

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001271.D
 Acq On : 01 May 2018 11:28
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:51 PM

Quant Time: May 02 01:27:59 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	189249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	256009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	237397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	12480	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
35) Dibromofluoromethane	5.51	113	9977	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	
50) Toluene-d8	8.72	98	33979	4.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.44%	
62) 4-Bromofluorobenzene	11.14	95	13412	4.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	8743	4.28	ug/l	97
3) Chloromethane	1.32	50	9906	4.76	ug/l	96
4) Vinyl Chloride	1.40	62	10365	4.68	ug/l	96
5) Bromomethane	1.64	94	10368	6.63	ug/l	93
6) Chloroethane	1.72	64	6894	4.99	ug/l	94
7) Trichlorofluoromethane	1.93	101	17794	4.93	ug/l	94
8) Diethyl Ether	2.19	74	6555	4.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	10396	5.21	ug/l	99
10) Methyl Iodide	2.51	142	8382	4.53	ug/l	99
11) Tert butyl alcohol	3.07	59	12445	22.52	ug/l	96
12) 1,1-Dichloroethene	2.38	96	9476	4.94	ug/l	97
13) Acrolein	2.30	56	7733	34.06	ug/l	93
14) Allyl chloride	2.73	41	16819	4.87	ug/l	97
15) Acrylonitrile	3.15	53	26832	22.23	ug/l	99
16) Acetone	2.45	43	29142	24.31	ug/l	98
17) Carbon Disulfide	2.57	76	22112	4.53	ug/l	96
18) Methyl Acetate	2.78	43	13251	4.47	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	33117	4.76	ug/l	100
20) Methylene Chloride	2.86	84	12951	5.78	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	10230	4.85	ug/l	89
22) Diisopropyl ether	3.87	45	30728	4.47	ug/l	93
23) Vinyl Acetate	3.82	43	134029	23.06	ug/l	100
24) 1,1-Dichloroethane	3.70	63	18959	5.18	ug/l	97
25) 2-Butanone	4.71	43	39691	22.52	ug/l	96
26) 2,2-Dichloropropane	4.59	77	13546	4.68	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	11505	5.01	ug/l	99
28) Bromochloromethane	5.03	49	6762	4.12	ug/l	93
29) Tetrahydrofuran	5.17	42	23966	21.27	ug/l	98
30) Chloroform	5.22	83	18569	4.80	ug/l	97
31) Cyclohexane	5.57	56	16165	5.15	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	15871	4.73	ug/l	100
36) 1,1-Dichloropropene	5.81	75	14093	4.95	ug/l	100
37) Ethyl Acetate	4.87	43	14223	4.28	ug/l	97
38) Carbon Tetrachloride	5.79	117	14024	4.78	ug/l	98

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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Quant Time: May 02 01:27:59 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)
39) Methylcyclohexane	7.46	83	16105	5.04	ug/l	98
40) Benzene	6.15	78	41466	5.06	ug/l	92
41) Methacrylonitrile	5.07	41	8414	4.51	ug/l	96
42) 1,2-Dichloroethane	6.21	62	16324	4.99	ug/l #	76
43) Isopropyl Acetate	6.47	43	22756	4.34	ug/l	99
44) Trichloroethene	7.22	130	12674	5.16	ug/l	96
45) 1,2-Dichloropropane	7.52	63	10790	5.03	ug/l	99
46) Dibromomethane	7.67	93	7510	5.05	ug/l	96
47) Bromodichloromethane	7.90	83	12075	4.47	ug/l	99
48) Methyl methacrylate	7.79	41	12008	4.32	ug/l	98
49) 1,4-Dioxane	7.76	88	4553	82.73	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	74477	21.69	ug/l	100
52) Toluene	8.79	92	26898	5.01	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	13903	4.43	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	12422	4.22	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	11016	4.88	ug/l	97
56) Ethyl methacrylate	9.19	69	14043	4.24	ug/l	95
57) 1,3-Dichloropropane	9.38	76	17695	4.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	33605	21.32	ug/l	99
59) 2-Hexanone	9.50	43	57016	21.16	ug/l	100
60) Dibromochloromethane	9.59	129	9523	4.17	ug/l	99
61) 1,2-Dibromoethane	9.68	107	11198	4.74	ug/l	98
64) Tetrachloroethene	9.34	164	14430	5.57	ug/l	98
65) Chlorobenzene	10.14	112	32287	5.17	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	10553	4.88	ug/l	98
67) Ethyl Benzene	10.26	91	51341	5.03	ug/l	100
68) m/p-Xylenes	10.37	106	39467	9.78	ug/l	99
69) o-Xylene	10.70	106	19167	4.92	ug/l	99
70) Styrene	10.72	104	29870	4.61	ug/l	99
71) Bromoform	10.87	173	7422	3.96	ug/l #	98
73) Isopropylbenzene	11.02	105	51610	5.07	ug/l	100
74) N-amyl acetate	6.47	43	22756	4.55	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	15175	4.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	14676m	4.72	ug/l	
77) Bromobenzene	11.26	156	14910	4.96	ug/l	97
78) n-propylbenzene	11.37	91	57711	5.09	ug/l	100
79) 2-Chlorotoluene	11.43	91	35107	5.01	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	42786	4.96	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	2773	3.54	ug/l #	79
82) 4-Chlorotoluene	11.52	91	41559	4.98	ug/l	99
83) tert-Butylbenzene	11.77	119	42660	4.97	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	44824	5.07	ug/l	98
85) sec-Butylbenzene	11.95	105	51277	5.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	45996	4.91	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	27307	5.06	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	28021	4.97	ug/l	95
89) n-Butylbenzene	12.39	91	37451	4.61	ug/l	99
90) Hexachloroethane	12.60	117	6017	4.52	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	28083	5.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2797	3.86	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

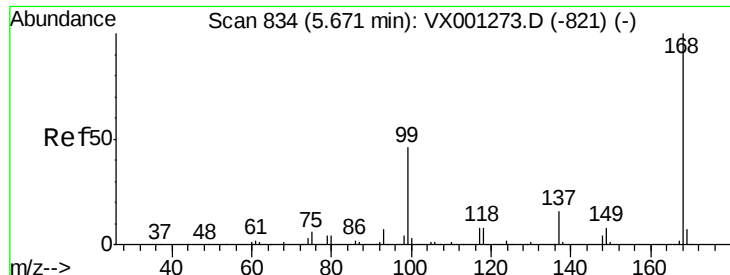
Manual Integrations
APPROVED

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Quant Time: May 02 01:27:59 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)
93) 1,2,4-Trichlorobenzene	13.65	180	20558	4.79	ug/l	99
94) Hexachlorobutadiene	13.79	225	11010	5.36	ug/l	97
95) Naphthalene	13.84	128	54391	4.60	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	21283	4.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 189249

Ion Ratio Lower Upper

168 100

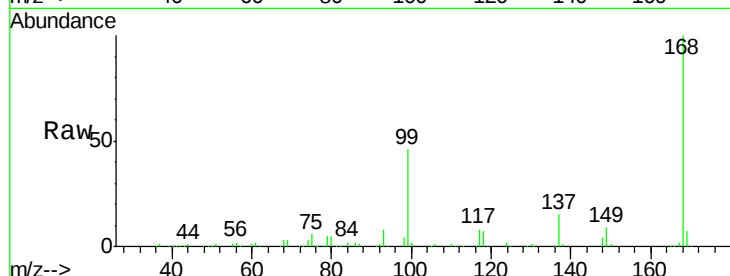
99 46.3 36.5 54.7

Manual Integrations

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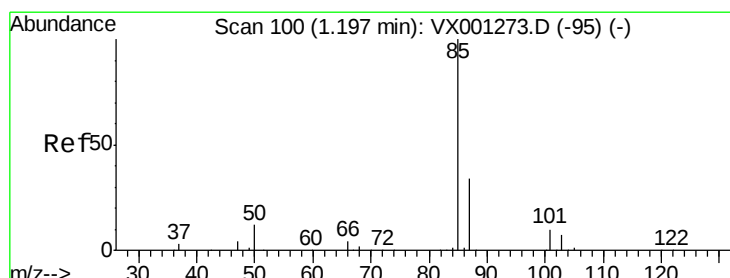
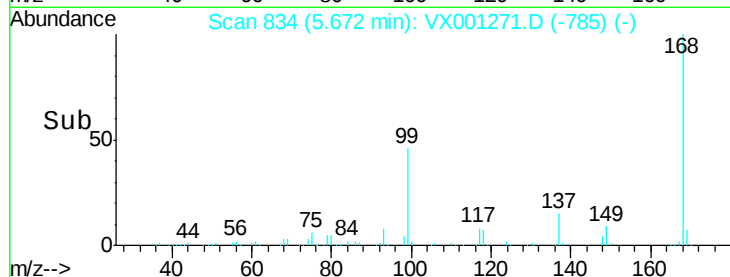
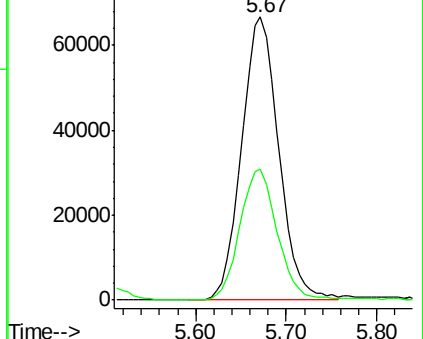
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001271.D

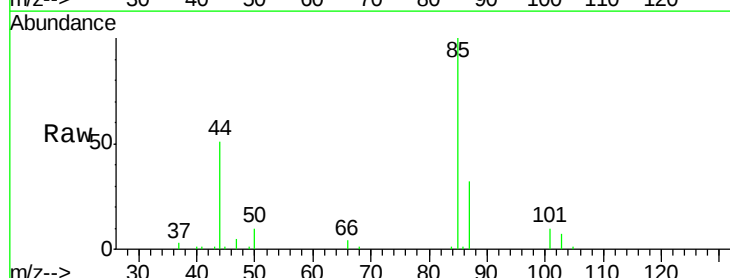
Acq: 01 May 2018 11:28

Tgt Ion: 85 Resp: 8743

Ion Ratio Lower Upper

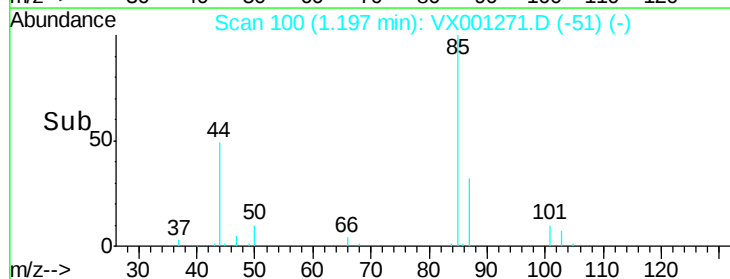
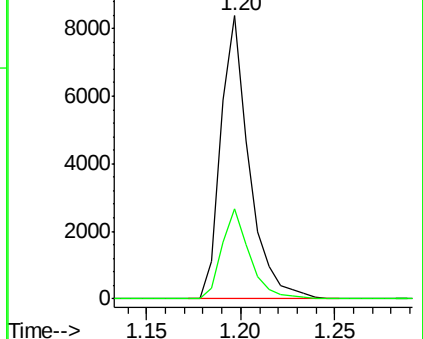
85 100

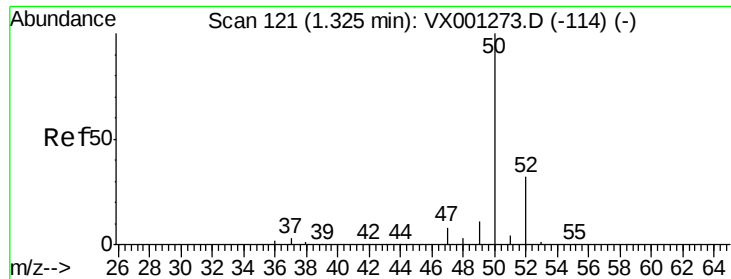
87 32.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 9906

Ion Ratio Lower Upper

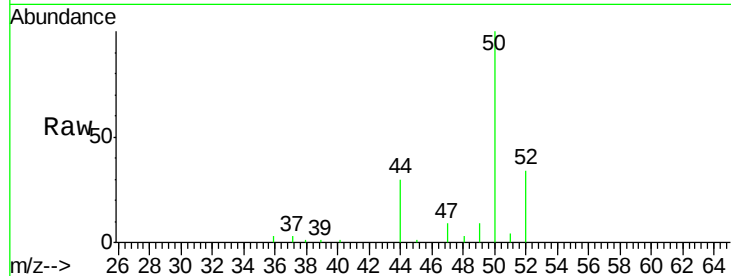
50 100

52 34.1 25.7 38.5

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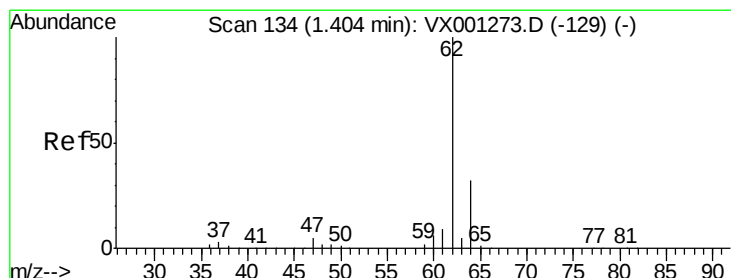
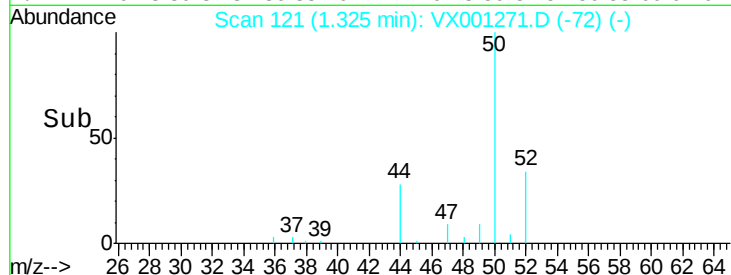
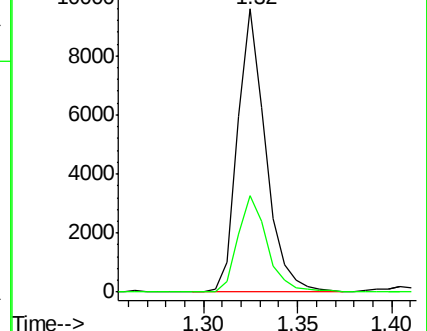
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.68 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001271.D

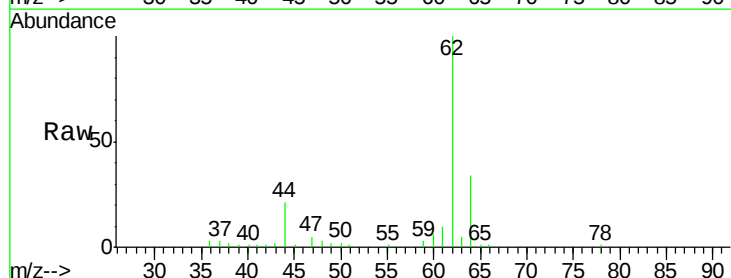
Acq: 01 May 2018 11:28

Tgt Ion: 62 Resp: 10365

Ion Ratio Lower Upper

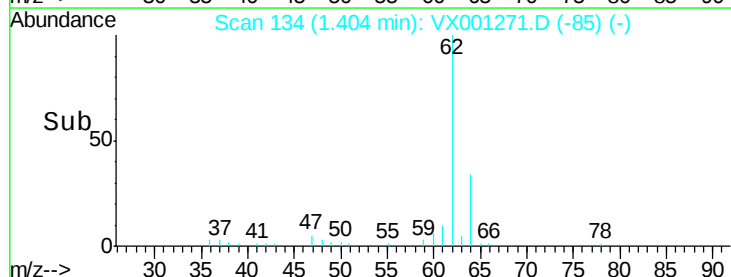
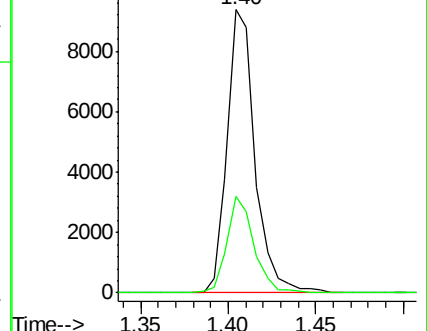
62 100

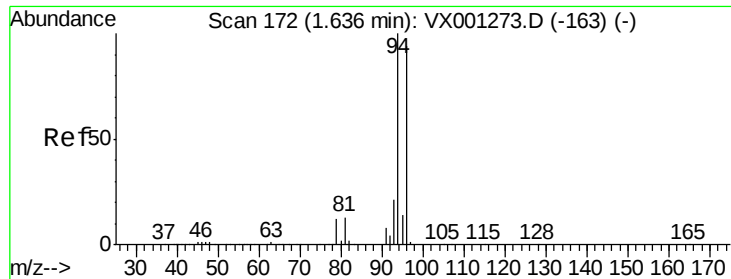
64 34.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 6.63 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10368

Ion Ratio Lower Upper

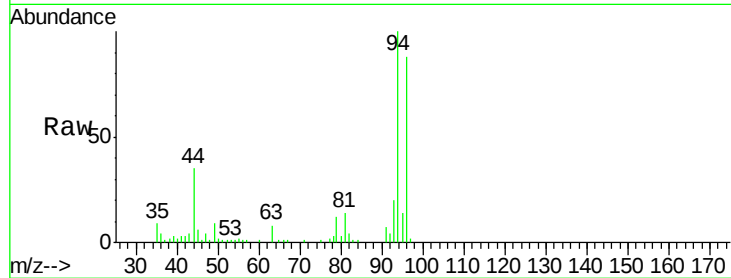
94 100

96 87.5 75.6 113.4

Manual Integrations
APPROVED

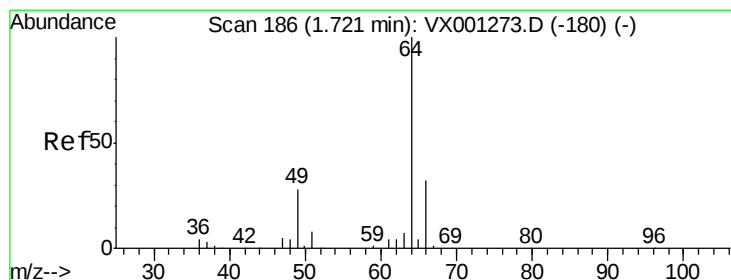
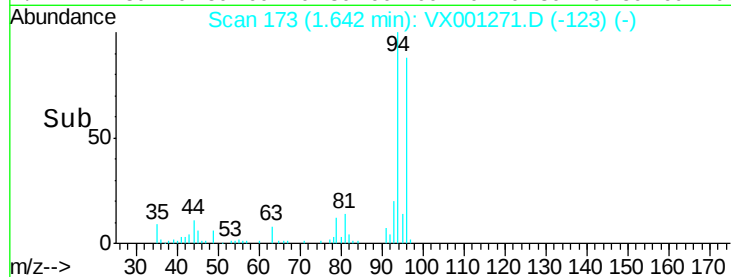
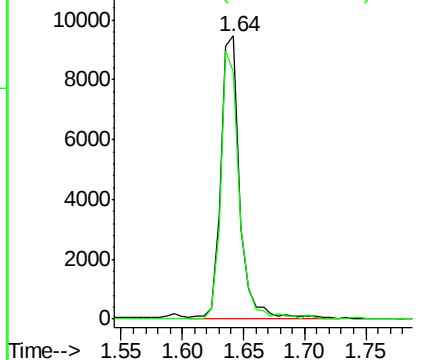
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.99 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001271.D

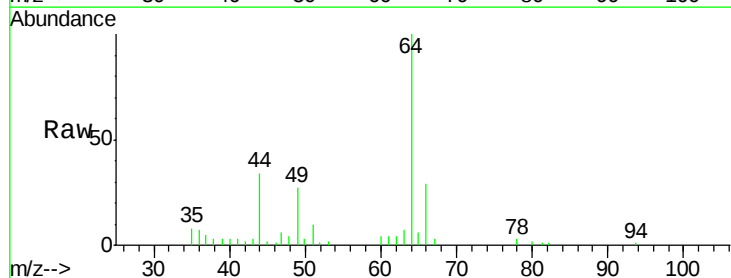
Acq: 01 May 2018 11:28

Tgt Ion: 64 Resp: 6894

Ion Ratio Lower Upper

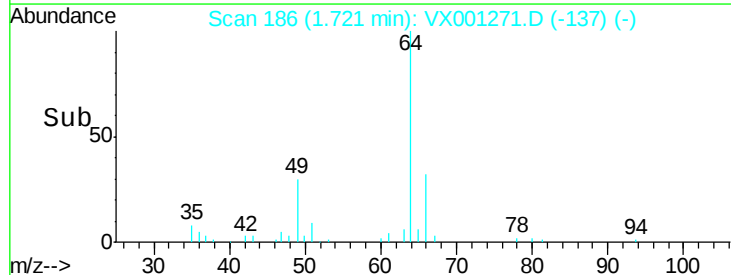
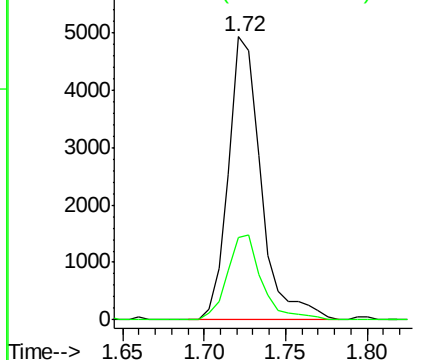
64 100

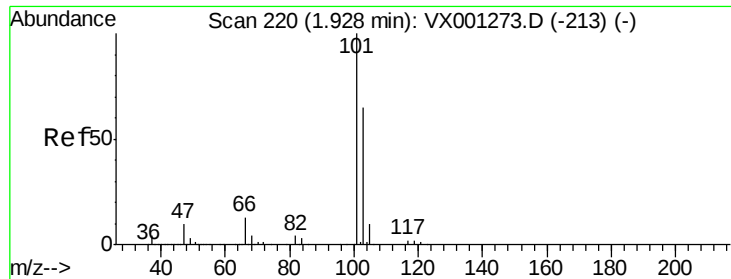
66 29.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

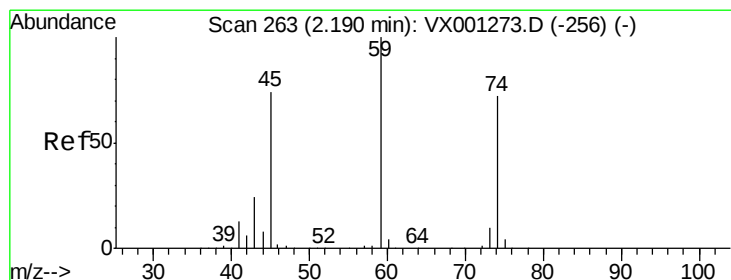
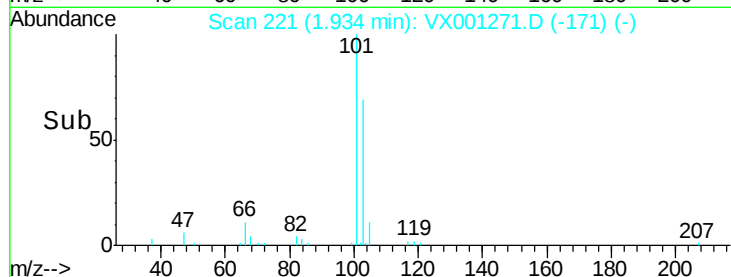
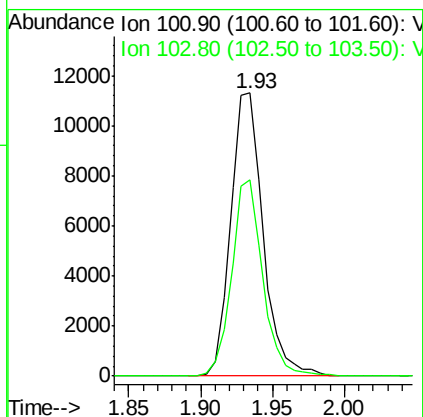
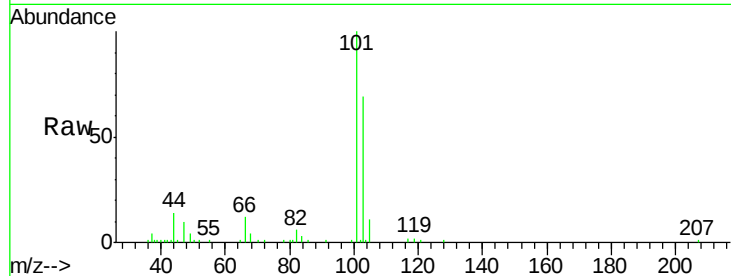
Trichlorofluoromethane
Concen: 4.93 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	51.8	77.8

Manual Integrations
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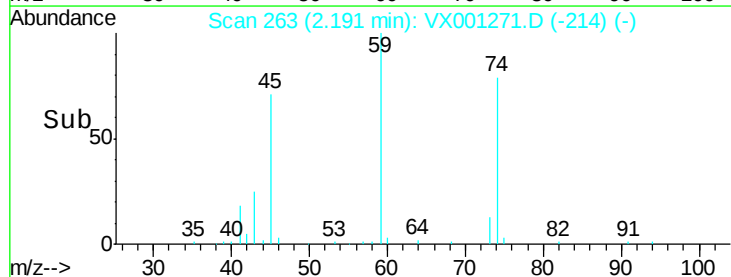
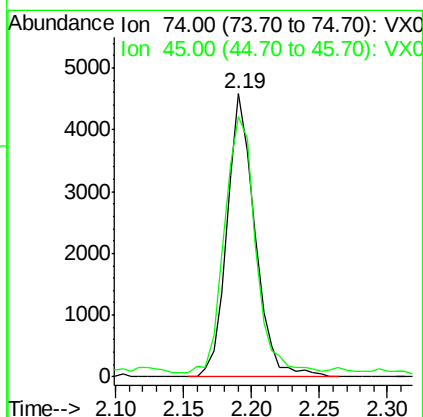
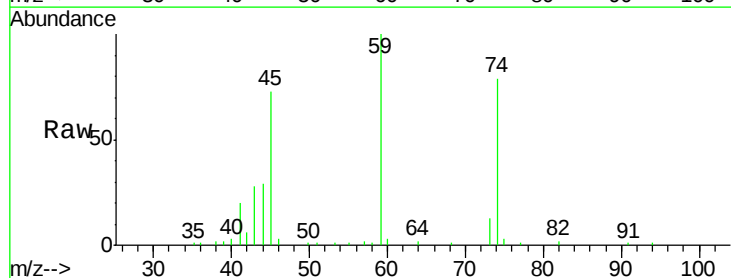
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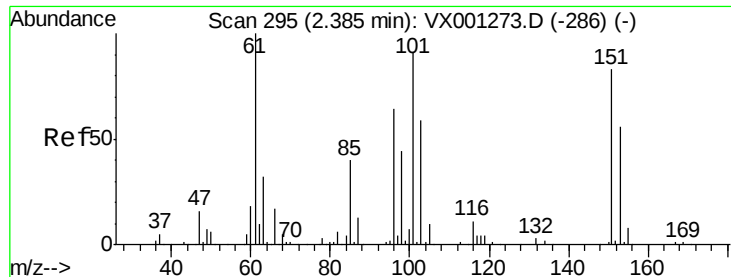


#8

Diethyl Ether
Concen: 4.84 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.3	147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.21 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

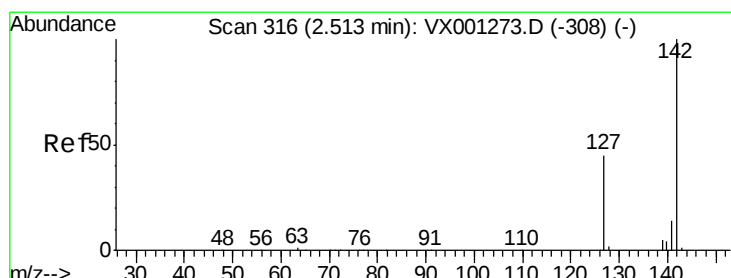
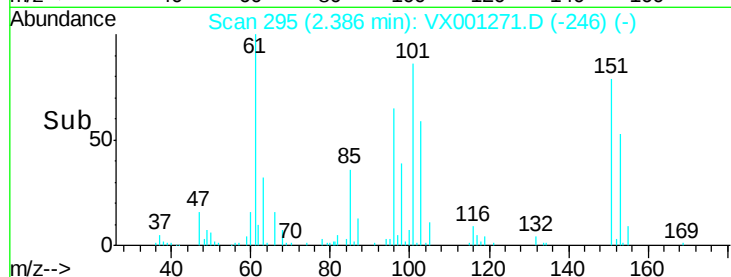
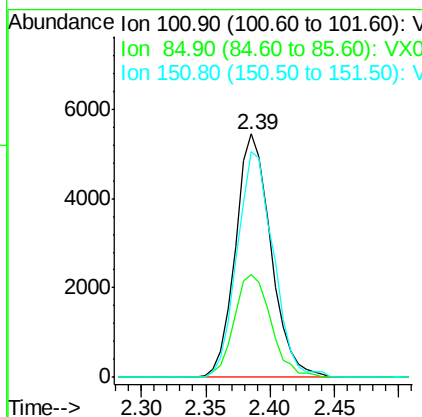
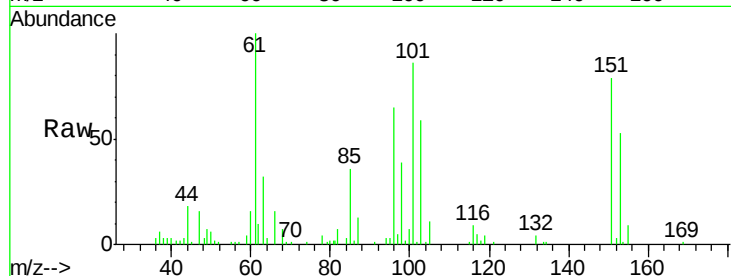
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10396
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	94.3	74.8	112.2

Manual Integrations
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#10

Methyl Iodide

Concen: 4.53 ug/l

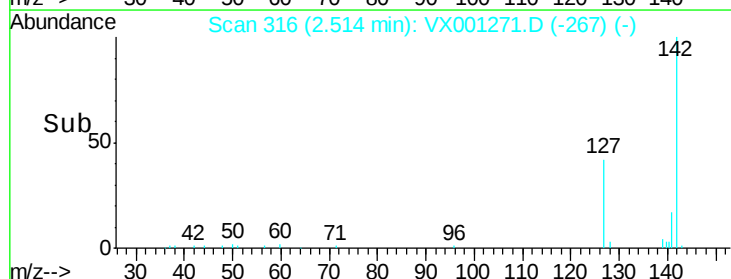
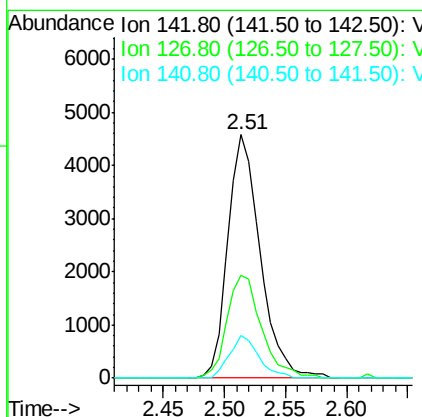
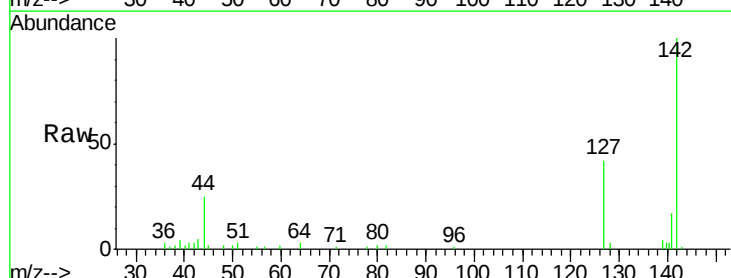
RT: 2.51 min Scan# 316

