

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001274.D
 Acq On : 01 May 2018 12:46
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
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MMDadoda
 5/2/2018 4:20:53 PM

Quant Time: May 02 01:37:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:17:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	270377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	264365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	267175	84.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.48%	
35) Dibromofluoromethane	5.51	113	225322	100.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.50%	
50) Toluene-d8	8.72	98	854630	100.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.90%	
62) 4-Bromofluorobenzene	11.14	95	345091	104.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	238532	107.32	ug/l	96
3) Chloromethane	1.32	50	209637	92.49	ug/l	99
4) Vinyl Chloride	1.40	62	225339	93.55	ug/l	100
5) Bromomethane	1.64	94	170046	99.81	ug/l	99
6) Chloroethane	1.71	64	140998	93.67	ug/l	98
7) Trichlorofluoromethane	1.92	101	385888	98.28	ug/l	99
8) Diethyl Ether	2.19	74	131440	89.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	213710	98.37	ug/l	99
10) Methyl Iodide	2.51	142	256617	127.27	ug/l	100
11) Tert butyl alcohol	3.09	59	232610	386.61	ug/l	100
12) 1,1-Dichloroethene	2.37	96	195438	93.56	ug/l	99
13) Acrolein	2.30	56	136509	552.23	ug/l	100
14) Allyl chloride	2.73	41	357537	95.02	ug/l	100
15) Acrylonitrile	3.15	53	542574	412.83	ug/l	100
16) Acetone	2.45	43	574845	440.55	ug/l	100
17) Carbon Disulfide	2.57	76	518268	97.46	ug/l	99
18) Methyl Acetate	2.78	43	277100	85.96	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	680967	89.86	ug/l	100
20) Methylene Chloride	2.86	84	215215	88.23	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	208921	90.95	ug/l	97
22) Diisopropyl ether	3.88	45	691966	92.40	ug/l	100
23) Vinyl Acetate	3.83	43	2973683	469.91	ug/l	99
24) 1,1-Dichloroethane	3.70	63	346049	86.91	ug/l	99
25) 2-Butanone	4.71	43	786123	409.66	ug/l	98
26) 2,2-Dichloropropane	4.59	77	318768	101.11	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	232460	92.96	ug/l	100
28) Bromochloromethane	5.03	49	180972	101.21	ug/l	99
29) Tetrahydrofuran	5.17	42	486090	396.29	ug/l	100
30) Chloroform	5.23	83	392048	93.03	ug/l	98
31) Cyclohexane	5.58	56	329475	96.40	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	362126	99.11	ug/l	99
36) 1,1-Dichloropropene	5.81	75	293323	97.54	ug/l	99
37) Ethyl Acetate	4.87	43	301038	85.86	ug/l	100
38) Carbon Tetrachloride	5.79	117	325383	105.08	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:17:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	356865	105.80	ug/l	98
40) Benzene	6.15	78	852755	98.46	ug/l	100
41) Methacrylonitrile	5.07	41	172804	87.74	ug/l	99
42) 1,2-Dichloroethane	6.21	62	328473	95.07	ug/l	100
43) Isopropyl Acetate	6.48	43	513705	92.83	ug/l	100
44) Trichloroethene	7.22	130	257125	99.21	ug/l	97
45) 1,2-Dichloropropane	7.52	63	220523	97.25	ug/l	98
46) Dibromomethane	7.67	93	155970	99.39	ug/l	99
47) Bromodichloromethane	7.90	83	304765	106.78	ug/l	99
48) Methyl methacrylate	7.79	41	274223	93.36	ug/l	99
49) 1,4-Dioxane	7.76	88	97907	1684.46	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1695673	467.69	ug/l	99
52) Toluene	8.79	92	578253	101.93	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	361705	109.15	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	350492	112.74	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	233497	97.85	ug/l	98
56) Ethyl methacrylate	9.19	69	354158	101.28	ug/l	100
57) 1,3-Dichloropropane	9.38	76	373502	96.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	827619	497.17	ug/l	99
59) 2-Hexanone	9.51	43	1351630	474.87	ug/l	100
60) Dibromochloromethane	9.59	129	274520	113.90	ug/l	99
61) 1,2-Dibromoethane	9.68	107	253921	101.82	ug/l	100
64) Tetrachloroethene	9.34	164	276709	95.84	ug/l	99
65) Chlorobenzene	10.15	112	681064	97.89	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	256481	106.57	ug/l	99
67) Ethyl Benzene	10.26	91	1145105	100.75	ug/l	99
68) m/p-Xylenes	10.37	106	919824	204.65	ug/l	100
69) o-Xylene	10.70	106	449741	103.60	ug/l	99
70) Styrene	10.72	104	757172	104.97	ug/l	100
71) Bromoform	10.87	173	238987	114.39	ug/l	100
73) Isopropylbenzene	11.02	105	1216055	95.62	ug/l	100
74) N-amyl acetate	6.48	43	513705	82.09	ug/l #	100
75) 1,1,1,2-Tetrachloroethane	11.27	83	372794	89.82	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	351075m	90.22	ug/l	
77) Bromobenzene	11.26	156	351151	93.44	ug/l	99
78) n-propylbenzene	11.37	91	1375826	97.09	ug/l	99
79) 2-Chlorotoluene	11.43	91	817109	93.28	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1057182	98.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	110411	112.64	ug/l	97
82) 4-Chlorotoluene	11.52	91	1001766	96.06	ug/l	99
83) tert-Butylbenzene	11.77	119	1069397	99.58	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1075995	97.36	ug/l	99
85) sec-Butylbenzene	11.95	105	1255968	99.45	ug/l	100
86) p-Isopropyltoluene	12.07	119	1164796	99.41	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	646530	95.72	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	659659	93.66	ug/l	99
89) n-Butylbenzene	12.40	91	1040579	102.45	ug/l	100
90) Hexachloroethane	12.60	117	185880	111.67	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	649782	95.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	84123	92.83	ug/l	99

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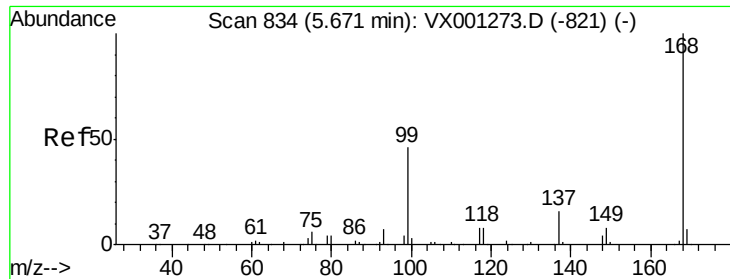
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed May 02 01:17:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	517720	96.50	ug/l	99
94) Hexachlorobutadiene	13.79	225	265409	103.30	ug/l	100
95) Naphthalene	13.84	128	1364062	92.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	507227	95.19	ug/l	100

(#) = 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: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 206031

Ion Ratio Lower Upper

168 100

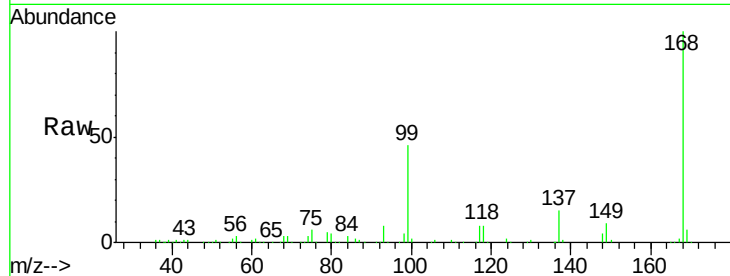
99 46.0 36.5 54.7

Manual Integrations

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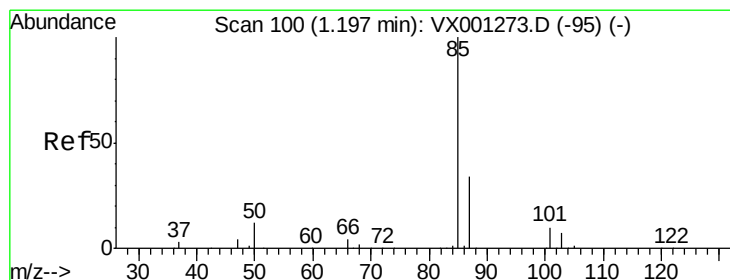
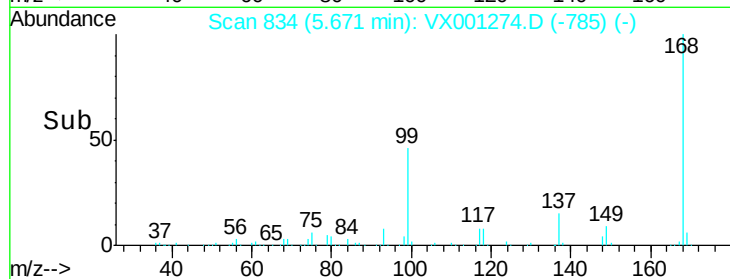
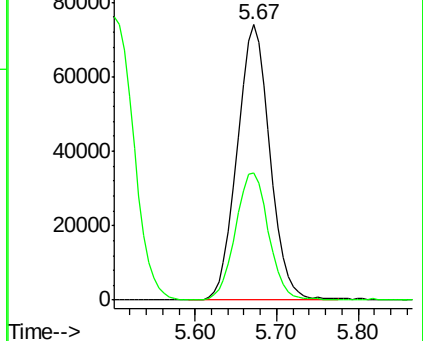
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 107.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001274.D

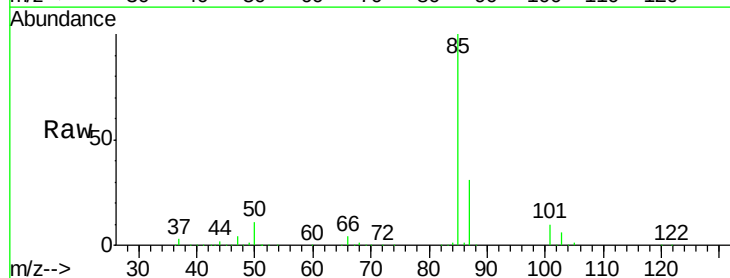
Acq: 01 May 2018 12:46

Tgt Ion: 85 Resp: 238532

Ion Ratio Lower Upper

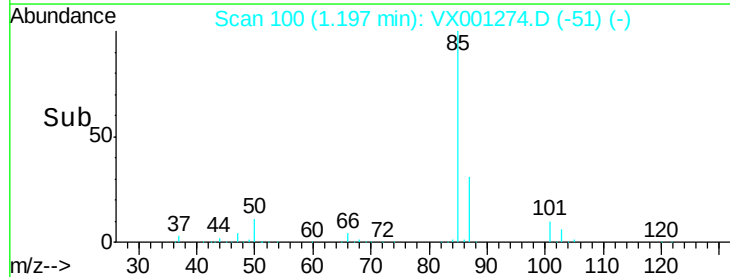
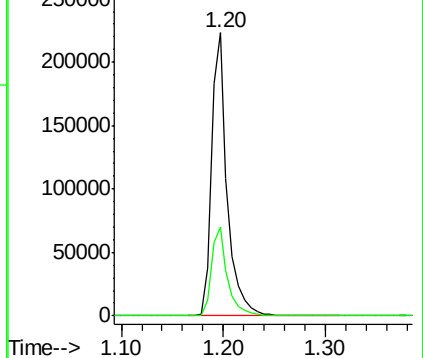
85 100

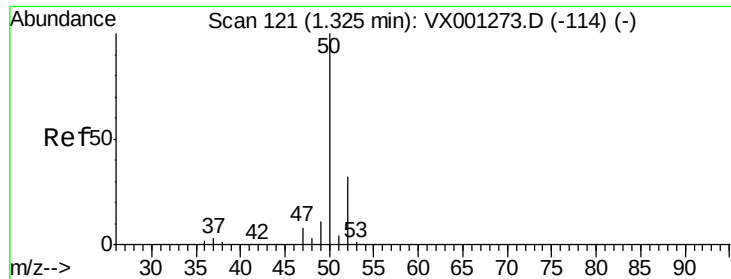
87 31.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 92.49 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 209637

Ion Ratio Lower Upper

50 100

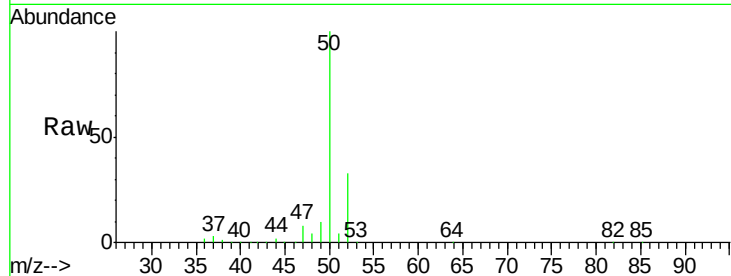
52 32.8 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200000

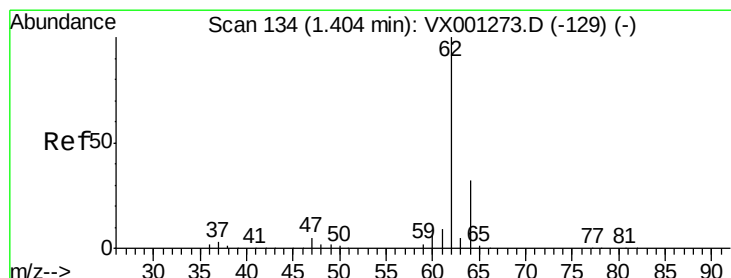
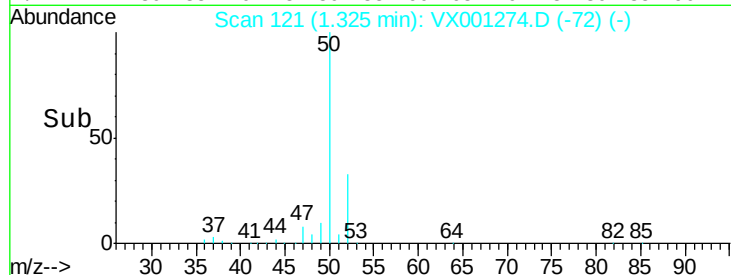
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 93.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001274.D

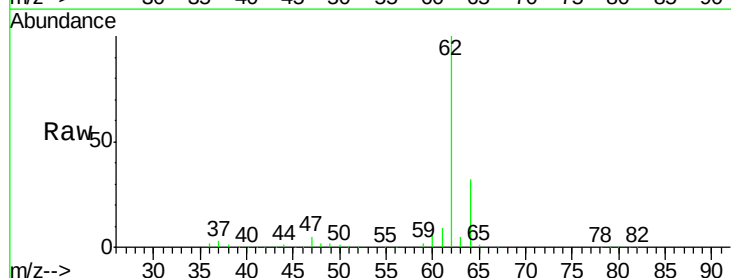
Acq: 01 May 2018 12:46

Tgt Ion: 62 Resp: 225339

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

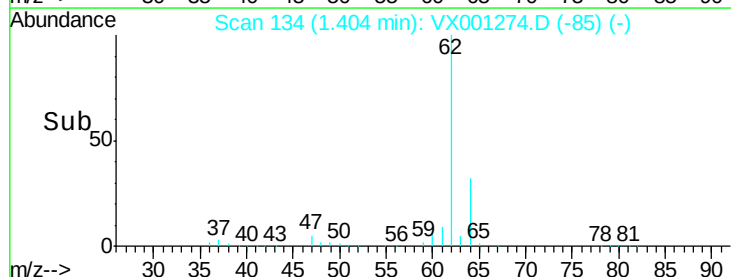
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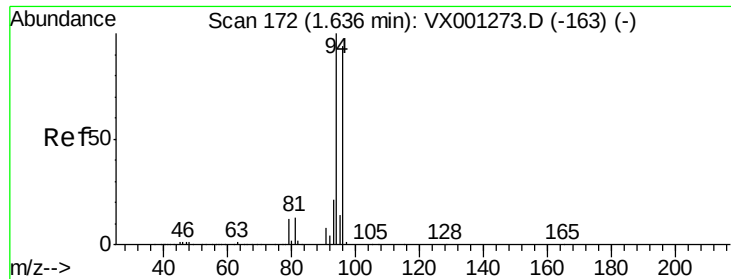
100000

50000

0

Time-->





#5

Bromomethane

Concen: 99.81 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 170046

Ion Ratio Lower Upper

94 100

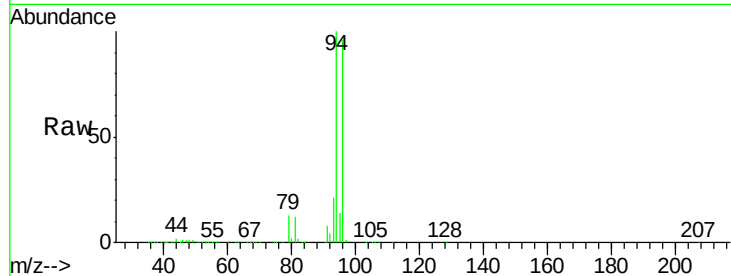
96 95.6 75.6 113.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200000

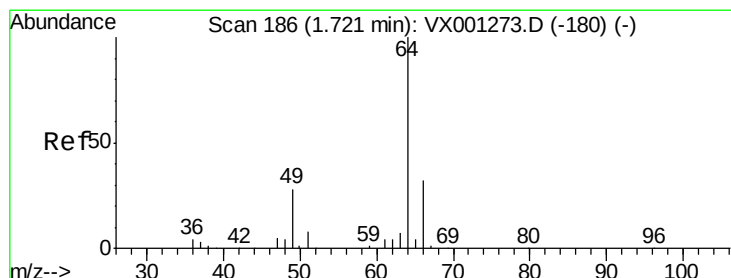
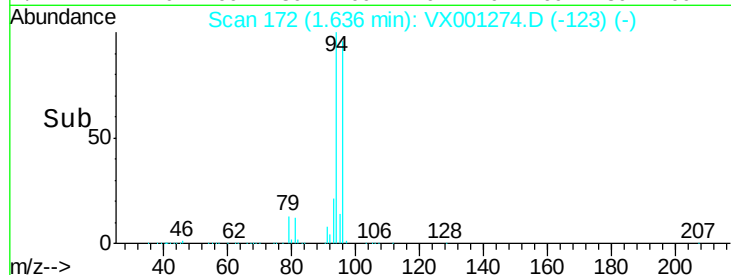
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 93.67 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001274.D

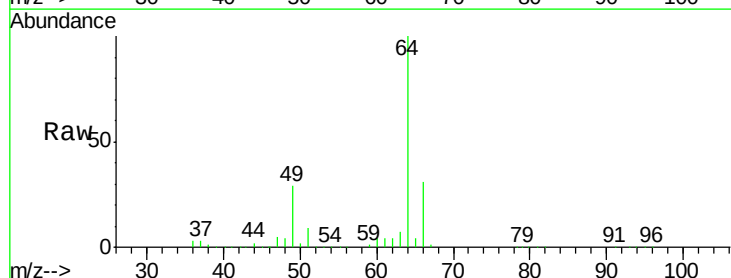
Acq: 01 May 2018 12:46

Tgt Ion: 64 Resp: 140998

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

120000

100000

80000

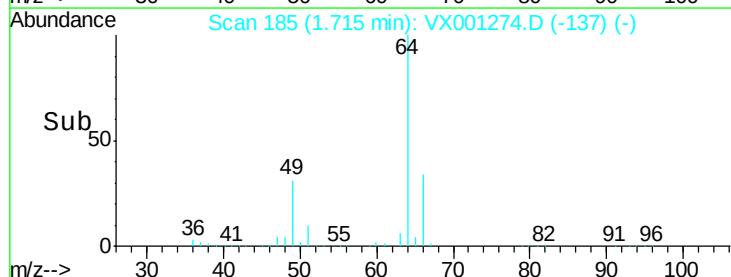
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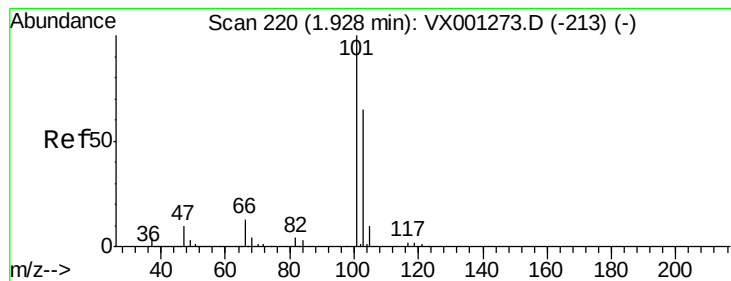
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20000

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Time-->





#7

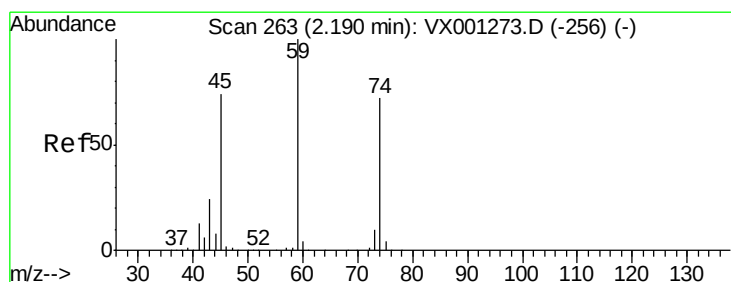
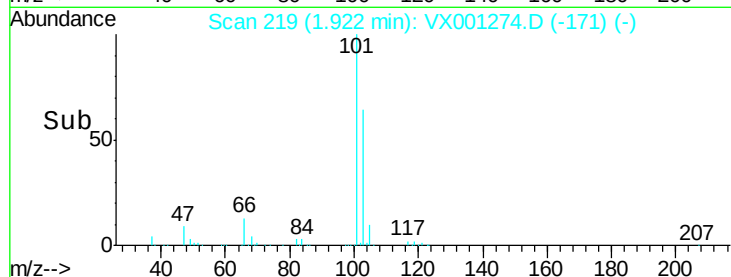
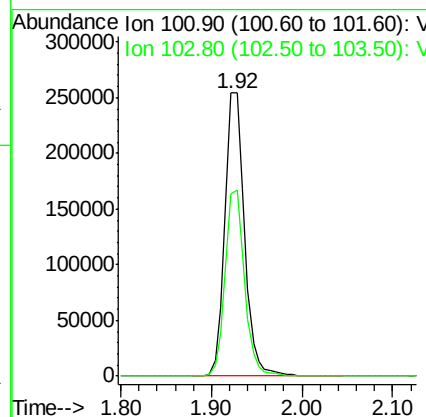
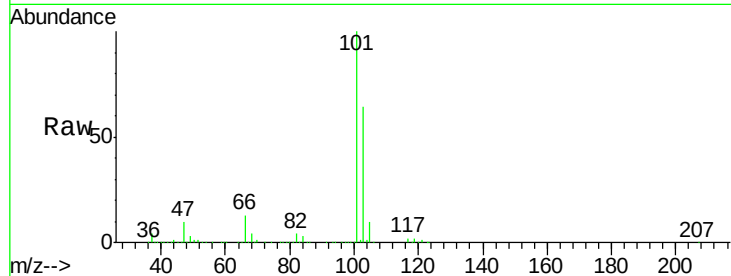
Trichlorofluoromethane
 Concen: 98.28 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.8

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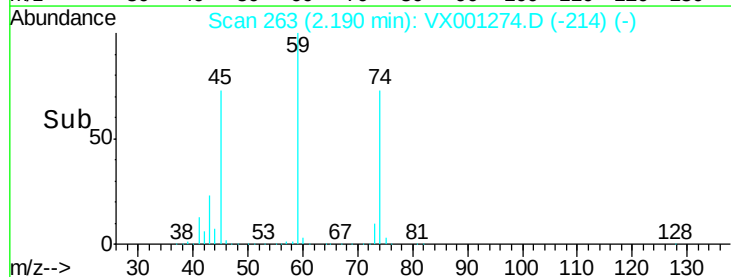
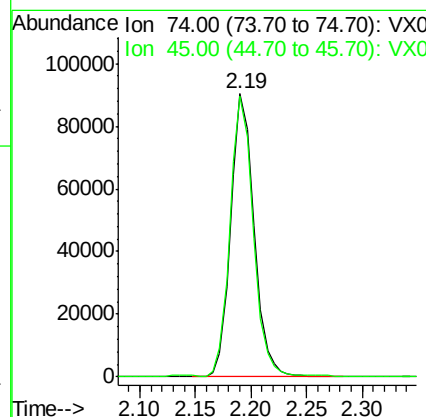
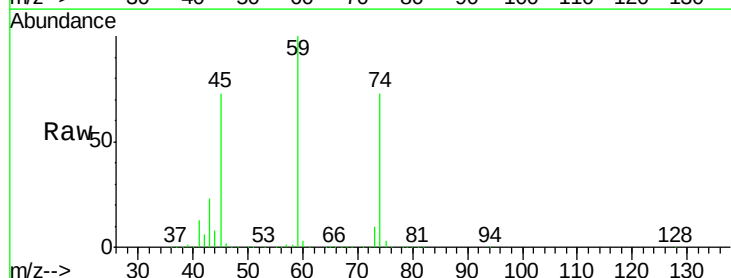
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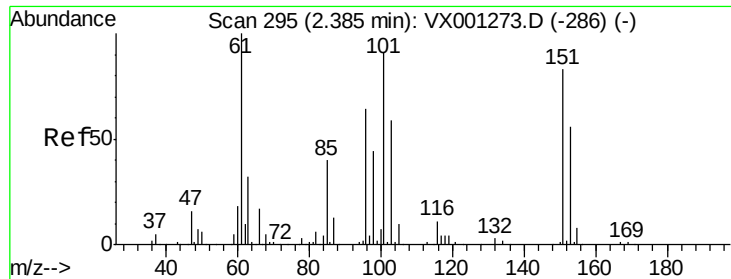


#8

Diethyl Ether
 Concen: 89.14 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.37 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

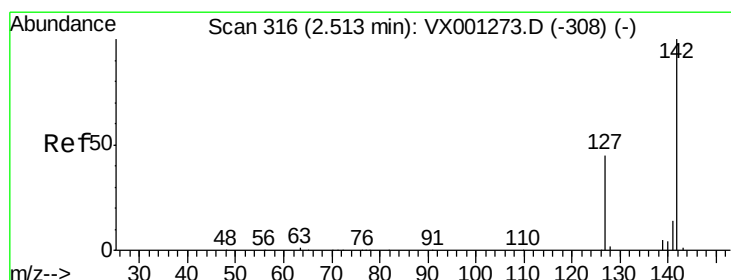
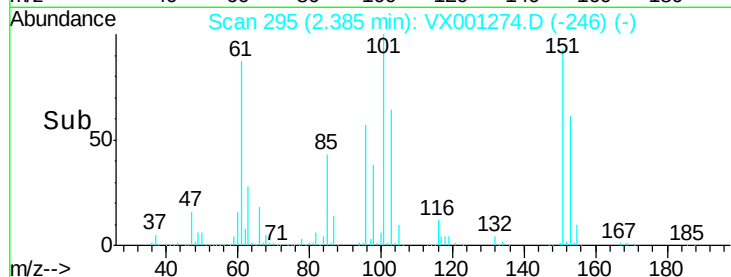
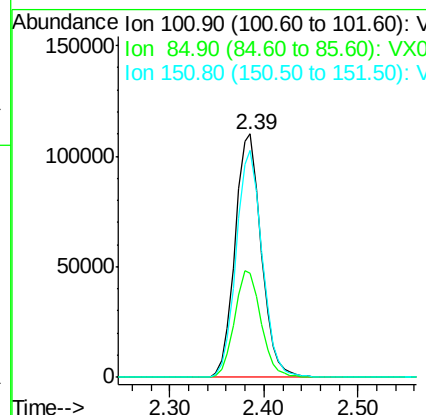
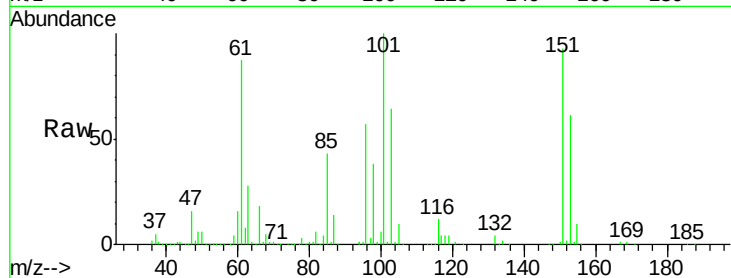
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	213710
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	92.4	74.8	112.2

Manual Integrations
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#10

Methyl Iodide

Concen: 127.27 ug/l

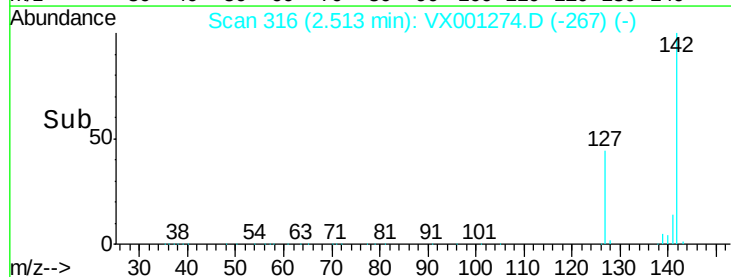
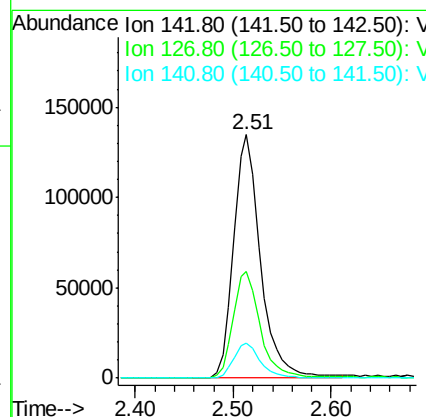
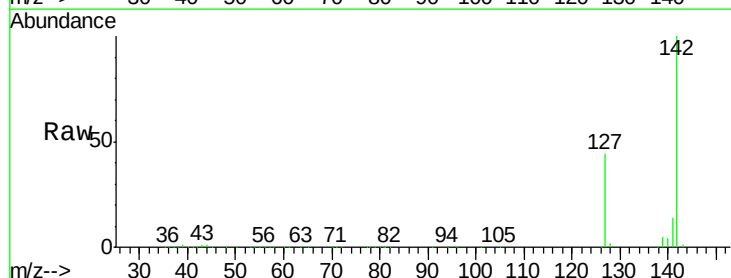
RT: 2.51 min Scan# 316

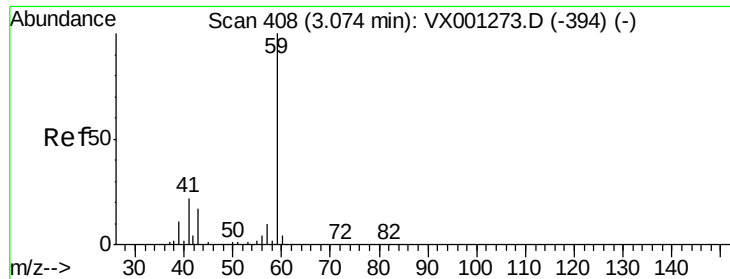
Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion:	142	Resp:	256617
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.7	53.5
141	14.6	11.4	17.0





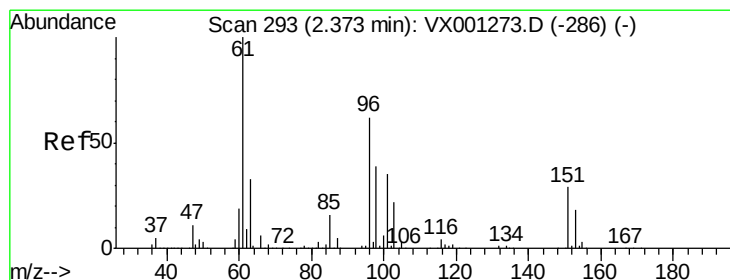
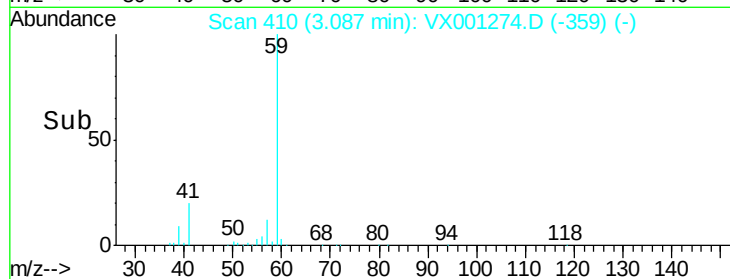
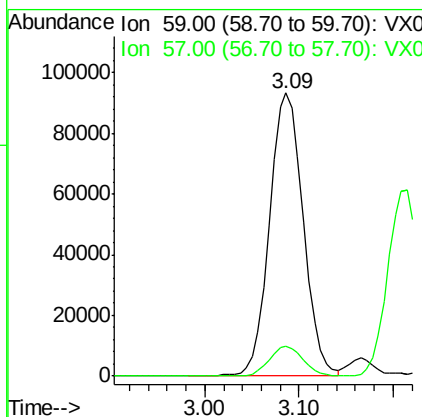
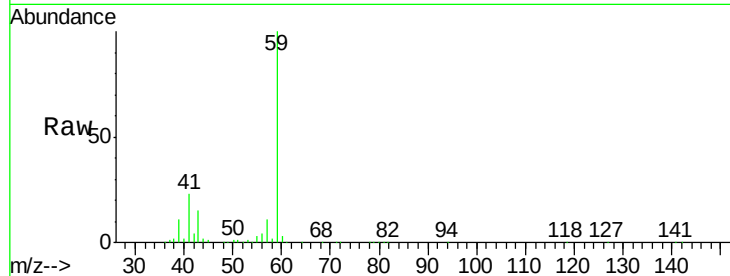
#11
Tert butyl alcohol
Concen: 386.61 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	59	Resp	232610
Ion Ratio	100	Lower	Upper
57	10.7	8.6	12.8

