

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073018\
 Data File : VX003725.D
 Acq On : 30 Jul 2018 15:59
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00G/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 1:39:48 PM

Quant Time: Jul 31 11:13:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:23:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	104327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	146363	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	127123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	68924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	5074	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
35) Dibromofluoromethane	5.50	113	4239	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	8.71	98	18971	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
62) 4-Bromofluorobenzene	11.14	95	7018	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	4973	5.65	ug/l	91
3) Chloromethane	1.32	50	5989	5.41	ug/l	98
4) Vinyl Chloride	1.40	62	6575	5.52	ug/l #	88
5) Bromomethane	1.64	94	4381	6.11	ug/l	89
6) Chloroethane	1.71	64	4269m	5.09	ug/l	
7) Trichlorofluoromethane	1.92	101	8939	8.29	ug/l	92
8) Diethyl Ether	2.19	74	2969	5.03	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5564	5.62	ug/l	95
10) Methyl Iodide	2.51	142	5220	4.58	ug/l	99
11) Tert butyl alcohol	3.07	59	4453	26.06	ug/l	99
12) 1,1-Dichloroethene	2.37	96	5174	5.13	ug/l	93
13) Acrolein	2.29	56	1852	33.13	ug/l	97
14) Allyl chloride	2.72	41	8283	5.01	ug/l	97
15) Acrylonitrile	3.15	53	10744	24.73	ug/l	97
16) Acetone	2.45	43	10360	25.71	ug/l	96
17) Carbon Disulfide	2.57	76	18461	6.08	ug/l	98
18) Methyl Acetate	2.78	43	5939	5.24	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	11072	4.36	ug/l	92
20) Methylene Chloride	2.86	84	8888	7.19	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	5733	5.61	ug/l	98
22) Diisopropyl ether	3.87	45	14208	4.76	ug/l	95
23) Vinyl Acetate	3.82	43	45191	21.00	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9103	5.23	ug/l	96
25) 2-Butanone	4.70	43	13664	23.26	ug/l	97
26) 2,2-Dichloropropane	4.59	77	7133	5.20	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	5845	5.31	ug/l	89
28) Bromochloromethane	5.02	49	3858	4.94	ug/l #	94
29) Tetrahydrofuran	5.15	42	8635	23.06	ug/l	97
30) Chloroform	5.21	83	8624	5.03	ug/l	89
31) Cyclohexane	5.57	56	8764	5.21	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	7219	4.90	ug/l	98
36) 1,1-Dichloropropene	5.79	75	7672	5.60	ug/l	98
37) Ethyl Acetate	4.85	43	4823	4.58	ug/l	98
38) Carbon Tetrachloride	5.78	117	6778	5.35	ug/l	93

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 VSTDIC005

Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:23:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8985	5.34	ug/l	97
40) Benzene	6.15	78	19556	4.98	ug/l	98
41) Methacrylonitrile	5.05	41	2725	4.59	ug/l	95
42) 1,2-Dichloroethane	6.20	62	5477	4.62	ug/l	98
43) Isopropyl Acetate	6.46	43	7050	4.20	ug/l	98
44) Trichloroethene	7.21	130	6390	5.70	ug/l	94
45) 1,2-Dichloropropane	7.52	63	4540	4.70	ug/l	94
46) Dibromomethane	7.66	93	2668	4.79	ug/l	97
47) Bromodichloromethane	7.90	83	4922	4.44	ug/l	97
48) Methyl methacrylate	7.77	41	3436	4.08	ug/l	98
49) 1,4-Dioxane	7.76	88	1541	90.73	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	21125	20.49	ug/l	97
52) Toluene	8.79	92	12588	5.14	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	5492	4.33	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	6096	4.32	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	3754	4.45	ug/l	97
56) Ethyl methacrylate	9.18	69	4605	3.98	ug/l	99
57) 1,3-Dichloropropane	9.37	76	6447	4.55	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	11444	20.65	ug/l	98
59) 2-Hexanone	9.50	43	15912	20.26	ug/l	97
60) Dibromochloromethane	9.59	129	3487	4.11	ug/l	100
61) 1,2-Dibromoethane	9.68	107	3824	4.44	ug/l	97
64) Tetrachloroethene	9.34	164	5662	5.67	ug/l	98
65) Chlorobenzene	10.14	112	14095	5.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	4043	4.67	ug/l	97
67) Ethyl Benzene	10.26	91	23180	5.17	ug/l	100
68) m/p-Xylenes	10.36	106	17814	10.15	ug/l	97
69) o-Xylene	10.70	106	7852	4.82	ug/l	95
70) Styrene	10.71	104	12527	4.57	ug/l	98
71) Bromoform	10.86	173	2380	4.00	ug/l #	92
73) Isopropylbenzene	11.02	105	22946	5.32	ug/l	99
74) N-amyl acetate	6.46	43	7050	5.14	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	5252	4.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4442m	4.68	ug/l	
77) Bromobenzene	11.26	156	5830	5.18	ug/l	98
78) n-propylbenzene	11.36	91	28564	5.46	ug/l	98
79) 2-Chlorotoluene	11.42	91	16132	5.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	19189	4.56	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.08	75	1306	4.07	ug/l	93
82) 4-Chlorotoluene	11.51	91	19663	5.46	ug/l	100
83) tert-Butylbenzene	11.77	119	18686	5.13	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	19718	5.20	ug/l	98
85) sec-Butylbenzene	11.95	105	24935	5.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	22323	5.97	ug/l #	71
87) 1,3-Dichlorobenzene	12.03	146	12521	5.50	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	13069	5.63	ug/l	95
89) n-Butylbenzene	12.39	91	21311	5.29	ug/l	99
90) Hexachloroethane	12.60	117	3168	5.04	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	10997	5.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	916	4.12	ug/l	94

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

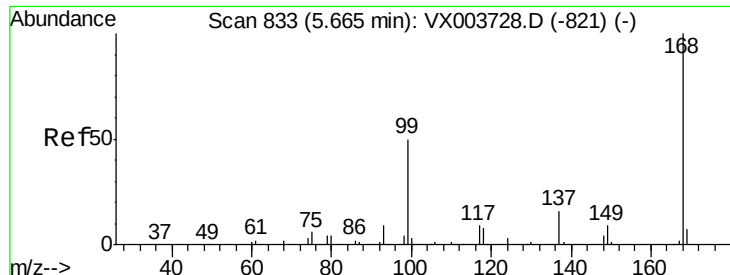
Manual Integrations
APPROVED

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7/31/2018 1:39:48 PM

Quant Time: Jul 31 11:13:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 05:23:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	8458	5.03	ug/l	98
94) Hexachlorobutadiene	13.79	225	5740	5.34	ug/l	98
95) Naphthalene	13.83	128	15089	4.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	7139	4.68	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 104327

Ion Ratio Lower Upper

168 100

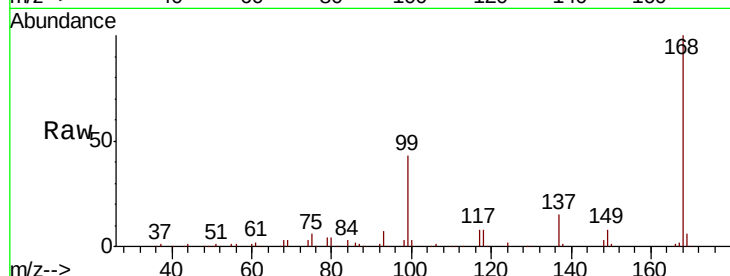
99 43.3 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

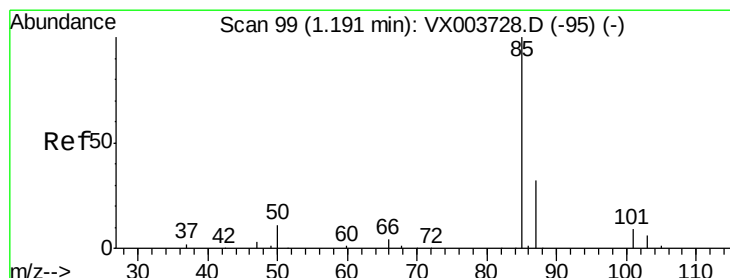
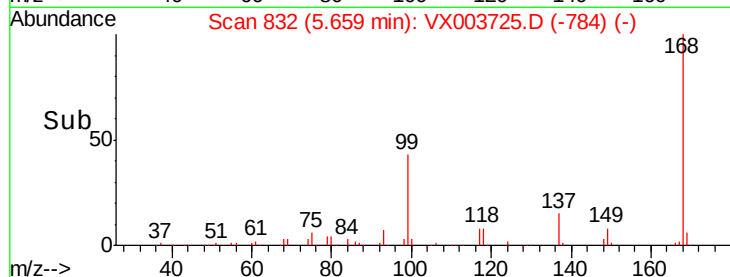
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 5.65 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003725.D

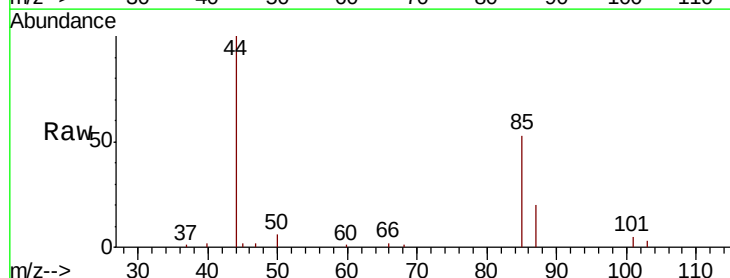
Acq: 30 Jul 2018 15:59

Tgt Ion: 85 Resp: 4973

Ion Ratio Lower Upper

85 100

87 36.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

4000

3000

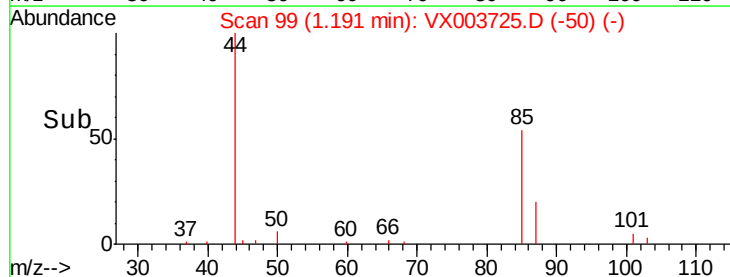
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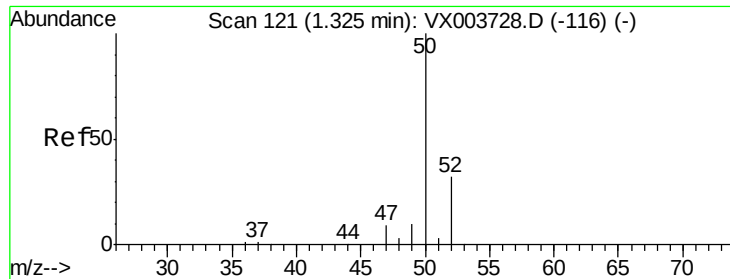
1000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 5.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 5989

Ion Ratio Lower Upper

50 100

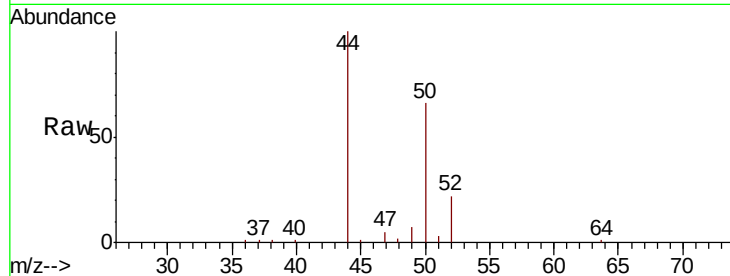
52 33.8 25.9 38.9

Manual Integrations

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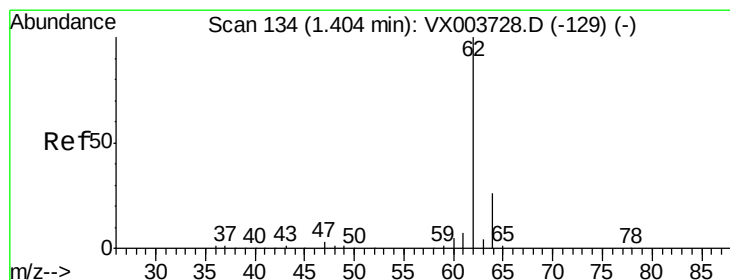
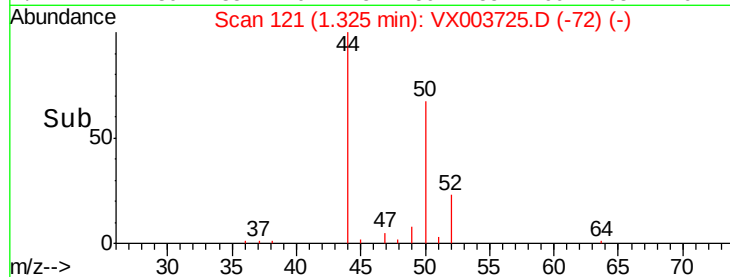
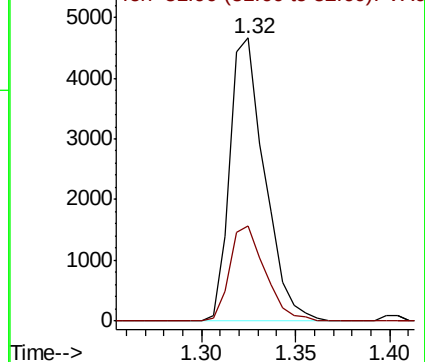
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 5.52 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003725.D

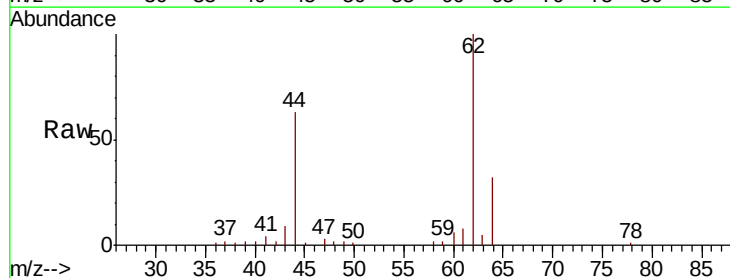
Acq: 30 Jul 2018 15:59

Tgt Ion: 62 Resp: 6575

Ion Ratio Lower Upper

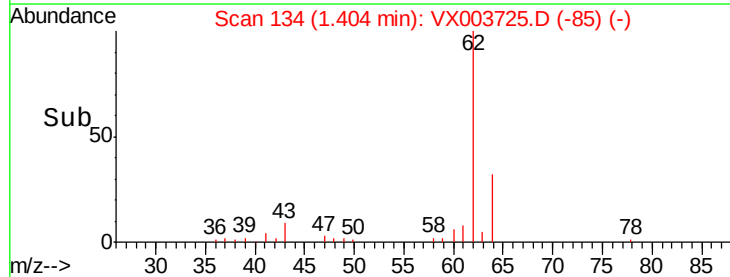
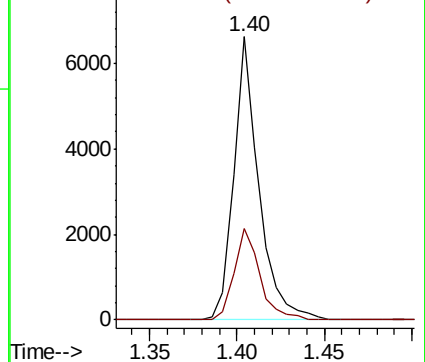
62 100

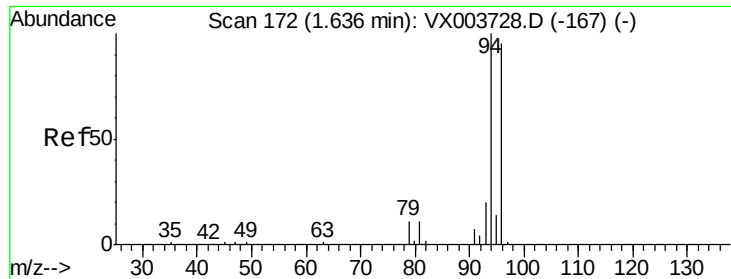
64 32.3 21.0 31.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 6.11 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 4381

Ion Ratio Lower Upper

94 100

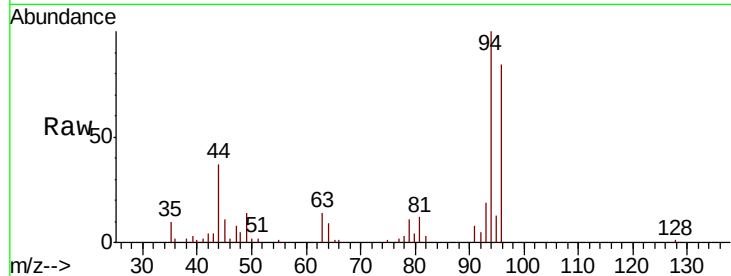
96 84.5 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

5000

4000

3000

2000

1000

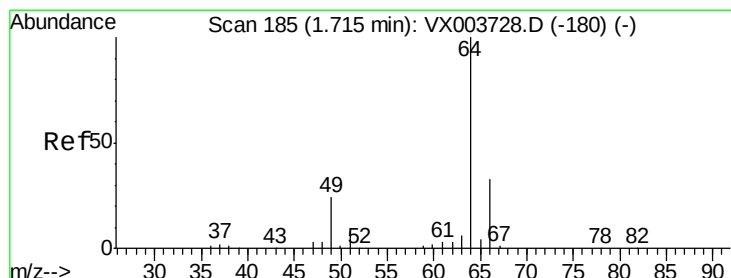
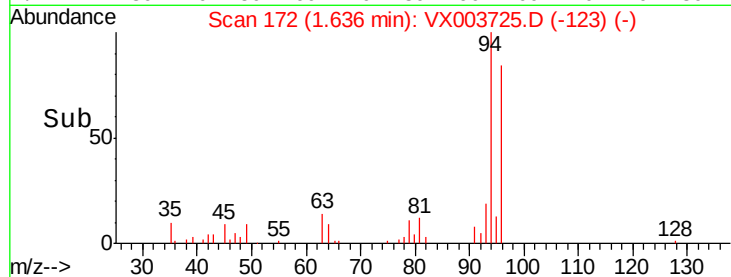
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Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 5.09 ug/l m

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003725.D

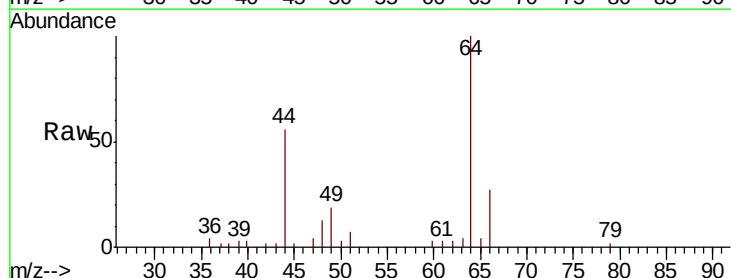
Acq: 30 Jul 2018 15:59

Tgt Ion: 64 Resp: 4269

Ion Ratio Lower Upper

64 100

66 26.8 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

4000

3000

2000

1000

0

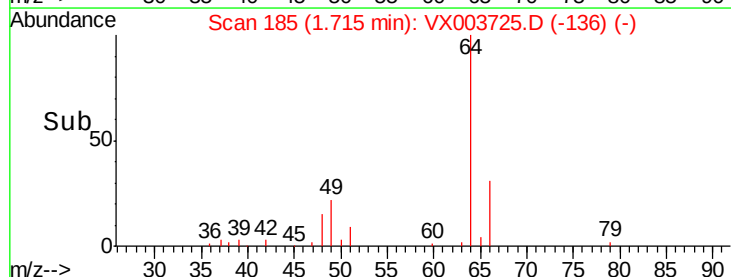
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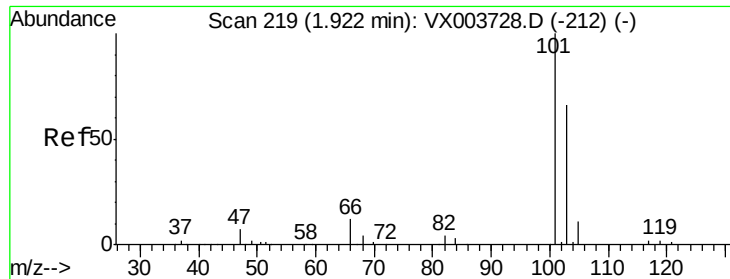
1.65

1.70

1.75

1.80





#7

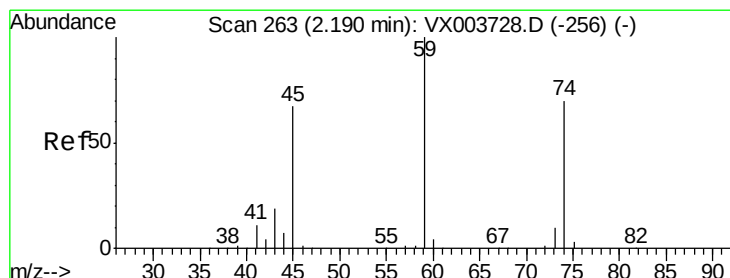
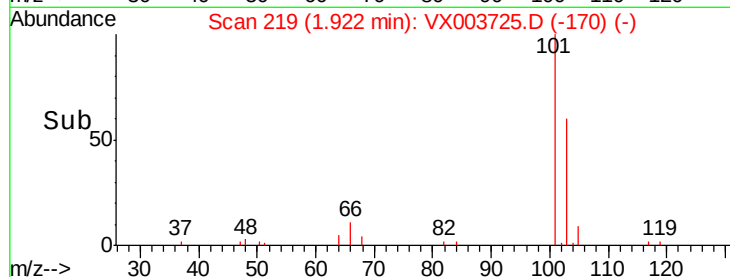
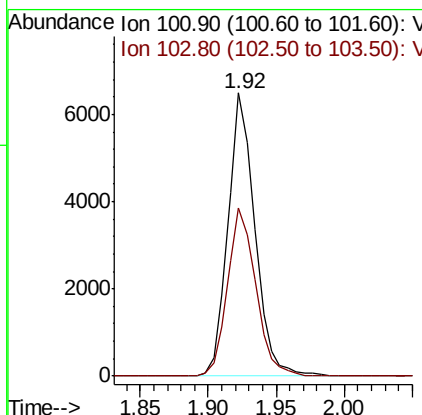
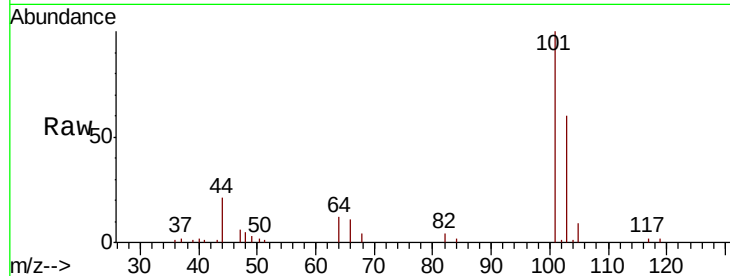
Trichlorofluoromethane
Concen: 8.29 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	52.6	78.8

Manual Integrations
APPROVED

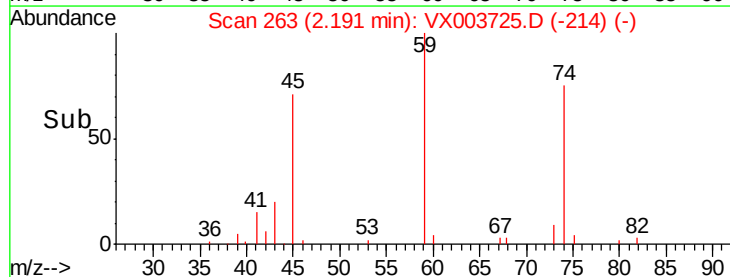
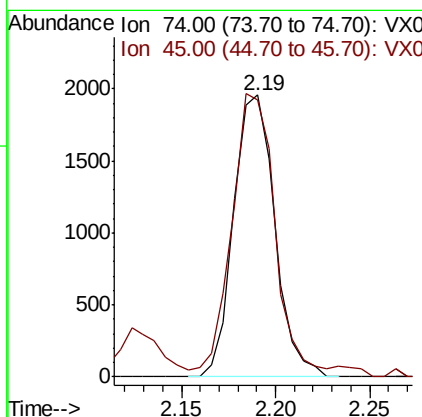
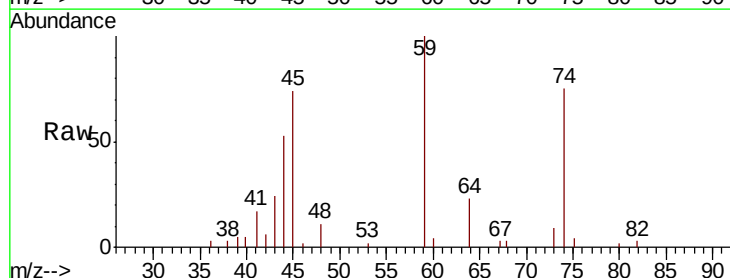
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7/31/2018 1:39:48 PM

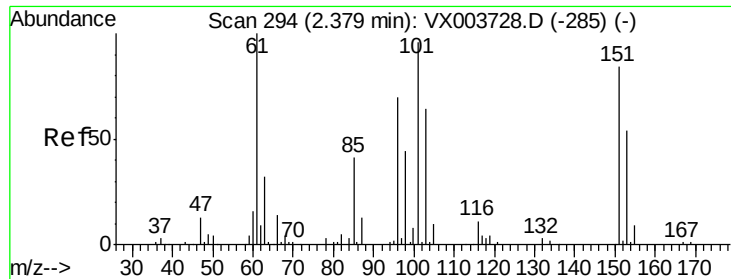


#8

Diethyl Ether
Concen: 5.03 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.62 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

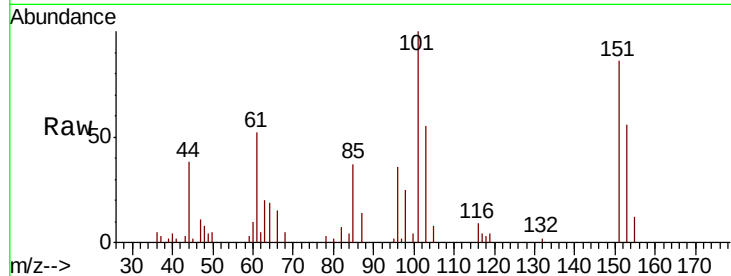
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5564
Ion Ratio	Lower	Upper	
101	100		
85	44.3	33.3	49.9
151	90.5	68.8	103.2

Manual Integrations
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MMDadoda
7/31/2018 1:39:48 PM

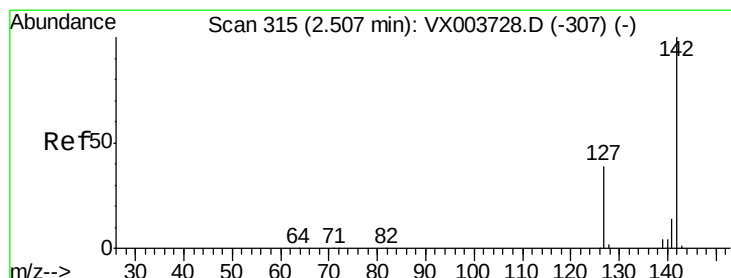
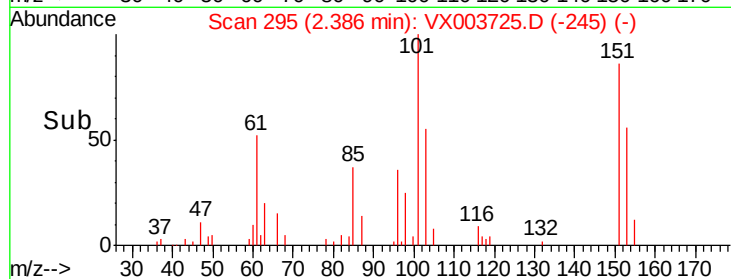
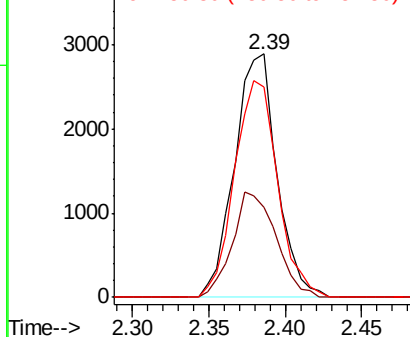


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.58 ug/l

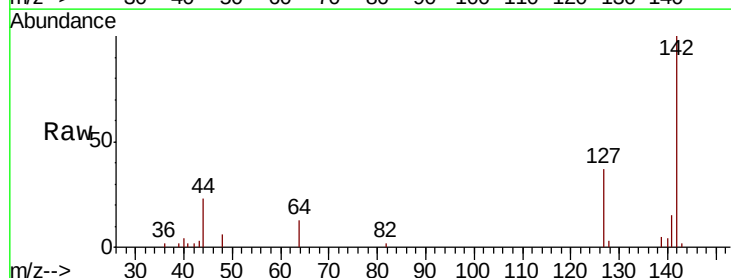
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	142	Resp:	5220
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.0	48.0
141	14.9	11.3	16.9

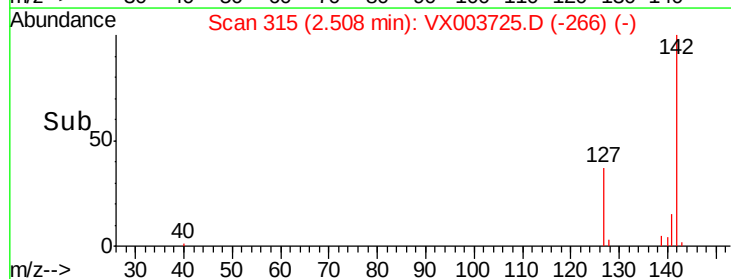
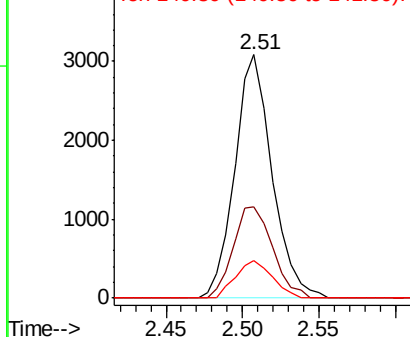


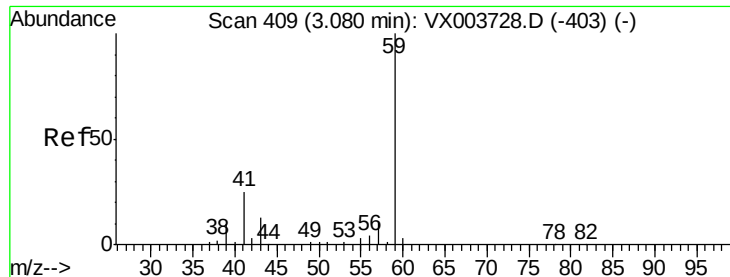
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

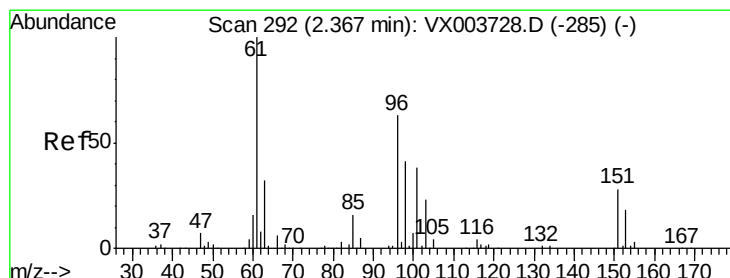
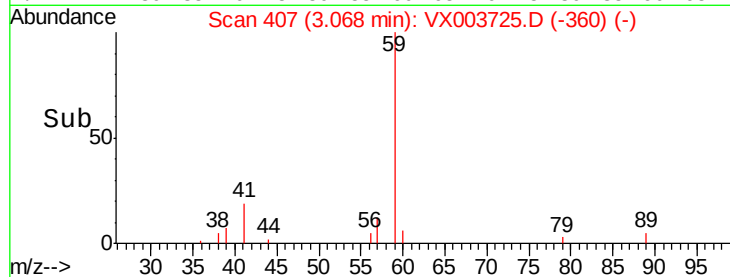
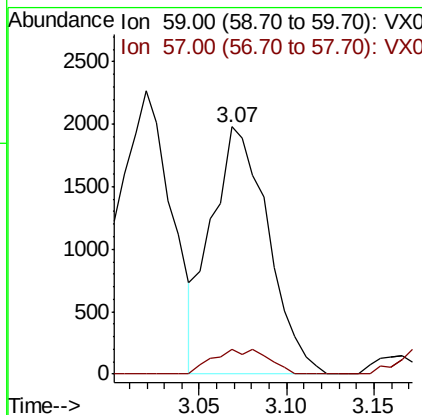
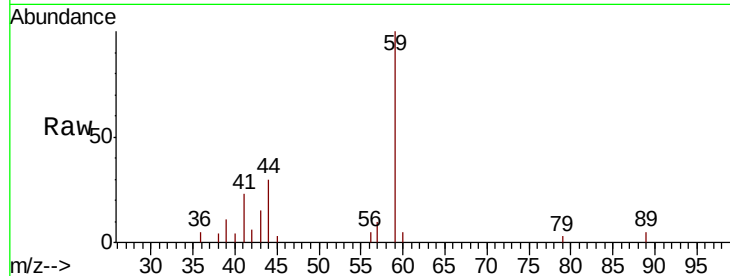
Tert butyl alcohol
 Concen: 26.06 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	59	57	Ratio	100	9.8	Resp:	4453	Lower	Upper
59	100								
57		9.8						8.1	12.1