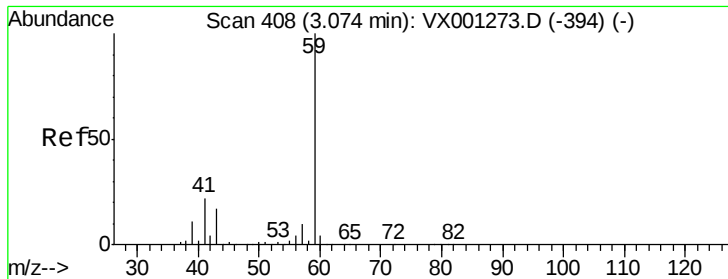
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	142	Resp:	8382
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.7	53.5
141	15.7	11.4	17.0





#11

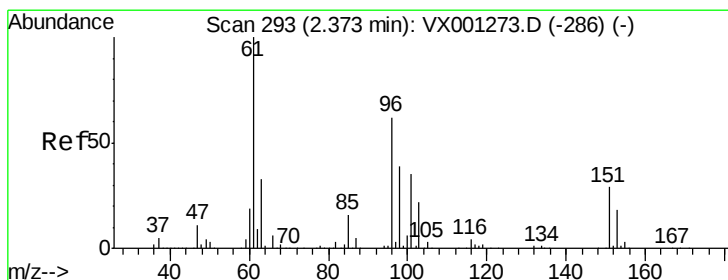
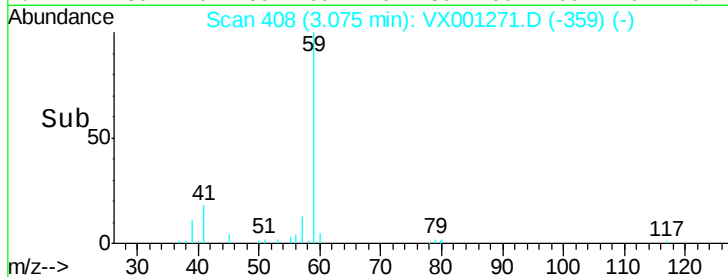
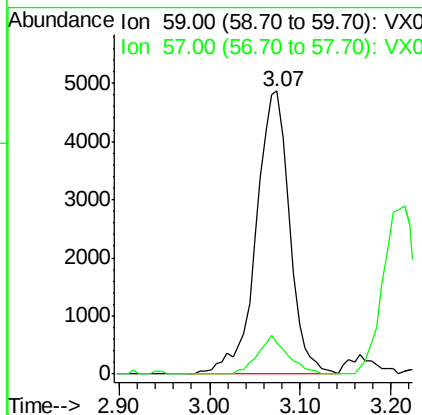
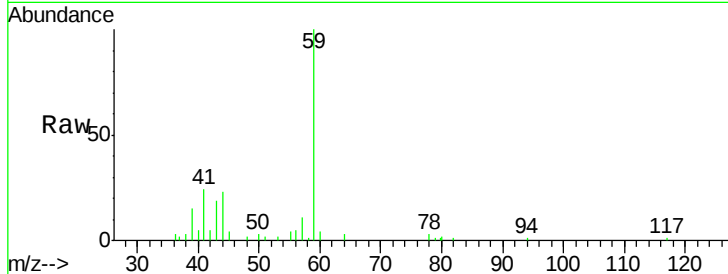
Tert butyl alcohol
 Concen: 22.52 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	12445		
57	57	12.1		8.6	12.8

Manual Integrations
 APPROVED

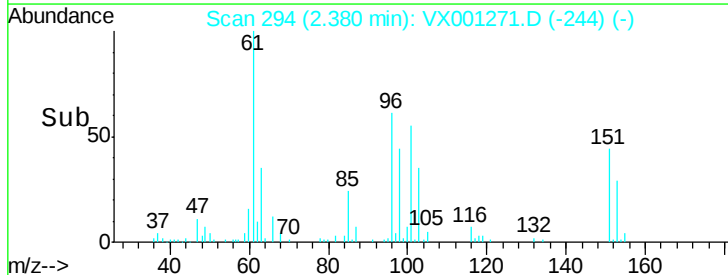
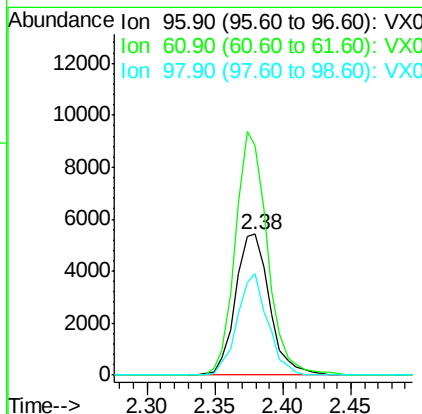
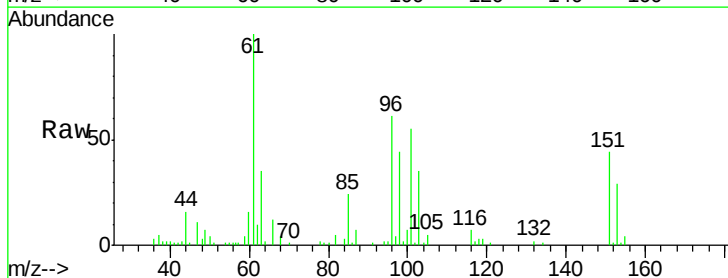
MMDadoda
 5/2/2018 4:20:51 PM

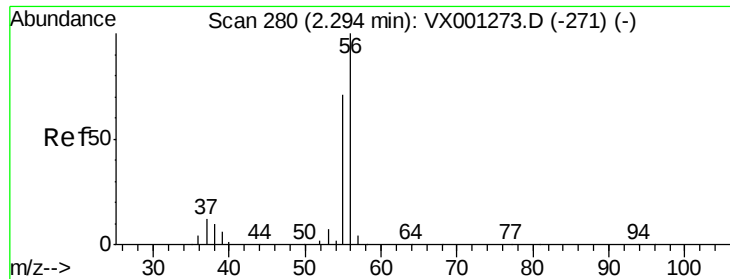


#12

1,1-Dichloroethene
 Concen: 4.94 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	9476		
61	61	162.9		130.1	195.1
98	98	71.9		50.3	75.5





#13

Acrolein

Concen: 34.06 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tot Ion: 56 Resp: 7733

Ion Ratio Lower Upper

56 100

55 66.0 57.2 85.8

Instrument :

MSVOA_X

ClientSampled :

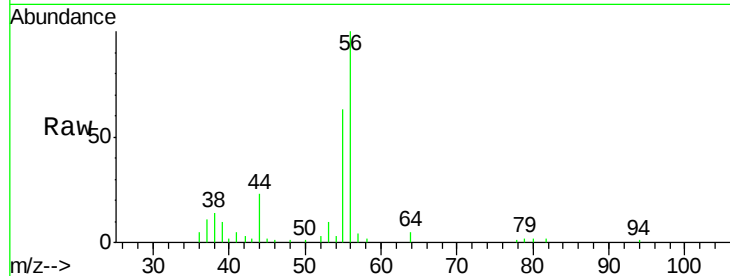
VSTDIC005

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

5000

4000

3000

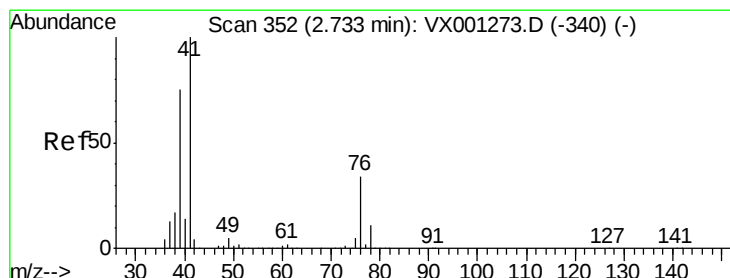
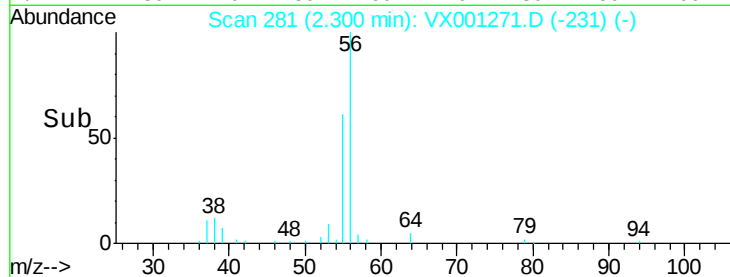
2000

1000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 4.87 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

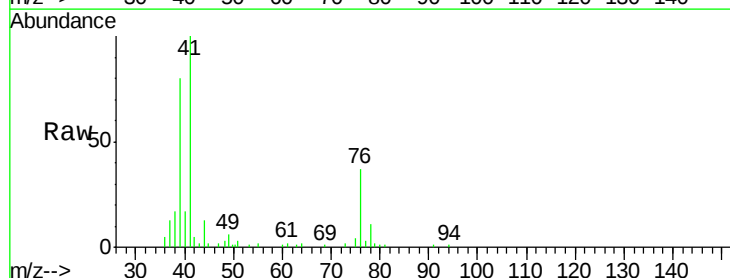
Tgt Ion: 41 Resp: 16819

Ion Ratio Lower Upper

41 100

39 76.8 58.1 87.1

76 31.4 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

2.73

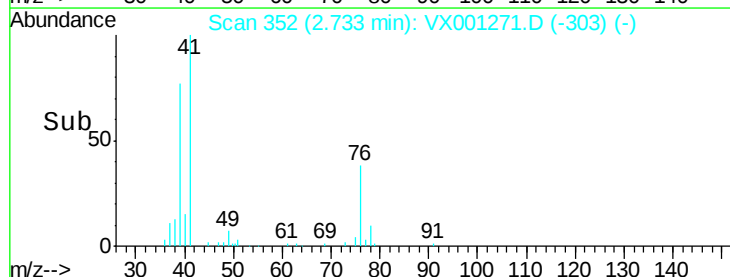
10000

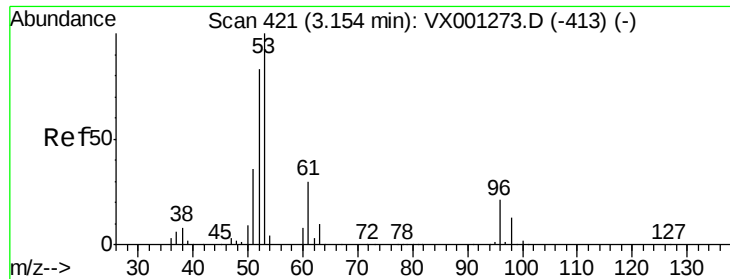
5000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 22.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

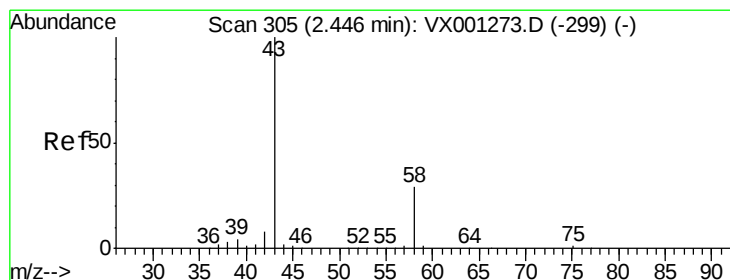
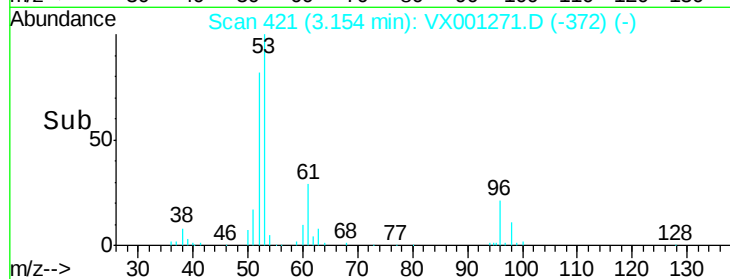
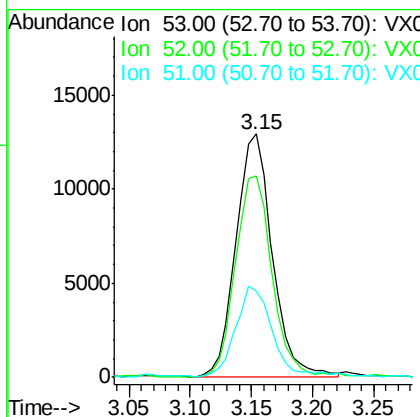
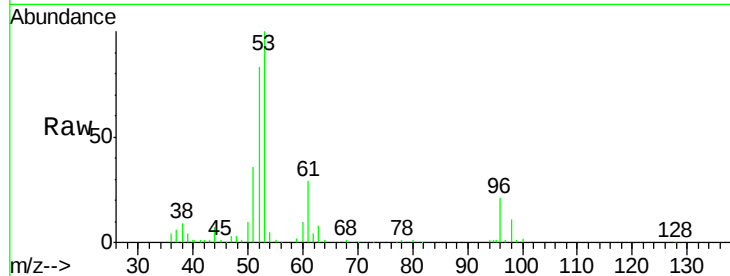
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	26832
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.0	100.4
51	38.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 24.31 ug/l

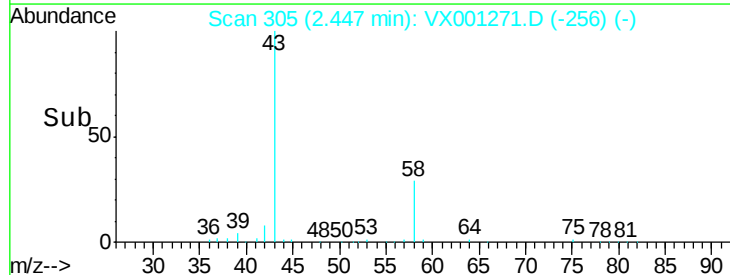
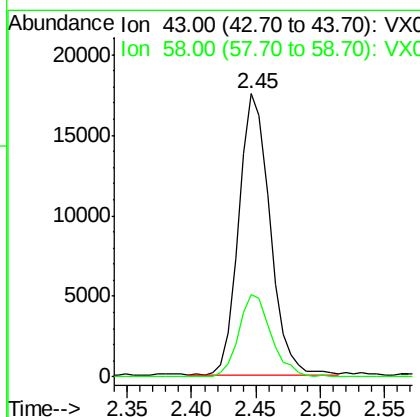
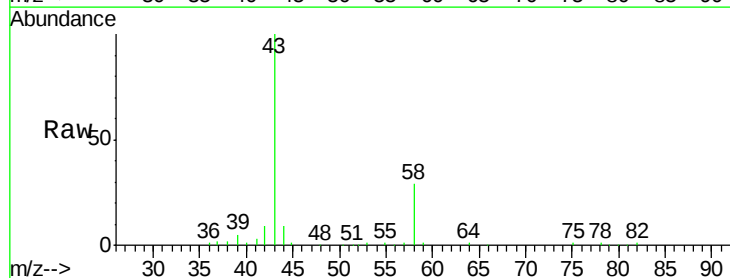
RT: 2.45 min Scan# 305

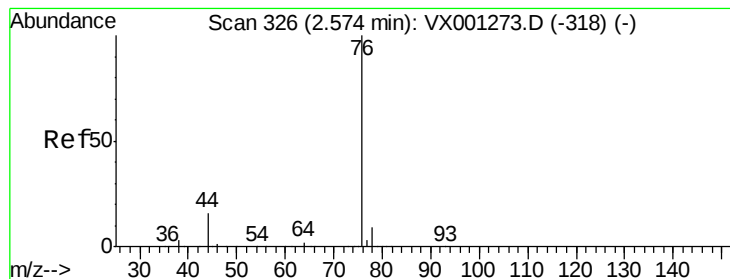
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	43	Resp:	29142
Ion	Ratio	Lower	Upper
43	100		
58	29.5	22.8	34.2





#17

Carbon Disulfide

Concen: 4.53 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22112

Ion Ratio Lower Upper

76 100

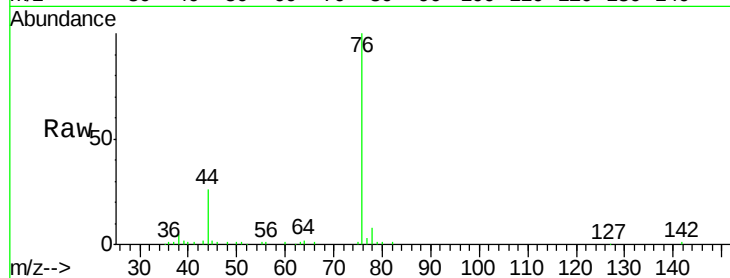
78 7.1 7.0 10.4

Manual Integrations

APPROVED

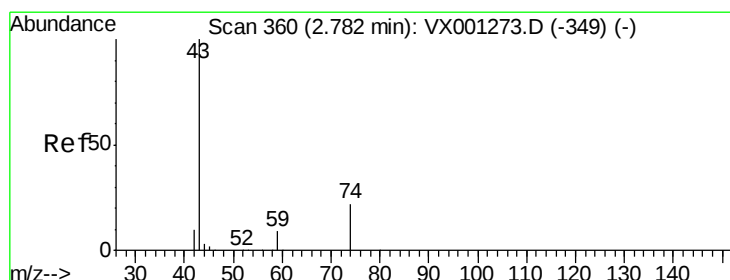
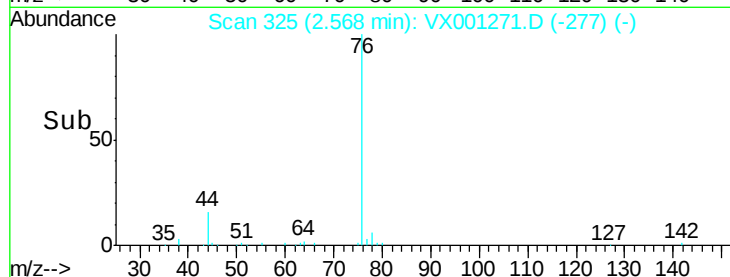
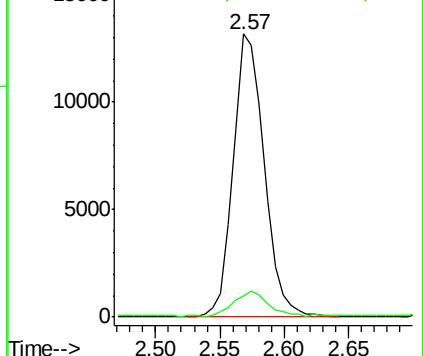
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 4.47 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001271.D

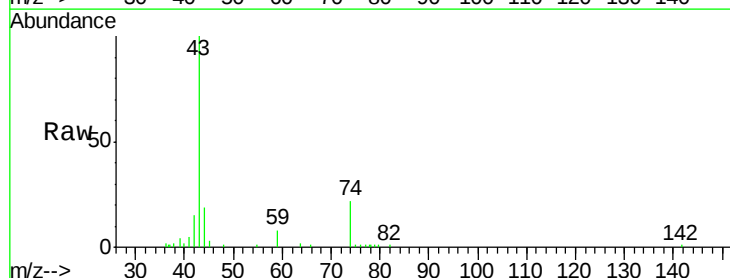
Acq: 01 May 2018 11:28

Tgt Ion: 43 Resp: 13251

Ion Ratio Lower Upper

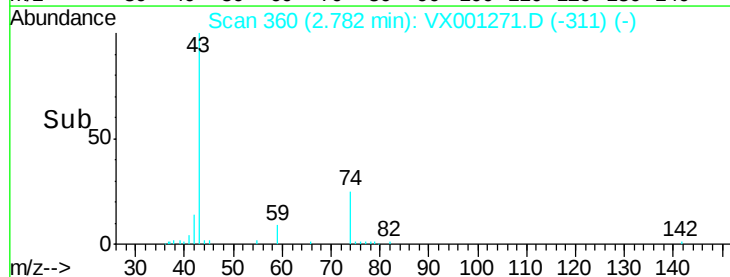
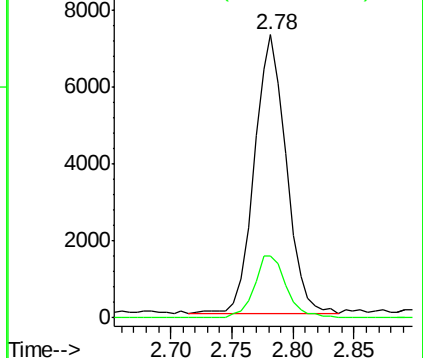
43 100

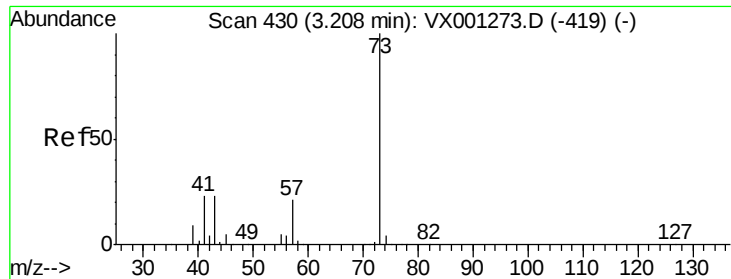
74 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

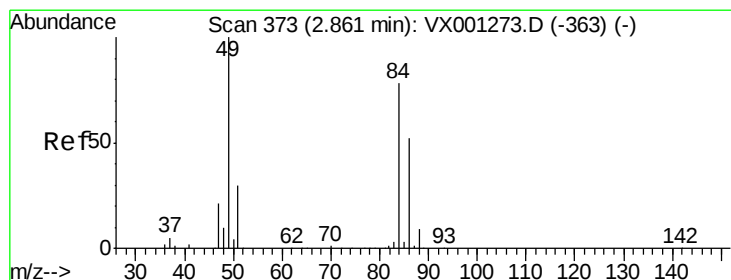
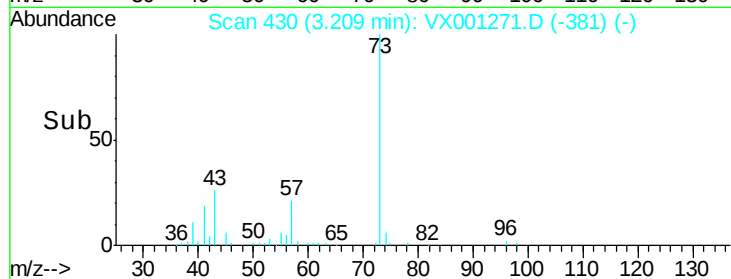
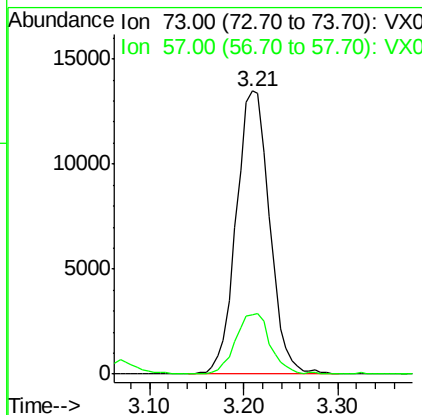
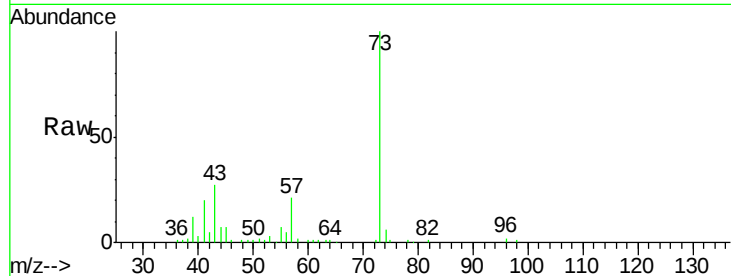
Methyl tert-butyl Ether
 Concen: 4.76 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.8	25.2

Manual Integrations
 APPROVED

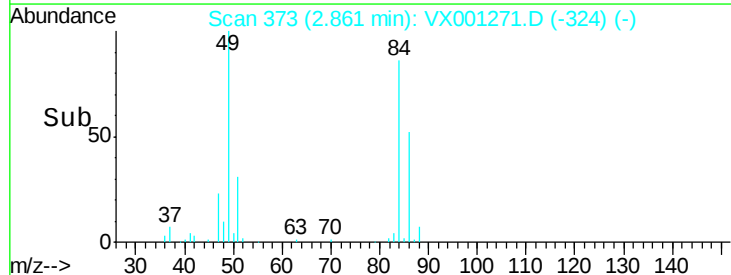
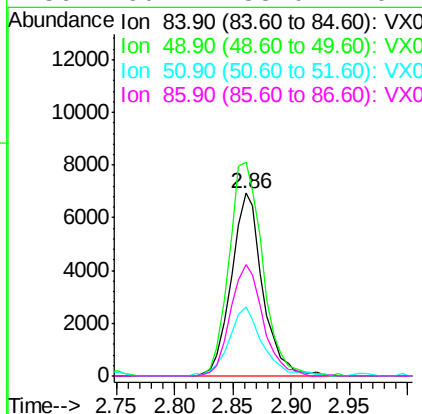
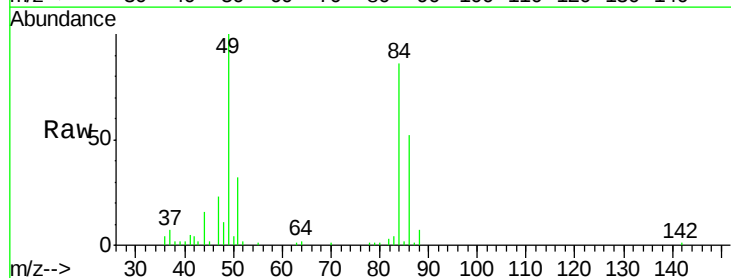
MMDadoda
 5/2/2018 4:20:51 PM

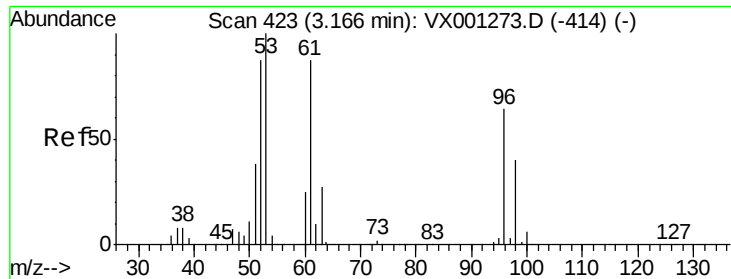


#20

Methylene Chloride
 Concen: 5.78 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	102.8	154.2
51	37.8	30.9	46.3
86	60.7	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 4.85 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

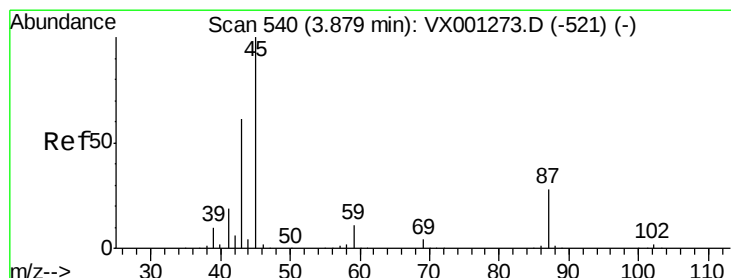
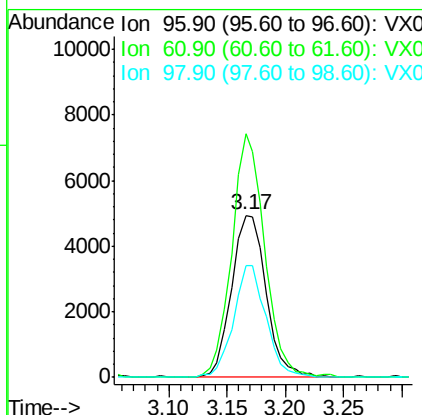
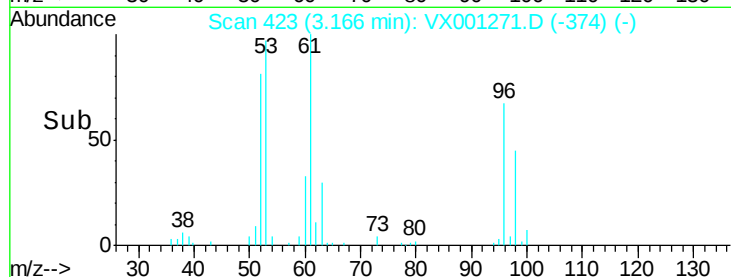
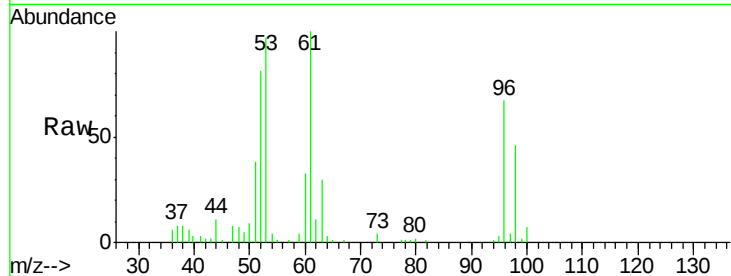
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10230
Ion	Ratio	Lower	Upper
96	100		
61	150.3	108.6	162.8
98	69.1	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.47 ug/l

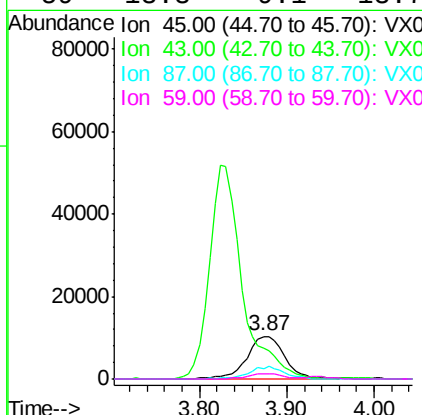
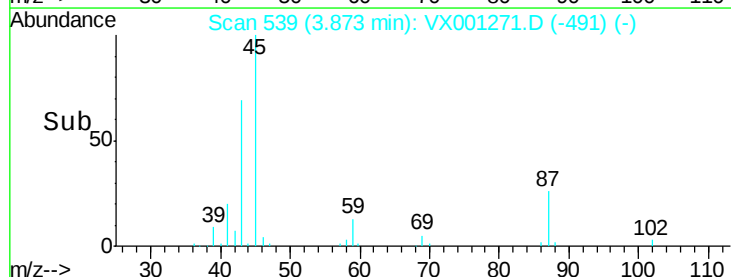
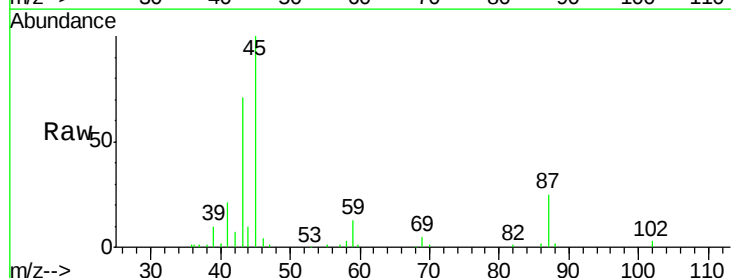
RT: 3.87 min Scan# 539

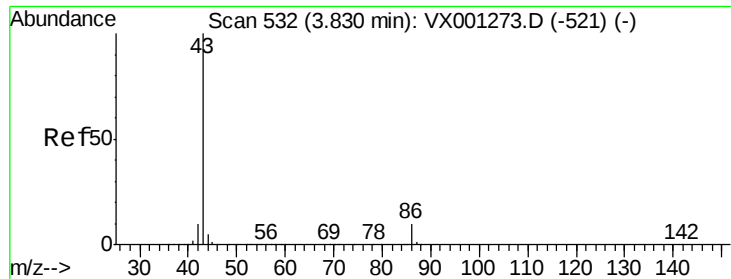
Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	45	Resp:	30728
Ion	Ratio	Lower	Upper
45	100		
43	67.7	48.7	73.1
87	25.6	22.2	33.4
59	13.3	9.1	13.7