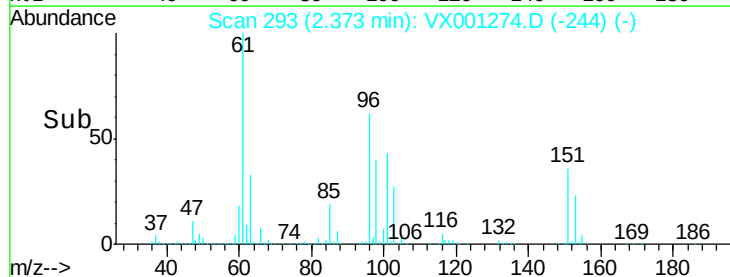
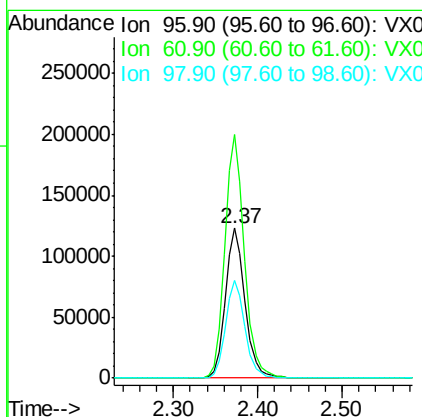
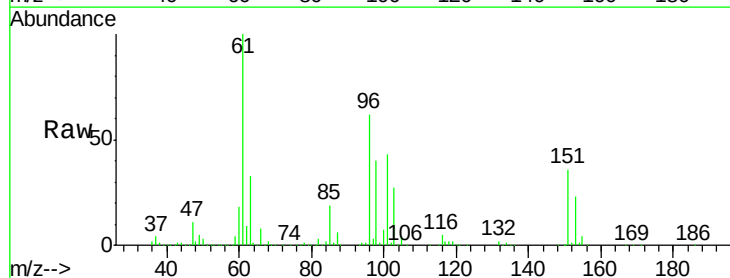
Manual Integrations
APPROVED

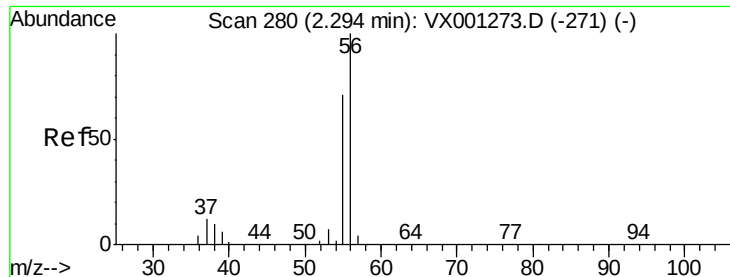
MMDadoda
5/2/2018 4:20:53 PM



#12
1,1-Dichloroethene
Concen: 93.56 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	96	Resp	195438
Ion Ratio	100	Lower	Upper
61	162.4	130.1	195.1
98	64.7	50.3	75.5





#13

Acrolein

Concen: 552.23 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 136509

Ion Ratio Lower Upper

56 100

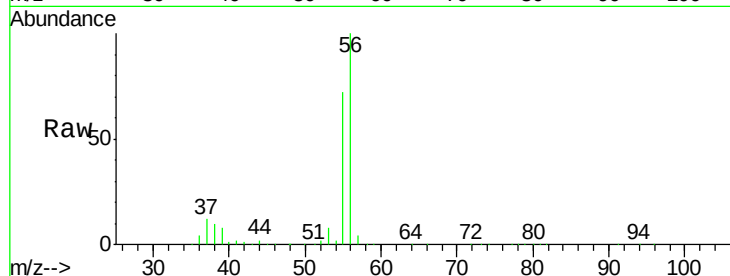
55 71.8 57.2 85.8

Manual Integrations

APPROVED

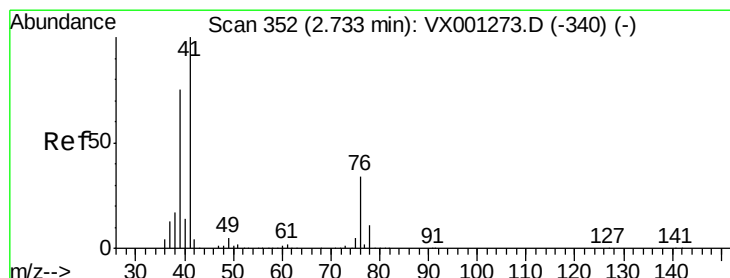
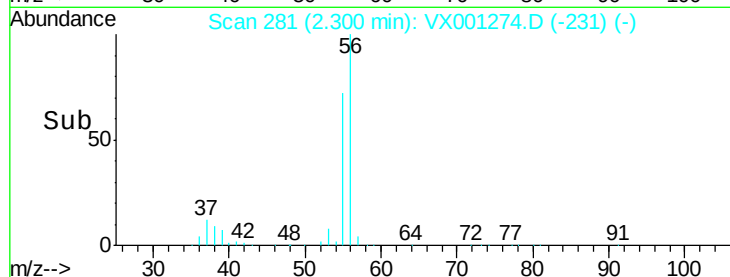
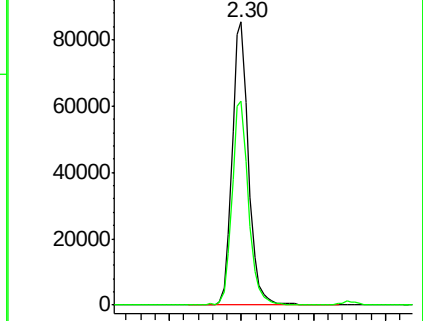
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 95.02 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

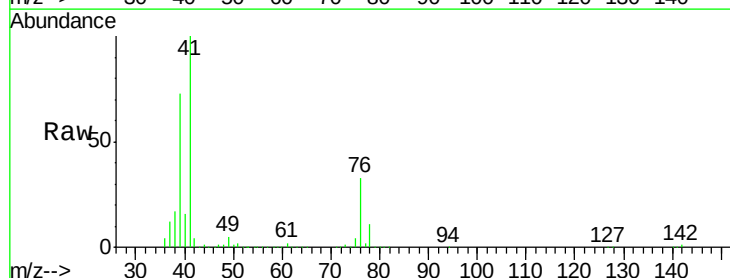
Tgt Ion: 41 Resp: 357537

Ion Ratio Lower Upper

41 100

39 72.5 58.1 87.1

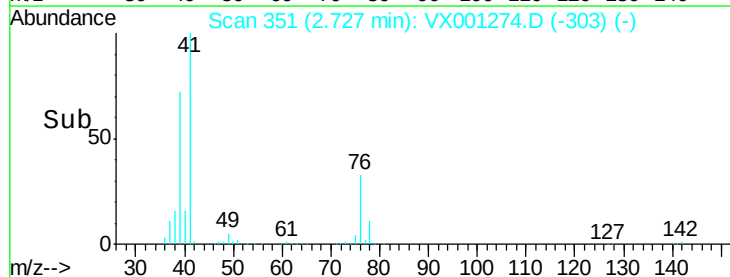
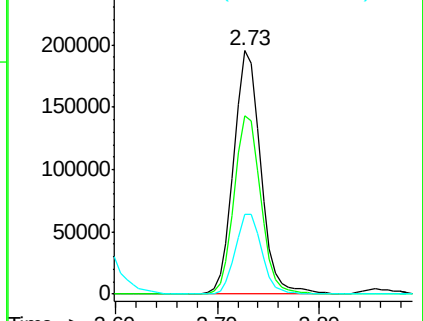
76 32.1 25.1 37.7

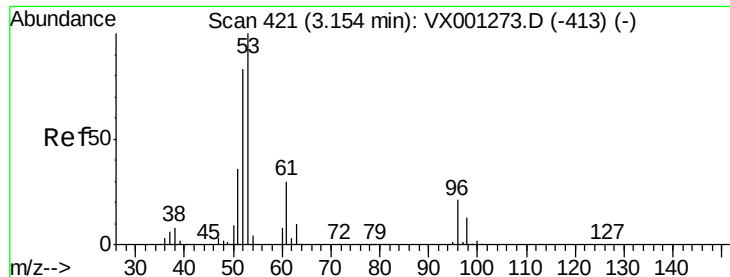


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 412.83 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

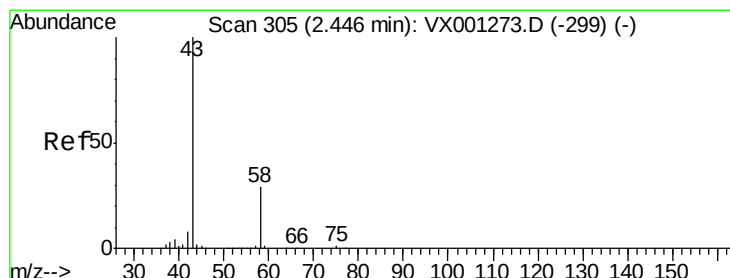
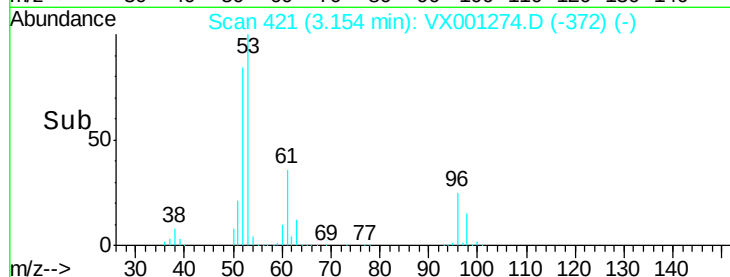
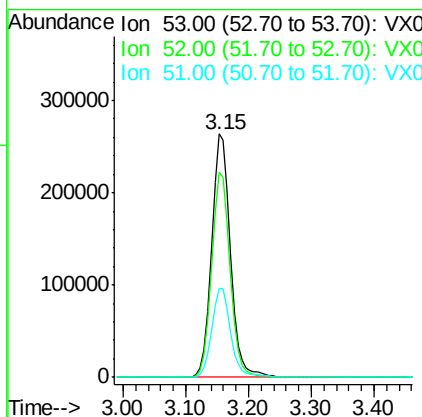
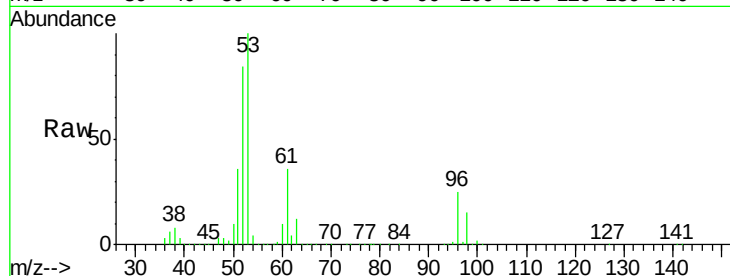
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	542574
Ion Ratio	Lower	Upper	
53	100		
52	83.6	67.0	100.4
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 440.55 ug/l

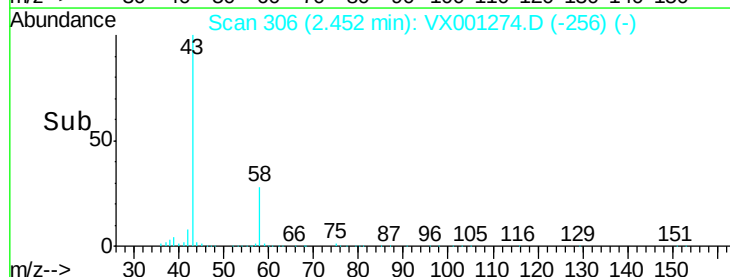
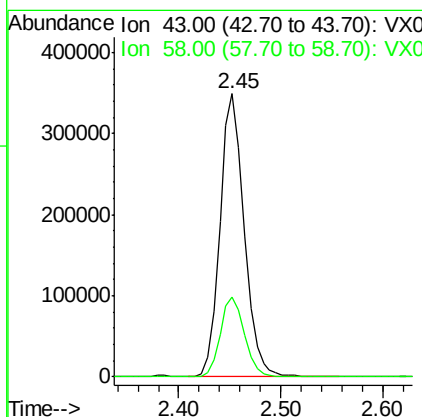
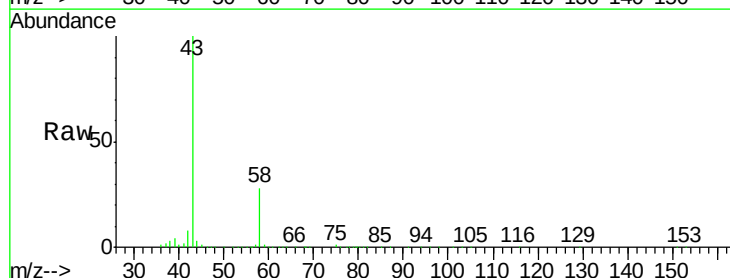
RT: 2.45 min Scan# 306

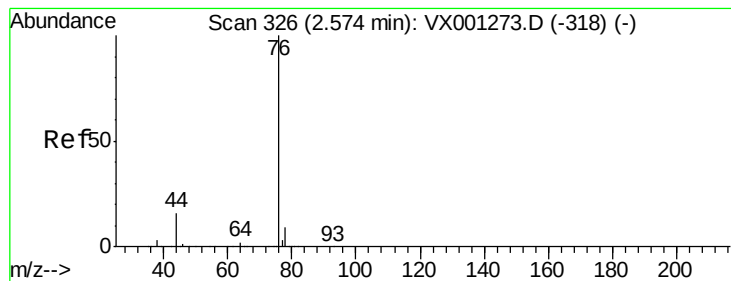
Delta R.T. 0.01 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion:	43	Resp:	574845
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.8	34.2





#17

Carbon Disulfide

Concen: 97.46 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 518268

Ion Ratio Lower Upper

76 100

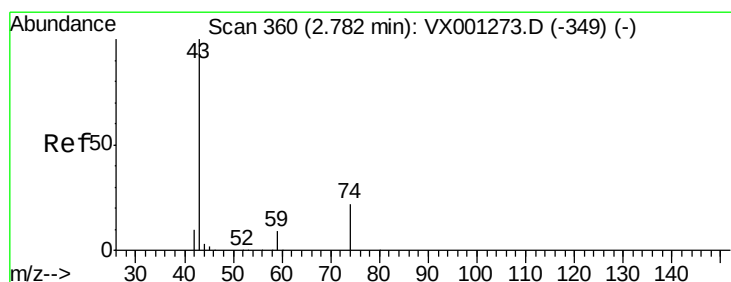
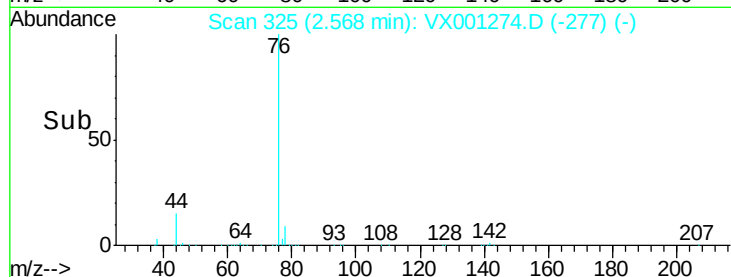
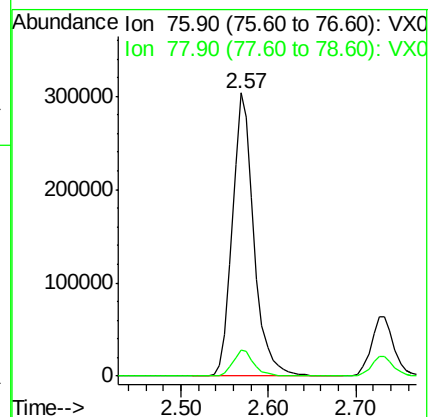
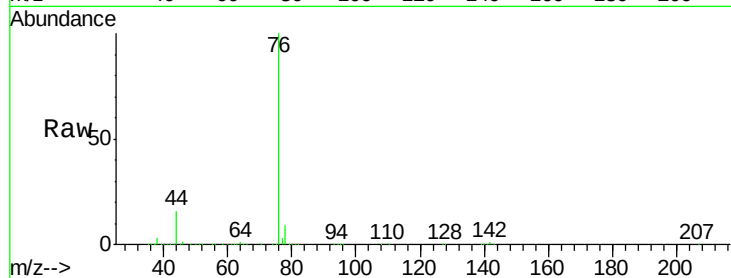
78 9.1 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 85.96 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001274.D

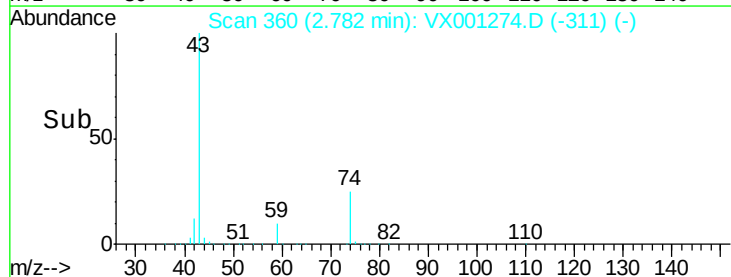
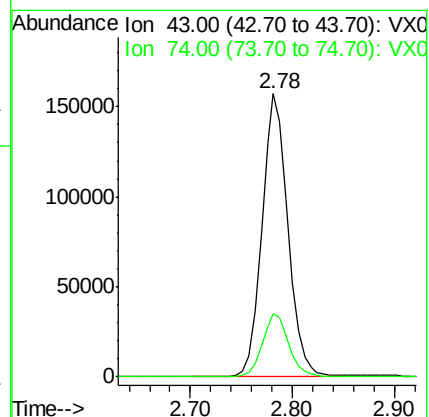
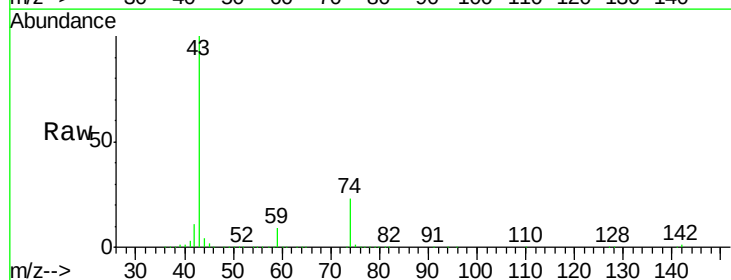
Acq: 01 May 2018 12:46

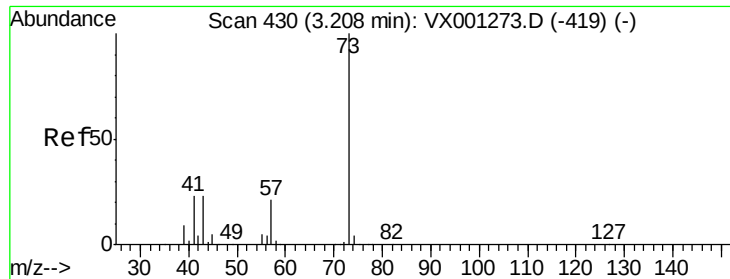
Tgt Ion: 43 Resp: 277100

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.6





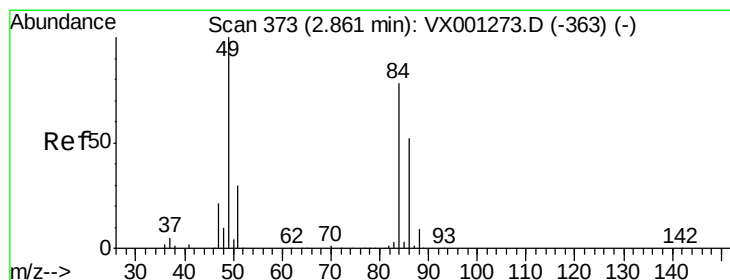
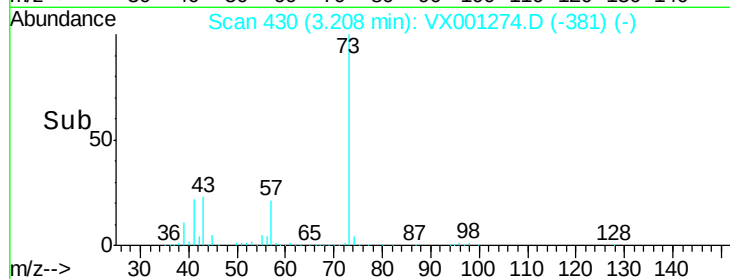
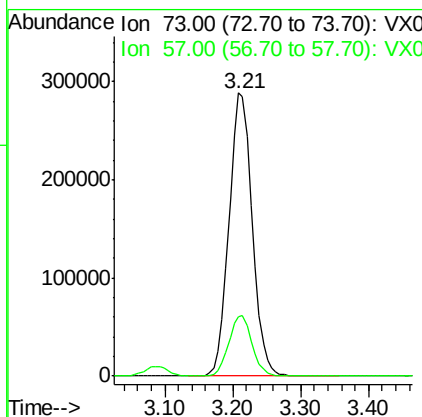
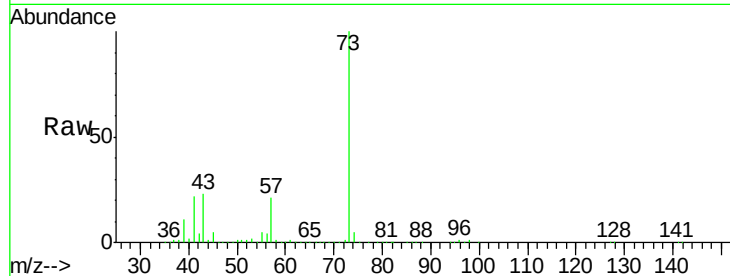
#19
Methyl tert-butyl Ether
Concen: 89.86 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.8	25.2

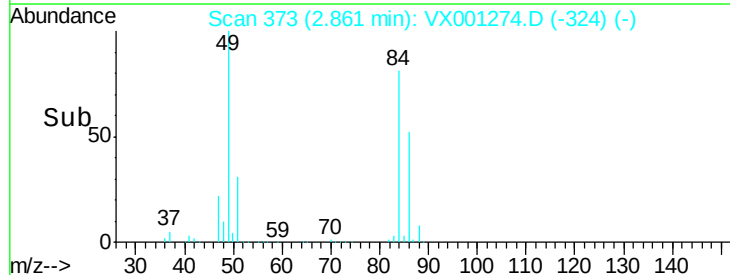
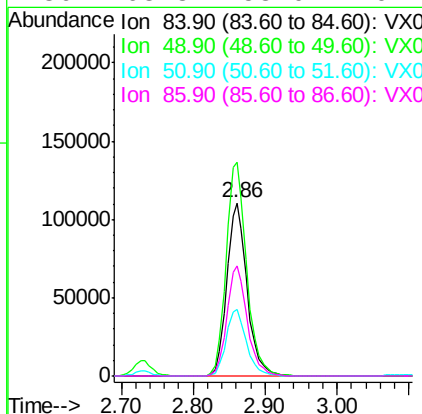
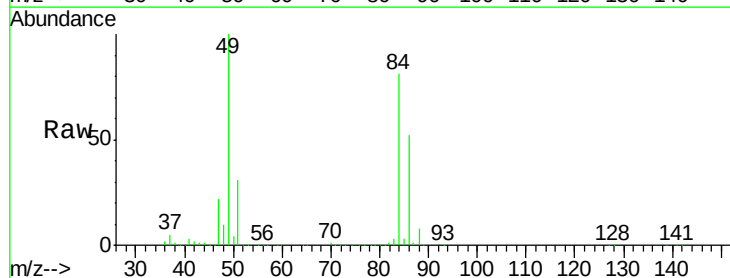
Manual Integrations
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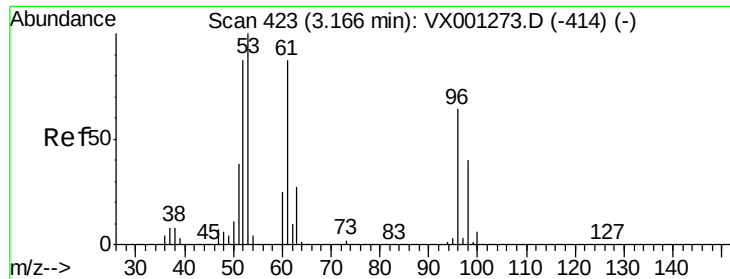
MMDadoda
5/2/2018 4:20:53 PM



#20
Methylene Chloride
Concen: 88.23 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	102.8	154.2
51	38.3	30.9	46.3
86	63.8	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 90.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

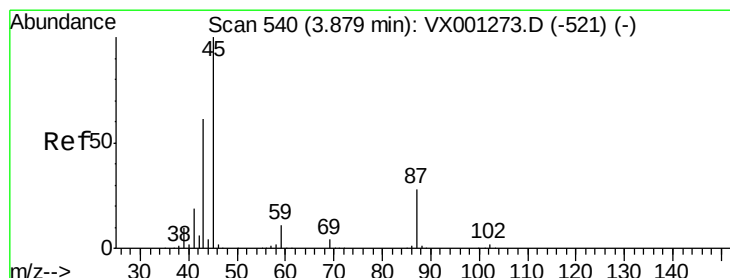
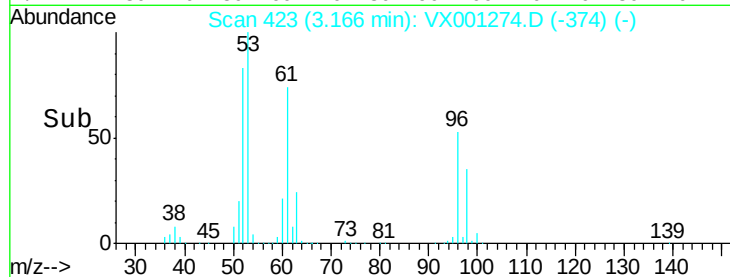
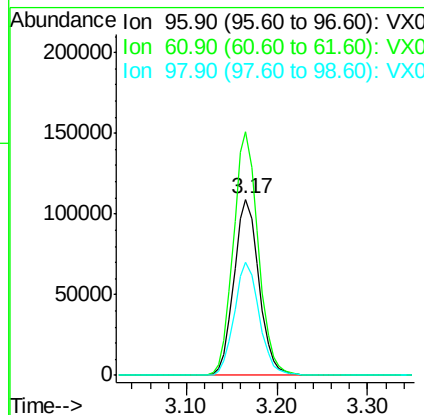
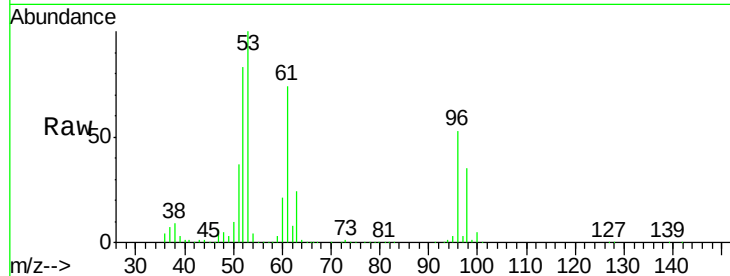
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	208921
Ion	Ratio	Lower	Upper
96	100		
61	138.3	108.6	162.8
98	64.6	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 92.40 ug/l

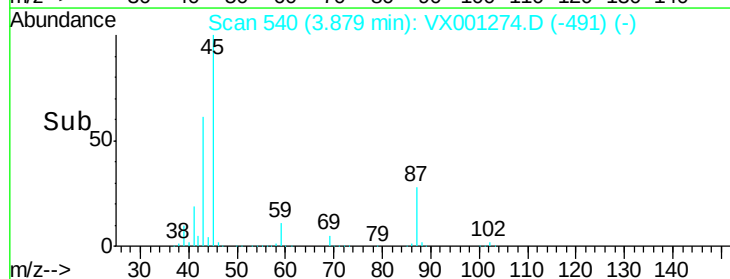
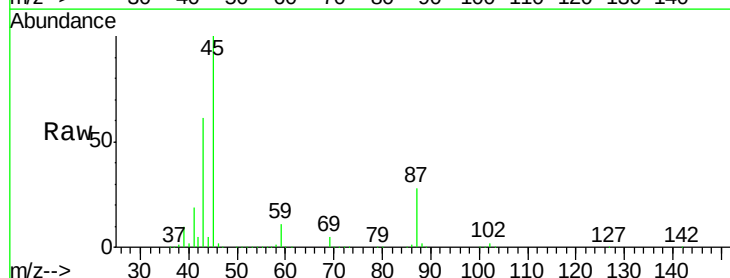
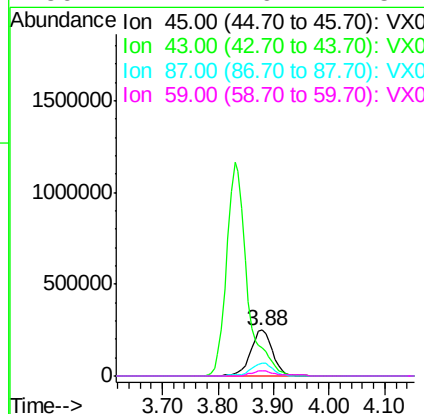
RT: 3.88 min Scan# 540

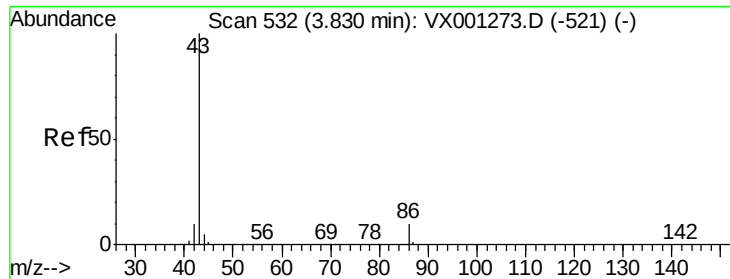
Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion:	45	Resp:	691966
Ion	Ratio	Lower	Upper
45	100		
43	60.6	48.7	73.1
87	28.1	22.2	33.4
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 469.91 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 43 Resp: 2973683

Ion Ratio Lower Upper

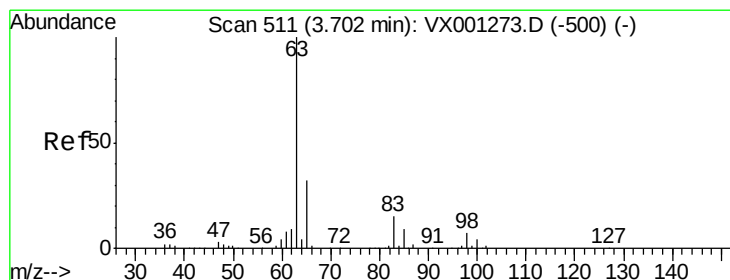
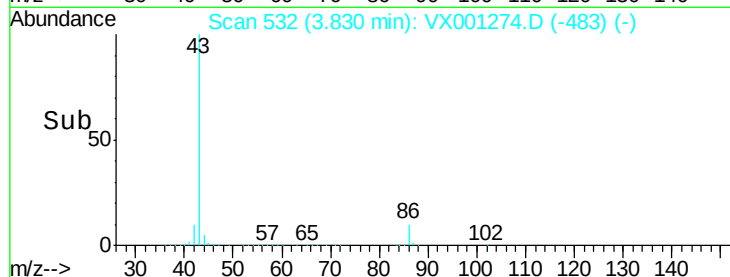
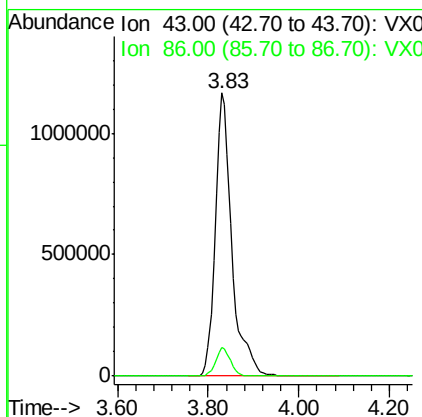
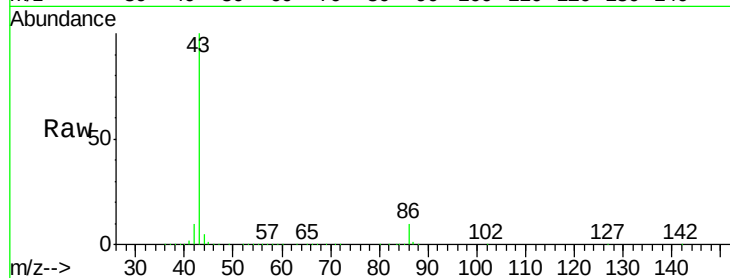
43 100