Manual Integrations
 APPROVED

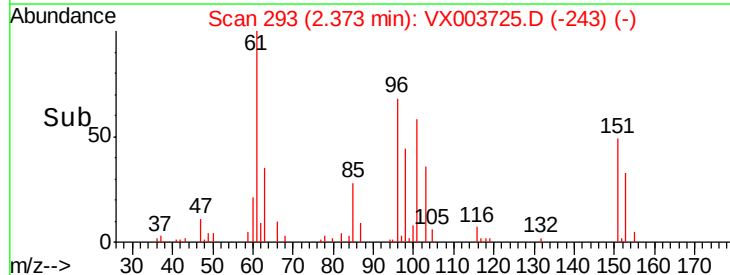
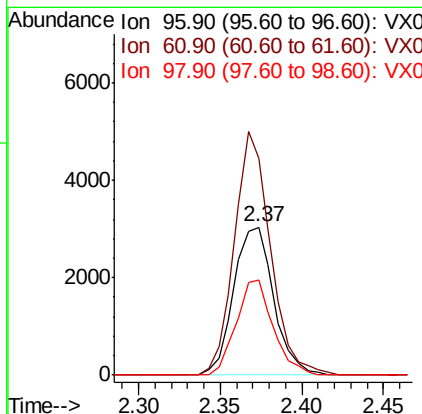
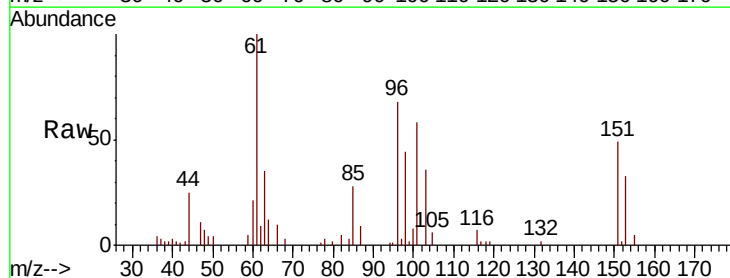
MMDadoda
 7/31/2018 1:39:48 PM

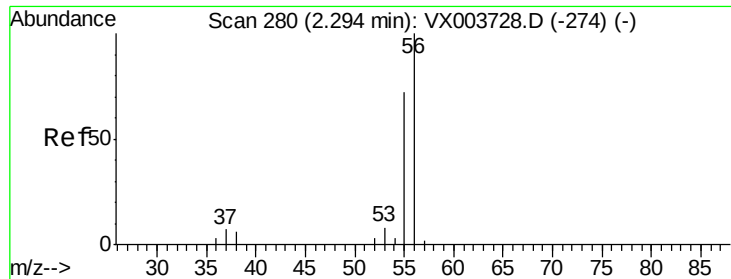


#12

1,1-Dichloroethene
 Concen: 5.13 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion	96	61	98	Ratio	100	146.7	64.2	Resp:	5174	Lower	Upper
96	100										
61		146.7								127.1	190.7
98		64.2								52.0	78.0





#13

Acrolein

Concen: 33.13 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1852

Ion Ratio Lower Upper

56 100

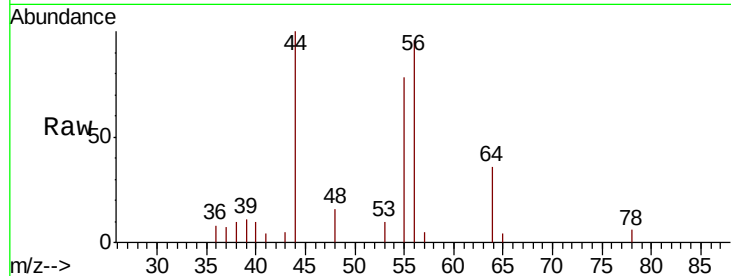
55 78.9 61.4 92.0

Manual Integrations

APPROVED

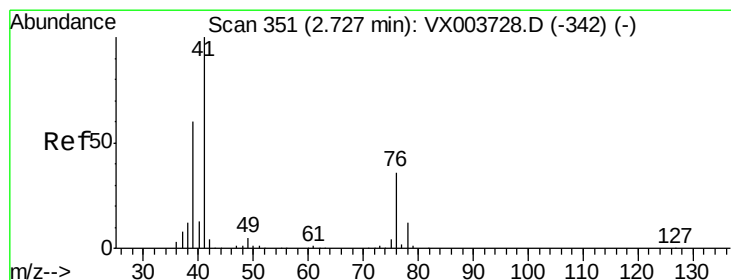
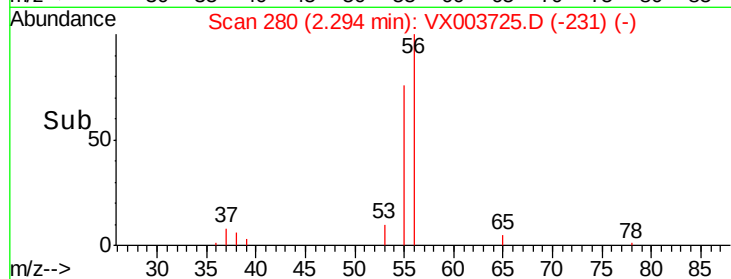
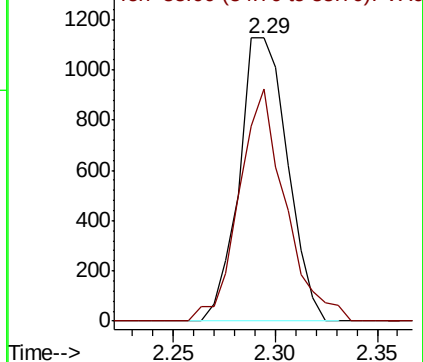
MMDadoda

7/31/2018 1:39:48 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.01 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

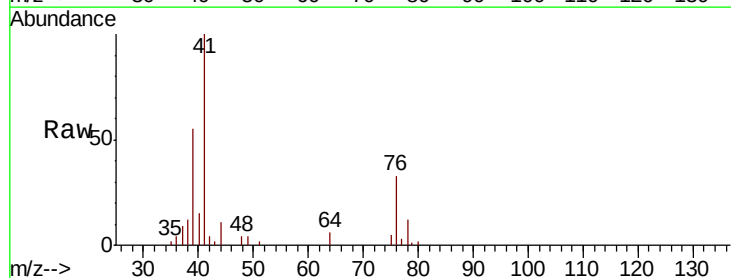
Tgt Ion: 41 Resp: 8283

Ion Ratio Lower Upper

41 100

39 63.0 47.7 71.5

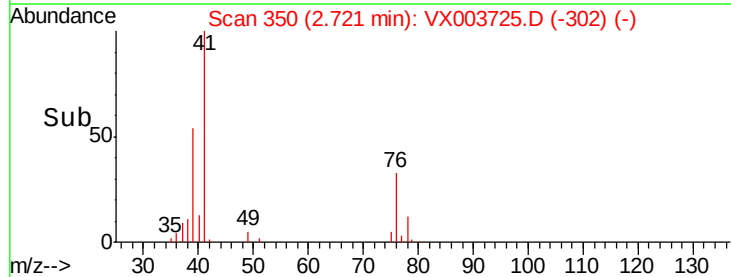
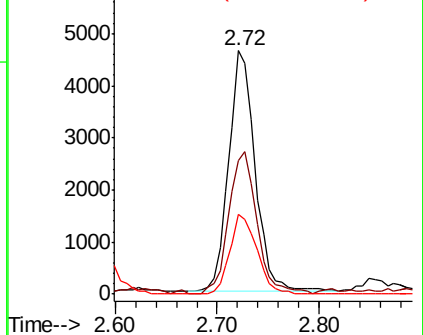
76 33.6 27.0 40.6

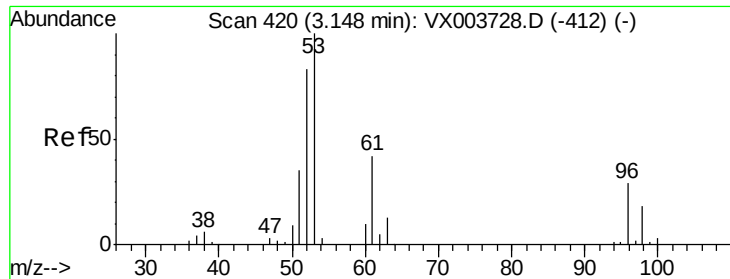


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 24.73 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

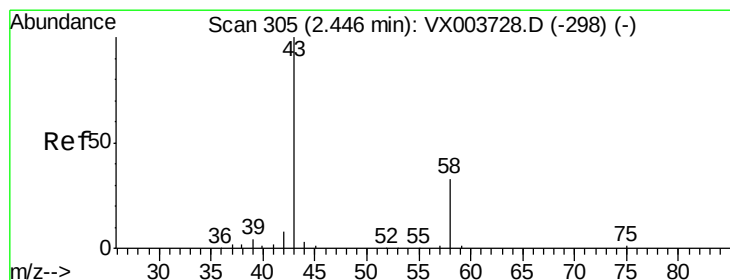
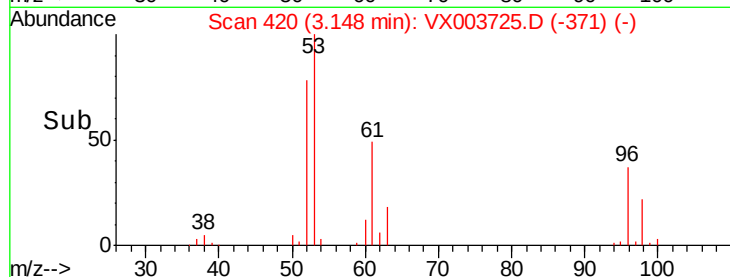
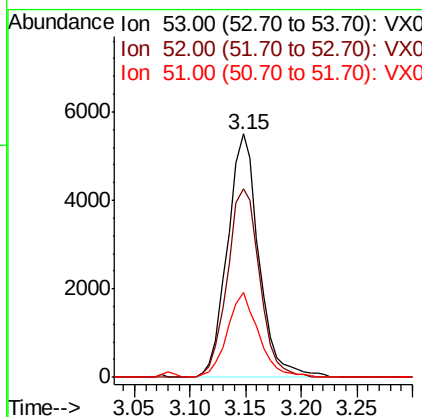
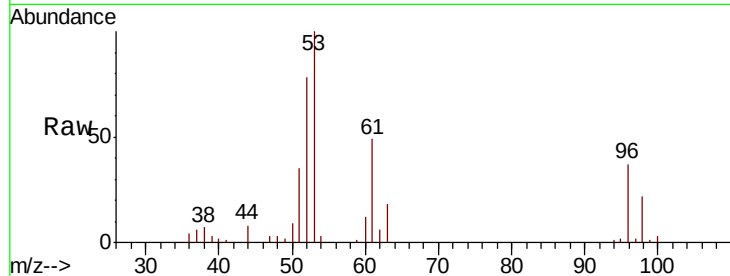
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10744
Ion	Ratio	Lower	Upper
53	100		
52	79.5	66.2	99.2
51	34.8	28.5	42.7

Manual Integrations
APPROVED

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#16

Acetone

Concen: 25.71 ug/l

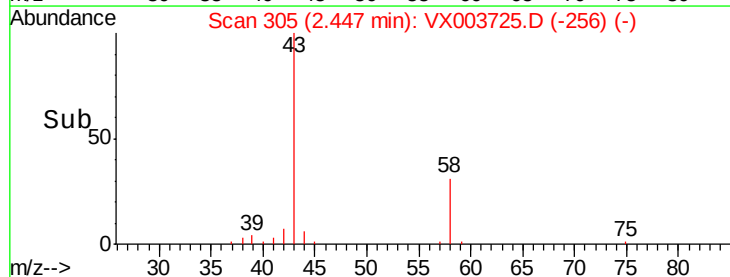
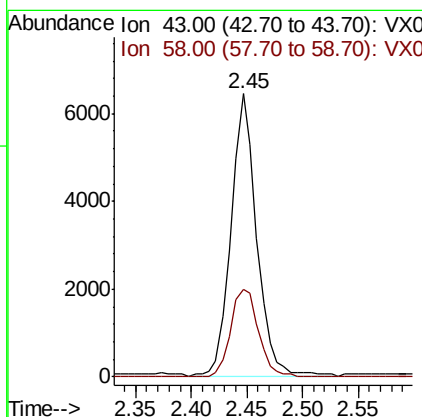
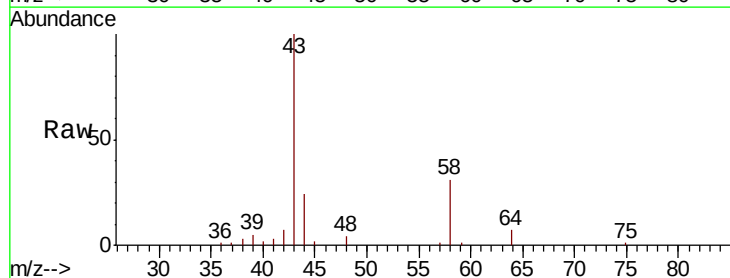
RT: 2.45 min Scan# 305

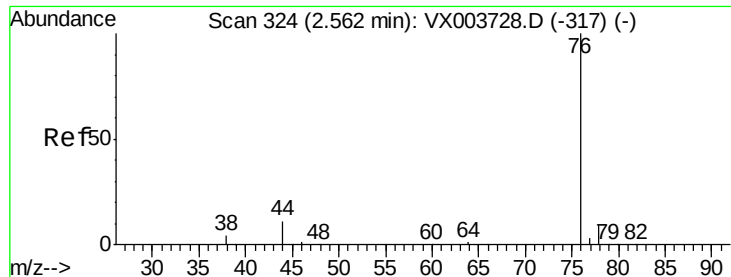
Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	43	Resp:	10360
Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.7	40.1





#17

Carbon Disulfide

Concen: 6.08 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 18461

Ion Ratio Lower Upper

76 100

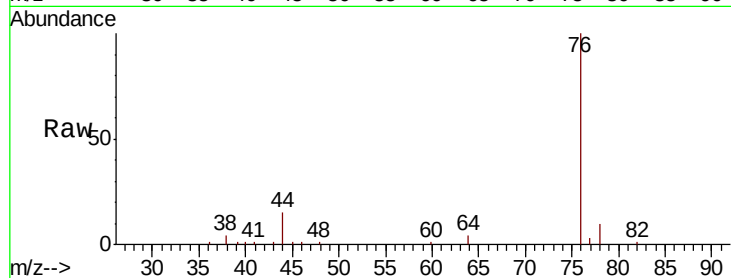
78 9.8 7.3 10.9

Manual Integrations

APPROVED

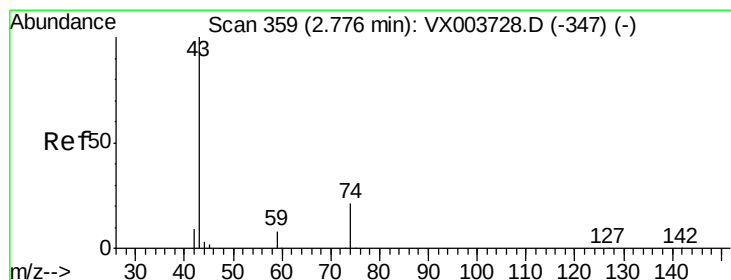
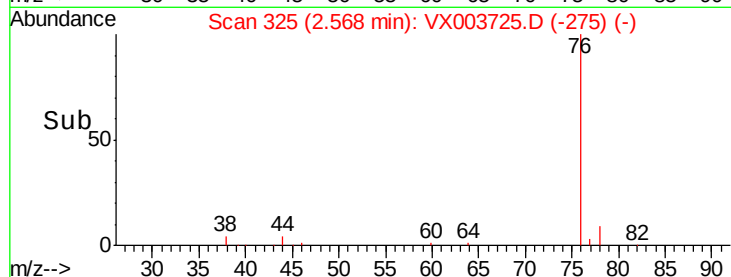
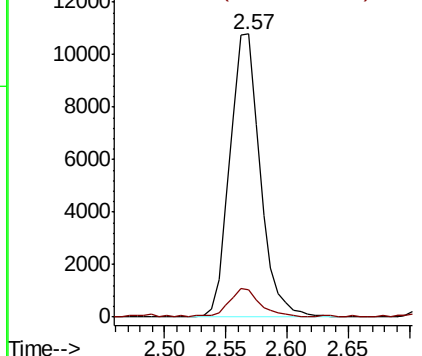
MMDadoda

7/31/2018 1:39:48 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 5.24 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003725.D

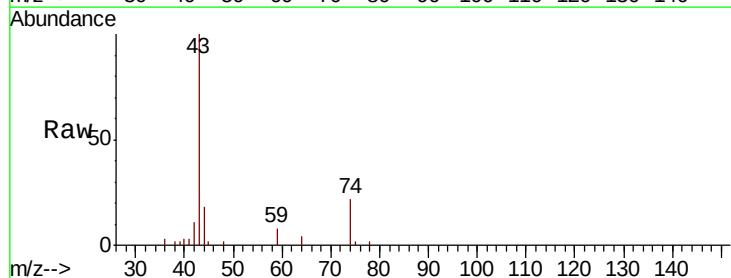
Acq: 30 Jul 2018 15:59

Tgt Ion: 43 Resp: 5939

Ion Ratio Lower Upper

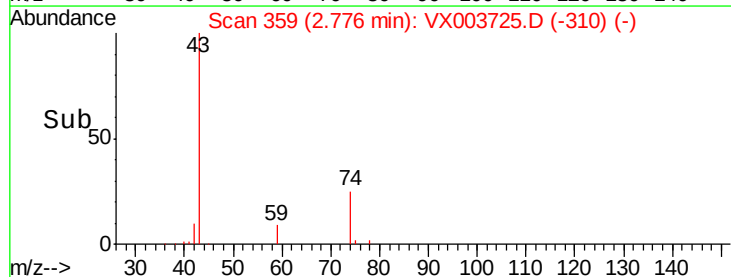
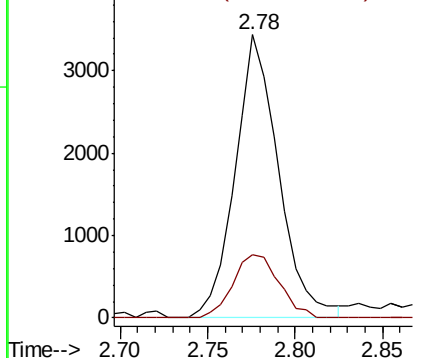
43 100

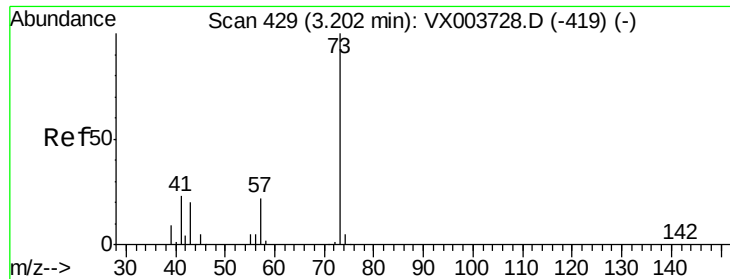
74 23.7 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





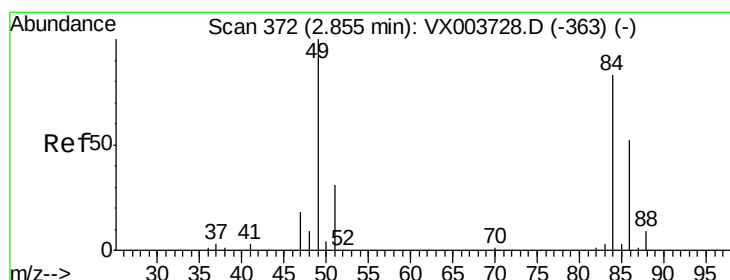
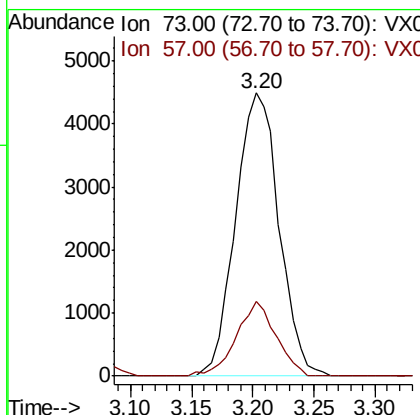
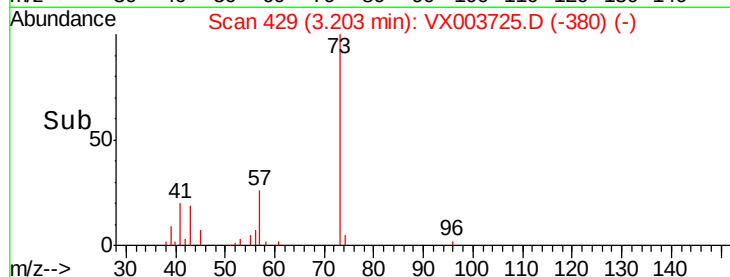
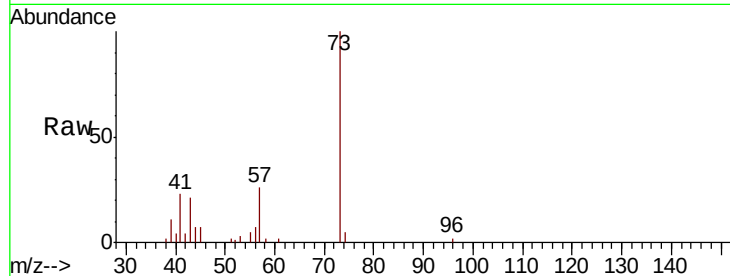
#19
Methyl tert-butyl Ether
Concen: 4.36 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.4	18.0	27.0

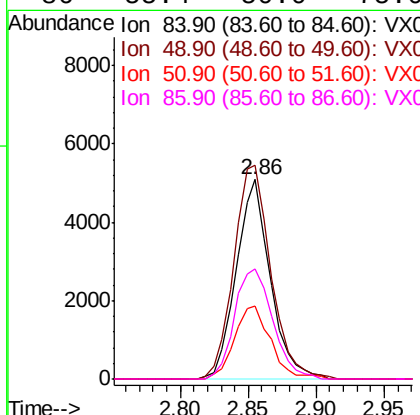
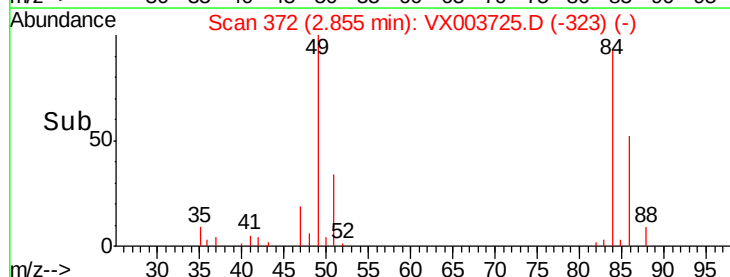
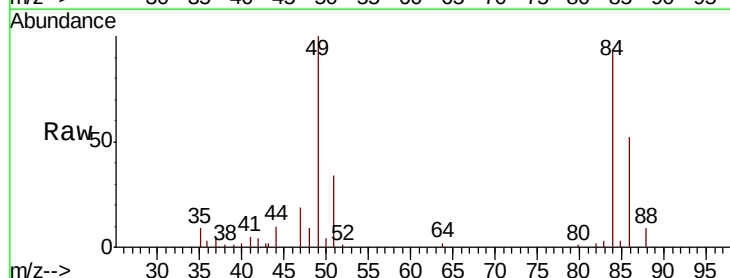
Manual Integrations
APPROVED

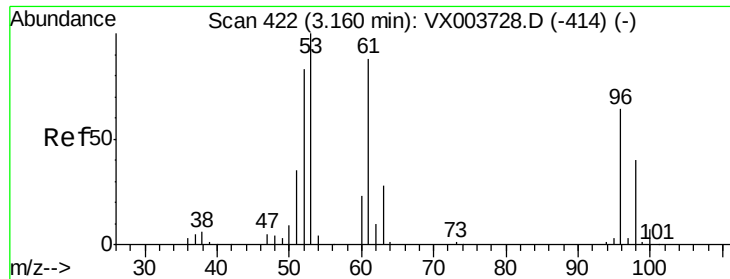
MMDadoda
7/31/2018 1:39:48 PM



#20
Methylene Chloride
Concen: 7.19 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.1	95.8	143.8
51	36.6	29.6	44.4
86	55.4	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 5.61 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

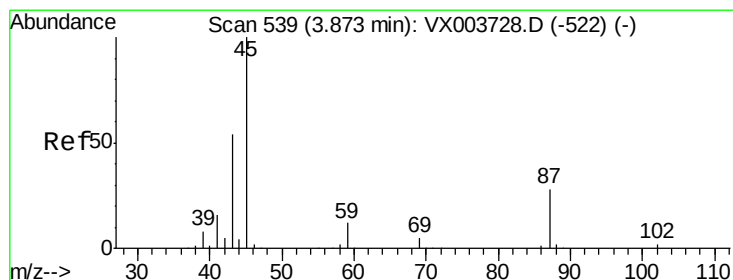
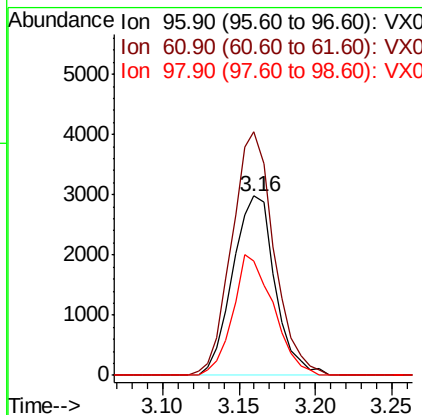
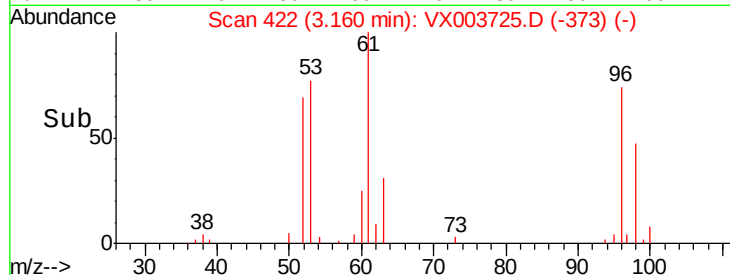
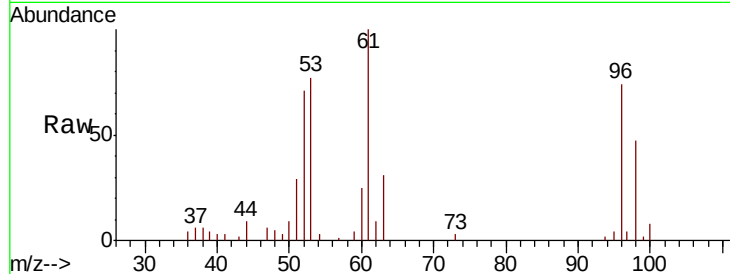
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	5733
Ion	Ratio	Lower	Upper
96	100		
61	135.6	110.9	166.3
98	63.3	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
7/31/2018 1:39:48 PM



#22

Diisopropyl ether

Concen: 4.76 ug/l

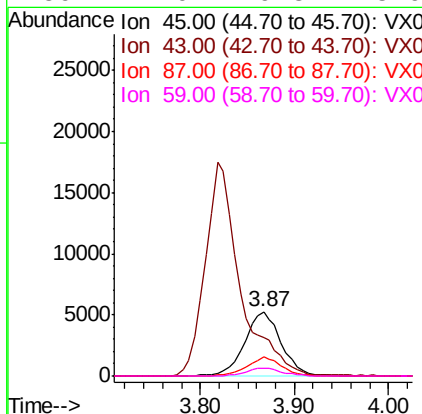
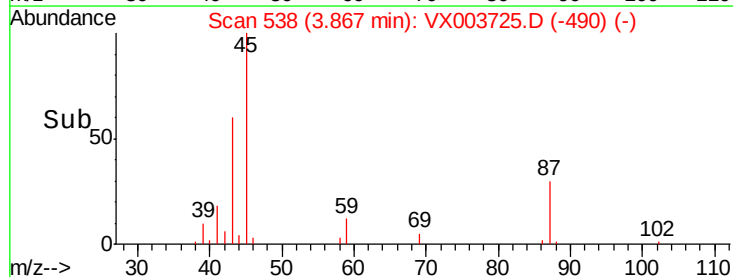
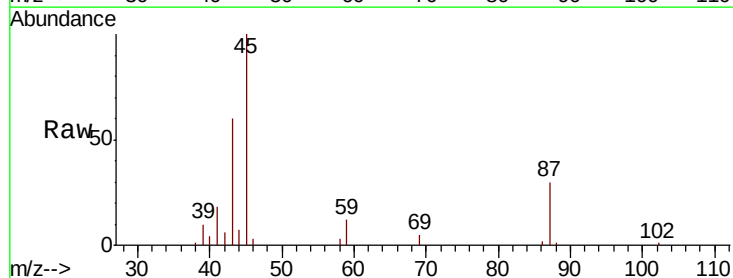
RT: 3.87 min Scan# 538

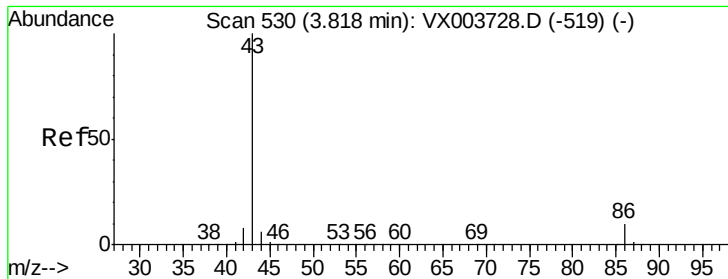
Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	45	Resp:	14208
Ion	Ratio	Lower	Upper
45	100		
43	59.2	43.5	65.3
87	30.3	22.6	33.8
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 21.00 ug/l

RT: 3.82 min Scan# 530

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45191

Ion Ratio Lower Upper

43 100

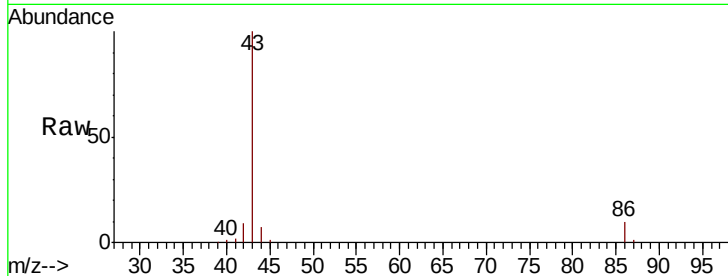
86 9.9 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