#23

Vinyl Acetate

Concen: 23.06 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 134029

Ion Ratio Lower Upper

43 100

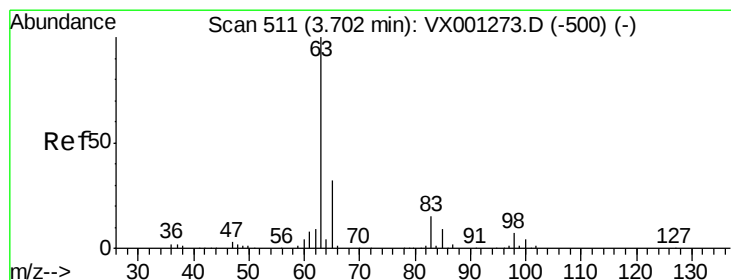
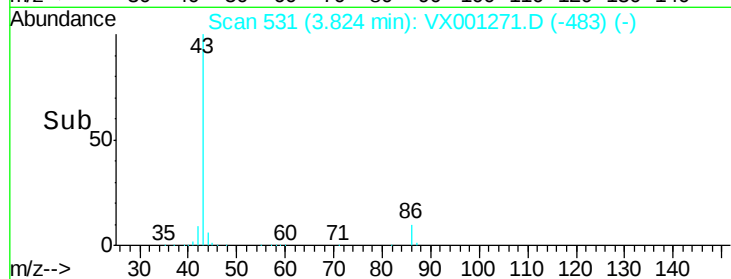
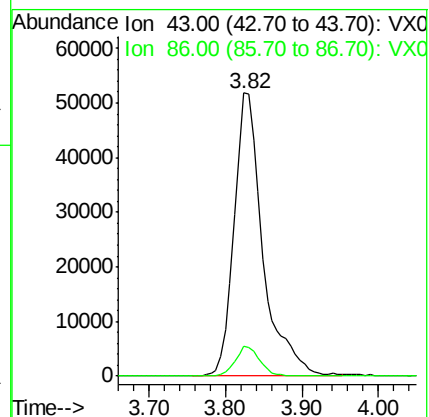
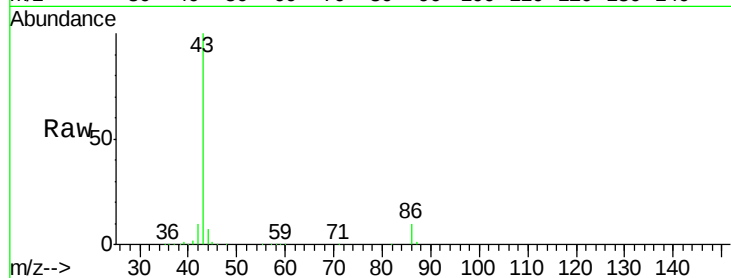
86 10.5 8.2 12.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.18 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

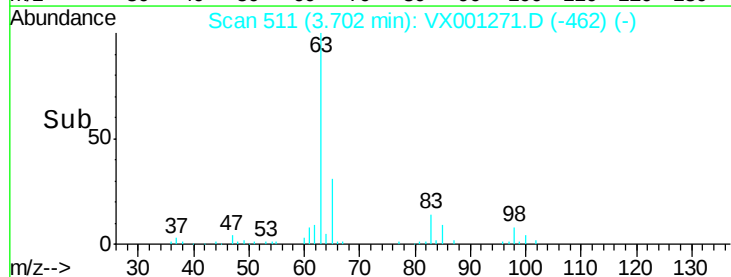
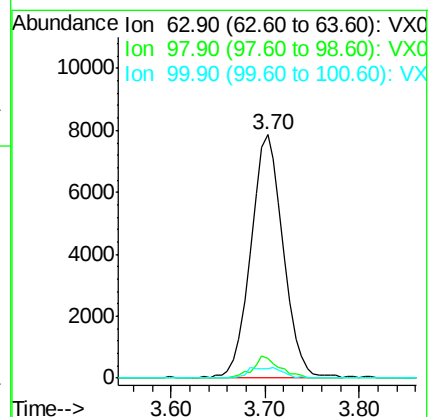
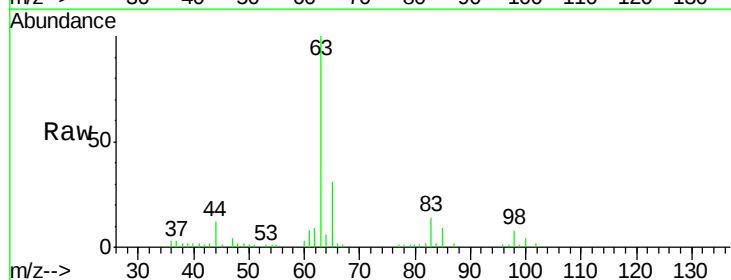
Tgt Ion: 63 Resp: 18959

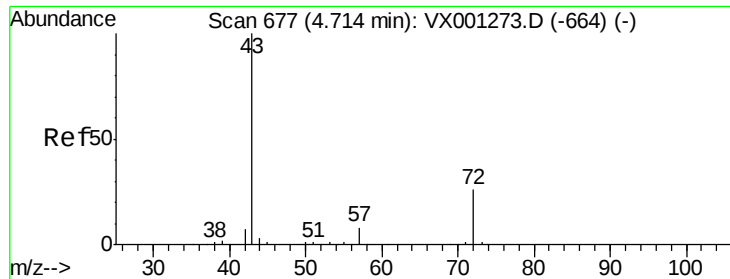
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.5

100 3.8 2.3 6.8





#25

2-Butanone

Concen: 22.52 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 39691

Ion Ratio Lower Upper

43 100

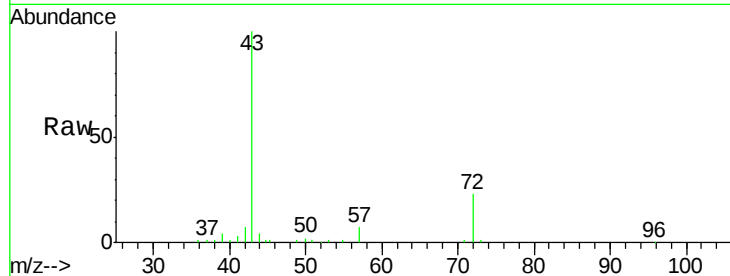
72 23.4 20.5 30.7

Manual Integrations

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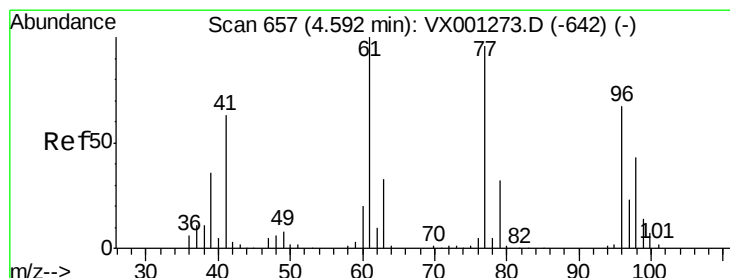
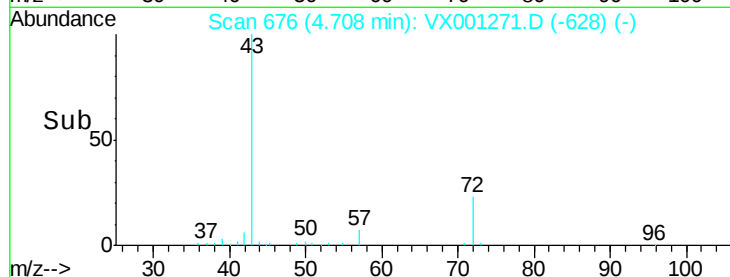
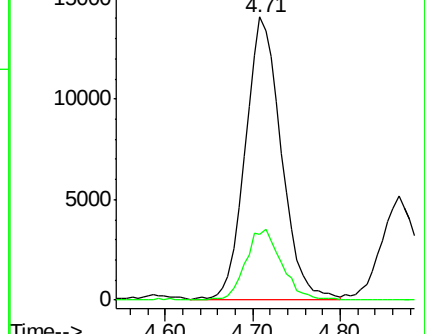
MMDadoda

5/2/2018 4:20:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 4.68 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001271.D

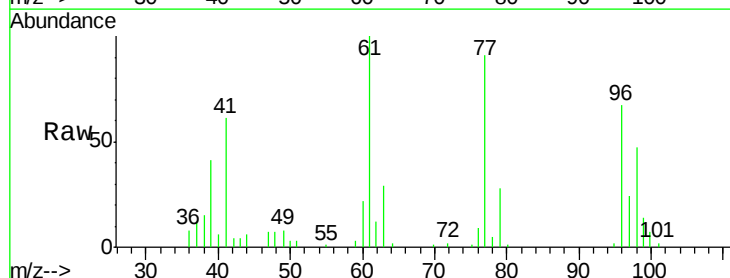
Acq: 01 May 2018 11:28

Tgt Ion: 77 Resp: 13546

Ion Ratio Lower Upper

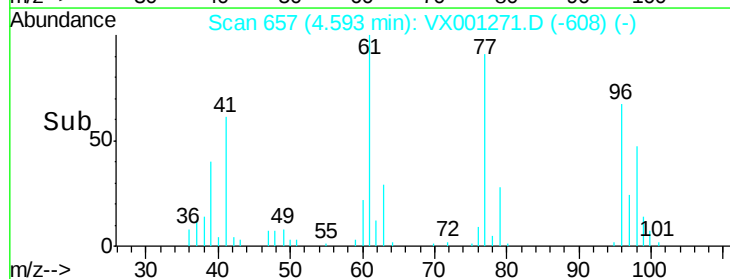
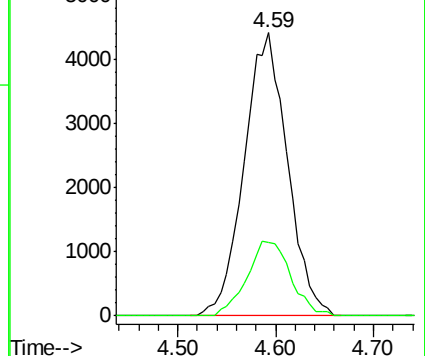
77 100

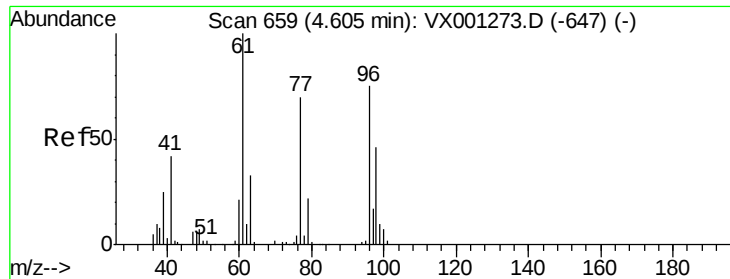
97 26.9 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

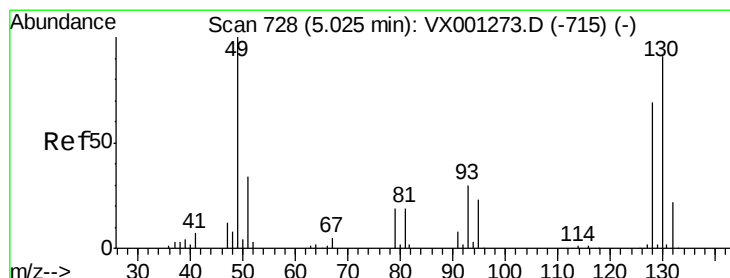
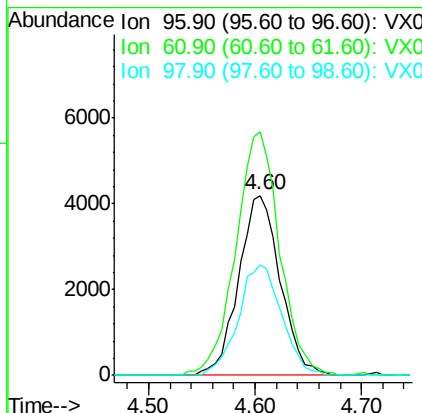
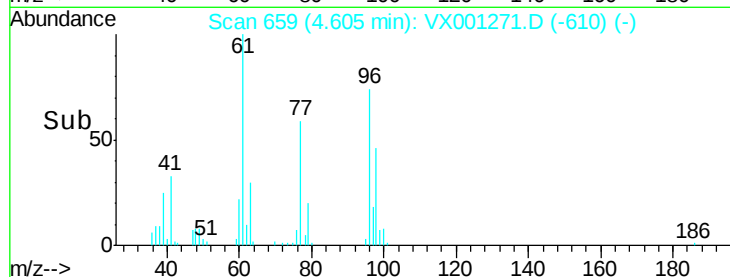
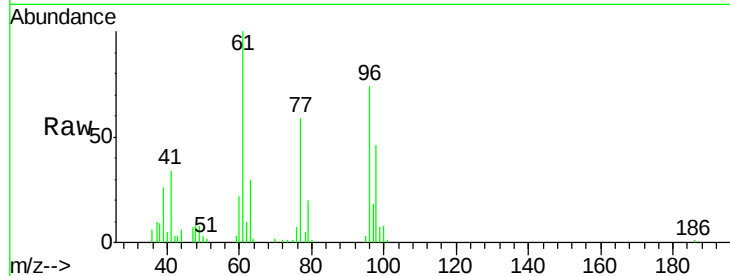
cis-1,2-Dichloroethene
Concen: 5.01 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.4	0.0	288.0	
98	64.0	0.0	130.2	

Manual Integrations
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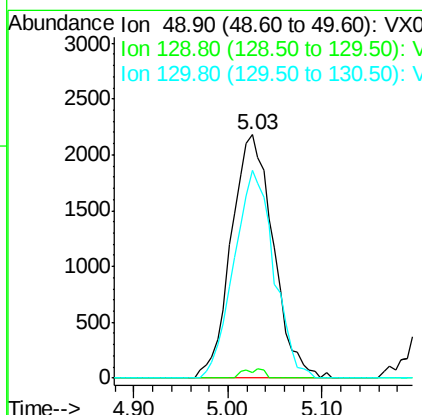
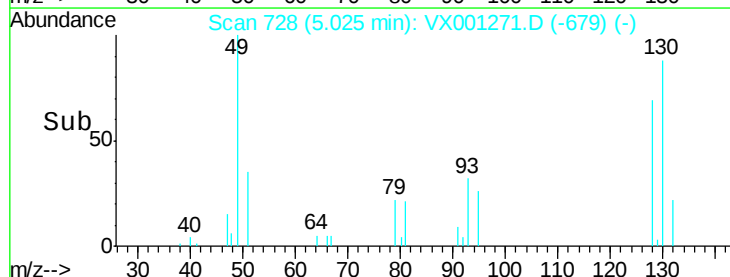
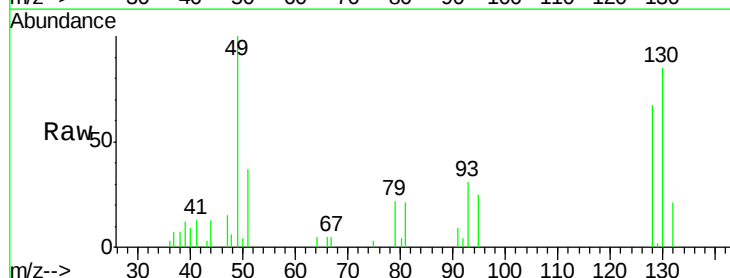
MMDadoda
5/2/2018 4:20:51 PM

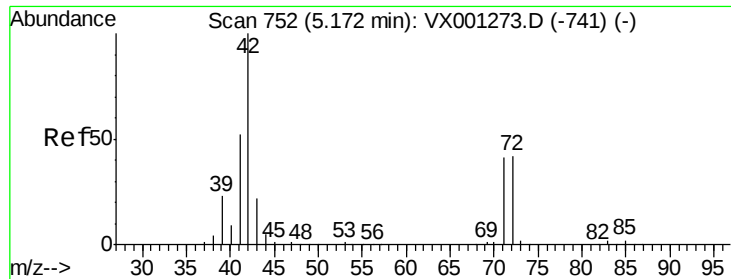


#28

Bromochloromethane
Concen: 4.12 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.8	
130	81.6	70.4	105.6	





#29

Tetrahydrofuran

Concen: 21.27 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

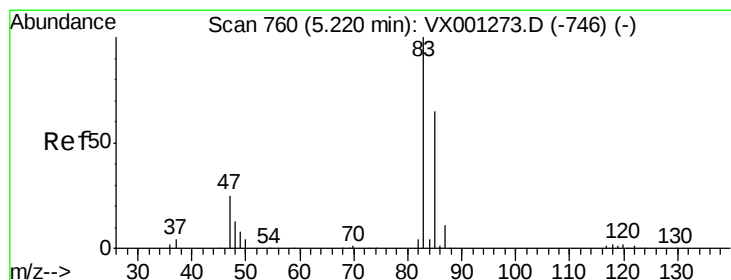
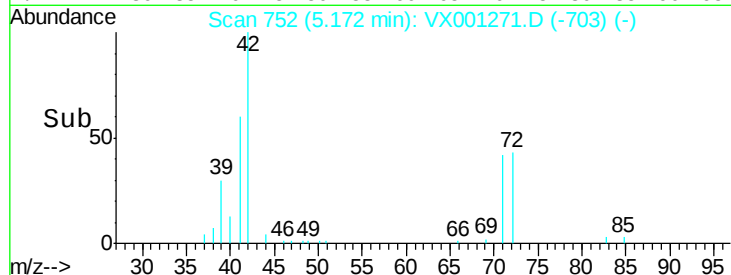
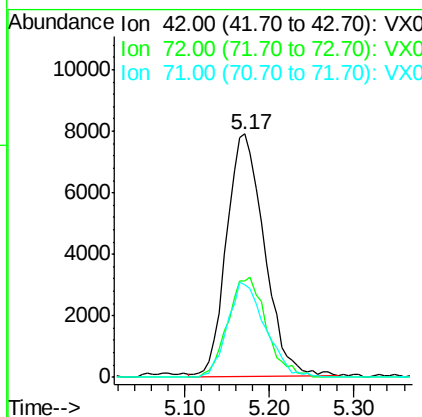
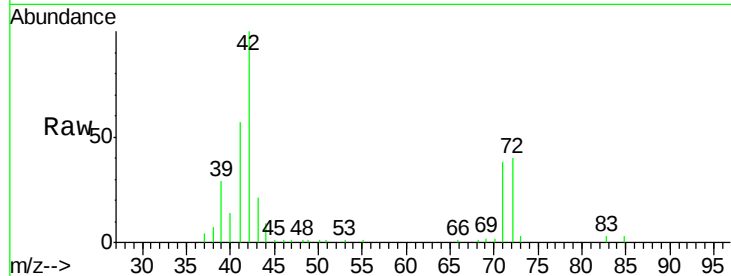
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	23966
Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.6	52.0
71	39.3	32.7	49.1

Manual Integrations
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#30

Chloroform

Concen: 4.80 ug/l

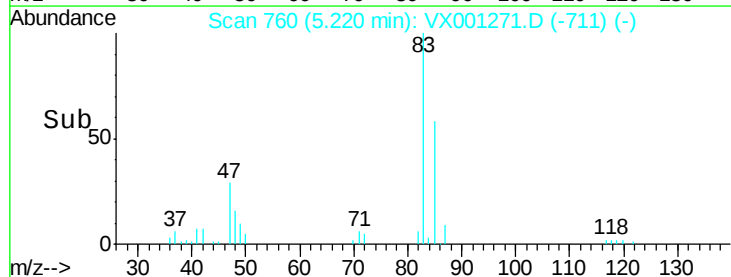
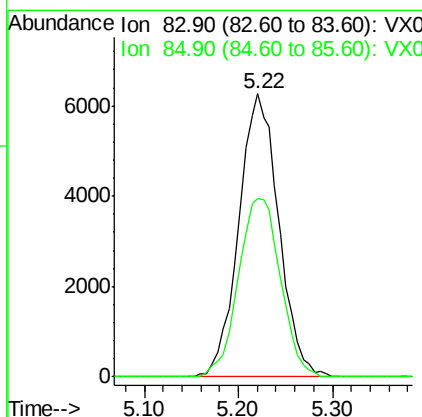
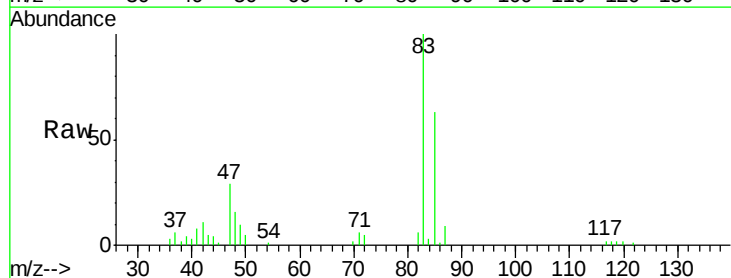
RT: 5.22 min Scan# 760

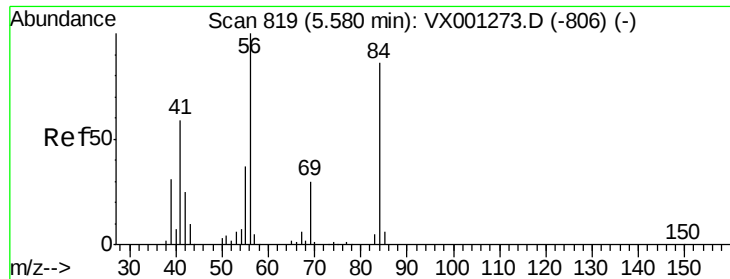
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	83	Resp:	18569
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.2





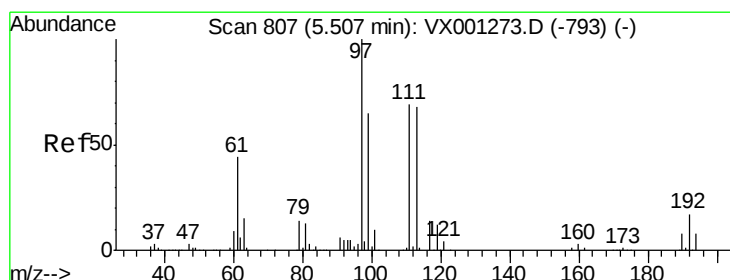
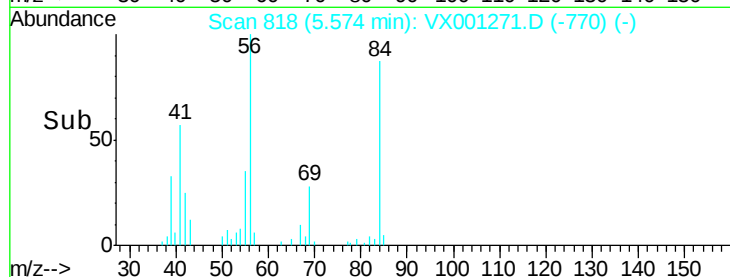
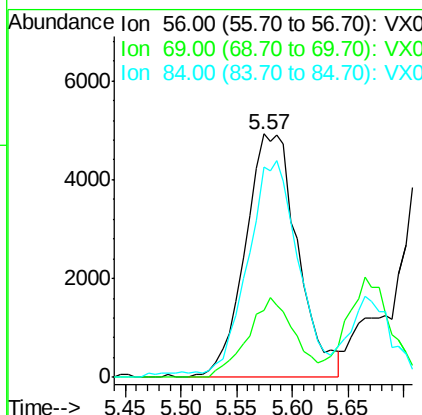
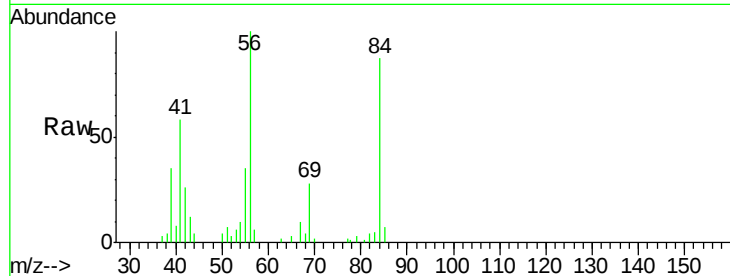
#31
Cyclohexane
Concen: 5.15 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.0	36.0
84	84.9	69.0	103.4

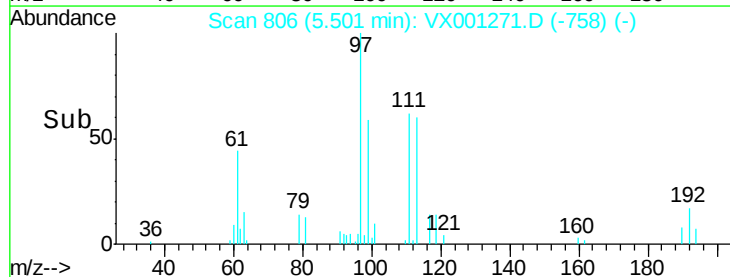
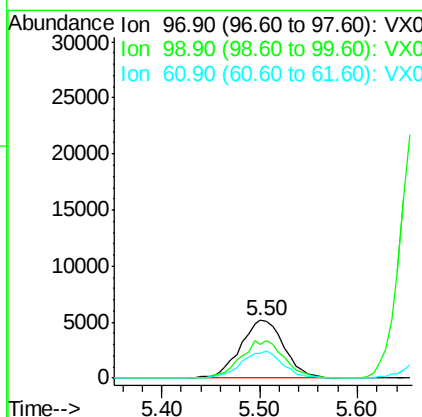
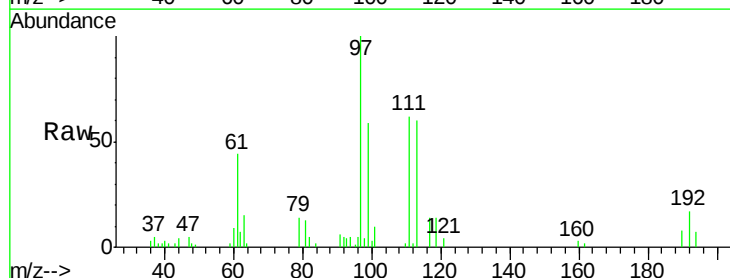
Manual Integrations
APPROVED

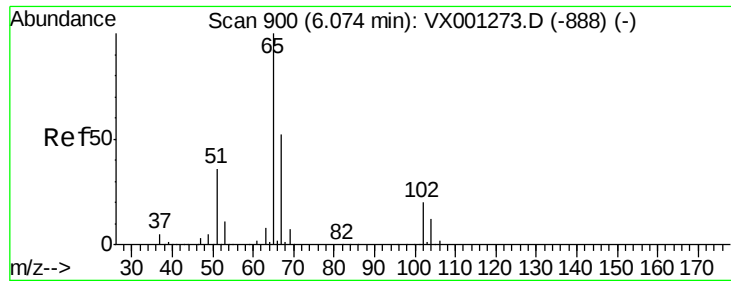
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#32
1,1,1-Trichloroethane
Concen: 4.73 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	44.6	35.4	53.2





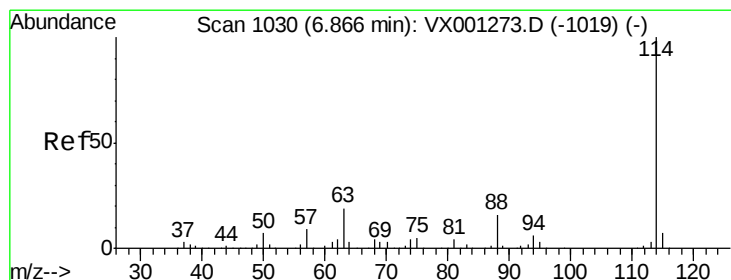
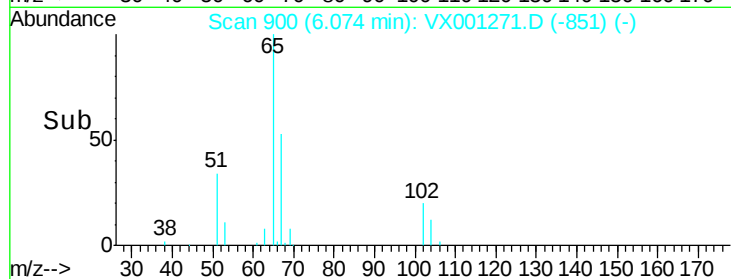
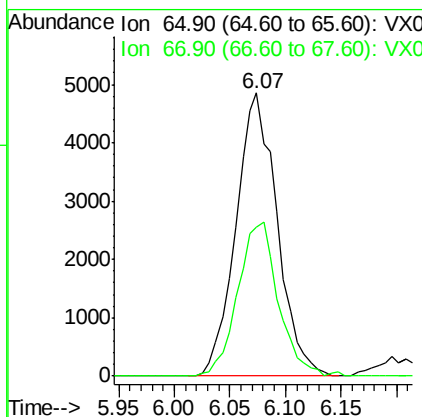
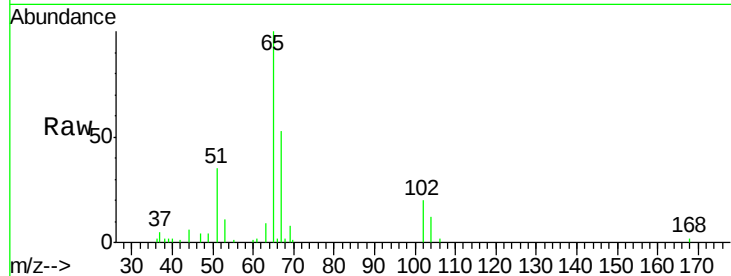
#33
 1,2-Dichloroethane-d4
 Concen: 4.31 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	102.8

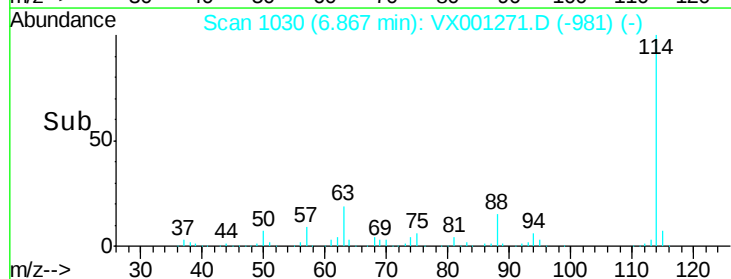
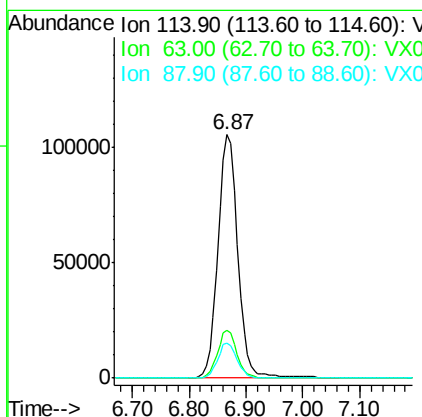
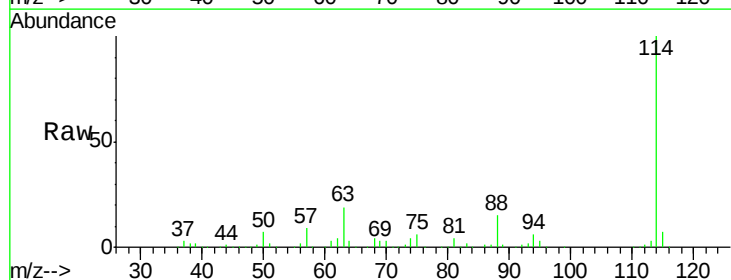
Manual Integrations
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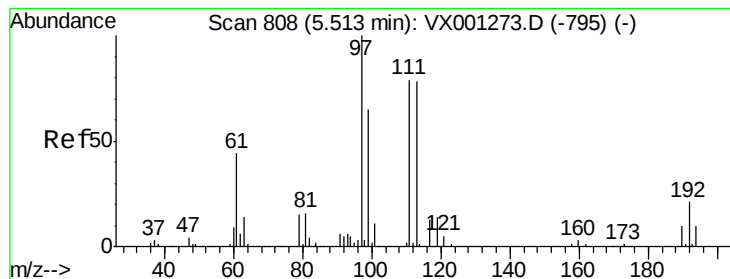
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.8
88	14.6	0.0	32.2





