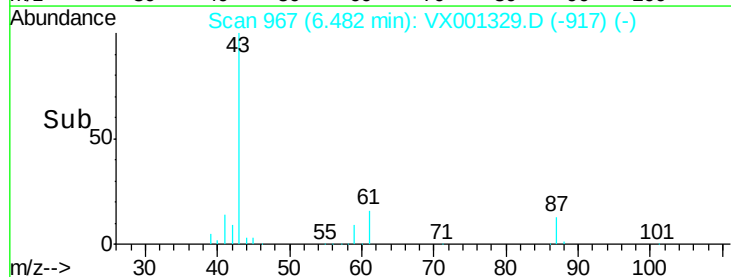
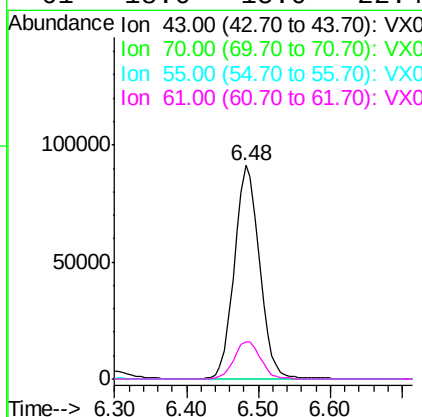
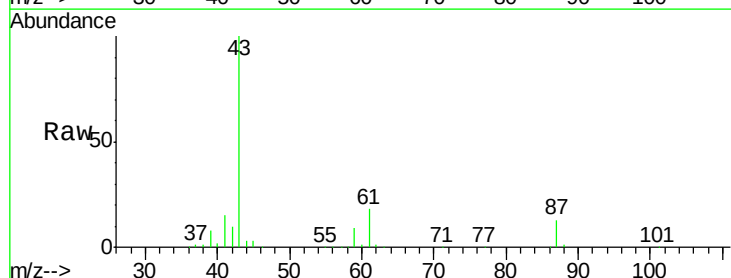
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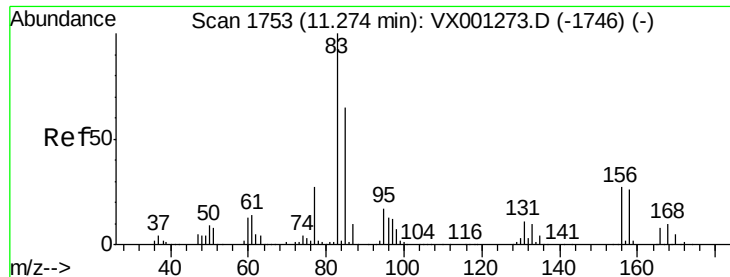
MMDadoda
5/3/2018 12:21:20 PM



#74
N-ethyl acetate
Concen: 51.20 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion: 43 Resp: 221067
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.1 0.1#
61 18.6 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.16 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

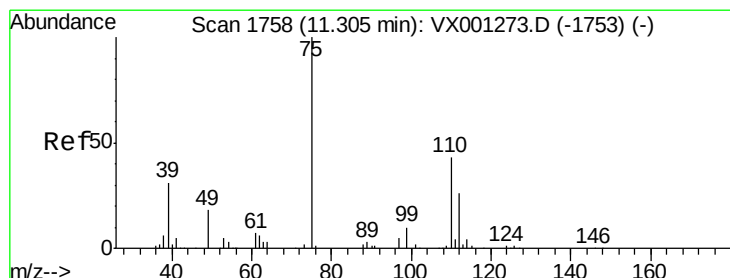
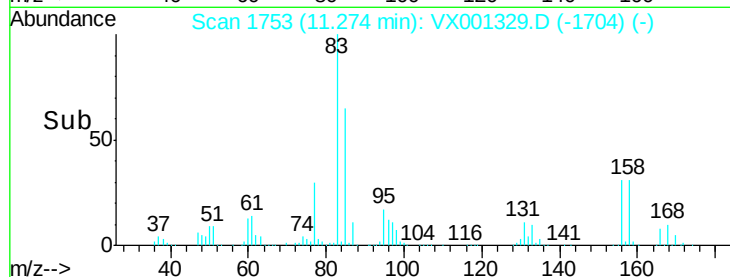
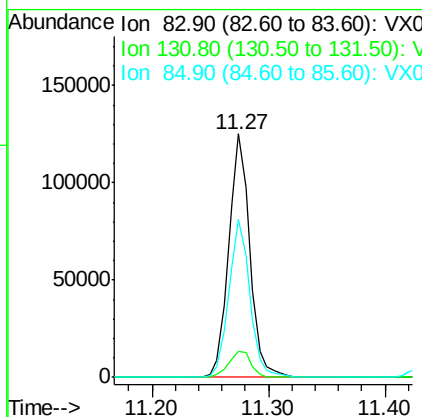
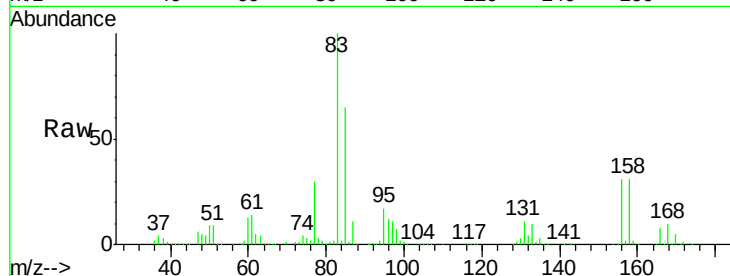
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	157298
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	64.8	32.6	97.7

Manual Integrations
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5/3/2018 12:21:20 PM



#76

1,2,3-Trichloropropane

Concen: 52.02 ug/l m

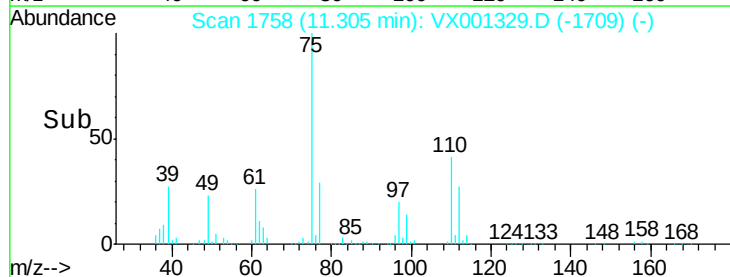
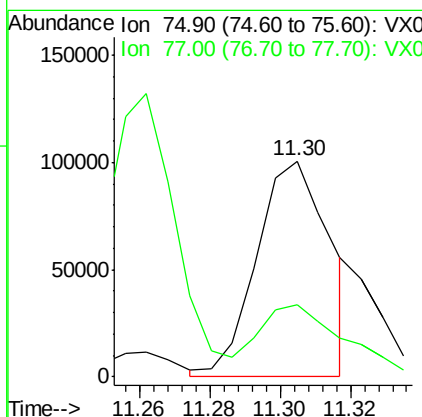
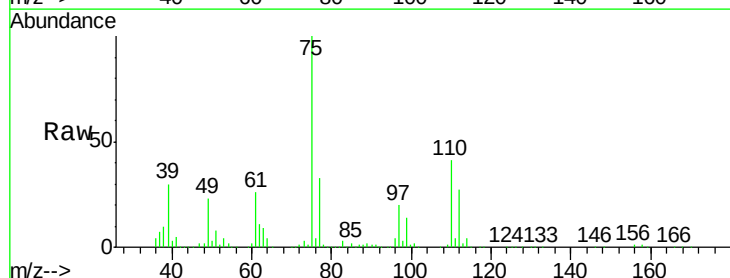
RT: 11.30 min Scan# 1758