7/31/2018 1:39:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

20000

15000

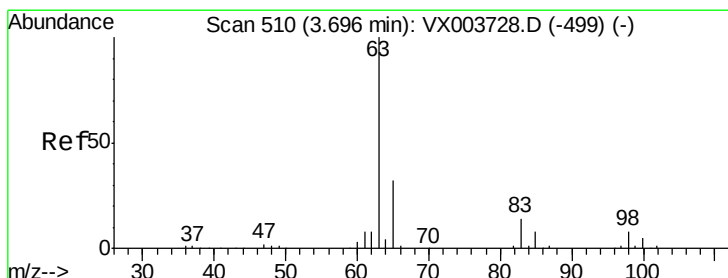
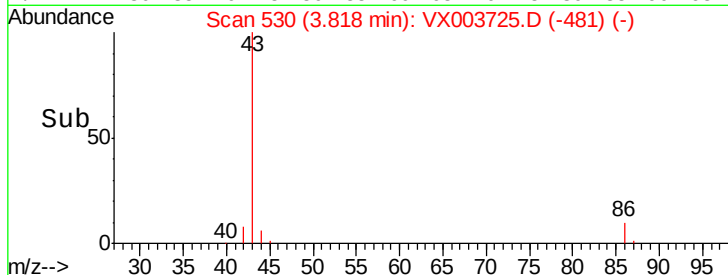
10000

5000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 5.23 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

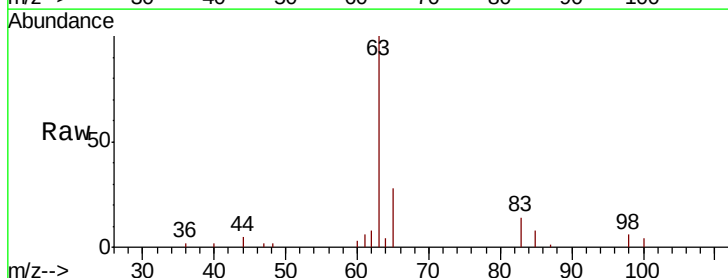
Tgt Ion: 63 Resp: 9103

Ion Ratio Lower Upper

63 100

98 5.9 4.0 12.0

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

5000

4000

3000

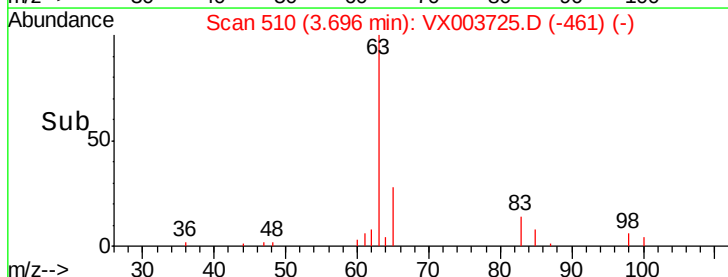
2000

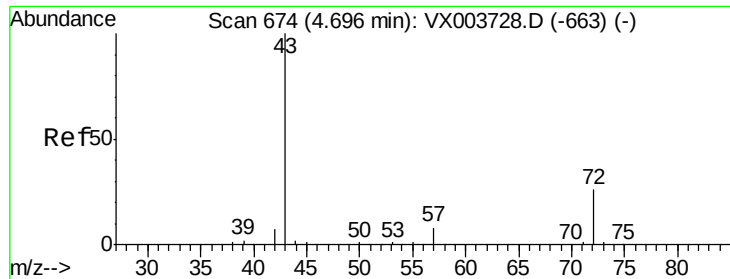
1000

0

3.60 3.65 3.70 3.75 3.80

Time-->





#25

2-Butanone

Concen: 23.26 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 13664

Ion Ratio Lower Upper

43 100

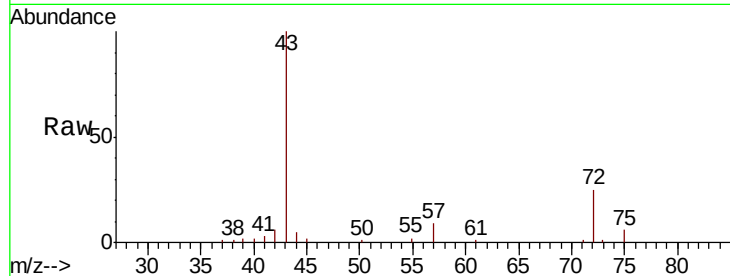
72 24.7 20.9 31.3

Manual Integrations

APPROVED

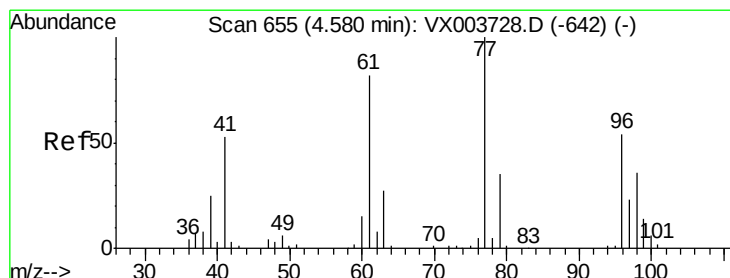
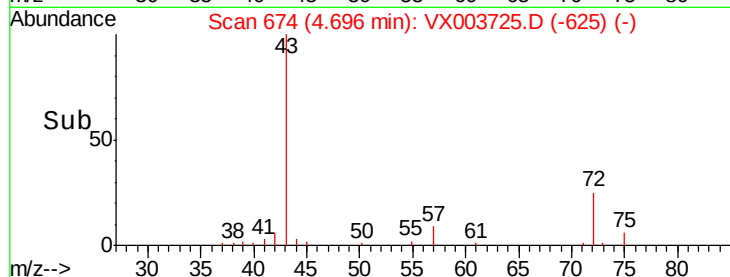
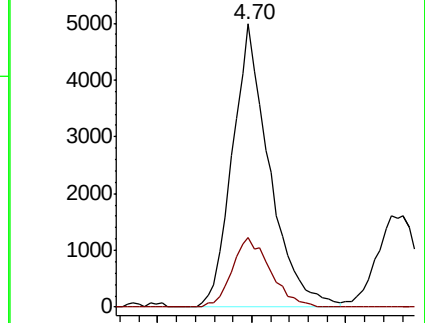
MMDadoda

7/31/2018 1:39:48 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: 5.20 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003725.D

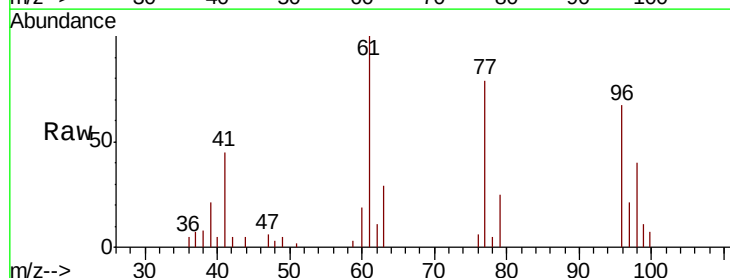
Acq: 30 Jul 2018 15:59

Tgt Ion: 77 Resp: 7133

Ion Ratio Lower Upper

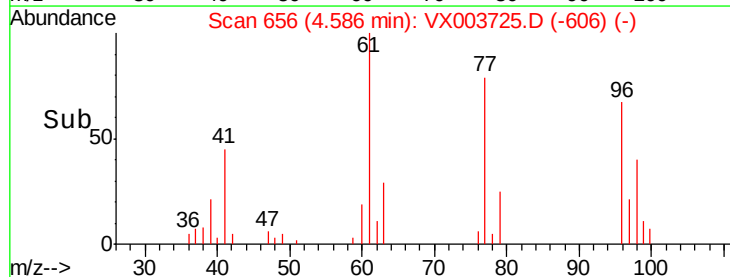
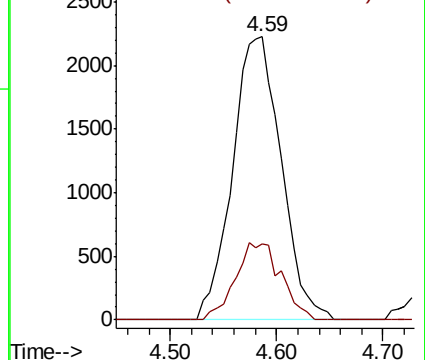
77 100

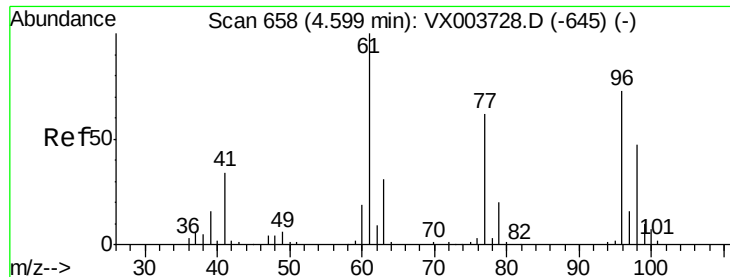
97 25.4 12.2 36.6



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: 5.31 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

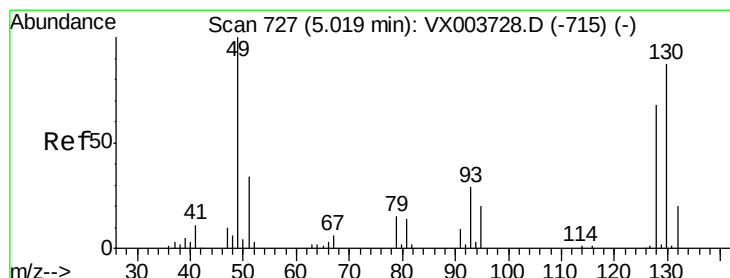
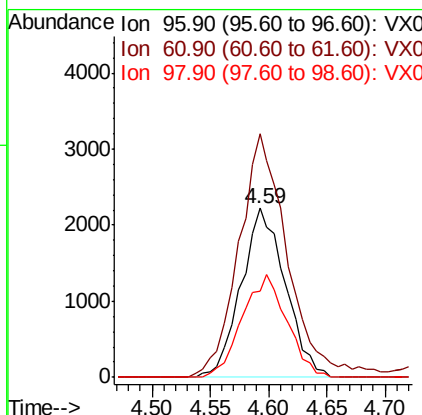
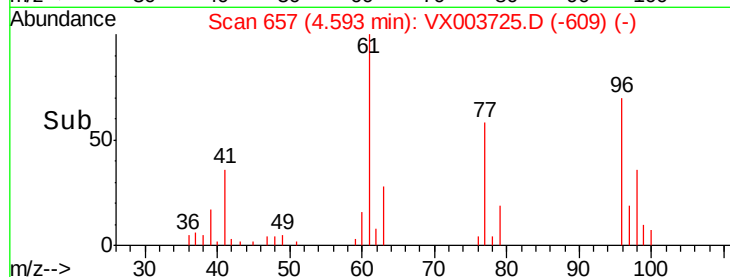
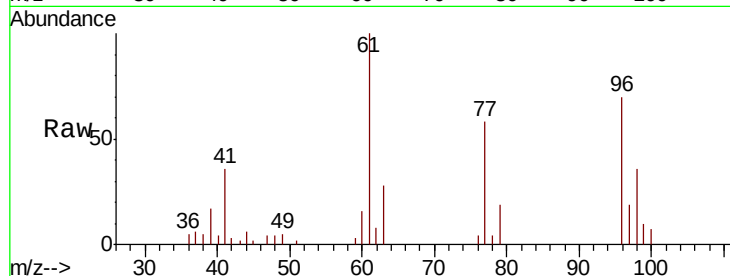
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	5845
Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	285.6
98	61.5	0.0	131.0

Manual Integrations
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MMDadoda
7/31/2018 1:39:48 PM



#28

Bromochloromethane

Concen: 4.94 ug/l

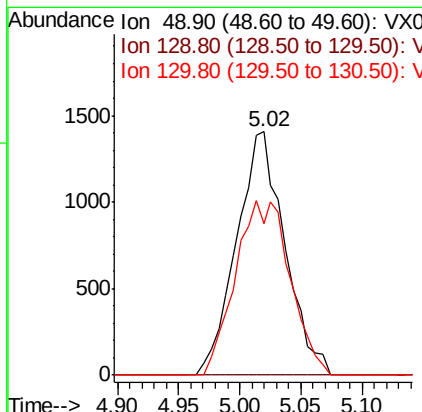
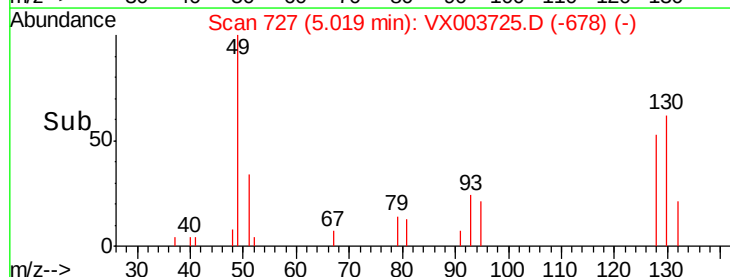
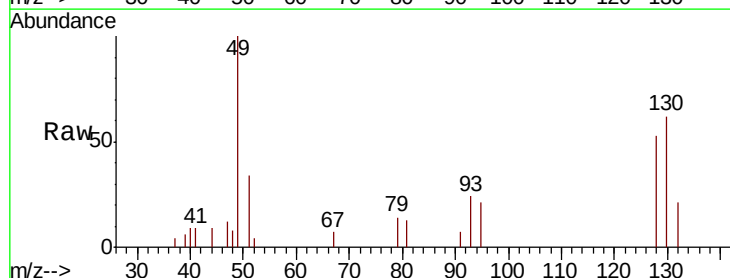
RT: 5.02 min Scan# 727

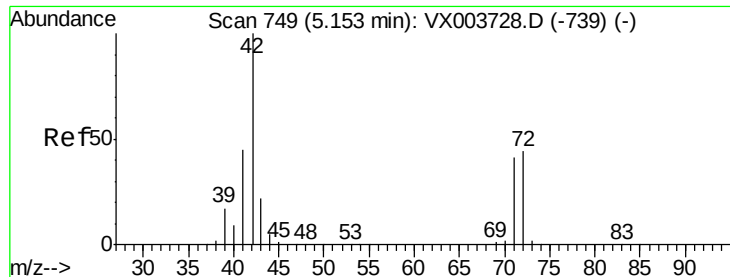
Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	49	Resp:	3858
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	81.0	68.9	103.3





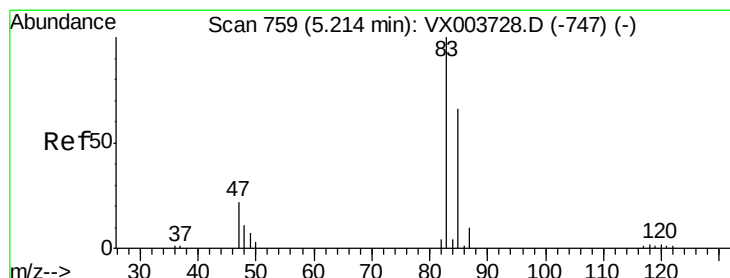
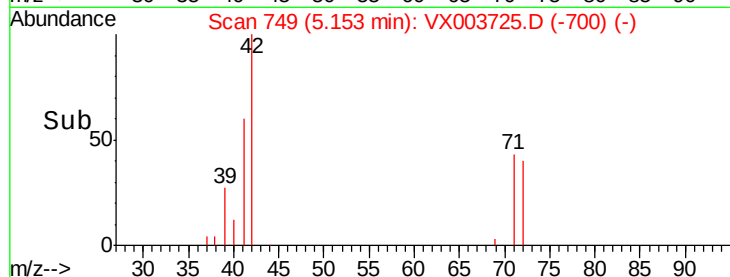
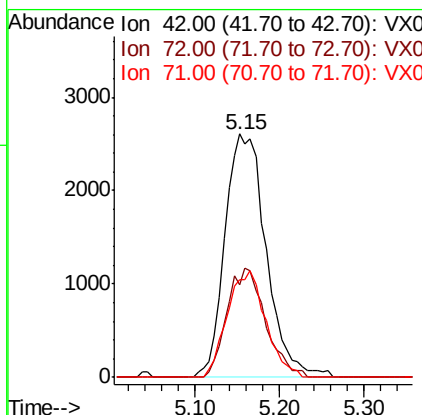
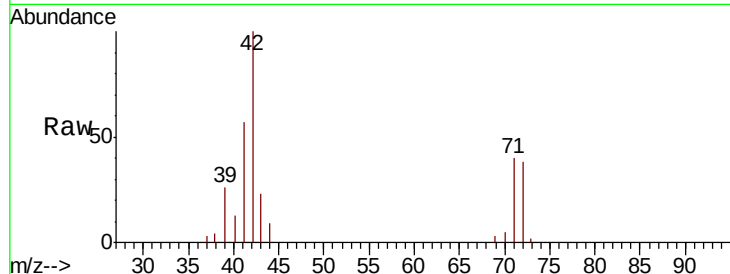
#29
Tetrahydrofuran
Concen: 23.06 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	8635
Ion	Ratio	Lower	Upper
42	100		
72	42.0	35.6	53.4
71	40.9	33.4	50.0

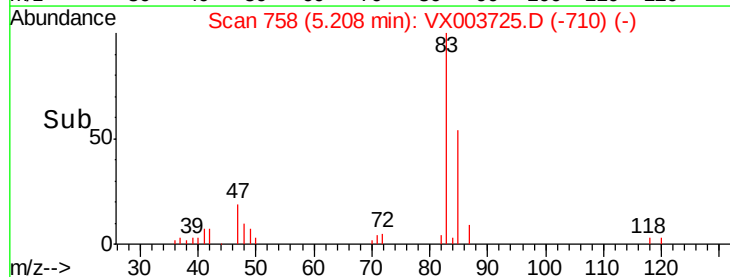
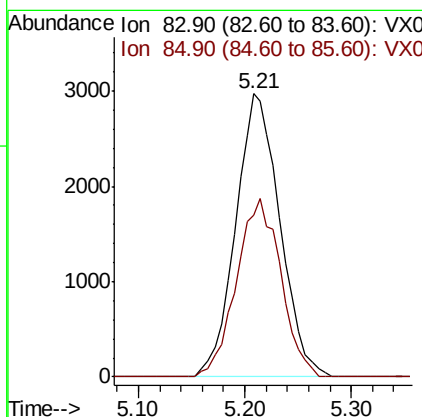
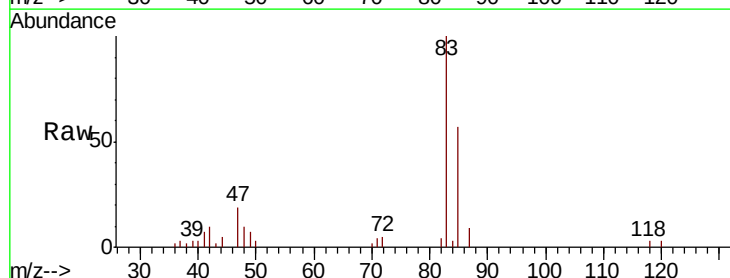
Manual Integrations
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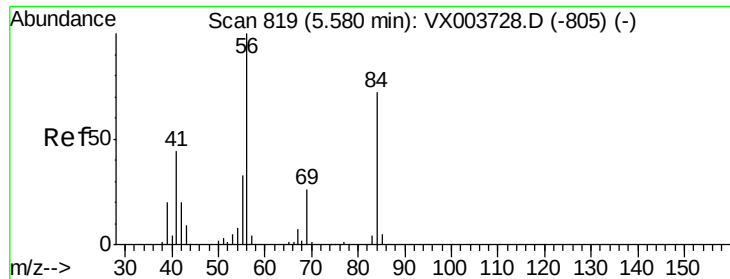
MMDadoda
7/31/2018 1:39:48 PM



#30
Chloroform
Concen: 5.03 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion:	83	Resp:	8624
Ion	Ratio	Lower	Upper
83	100		
85	57.2	52.8	79.2





#31

Cyclohexane

Concen: 5.21 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

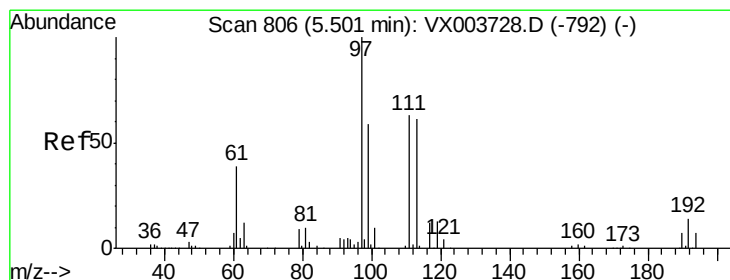
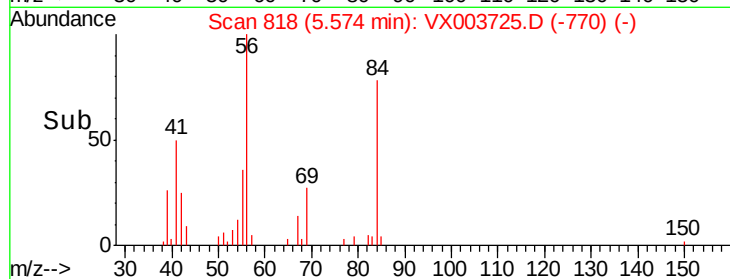
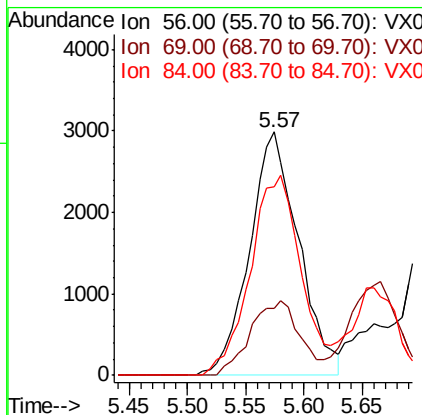
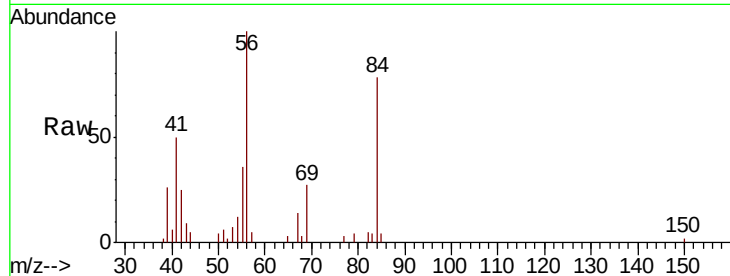
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	8764
Ion	Ratio	Lower	Upper
56	100		
69	27.4	20.6	30.8
84	77.6	57.9	86.9

Manual Integrations
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MMDadoda
7/31/2018 1:39:48 PM



#32

1,1,1-Trichloroethane

Concen: 4.90 ug/l

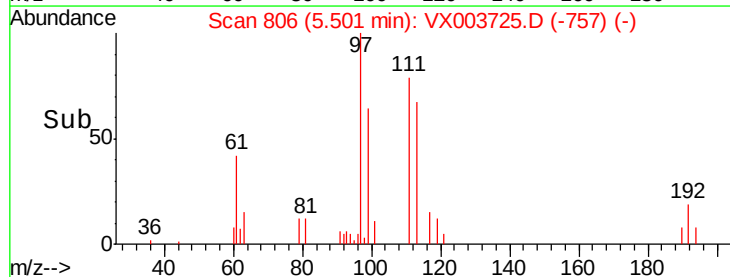
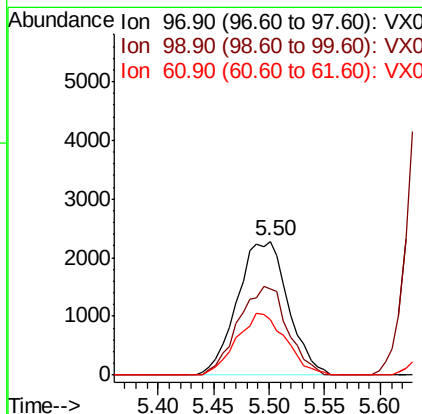
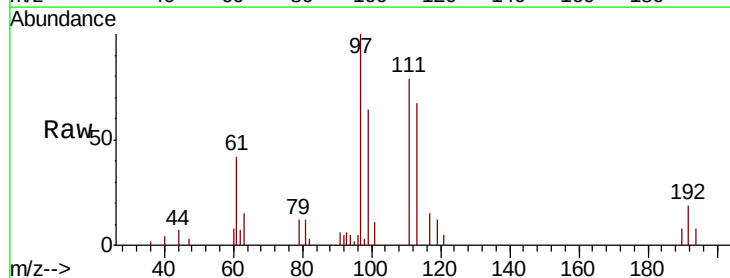
RT: 5.50 min Scan# 806

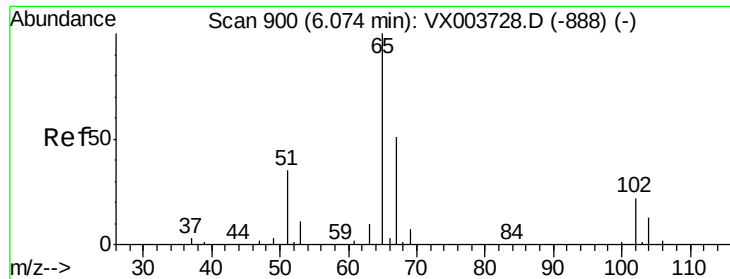
Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	97	Resp:	7219
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	44.7	33.4	50.2





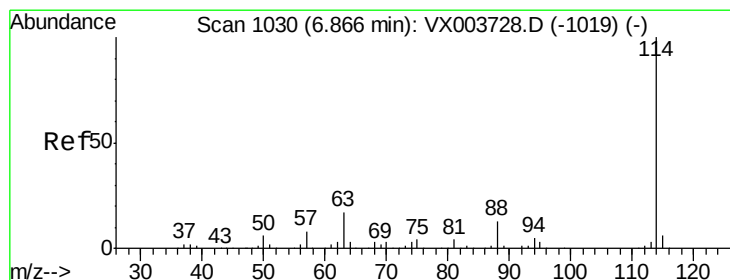
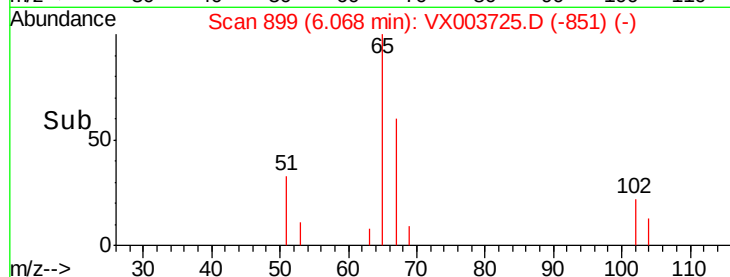
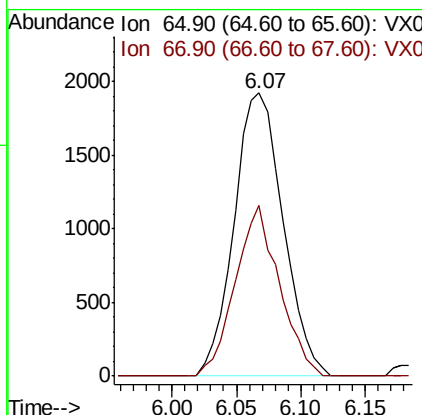
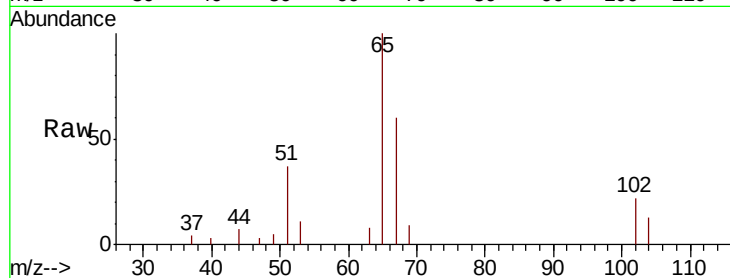
#33
 1,2-Dichloroethane-d4
 Concen: 4.81 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.0

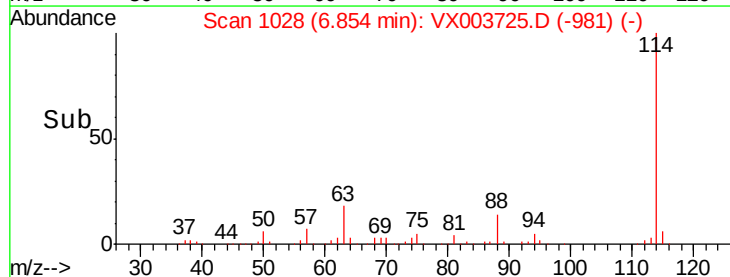
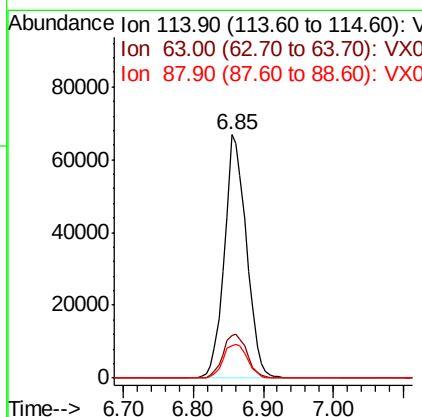
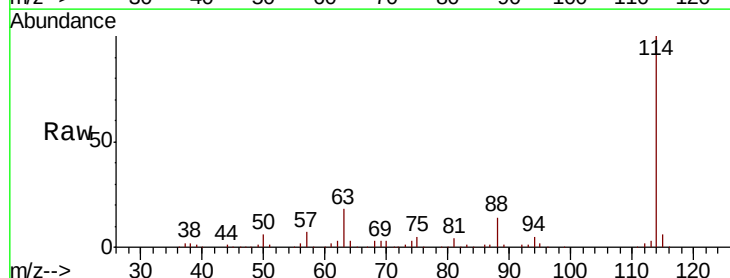
Manual Integrations
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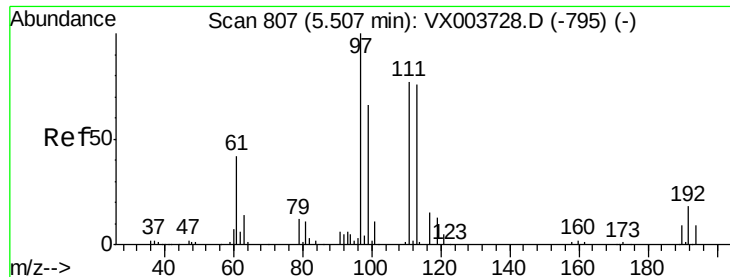
MMDadoda
 7/31/2018 1:39:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	34.0
88	13.6	0.0	26.4





#35

Dibromofluoromethane

Concen: 4.92 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

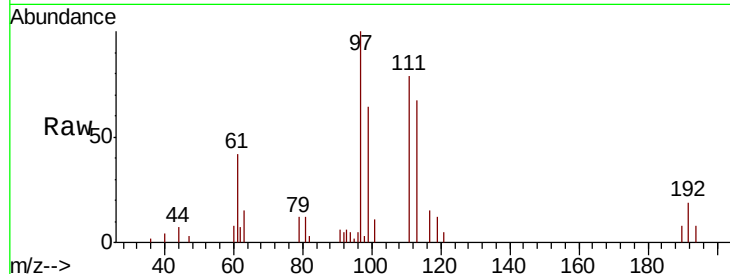
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	4239
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	25.4	18.8	28.2

Manual Integrations
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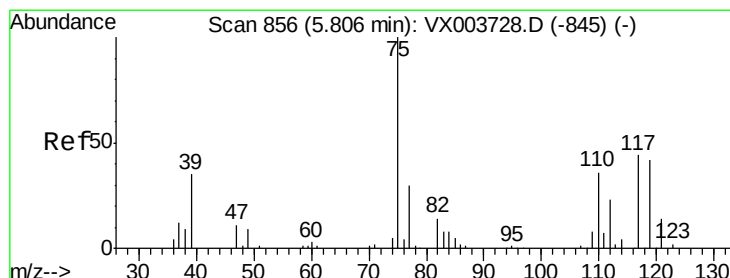
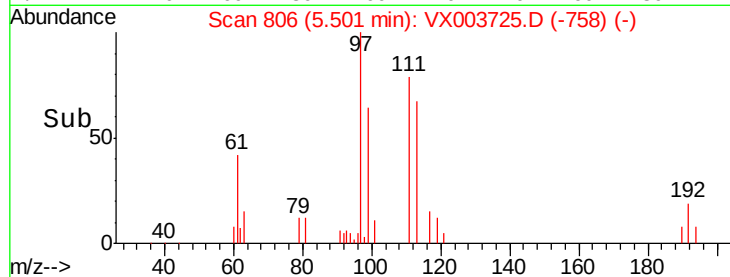
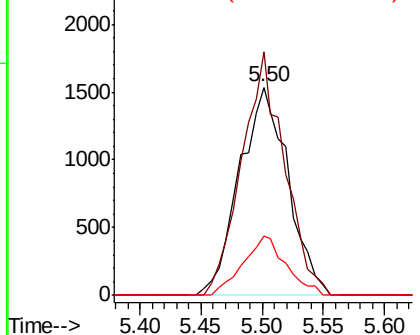