86 9.9 8.2 12.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 86.91 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

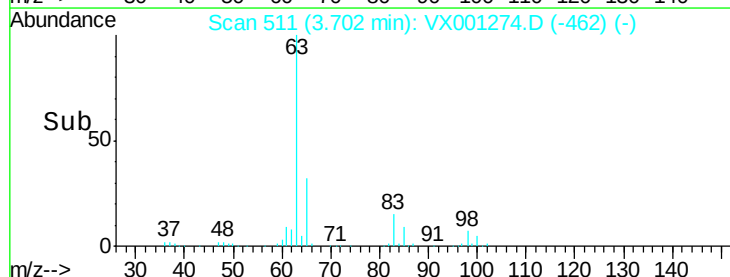
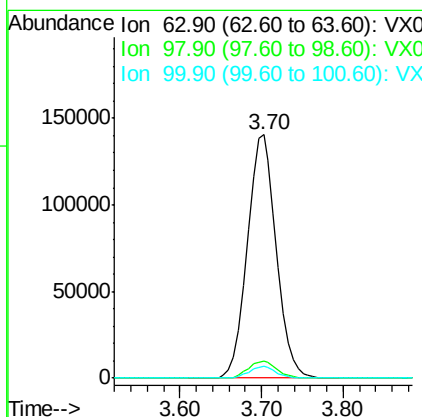
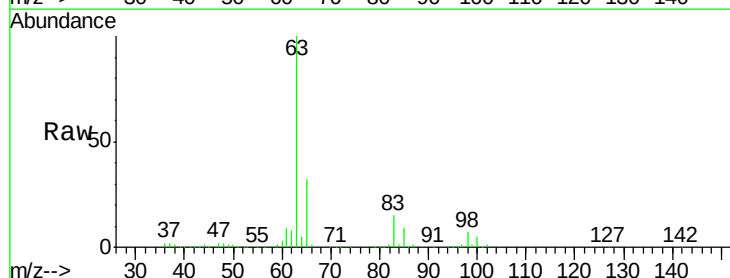
Tgt Ion: 63 Resp: 346049

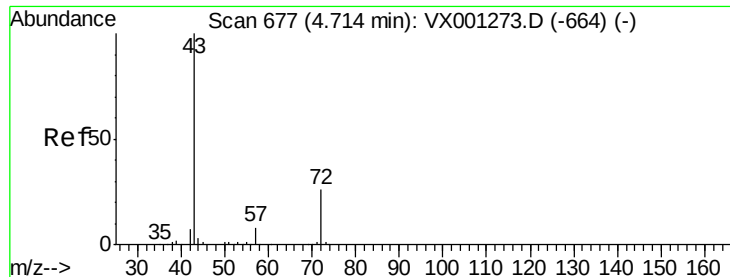
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 5.1 2.3 6.8





#25

2-Butanone

Concen: 409.66 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 786123

Ion Ratio Lower Upper

43 100

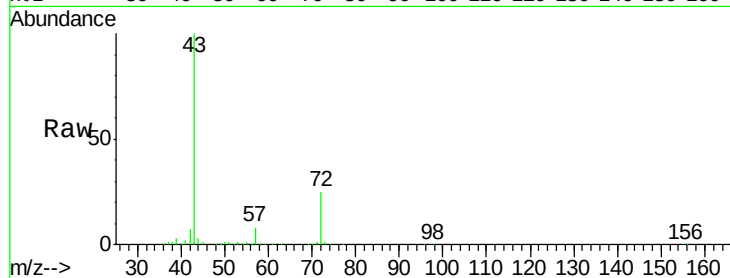
72 24.8 20.5 30.7

Manual Integrations

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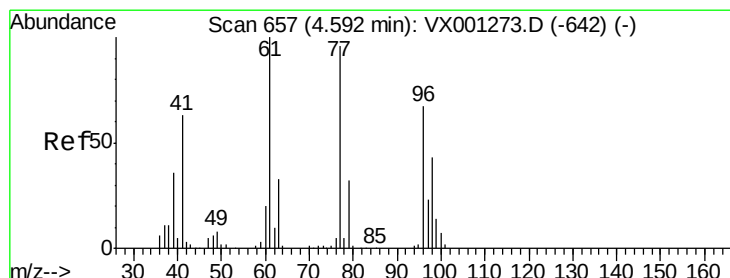
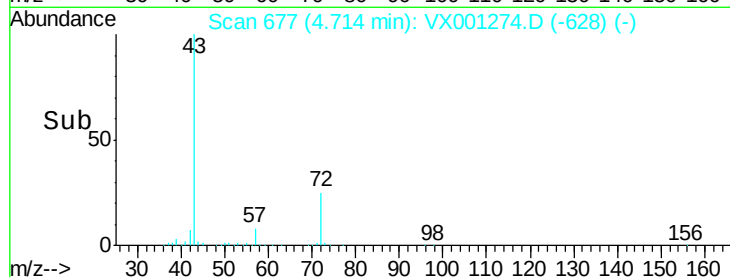
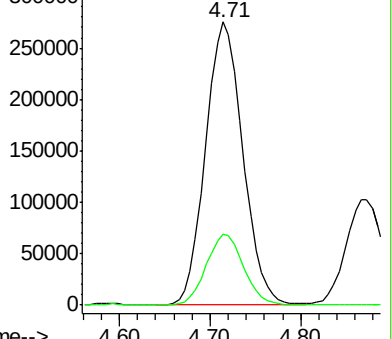
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 101.11 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001274.D

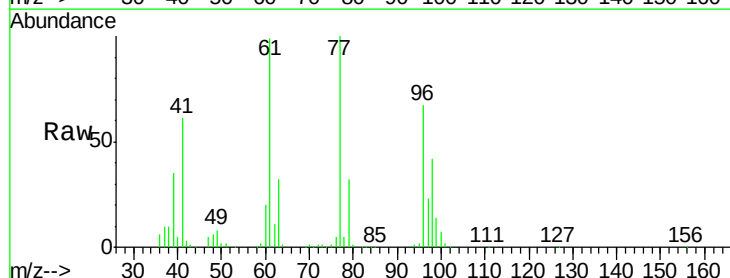
Acq: 01 May 2018 12:46

Tgt Ion: 77 Resp: 318768

Ion Ratio Lower Upper

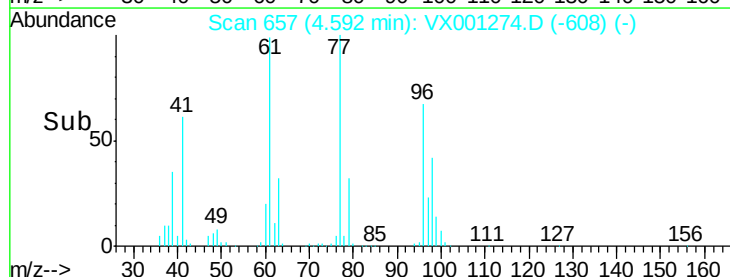
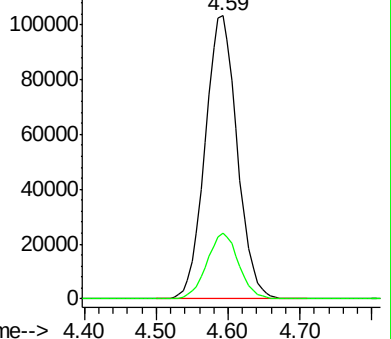
77 100

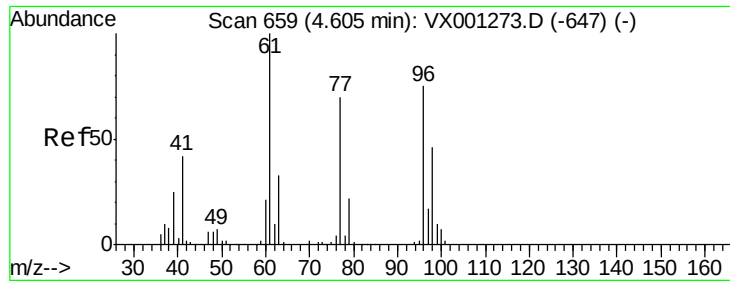
97 23.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

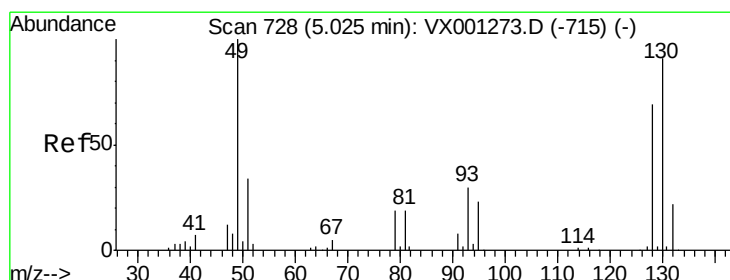
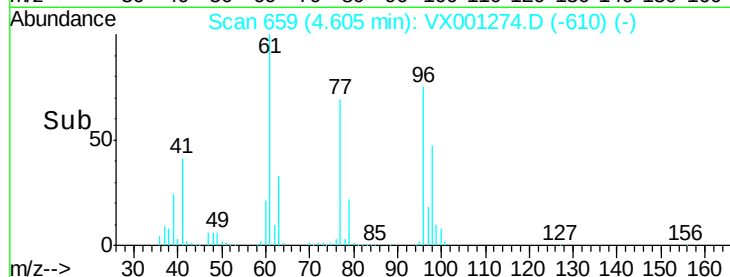
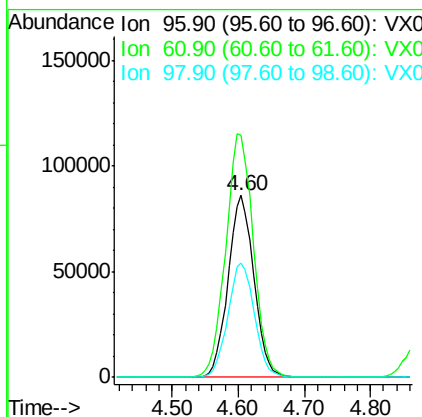
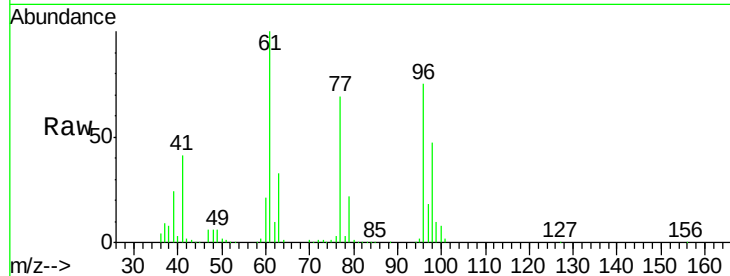
cis-1,2-Dichloroethene
Concen: 92.96 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	232460		
61	143.6	0.0	288.0	
98	64.5	0.0	130.2	

Manual Integrations
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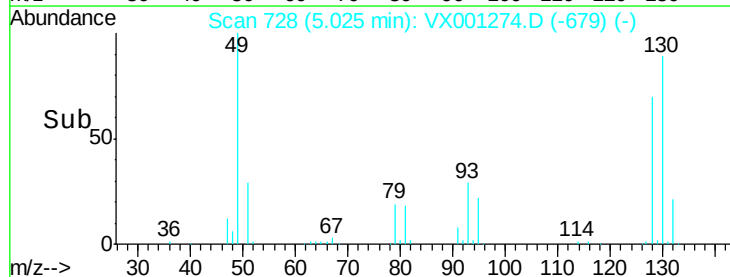
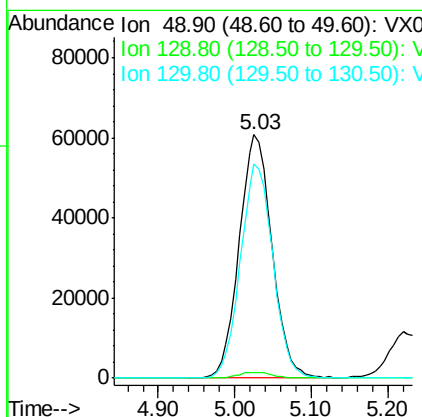
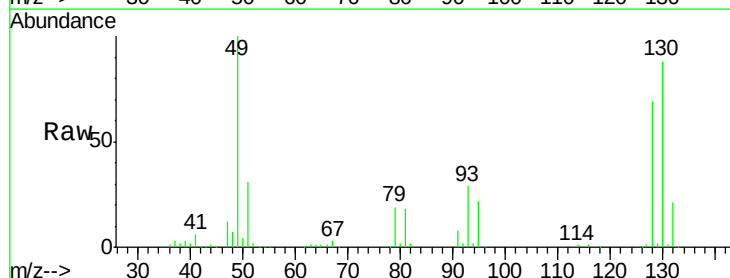
MMDadoda
5/2/2018 4:20:53 PM

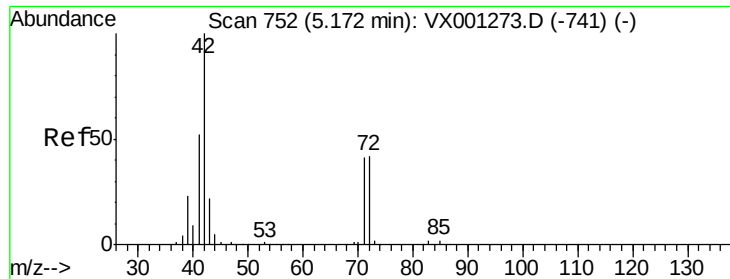


#28

Bromochloromethane
Concen: 101.21 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	180972		
129	2.4	0.0	4.8	
130	87.5	70.4	105.6	





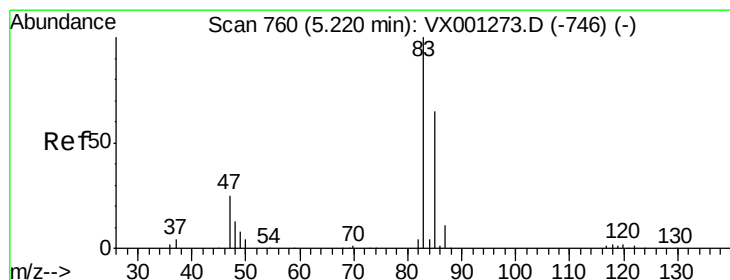
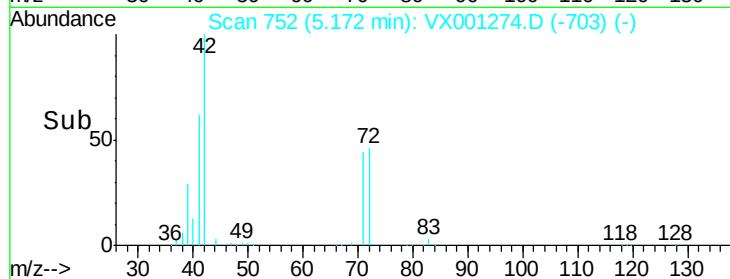
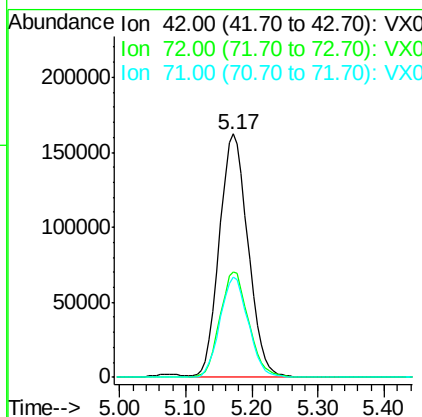
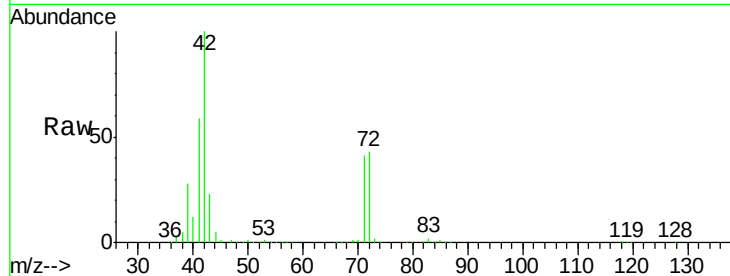
#29
Tetrahydrofuran
Concen: 396.29 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.7	32.7	49.1

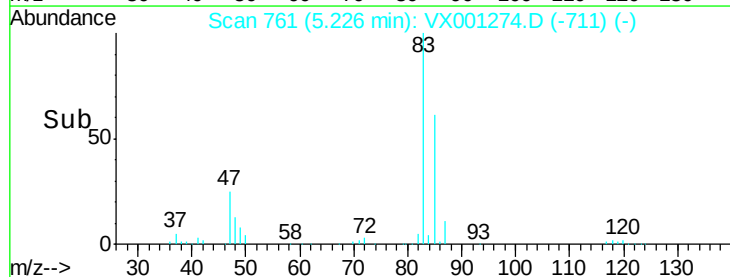
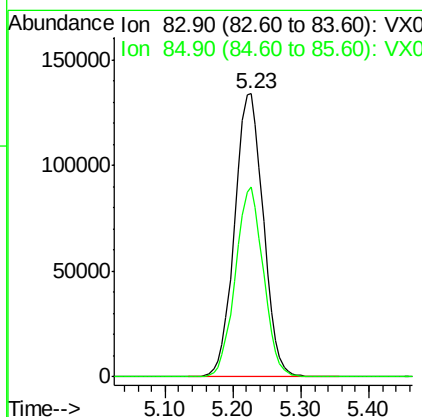
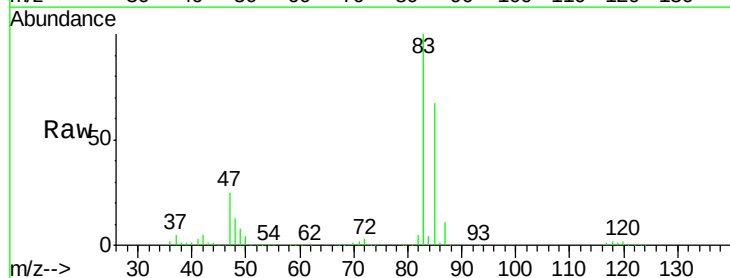
Manual Integrations
APPROVED

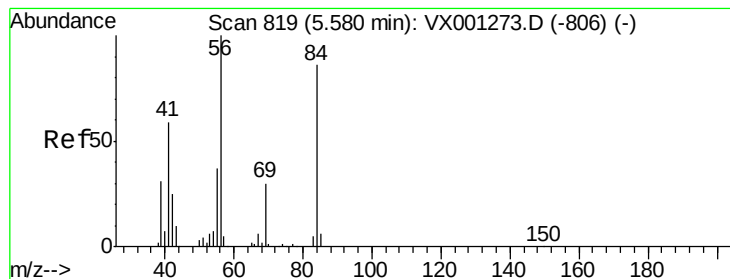
MMDadoda
5/2/2018 4:20:53 PM



#30
Chloroform
Concen: 93.03 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.2





#31

Cyclohexane

Concen: 96.40 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

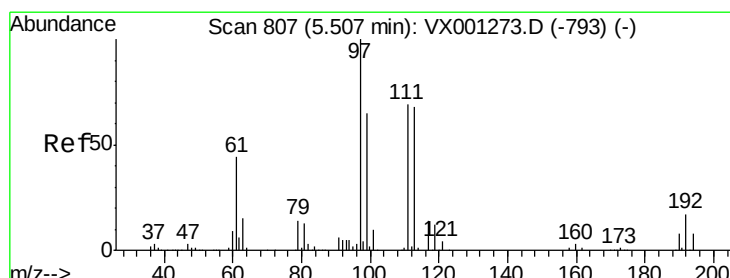
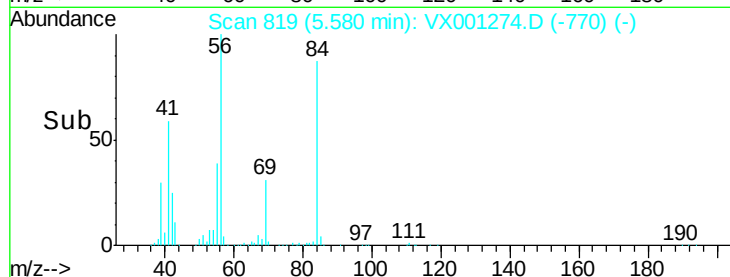
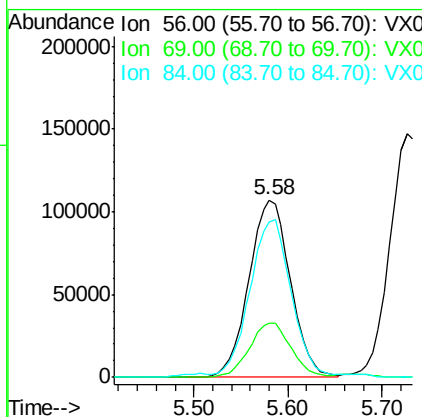
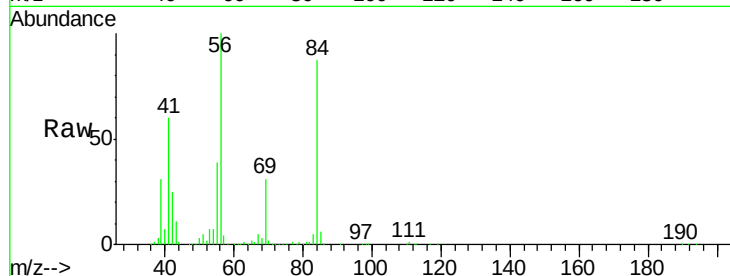
ClientSampleId :

VSTDIC100

Tot Ion	56	Resp	329475
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.0	36.0
84	86.0	69.0	103.4

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:53 PM



#32

1,1,1-Trichloroethane

Concen: 99.11 ug/l

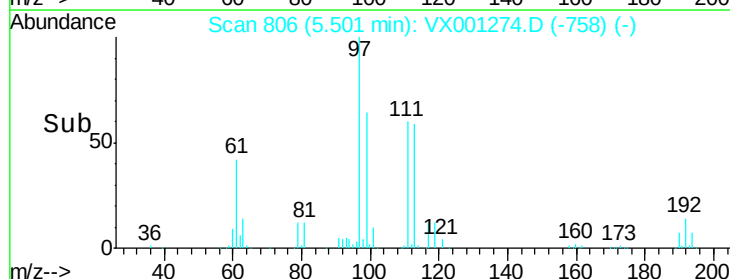
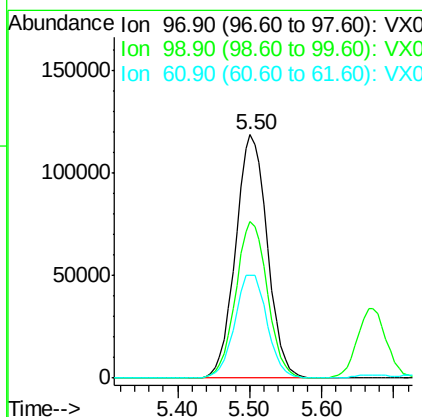
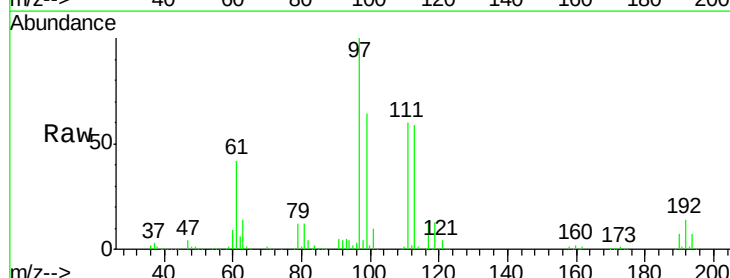
RT: 5.50 min Scan# 806

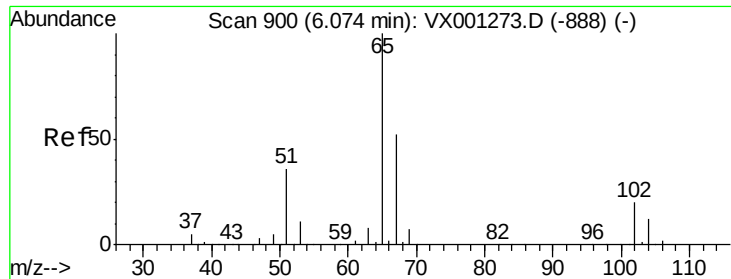
Delta R.T. -0.01 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion	97	Resp	362126
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	43.6	35.4	53.2





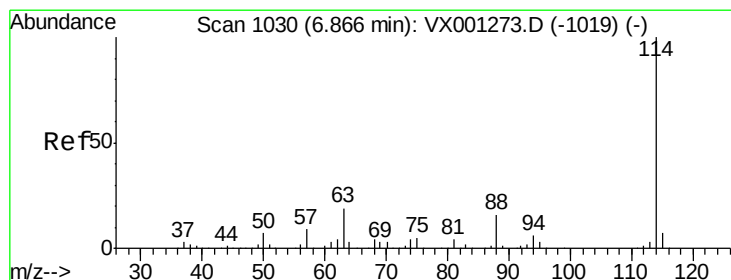
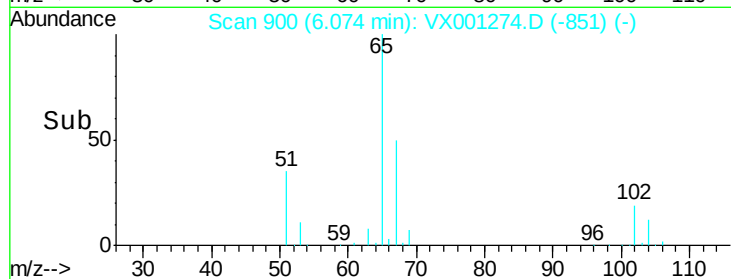
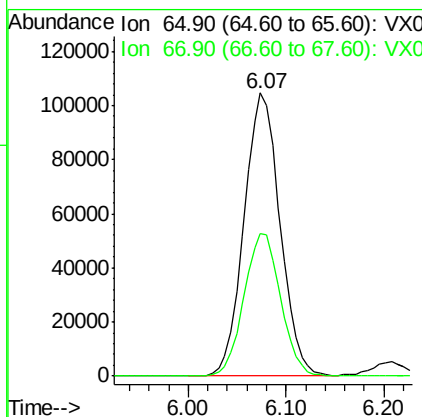
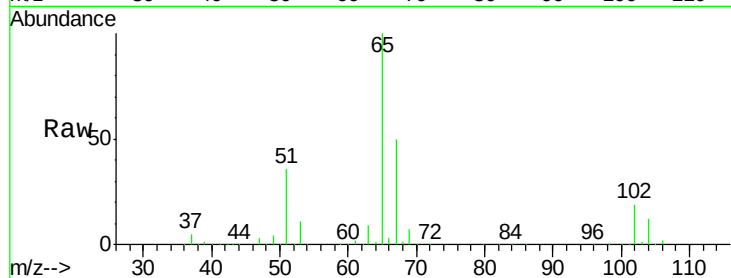
#33
 1,2-Dichloroethane-d4
 Concen: 84.74 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267175		
67	51.2	0.0	102.8	

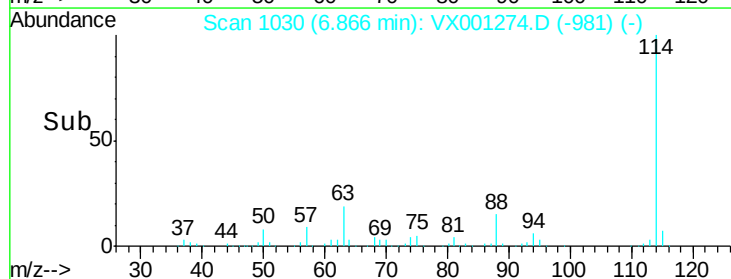
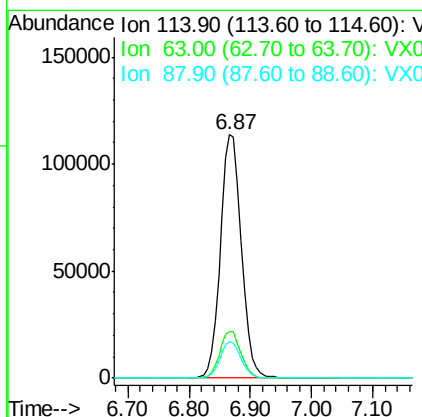
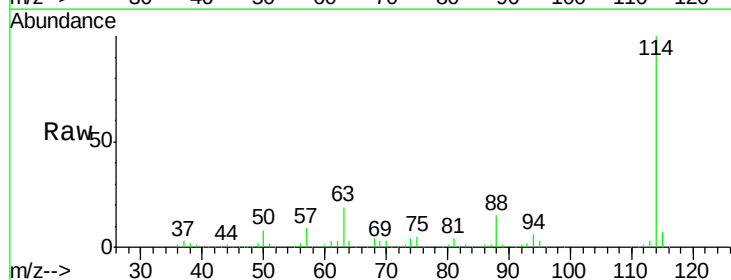
Manual Integrations
 APPROVED

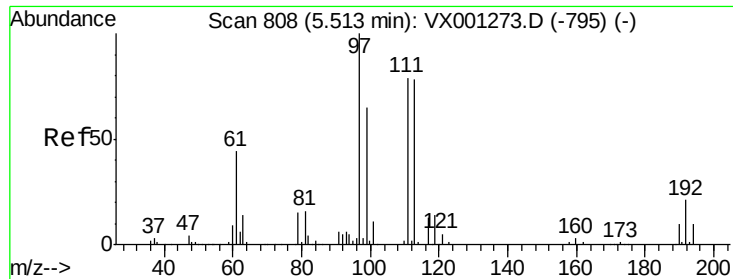
MMDadoda
 5/2/2018 4:20:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270377		
63	19.3	0.0	38.8	
88	14.8	0.0	32.2	





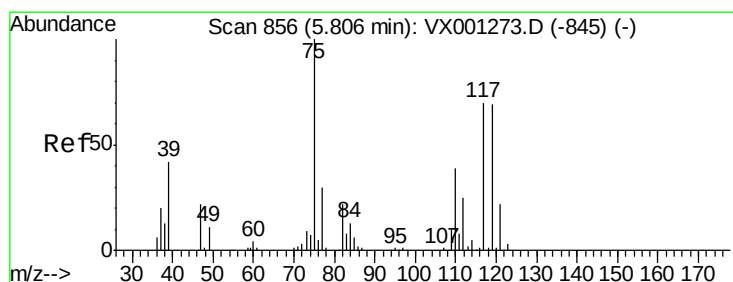
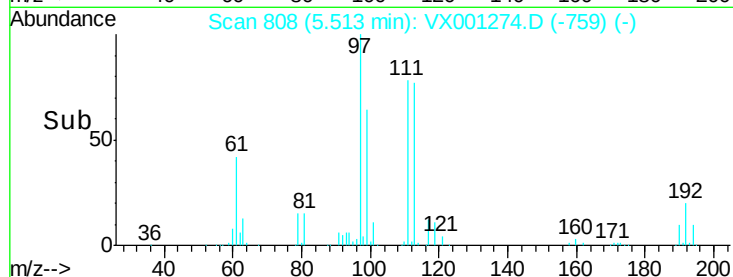
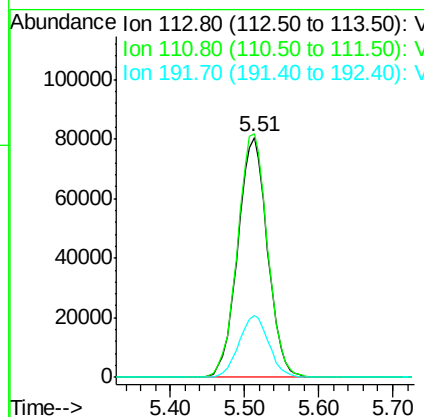
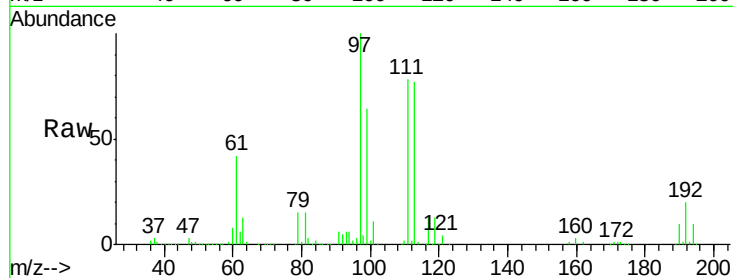
#35
 Dibromofluoromethane
 Concen: 100.25 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225322		
111	102.6	81.2	121.8	
192	25.9	20.7	31.1	