#35

Dibromofluoromethane

Concen: 4.69 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 9977

Ion Ratio Lower Upper

113 100

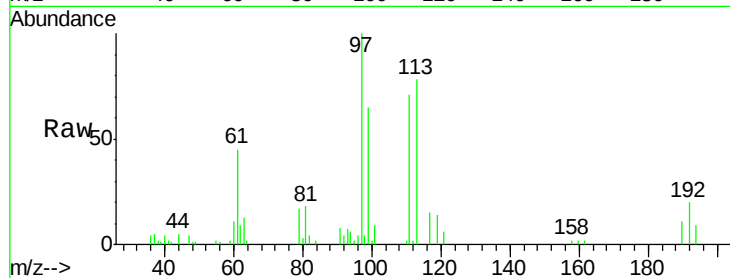
111 101.5 81.2 121.8

192 26.2 20.7 31.1

Manual Integrations
APPROVED

MMDadoda

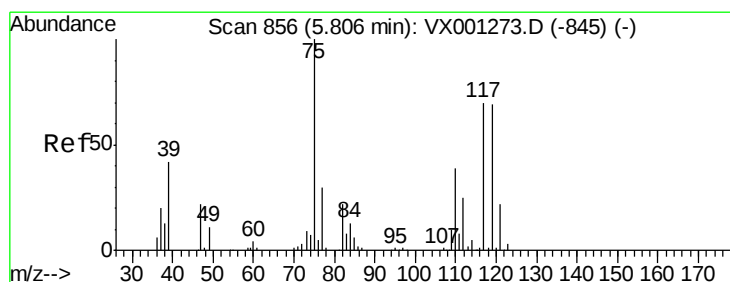
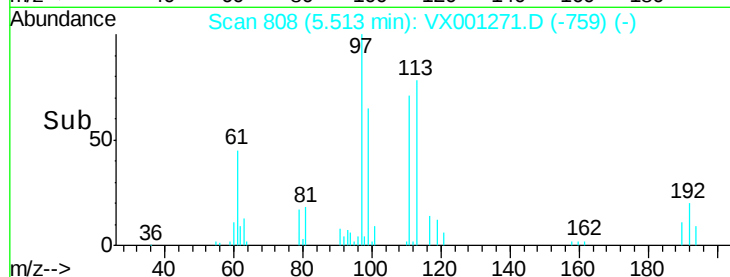
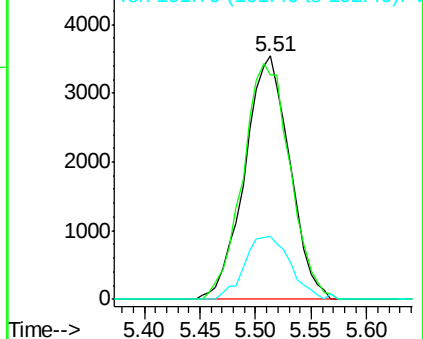
5/2/2018 4:20:51 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.95 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

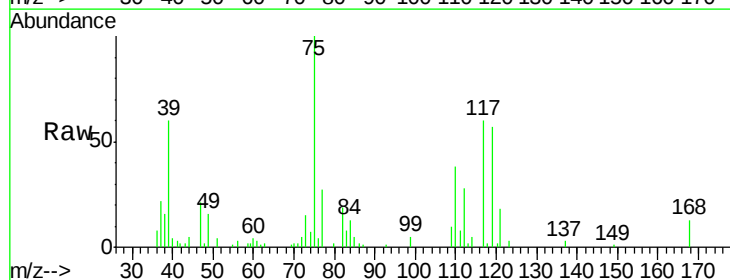
Tgt Ion: 75 Resp: 14093

Ion Ratio Lower Upper

75 100

110 37.8 18.9 56.9

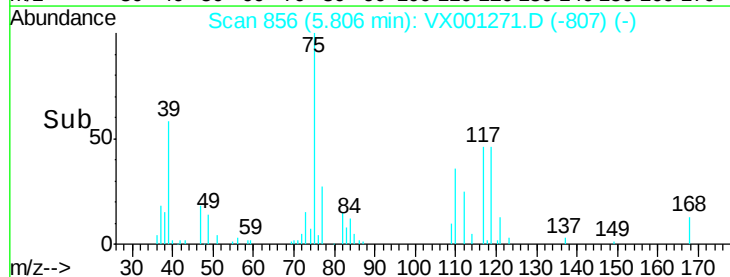
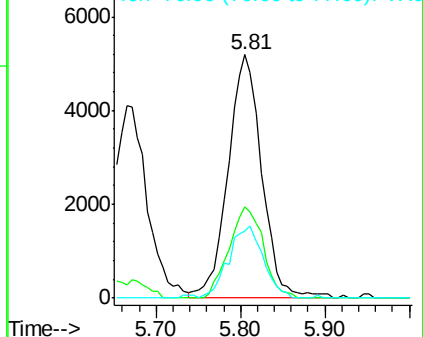
77 30.2 24.2 36.2

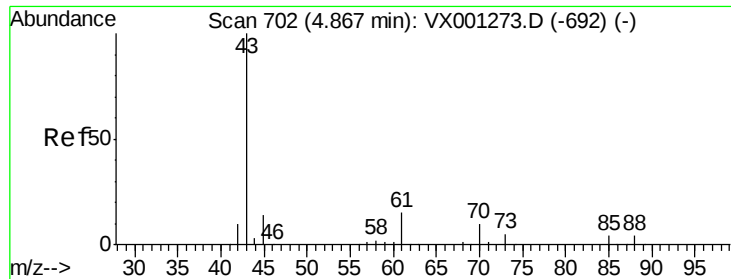


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





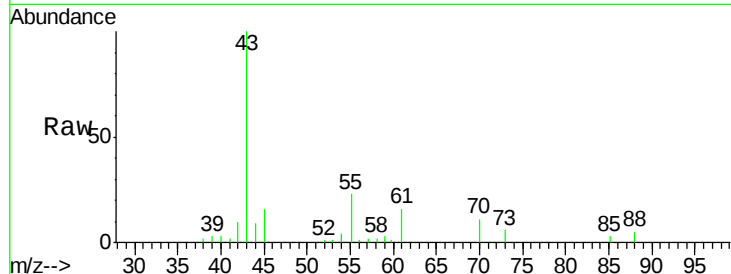
#37
Ethyl Acetate
Concen: 4.28 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	14223
Ion Ratio	100	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	12.0	8.0	12.0

Manual Integrations
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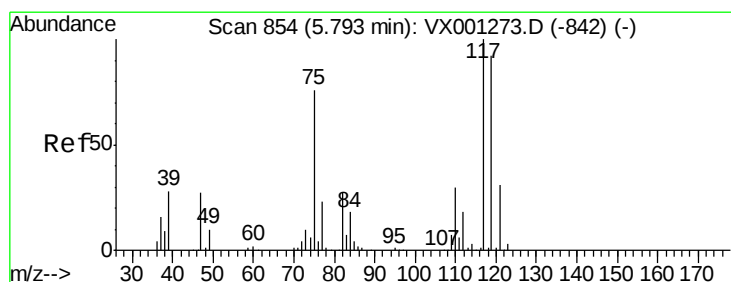
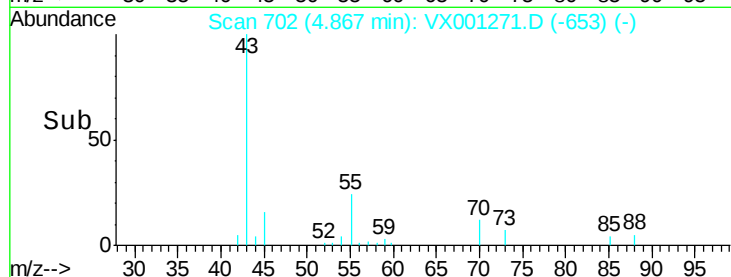
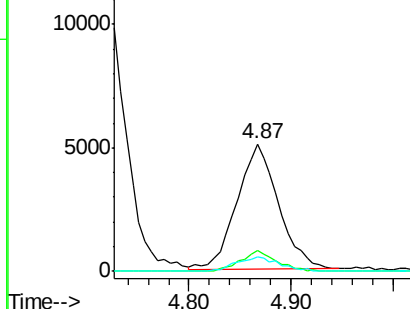
MMDadoda
5/2/2018 4:20:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VX001271.D (-653) (-)

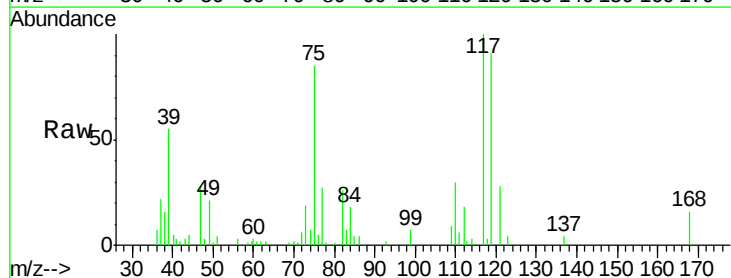
Ion 60.90 (60.60 to 61.60): VX001271.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX001271.D (-653) (-)



#38
Carbon Tetrachloride
Concen: 4.78 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

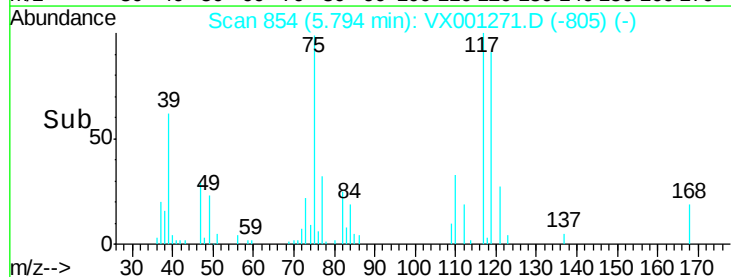
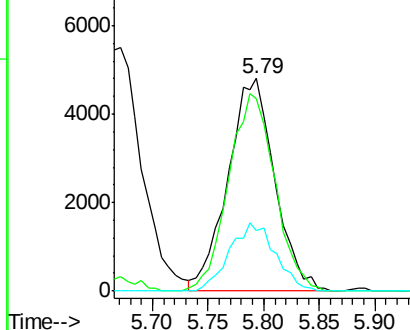
Tgt Ion	117	Resp	14024
Ion Ratio	100	Lower	Upper
117	100		
119	90.6	73.4	110.2
121	28.3	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): VX001271.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX001271.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX001271.D (-805) (-)





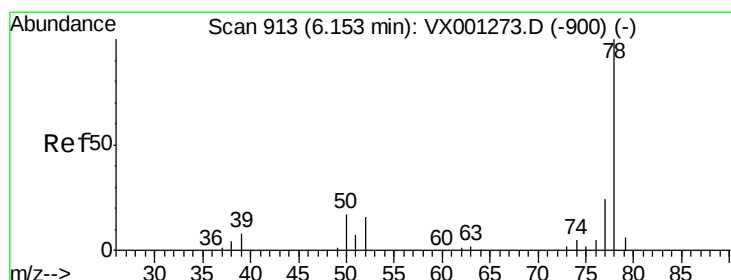
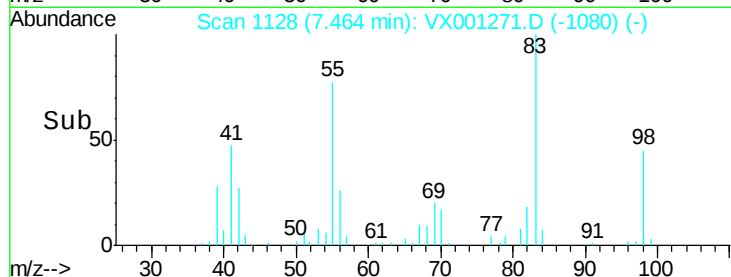
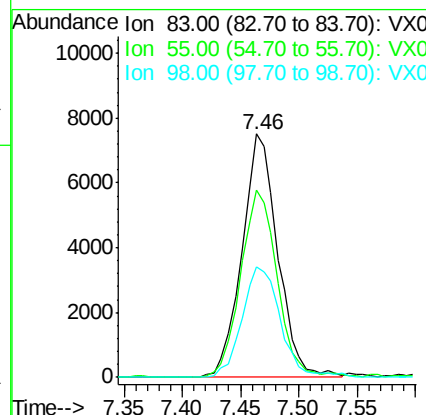
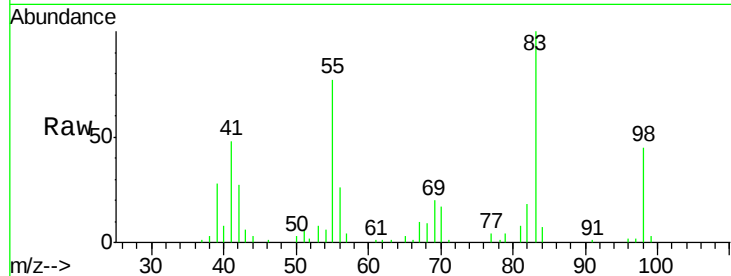
#39
Methvlcvclohexane
Concen: 5.04 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.4	90.6
98	45.1	37.0	55.6

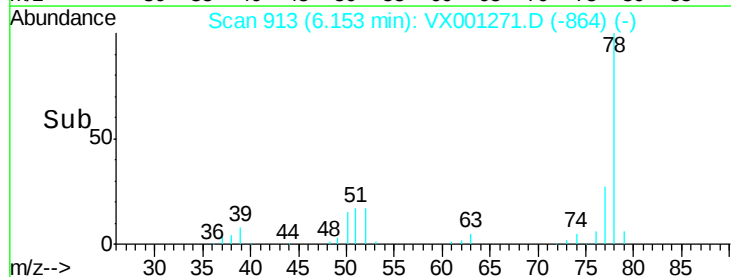
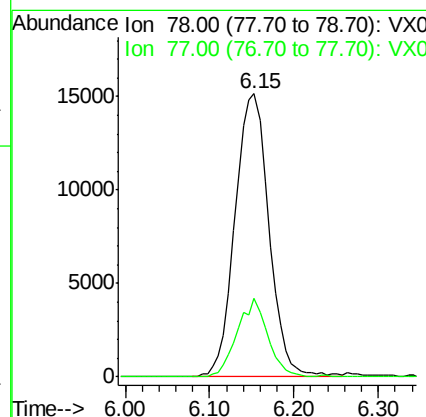
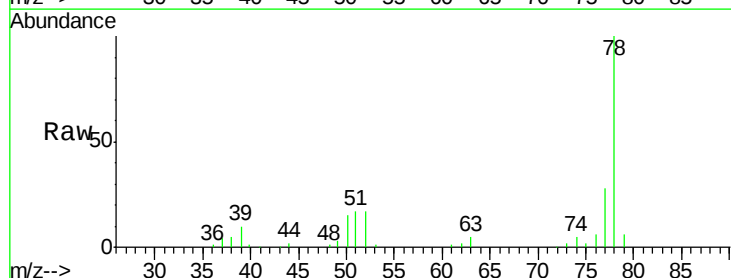
Manual Integrations
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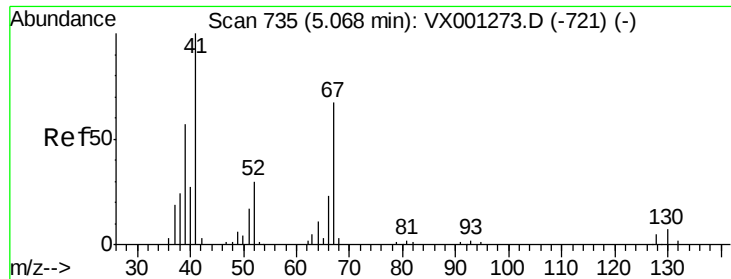
MMDadoda
5/2/2018 4:20:51 PM



#40
Benzene
Concen: 5.06 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.7	19.0	28.4





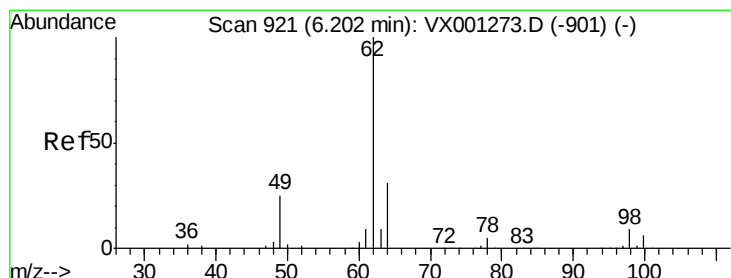
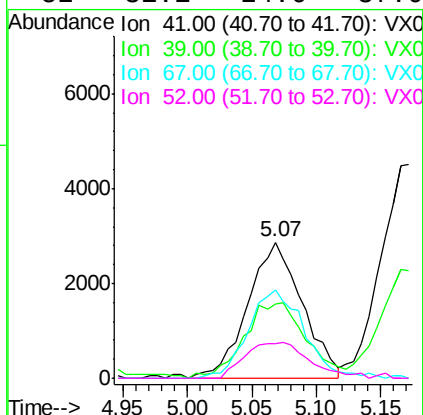
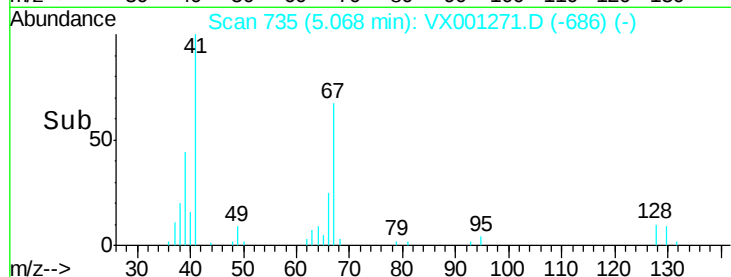
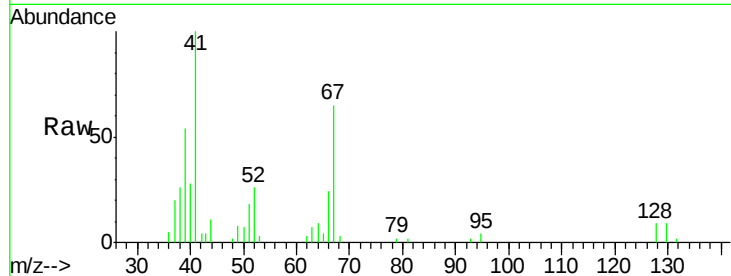
#41
Methacrylonitrile
Concen: 4.51 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	8414
Ion	Ratio	Lower	Upper
41	100		
39	63.3	45.8	68.8
67	67.1	54.8	82.2
52	31.1	24.6	37.0

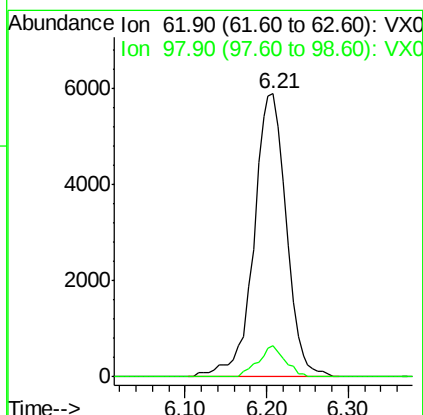
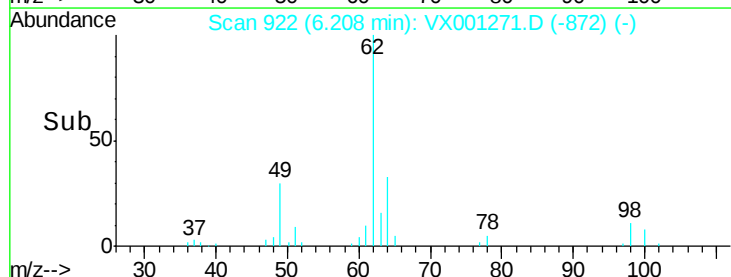
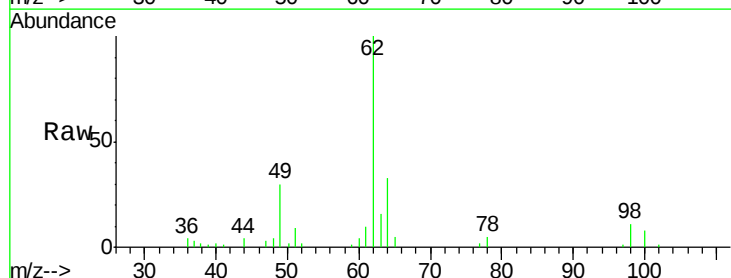
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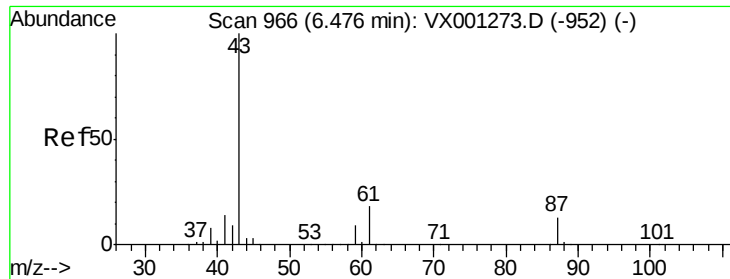
MMDadoda
5/2/2018 4:20:51 PM



#42
1,2-Dichloroethane
Concen: 4.99 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion:	62	Resp:	16324
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 4.34 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

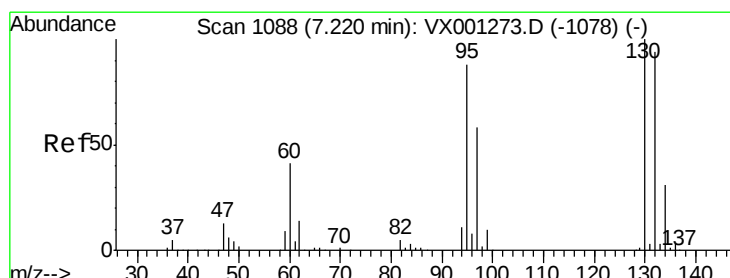
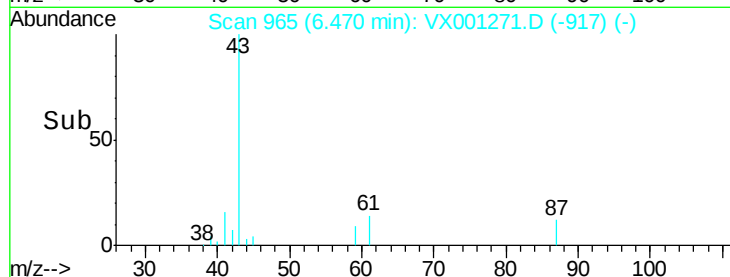
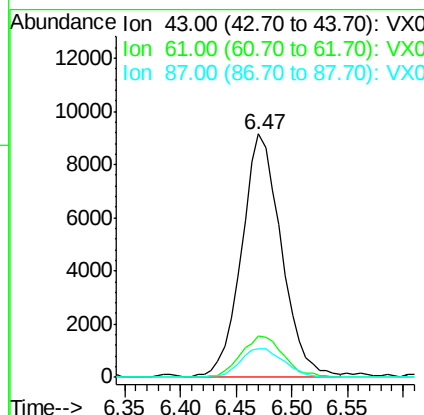
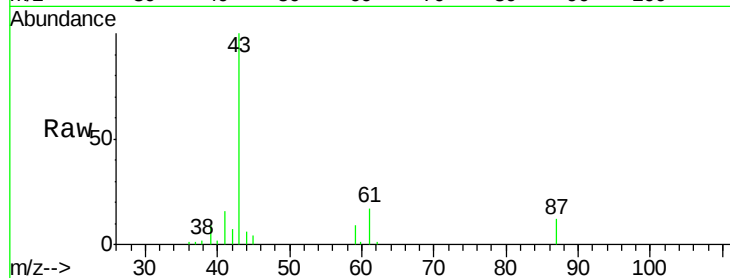
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	22756
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.0	22.4
87	13.0	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 5.16 ug/l

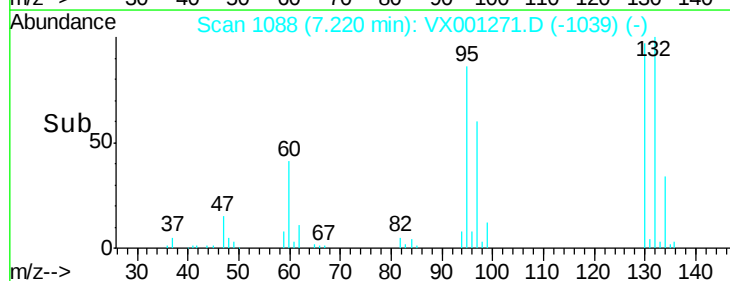
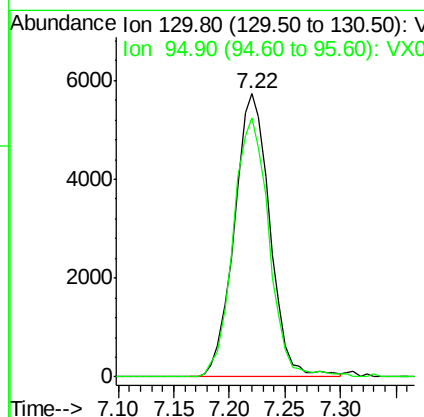
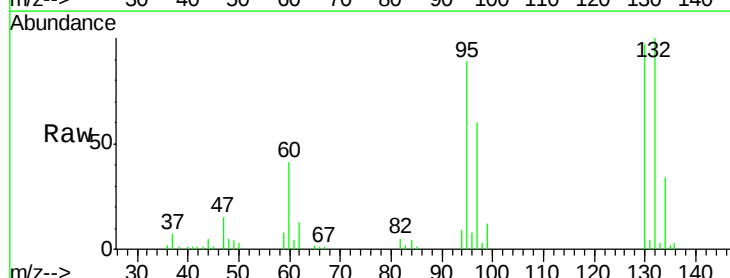
RT: 7.22 min Scan# 1088

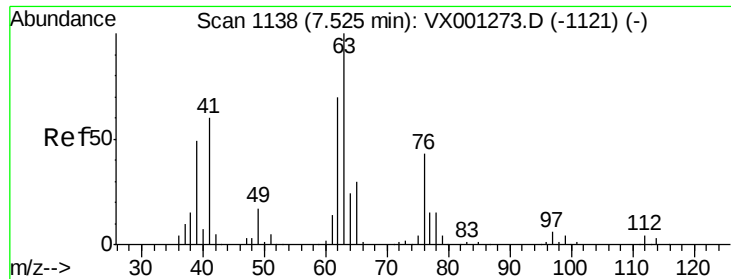
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	130	Resp:	12674
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	176.0





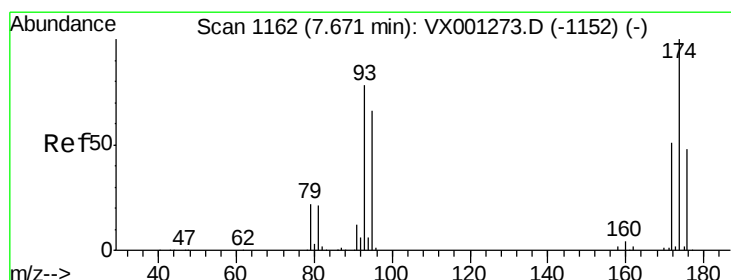
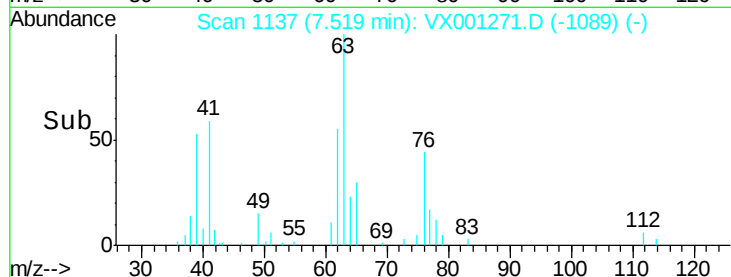
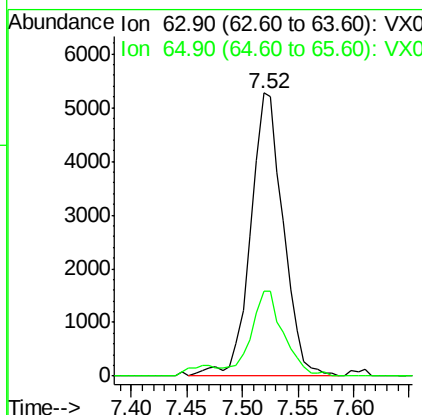
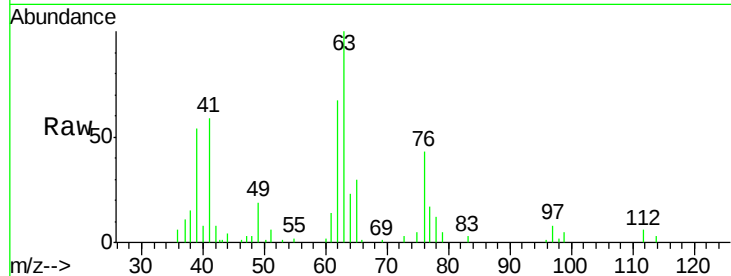
#45
1,2-Dichloropropane
Concen: 5.03 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 10790
Ion Ratio Lower Upper
63 100
65 29.9 24.2 36.4

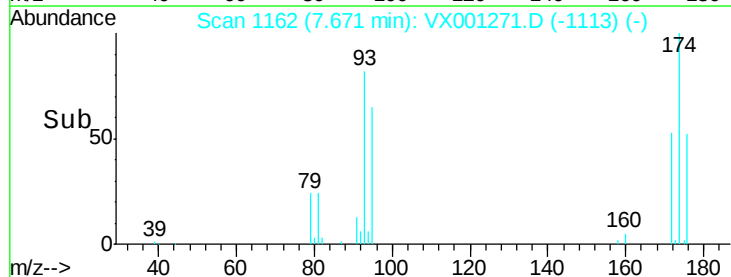
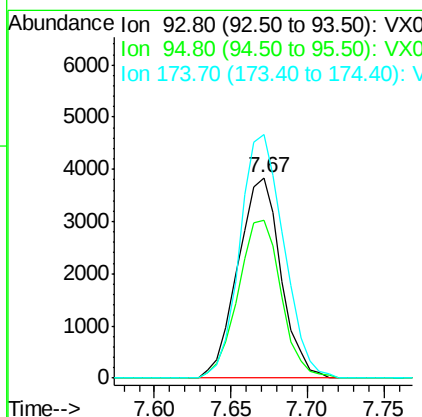
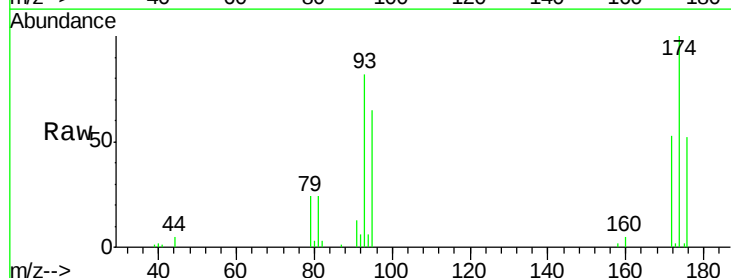
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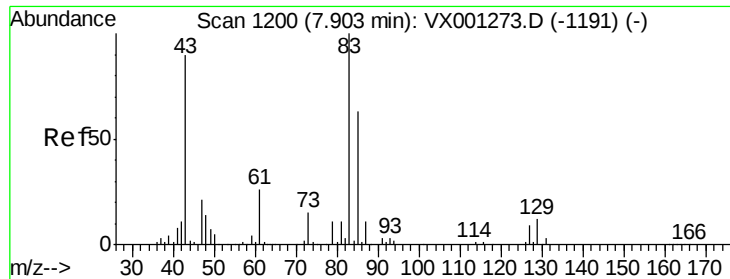
MMDadoda
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#46
Dibromomethane
Concen: 5.05 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion: 93 Resp: 7510
Ion Ratio Lower Upper
93 100
95 79.0 67.0 100.6
174 123.7 102.3 153.5