Abundance

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: 5.60 ug/l

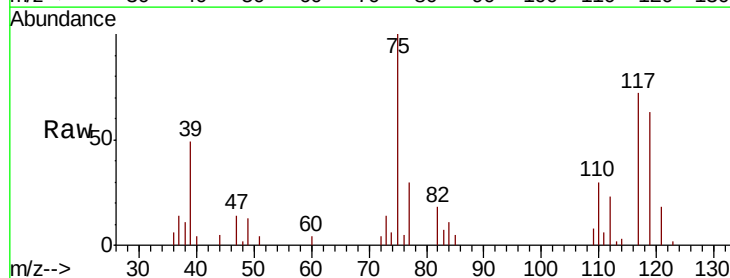
RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	75	Resp:	7672
Ion	Ratio	Lower	Upper
75	100		
110	34.5	18.3	54.8
77	32.2	25.1	37.7

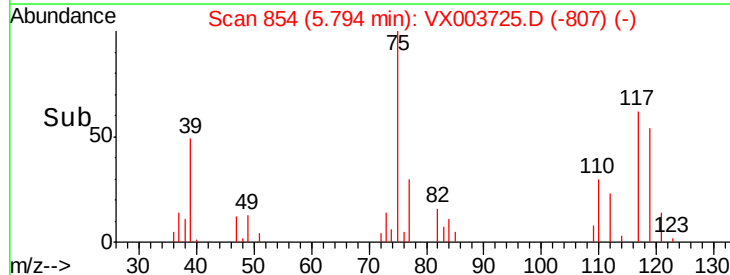
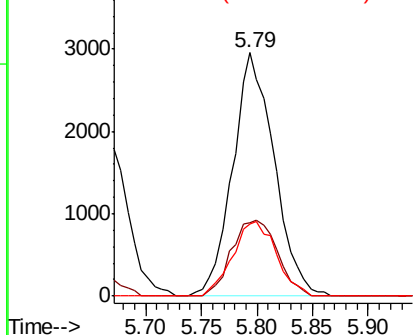


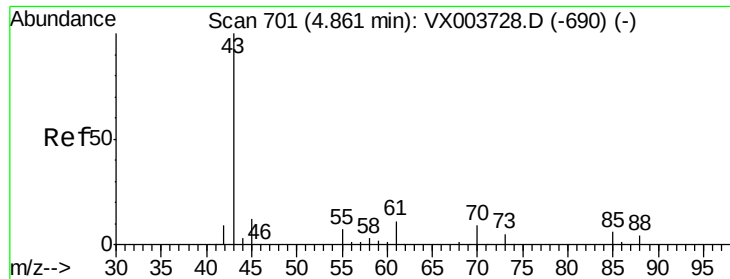
Abundance

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





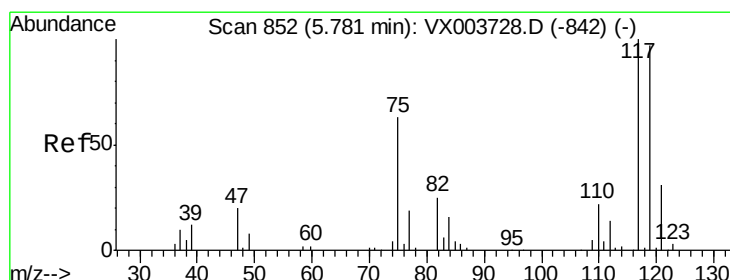
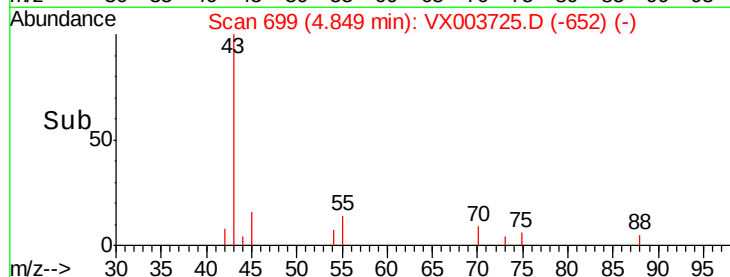
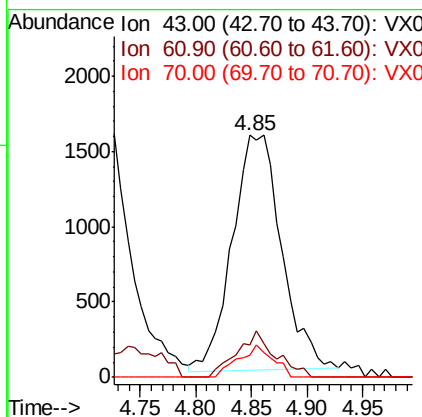
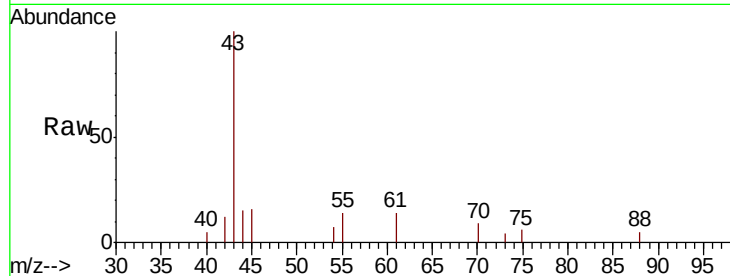
#37
Ethyl Acetate
Concen: 4.58 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.3	11.4	17.0	
70	9.5	8.2	12.2	

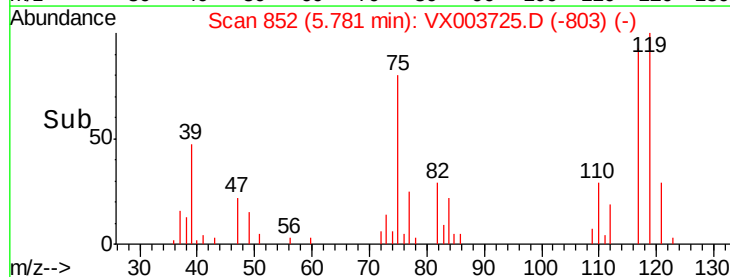
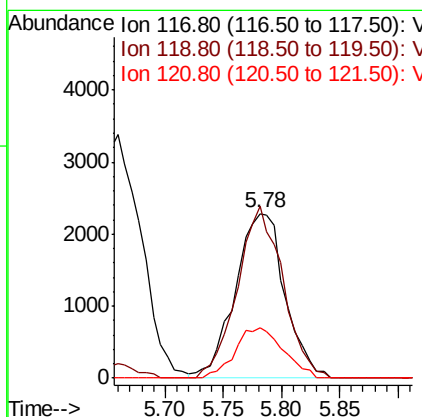
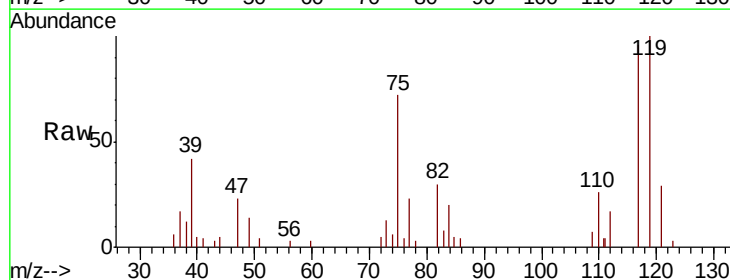
Manual Integrations
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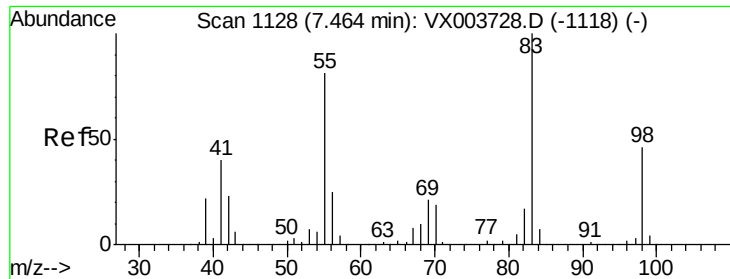
MMDadoda
7/31/2018 1:39:48 PM



#38
Carbon Tetrachloride
Concen: 5.35 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	104.7	77.2	115.8	
121	30.2	25.0	37.4	





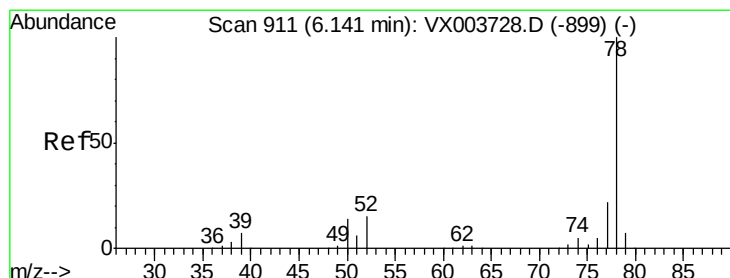
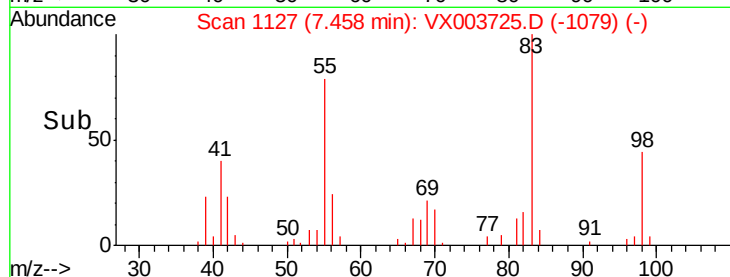
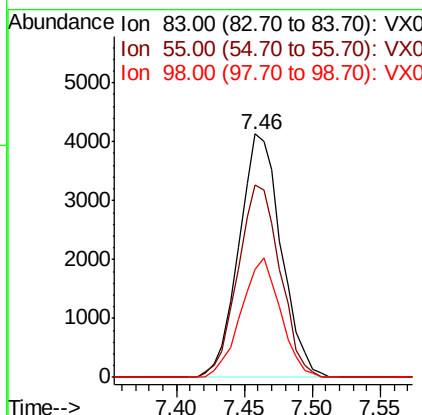
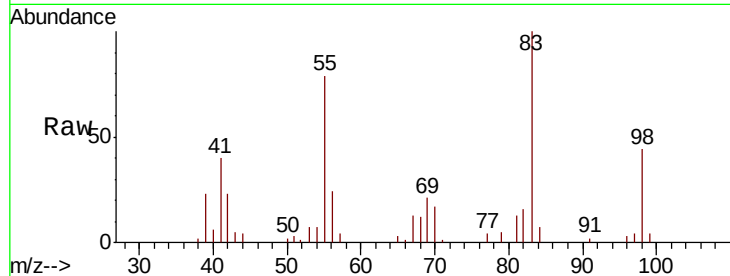
#39
Methylvlcyclohexane
Concen: 5.34 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.0	97.6
98	44.3	37.1	55.7

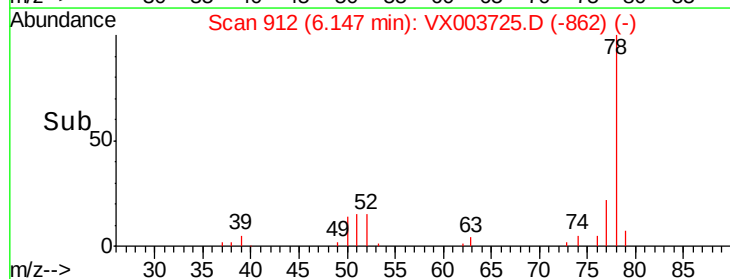
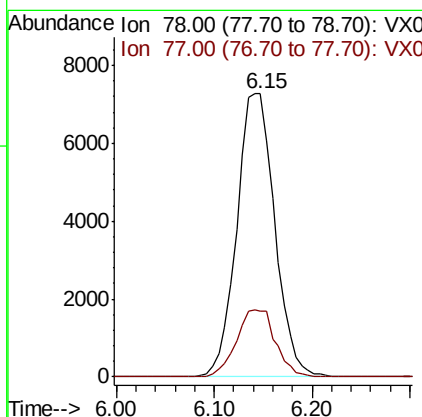
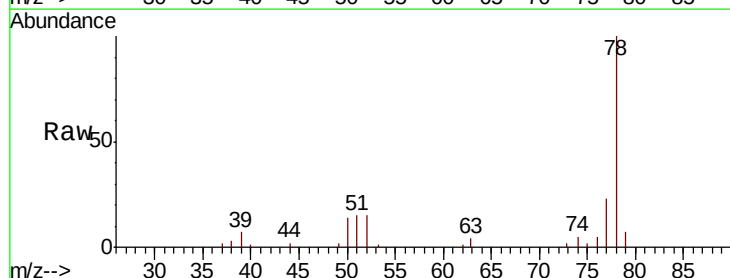
Manual Integrations
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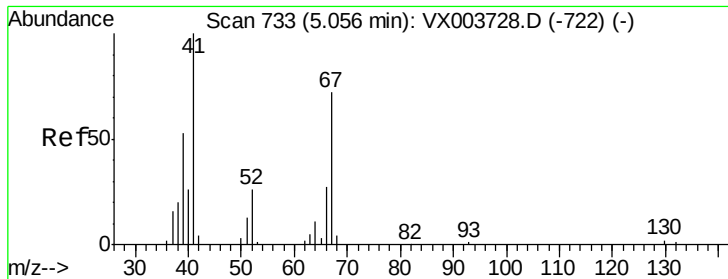
MMDadoda
7/31/2018 1:39:48 PM



#40
Benzene
Concen: 4.98 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.9	26.9





#41

Methacrylonitrile

Concen: 4.59 ug/l

RT: 5.05 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

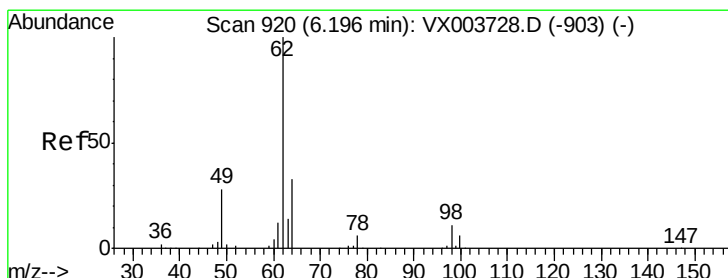
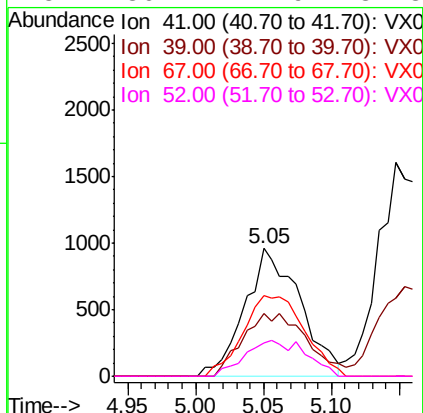
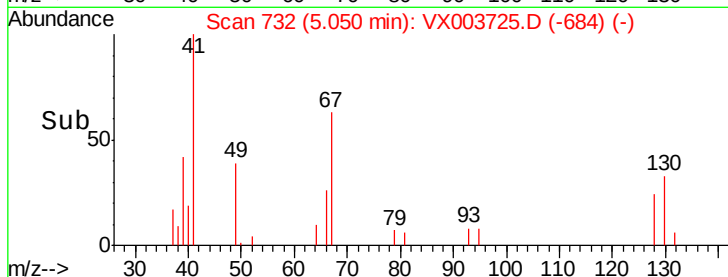
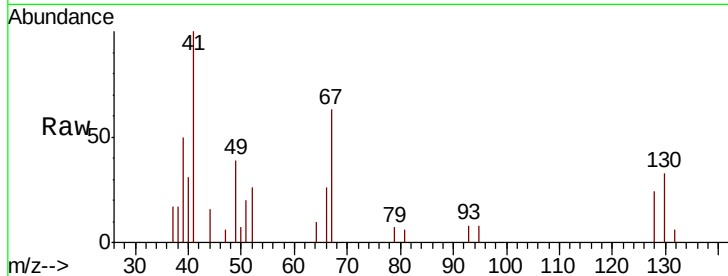
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	42.6	64.0
67	70.0	58.9	88.3
52	30.7	22.9	34.3

Manual Integrations
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MMDadoda
7/31/2018 1:39:48 PM



#42

1,2-Dichloroethane

Concen: 4.62 ug/l

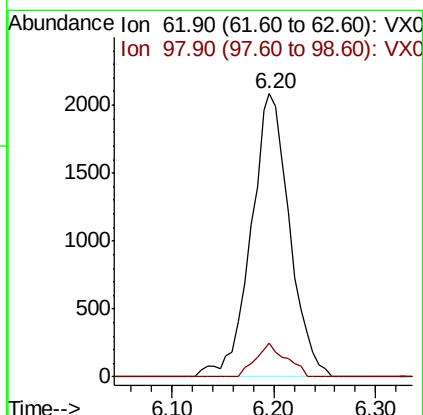
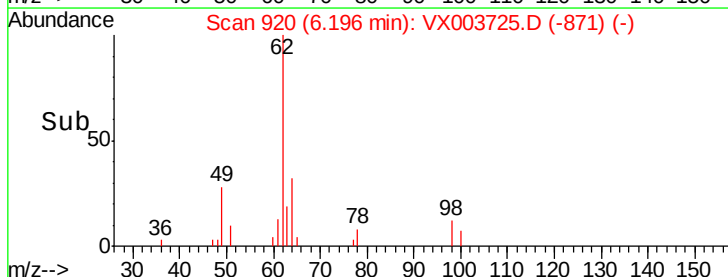
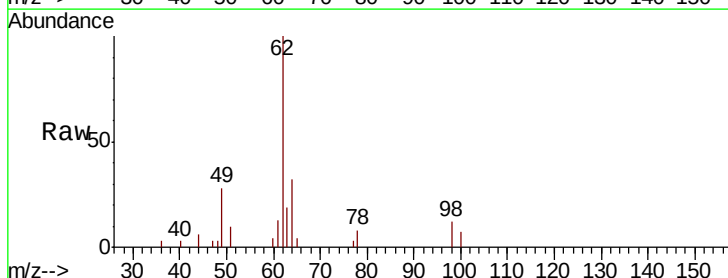
RT: 6.20 min Scan# 920

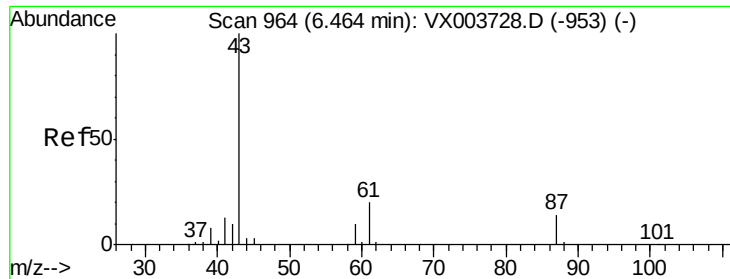
Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.4





#43

Isopropyl Acetate

Concen: 4.20 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

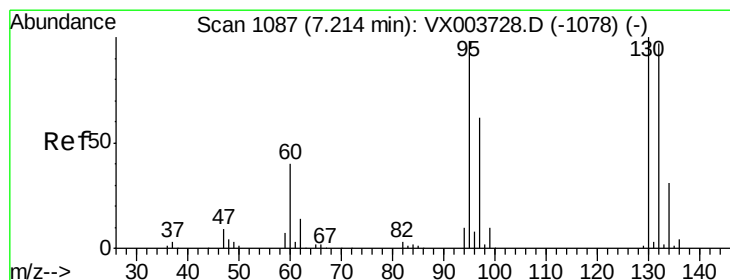
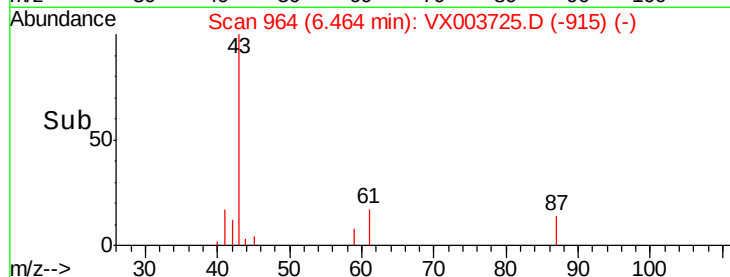
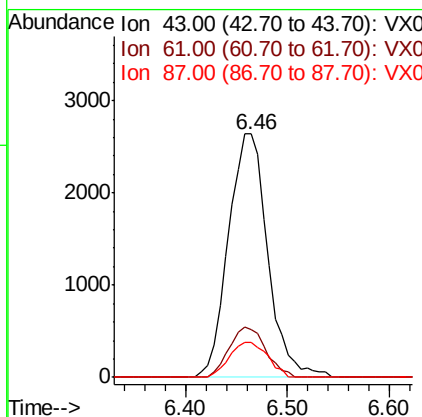
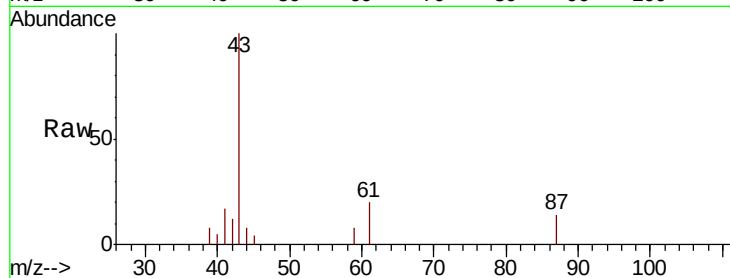
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	7050
Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.5	24.7
87	13.9	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 5.70 ug/l

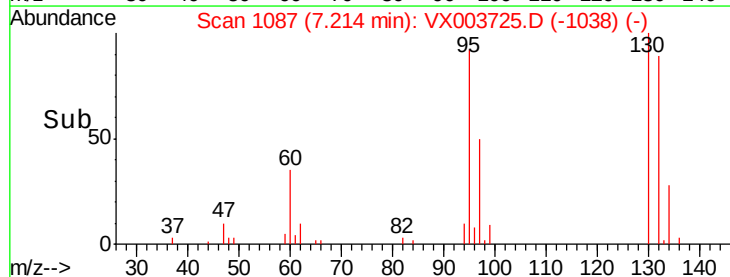
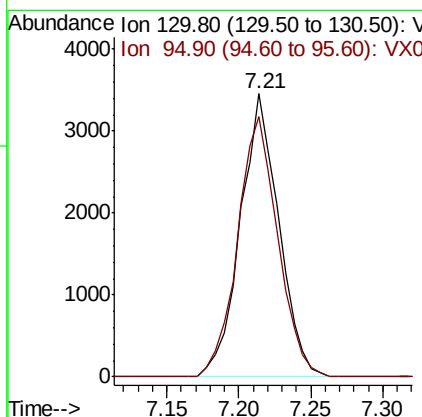
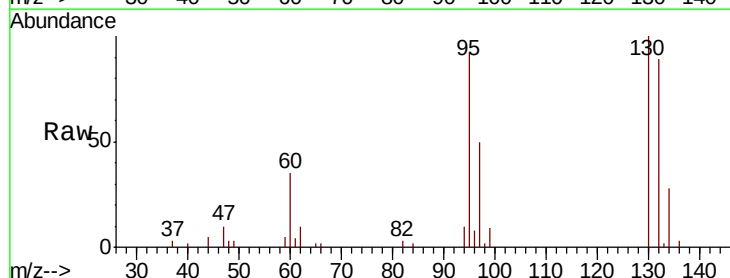
RT: 7.21 min Scan# 1087

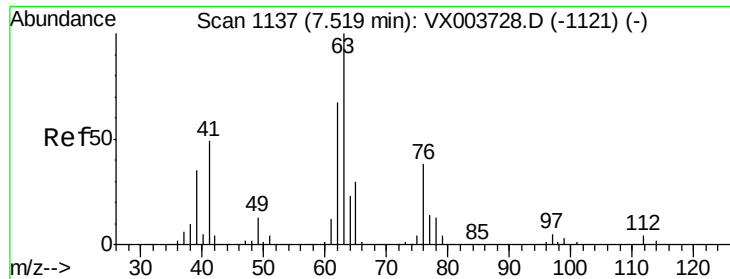
Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	130	Resp:	6390
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	196.2





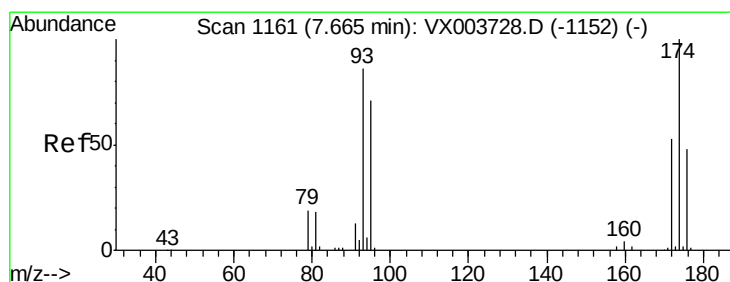
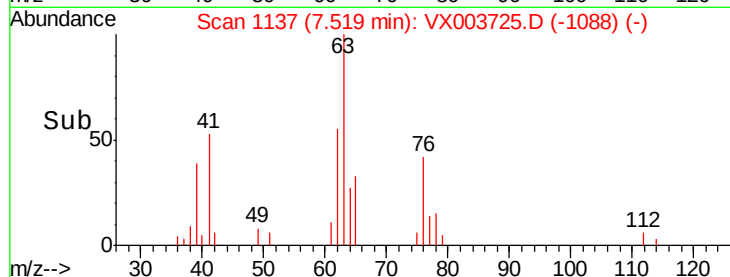
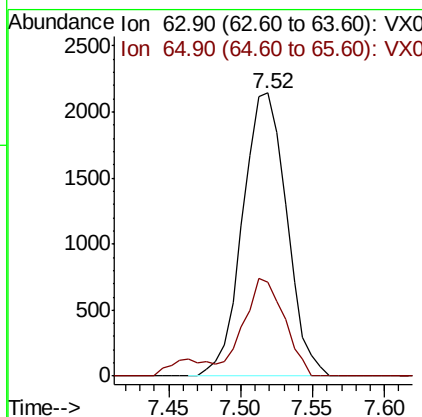
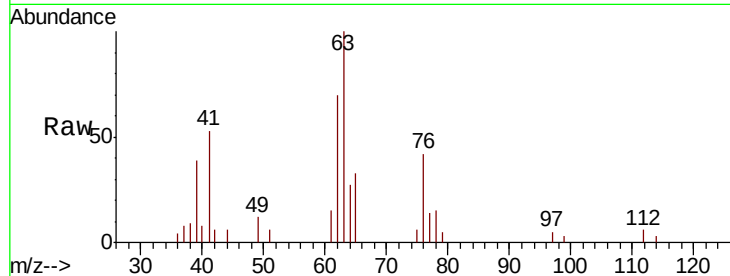
#45
 1,2-Dichloropropane
 Concen: 4.70 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 4540
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.7 35.5

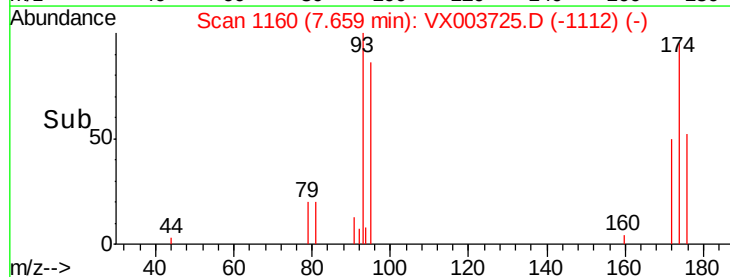
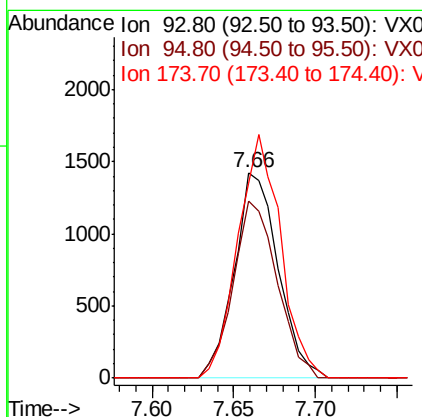
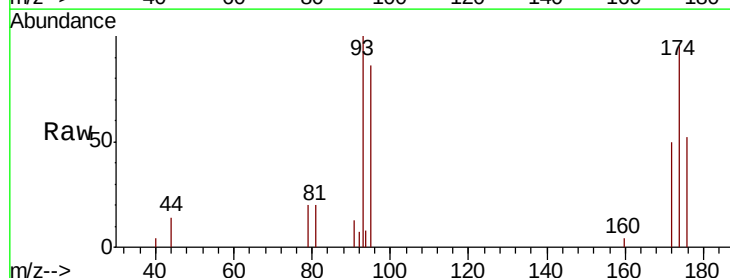
Manual Integrations
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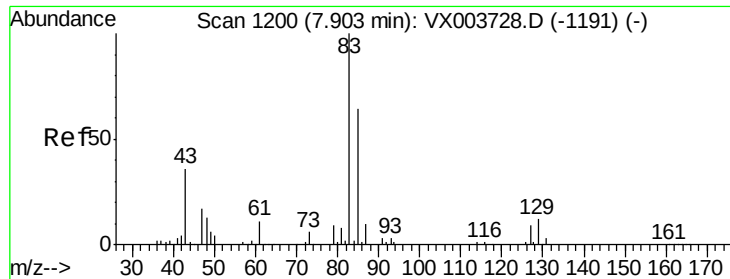
MMDadoda
 7/31/2018 1:39:48 PM



#46
 Dibromomethane
 Concen: 4.79 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion: 93 Resp: 2668
 Ion Ratio Lower Upper
 93 100
 95 86.1 68.1 102.1
 174 115.1 96.2 144.4





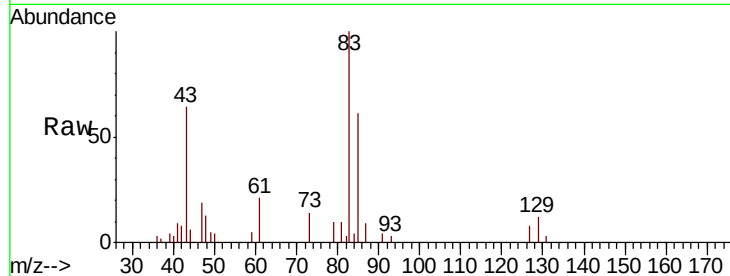
#47
Bromodichloromethane
Concen: 4.44 ug/l
RT: 7.90 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

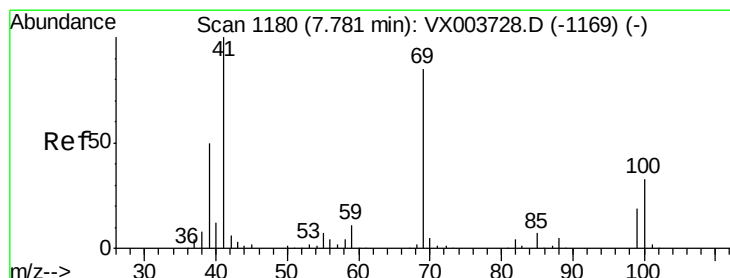
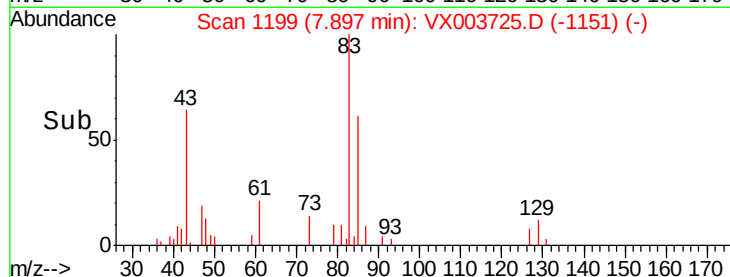
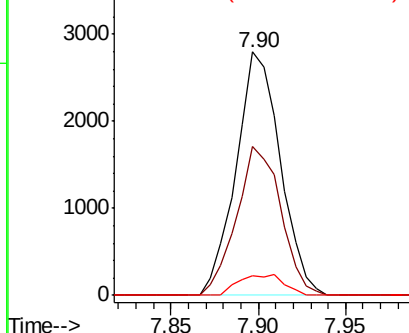
Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.1	76.7
127	8.1	7.1	10.7