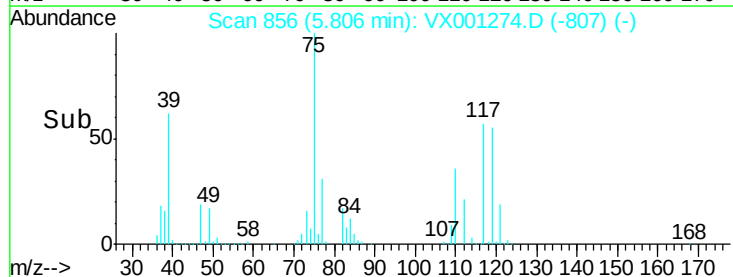
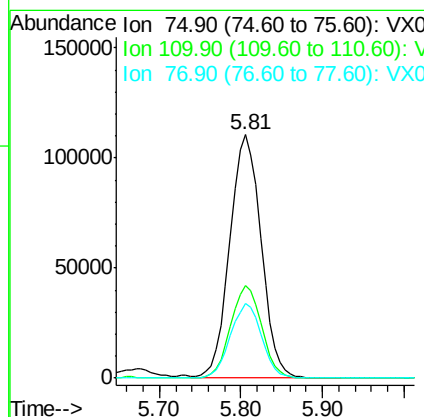
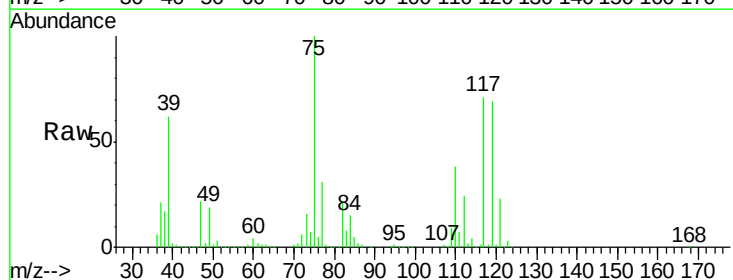
Manual Integrations
 APPROVED

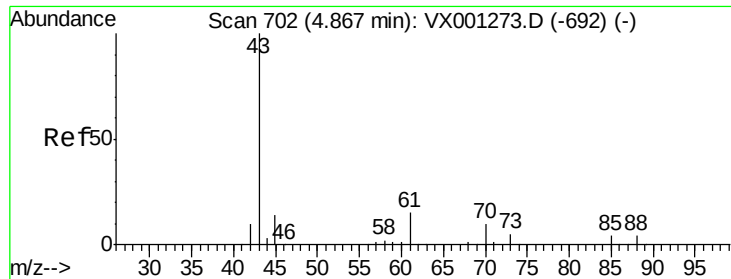
MMDadoda
 5/2/2018 4:20:53 PM



#36
 1,1-Dichloropropene
 Concen: 97.54 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	293323		
110	37.7	18.9	56.9	
77	30.6	24.2	36.2	





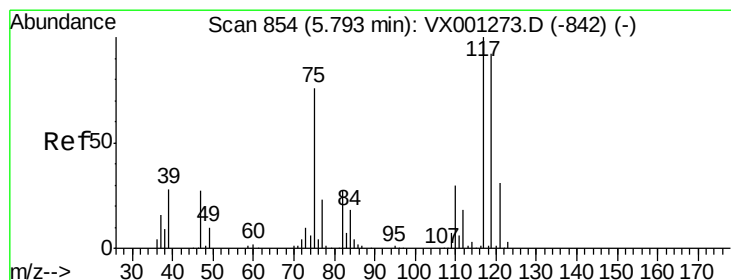
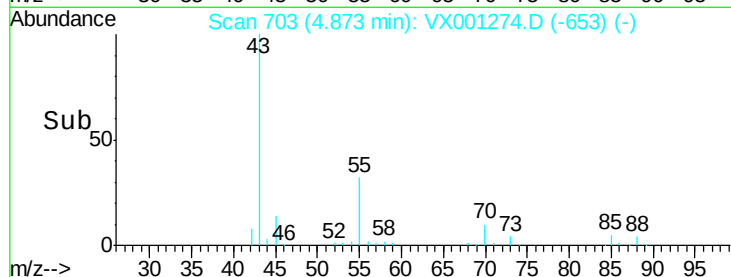
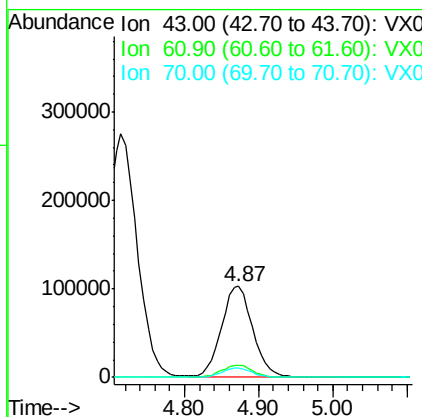
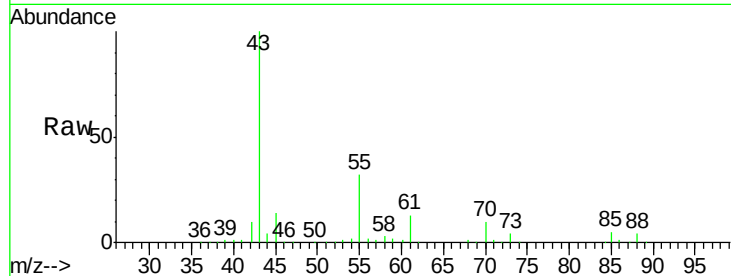
#37
Ethyl Acetate
Concen: 85.86 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	301038
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.9	8.0	12.0

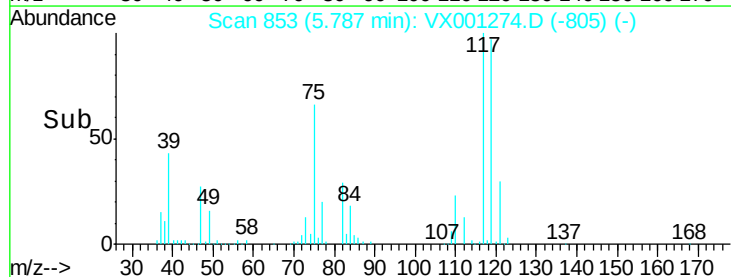
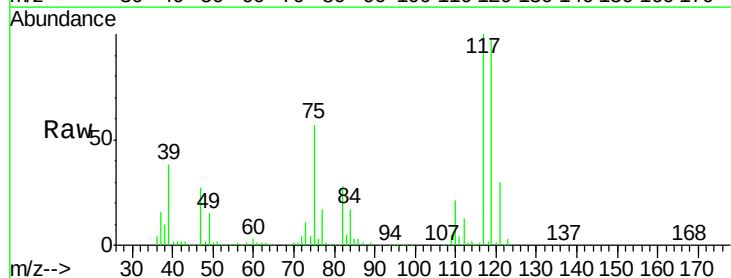
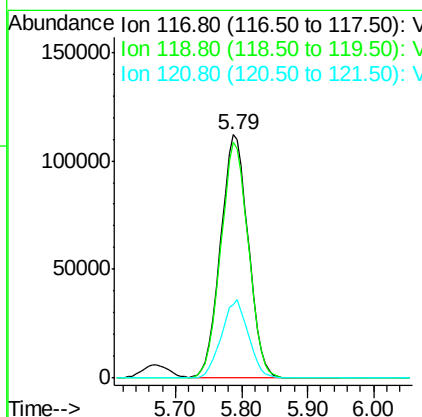
Manual Integrations
APPROVED

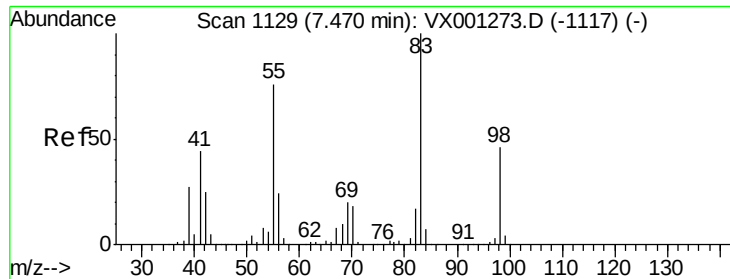
MMDadoda
5/2/2018 4:20:53 PM



#38
Carbon Tetrachloride
Concen: 105.08 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion:	117	Resp:	325383
Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.4	110.2
121	30.4	25.0	37.4





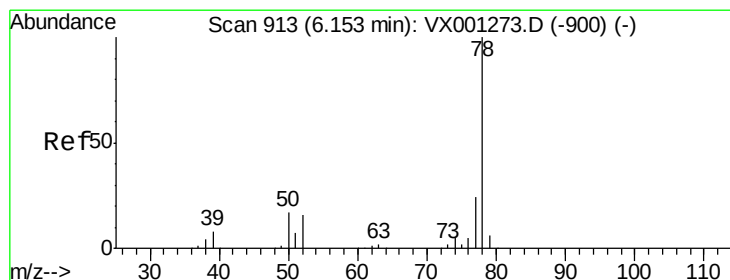
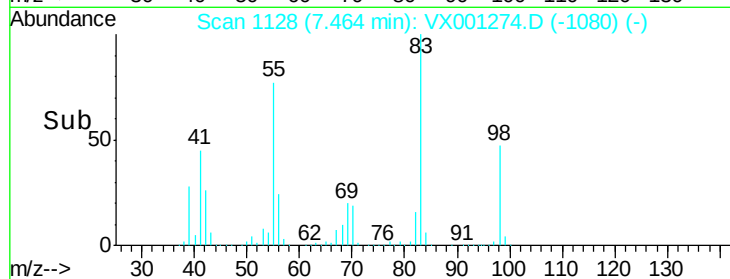
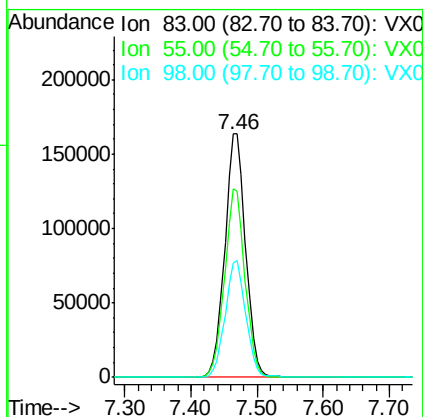
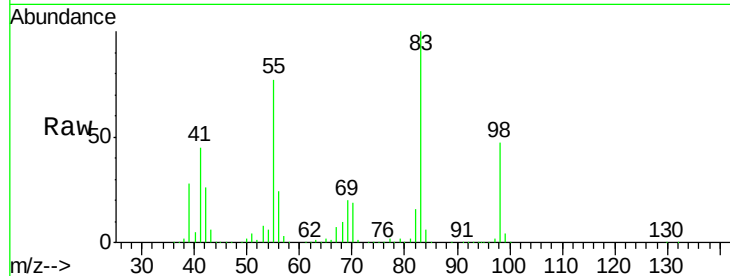
#39
Methvlcvclohexane
Concen: 105.80 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	356865		
55	77.2		60.4	90.6
98	47.2		37.0	55.6

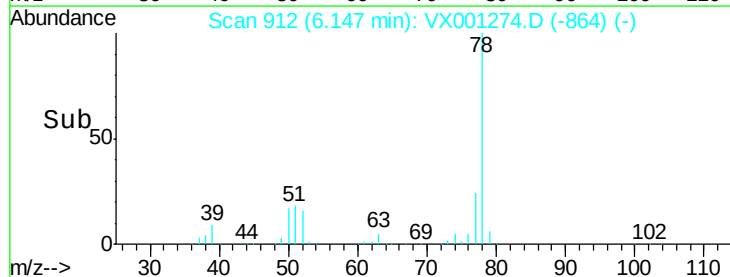
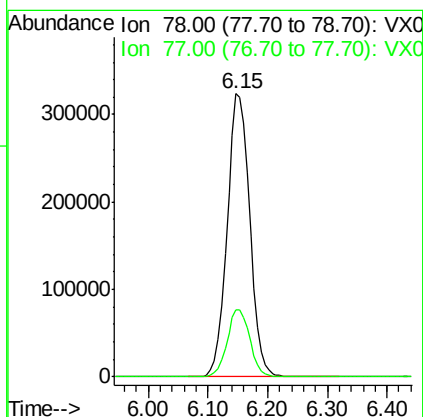
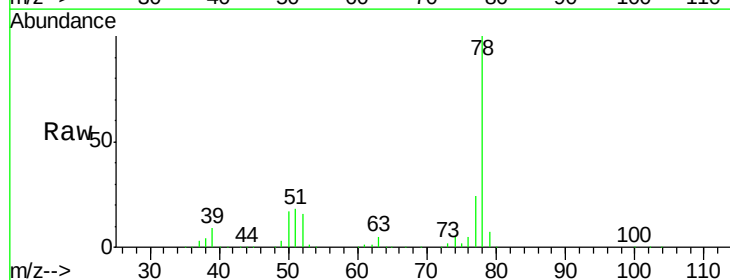
Manual Integrations
APPROVED

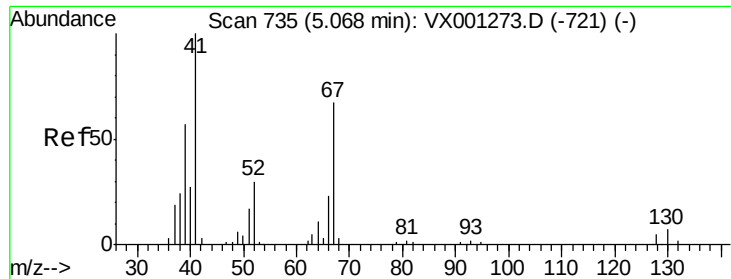
MMDadoda
5/2/2018 4:20:53 PM



#40
Benzene
Concen: 98.46 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	852755		
77	23.9		19.0	28.4





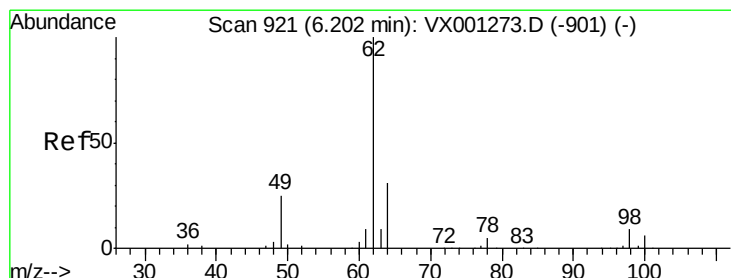
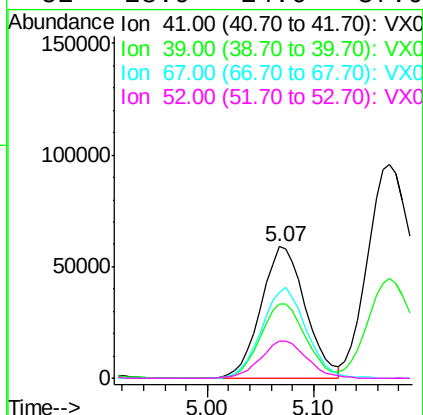
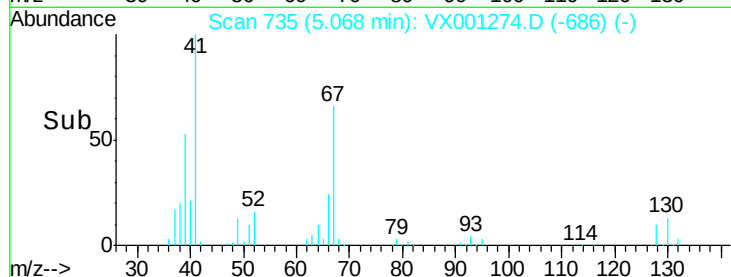
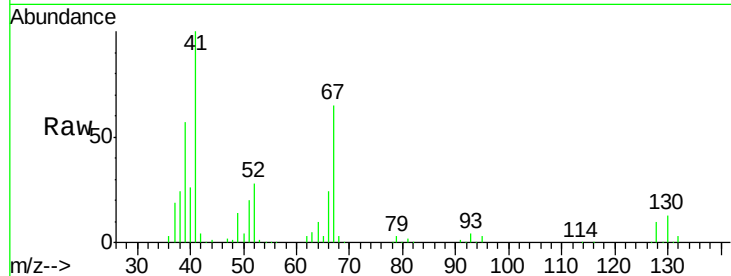
#41
Methacrylonitrile
Concen: 87.74 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	45.8	68.8	
67	68.6	54.8	82.2	
52	28.9	24.6	37.0	

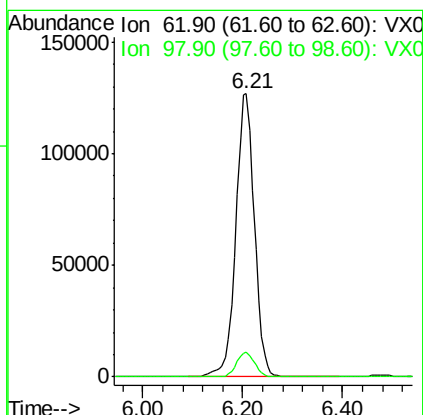
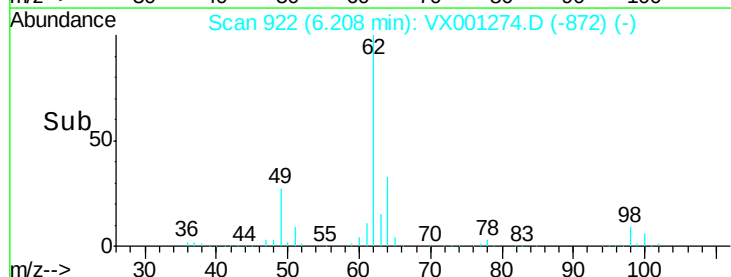
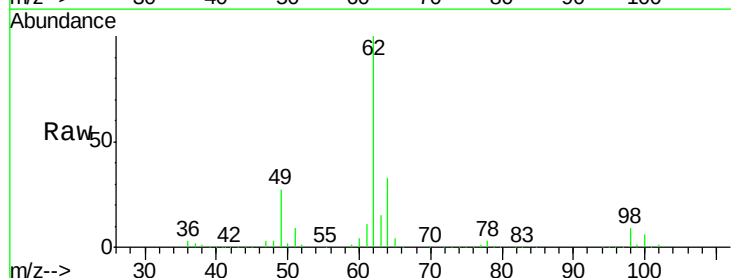
Manual Integrations
APPROVED

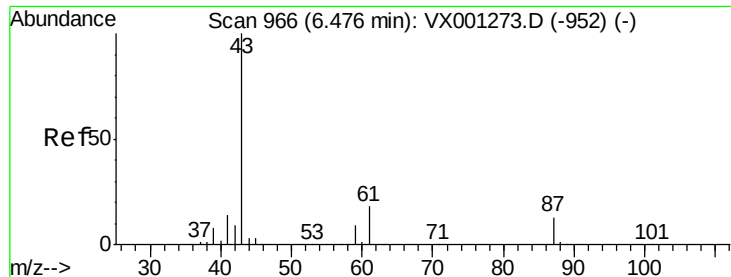
MMDadoda
5/2/2018 4:20:53 PM



#42
1,2-Dichloroethane
Concen: 95.07 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.2	





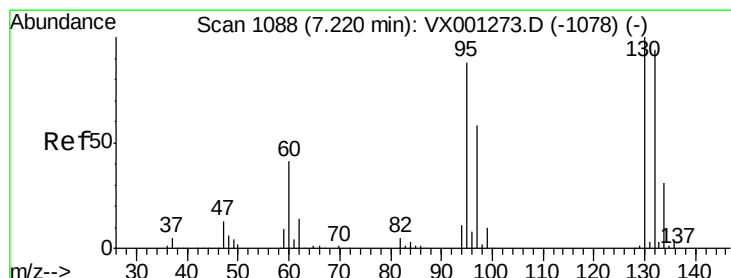
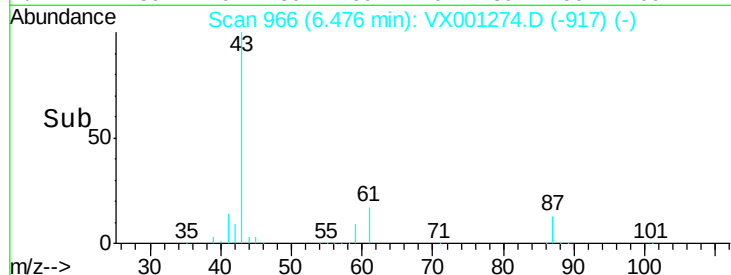
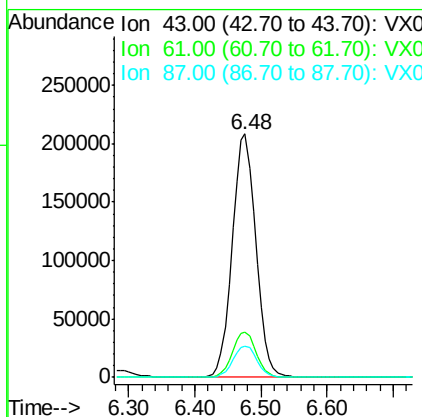
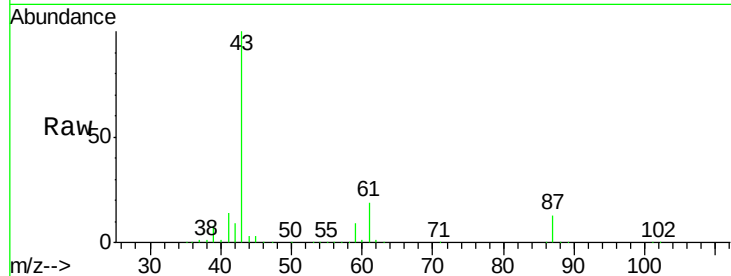
#43
Isopropyl Acetate
Concen: 92.83 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.0	22.4
87	13.0	10.2	15.4

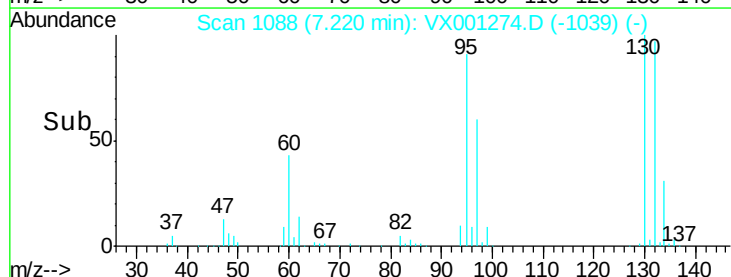
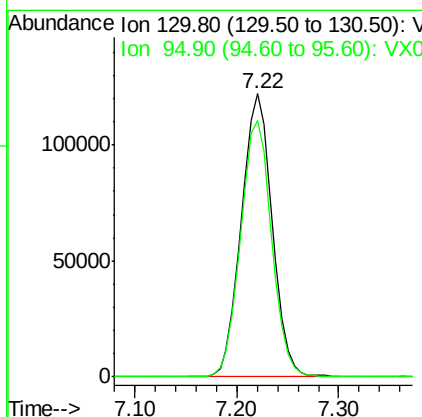
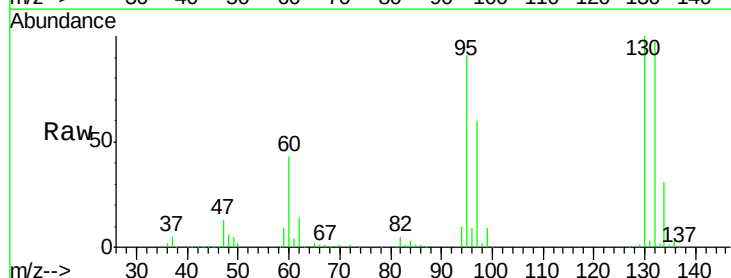
Manual Integrations
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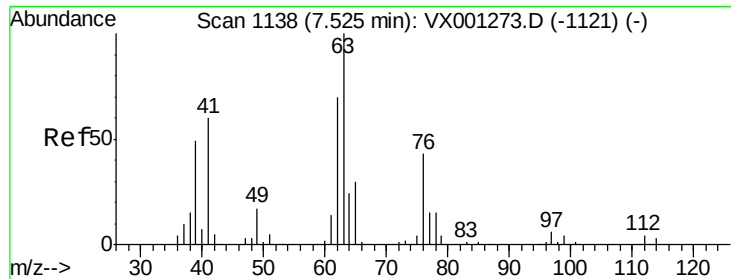
MMDadoda
5/2/2018 4:20:53 PM



#44
Trichloroethene
Concen: 99.21 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	176.0





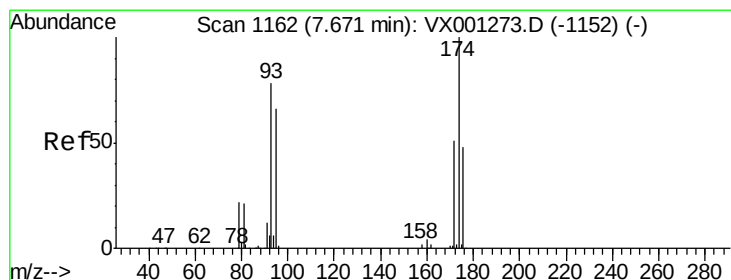
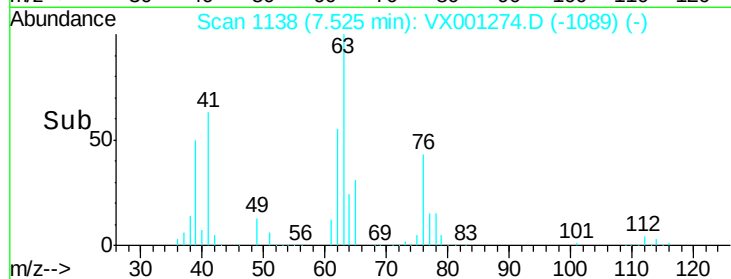
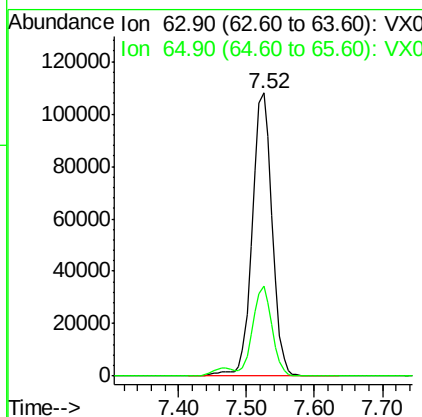
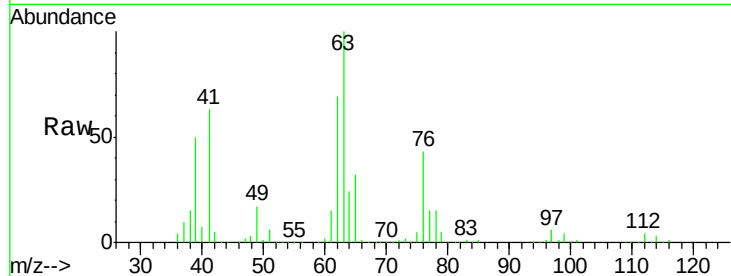
#45
 1,2-Dichloropropane
 Concen: 97.25 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.4

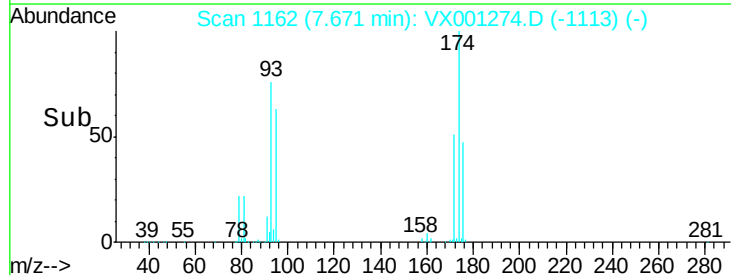
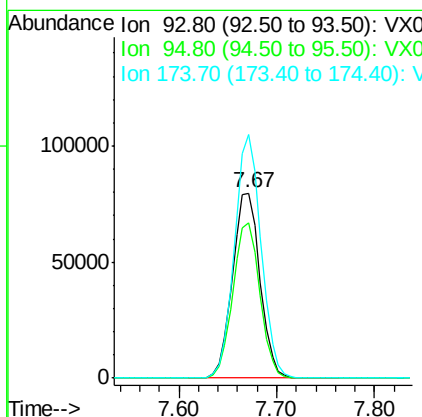
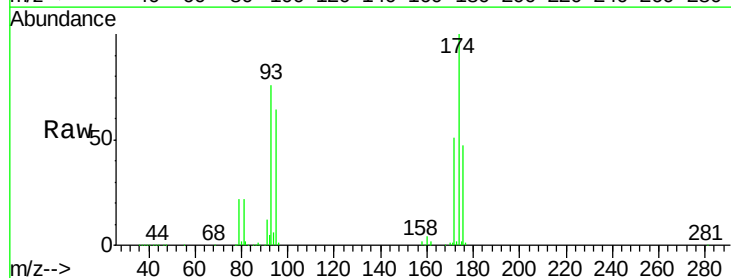
Manual Integrations
 APPROVED

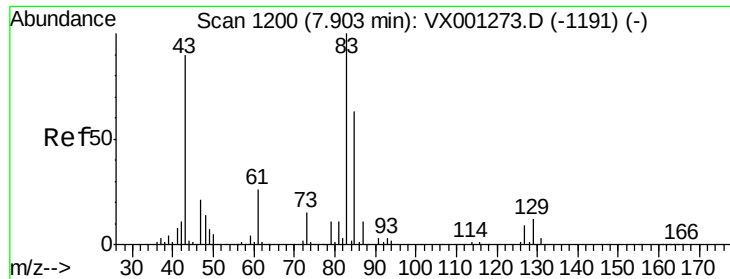
MMDadoda
 5/2/2018 4:20:53 PM



#46
 Dibromomethane
 Concen: 99.39 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.0	100.6
174	127.0	102.3	153.5





#47

Bromodichloromethane

Concen: 106.78 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

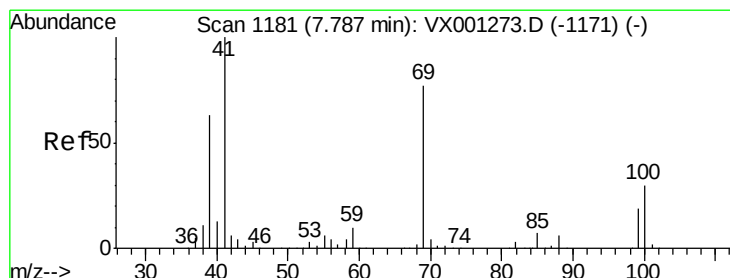
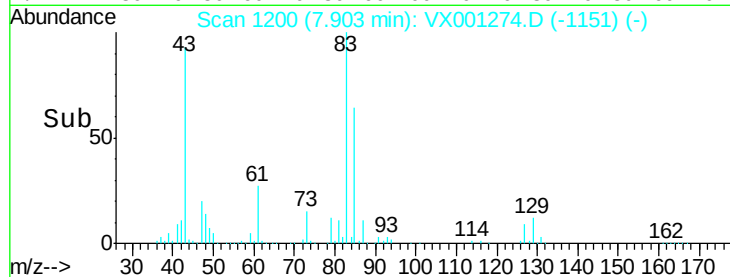
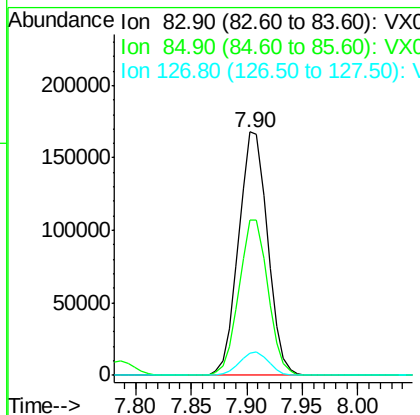
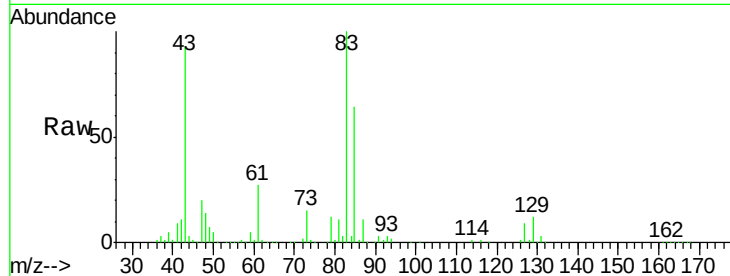
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	304765
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.3	75.5
127	9.2	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:53 PM