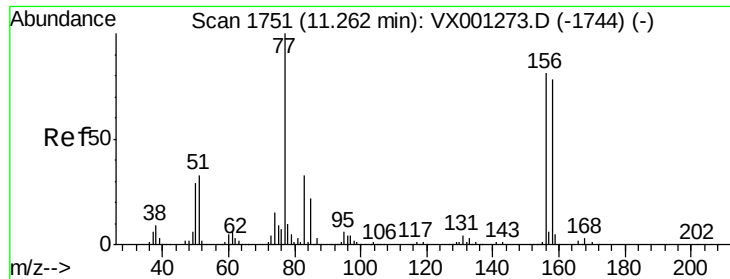
Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion:	75	Resp:	144732
Ion Ratio	Lower	Upper	
75	100		
77	39.0	18.9	56.5





#77

Bromobenzene

Concen: 49.02 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

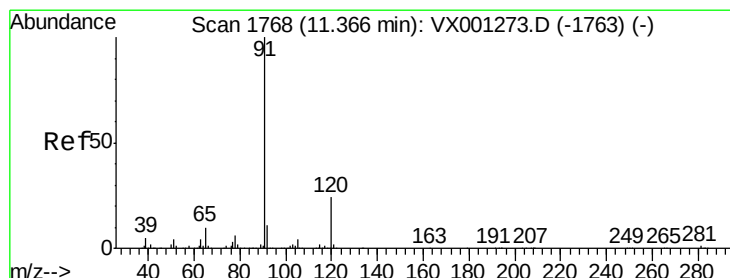
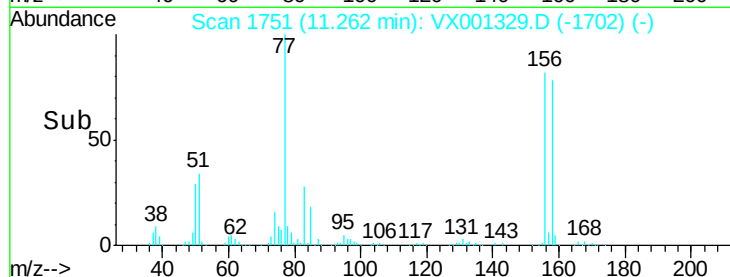
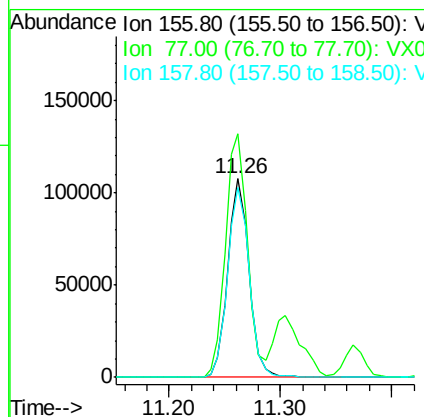
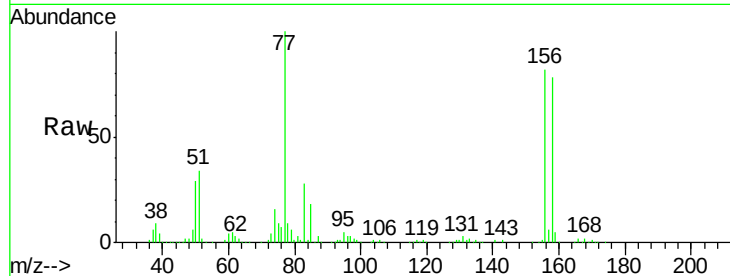
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	142295
Ion Ratio	Lower	Upper	
156	100		
77	127.5	65.3	195.8
158	97.3	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 48.07 ug/l

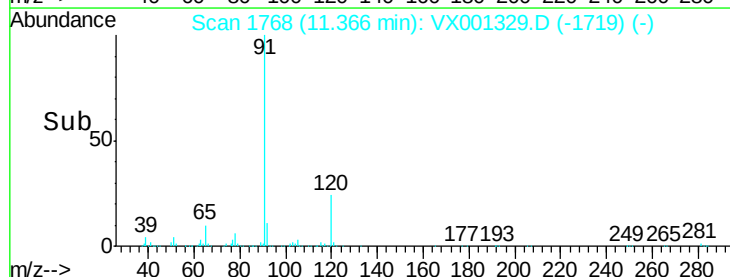
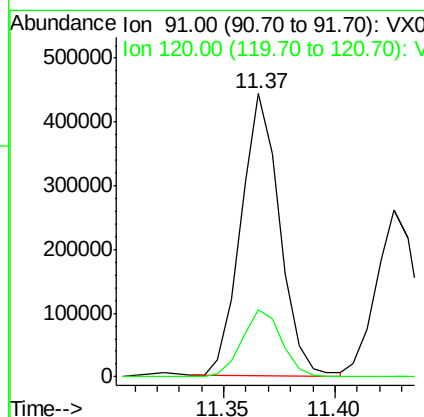
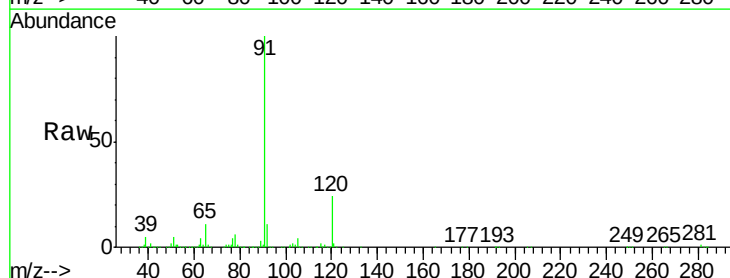
RT: 11.37 min Scan# 1768

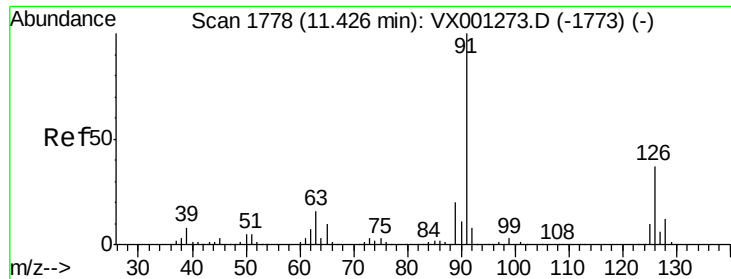
Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Tgt Ion:	91	Resp:	537628
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.8