Manual Integrations
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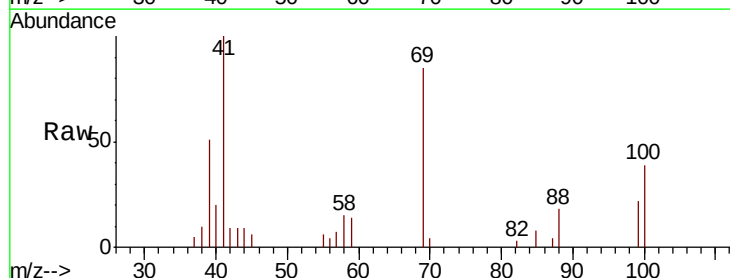


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

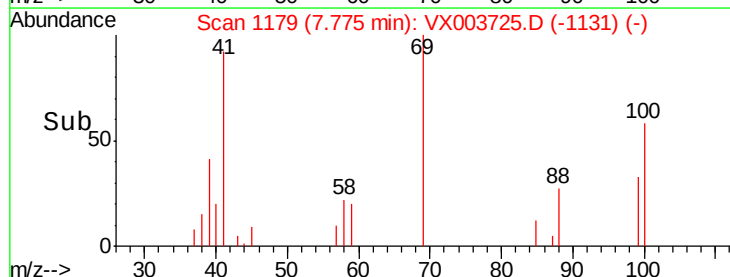
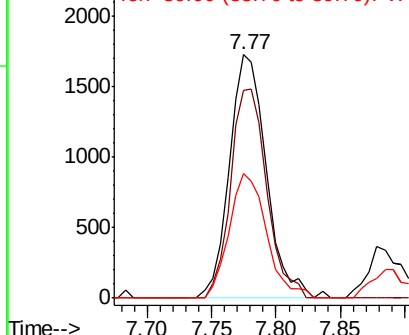


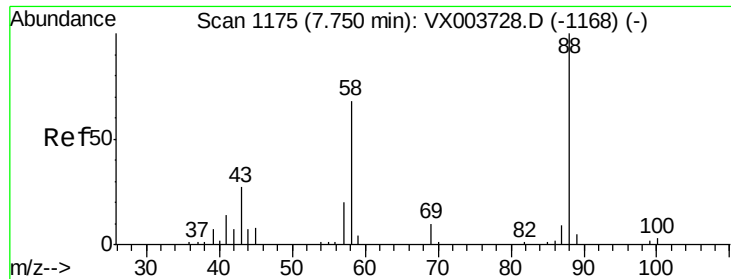
#48
Methyl methacrylate
Concen: 4.08 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.9	68.7	103.1
39	51.8	40.8	61.2



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





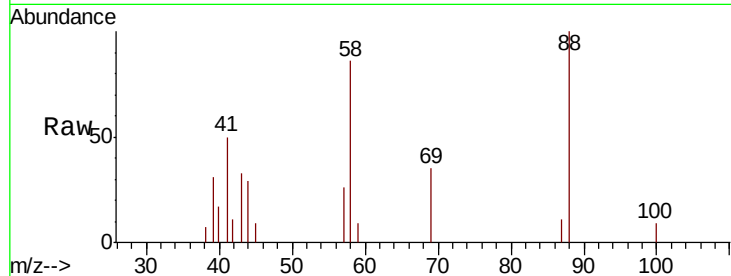
#49
1,4-Dioxane
Concen: 90.73 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.0	39.0
58	75.1	57.1	85.7

Manual Integrations
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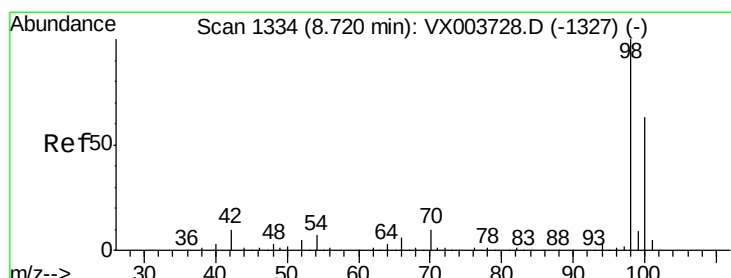
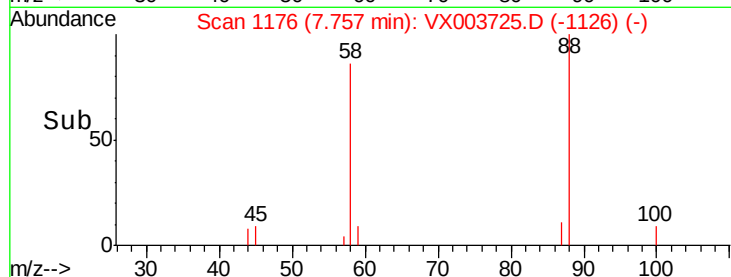
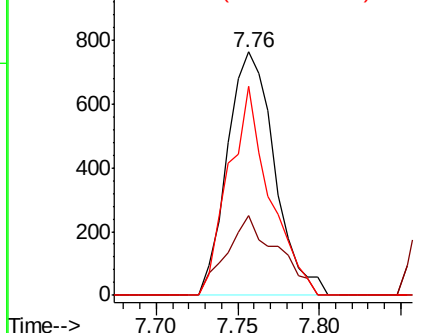


Abundance

Ion 88.00 (87.70 to 88.70): VX0

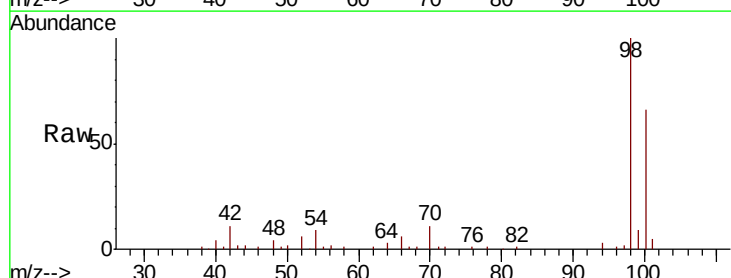
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 5.28 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

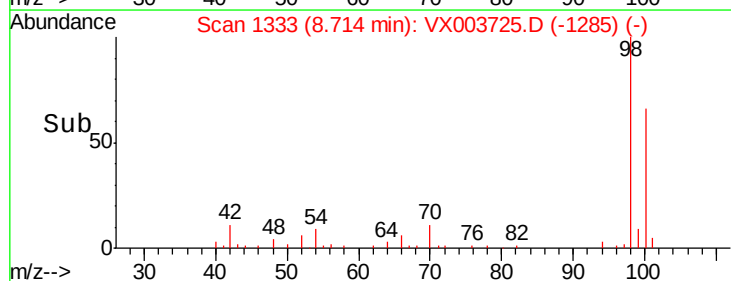
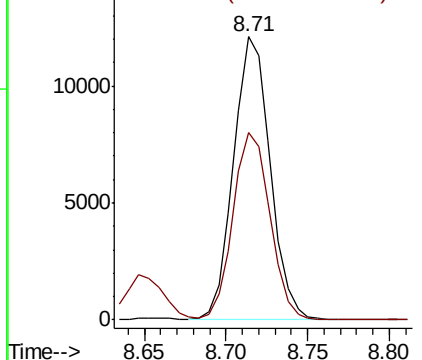
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.4	77.0

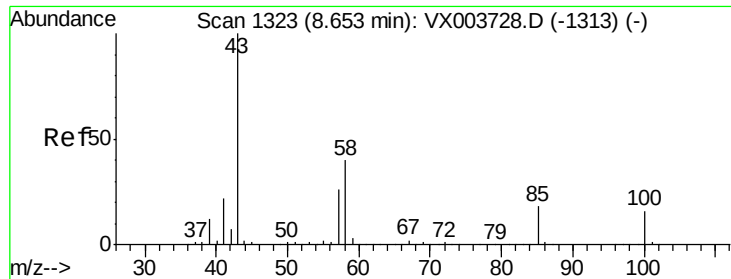


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





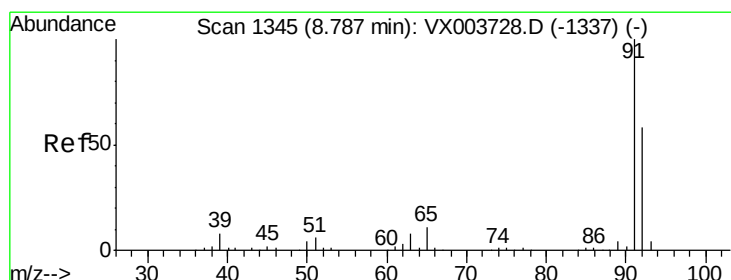
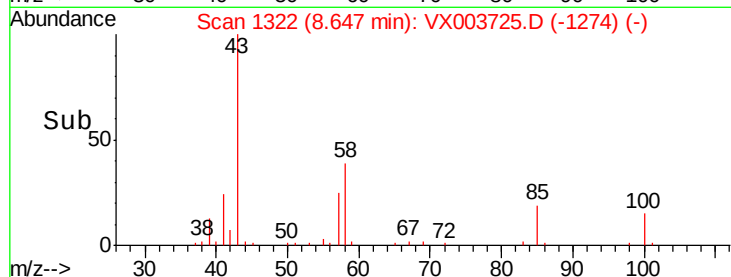
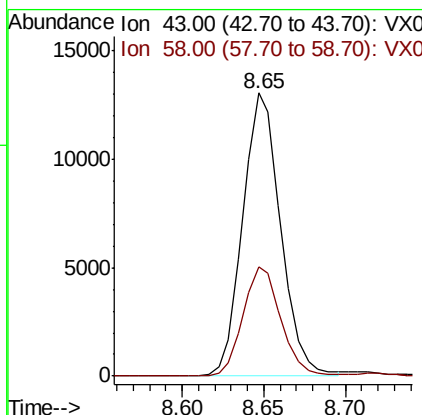
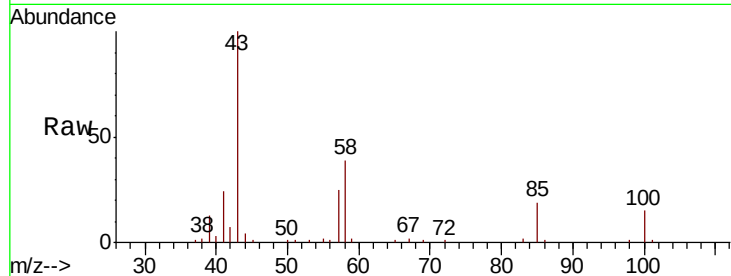
#51
4-Methyl-2-Pentanone
Concen: 20.49 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	32.1	48.1

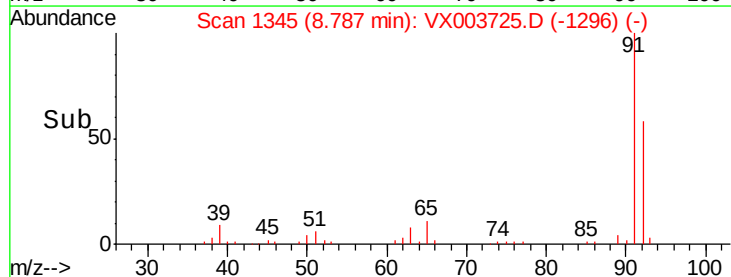
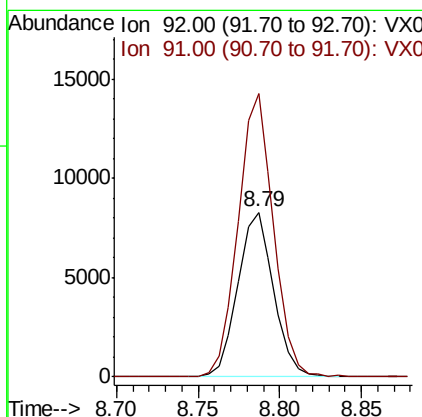
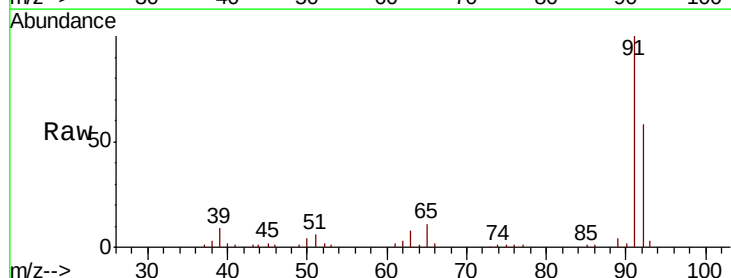
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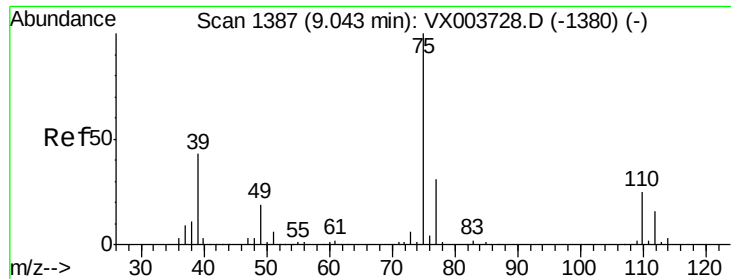
MMDadoda
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#52
Toluene
Concen: 5.14 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	139.4	209.2





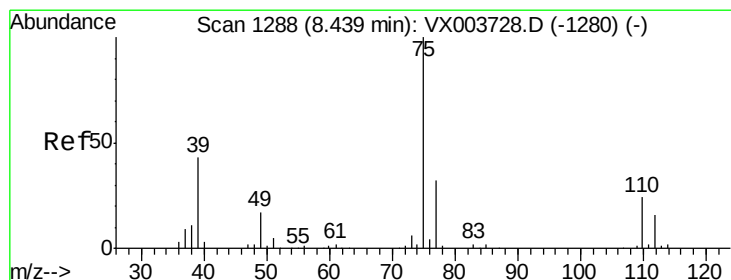
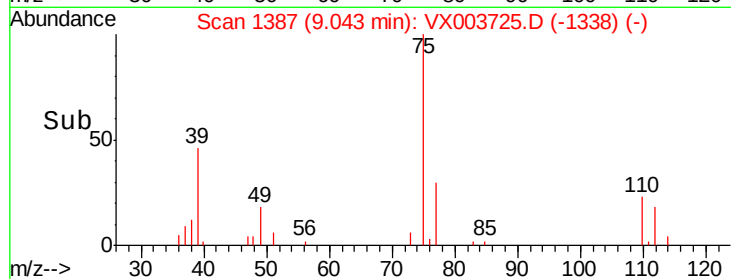
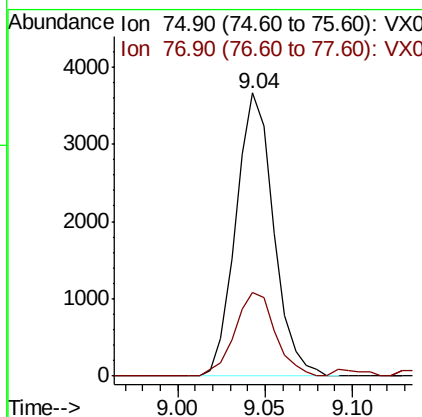
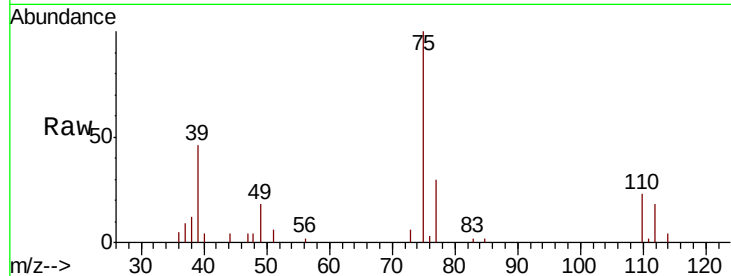
#53
t-1,3-Dichloropropene
Concen: 4.33 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 5492
Ion Ratio Lower Upper
75 100
77 29.8 24.9 37.3

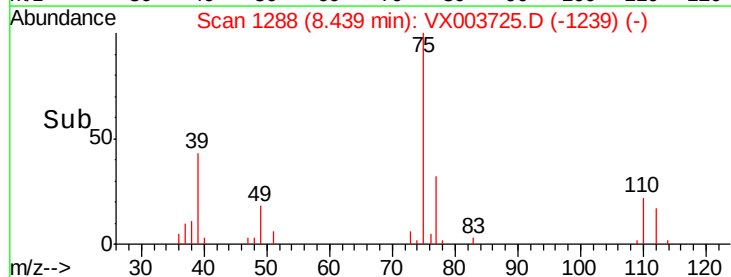
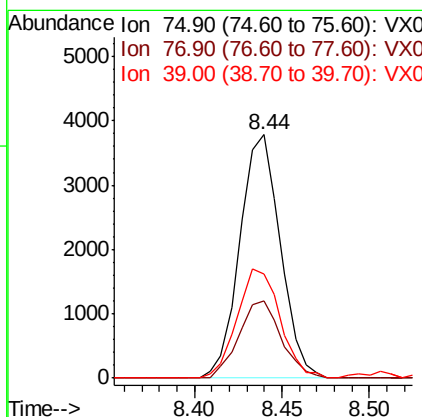
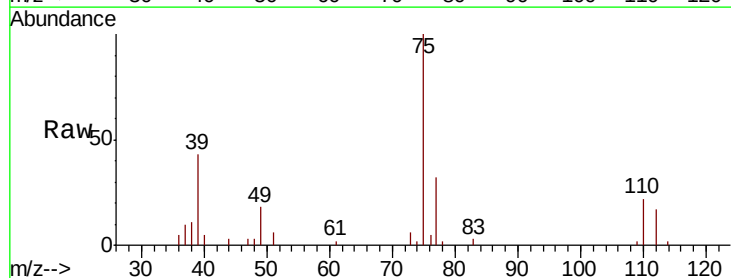
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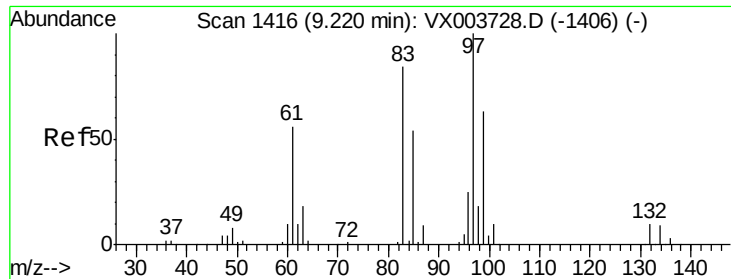
MMDadoda
7/31/2018 1:39:48 PM



#54
cis-1,3-Dichloropropene
Concen: 4.32 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion: 75 Resp: 6096
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 42.9 34.1 51.1





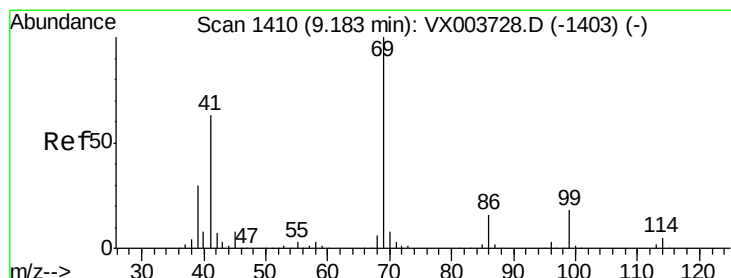
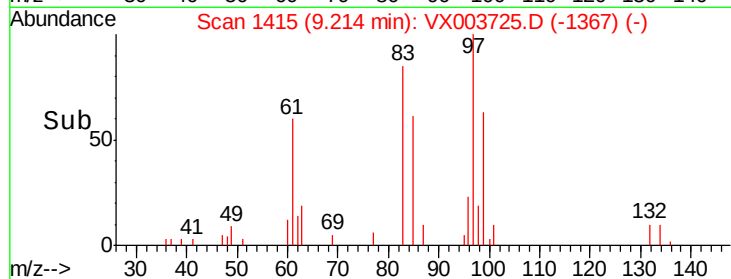
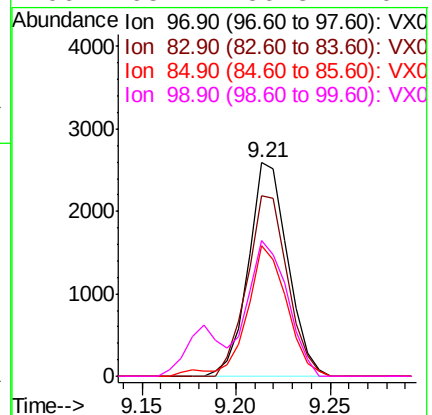
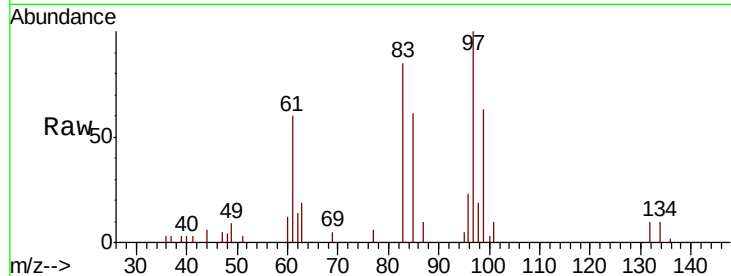
#55
 1,1,2-Trichloroethane
 Concen: 4.45 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	3754
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.0
85	60.9	43.3	64.9
99	63.2	50.8	76.2

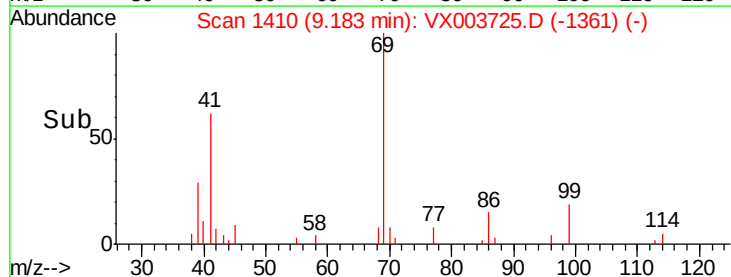
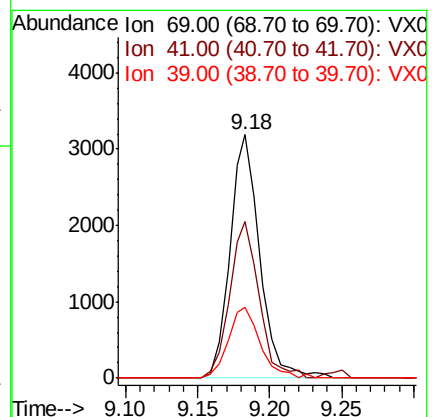
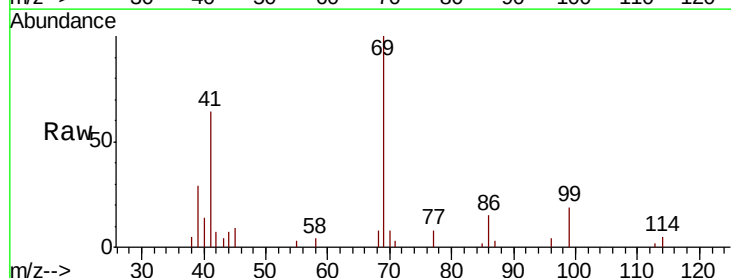
Manual Integrations
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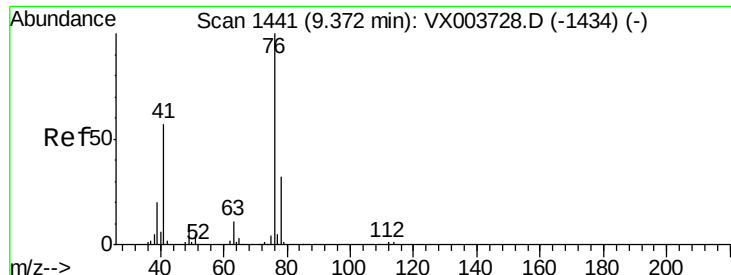
MMDadoda
 7/31/2018 1:39:48 PM



#56
 Ethyl methacrylate
 Concen: 3.98 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion:	69	Resp:	4605
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.6	77.4
39	31.6	25.1	37.7





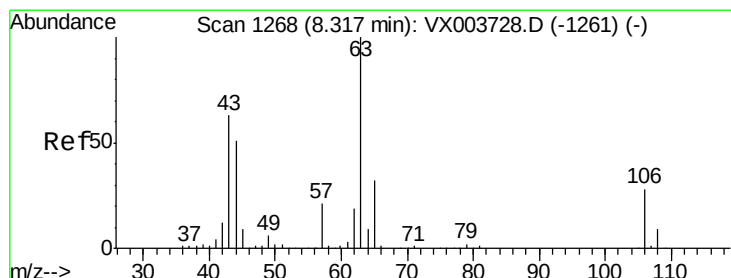
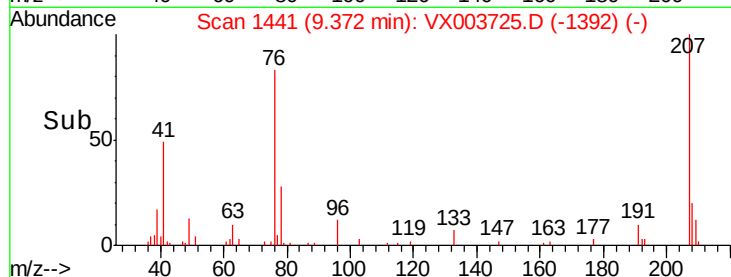
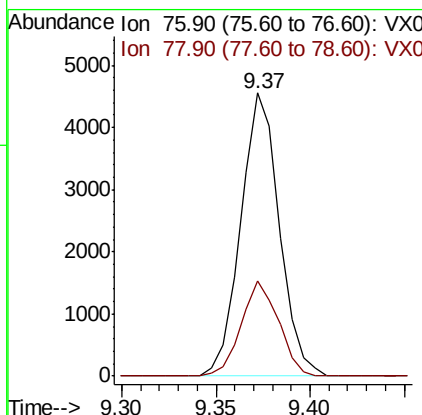
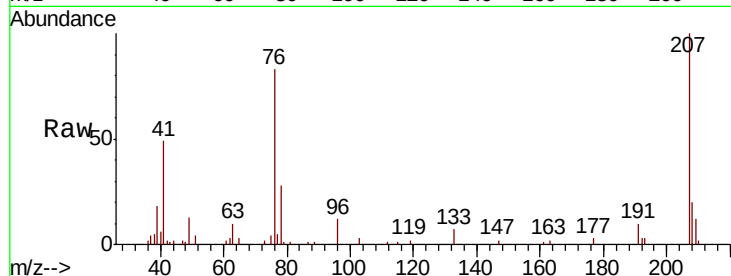
#57
 1,3-Dichloropropane
 Concen: 4.55 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 6447
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

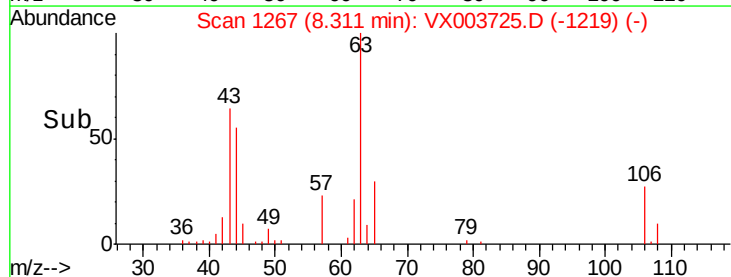
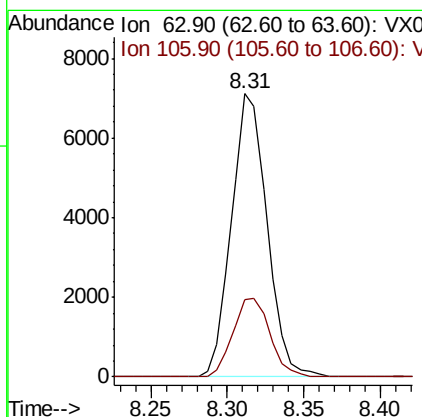
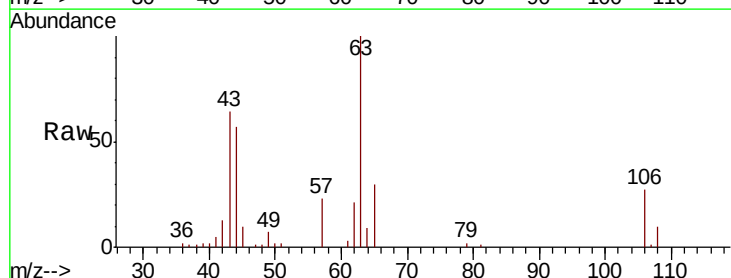
Manual Integrations
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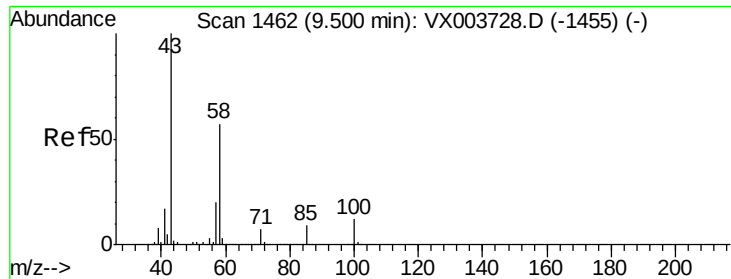
MMDadoda
 7/31/2018 1:39:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.65 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion: 63 Resp: 11444
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.5 33.7





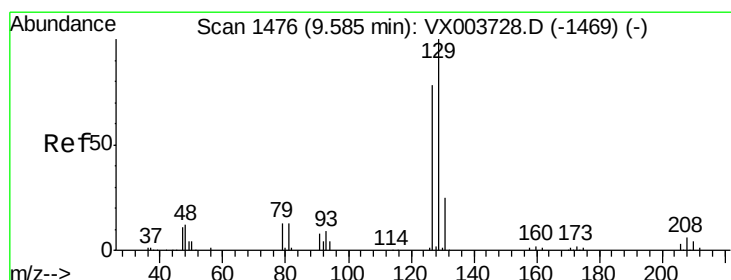
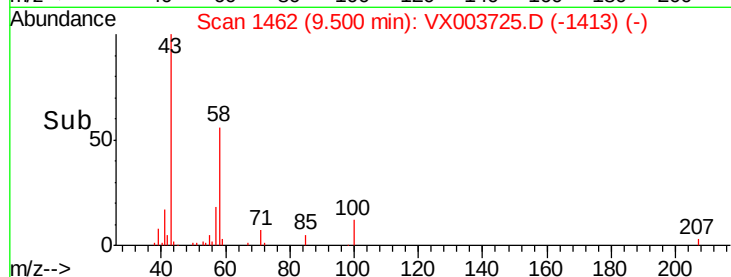
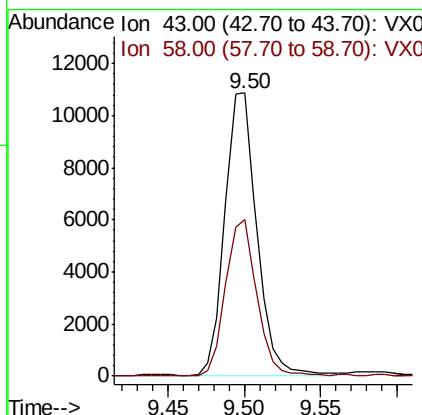
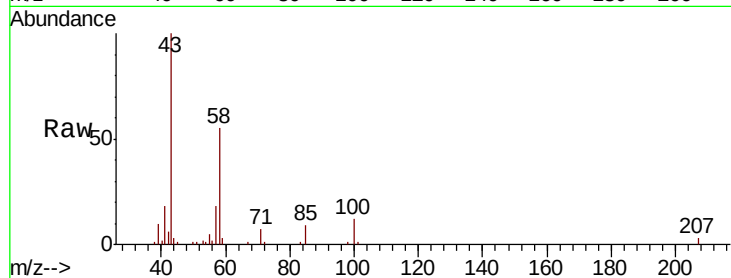
#59
2-Hexanone
Concen: 20.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	28.0	83.9