#48

Methyl methacrylate

Concen: 93.36 ug/l

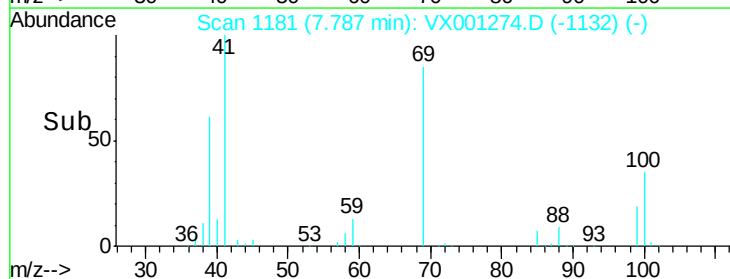
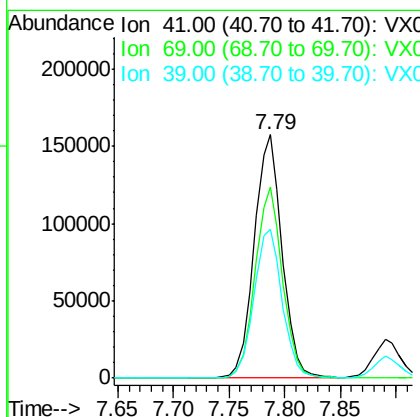
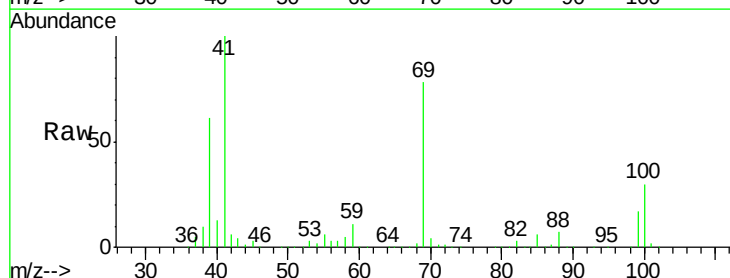
RT: 7.79 min Scan# 1181

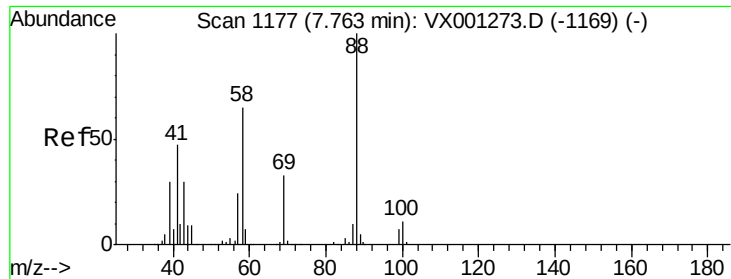
Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion:	41	Resp:	274223
Ion Ratio	Lower	Upper	
41	100		
69	77.5	63.0	94.6
39	62.1	50.2	75.4





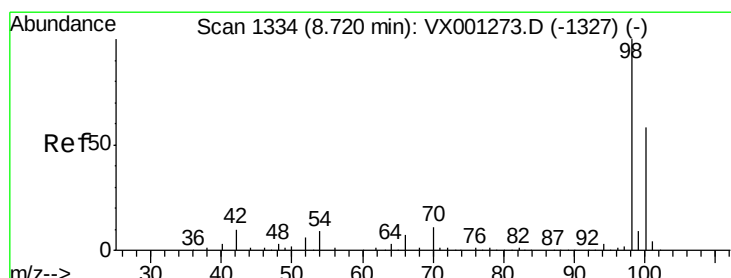
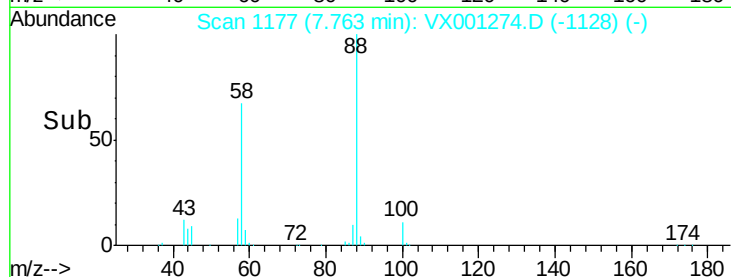
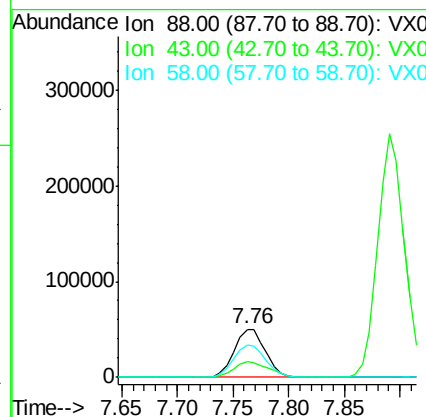
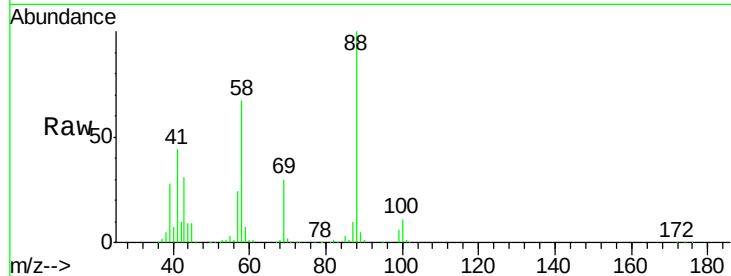
#49
 1,4-Dioxane
 Concen: 1684.46 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	88	Resp	97907
Ion	Ratio	Lower	Upper
88	100		
43	35.4	27.9	41.9
58	68.6	54.2	81.2

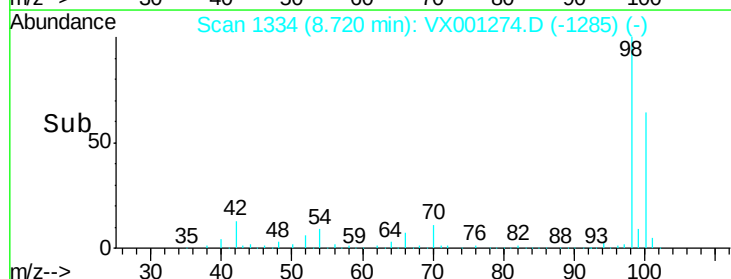
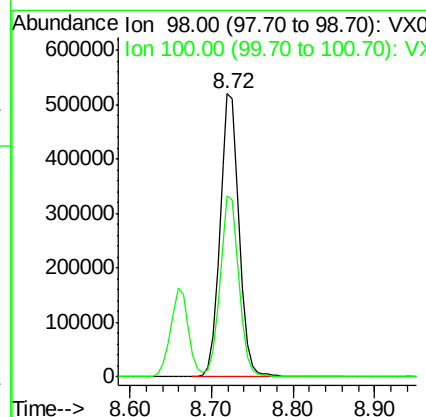
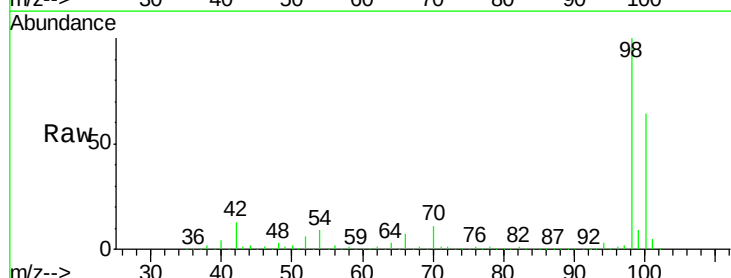
Manual Integrations
 APPROVED

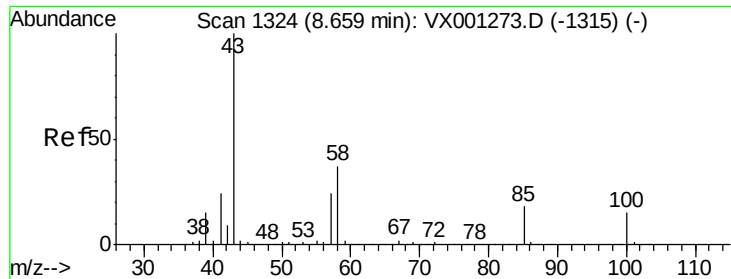
MMDadoda
 5/2/2018 4:20:53 PM



#50
 Toluene-d8
 Concen: 100.45 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	98	Resp	854630
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 467.69 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1695673

Ion Ratio Lower Upper

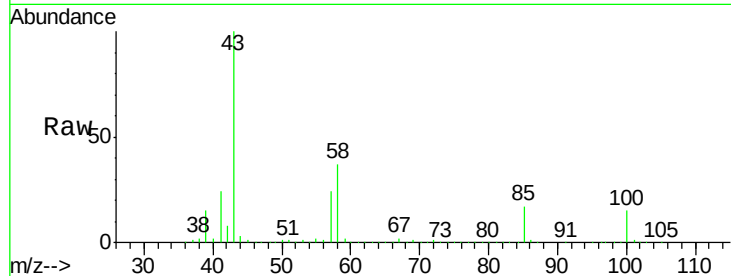
43 100

58 36.8 29.0 43.6

Manual Integrations
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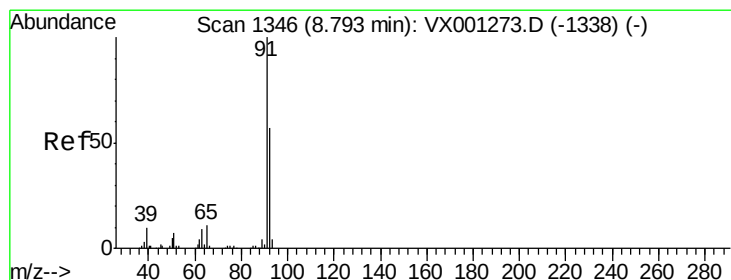
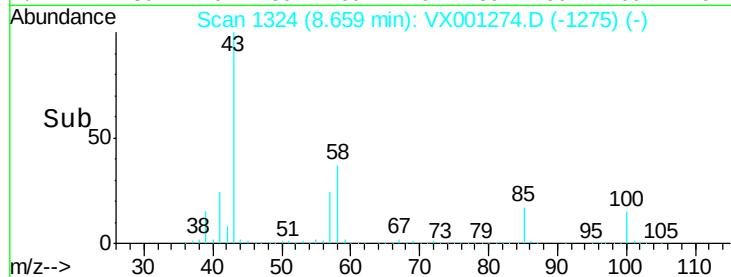
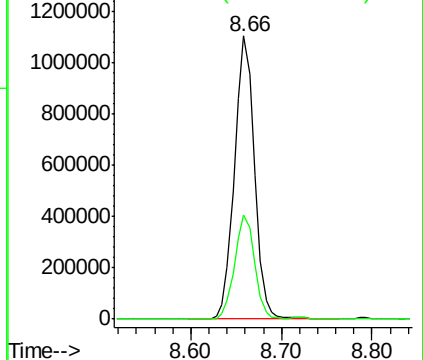
MMDadoda

5/2/2018 4:20:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 101.93 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001274.D

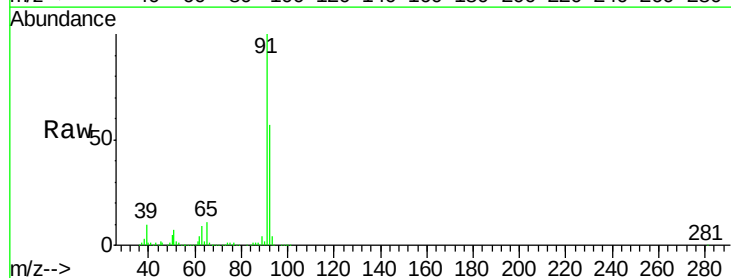
Acq: 01 May 2018 12:46

Tgt Ion: 92 Resp: 578253

Ion Ratio Lower Upper

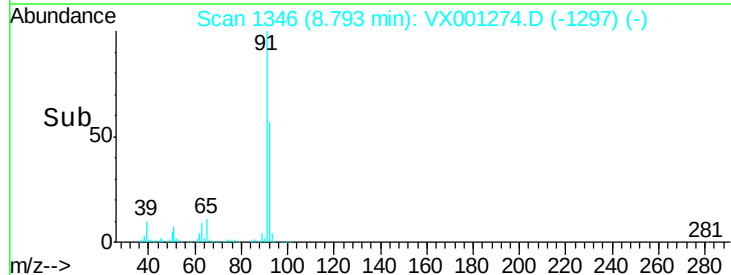
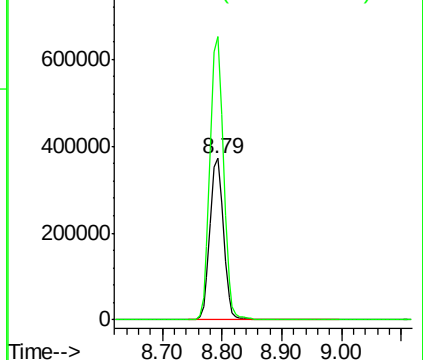
92 100

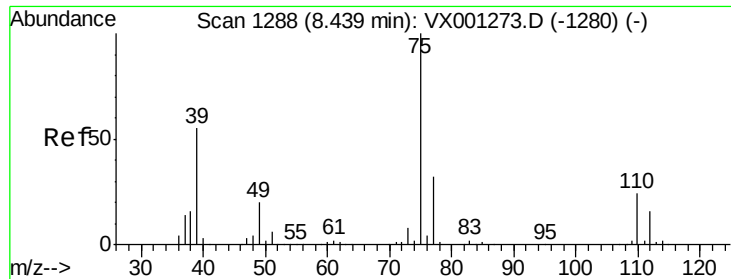
91 175.1 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





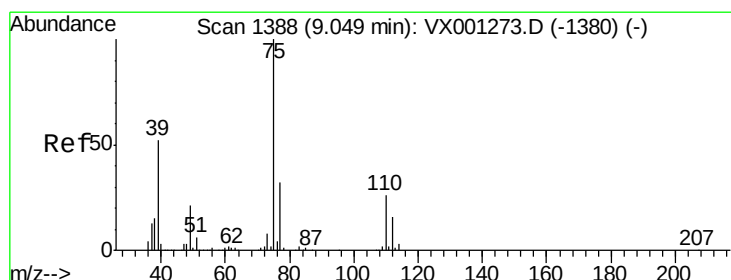
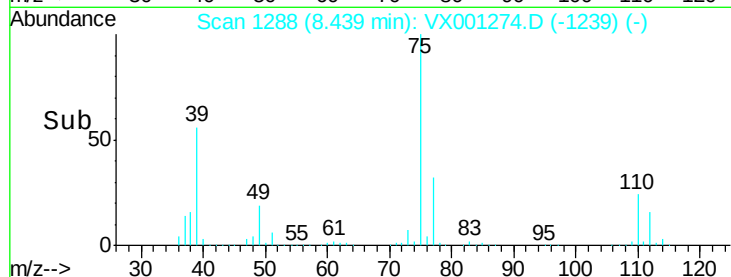
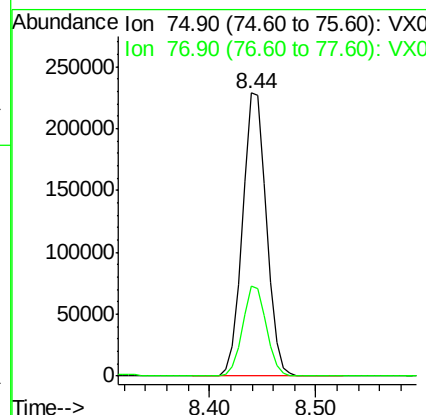
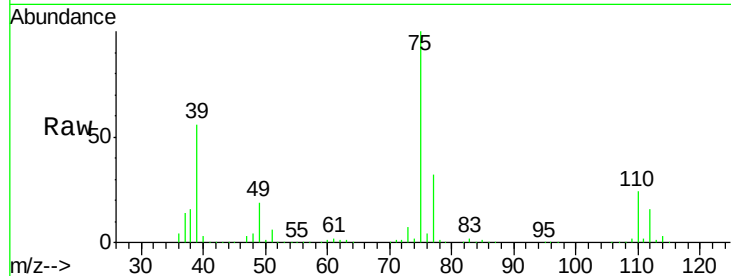
#53
t-1,3-Dichloropropene
Concen: 109.15 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 361705
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4

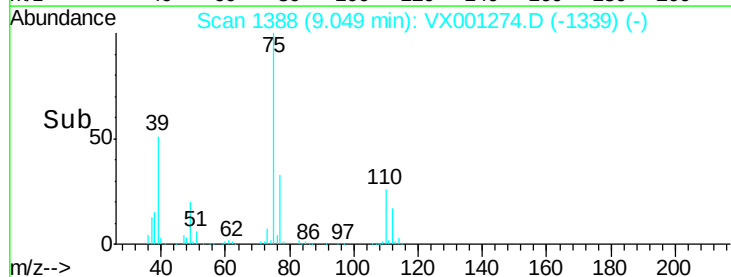
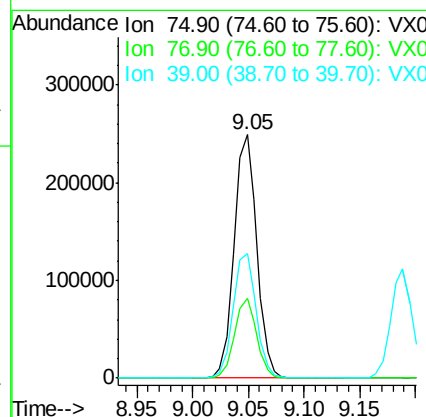
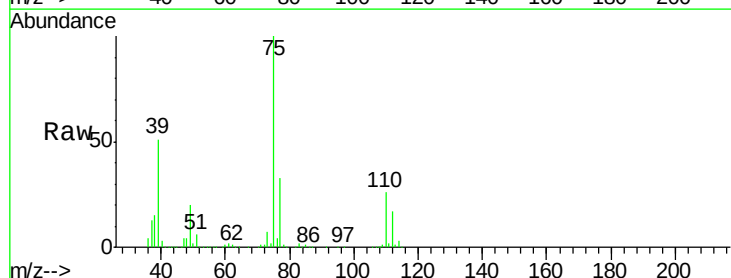
Manual Integrations
APPROVED

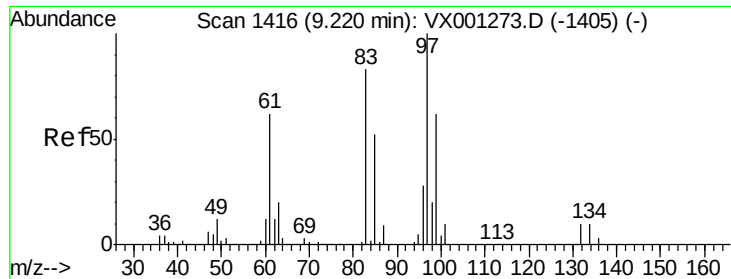
MMDadoda
5/2/2018 4:20:53 PM



#54
cis-1,3-Dichloropropene
Concen: 112.74 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion: 75 Resp: 350492
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3
39 50.9 41.9 62.9





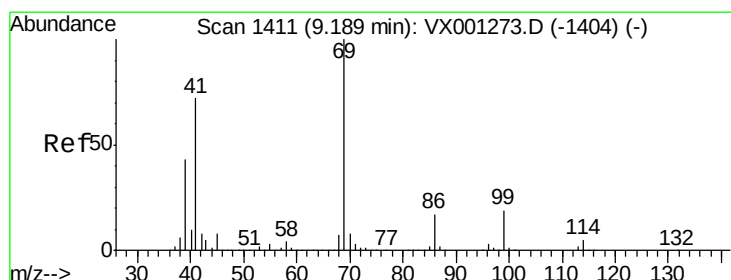
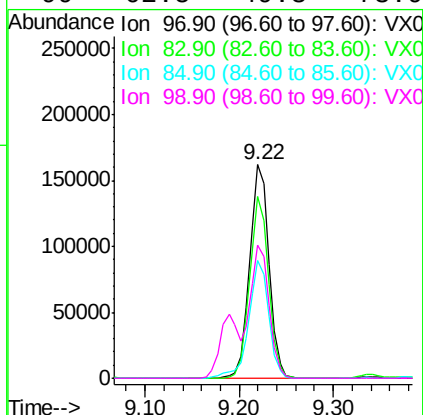
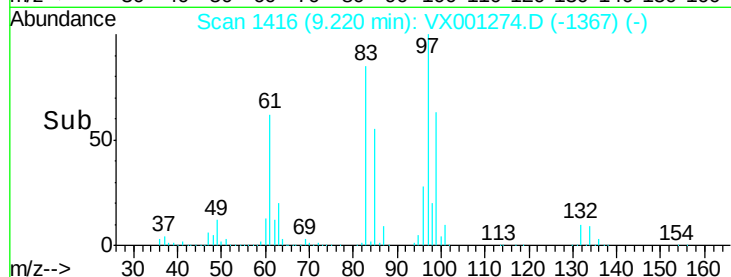
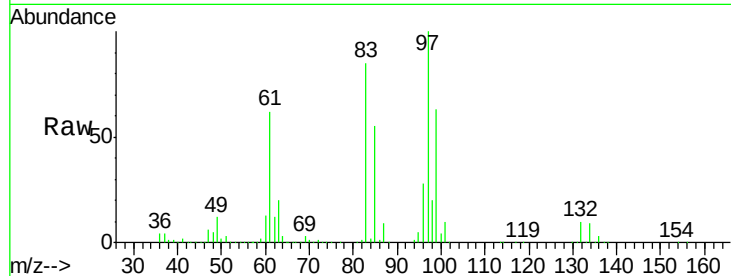
#55
 1,1,2-Trichloroethane
 Concen: 97.85 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	233497
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.4	99.6
85	54.9	41.6	62.4
99	62.5	49.3	73.9

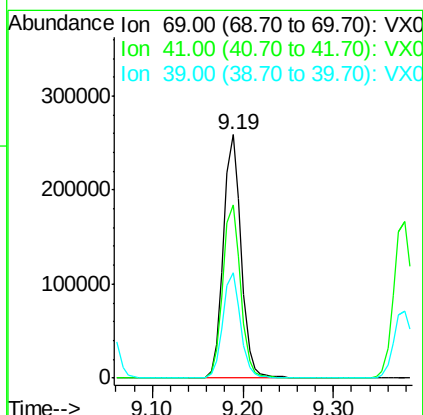
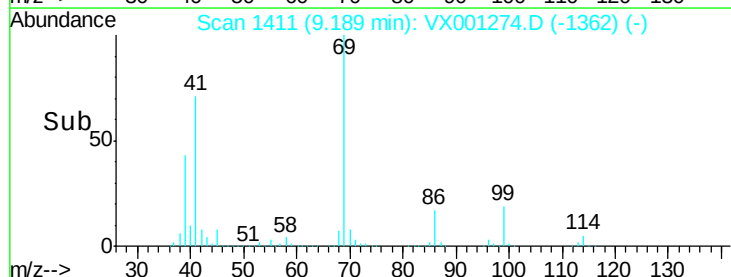
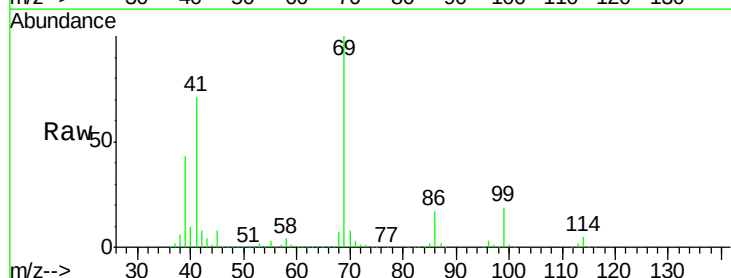
Manual Integrations
 APPROVED

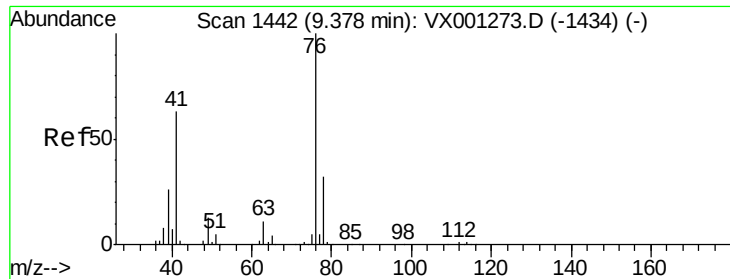
MMDadoda
 5/2/2018 4:20:53 PM



#56
 Ethyl methacrylate
 Concen: 101.28 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion:	69	Resp:	354158
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.2	85.8
39	43.0	34.3	51.5





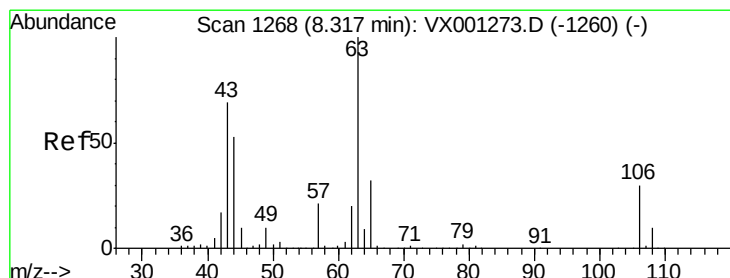
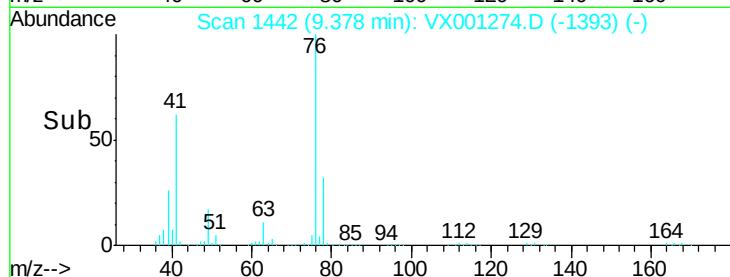
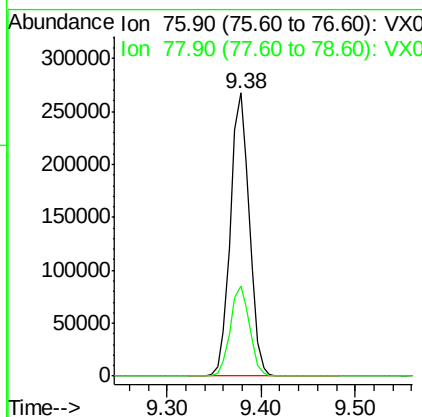
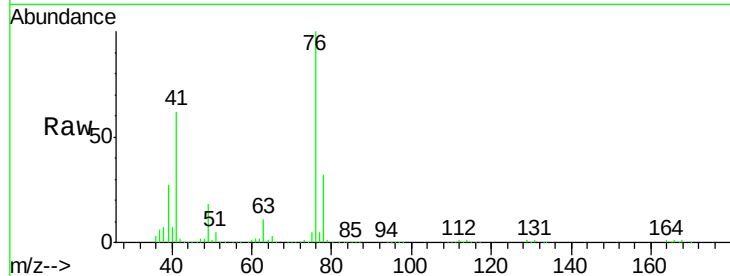
#57
 1,3-Dichloropropane
 Concen: 96.98 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

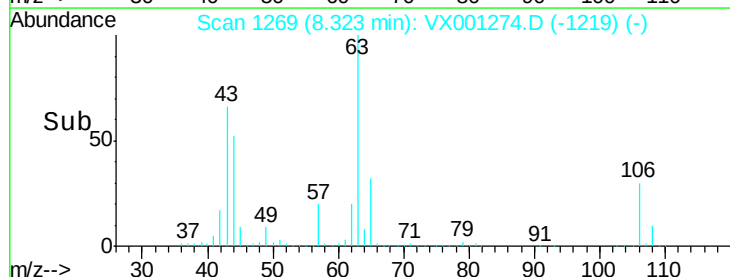
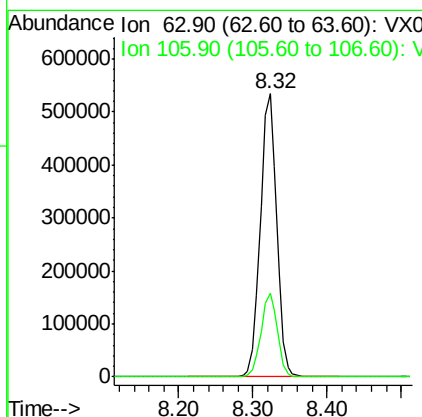
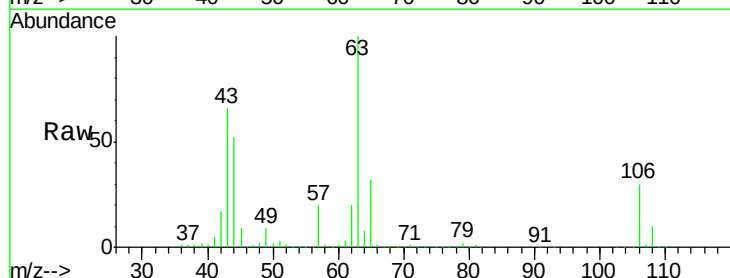
Manual Integrations
 APPROVED

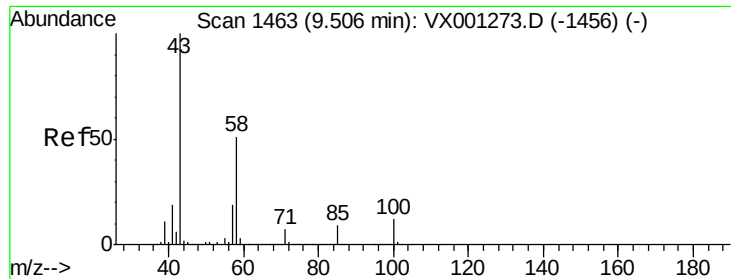
MMDadoda
 5/2/2018 4:20:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 497.17 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.8	35.6





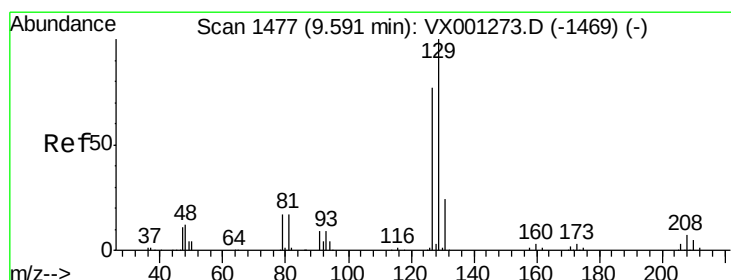
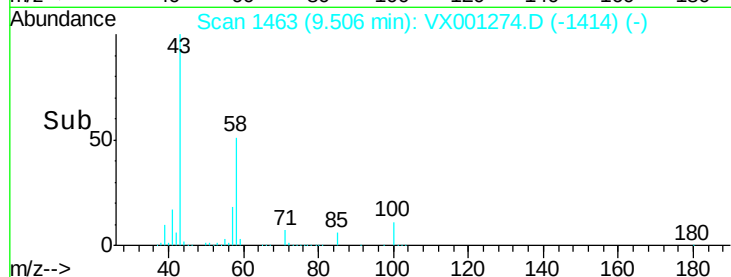
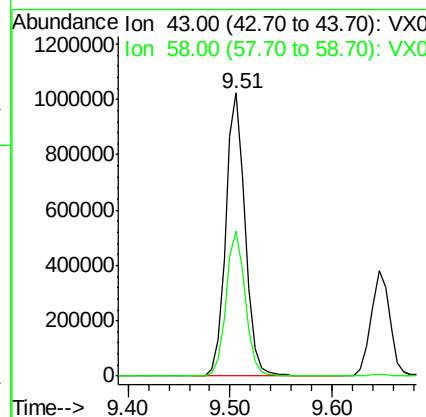
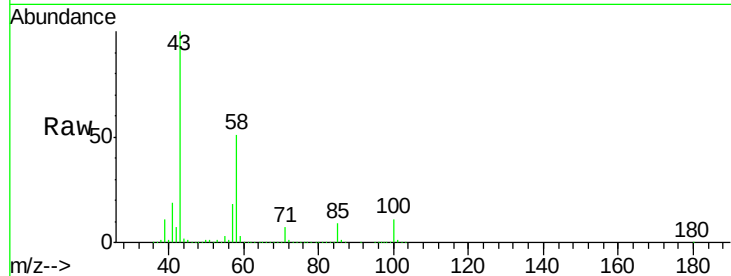
#59
2-Hexanone
Concen: 474.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1351630
Ion Ratio Lower Upper
43 100
58 51.2 25.7 77.0