#47

Bromodichloromethane

Concen: 4.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

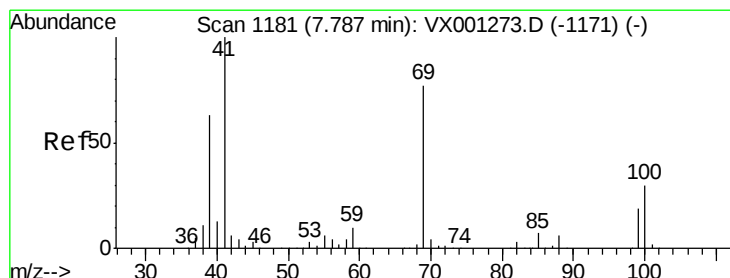
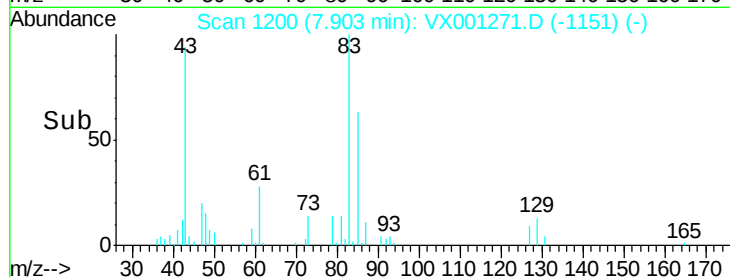
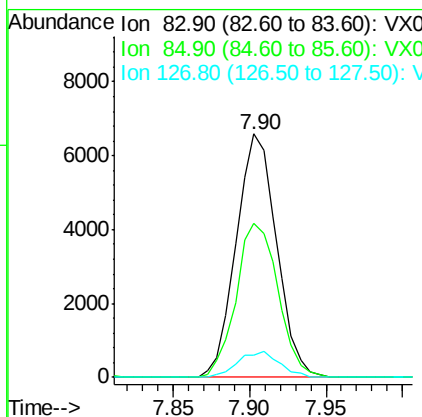
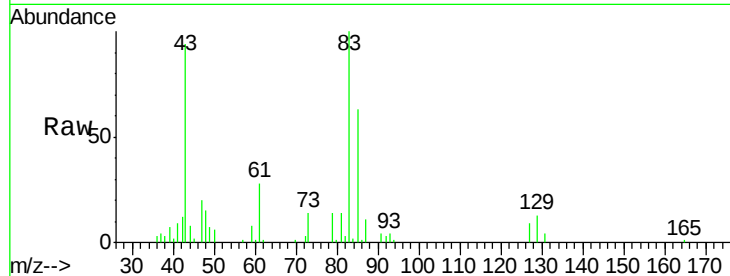
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12075
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.3	75.5
127	8.9	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.32 ug/l

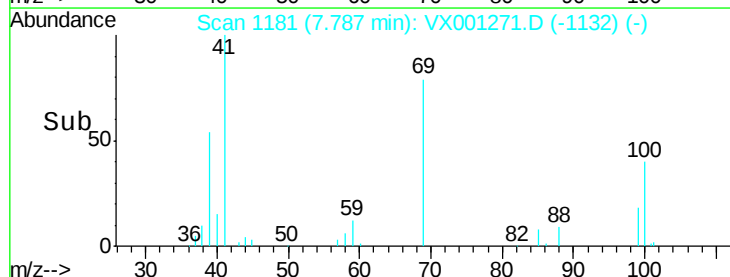
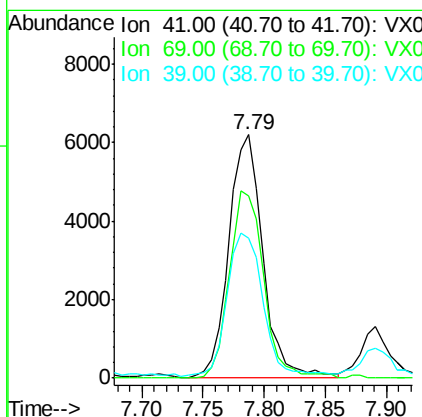
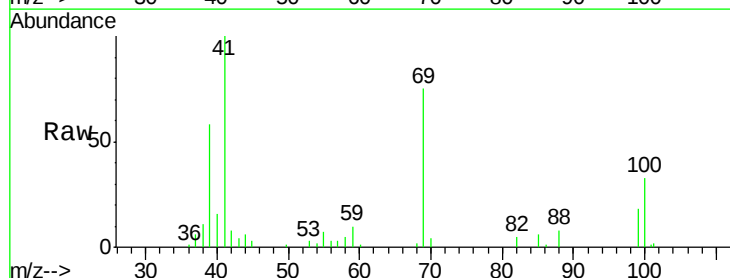
RT: 7.79 min Scan# 1181

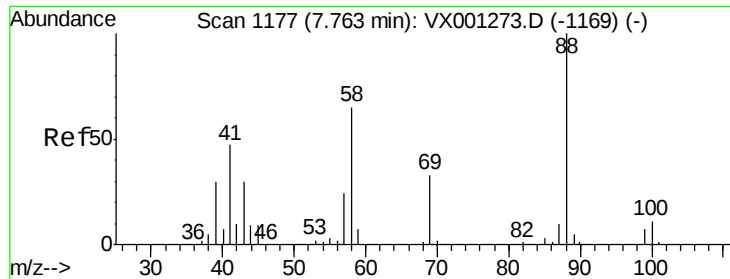
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	41	Resp:	12008
Ion	Ratio	Lower	Upper
41	100		
69	77.2	63.0	94.6
39	61.6	50.2	75.4





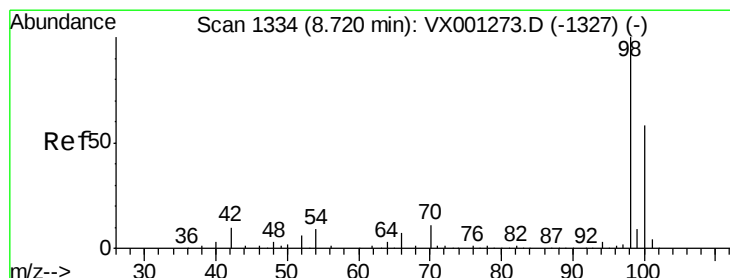
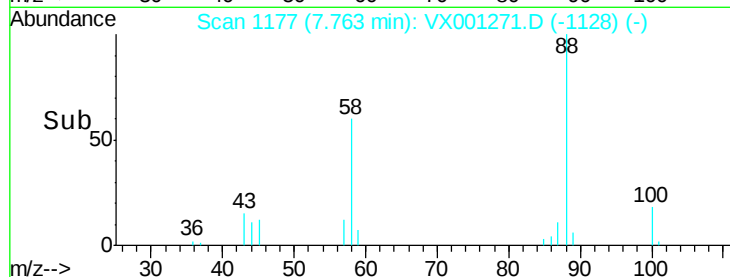
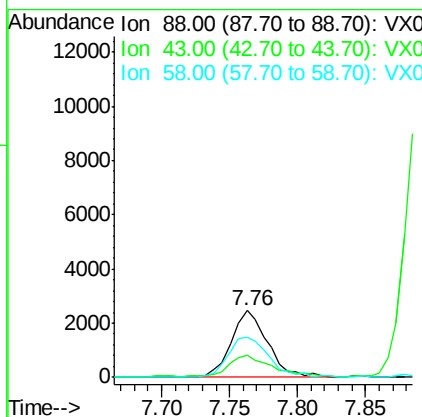
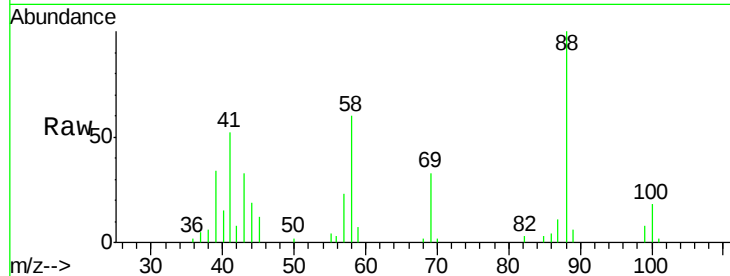
#49
1,4-Dioxane
Concen: 82.73 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	27.9	41.9#
58	68.9	54.2	81.2

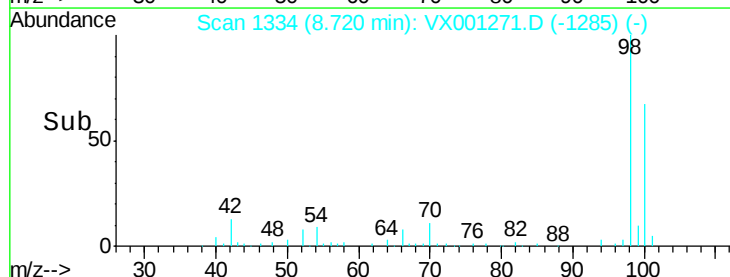
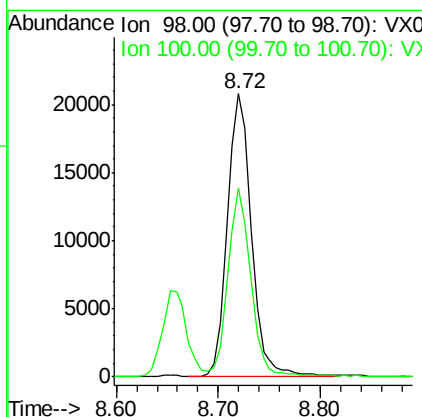
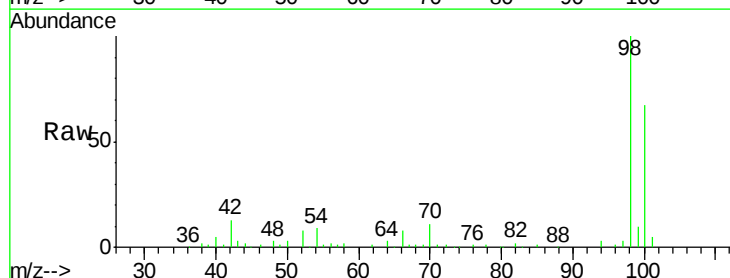
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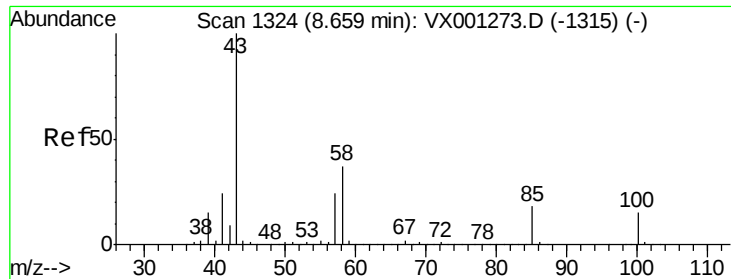
MMDadoda
5/2/2018 4:20:51 PM



#50
Toluene-d8
Concen: 4.22 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 21.69 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 74477

Ion Ratio Lower Upper

43 100

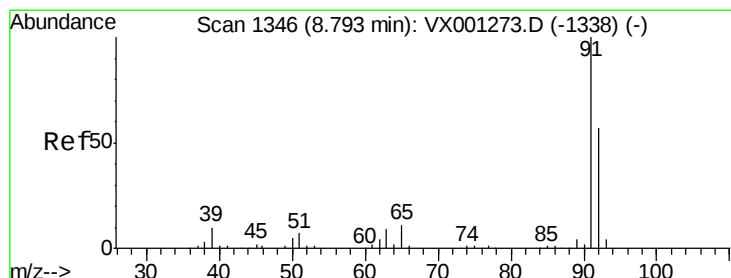
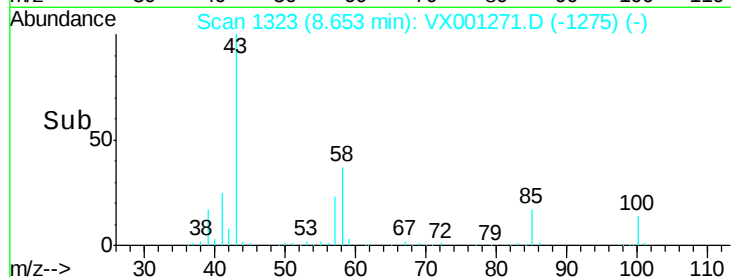
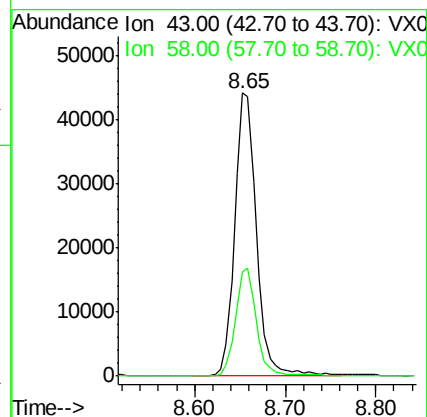
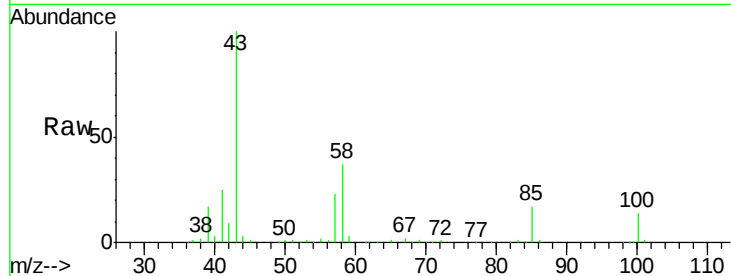
58 36.1 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 5.01 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001271.D

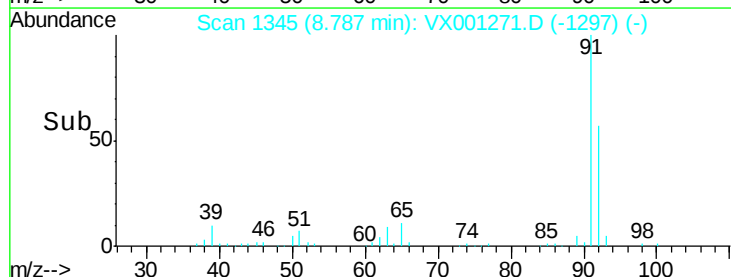
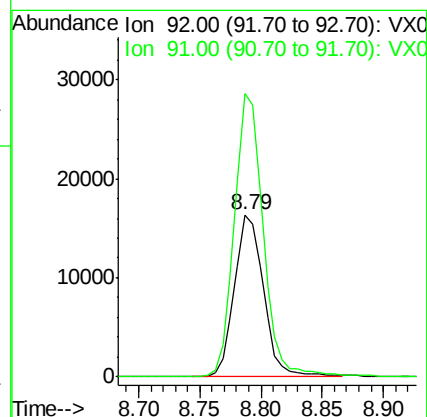
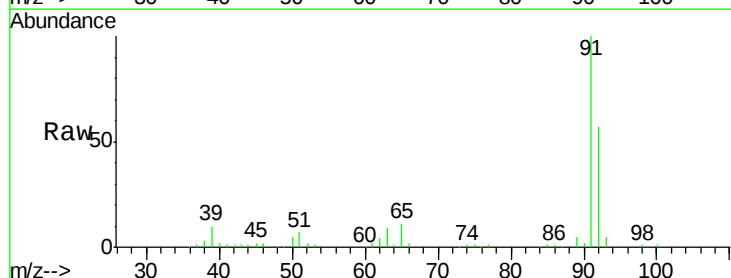
Acq: 01 May 2018 11:28

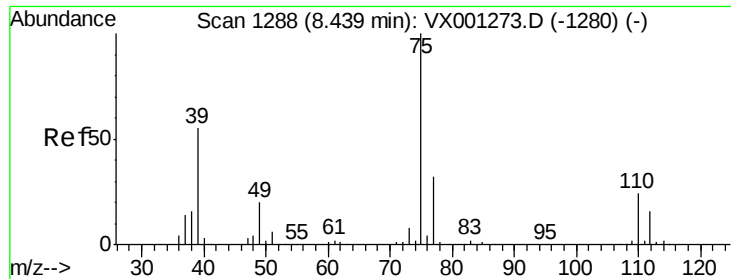
Tgt Ion: 92 Resp: 26898

Ion Ratio Lower Upper

92 100

91 174.4 139.0 208.6





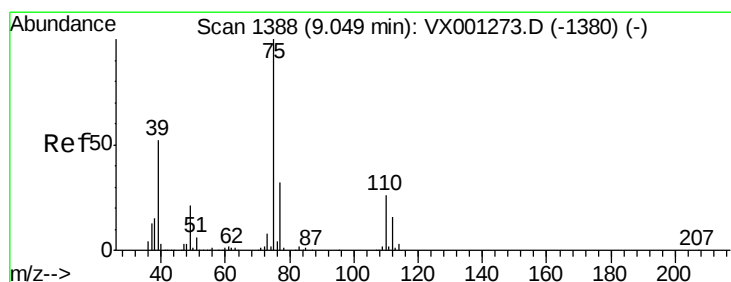
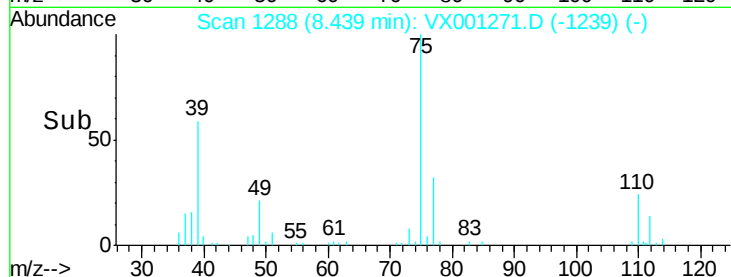
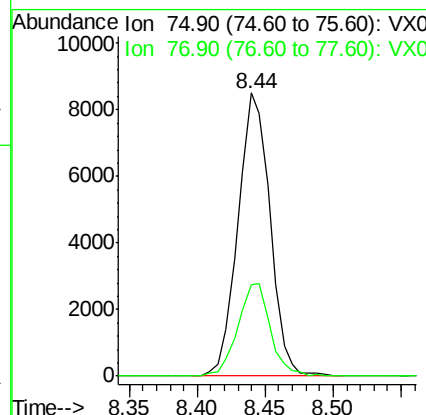
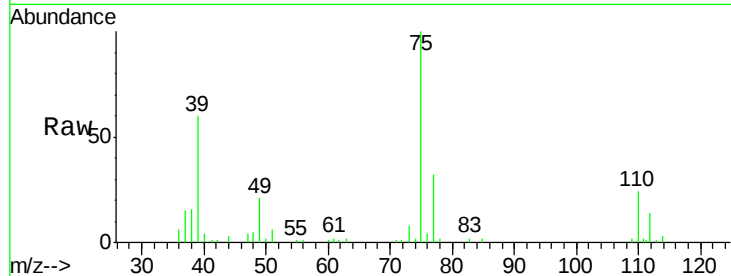
#53
t-1,3-Dichloropropene
Concen: 4.43 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	75	Resp	13903
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.6	38.4

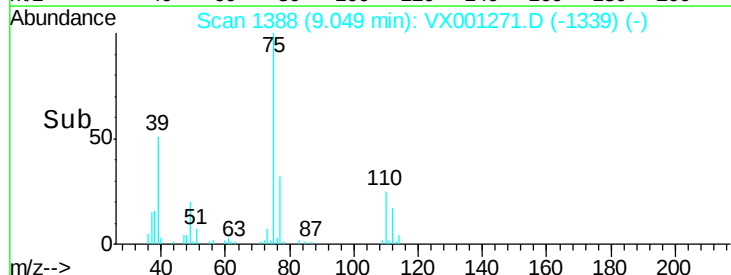
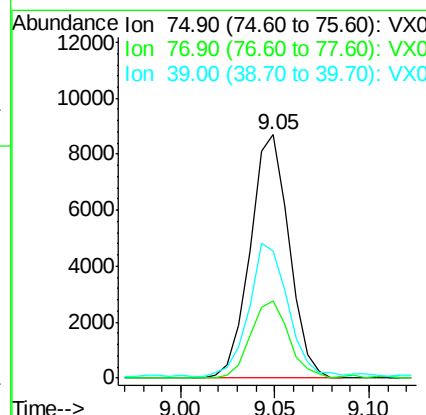
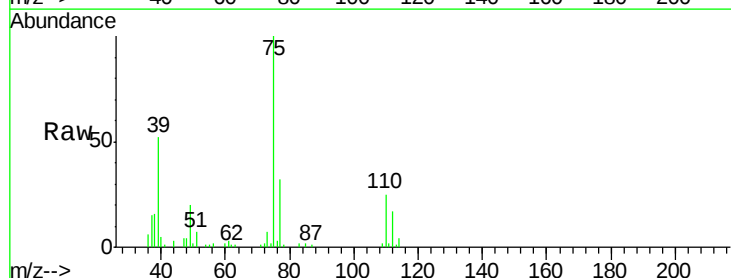
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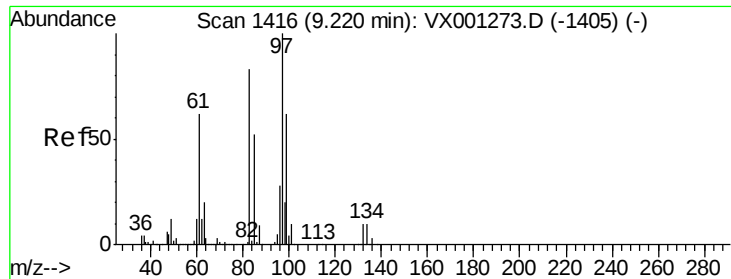
MMDadoda
5/2/2018 4:20:51 PM



#54
cis-1,3-Dichloropropene
Concen: 4.22 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	75	Resp	12422
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.5	38.3
39	51.6	41.9	62.9





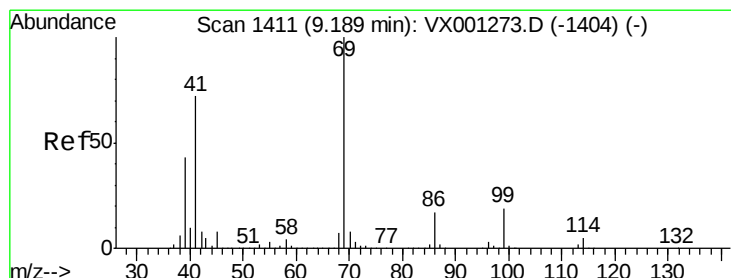
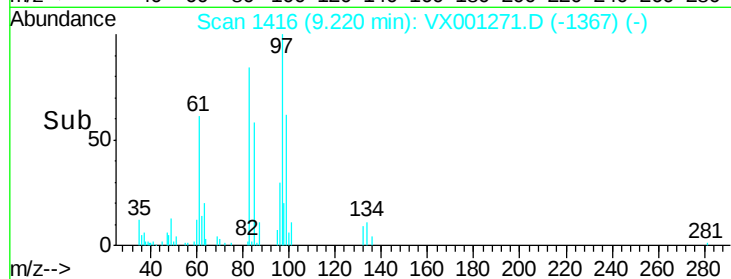
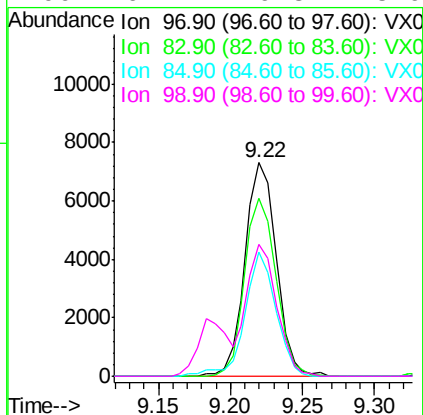
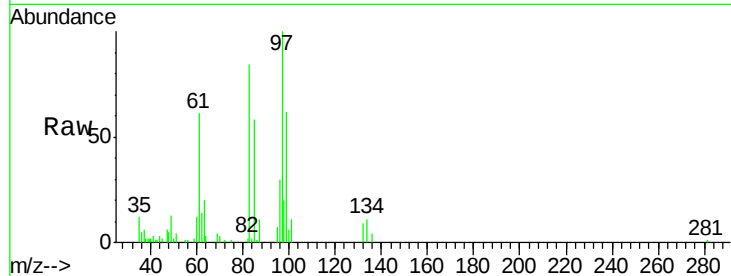
#55
 1,1,2-Trichloroethane
 Concen: 4.88 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	11016
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.4	99.6
85	58.0	41.6	62.4
99	61.7	49.3	73.9

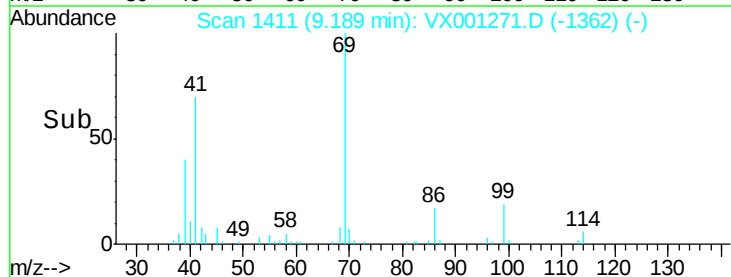
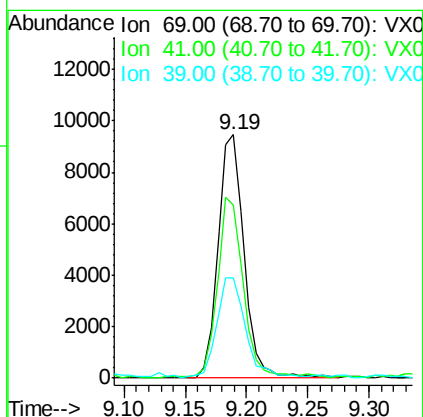
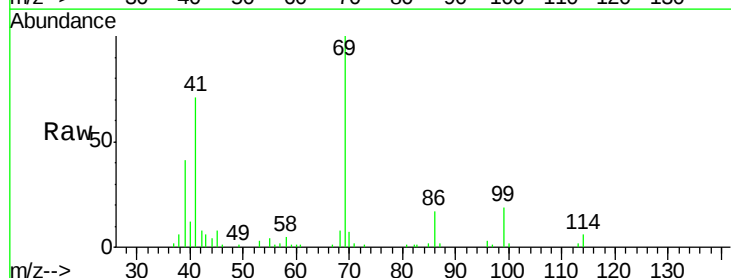
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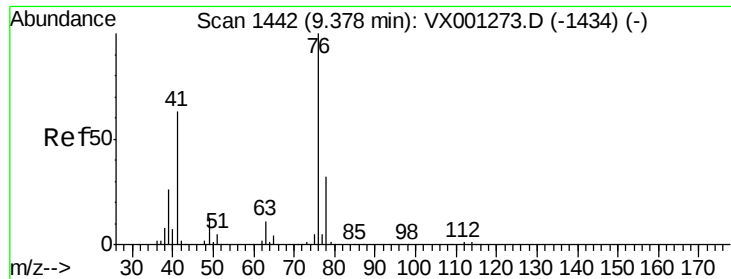
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.24 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion:	69	Resp:	14043
Ion	Ratio	Lower	Upper
69	100		
41	75.5	57.2	85.8
39	46.1	34.3	51.5





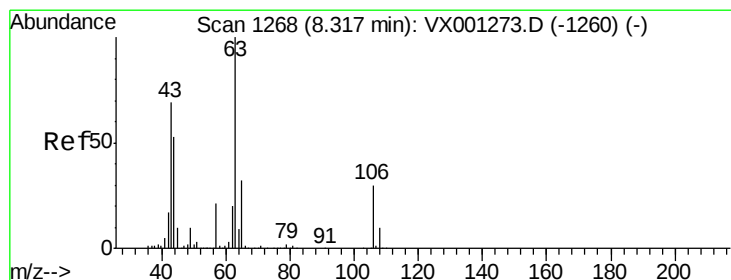
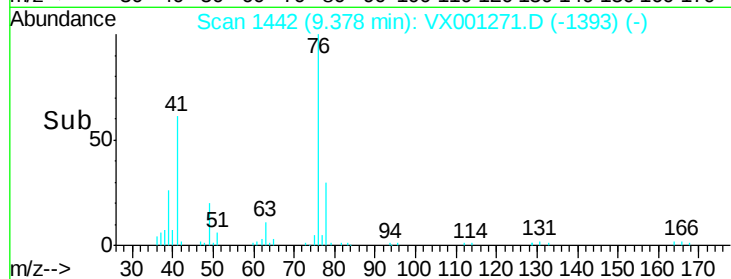
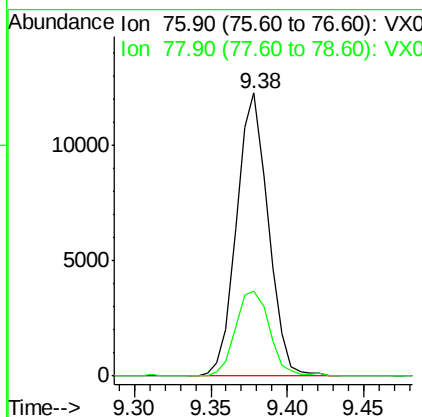
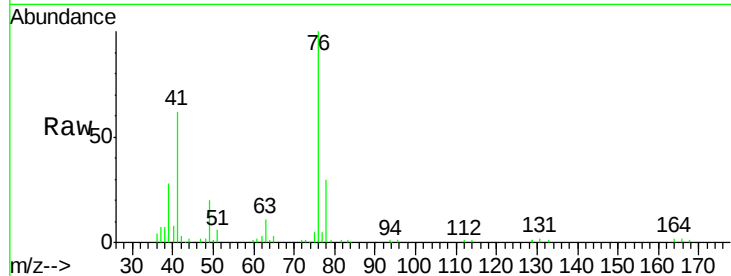
#57
 1,3-Dichloropropane
 Concen: 4.85 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

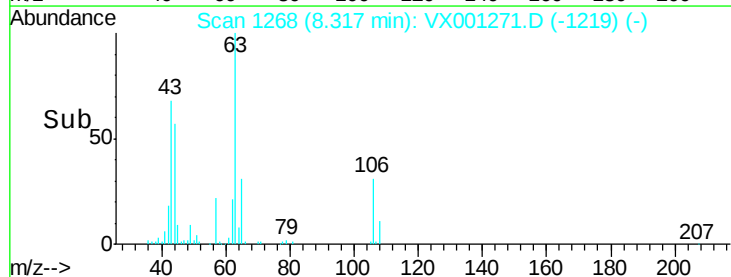
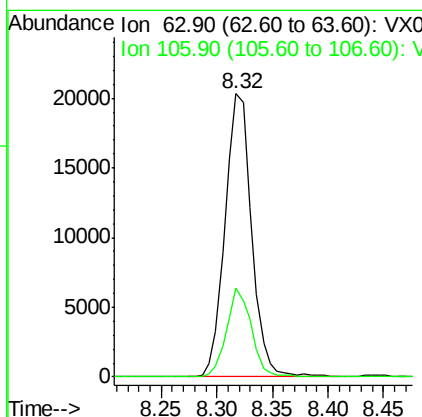
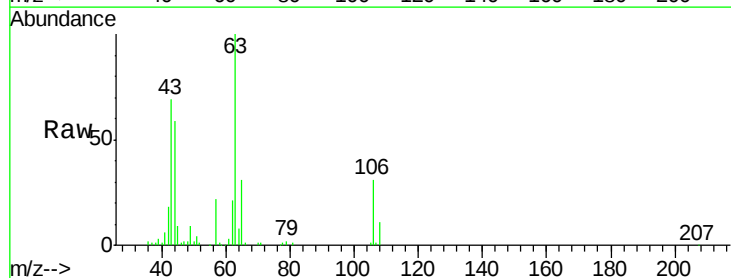
Manual Integrations
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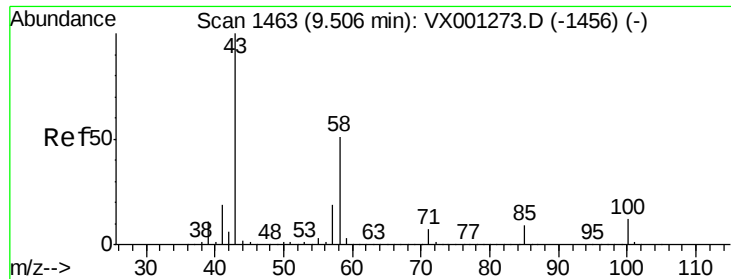
MMDadoda
 5/2/2018 4:20:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.32 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.8	35.6