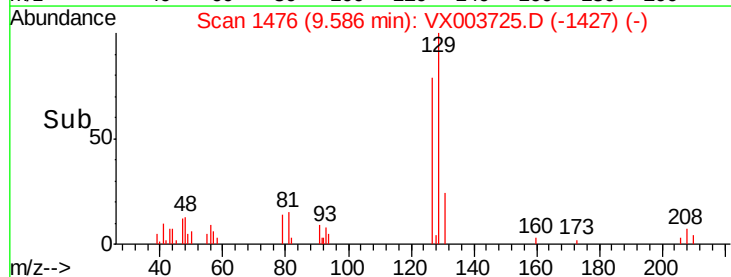
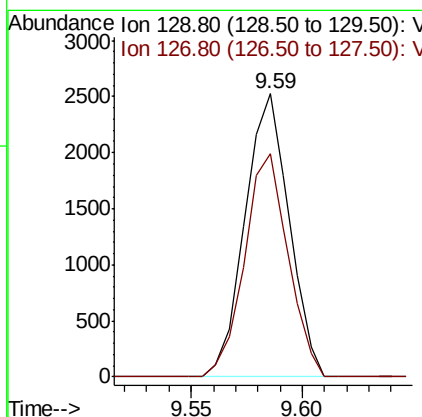
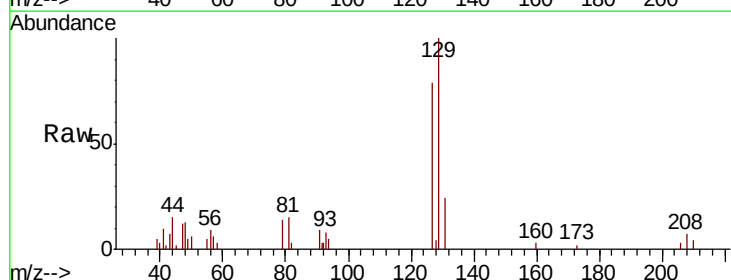
Manual Integrations
APPROVED

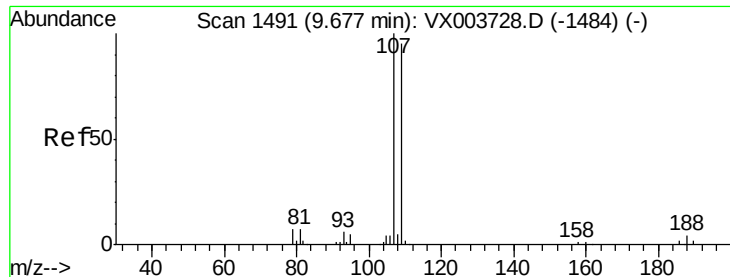
MMDadoda
7/31/2018 1:39:48 PM



#60
Dibromochloromethane
Concen: 4.11 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4





#61

1,2-Dibromoethane

Concen: 4.44 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 3824

Ion Ratio Lower Upper

107 100

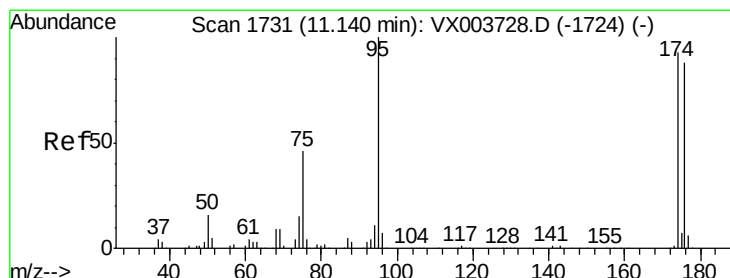
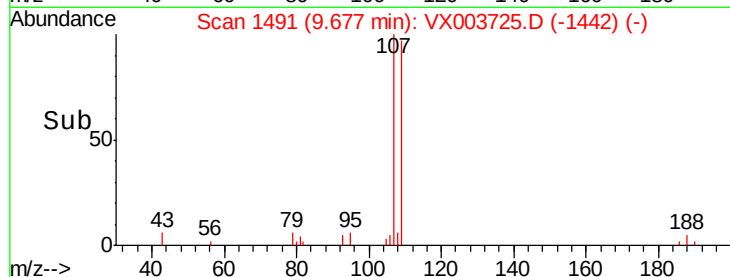
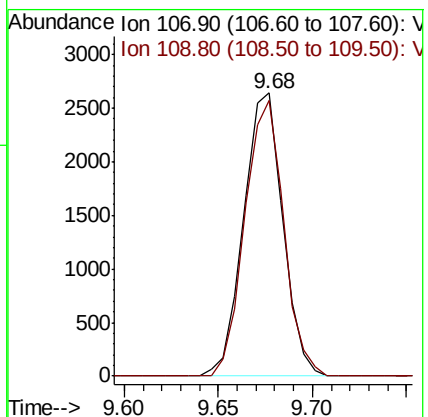
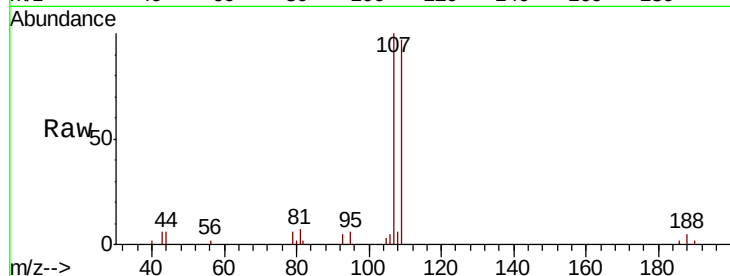
109 96.2 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

7/31/2018 1:39:48 PM



#62

4-Bromofluorobenzene

Concen: 5.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

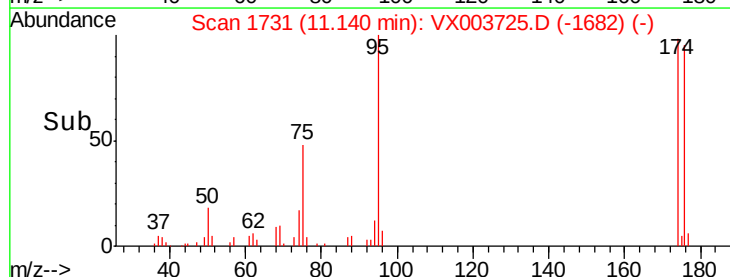
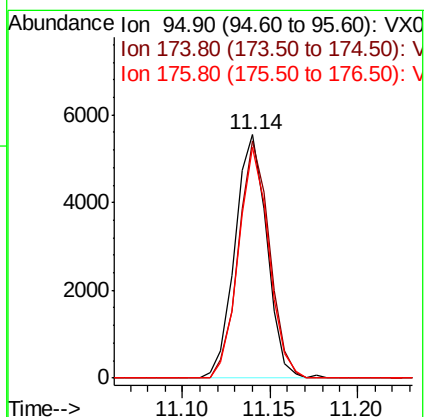
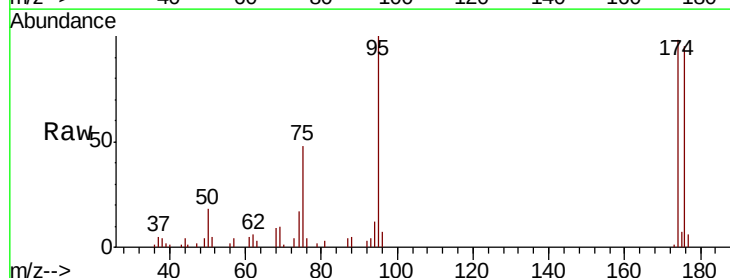
Tgt Ion: 95 Resp: 7018

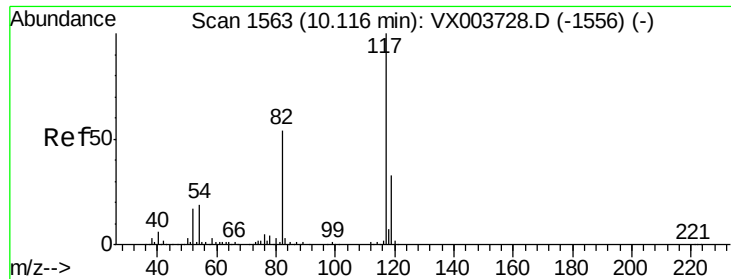
Ion Ratio Lower Upper

95 100

174 94.8 0.0 186.2

176 90.8 0.0 179.2





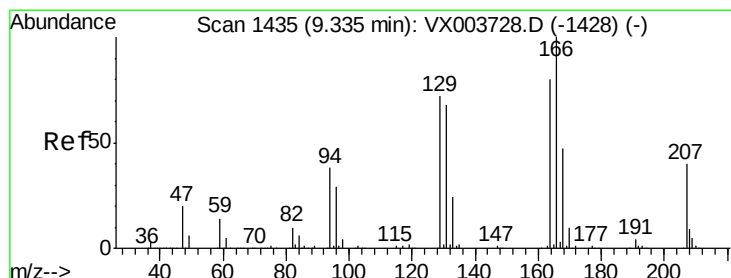
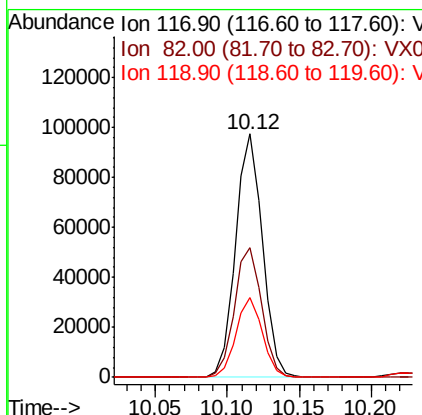
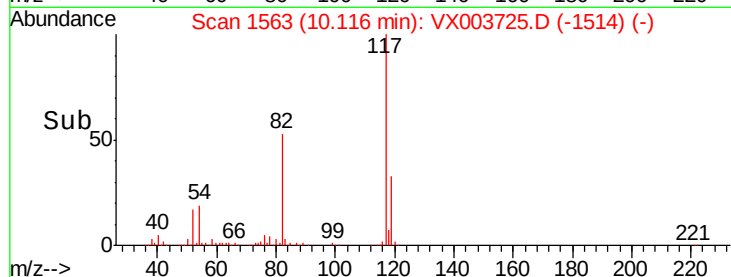
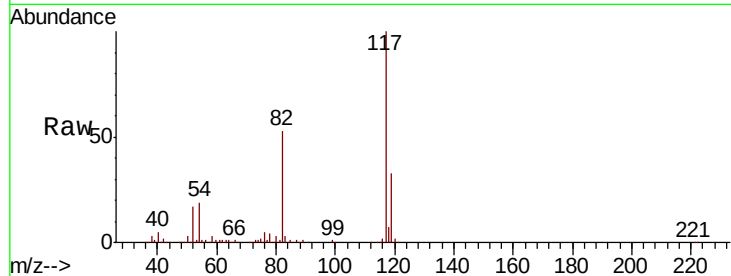
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	127123		
82	53.0	43.2	64.8	
119	32.5	26.3	39.5	

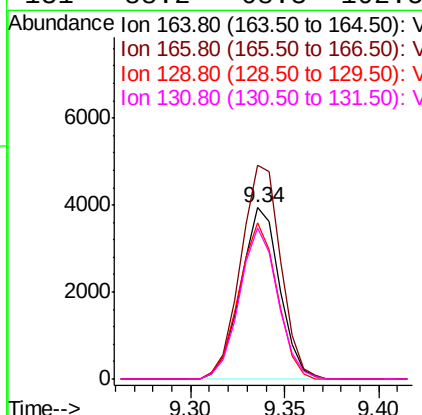
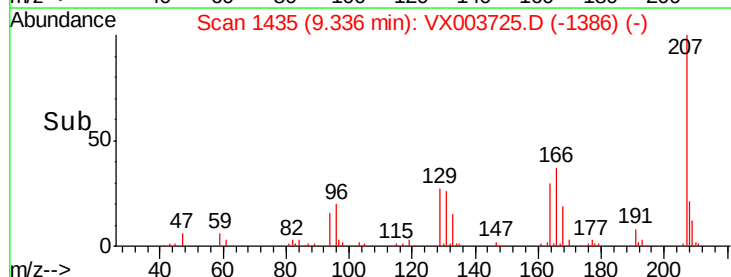
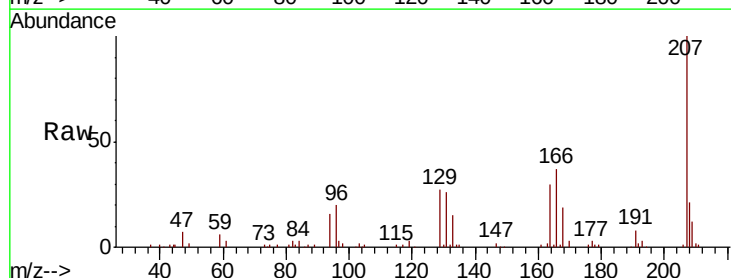
Manual Integrations
APPROVED

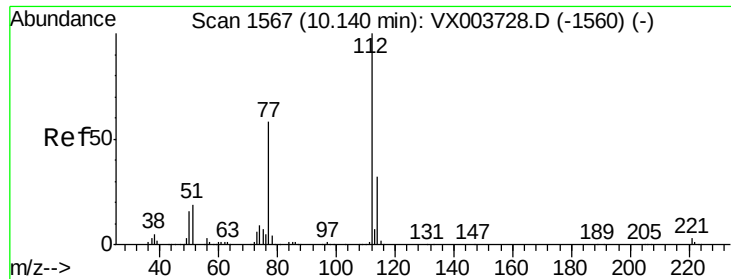
MMDadoda
7/31/2018 1:39:48 PM



#64
Tetrachloroethene
Concen: 5.67 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5662		
166	124.6	100.4	150.6	
129	91.4	71.8	107.8	
131	88.2	68.3	102.5	





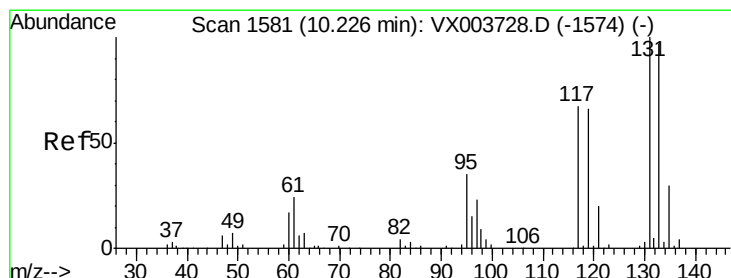
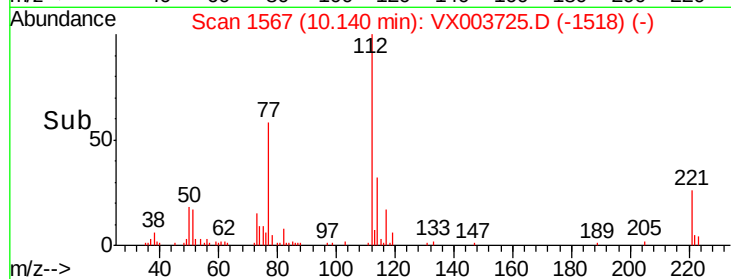
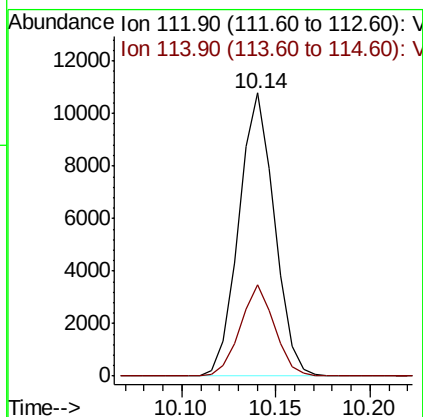
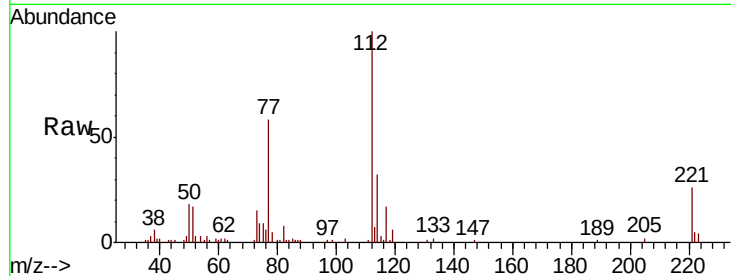
#65
Chlorobenzene
Concen: 5.31 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 14095
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

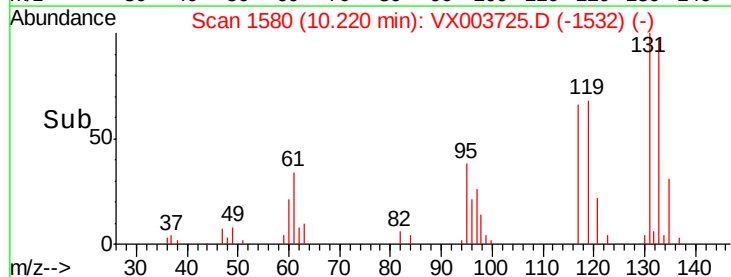
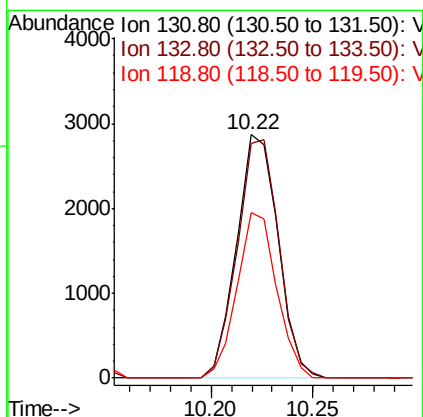
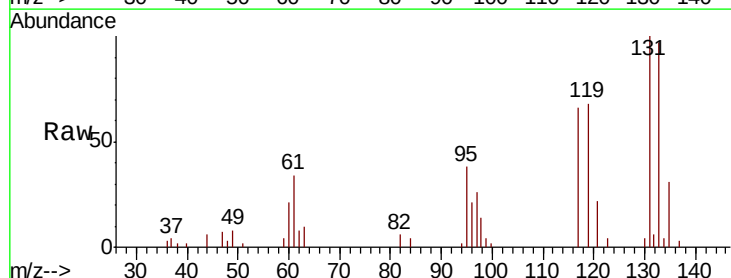
Manual Integrations
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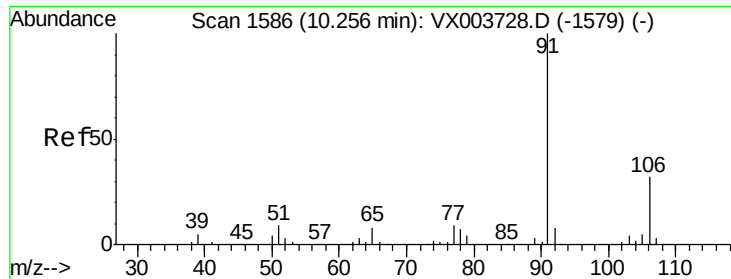
MMDadoda
7/31/2018 1:39:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.67 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion:131 Resp: 4043
Ion Ratio Lower Upper
131 100
133 99.1 47.6 142.9
119 65.1 32.8 98.3





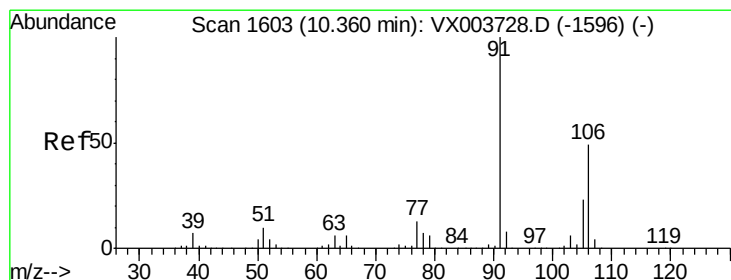
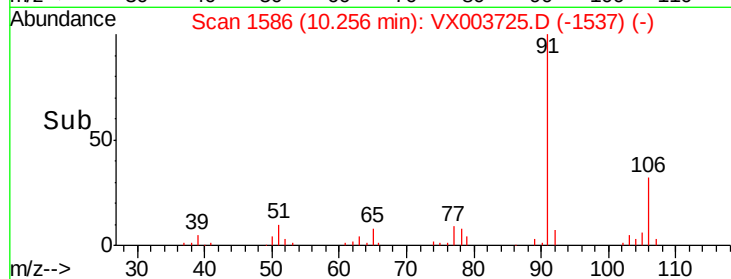
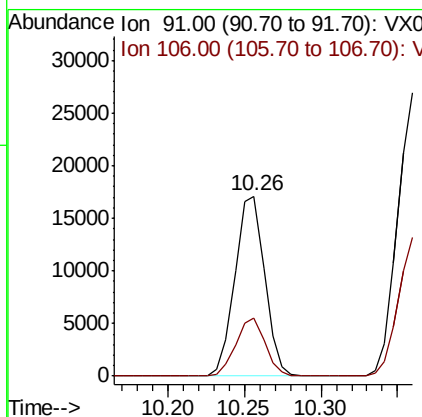
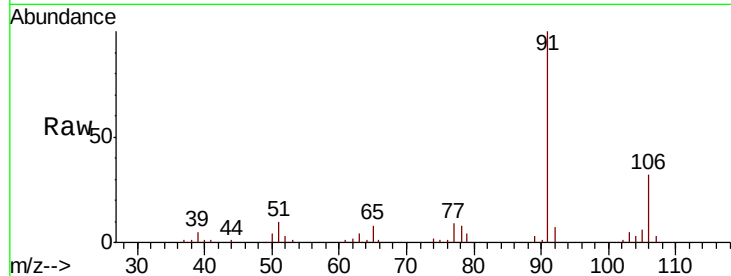
#67
Ethyl Benzene
Concen: 5.17 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 23180
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

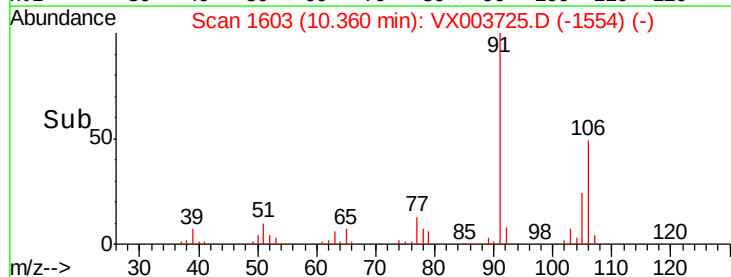
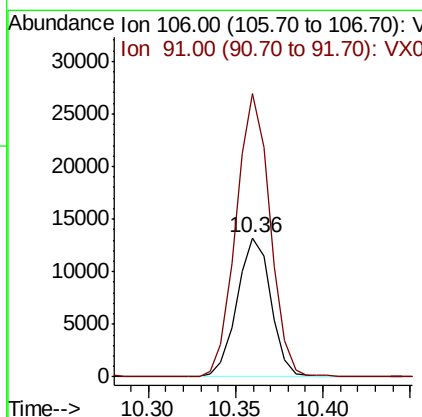
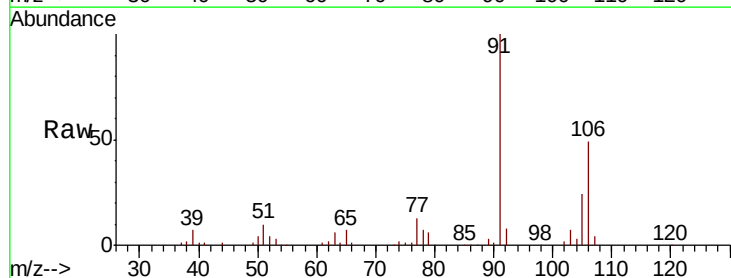
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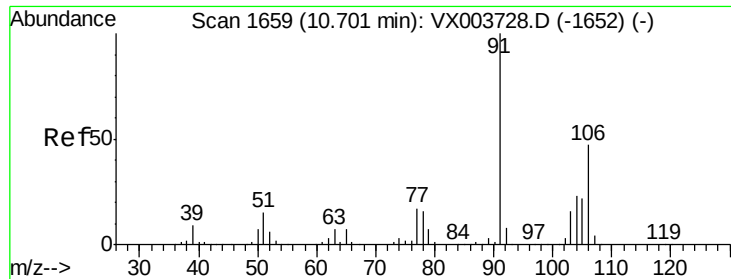
MMDadoda
7/31/2018 1:39:48 PM



#68
m/p-Xylenes
Concen: 10.15 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion: 106 Resp: 17814
Ion Ratio Lower Upper
106 100
91 204.7 159.8 239.8





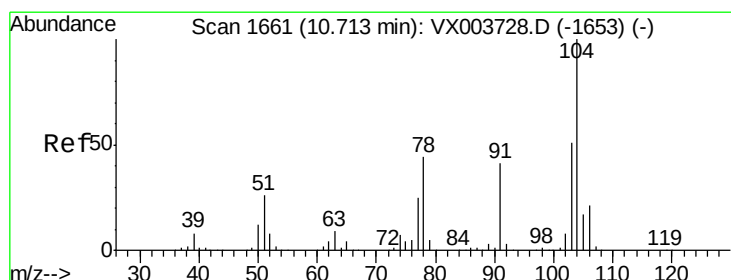
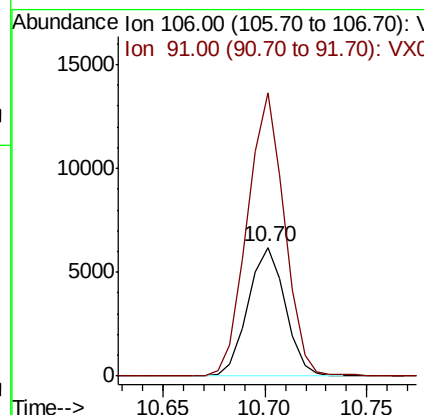
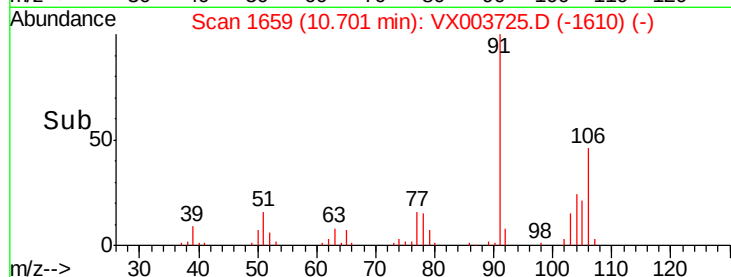
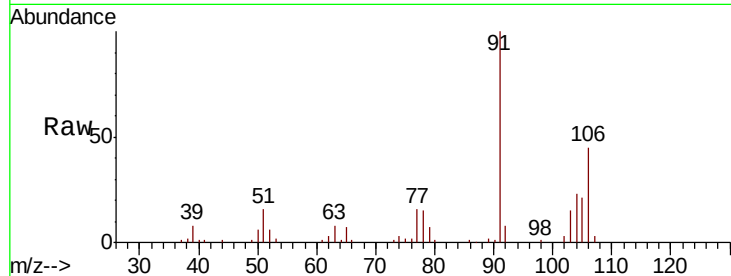
#69
o-Xylene
Concen: 4.82 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.6	105.6	316.8

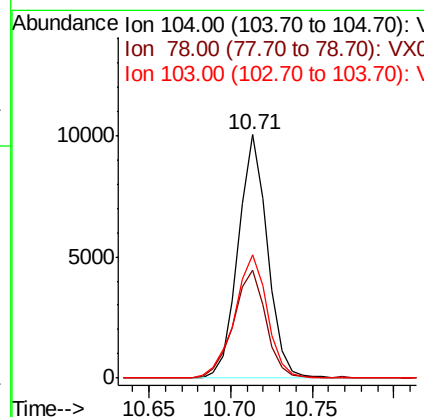
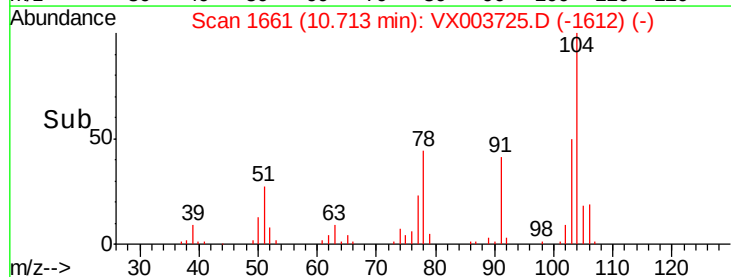
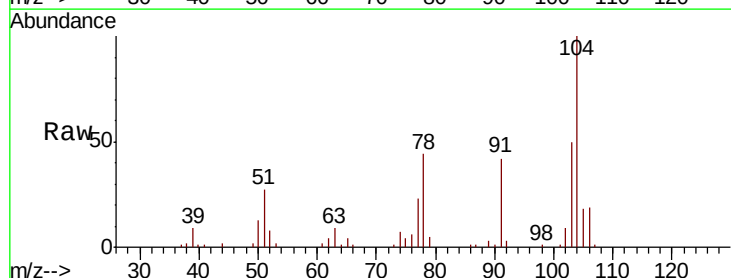
Manual Integrations
APPROVED

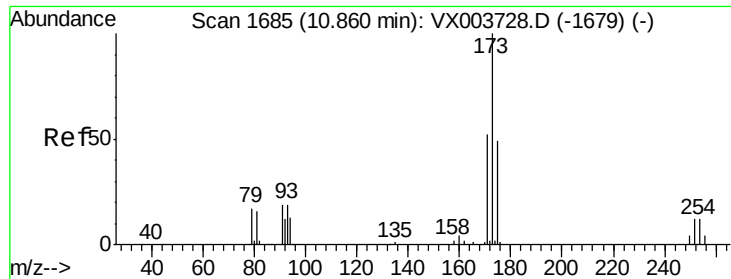
MMDadoda
7/31/2018 1:39:48 PM



#70
Styrene
Concen: 4.57 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.2	57.2
103	56.4	44.5	66.7





#71

Bromoform

Concen: 4.00 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

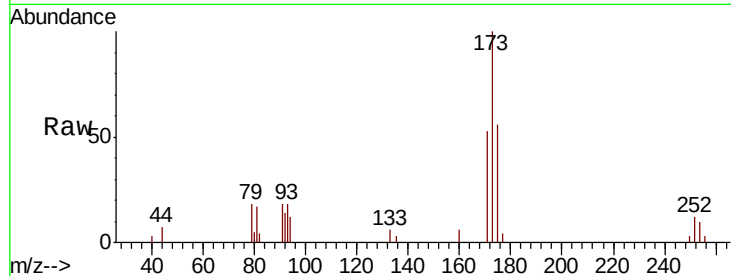
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	55.3	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
7/31/2018 1:39:48 PM

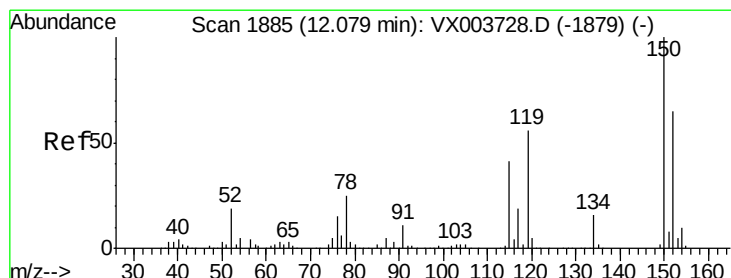
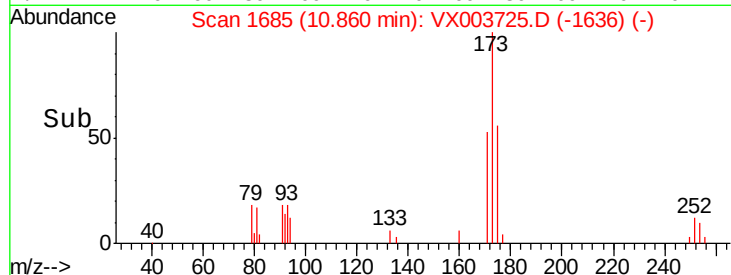
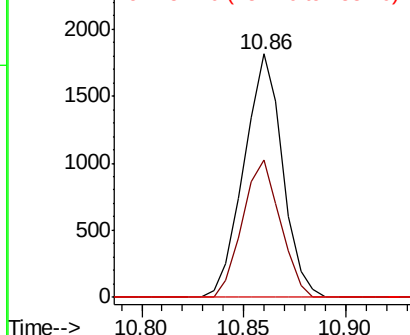