#79

2-Chlorotoluene

Concen: 48.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 324974

Ion Ratio Lower Upper

91 100

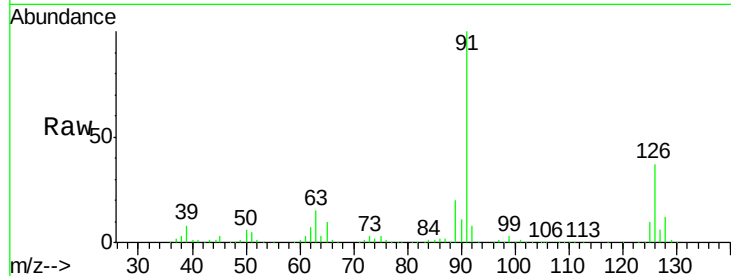
126 37.3 18.4 55.4

Manual Integrations

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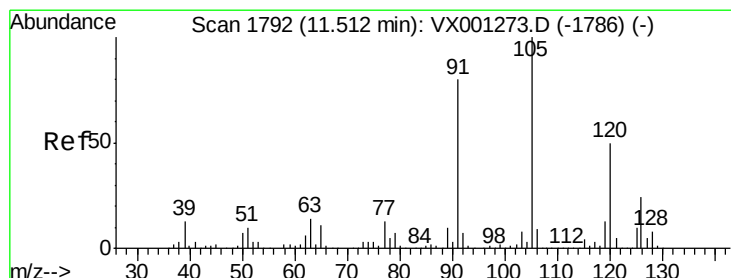
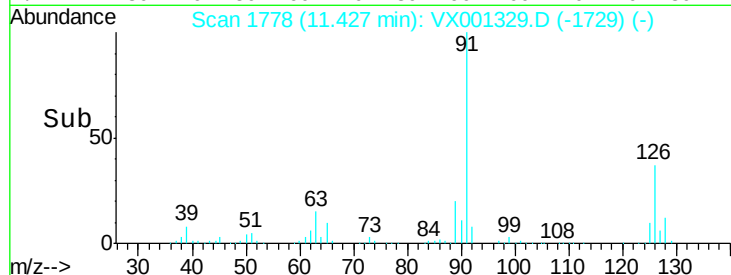
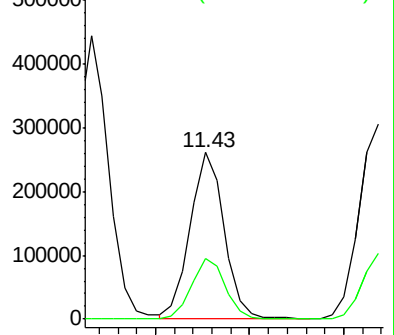
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.59 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001329.D

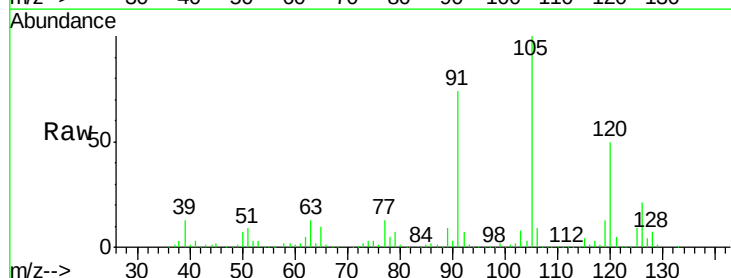
Acq: 02 May 2018 20:42

Tgt Ion: 105 Resp: 419155

Ion Ratio Lower Upper

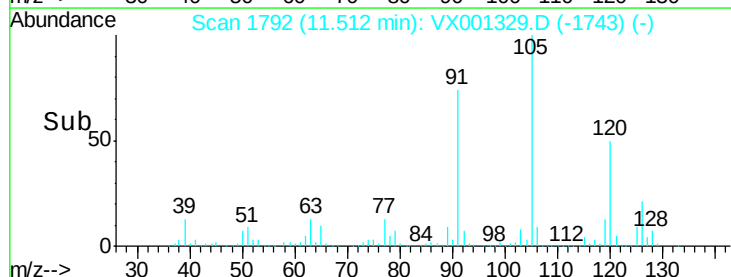
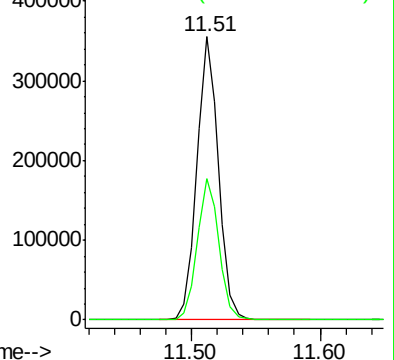
105 100

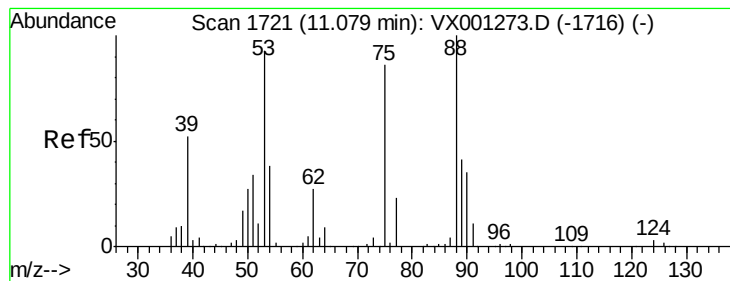
120 50.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 43.99 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 37133

Ion Ratio Lower Upper

75 100

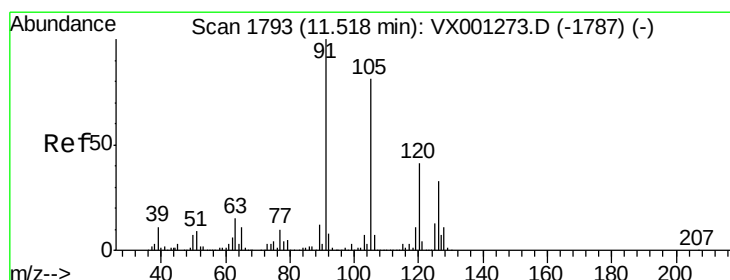
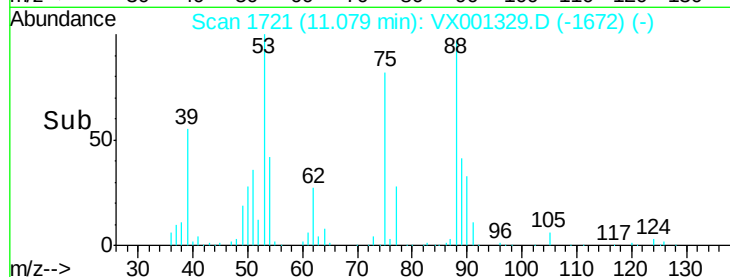
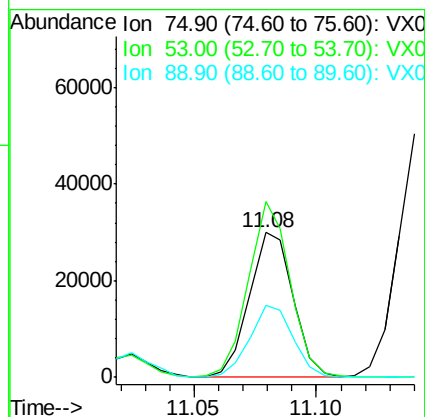
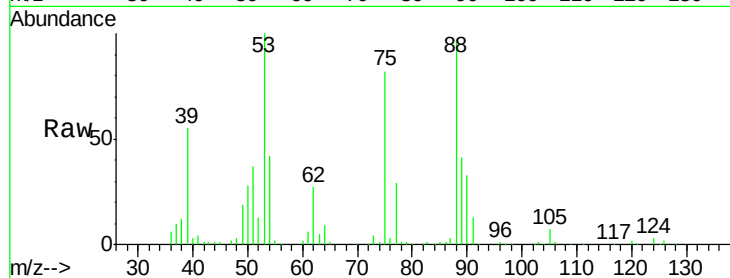
53 116.3 87.1 130.7

89 49.9 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.81 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001329.D