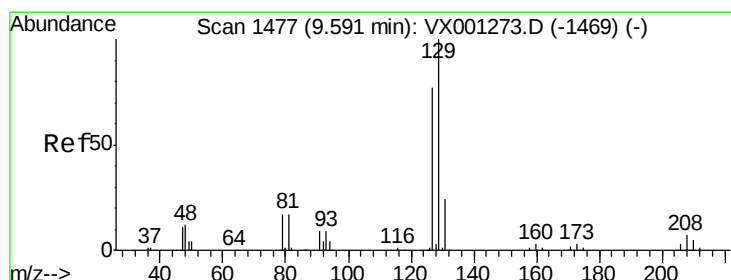
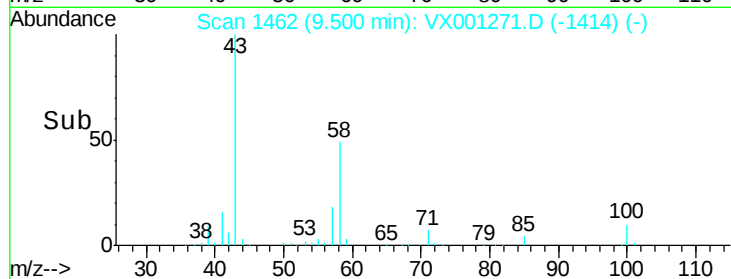
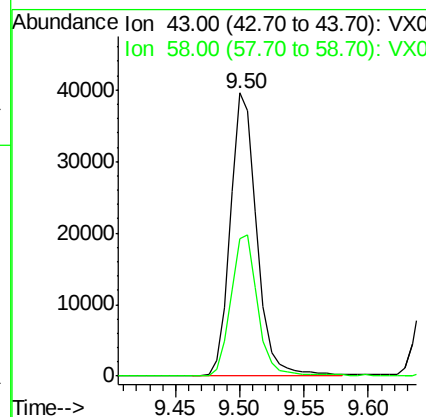
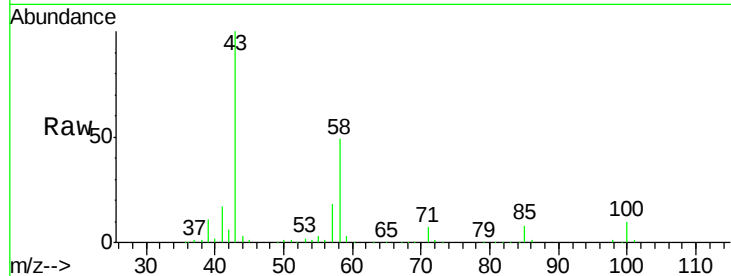
#59
2-Hexanone
Concen: 21.16 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 57016
Ion Ratio Lower Upper
43 100
58 51.4 25.7 77.0

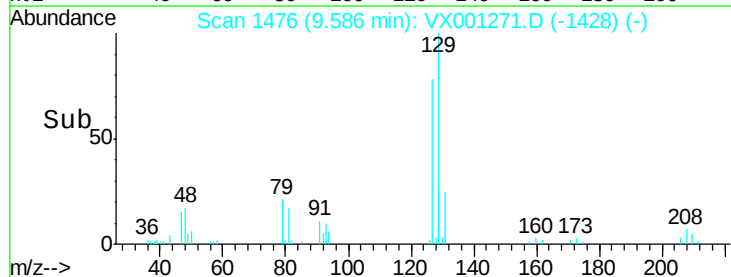
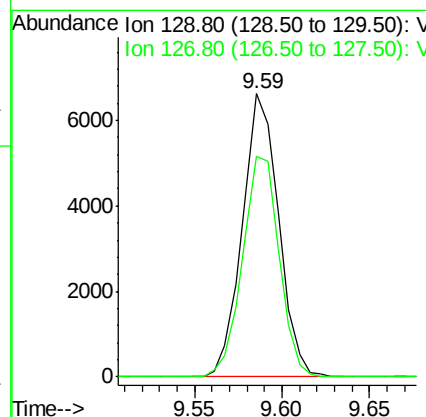
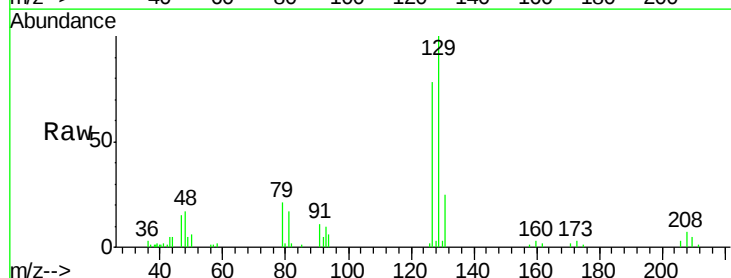
Manual Integrations
APPROVED

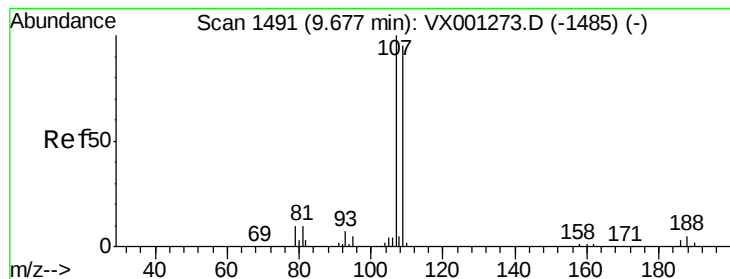
MMDadoda
5/2/2018 4:20:51 PM



#60
Dibromochloromethane
Concen: 4.17 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion: 129 Resp: 9523
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 4.74 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 11198

Ion Ratio Lower Upper

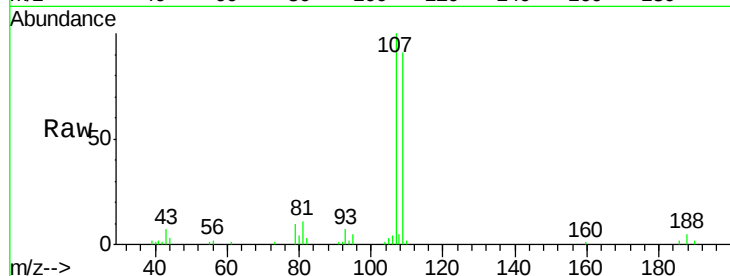
107 100

109 96.2 75.4 113.2

Manual Integrations
APPROVED

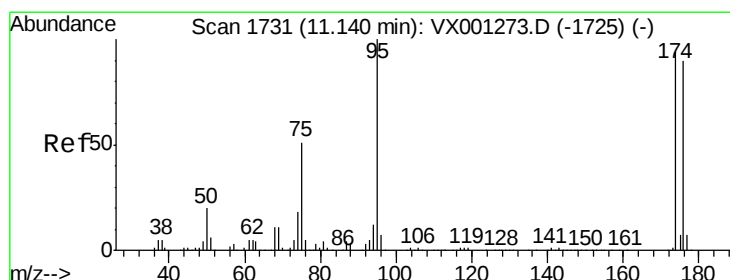
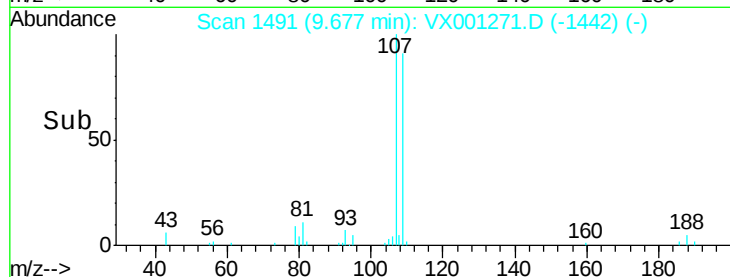
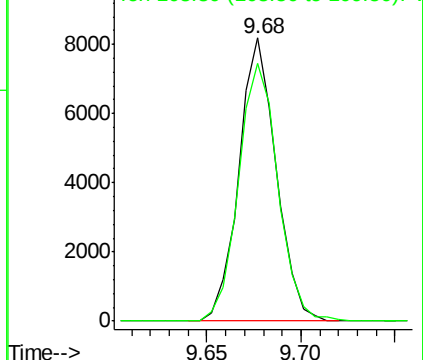
MMDadoda

5/2/2018 4:20:51 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

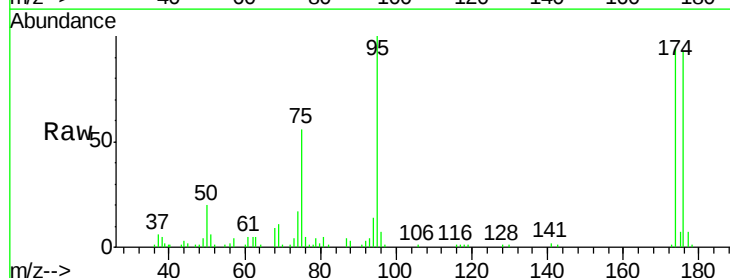
Tgt Ion: 95 Resp: 13412

Ion Ratio Lower Upper

95 100

174 100.8 0.0 201.8

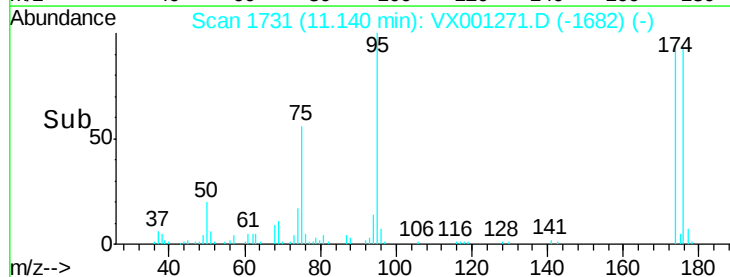
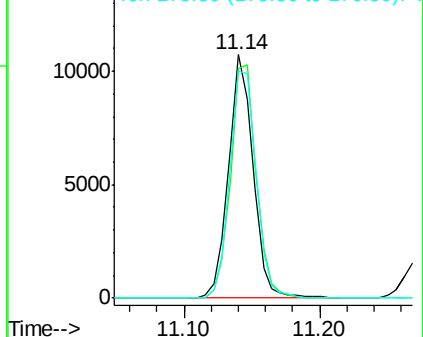
176 100.7 0.0 197.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





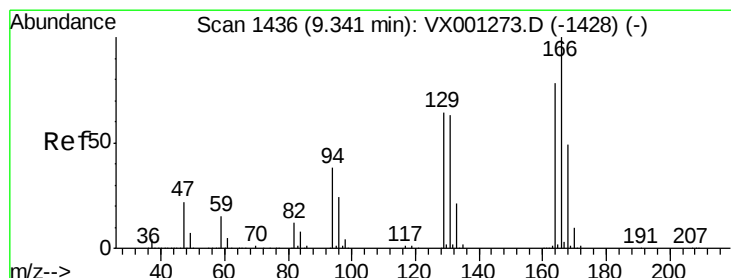
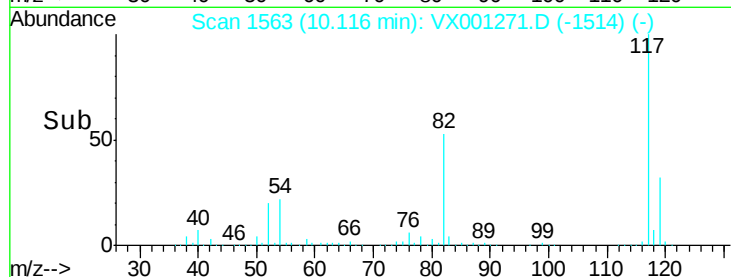
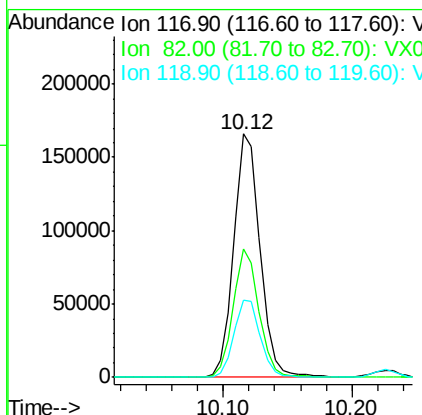
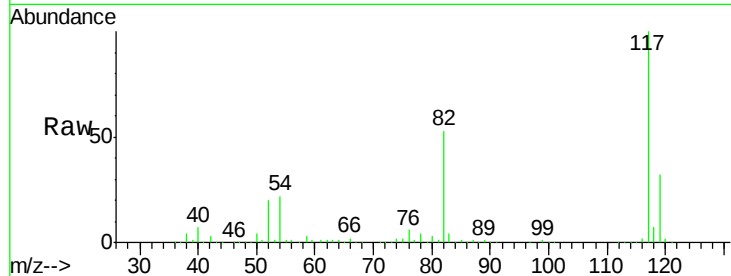
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.4	62.0
119	31.5	25.5	38.3

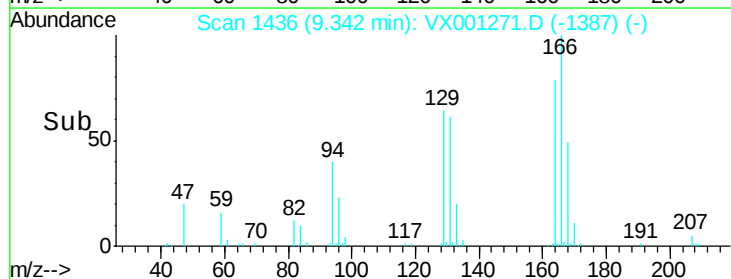
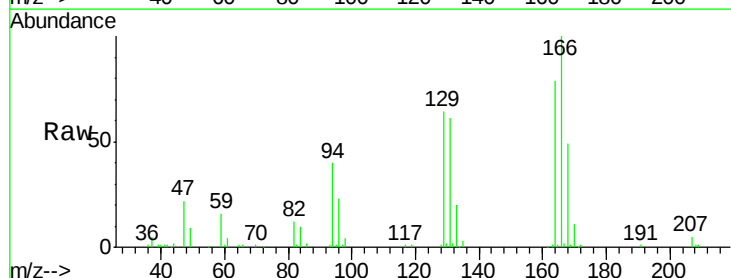
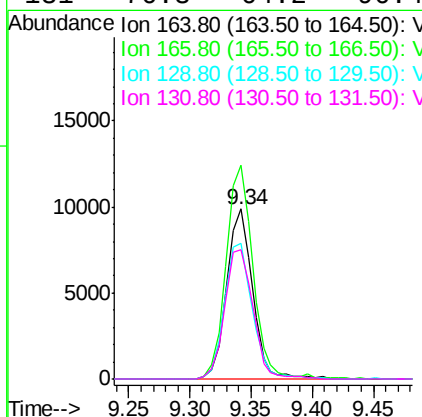
Manual Integrations
APPROVED

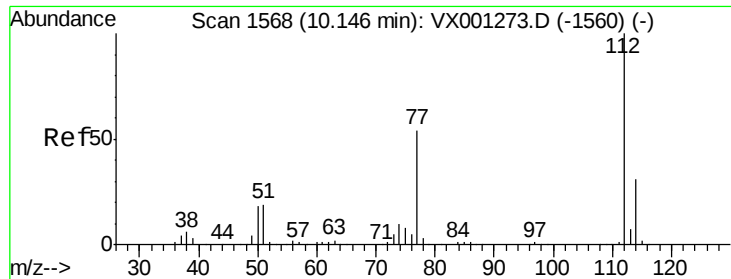
MMDadoda
5/2/2018 4:20:51 PM



#64
Tetrachloroethene
Concen: 5.57 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.3	153.5
129	80.2	65.1	97.7
131	76.3	64.2	96.4





#65

Chlorobenzene

Concen: 5.17 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 32287

Ion Ratio Lower Upper

112 100

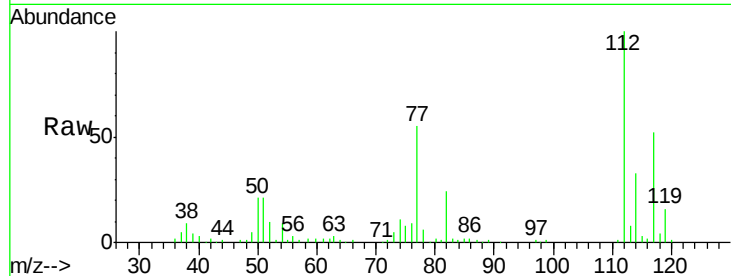
114 33.3 24.8 37.2

Manual Integrations

APPROVED

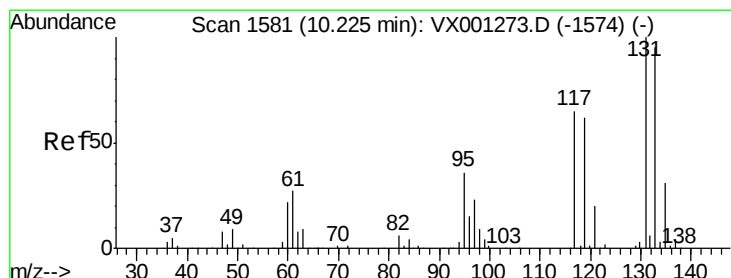
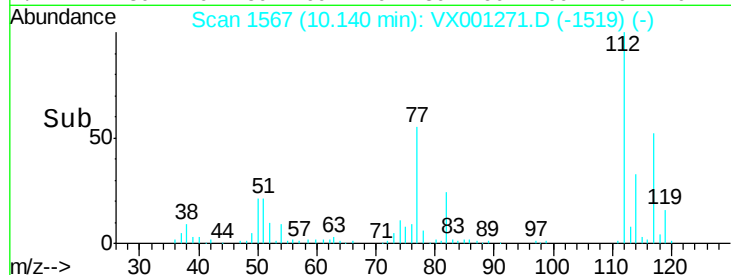
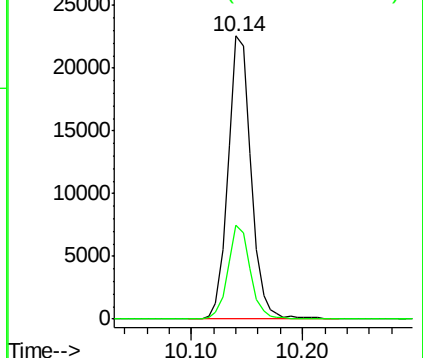
MMDadoda

5/2/2018 4:20:51 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.88 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

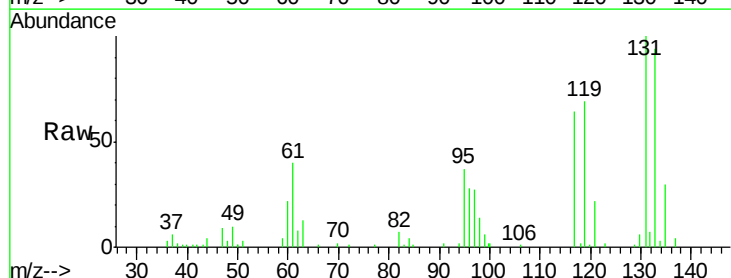
Tgt Ion:131 Resp: 10553

Ion Ratio Lower Upper

131 100

133 93.1 48.3 144.9

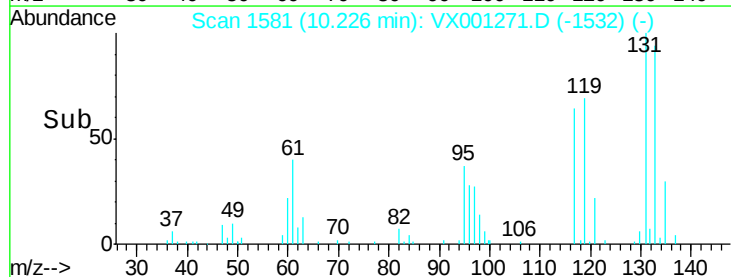
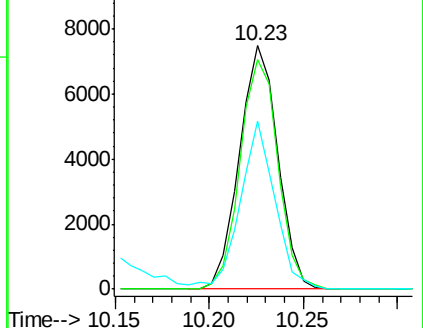
119 62.8 31.2 93.6

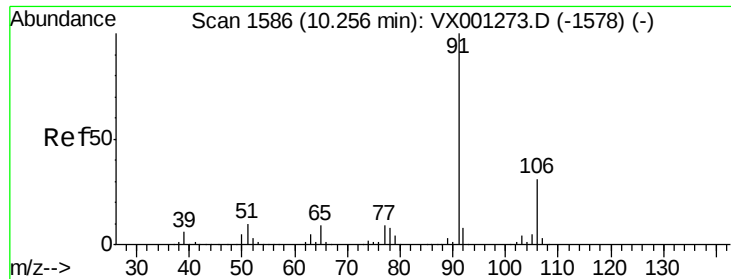


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





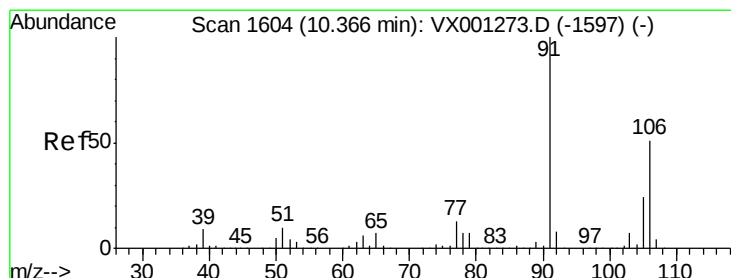
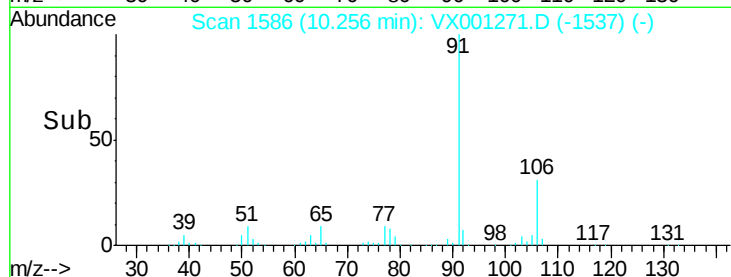
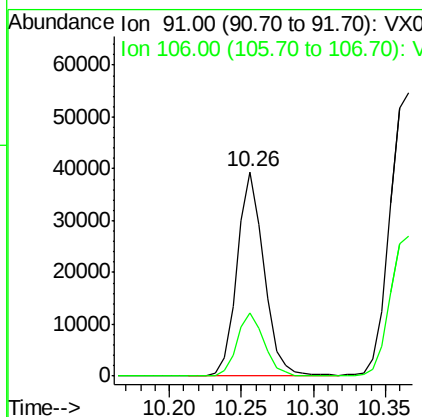
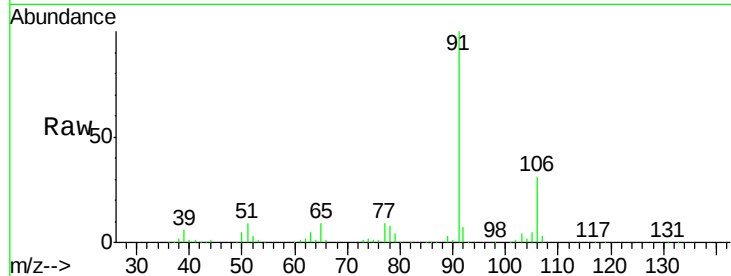
#67
Ethyl Benzene
Concen: 5.03 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 51341
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3

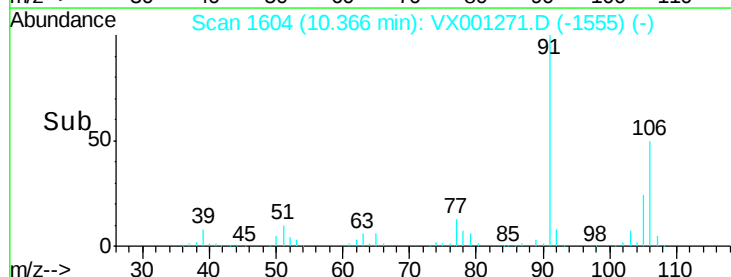
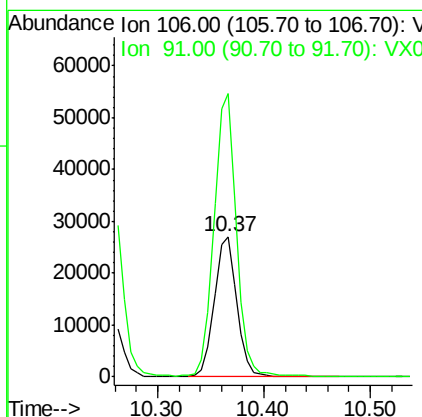
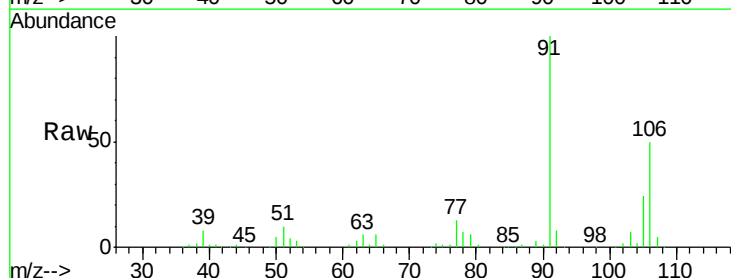
Manual Integrations
APPROVED

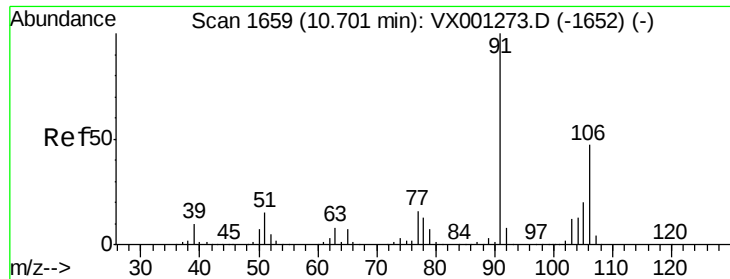
MMDadoda
5/2/2018 4:20:51 PM



#68
m/p-Xylenes
Concen: 9.78 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion: 106 Resp: 39467
Ion Ratio Lower Upper
106 100
91 198.1 159.4 239.2





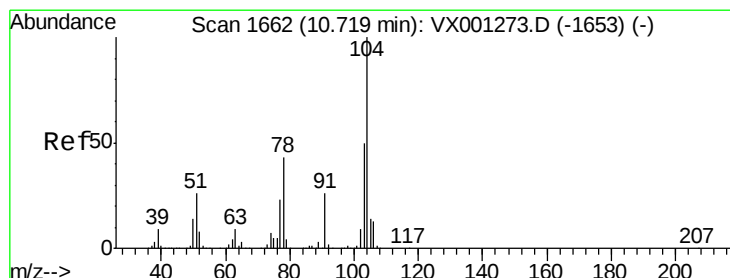
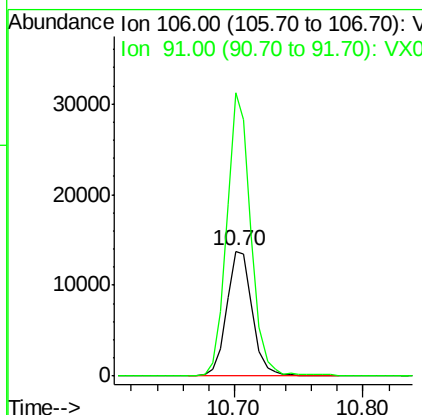
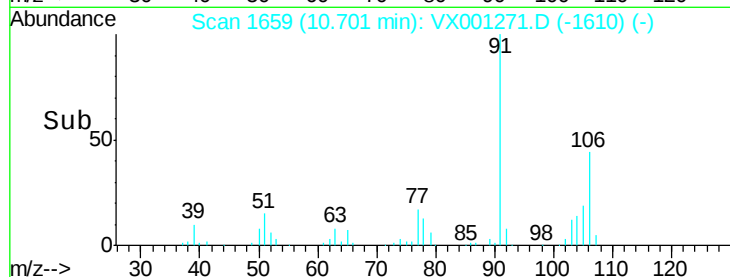
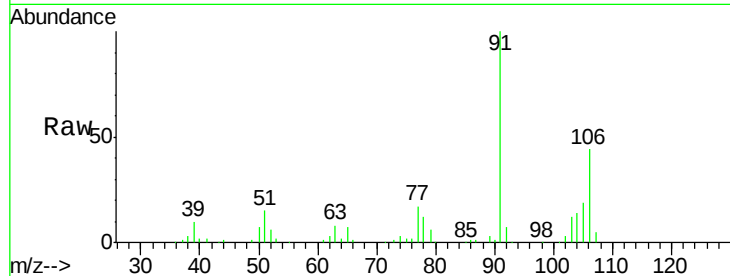
#69
o-Xylene
Concen: 4.92 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	106.3	319.0

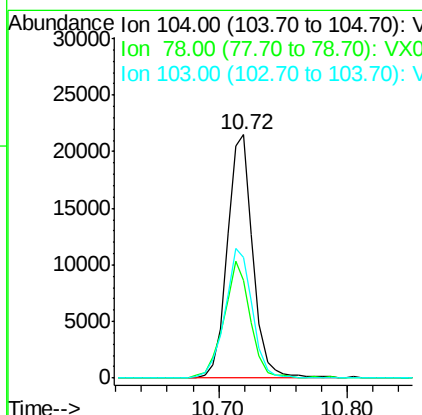
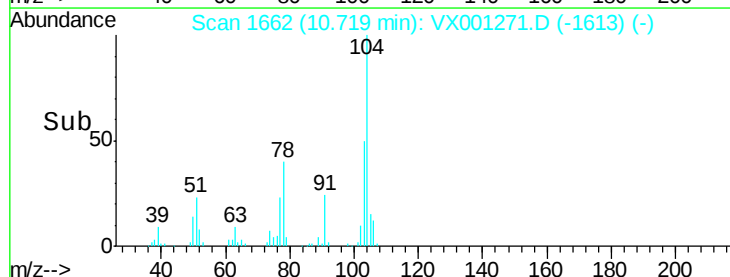
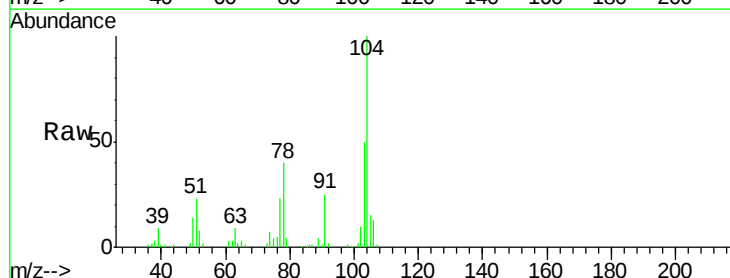
Manual Integrations
APPROVED

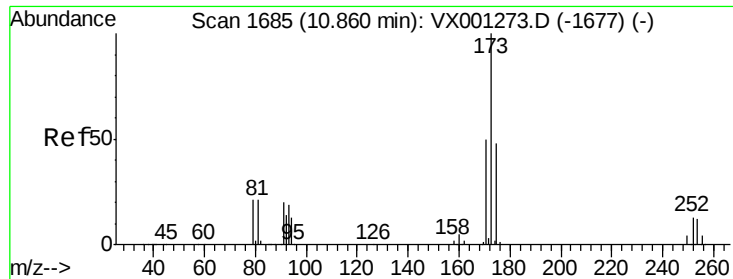
MMDadoda
5/2/2018 4:20:51 PM



#70
Styrene
Concen: 4.61 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	40.1	60.1
103	57.0	44.5	66.7