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

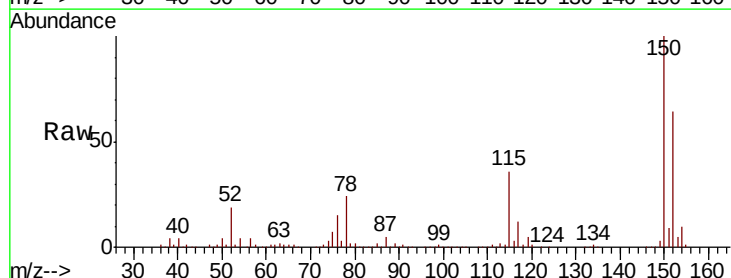
RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	38.5	115.3
150	156.4	0.0	346.2

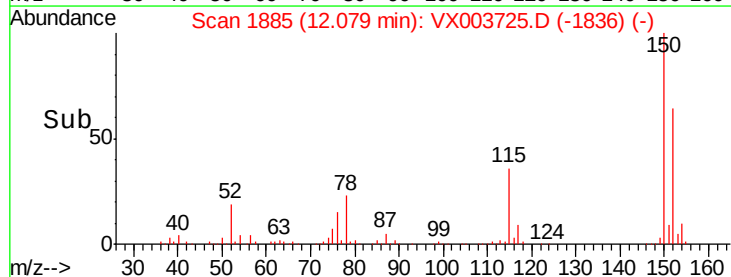
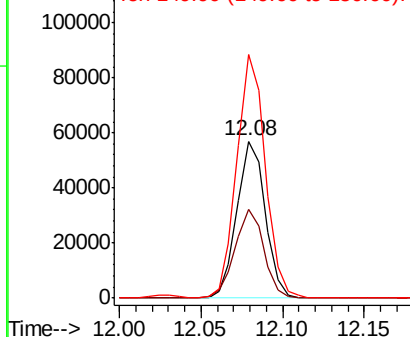


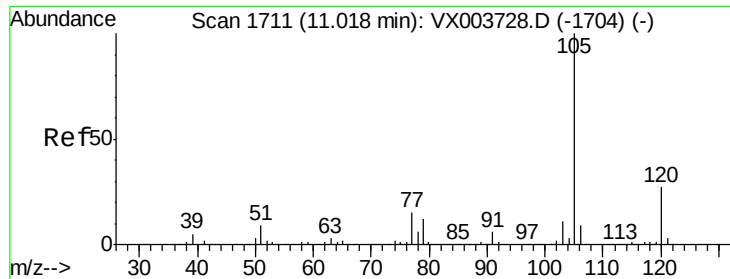
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





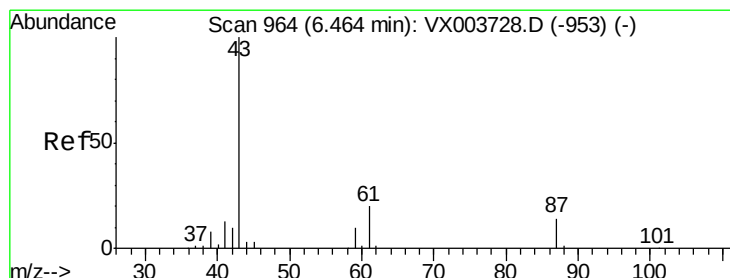
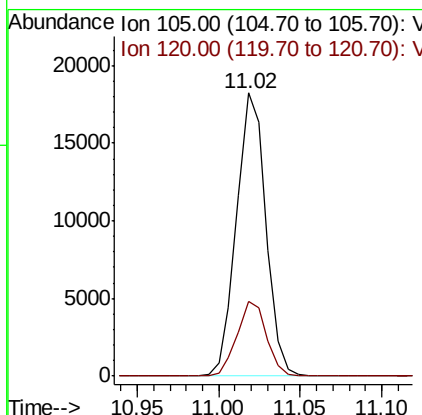
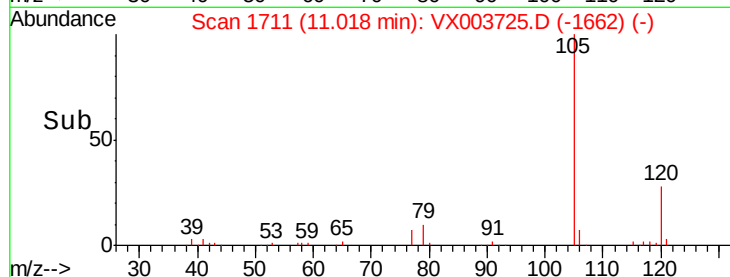
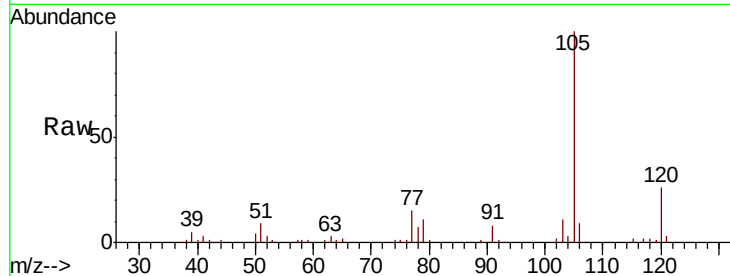
#73
Isopropylbenzene
Concen: 5.32 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.5

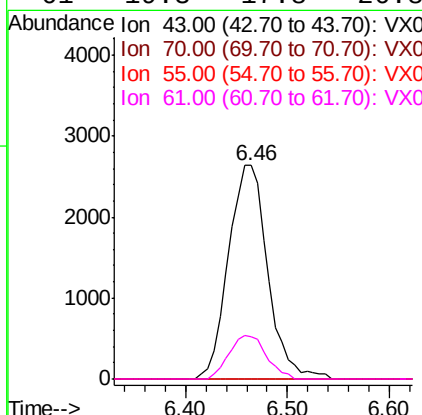
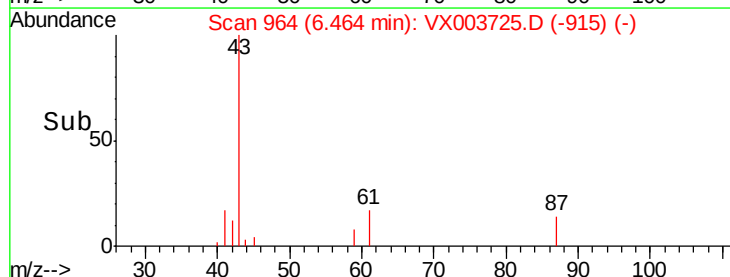
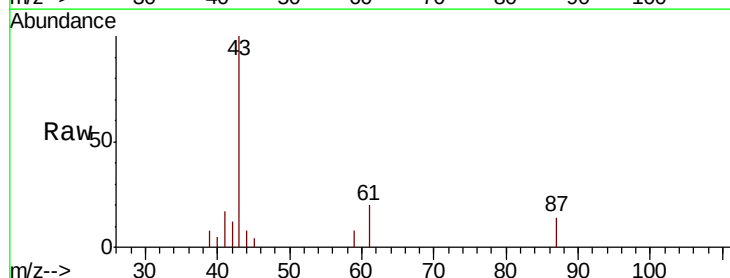
Manual Integrations
APPROVED

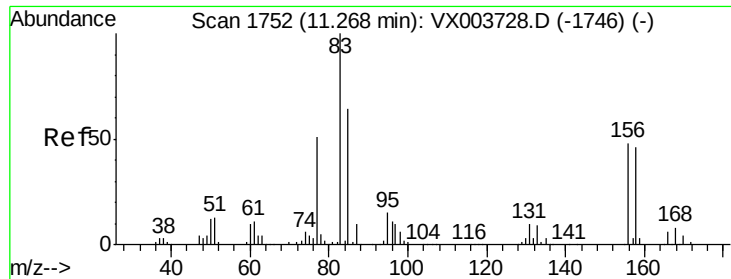
MMDadoda
7/31/2018 1:39:48 PM



#74
N-ethyl acetate
Concen: 5.14 ug/l
RT: 6.46 min Scan# 964
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.0	46.6#
55	0.0	18.9	28.3#
61	19.3	17.8	26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.68 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

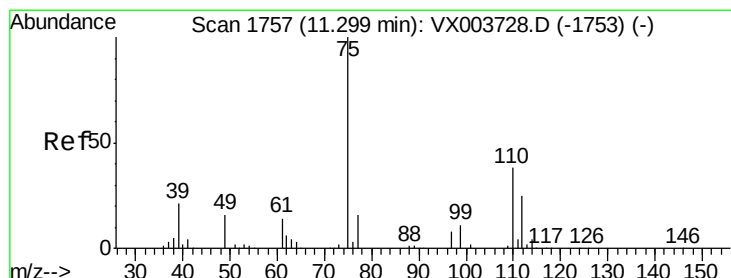
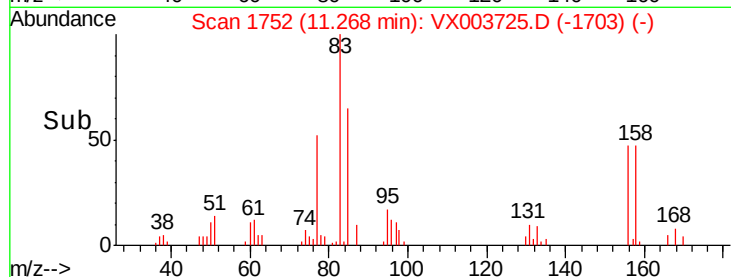
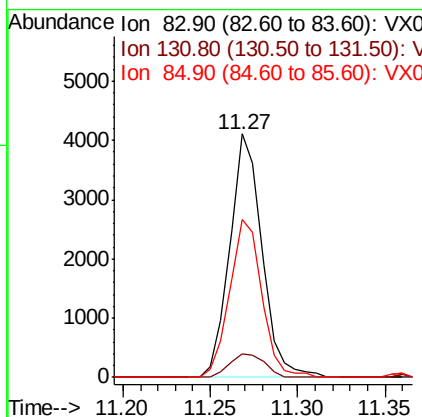
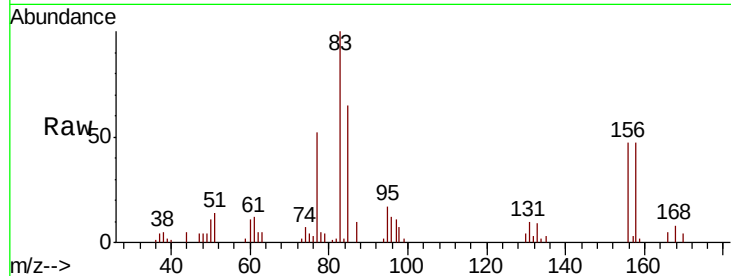
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	5252
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	65.3	32.0	96.2

Manual Integrations
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MMDadoda
7/31/2018 1:39:48 PM



#76

1,2,3-Trichloropropane

Concen: 4.68 ug/l m

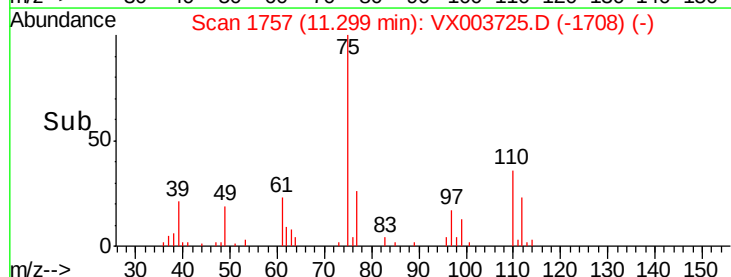
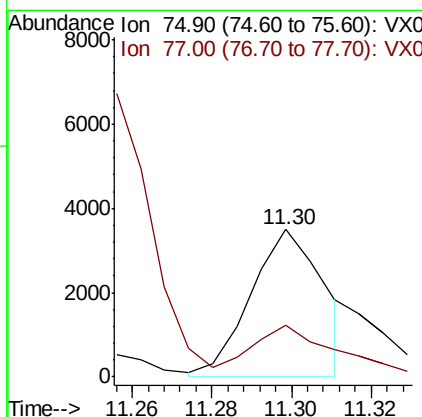
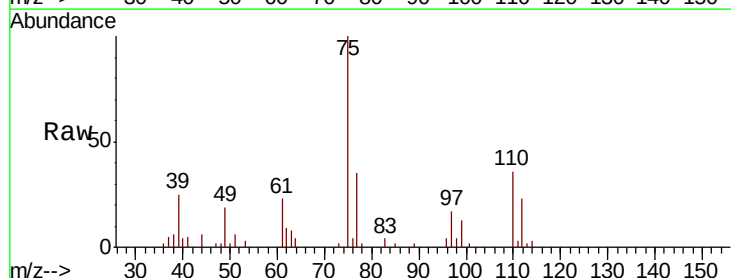
RT: 11.30 min Scan# 1757

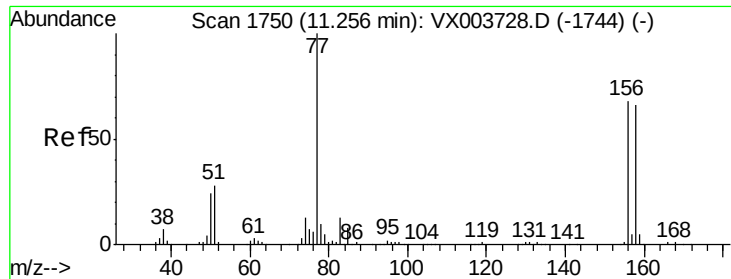
Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Tgt Ion:	75	Resp:	4442
Ion	Ratio	Lower	Upper
75	100		
77	42.7	21.6	65.0





#77

Bromobenzene

Concen: 5.18 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 5830

Ion Ratio Lower Upper

156 100

77 146.7 71.8 215.3

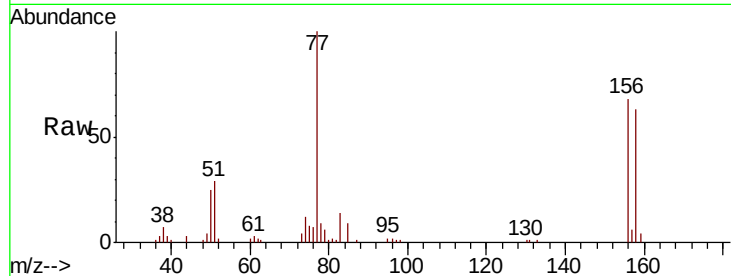
158 96.4 48.8 146.4

Manual Integrations

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MMDadoda

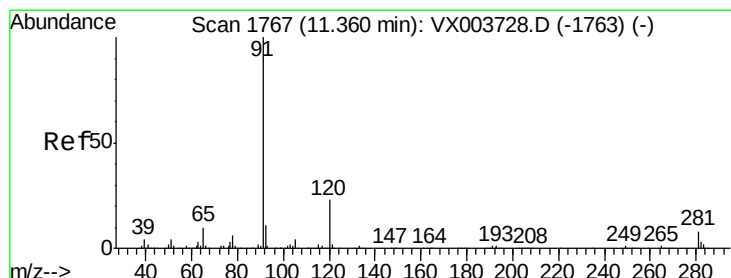
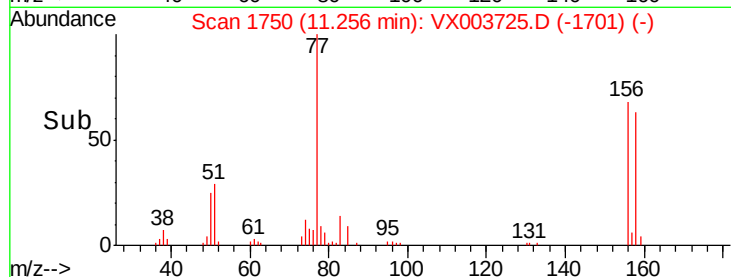
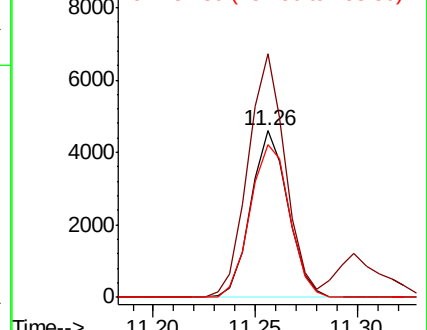
7/31/2018 1:39:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.46 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003725.D

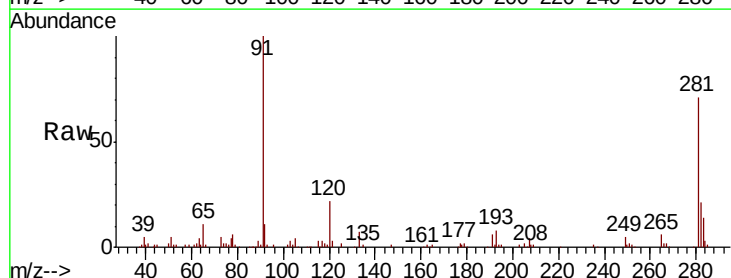
Acq: 30 Jul 2018 15:59

Tgt Ion: 91 Resp: 28564

Ion Ratio Lower Upper

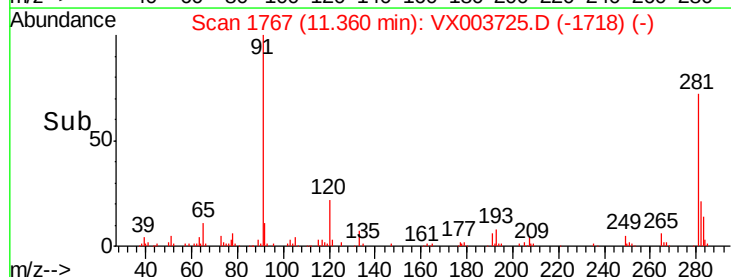
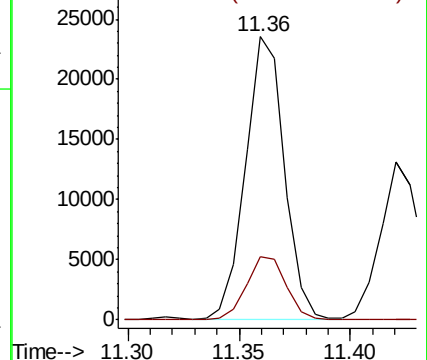
91 100

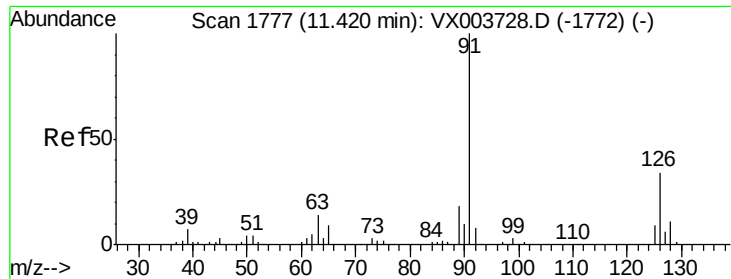
120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.44 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 16132

Ion Ratio Lower Upper

91 100

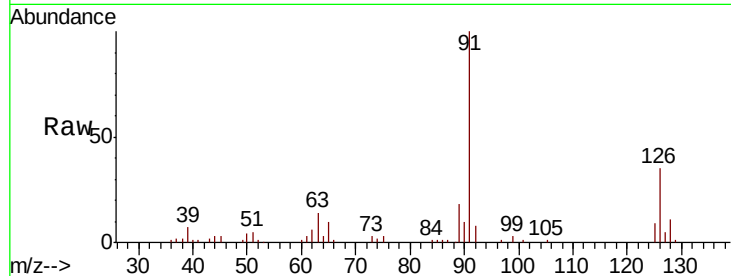
126 34.6 17.6 52.8

Manual Integrations

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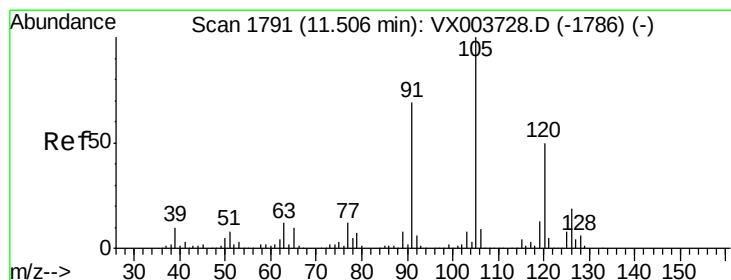
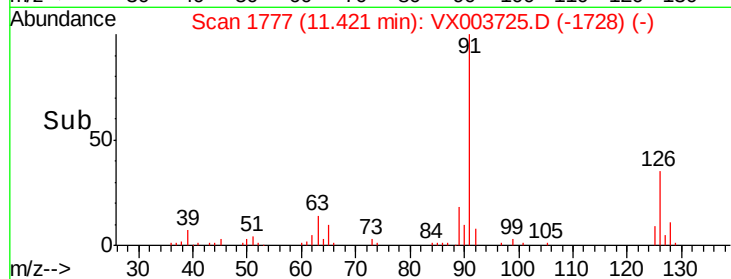
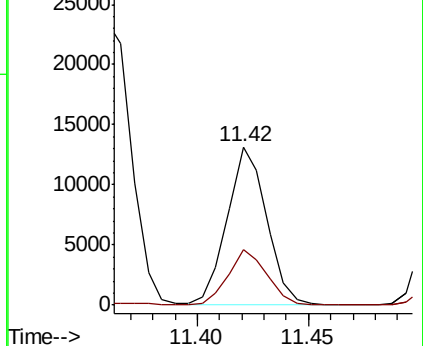
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.56 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003725.D

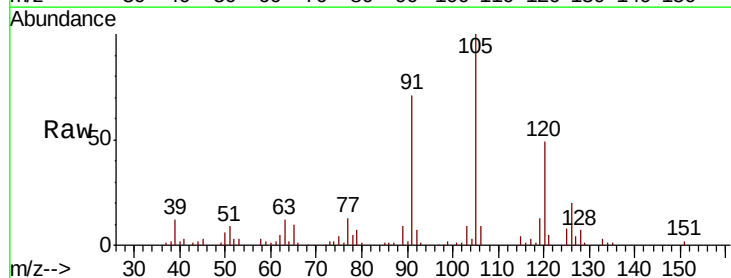
Acq: 30 Jul 2018 15:59

Tgt Ion:105 Resp: 19189

Ion Ratio Lower Upper

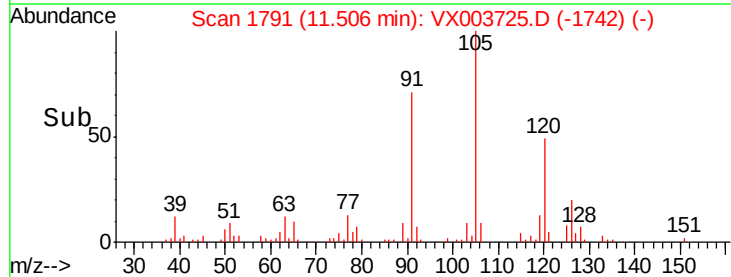
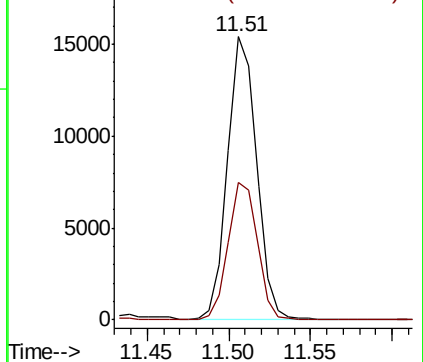
105 100

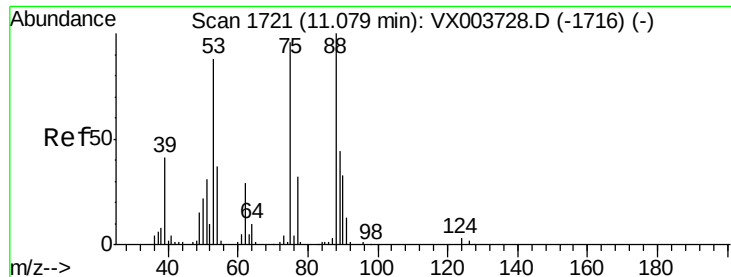
120 48.8 15.8 47.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





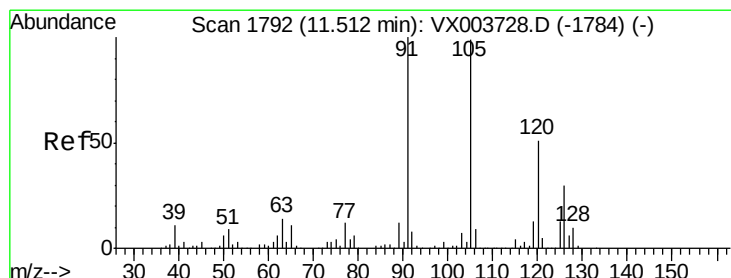
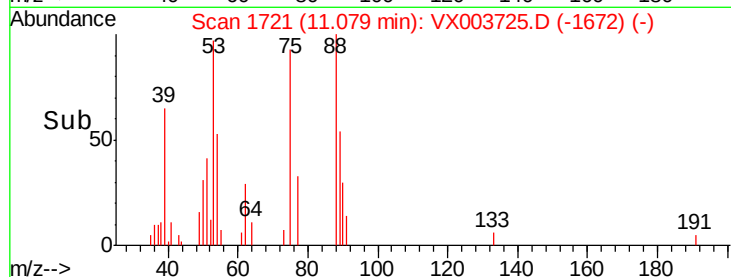
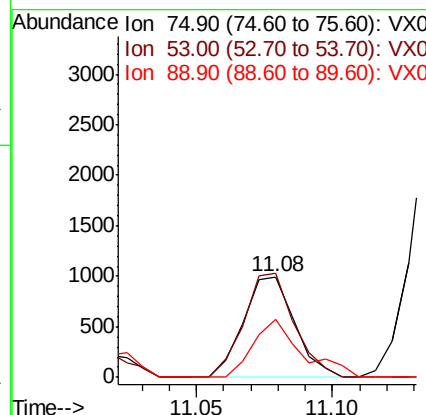
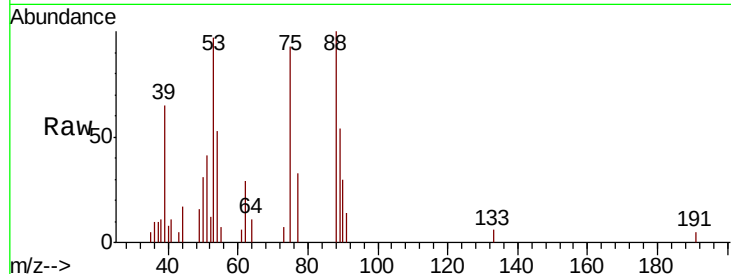
#81
trans-1,4-Dichloro-2-butene
Concen: 4.07 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	75.8	113.8
89	54.4	39.1	58.7

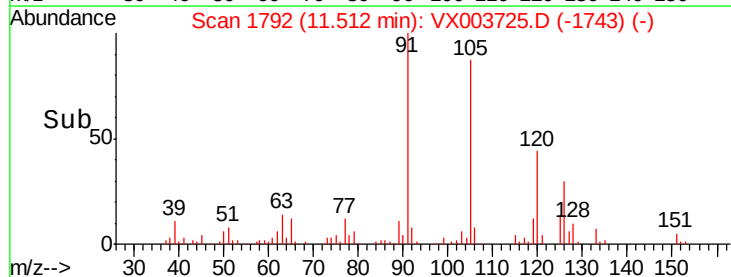
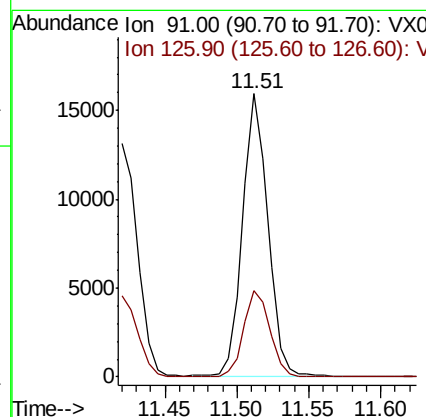
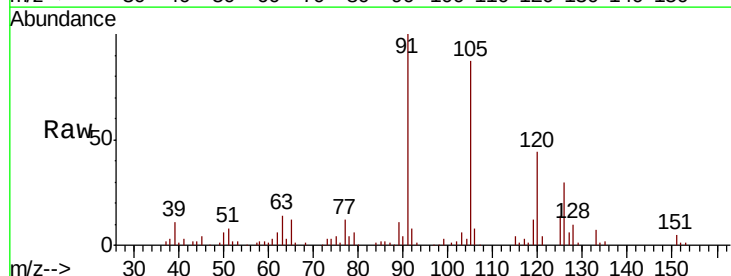
Manual Integrations
APPROVED

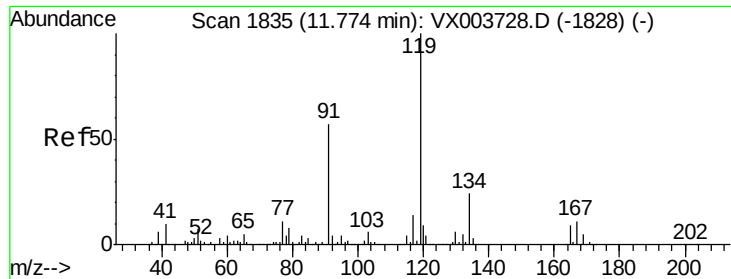
MMDadoda
7/31/2018 1:39:48 PM



#82
4-Chlorotoluene
Concen: 5.46 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7





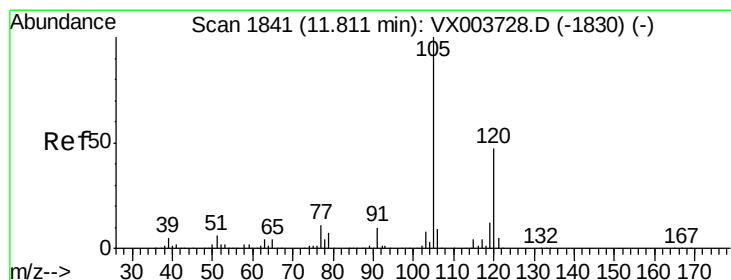
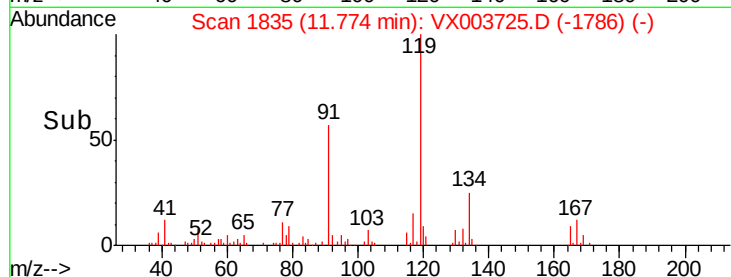
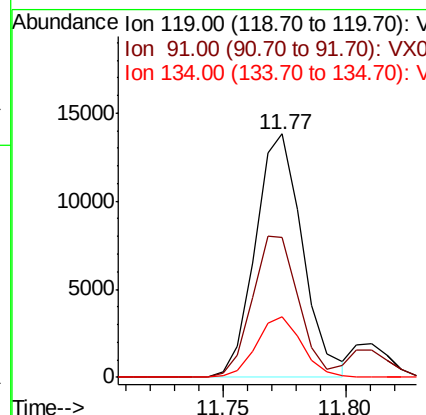
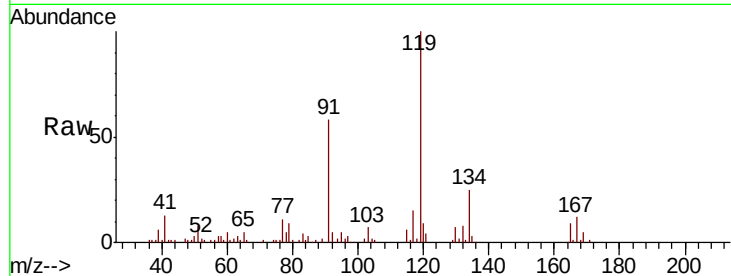
#83
 tert-Butylbenzene
 Concen: 5.13 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.2	81.6
134	23.9	11.6	34.8