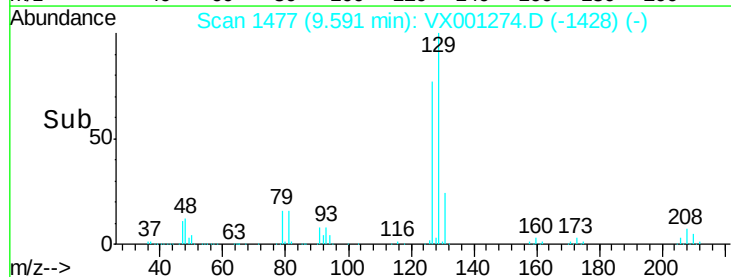
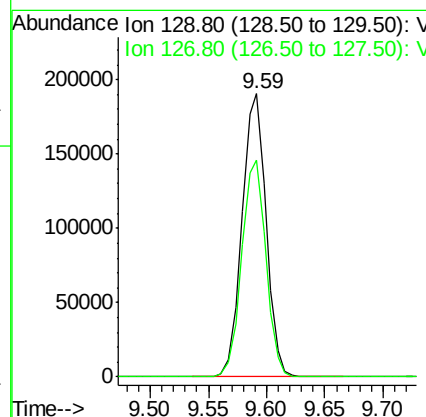
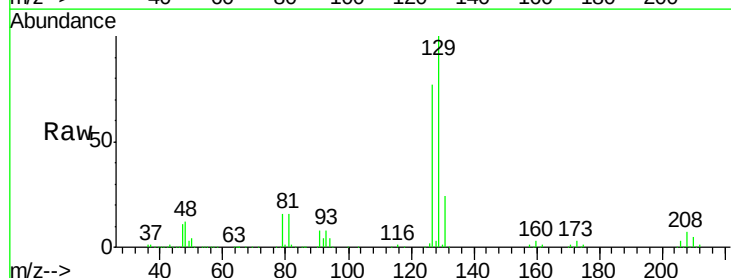
Manual Integrations
APPROVED

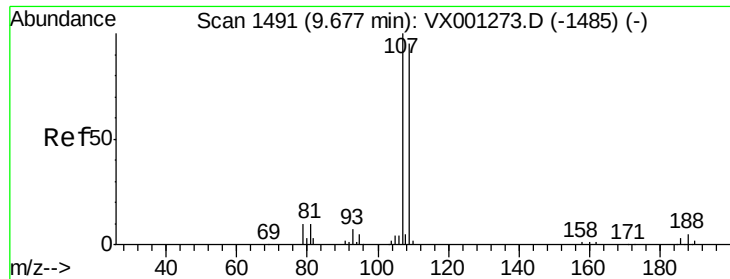
MMDadoda
5/2/2018 4:20:53 PM



#60
Dibromochloromethane
Concen: 113.90 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion: 129 Resp: 274520
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 101.82 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 253921

Ion Ratio Lower Upper

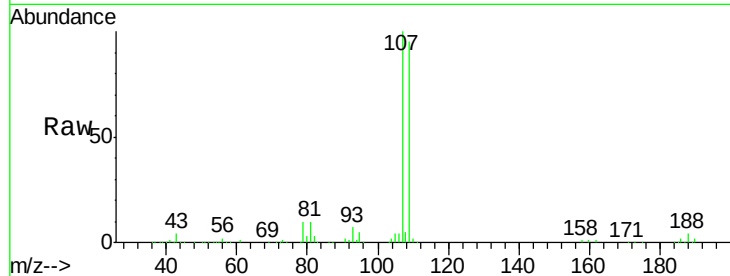
107 100

109 94.1 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

200000

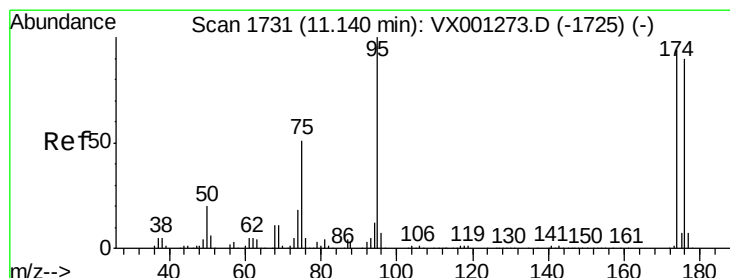
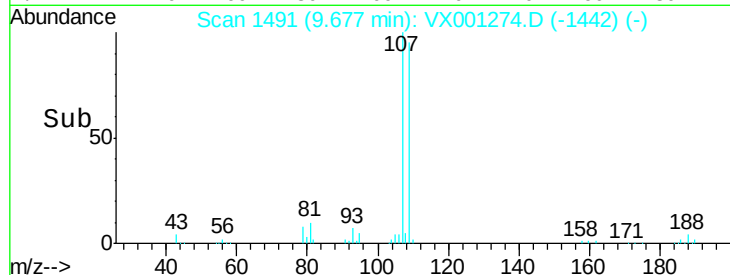
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 104.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

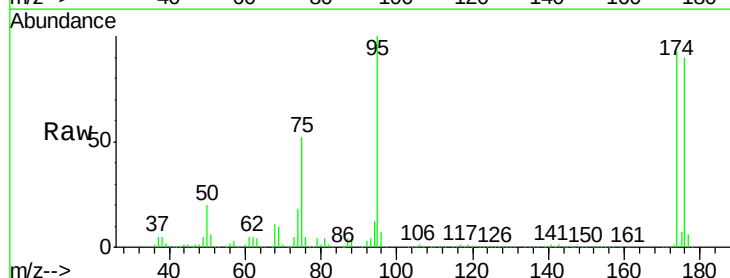
Tgt Ion: 95 Resp: 345091

Ion Ratio Lower Upper

95 100

174 101.2 0.0 201.8

176 98.6 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

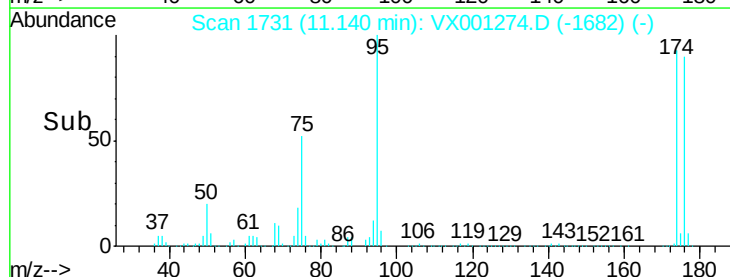
300000

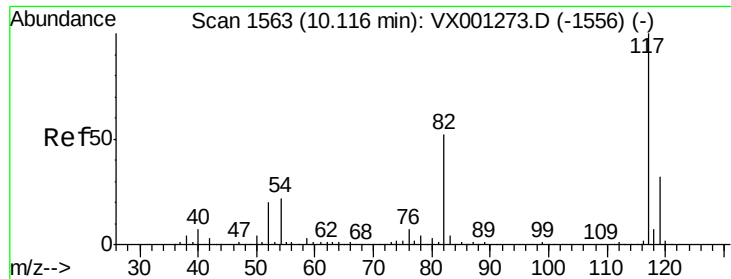
200000

100000

0

Time-->





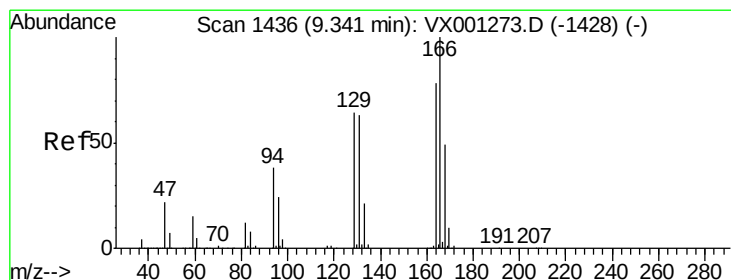
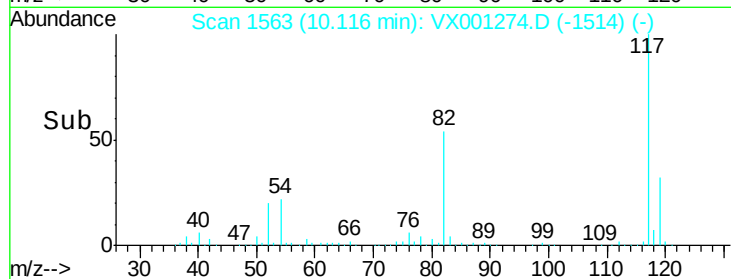
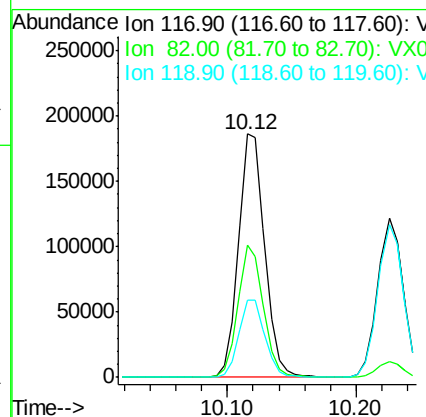
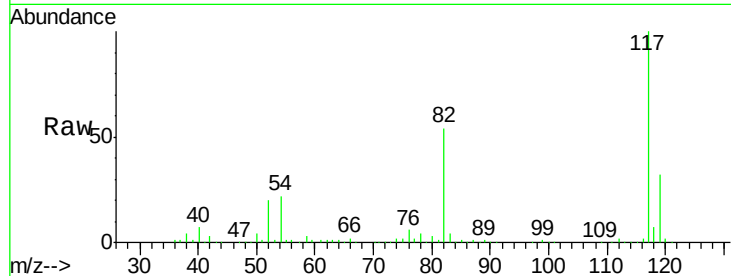
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.4	62.0
119	32.0	25.5	38.3

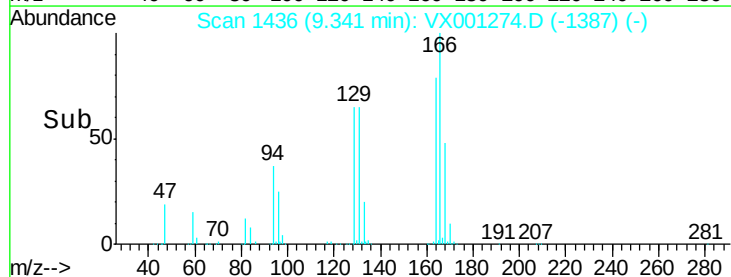
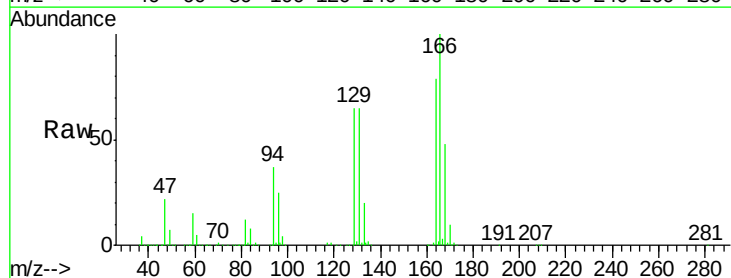
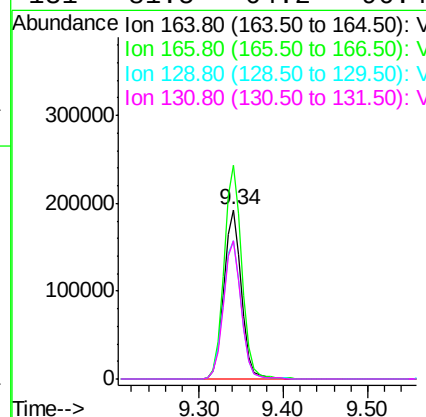
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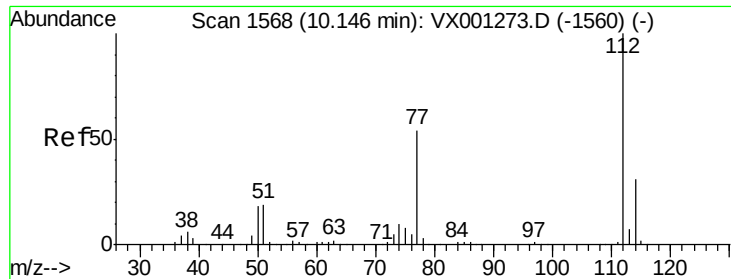
MMDadoda
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#64
Tetrachloroethene
Concen: 95.84 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.3	153.5
129	82.1	65.1	97.7
131	81.5	64.2	96.4





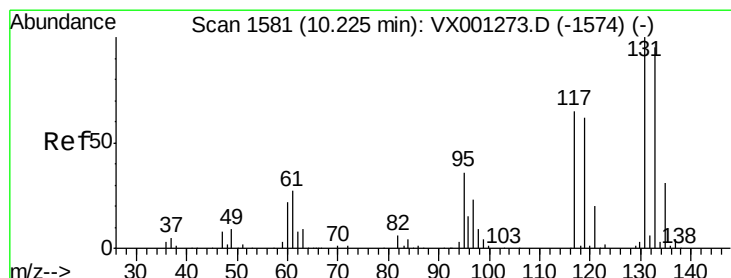
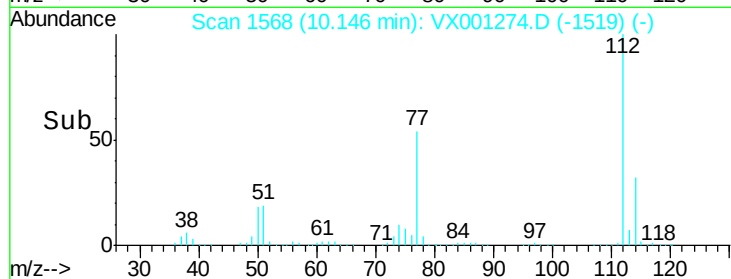
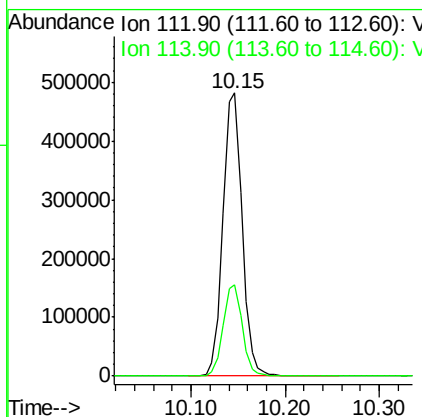
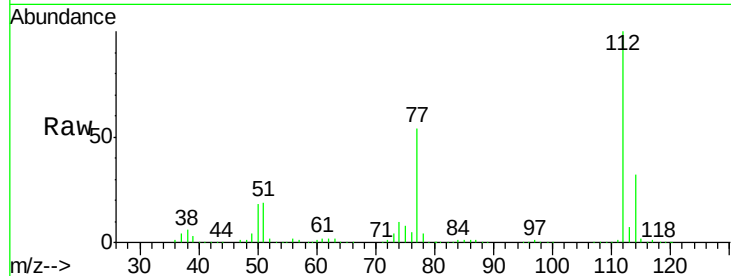
#65
Chlorobenzene
Concen: 97.89 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 681064
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2

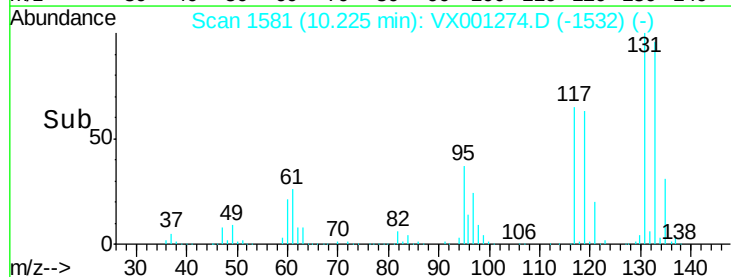
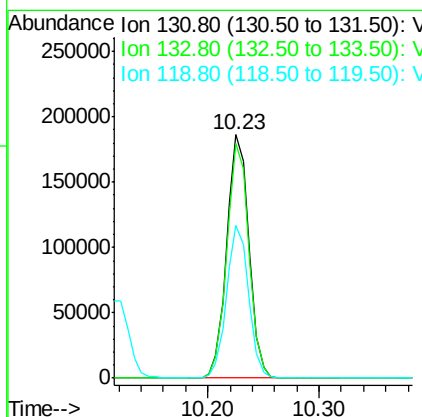
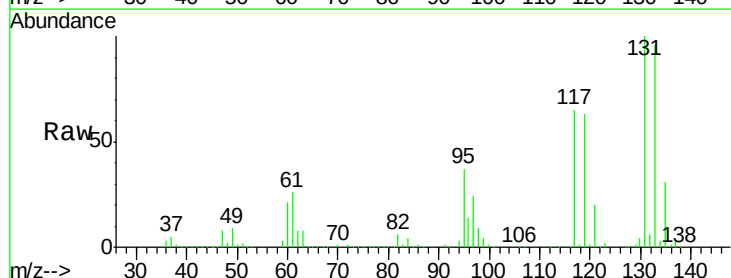
Manual Integrations
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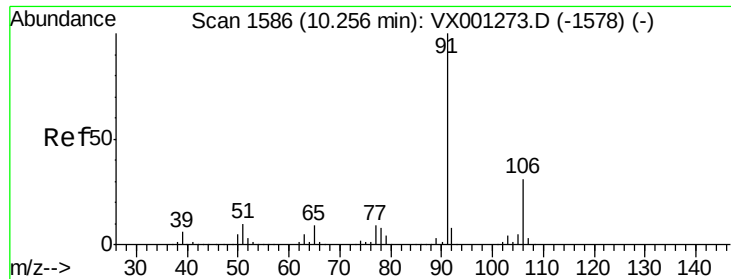
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#66
1,1,1,2-Tetrachloroethane
Concen: 106.57 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion:131 Resp: 256481
Ion Ratio Lower Upper
131 100
133 95.7 48.3 144.9
119 62.4 31.2 93.6





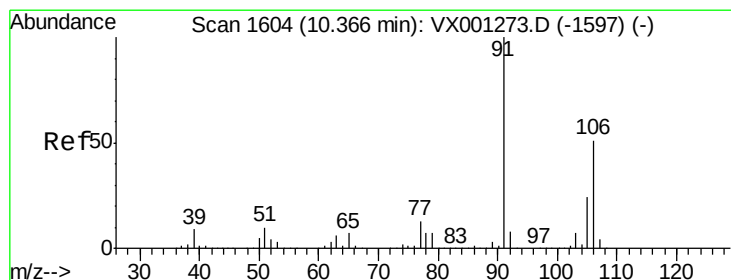
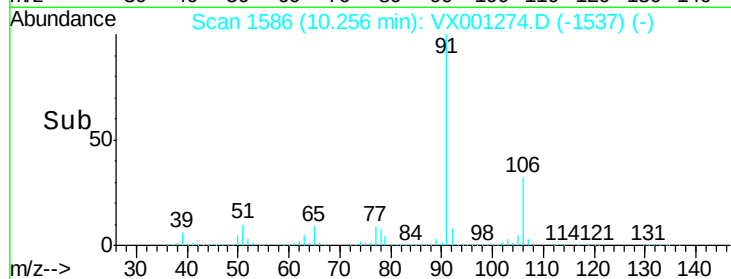
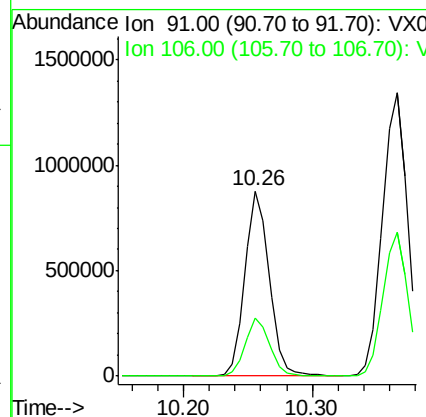
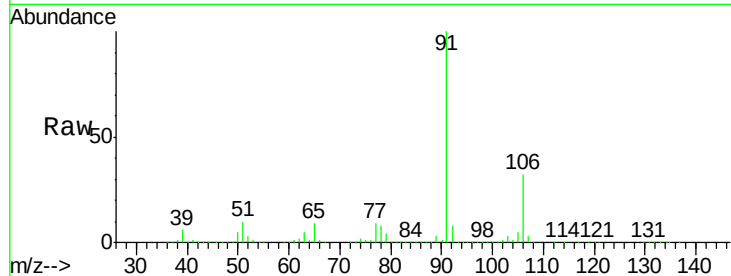
#67
Ethyl Benzene
Concen: 100.75 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1145105
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

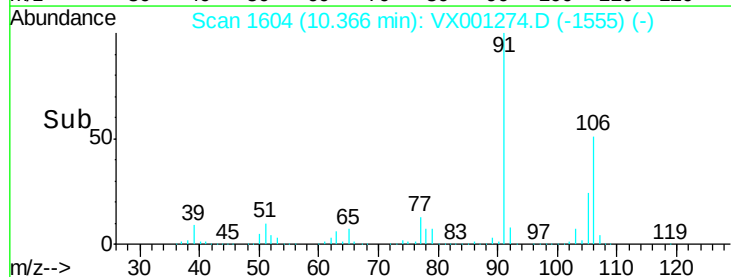
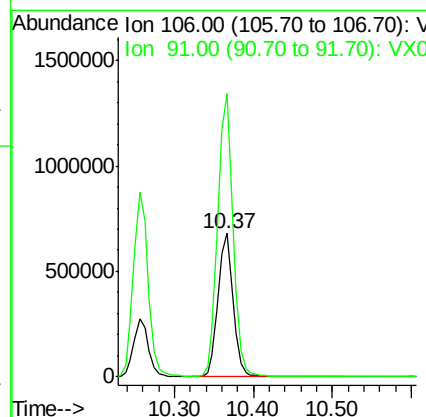
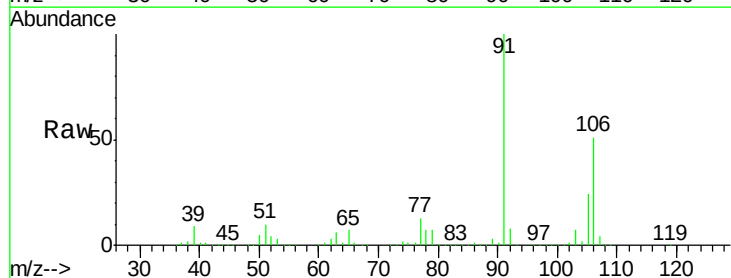
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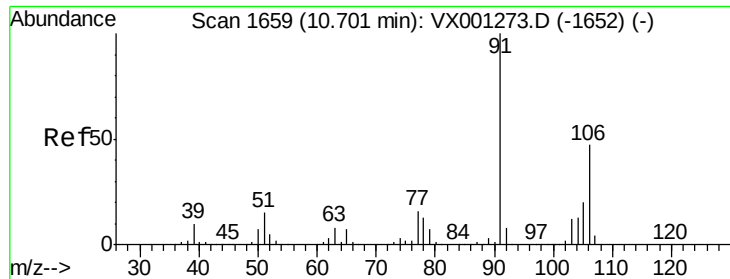
MMDadoda
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#68
m/p-Xylenes
Concen: 204.65 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion: 106 Resp: 919824
Ion Ratio Lower Upper
106 100
91 200.0 159.4 239.2





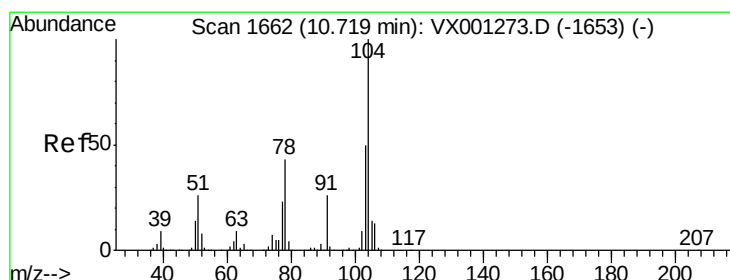
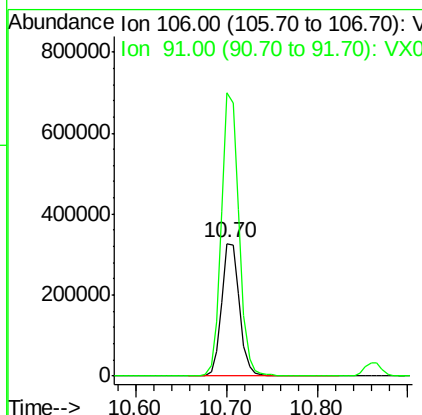
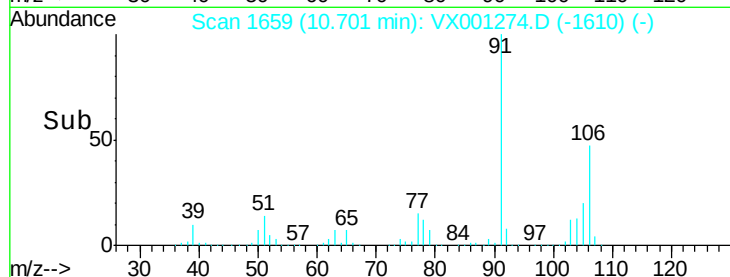
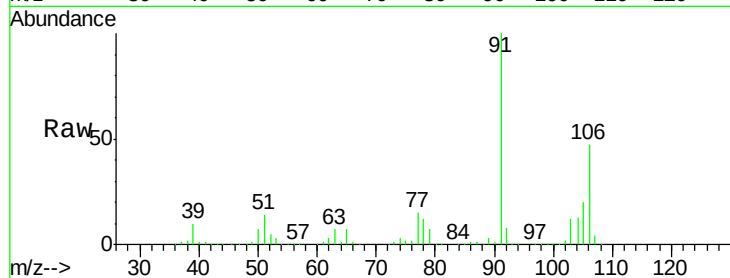
#69
o-Xylene
Concen: 103.60 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		449741		
91	210.8	106.3	319.0		

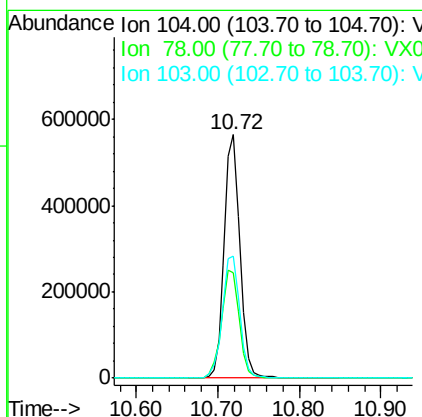
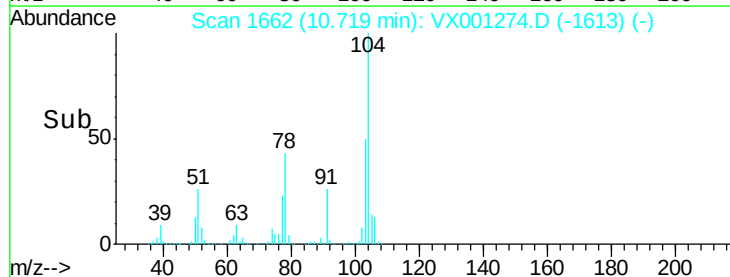
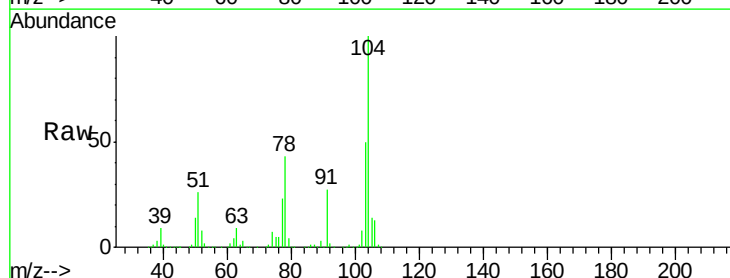
Manual Integrations
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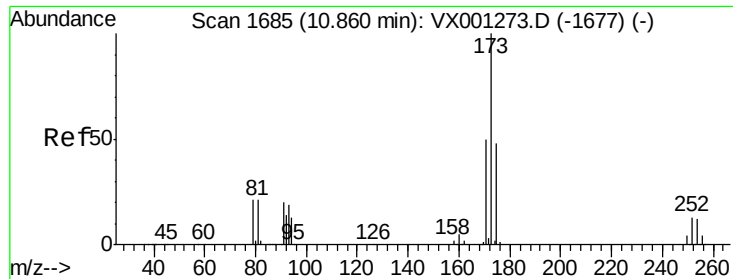
MMDadoda
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#70
Styrene
Concen: 104.97 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		757172		
78	50.1	40.1	60.1		
103	55.6	44.5	66.7		





#71

Bromoform

Concen: 114.39 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

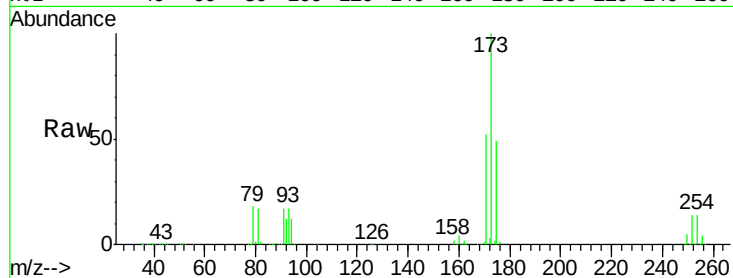
ClientSampled :

VSTDIC100

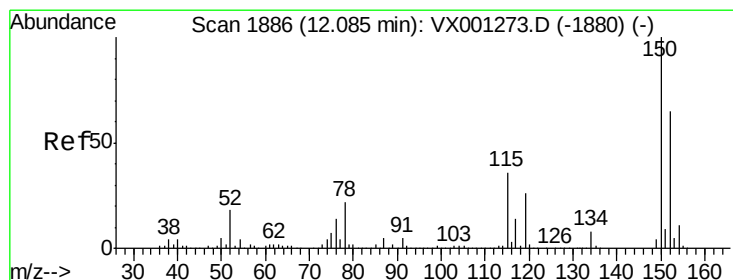
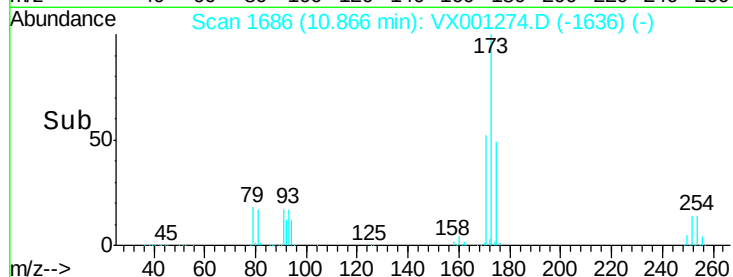
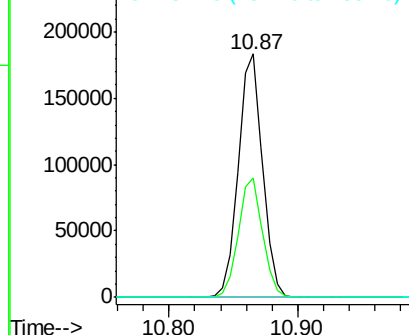
Tot Ion:	173	Resp:	238987
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.6	74.0
254	0.2	0.2	0.2