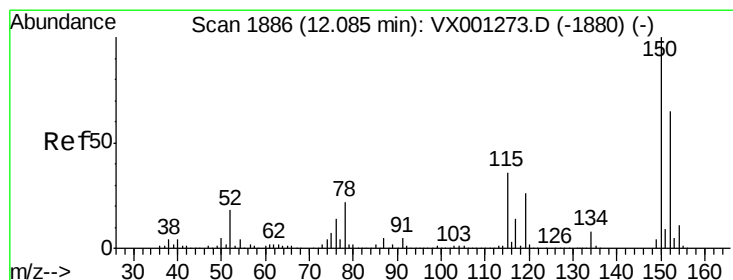
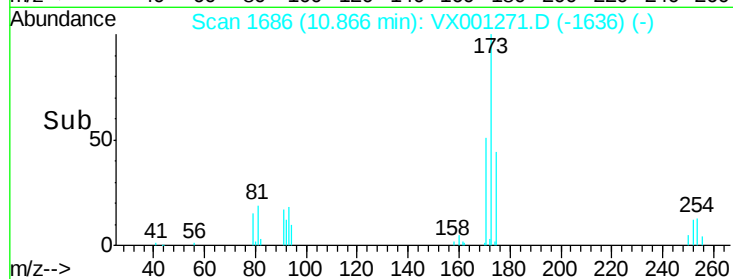
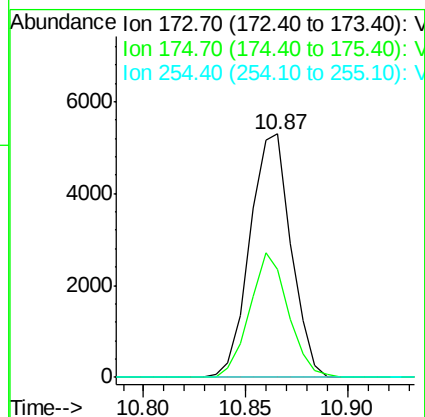
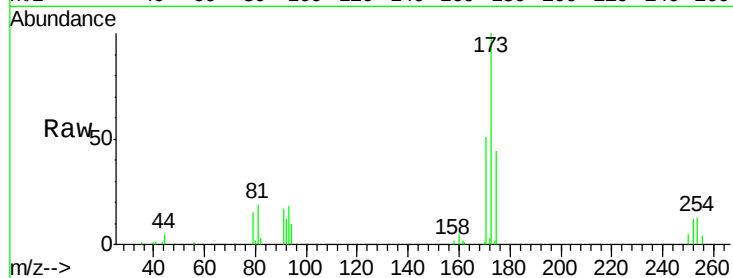
#71
Bromoform
Concen: 3.96 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.0	0.2	0.2#

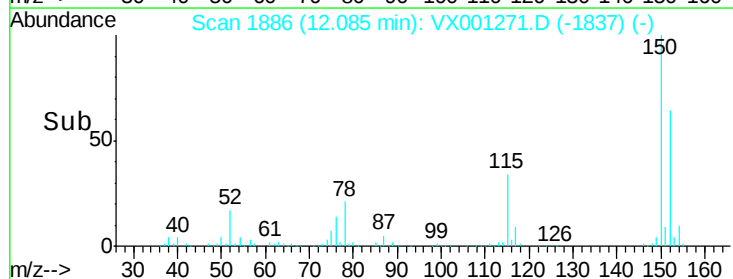
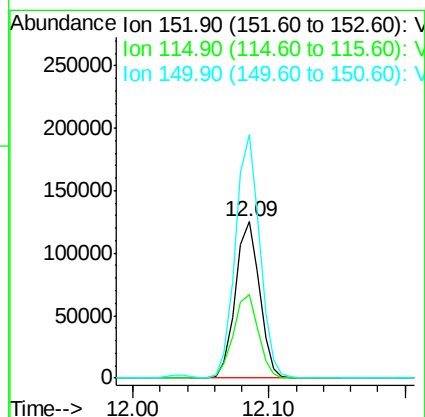
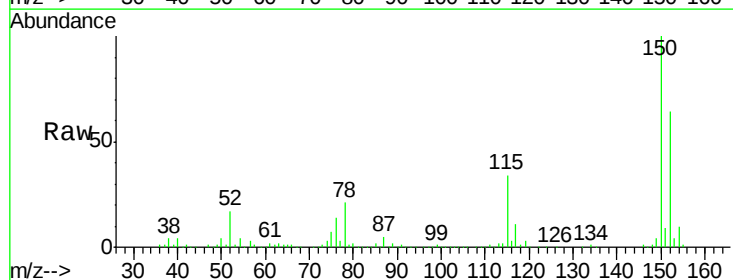
Manual Integrations
APPROVED

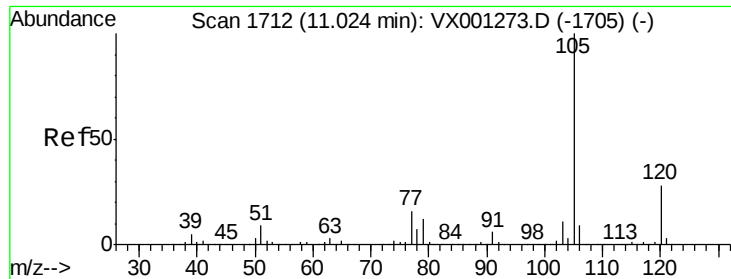
MMDadoda
5/2/2018 4:20:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.6	115.7
150	156.5	0.0	349.2





#73

Isopropylbenzene

Concen: 5.07 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 51610

Ion Ratio Lower Upper

105 100

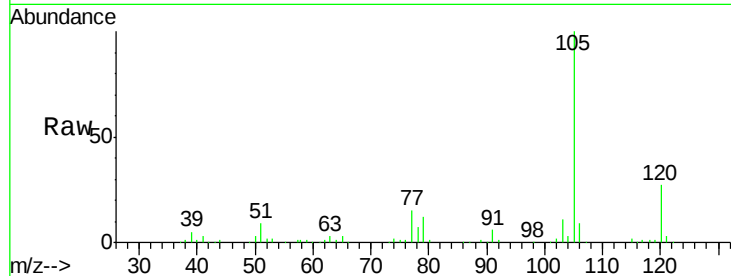
120 27.4 13.7 41.1

Manual Integrations

APPROVED

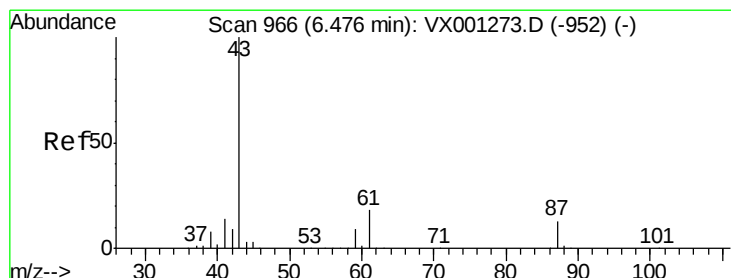
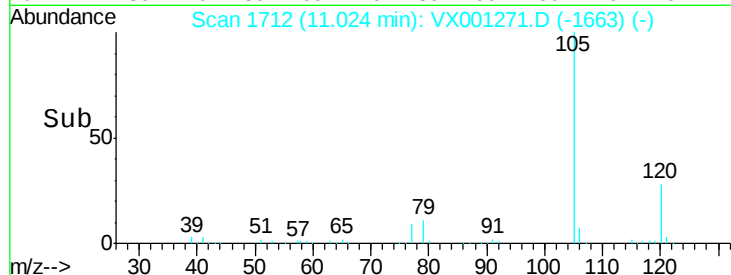
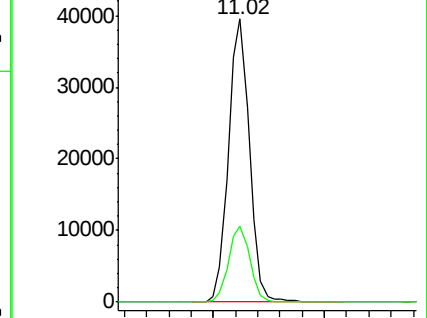
MMDadoda

5/2/2018 4:20:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.55 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion: 43 Resp: 22756

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

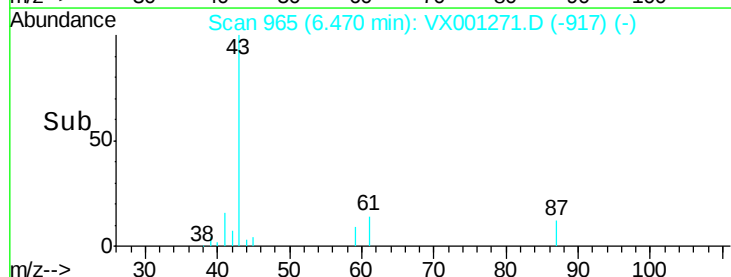
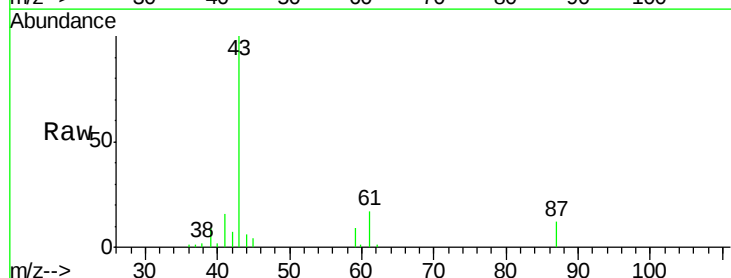
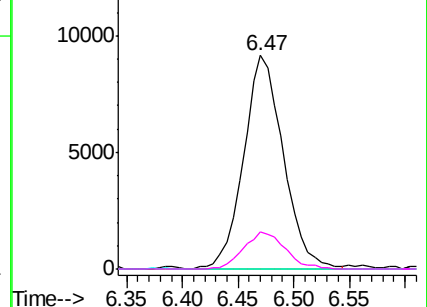
61 18.2 15.0 22.4

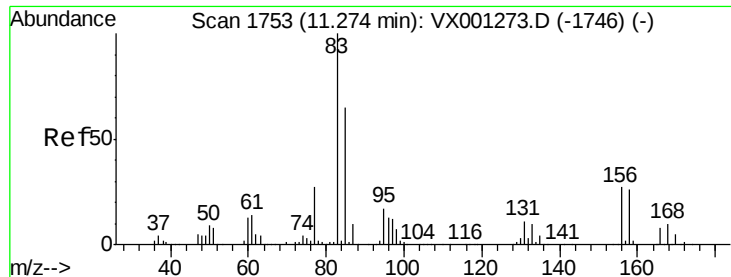
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 4.57 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

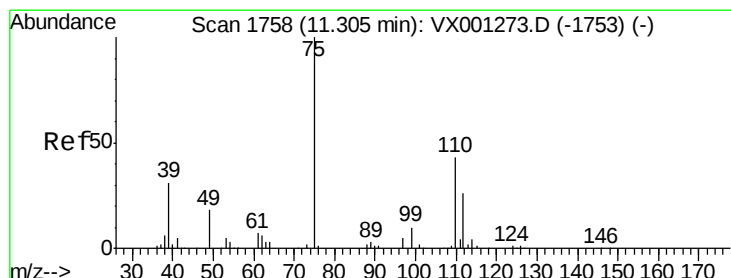
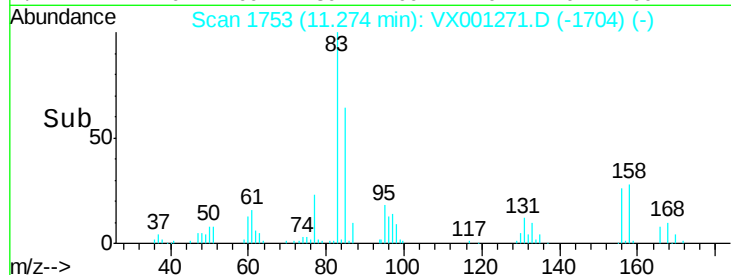
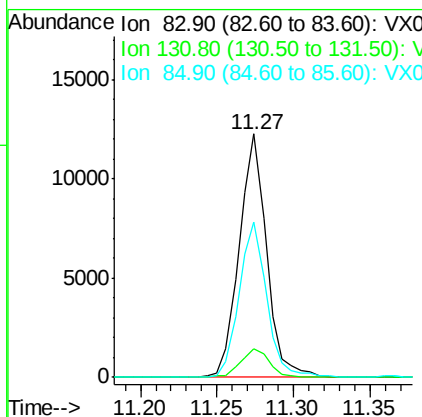
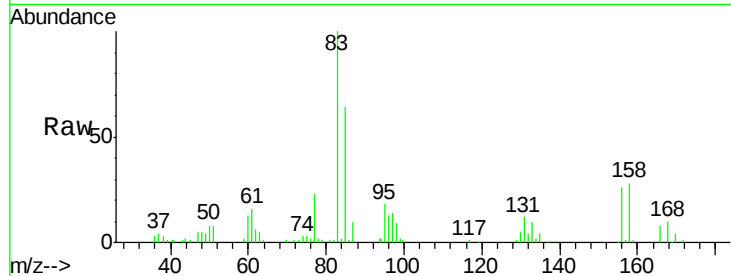
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15175
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.8	17.3
85	64.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.72 ug/l m

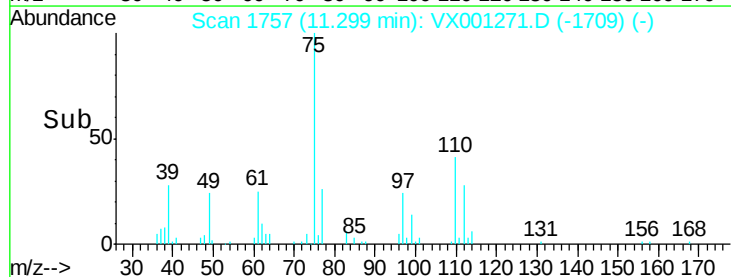
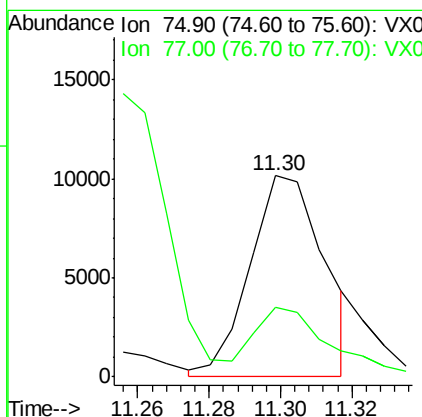
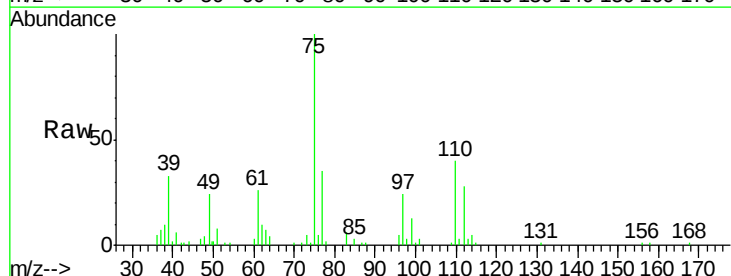
RT: 11.30 min Scan# 1757

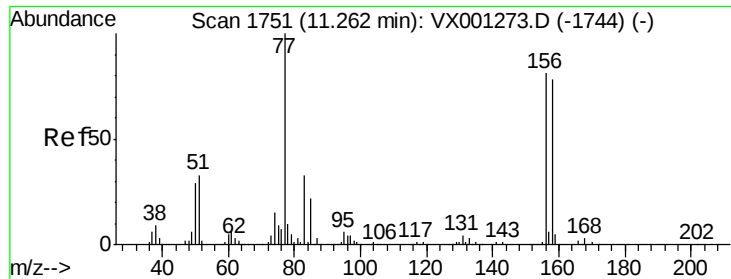
Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	75	Resp:	14676
Ion	Ratio	Lower	Upper
75	100		
77	35.1	18.9	56.5





#77

Bromobenzene

Concen: 4.96 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

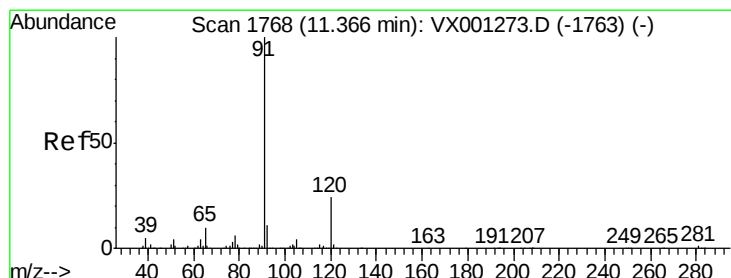
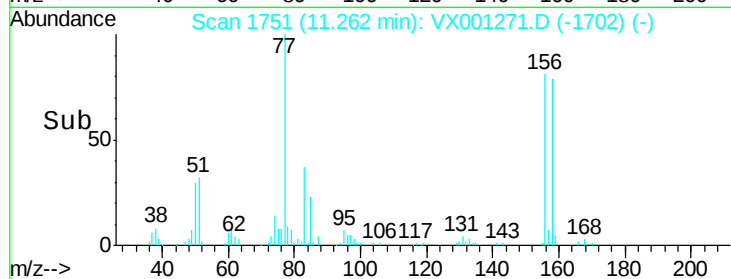
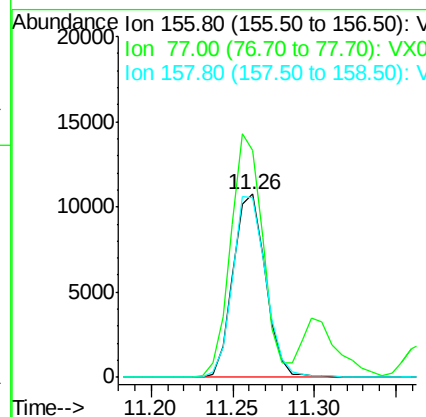
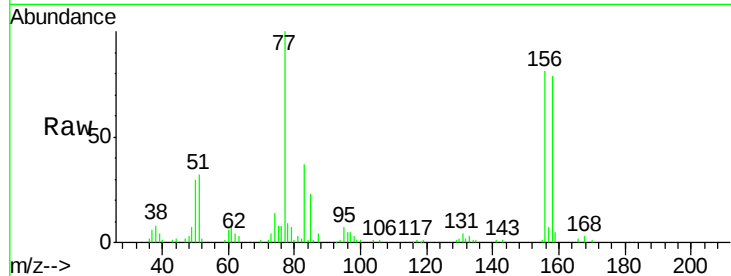
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	14910
Ion Ratio	Lower	Upper	
156	100		
77	132.0	65.3	195.8
158	101.2	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 5.09 ug/l

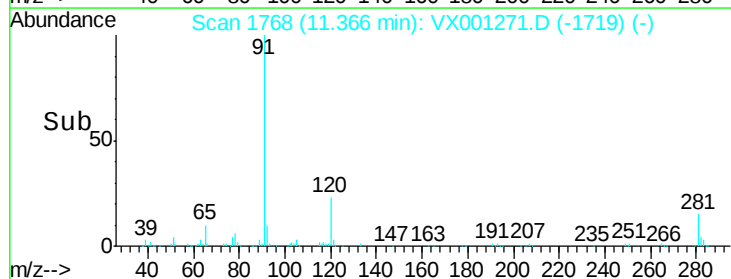
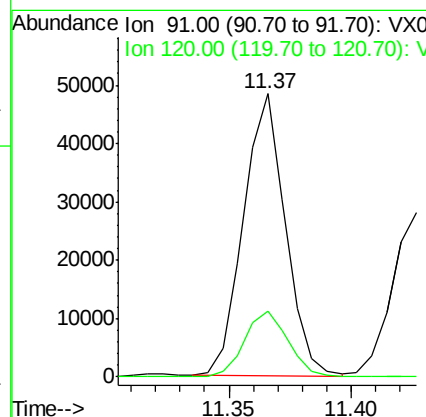
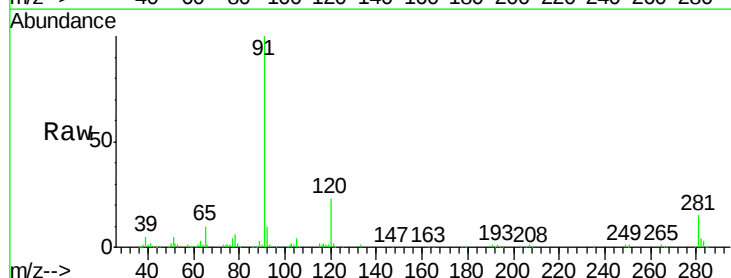
RT: 11.37 min Scan# 1768

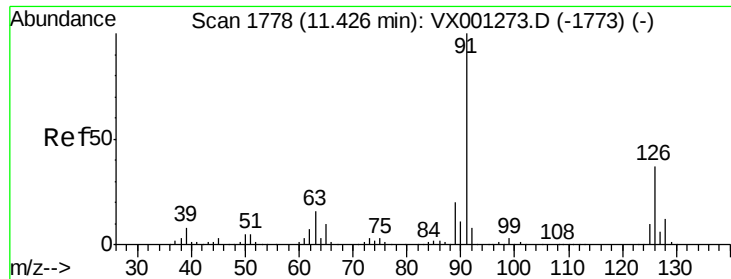
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	91	Resp:	57711
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.3	36.8





#79

2-Chlorotoluene

Concen: 5.01 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 35107

Ion Ratio Lower Upper

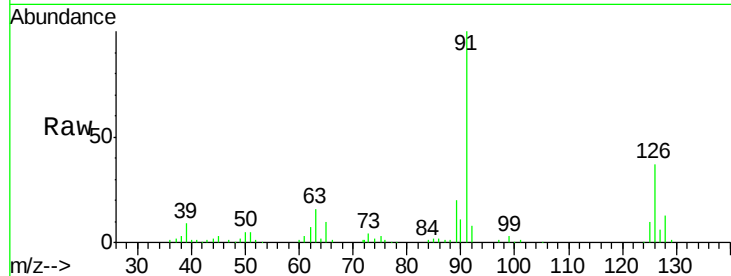
91 100

126 37.1 18.4 55.4

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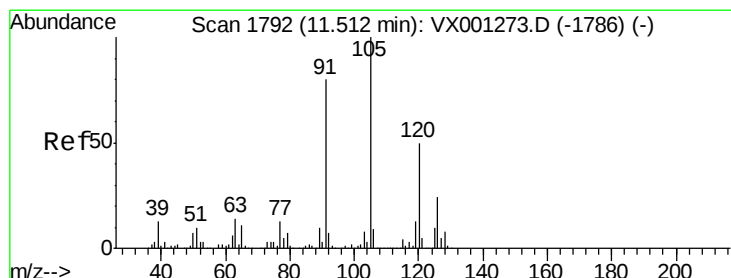
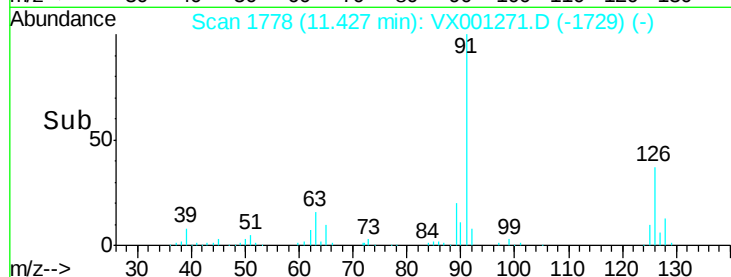
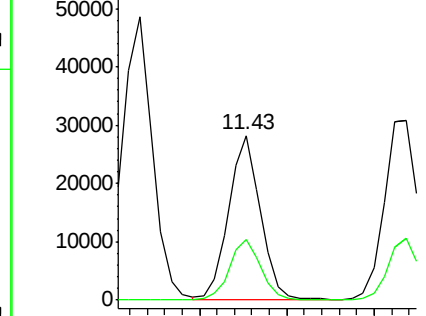
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Abundance Ion 91.00 (90.70 to 91.70): VX001271.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001271.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.96 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001271.D

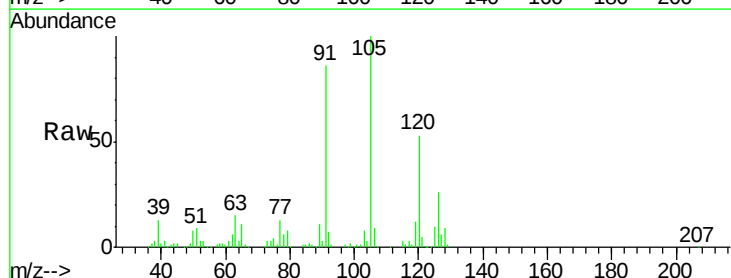
Acq: 01 May 2018 11:28

Tgt Ion: 105 Resp: 42786

Ion Ratio Lower Upper

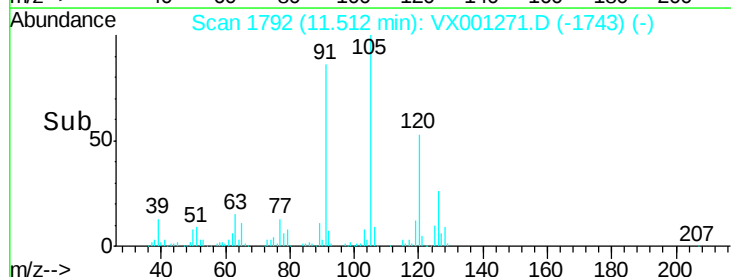
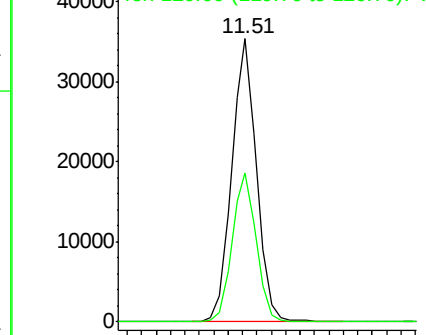
105 100

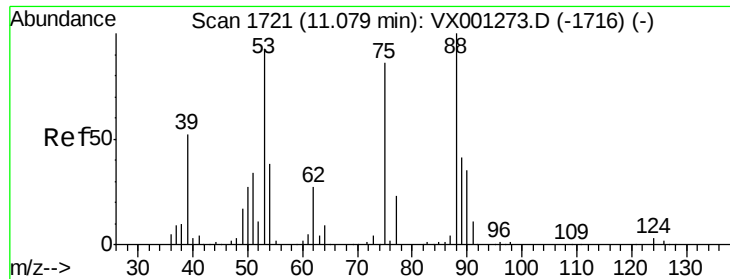
120 51.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001271.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX001271.D (-1743) (-)





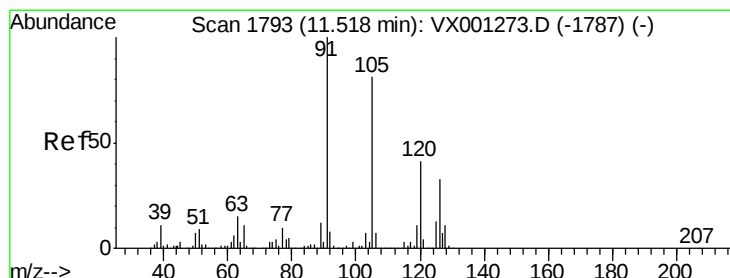
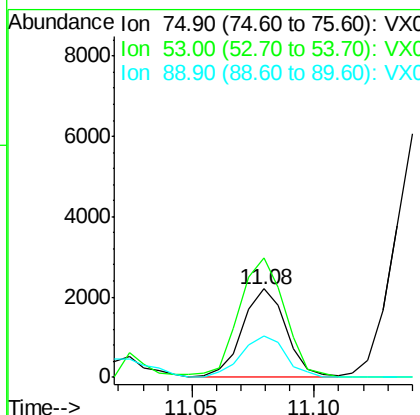
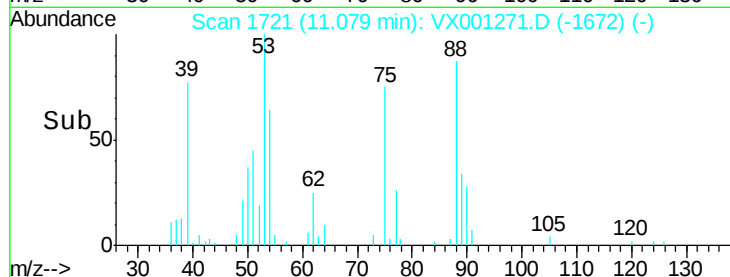
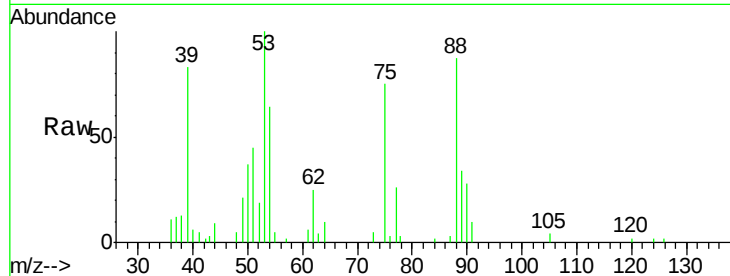
#81
trans-1,4-Dichloro-2-butene
Concen: 3.54 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	138.8	87.1	130.7#
89	46.5	38.9	58.3

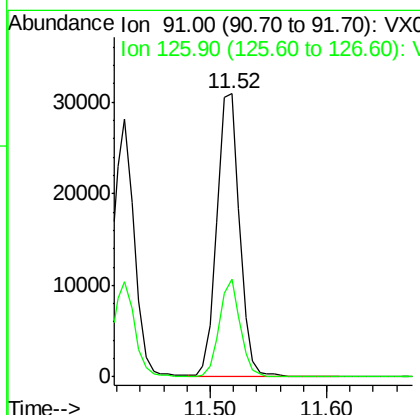
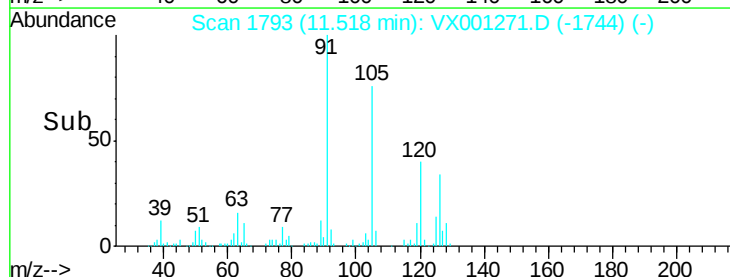
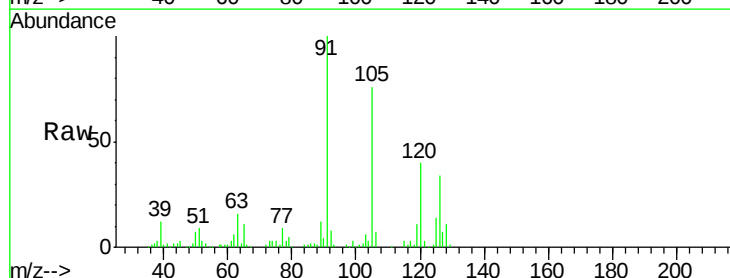
Manual Integrations
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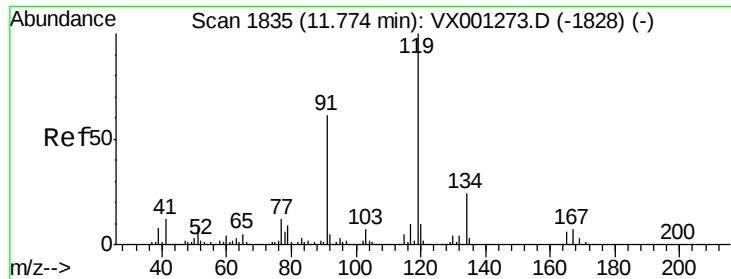
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#82
4-Chlorotoluene
Concen: 4.98 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.1	48.2