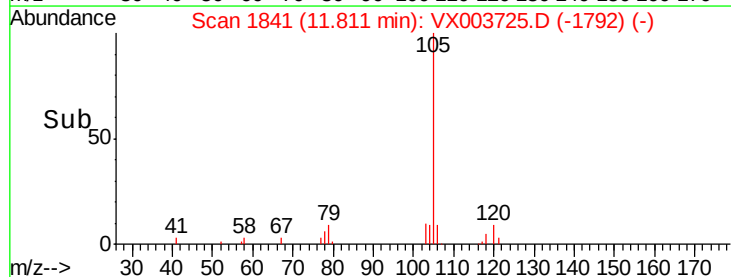
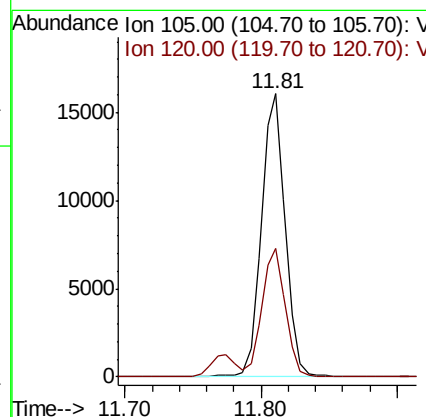
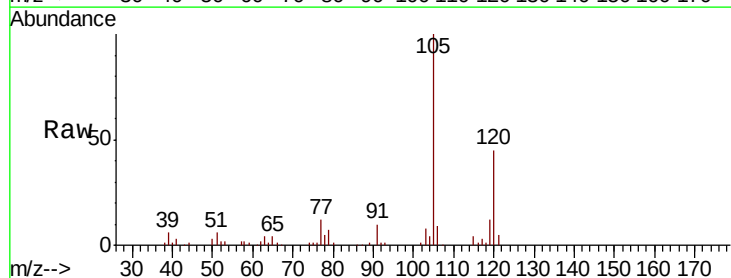
Manual Integrations
 APPROVED

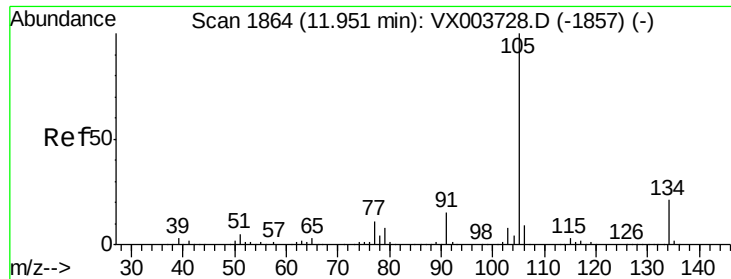
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 7/31/2018 1:39:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.20 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 5.35 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 24935

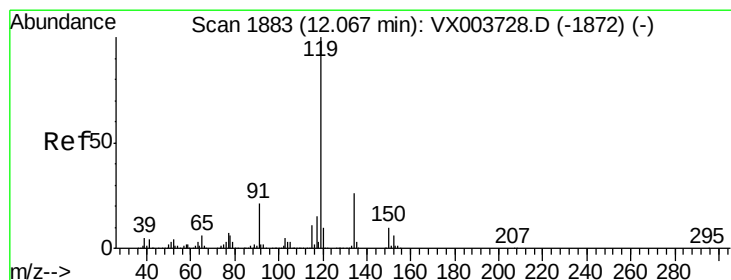
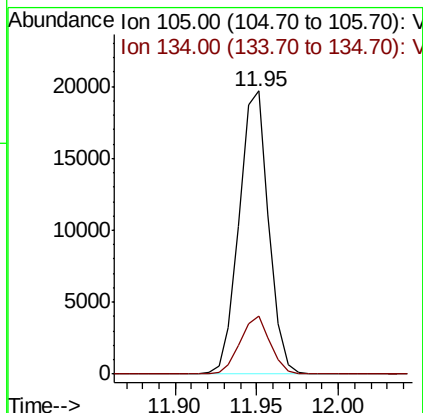
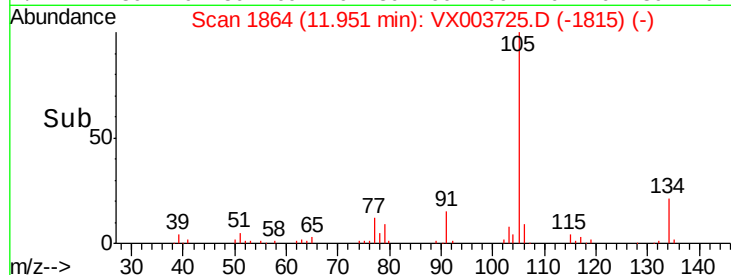
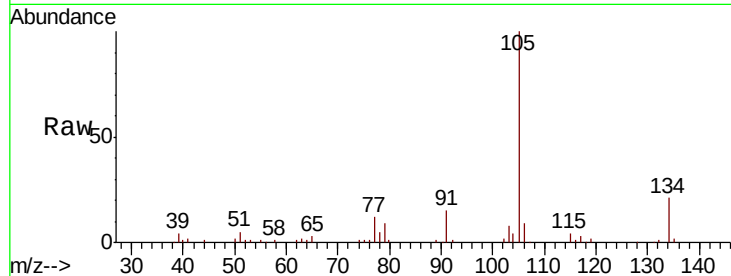
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8

Manual Integrations
APPROVED

MMDadoda
7/31/2018 1:39:48 PM



#86

p-Isopropyltoluene

Concen: 5.97 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003725.D

Acq: 30 Jul 2018 15:59

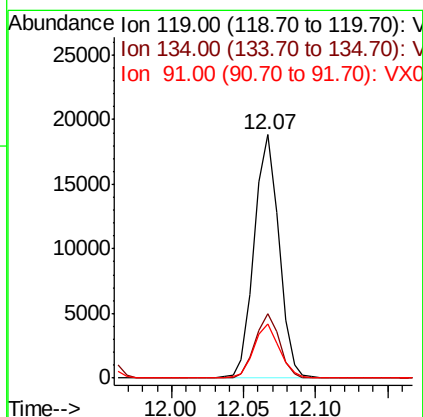
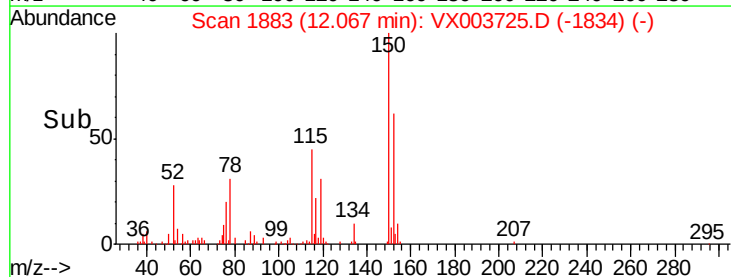
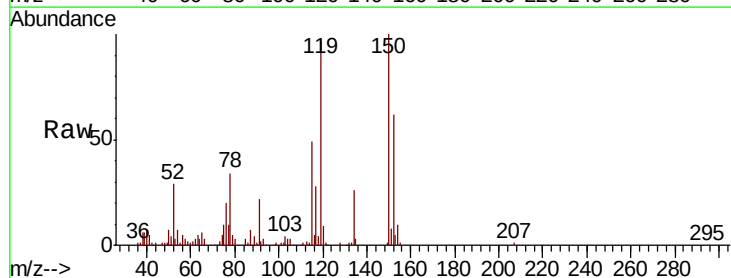
Tgt Ion:119 Resp: 22323

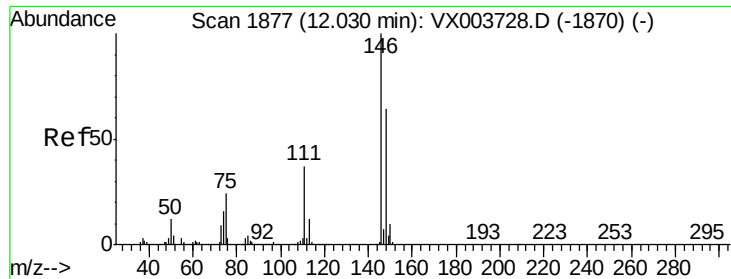
Ion Ratio Lower Upper

119 100

134 26.0 10.1 30.1

91 23.1 23.6 70.8#





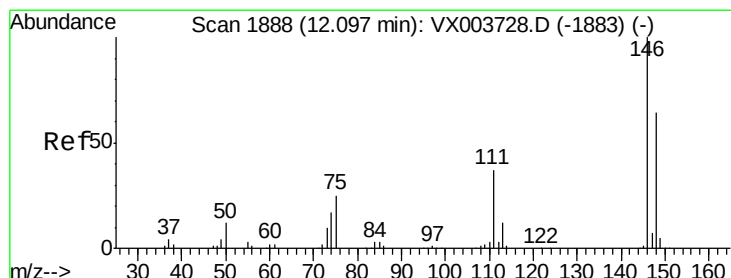
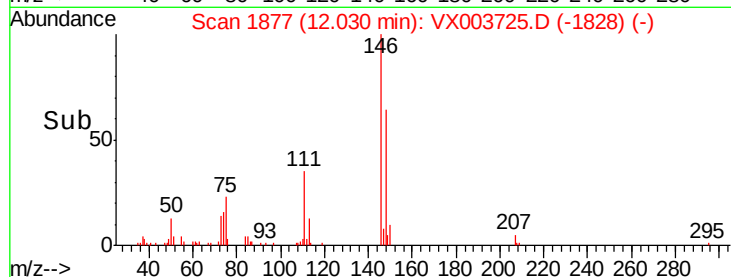
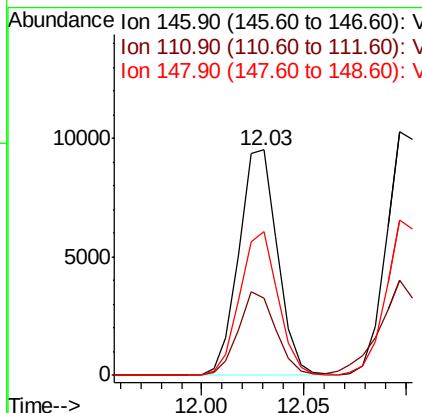
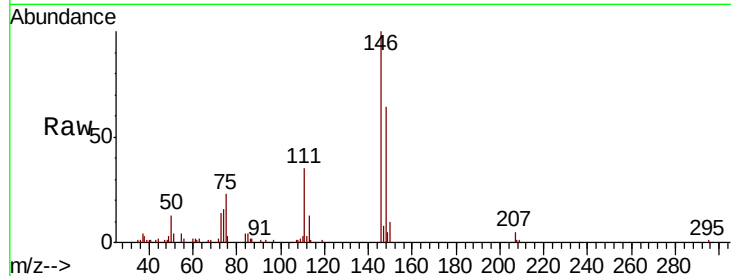
#87
 1,3-Dichlorobenzene
 Concen: 5.50 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	62.7	31.9	95.9

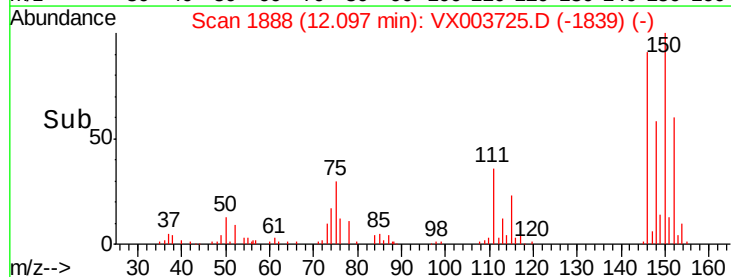
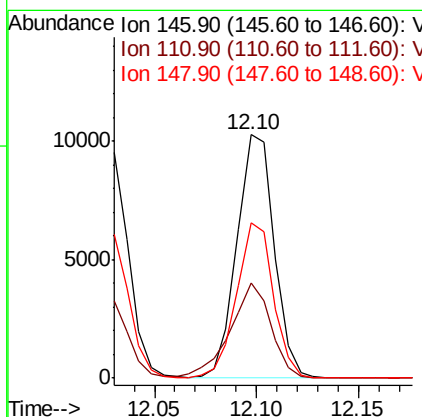
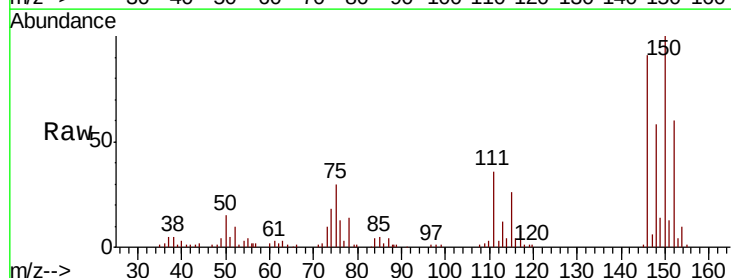
Manual Integrations
 APPROVED

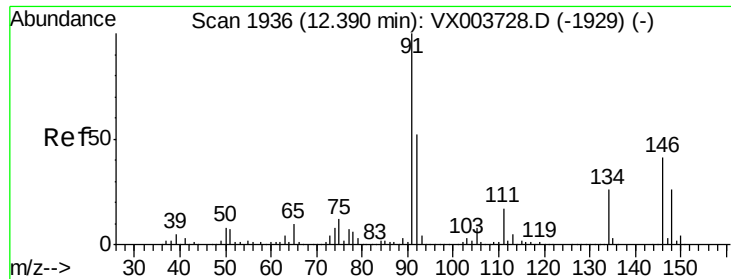
MMDadoda
 7/31/2018 1:39:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.63 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.3	54.9
148	63.0	32.0	96.2





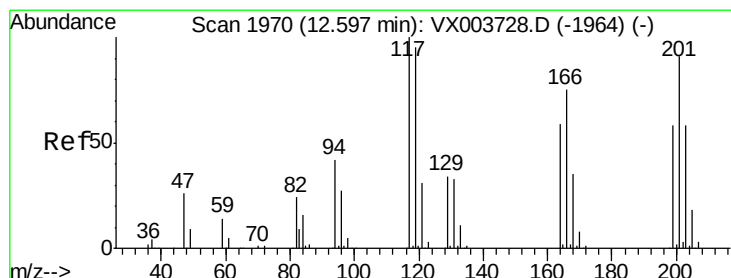
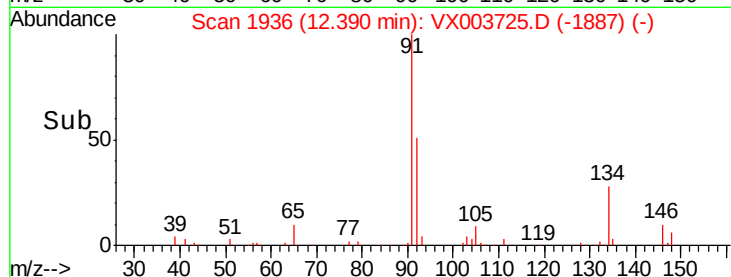
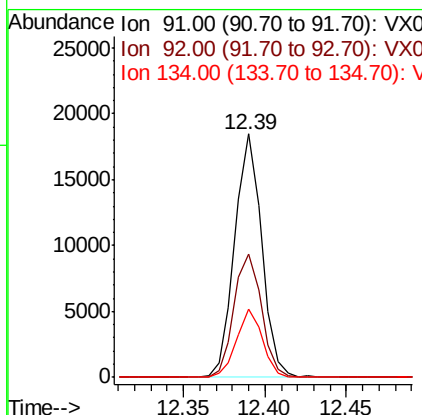
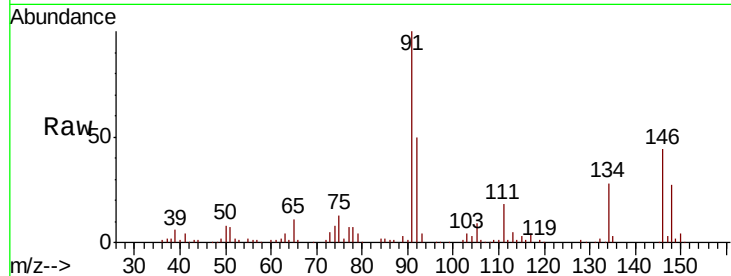
#89
n-Butylbenzene
Concen: 5.29 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	26.7	13.6	40.7

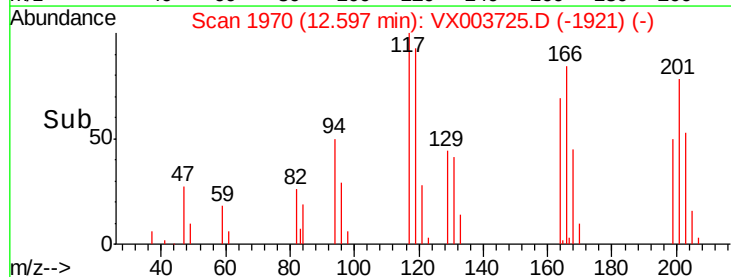
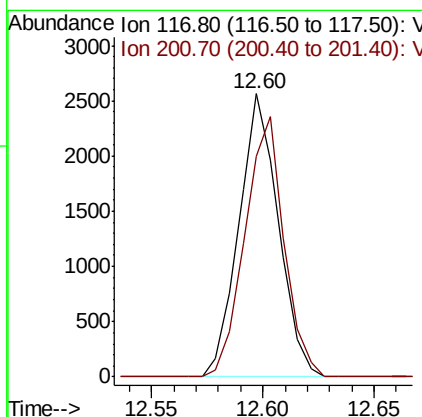
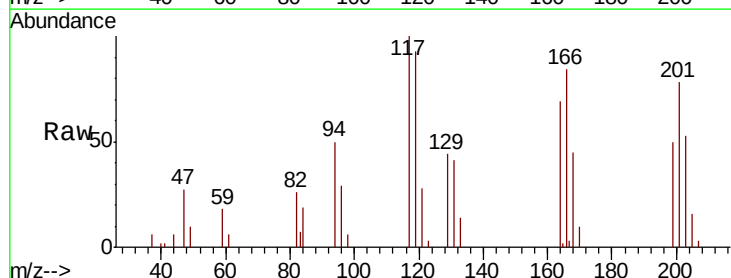
Manual Integrations
APPROVED

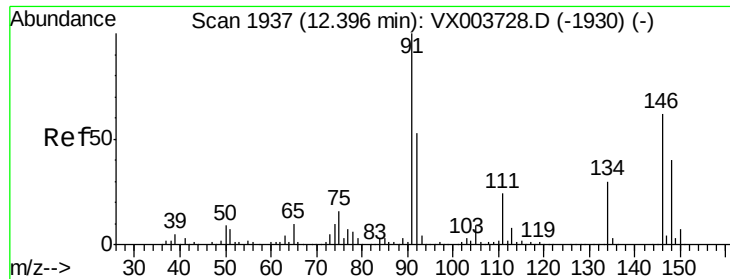
MMDadoda
7/31/2018 1:39:48 PM



#90
Hexachloroethane
Concen: 5.04 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	49.3	147.8





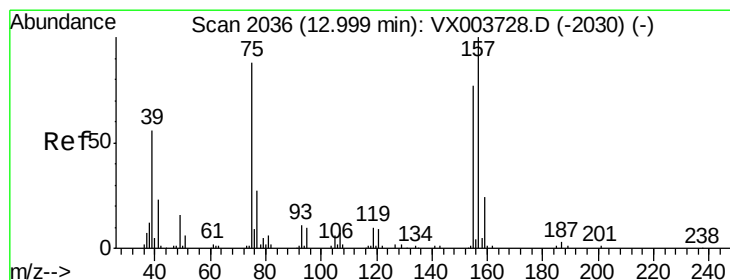
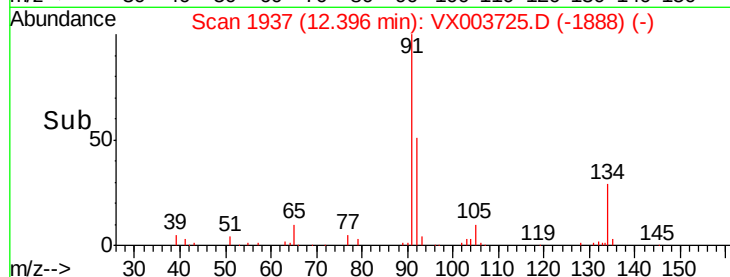
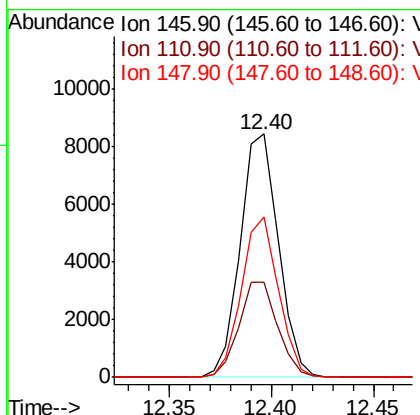
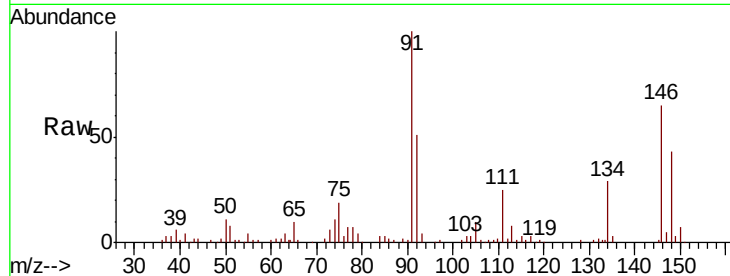
#91
 1,2-Dichlorobenzene
 Concen: 5.19 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.4
148	64.2	32.0	96.0

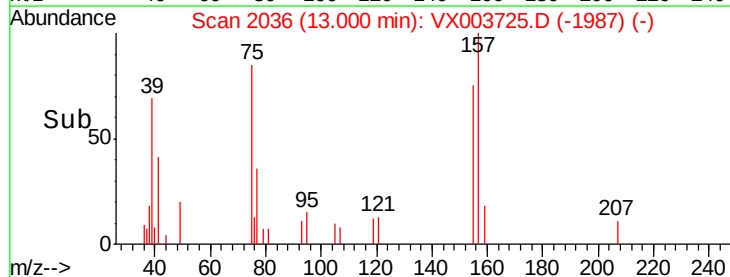
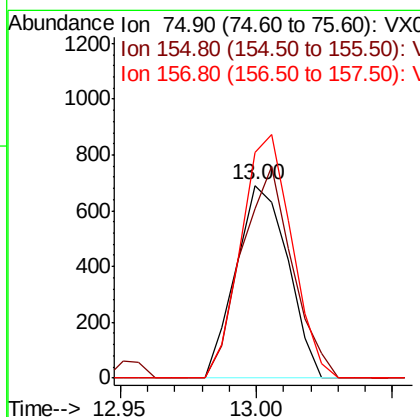
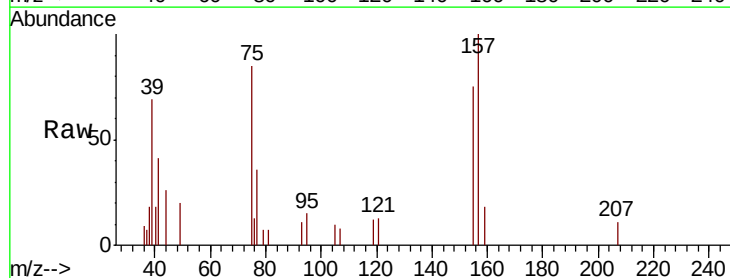
Manual Integrations
 APPROVED

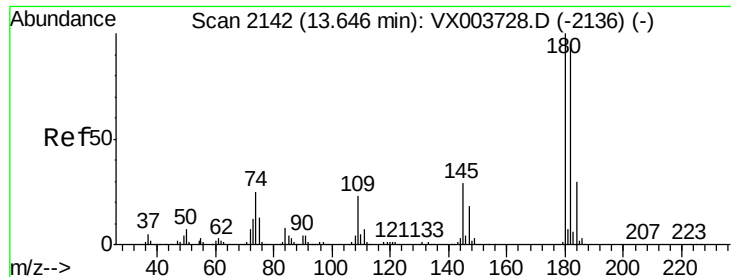
MMDadoda
 7/31/2018 1:39:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.12 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.0	48.9	146.7
157	123.3	63.7	191.1





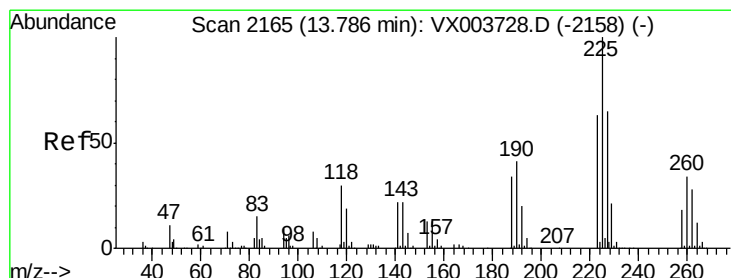
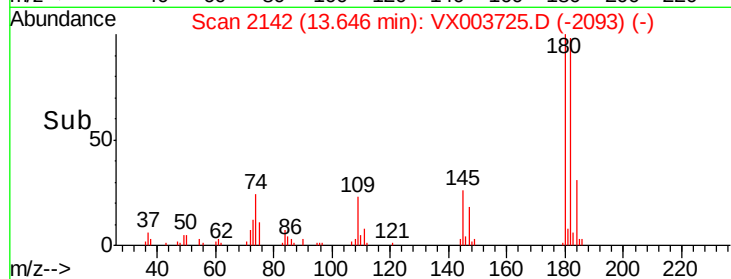
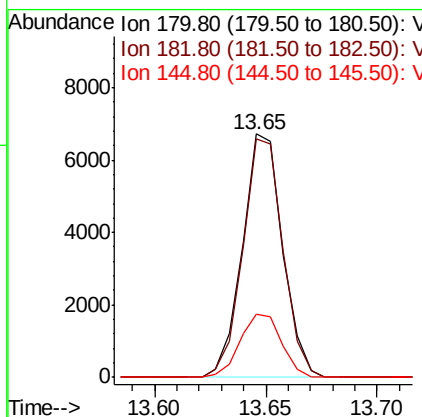
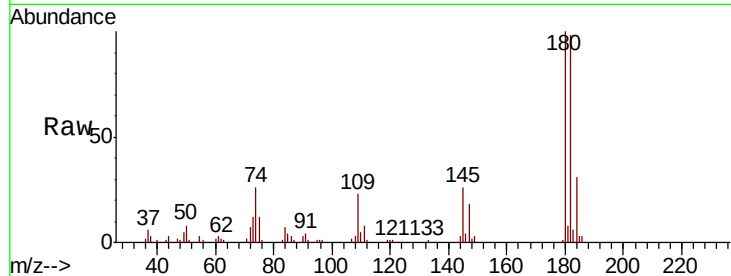
#93
 1,2,4-Trichlorobenzene
 Concen: 5.03 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.6	142.9
145	26.8	14.1	42.2

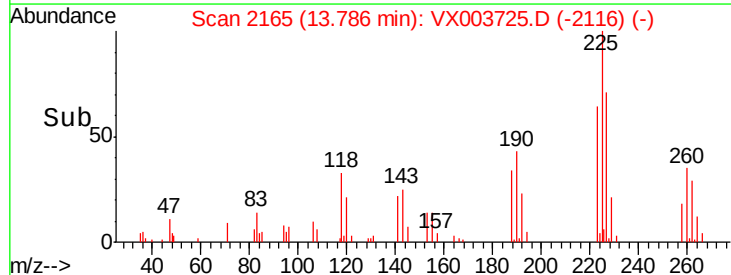
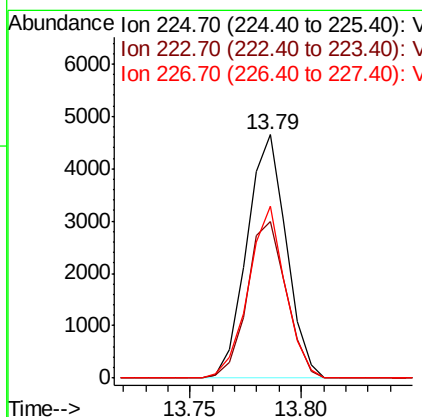
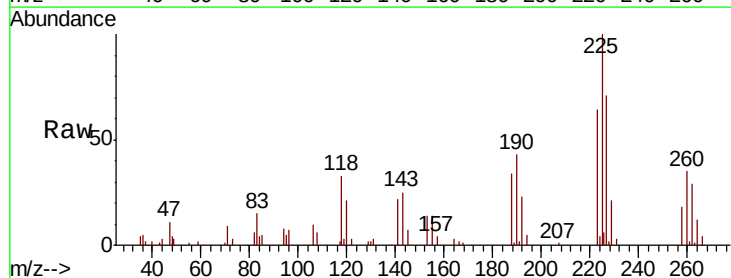
Manual Integrations
 APPROVED

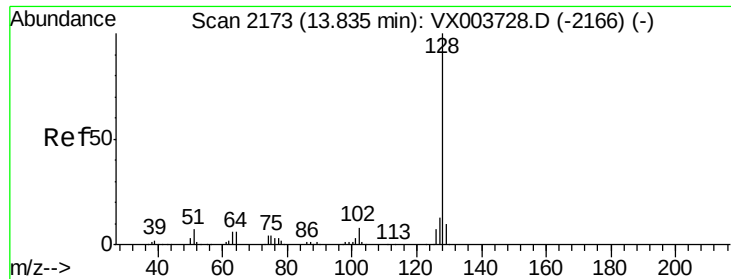
MMDadoda
 7/31/2018 1:39:48 PM



#94
 Hexachlorobutadiene
 Concen: 5.34 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003725.D
 Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.1	93.5
227	66.2	31.9	95.9





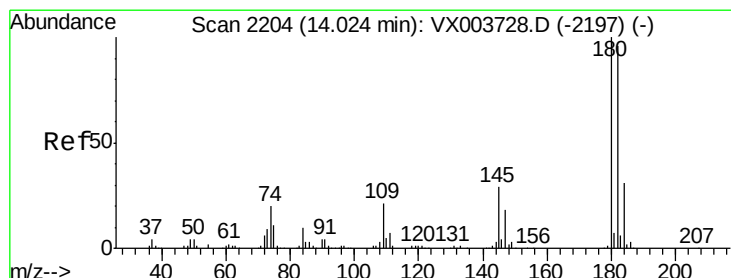
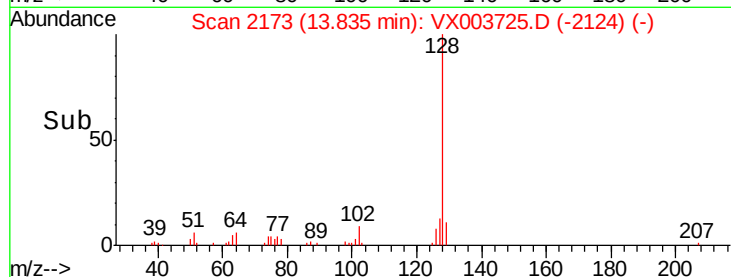
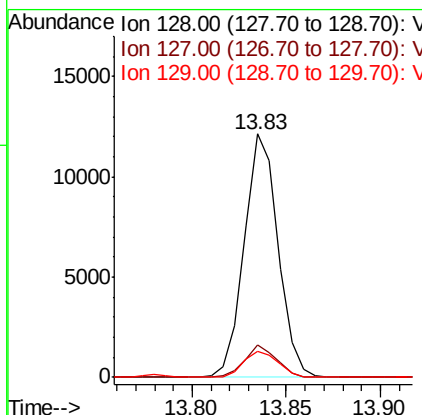
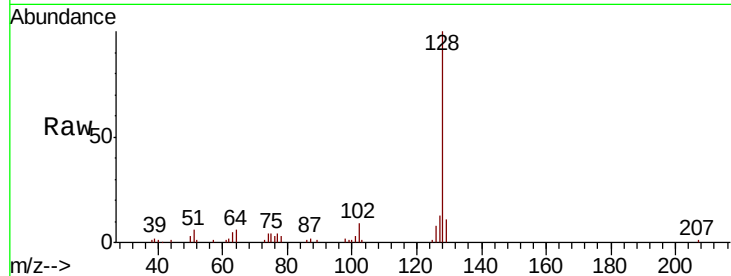
#95
Naphthalene
Concen: 4.20 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/31/2018 1:39:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.68 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003725.D
Acq: 30 Jul 2018 15:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.9	143.8
145	32.4	14.7	44.1