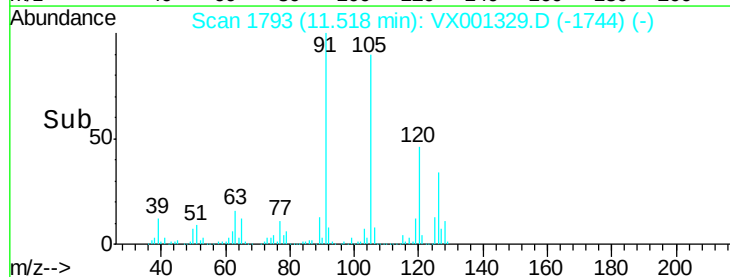
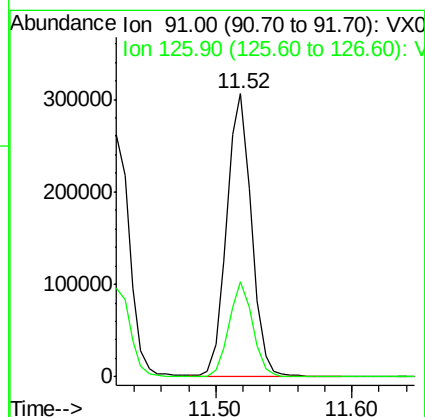
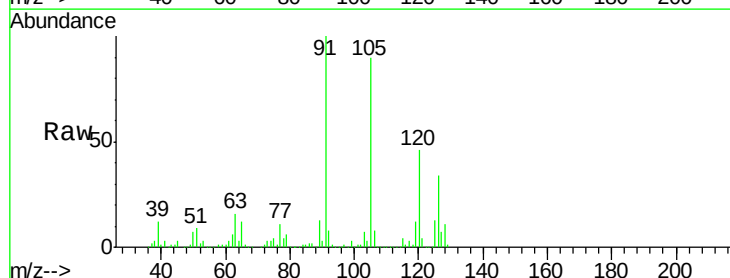
Acq: 02 May 2018 20:42

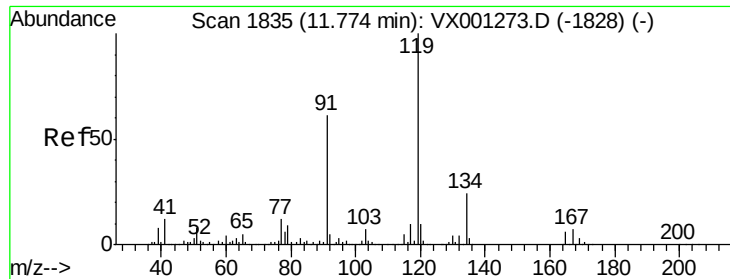
Tgt Ion: 91 Resp: 388150

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2





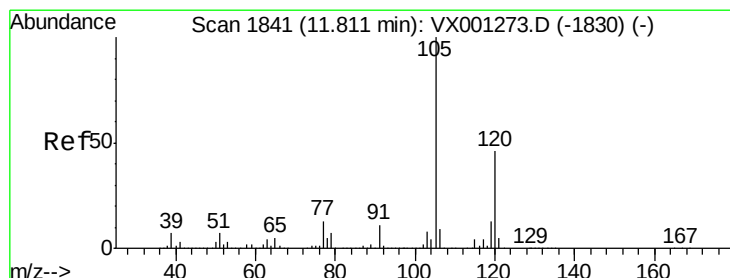
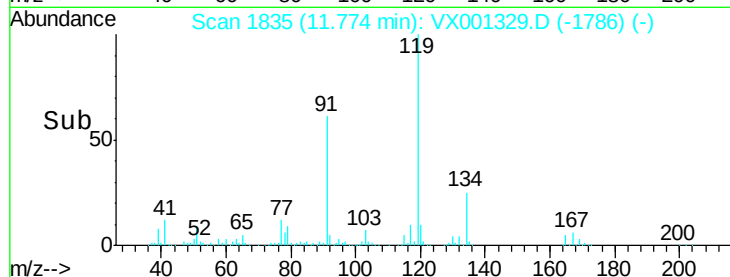
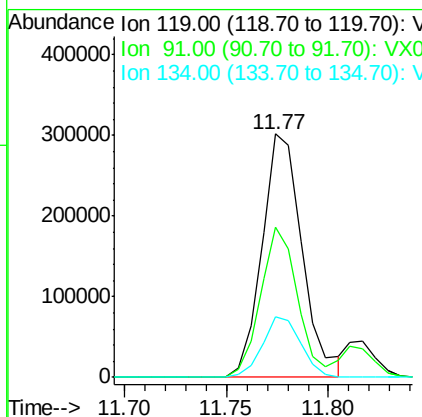
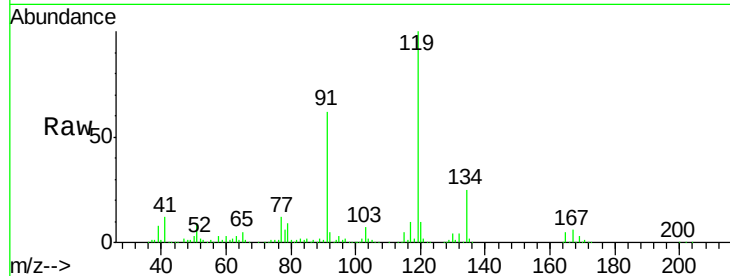
#83
 tert-Butylbenzene
 Concen: 49.33 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	415795		
91	56.4	28.1	84.3	
134	23.7	11.8	35.3	

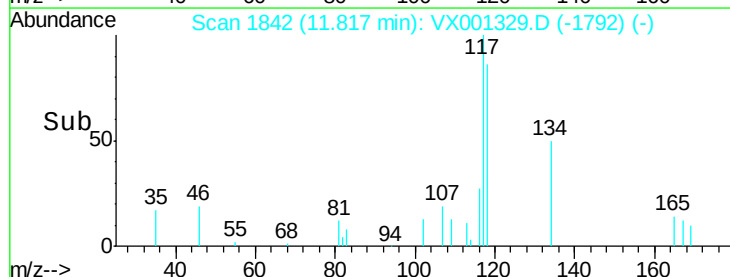
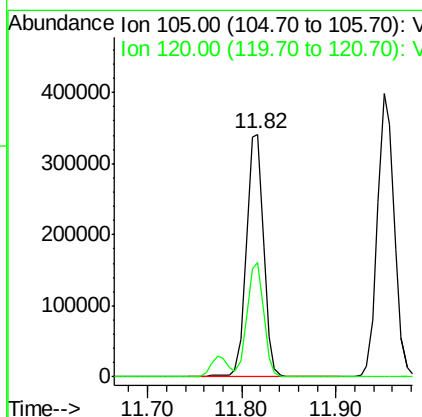
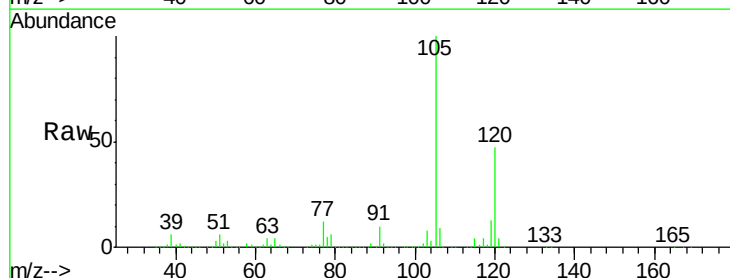
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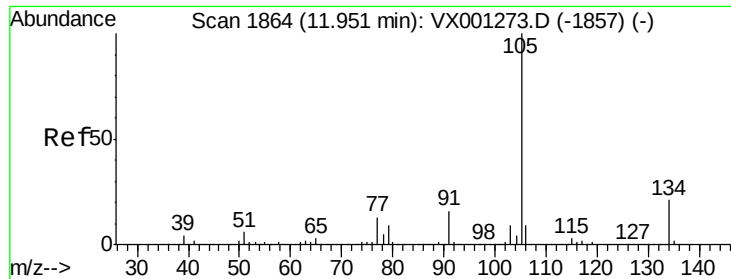
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.93 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	432465		
120	45.6	22.7	68.1	