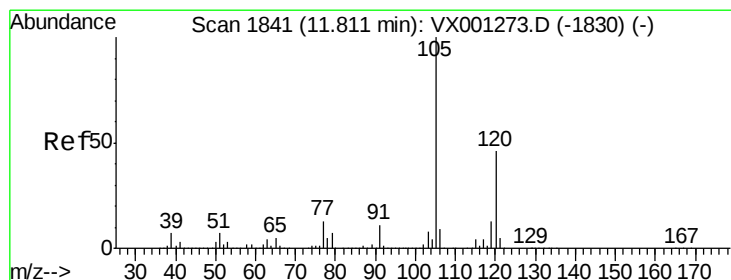
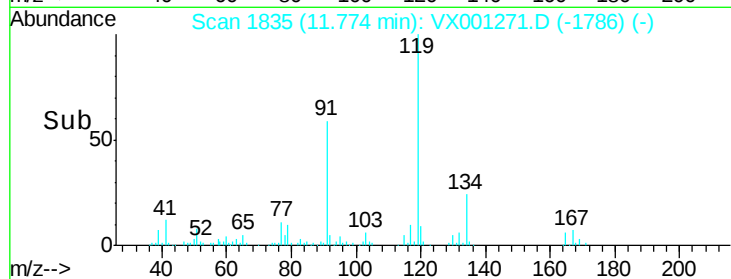
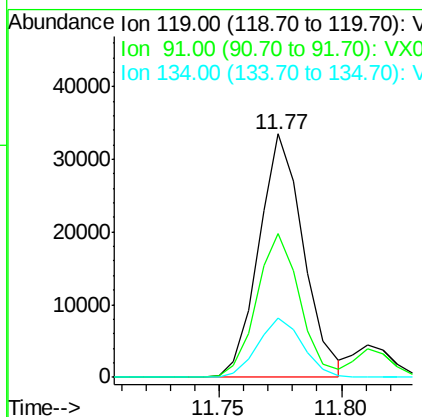
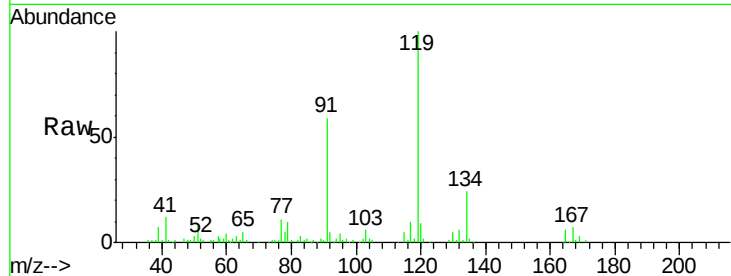
#83
tert-Butylbenzene
Concen: 4.97 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.1	84.3
134	24.5	11.8	35.3

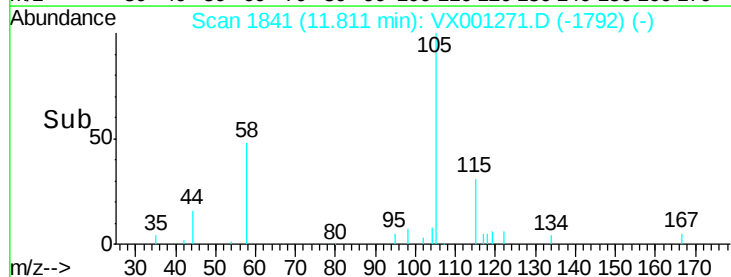
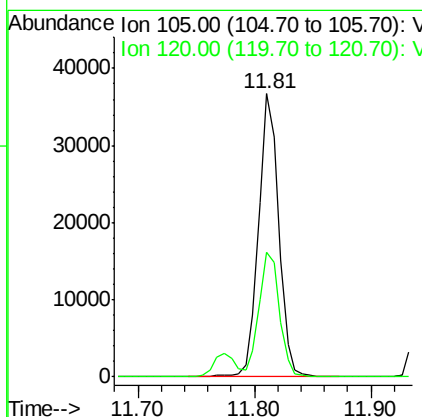
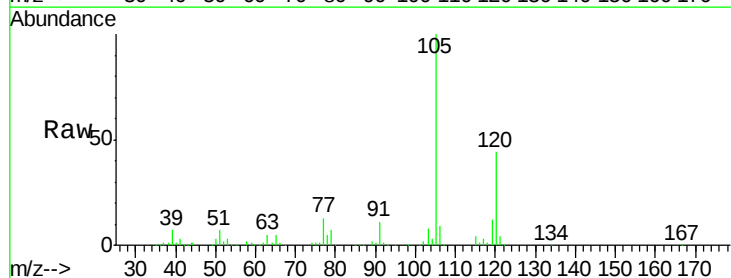
Manual Integrations
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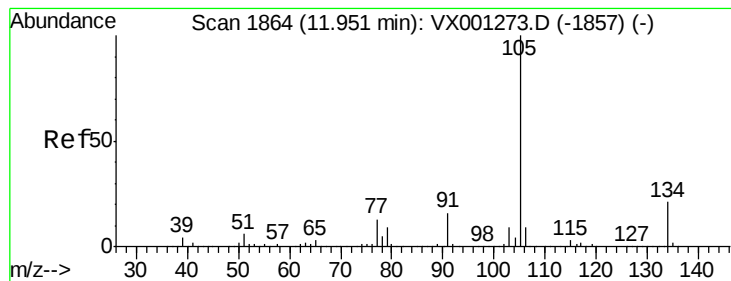
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.07 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 5.08 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 51277

Ion Ratio Lower Upper

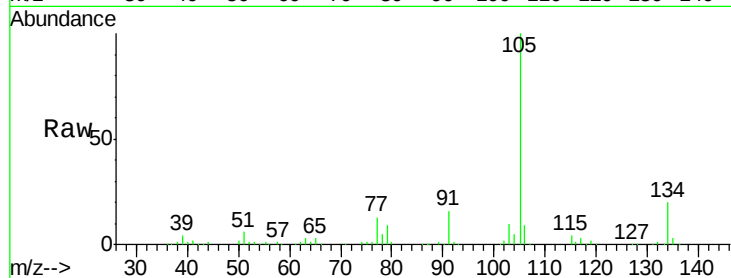
105 100

134 21.5 10.7 31.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

40000

30000

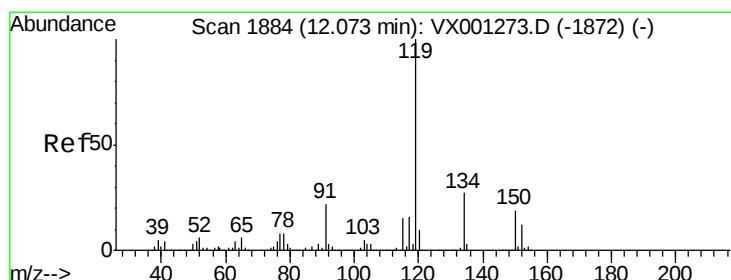
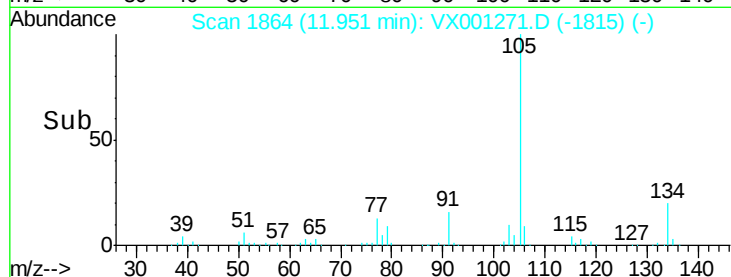
20000

10000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 4.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

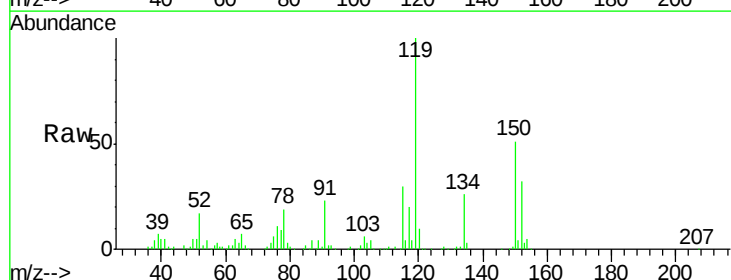
Tgt Ion:119 Resp: 45996

Ion Ratio Lower Upper

119 100

134 28.0 13.6 40.7

91 24.3 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

12.07

40000

30000

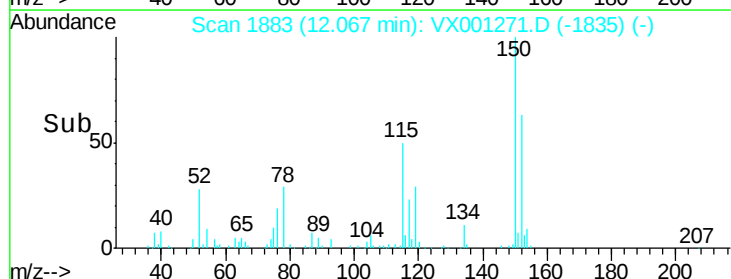
20000

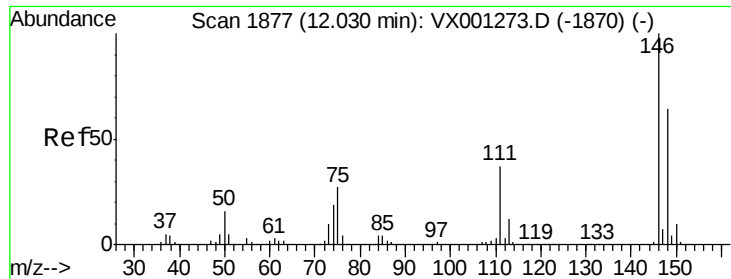
10000

0

Time-->

12.00 12.05 12.10





#87

1,3-Dichlorobenzene

Concen: 5.06 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

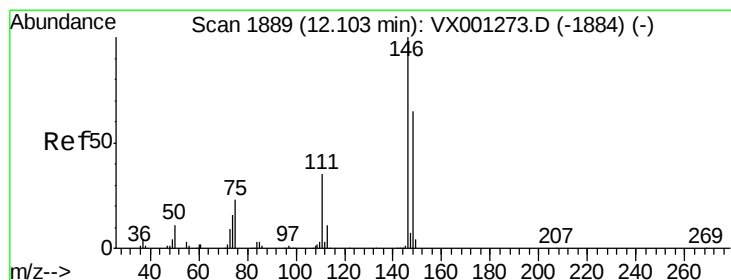
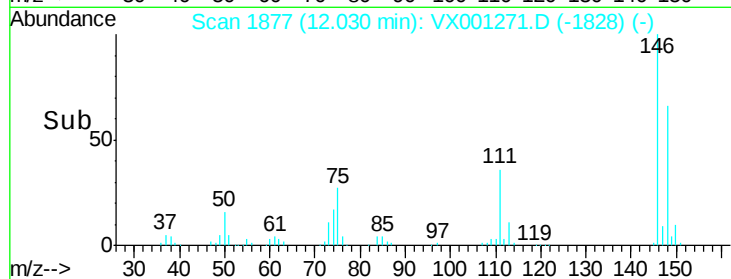
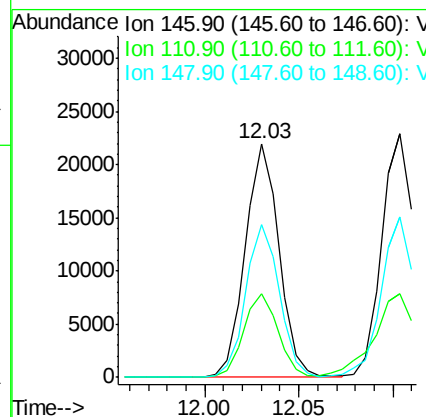
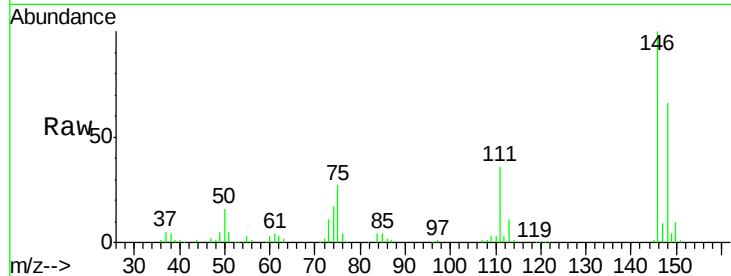
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	27307
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.4	55.2
148	65.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 4.97 ug/l

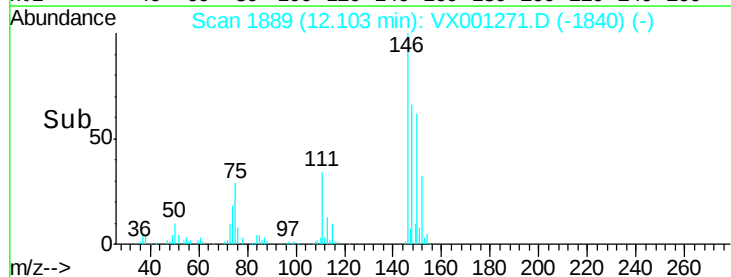
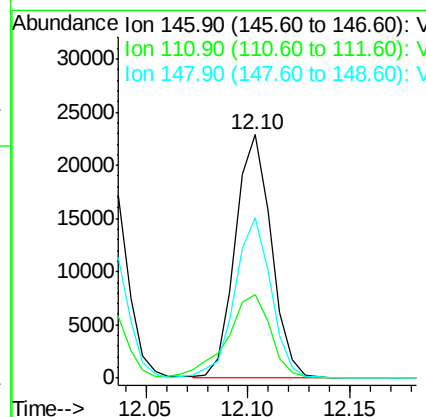
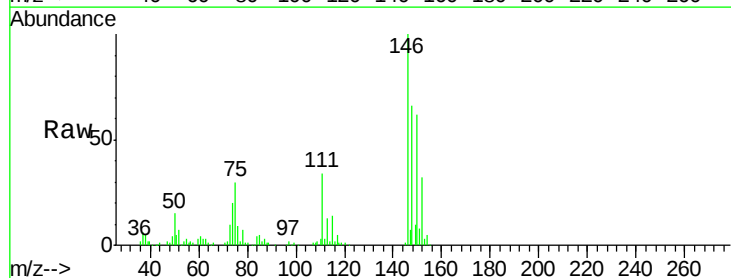
RT: 12.10 min Scan# 1889

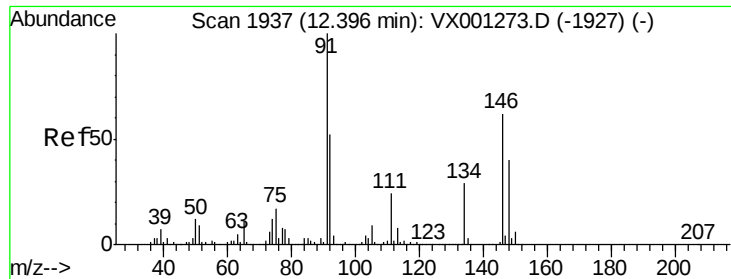
Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	146	Resp:	28021
Ion Ratio	Lower	Upper	
146	100		
111	41.6	17.9	53.7
148	66.6	32.3	96.8





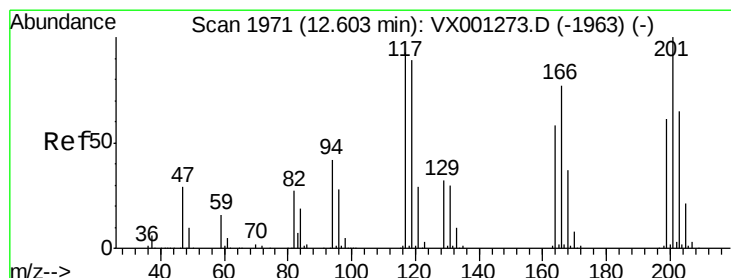
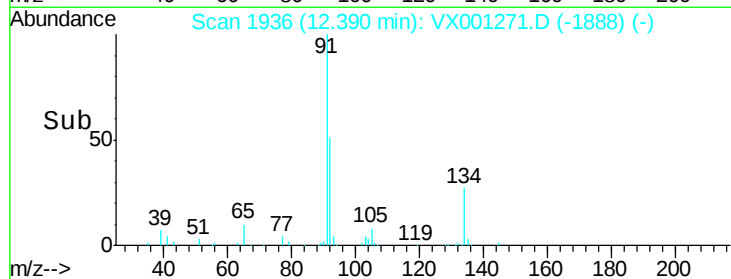
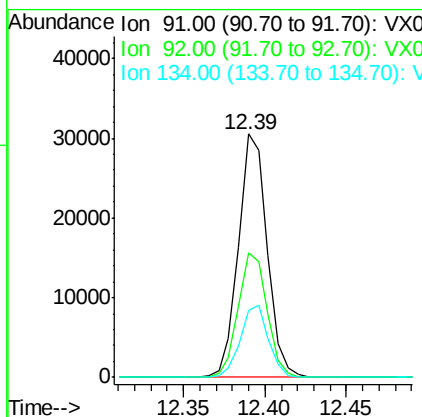
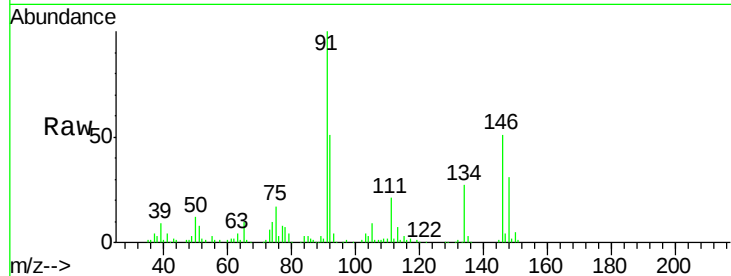
#89
n-Butylbenzene
Concen: 4.61 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	29.0	14.0	42.0

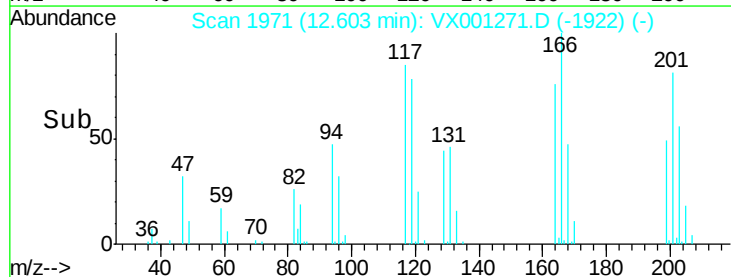
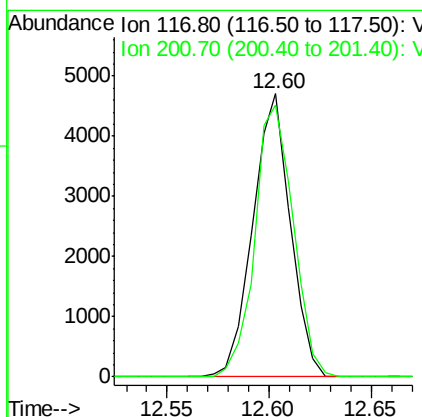
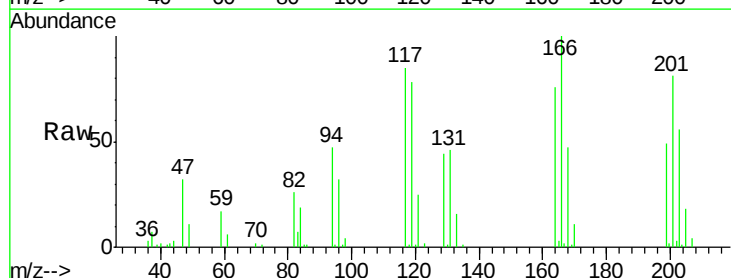
Manual Integrations
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#90
Hexachloroethane
Concen: 4.52 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001271.D
Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	51.6	154.8





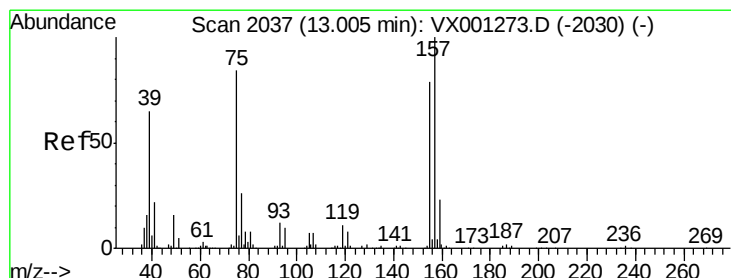
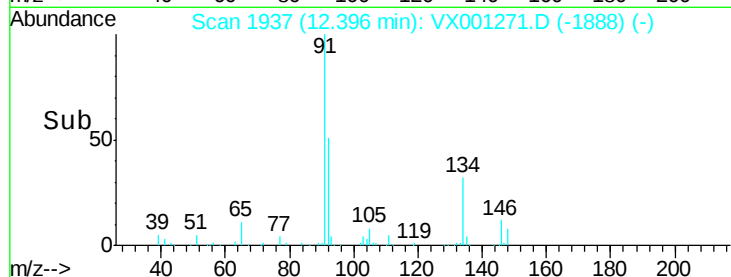
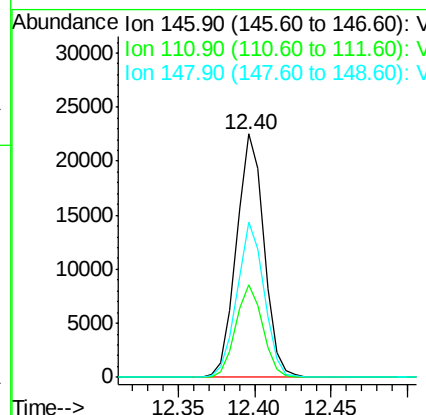
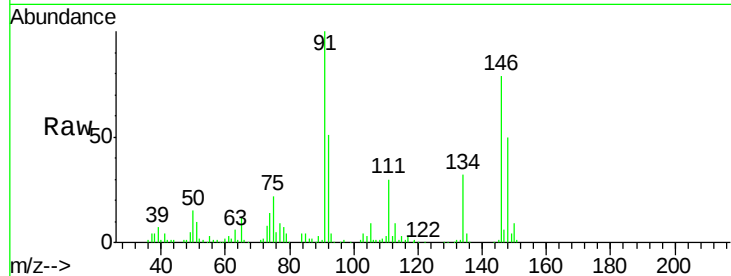
#91
 1,2-Dichlorobenzene
 Concen: 5.15 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	62.8	32.4	97.0

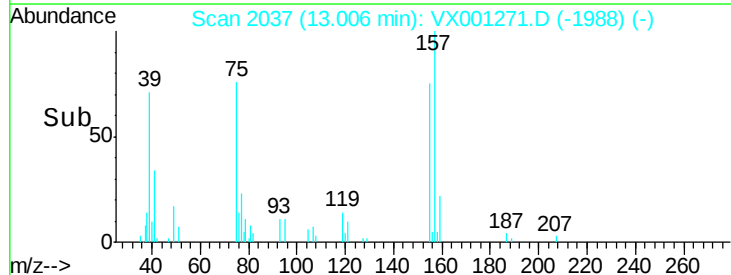
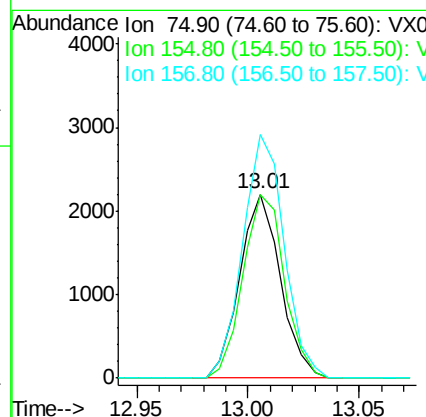
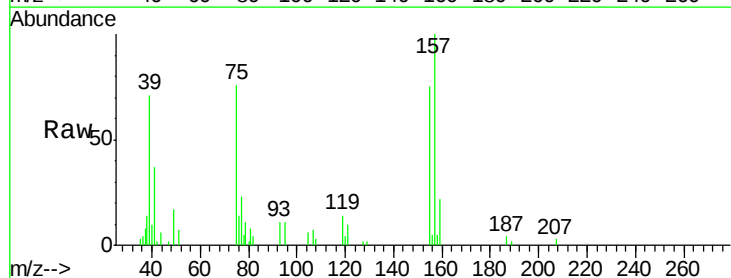
Manual Integrations
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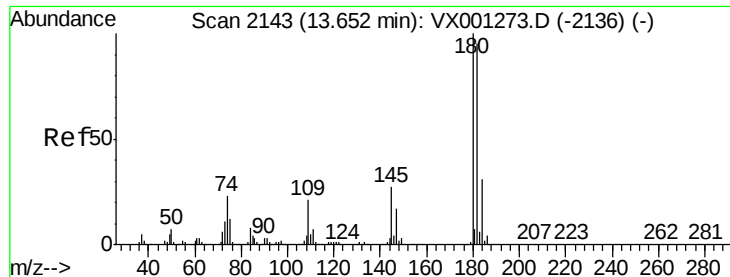
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.86 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	49.9	149.7
157	135.0	63.7	191.1





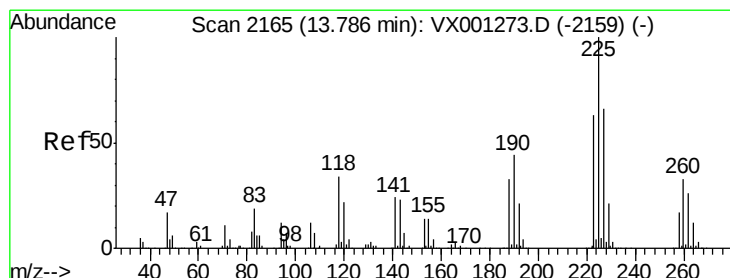
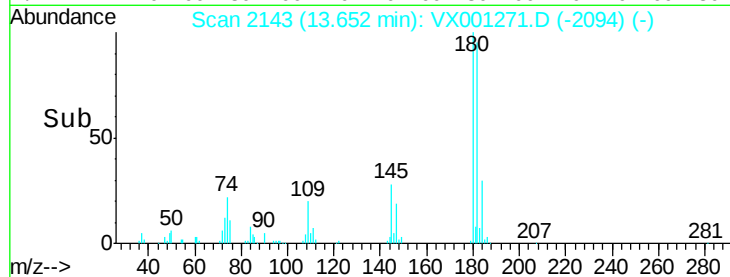
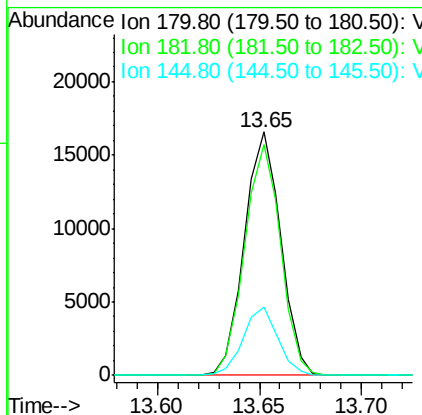
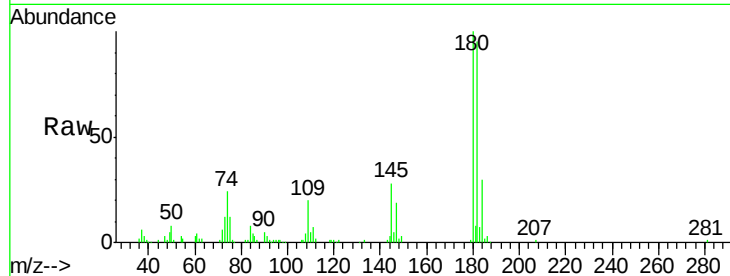
#93
 1,2,4-Trichlorobenzene
 Concen: 4.79 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20558		
182	93.7	47.3	141.9	
145	27.1	13.5	40.4	

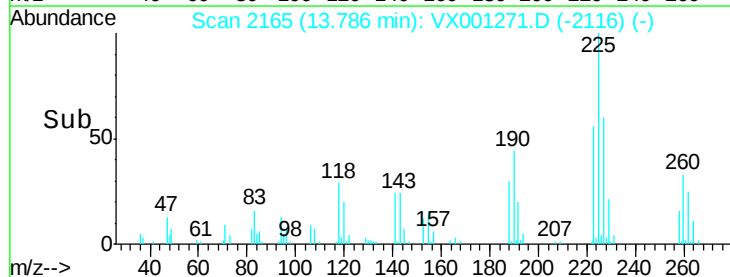
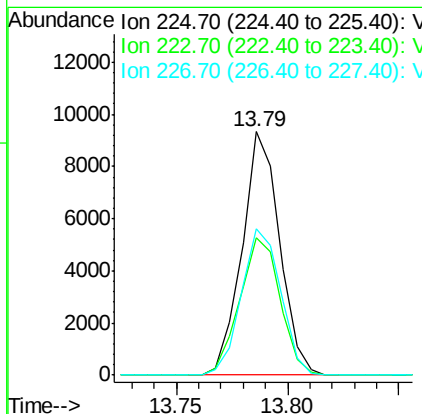
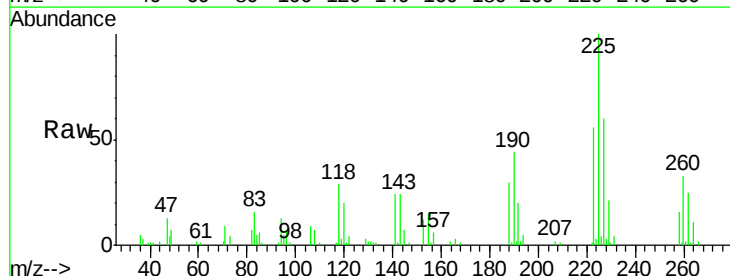
Manual Integrations
 APPROVED

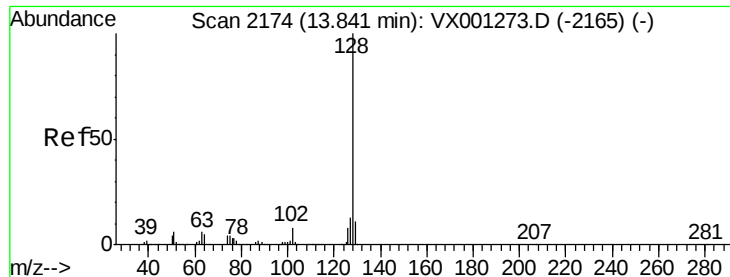
MMDadoda
 5/2/2018 4:20:51 PM



#94
 Hexachlorobutadiene
 Concen: 5.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001271.D
 Acq: 01 May 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11010		
223	60.6	31.4	94.0	
227	62.8	32.5	97.5	





#95

Naphthalene

Concen: 4.60 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Instrument :

MSVOA_X

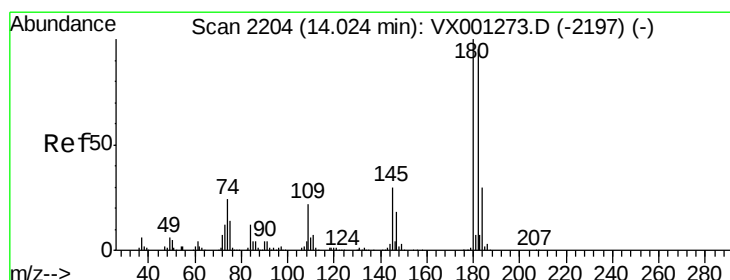
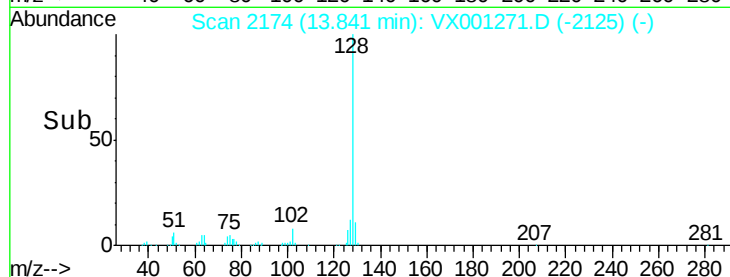
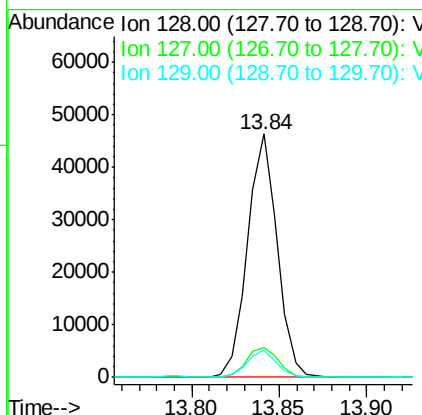
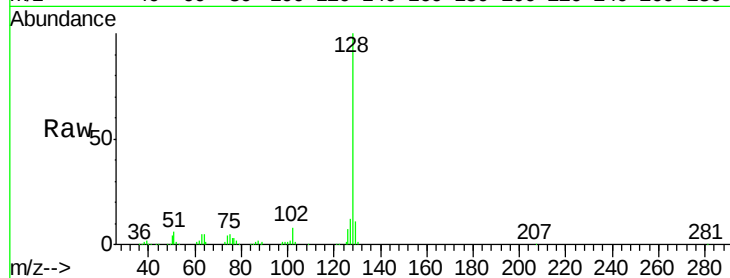
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	54391
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.99 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001271.D

Acq: 01 May 2018 11:28

Tgt Ion:	180	Resp:	21283
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.1	144.3
145	28.6	14.4	43.4