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

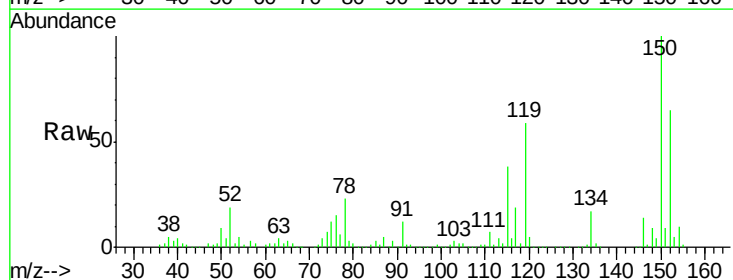
RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

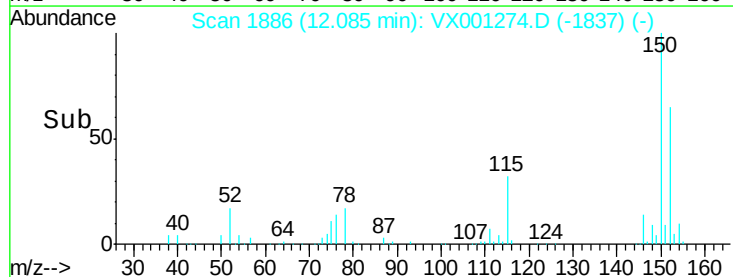
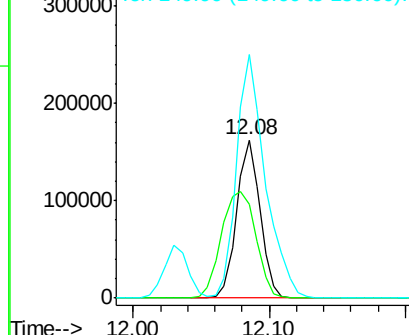
Lab File: VX001274.D

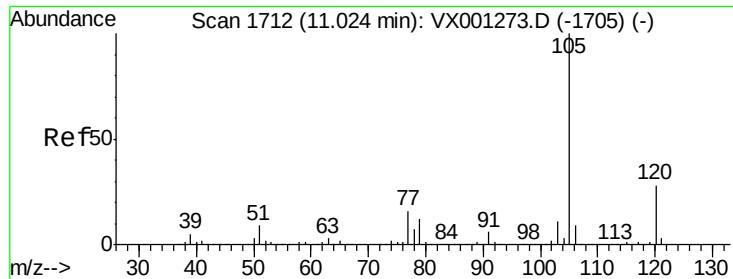
Acq: 01 May 2018 12:46

Tgt Ion:	152	Resp:	194087
Ion Ratio	Lower	Upper	
152	100		
115	99.5	38.6	115.7
150	189.5	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: 95.62 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1216055

Ion Ratio Lower Upper

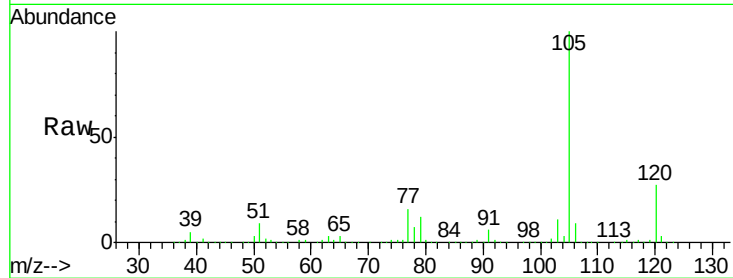
105 100

120 27.2 13.7 41.1

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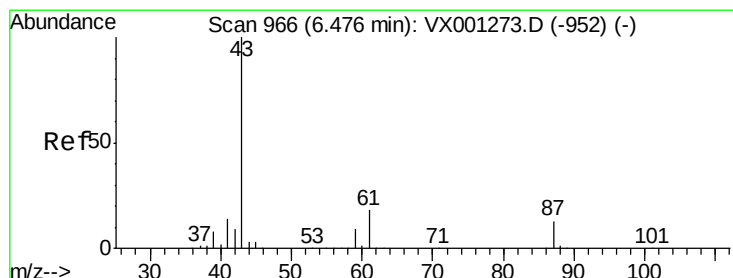
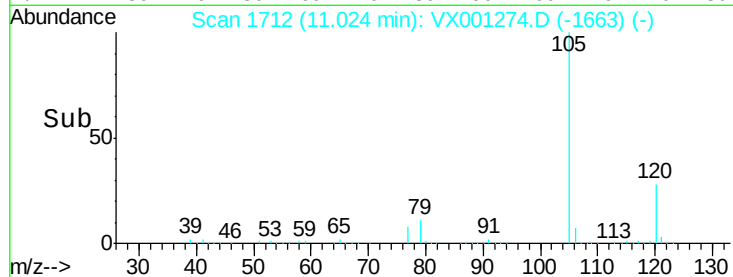
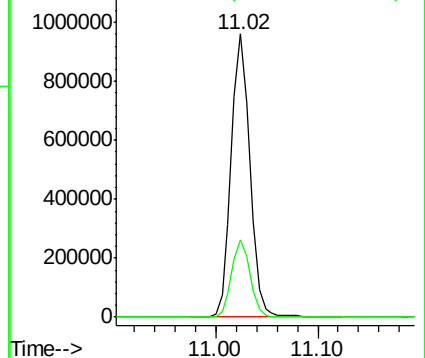
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 82.09 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion: 43 Resp: 513705

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

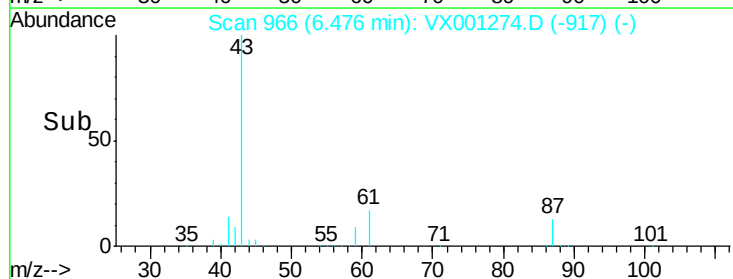
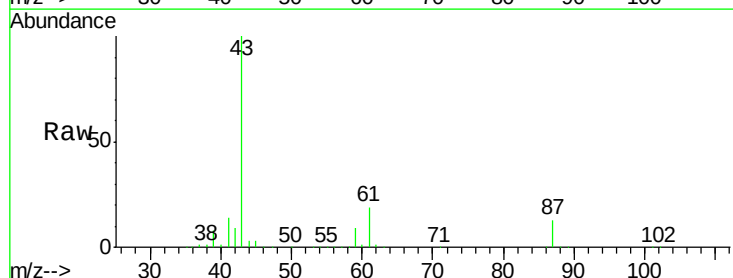
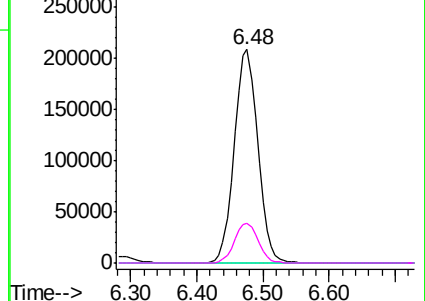
61 18.9 15.0 22.4

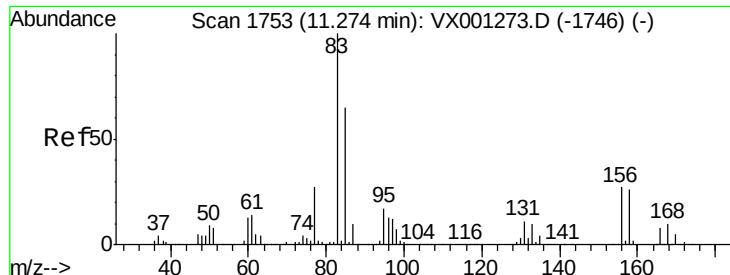
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 89.82 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

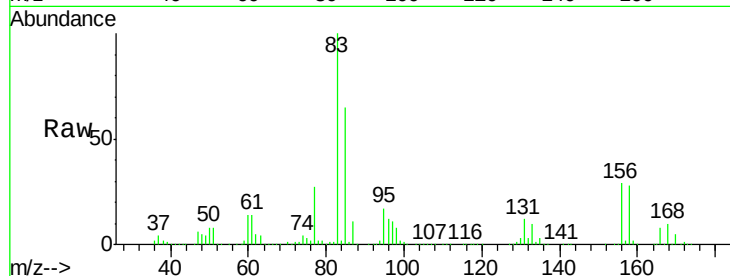
ClientSampleId :

VSTDIC100

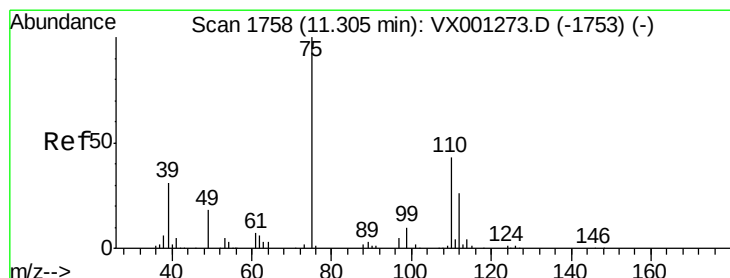
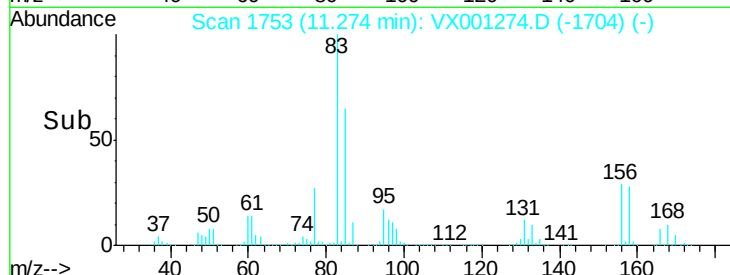
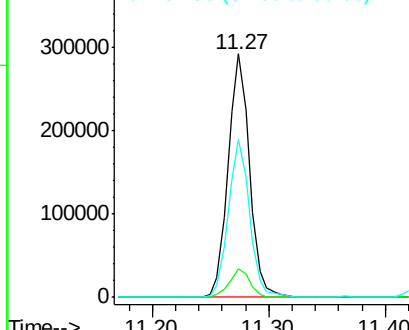
Tot Ion:	83	Resp:	372794
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	64.5	32.6	97.7

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



#76

1,2,3-Trichloropropane

Concen: 90.22 ug/l m

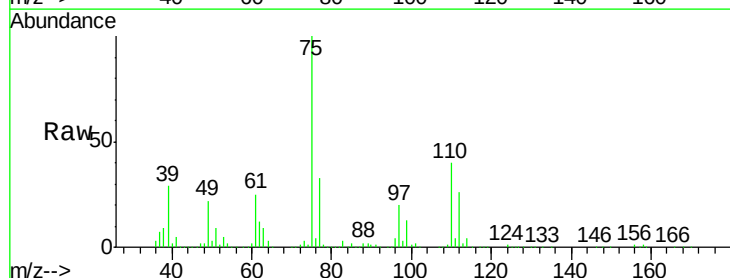
RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

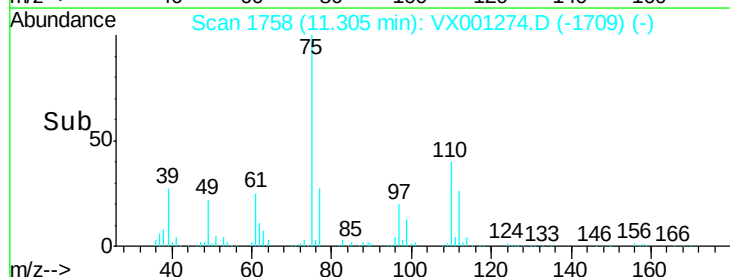
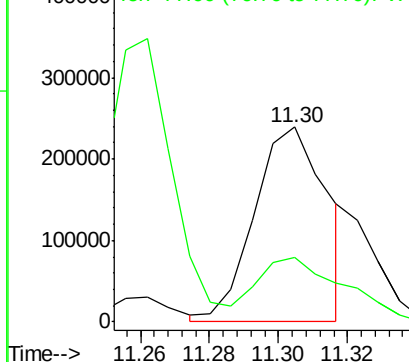
Lab File: VX001274.D

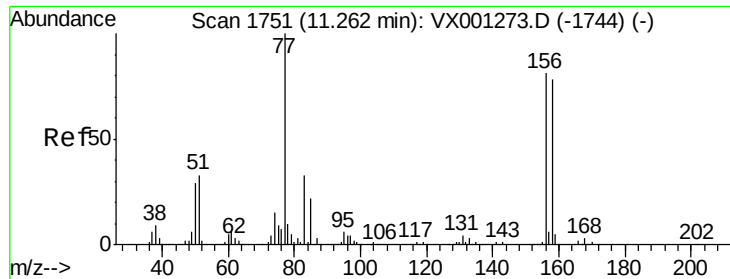
Acq: 01 May 2018 12:46

Tgt Ion:	75	Resp:	351075
Ion Ratio	Lower	Upper	
75	100		
77	39.0	18.9	56.5



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





#77

Bromobenzene

Concen: 93.44 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

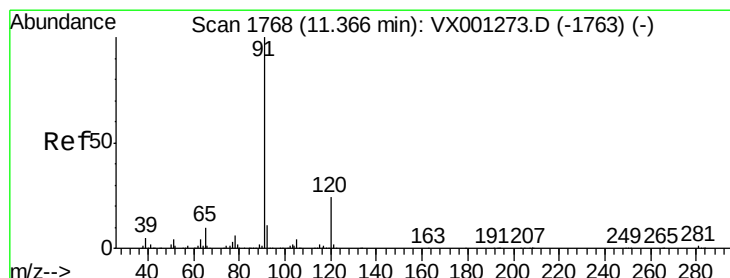
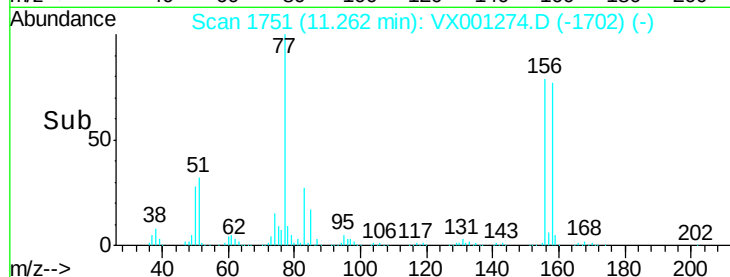
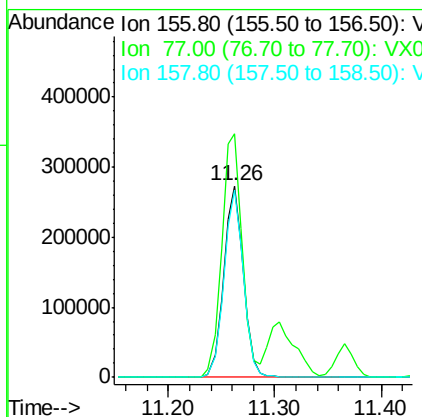
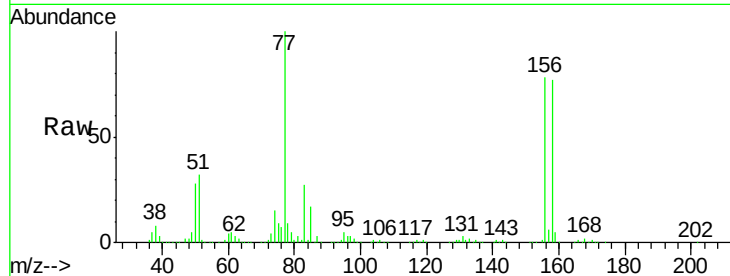
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	351151
Ion Ratio	Lower	Upper	
156	100		
77	132.8	65.3	195.8
158	97.2	48.5	145.5

Manual Integrations
APPROVED

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5/2/2018 4:20:53 PM



#78

n-propylbenzene

Concen: 97.09 ug/l

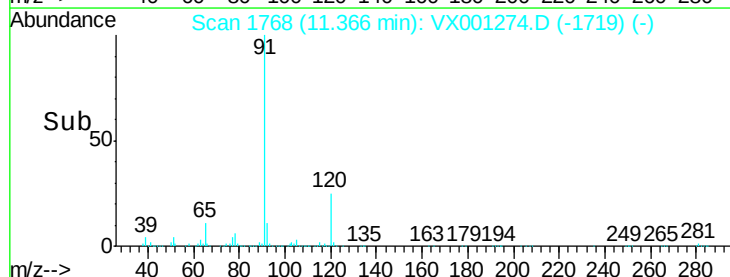
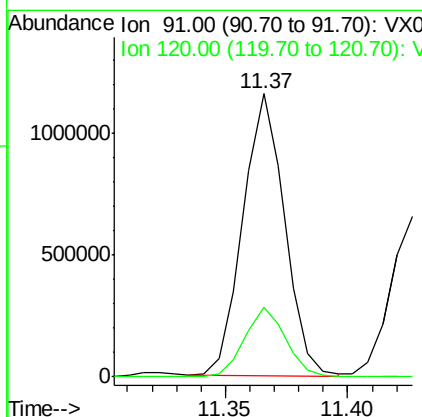
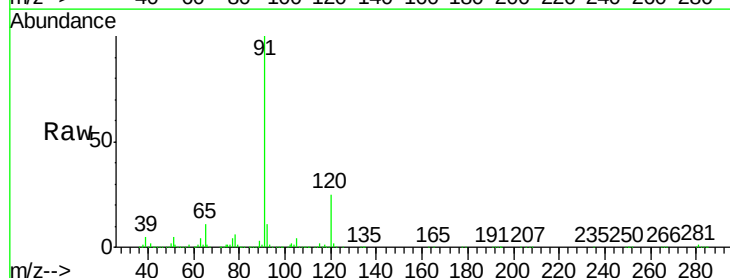
RT: 11.37 min Scan# 1768

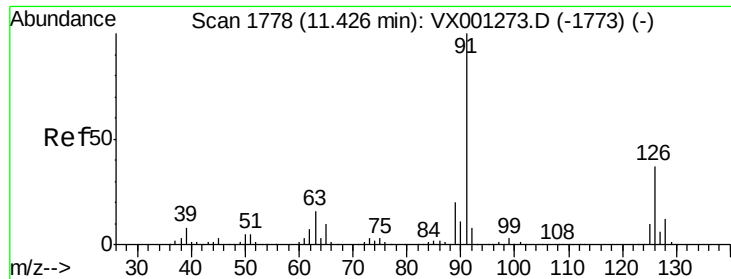
Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Tgt Ion:	91	Resp:	1375826
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.8





#79

2-Chlorotoluene

Concen: 93.28 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 817109

Ion Ratio Lower Upper

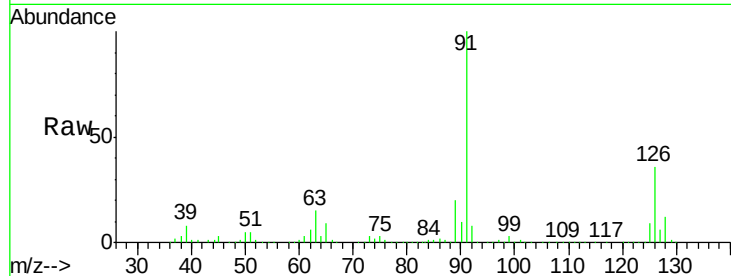
91 100

126 36.8 18.4 55.4

Manual Integrations
APPROVED

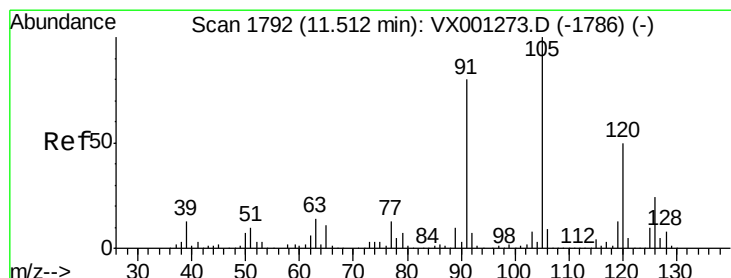
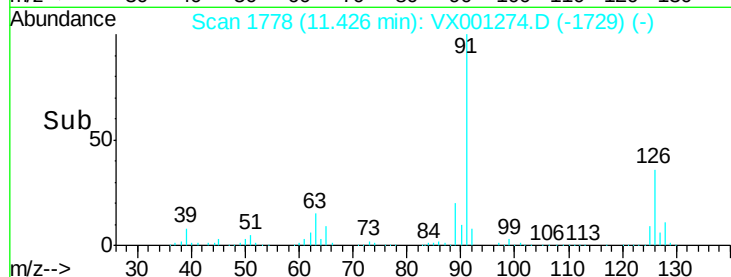
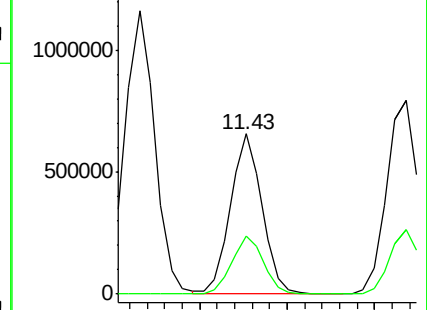
MMDadoda

5/2/2018 4:20:53 PM



Abundance Ion 91.00 (90.70 to 91.70): VX001273.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001273.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 98.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001274.D

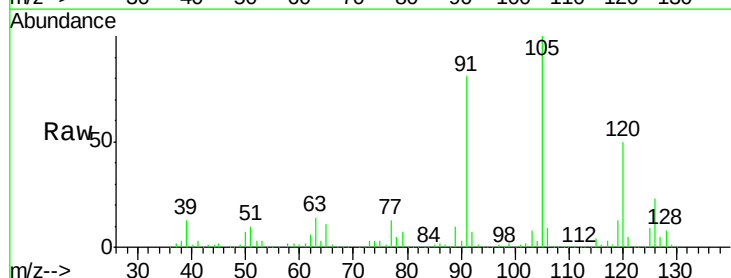
Acq: 01 May 2018 12:46

Tgt Ion: 105 Resp: 1057182

Ion Ratio Lower Upper

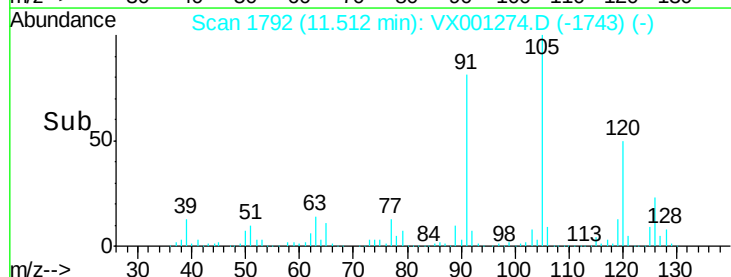
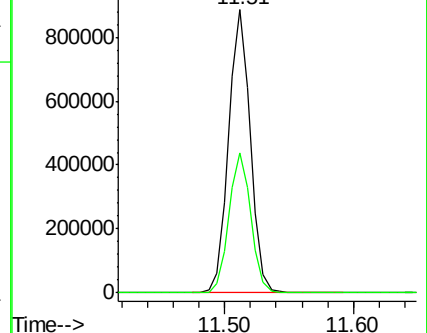
105 100

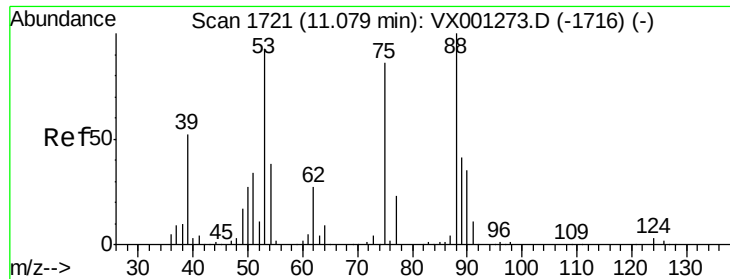
120 49.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001273.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001273.D (-1786) (-)





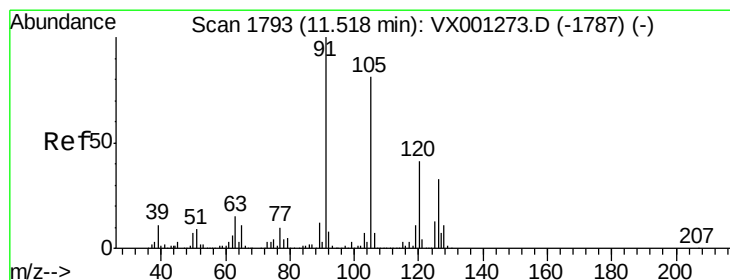
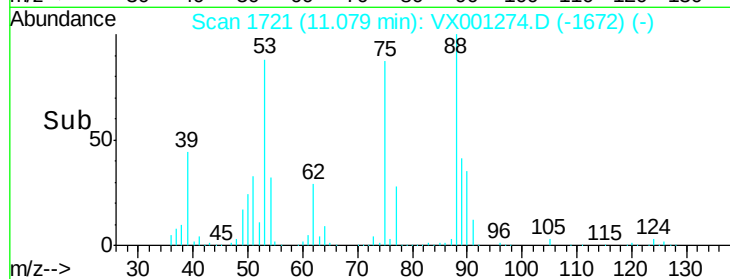
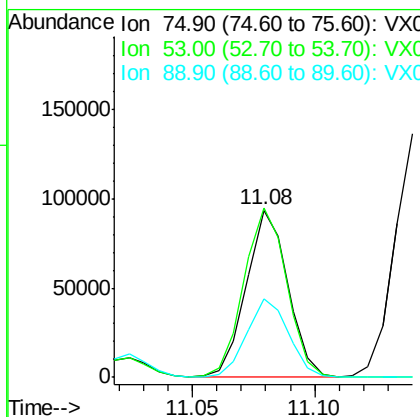
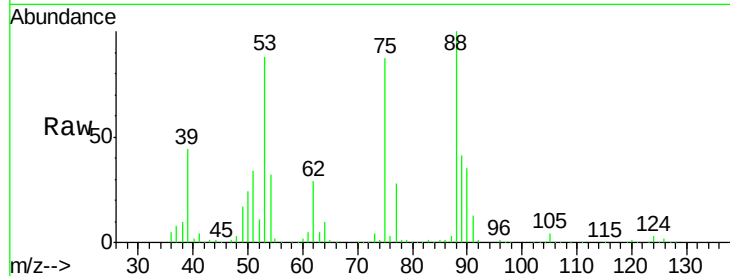
#81
trans-1,4-Dichloro-2-butene
Concen: 112.64 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	87.1	130.7
89	47.9	38.9	58.3

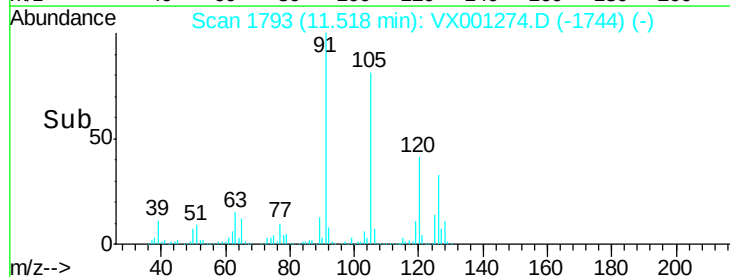
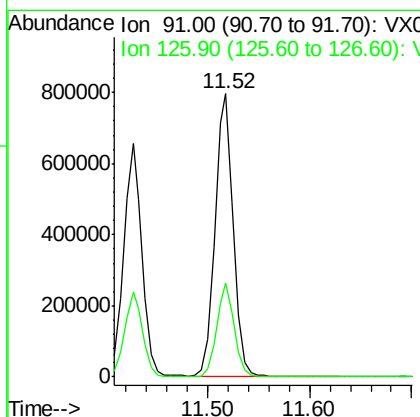
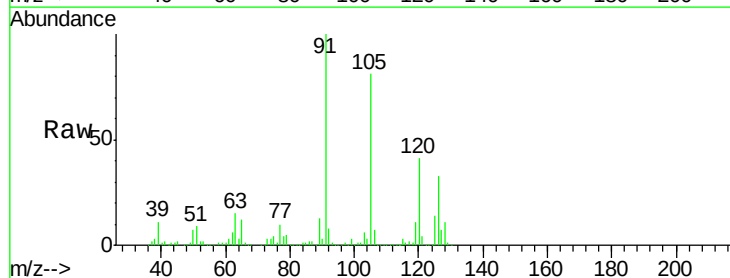
Manual Integrations
APPROVED

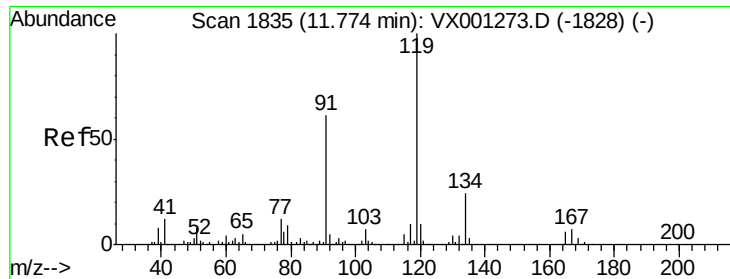
MMDadoda
5/2/2018 4:20:53 PM



#82
4-Chlorotoluene
Concen: 96.06 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2





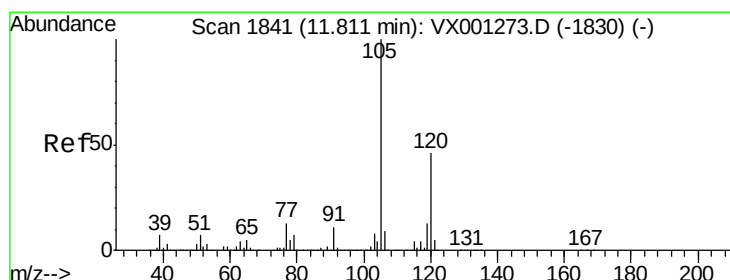
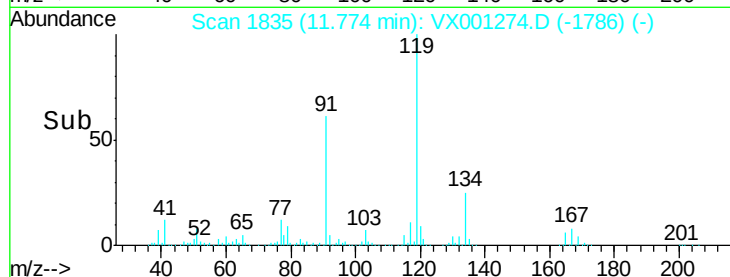
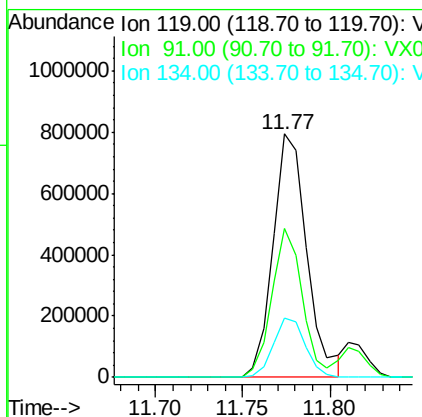
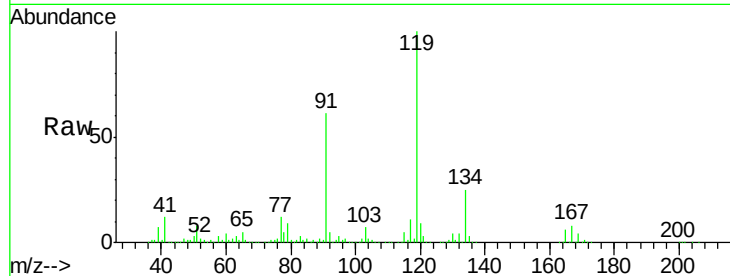
#83
 tert-Butylbenzene
 Concen: 99.58 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	28.1	84.3
134	23.2	11.8	35.3