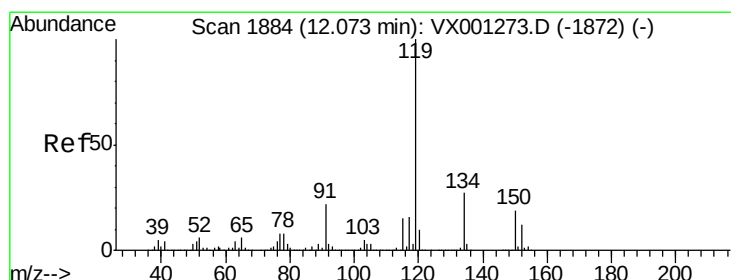
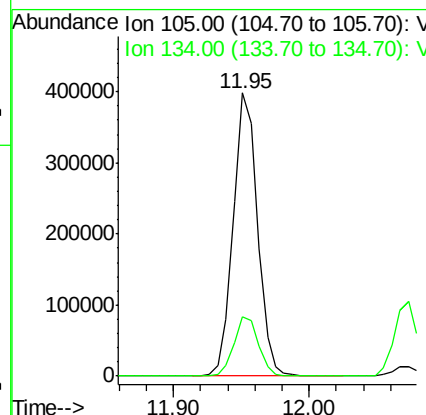
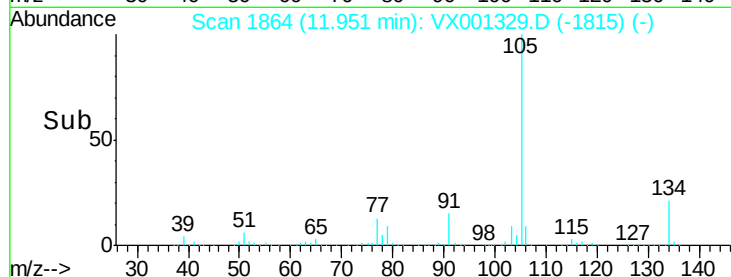
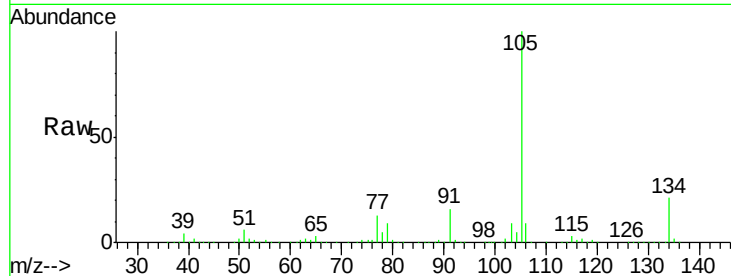
#85
 sec-Butylbenzene
 Concen: 49.02 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 494368
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9

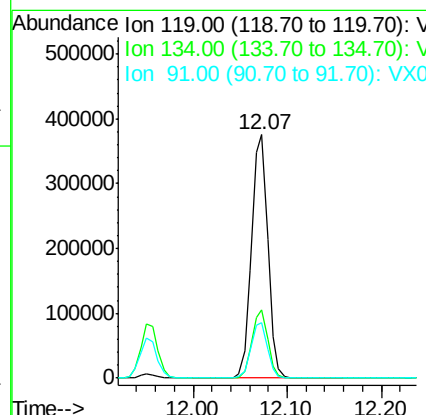
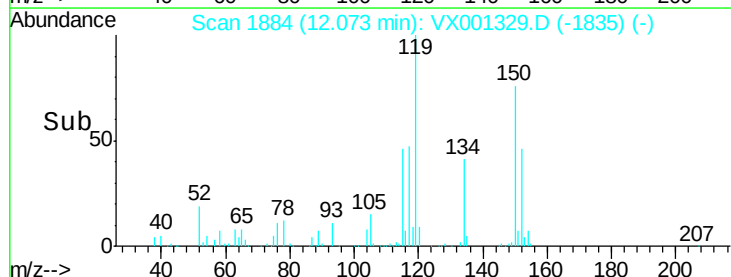
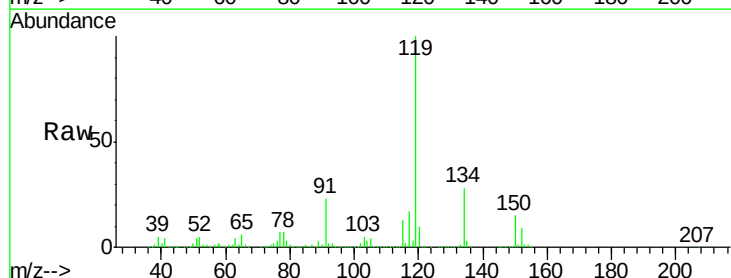
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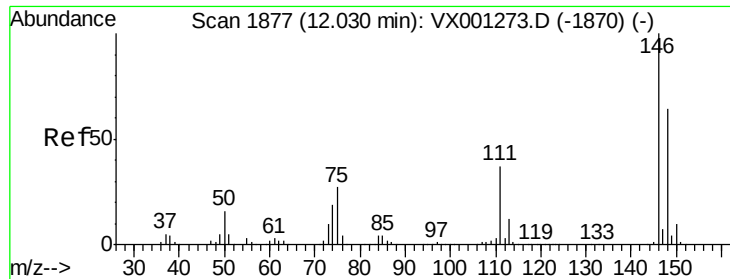
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#86
 p-Isopropyltoluene
 Concen: 49.04 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion:119 Resp: 453659
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.6 40.7
 91 23.1 11.7 35.1





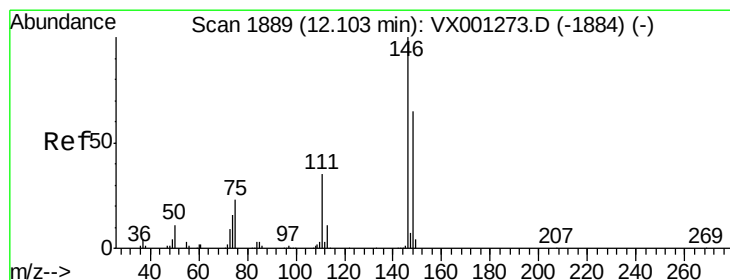
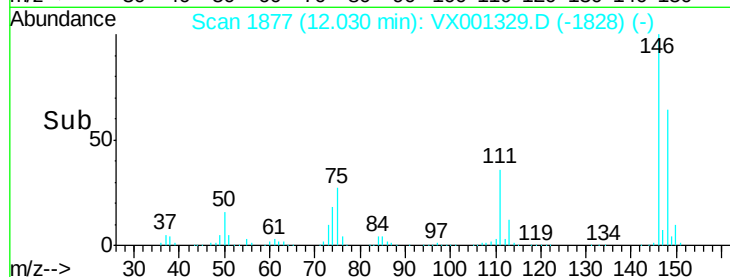
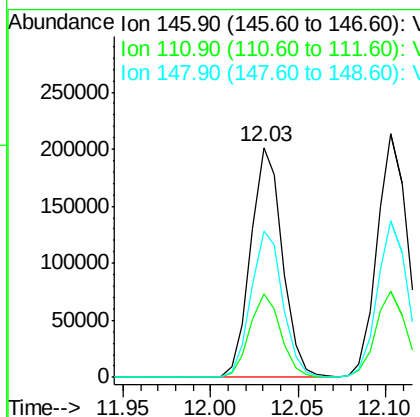
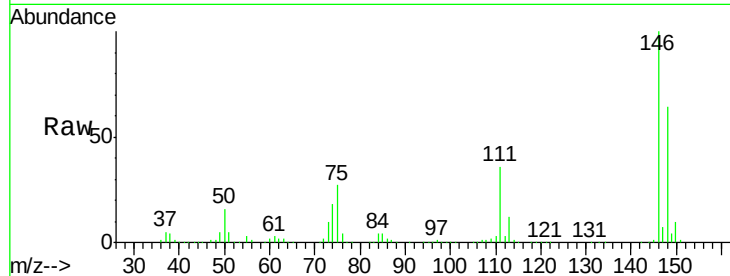
#87
 1,3-Dichlorobenzene
 Concen: 46.82 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.2
148	64.0	32.2	96.6

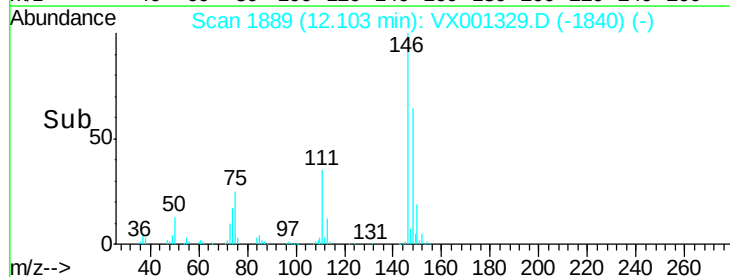
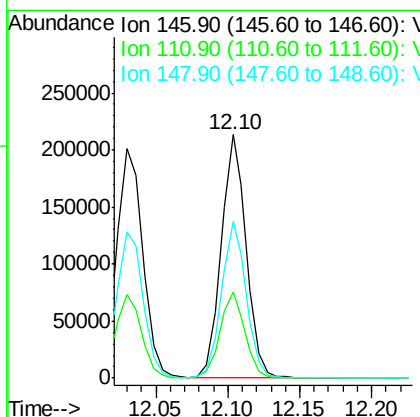
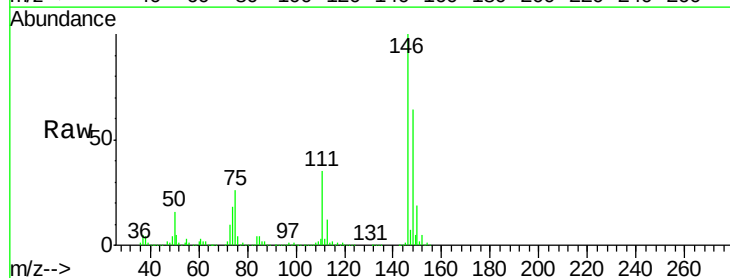
Manual Integrations
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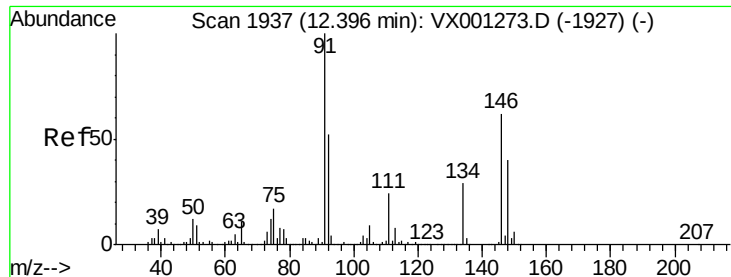
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#88
 1,4-Dichlorobenzene
 Concen: 46.45 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.9	53.7
148	64.0	32.3	96.8





#89

n-Butylbenzene

Concen: 46.75 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001329.D

Acq: 02 May 2018 20:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 377448

Ion Ratio Lower Upper

91 100

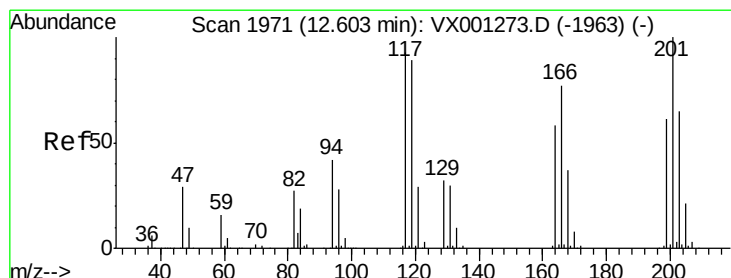
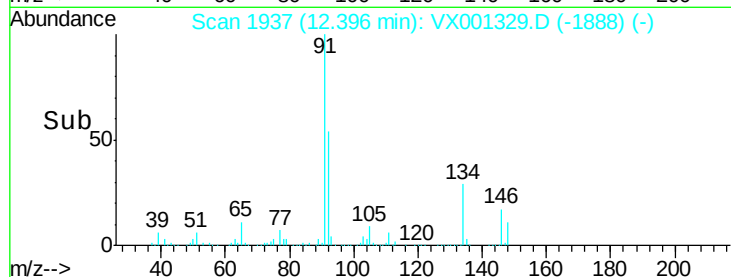
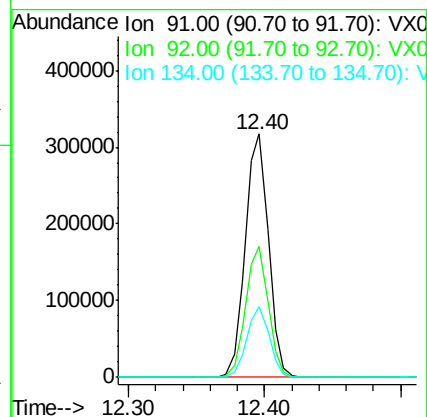
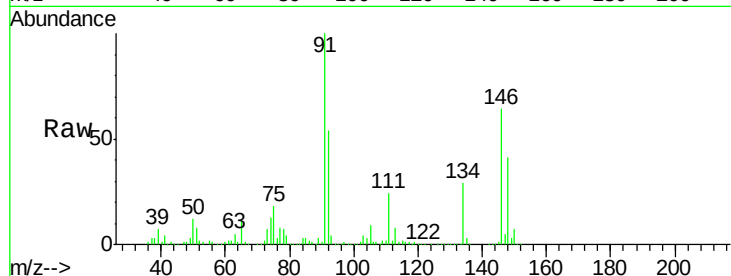
92 52.5 26.2 78.5

134 28.1 14.0 42.0

Manual Integrations
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#90

Hexachloroethane

Concen: 51.55 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001329.D

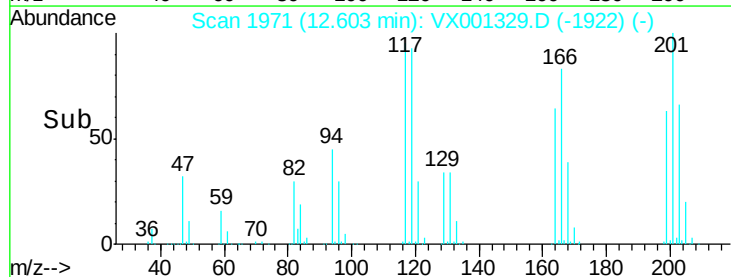
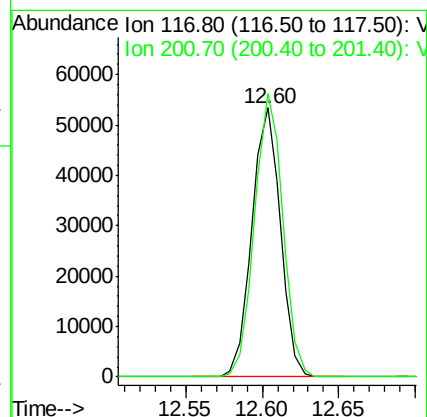
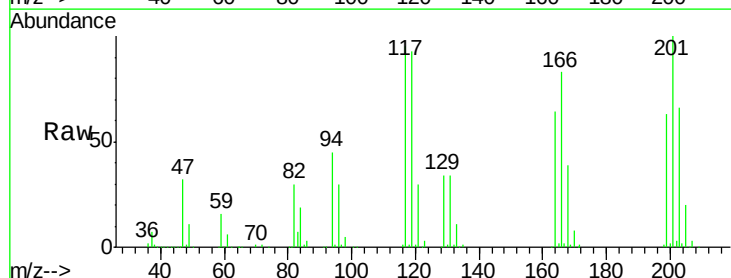
Acq: 02 May 2018 20:42