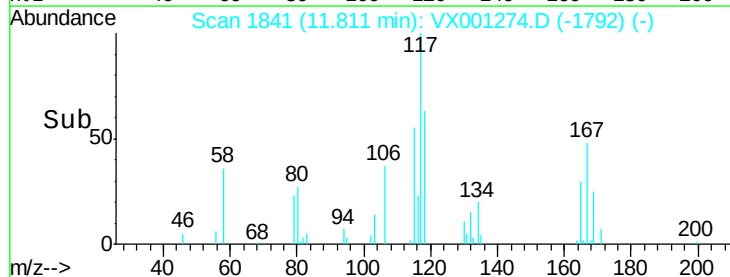
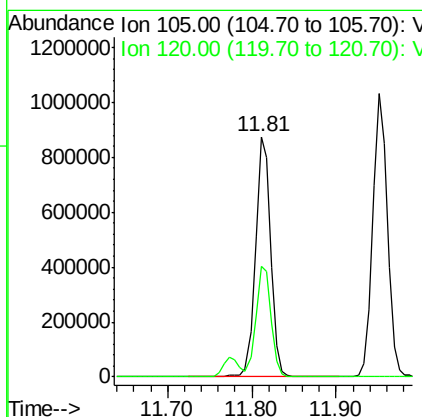
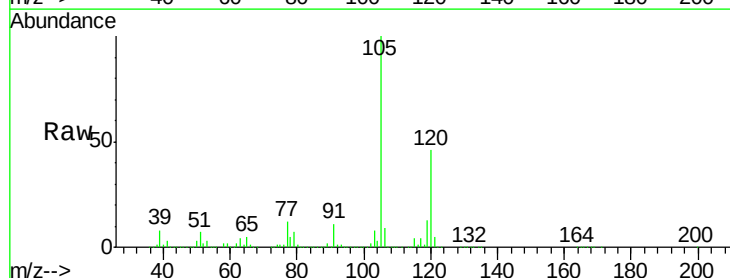
Manual Integrations
 APPROVED

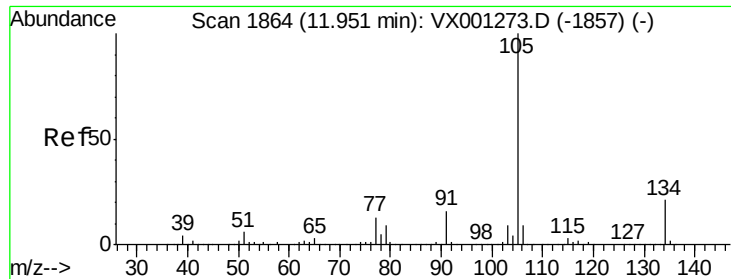
MMDadoda
 5/2/2018 4:20:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 97.36 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.7	68.1





#85

sec-Butylbenzene

Concen: 99.45 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1255968

Ion Ratio Lower Upper

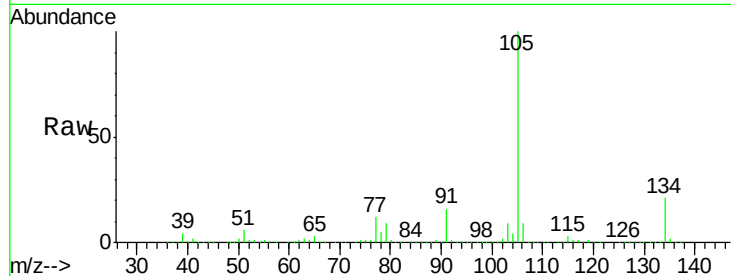
105 100

134 21.4 10.7 31.9

Manual Integrations
APPROVED

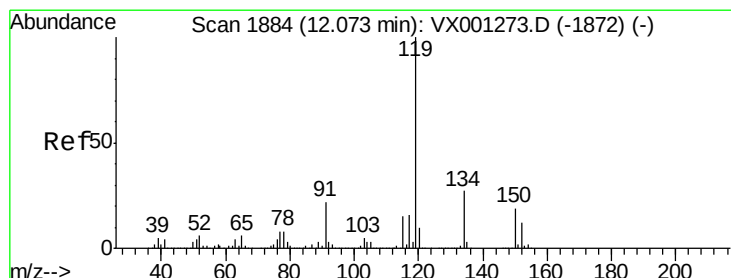
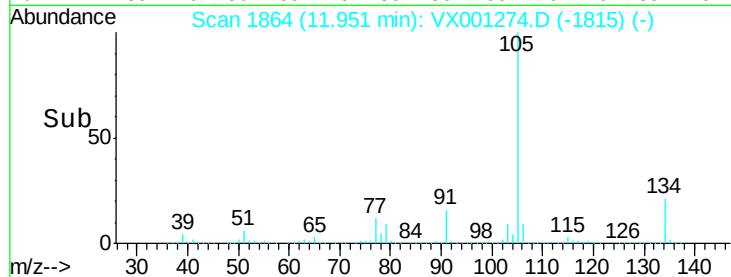
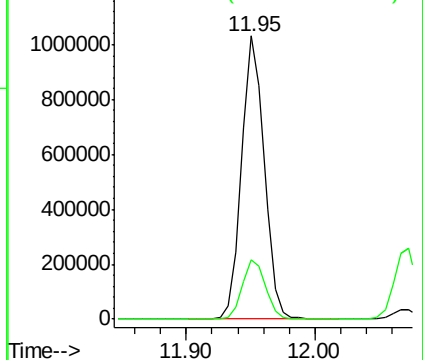
MMDadoda

5/2/2018 4:20:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 99.41 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

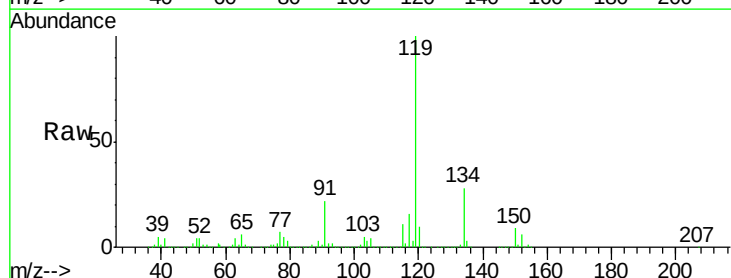
Tgt Ion:119 Resp: 1164796

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

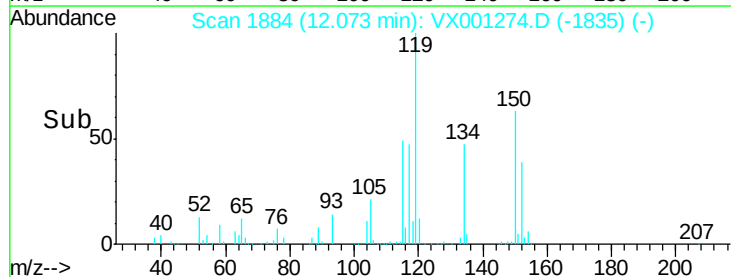
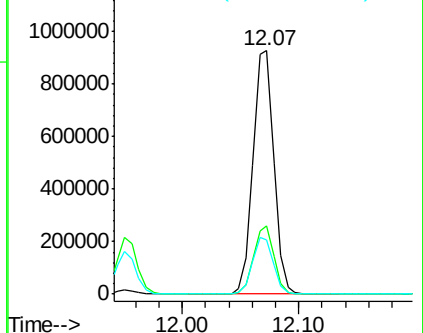
91 23.2 11.7 35.1

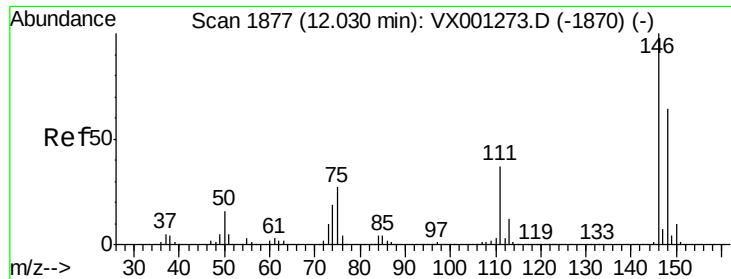


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





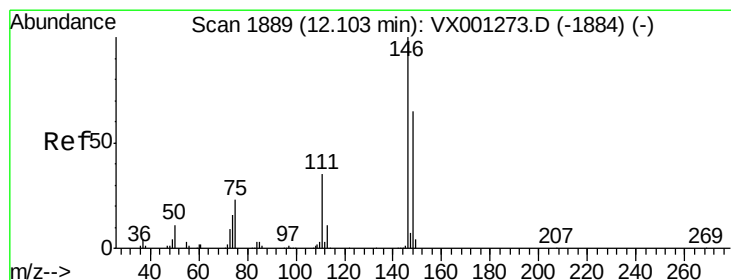
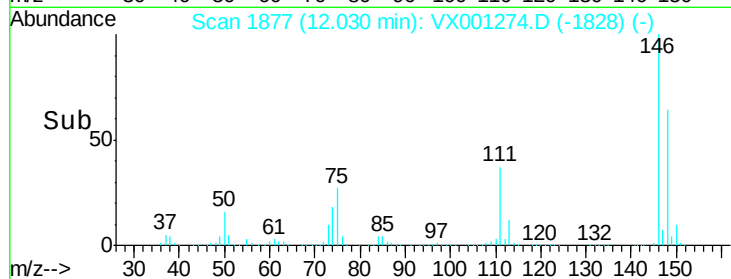
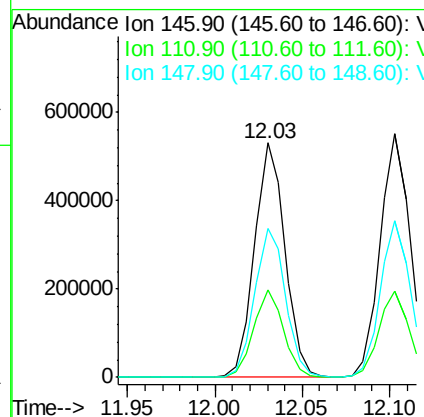
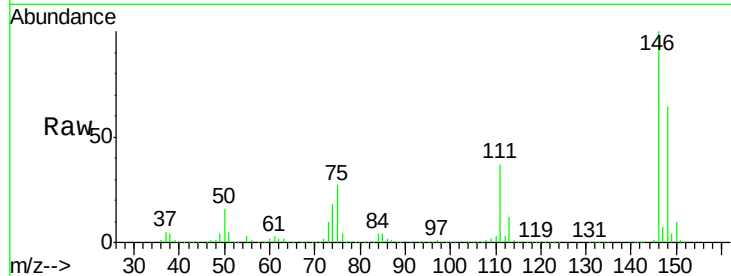
#87
 1,3-Dichlorobenzene
 Concen: 95.72 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.2
148	64.2	32.2	96.6

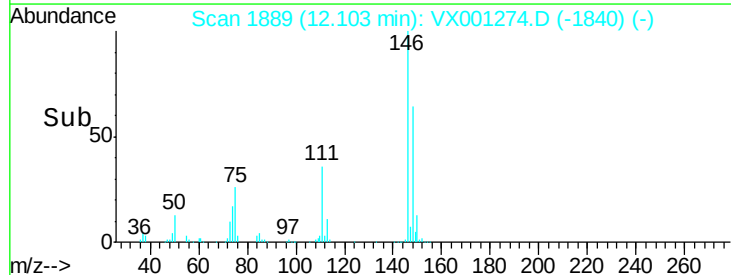
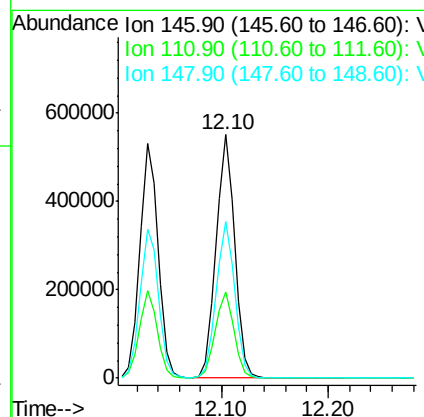
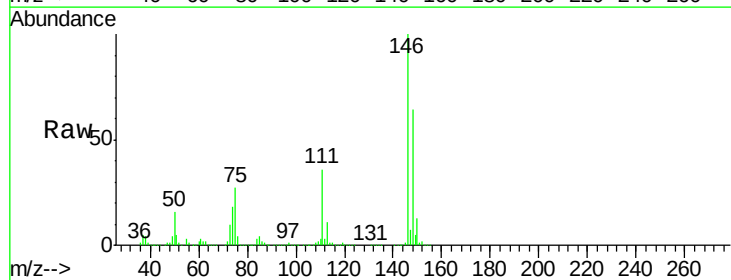
Manual Integrations
 APPROVED

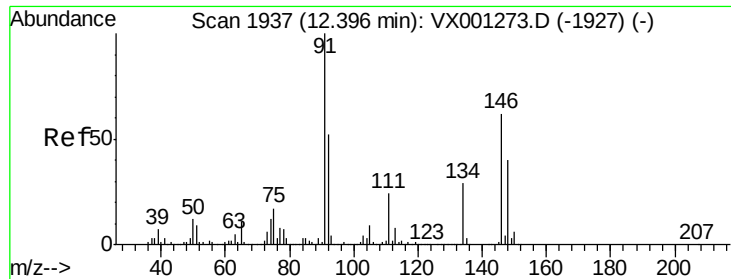
MMDadoda
 5/2/2018 4:20:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 93.66 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.9	53.7
148	64.0	32.3	96.8





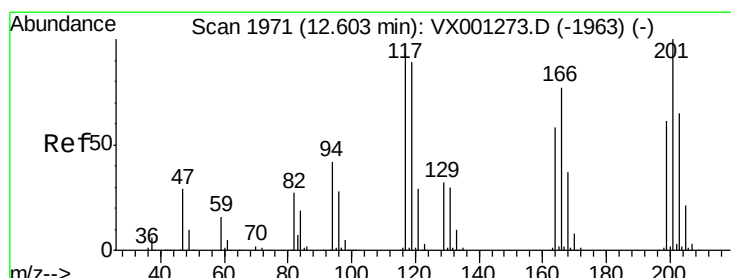
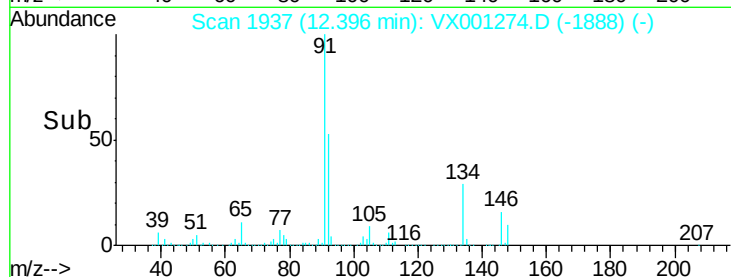
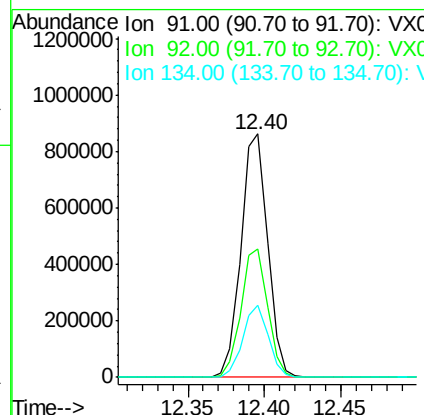
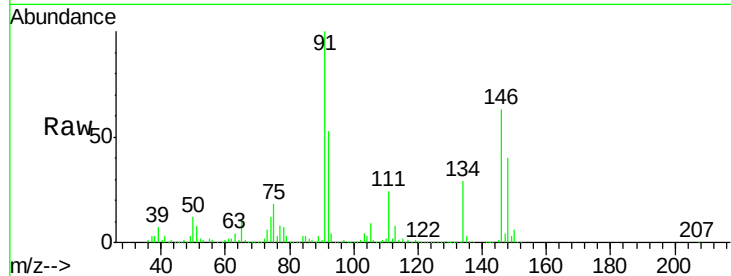
#89
n-Butylbenzene
Concen: 102.45 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1040579
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.5
134 28.4 14.0 42.0

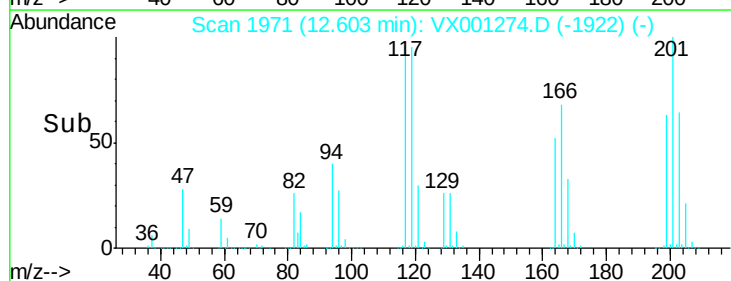
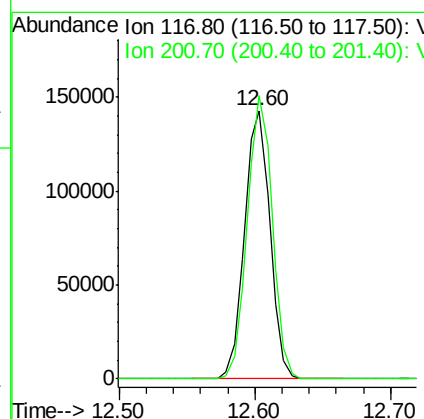
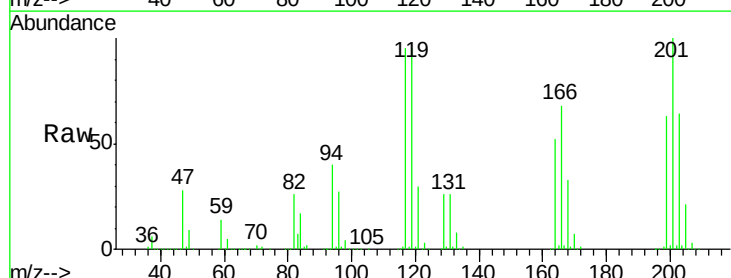
Manual Integrations
APPROVED

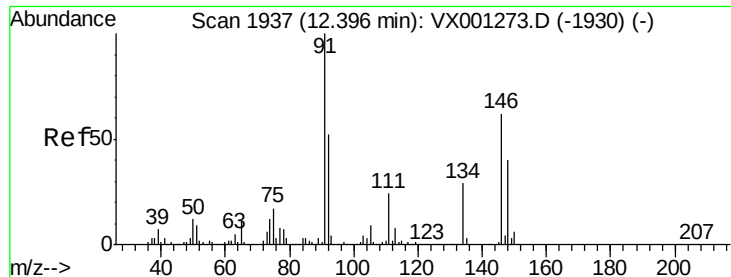
MMDadoda
5/2/2018 4:20:53 PM



#90
Hexachloroethane
Concen: 111.67 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001274.D
Acq: 01 May 2018 12:46

Tgt Ion: 117 Resp: 185880
Ion Ratio Lower Upper
117 100
201 104.2 51.6 154.8





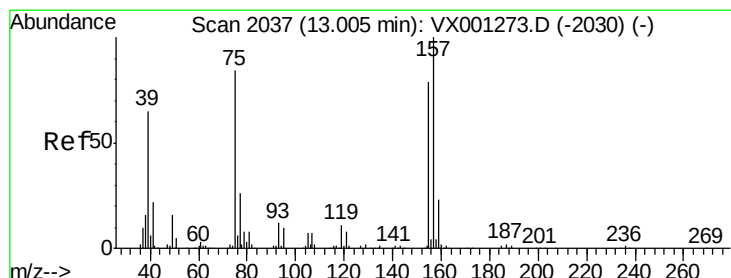
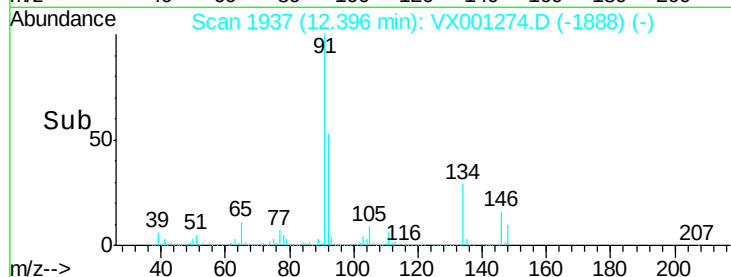
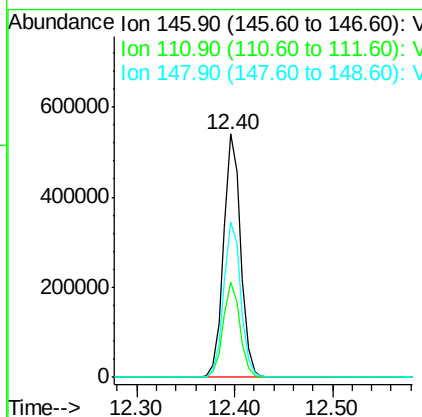
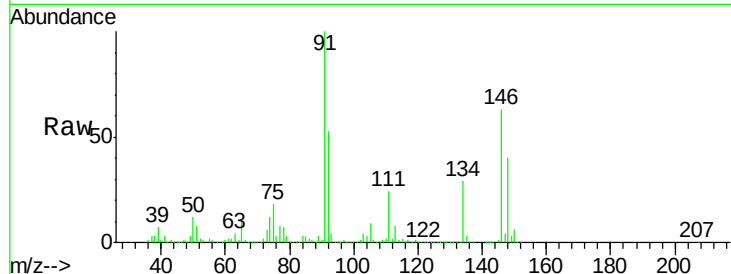
#91
 1,2-Dichlorobenzene
 Concen: 95.23 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	64.1	32.4	97.0

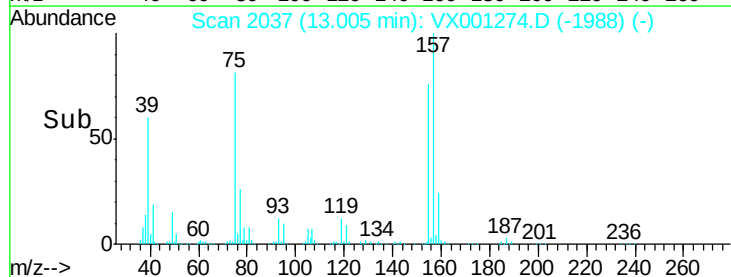
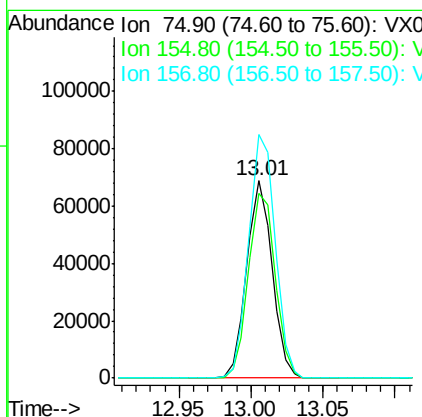
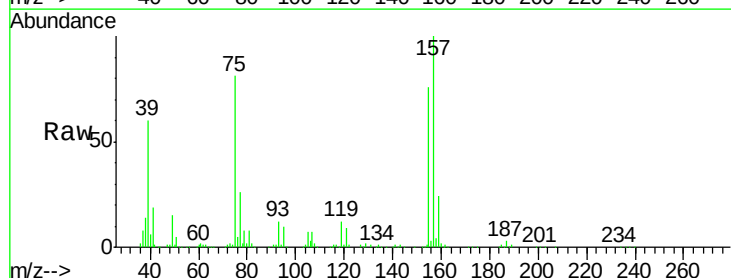
Manual Integrations
 APPROVED

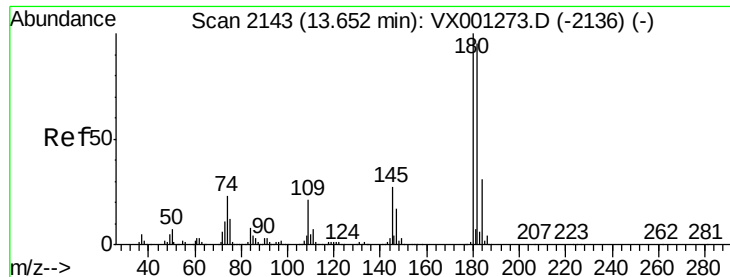
MMDadoda
 5/2/2018 4:20:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 92.83 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	49.9	149.7
157	128.4	63.7	191.1





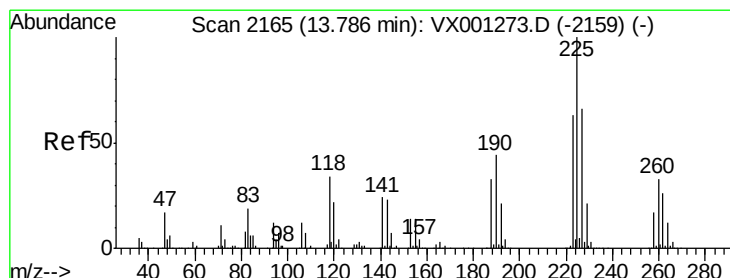
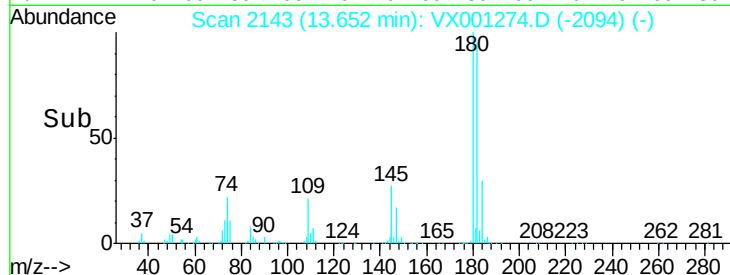
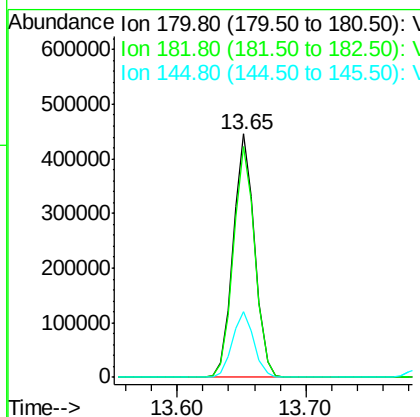
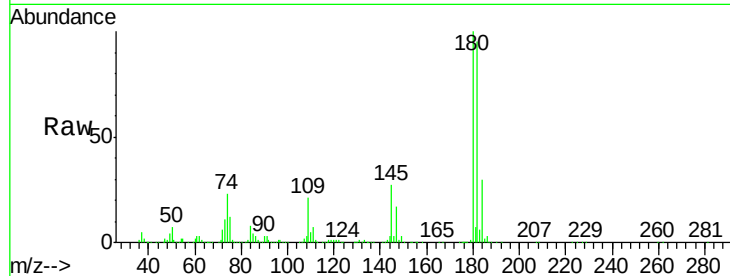
#93
 1,2,4-Trichlorobenzene
 Concen: 96.50 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	517720		
182	95.4	47.3	141.9	
145	27.2	13.5	40.4	

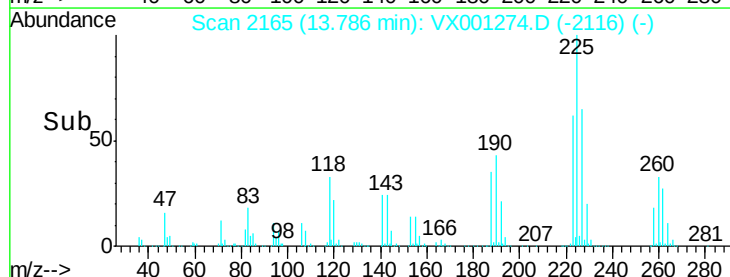
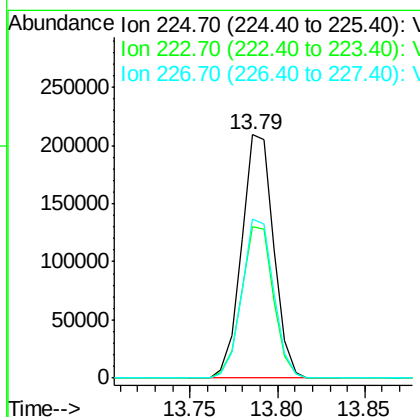
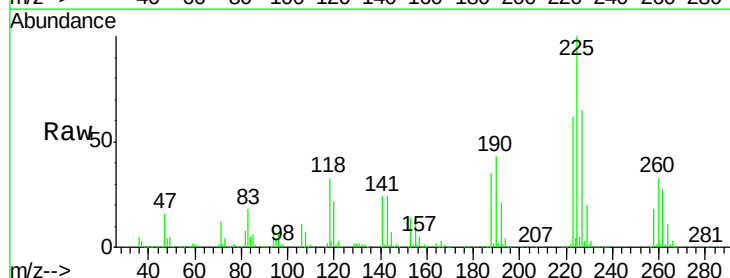
Manual Integrations
 APPROVED

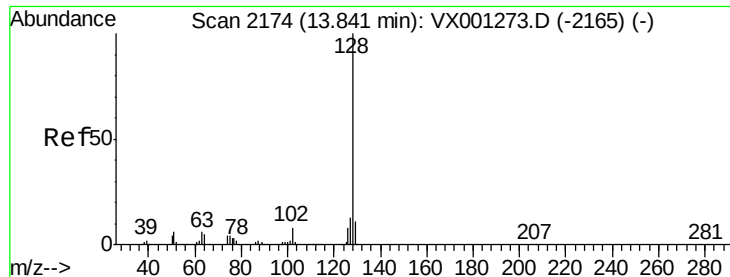
MMDadoda
 5/2/2018 4:20:53 PM



#94
 Hexachlorobutadiene
 Concen: 103.30 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001274.D
 Acq: 01 May 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	265409		
223	62.4	31.4	94.0	
227	64.7	32.5	97.5	





#95

Naphthalene

Concen: 92.30 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1364062

Ion Ratio Lower Upper

128 100

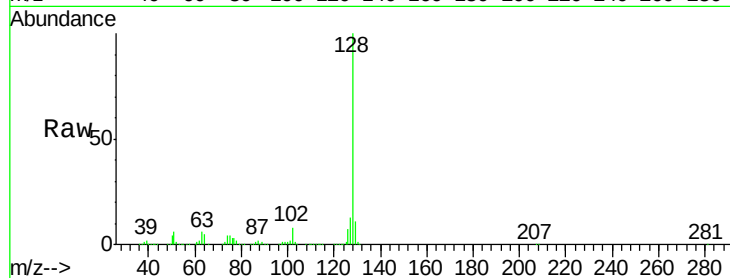
127 13.1 10.5 15.7

129 11.0 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

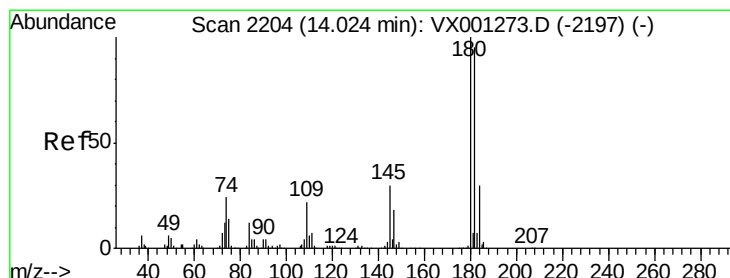
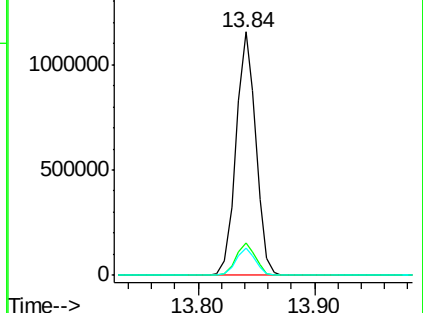
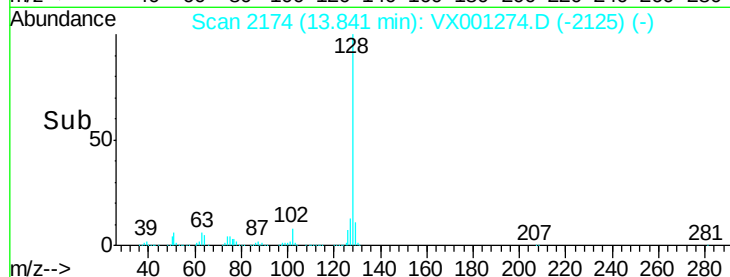
5/2/2018 4:20:53 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 95.19 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001274.D

Acq: 01 May 2018 12:46

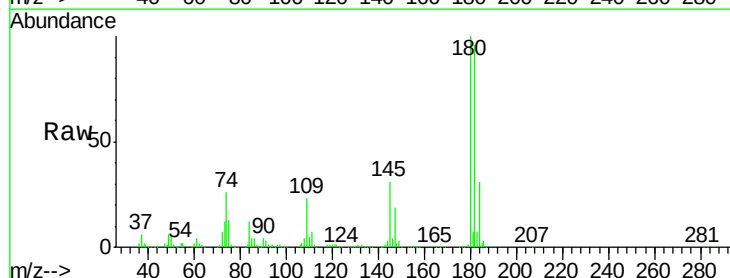
Tgt Ion:180 Resp: 507227

Ion Ratio Lower Upper

180 100

182 95.9 48.1 144.3

145 29.1 14.4 43.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