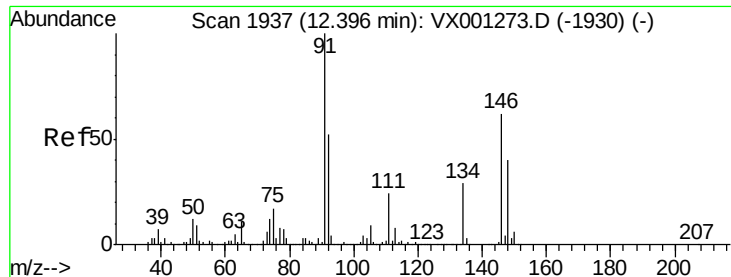
Tgt Ion: 117 Resp: 69061

Ion Ratio Lower Upper

117 100

201 104.6 51.6 154.8





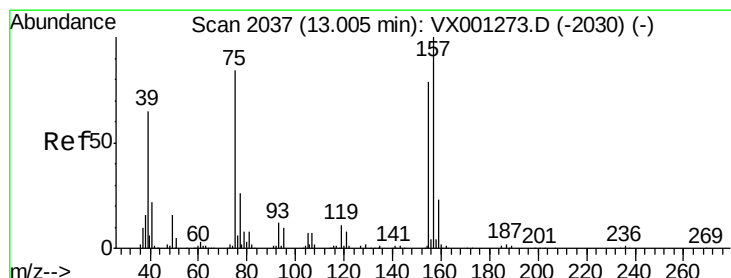
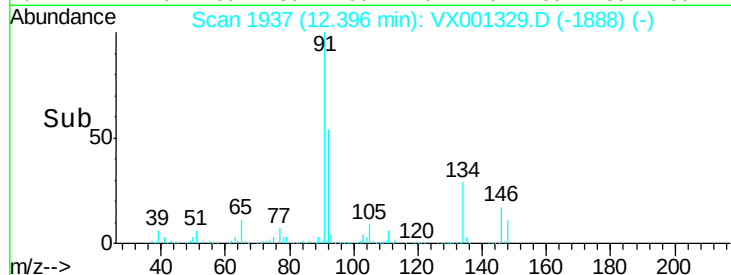
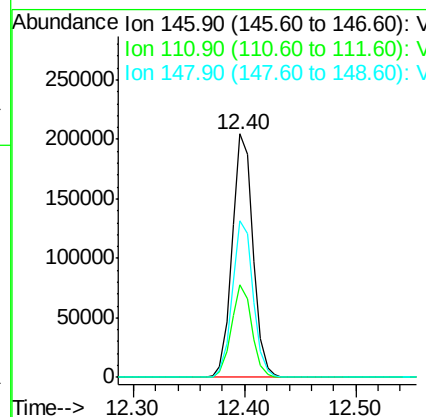
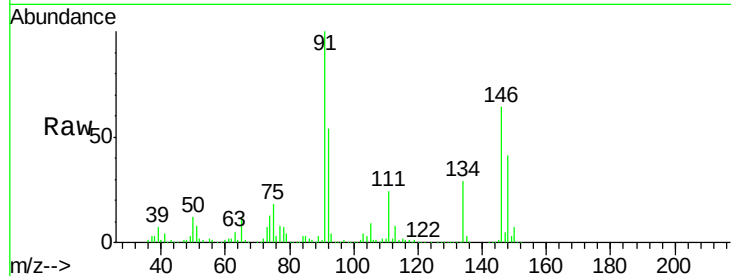
#91
 1,2-Dichlorobenzene
 Concen: 48.78 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	64.1	32.4	97.0

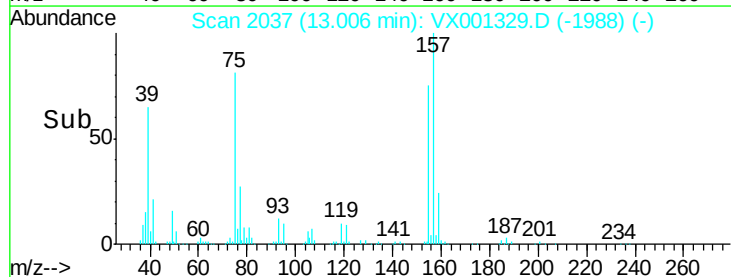
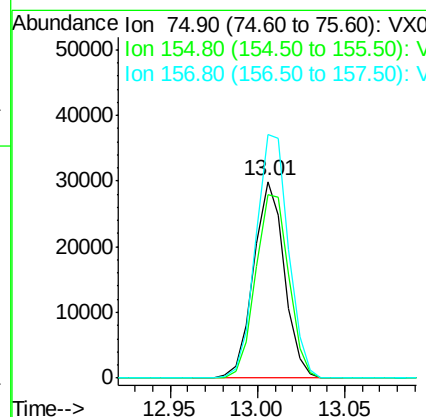
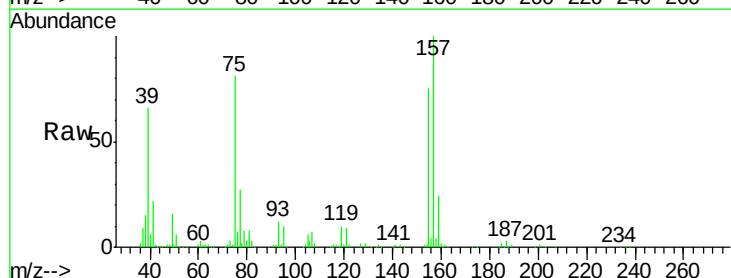
Manual Integrations
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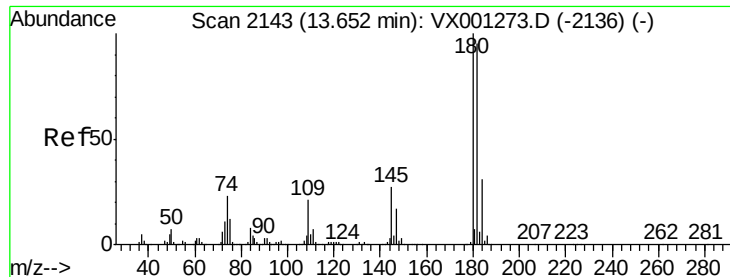
MMDadoda
 5/3/2018 12:21:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.97 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	49.9	149.7
157	131.8	63.7	191.1





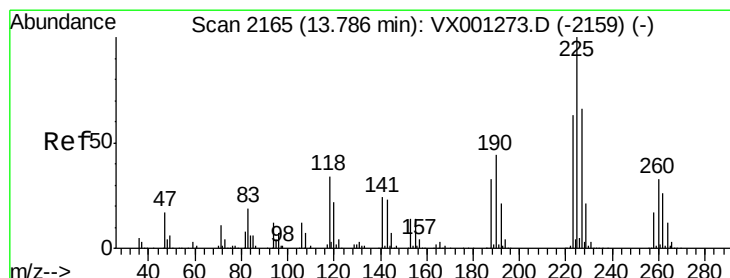
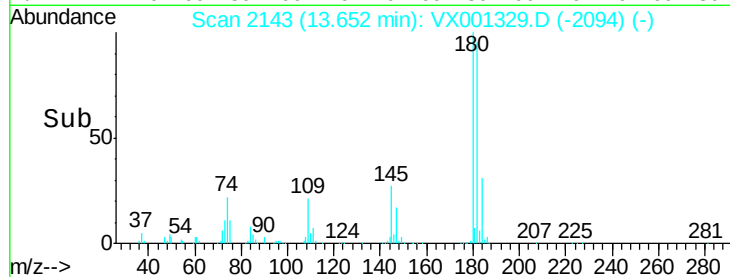
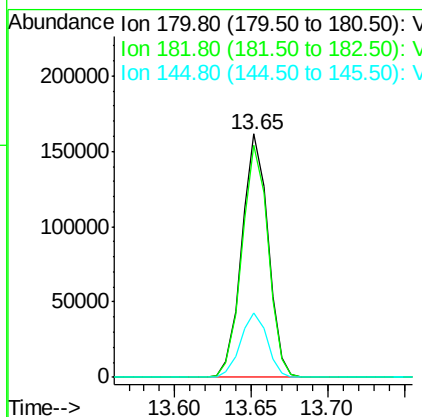
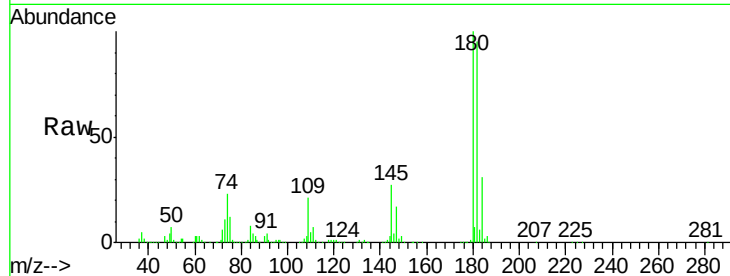
#93
 1,2,4-Trichlorobenzene
 Concen: 44.22 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	191874		
182	95.3	47.3	141.9	
145	27.1	13.5	40.4	

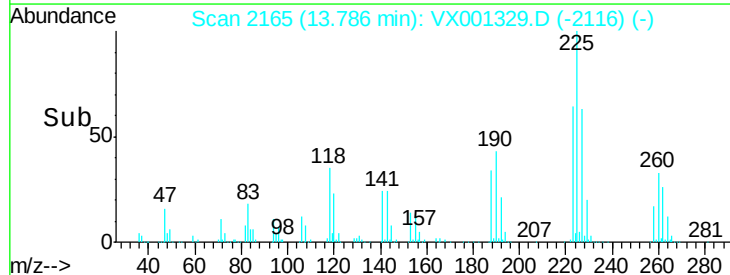
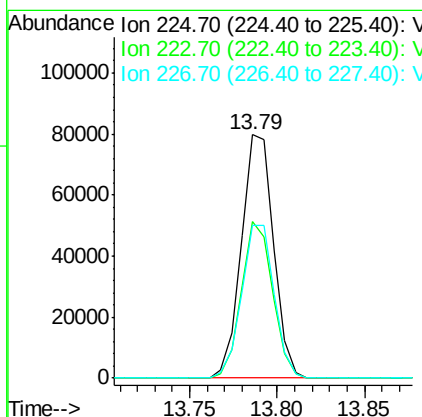
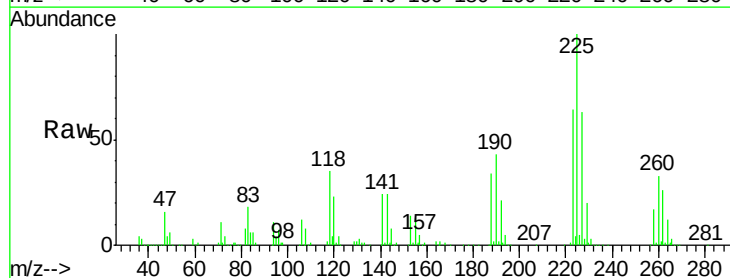
Manual Integrations
 APPROVED

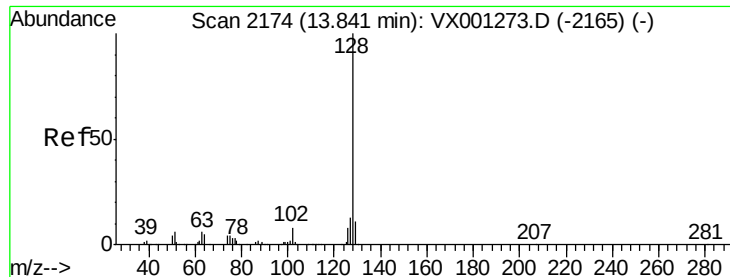
MMDadoda
 5/3/2018 12:21:20 PM



#94
 Hexachlorobutadiene
 Concen: 44.92 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001329.D
 Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101983		
223	62.5	31.4	94.0	
227	63.7	32.5	97.5	





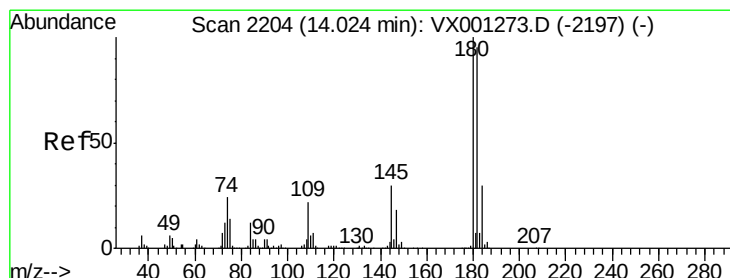
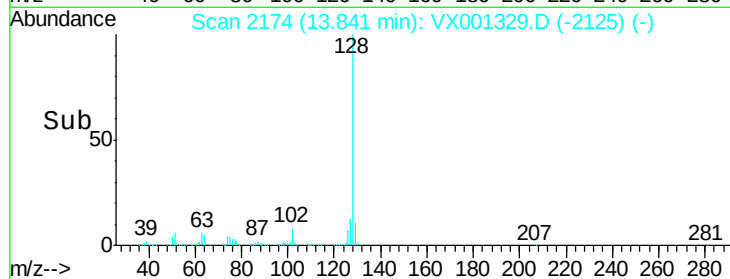
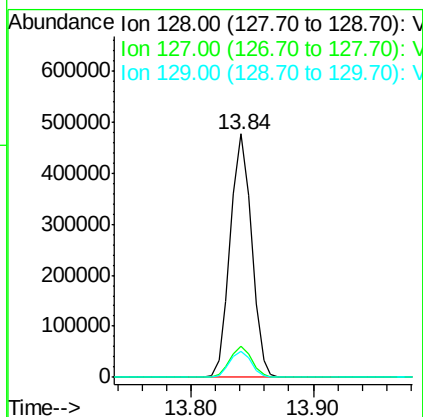
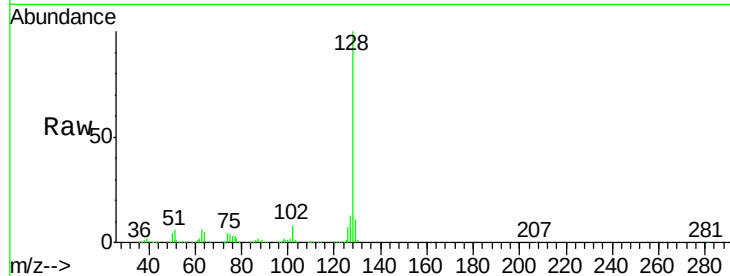
#95
Naphthalene
Concen: 52.14 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/3/2018 12:21:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.35 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX001329.D
Acq: 02 May 2018 20:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.1	144.3
145	28.6	14.4	43.4

