

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004093.D
 Acq On : 16 Aug 2018 00:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:40:03 PM

Quant Time: Aug 16 07:26:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432090	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	422651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	213950	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	5.50	113	177980	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
50) Toluene-d8	8.72	98	692158	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	11.14	95	255825	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	144057	50.15	ug/l	100
3) Chloromethane	1.32	50	173169	49.12	ug/l	100
4) Vinyl Chloride	1.40	62	192550	50.48	ug/l	99
5) Bromomethane	1.64	94	103460	53.54	ug/l	100
6) Chloroethane	1.72	64	131426	52.47	ug/l	98
7) Trichlorofluoromethane	1.93	101	264489	49.43	ug/l	98
8) Diethyl Ether	2.18	74	116352	49.81	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	161711	48.45	ug/l	100
10) Methyl Iodide	2.51	142	175318	49.26	ug/l	99
11) Tert butyl alcohol	3.05	59	225854	269.74	ug/l	100
12) 1,1-Dichloroethene	2.37	96	154686	49.83	ug/l	98
13) Acrolein	2.29	56	118359	210.17	ug/l	99
14) Allyl chloride	2.73	41	284326	48.13	ug/l	98
15) Acrylonitrile	3.14	53	576984	276.38	ug/l	100
16) Acetone	2.44	43	564354	261.06	ug/l	100
17) Carbon Disulfide	2.57	76	422240	47.95	ug/l	98
18) Methyl Acetate	2.77	43	258327	53.77	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	570054	52.12	ug/l	100
20) Methylene Chloride	2.85	84	183435	51.94	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	175233	49.70	ug/l	99
22) Diisopropyl ether	3.87	45	610184	52.72	ug/l	98
23) Vinyl Acetate	3.82	43	2585755	271.98	ug/l	100
24) 1,1-Dichloroethane	3.70	63	338765	51.67	ug/l	100
25) 2-Butanone	4.70	43	928501	263.98	ug/l	98
26) 2,2-Dichloropropane	4.58	77	175412	33.65	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	198413	50.04	ug/l	96
28) Bromochloromethane	5.02	49	154719	51.44	ug/l	99
29) Tetrahydrofuran	5.16	42	472235	262.78	ug/l	99
30) Chloroform	5.21	83	332001	51.89	ug/l	99
31) Cyclohexane	5.57	56	278845	48.52	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	278104	52.01	ug/l	98
36) 1,1-Dichloropropene	5.80	75	246190	50.07	ug/l	99
37) Ethyl Acetate	4.85	43	277146	51.76	ug/l	100
38) Carbon Tetrachloride	5.78	117	244786	51.24	ug/l	98

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Quant Time: Aug 16 07:26:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	282032	50.56	ug/l	99
40) Benzene	6.15	78	756939	51.27	ug/l	100
41) Methacrylonitrile	5.06	41	151549	50.54	ug/l	100
42) 1,2-Dichloroethane	6.20	62	262827	50.86	ug/l	100
43) Isopropyl Acetate	6.46	43	410623	52.03	ug/l	100
44) Trichloroethene	7.21	130	199381	49.74	ug/l	96
45) 1,2-Dichloropropane	7.52	63	195546	51.74	ug/l	99
46) Dibromomethane	7.67	93	128232	51.92	ug/l	99
47) Bromodichloromethane	7.90	83	248049	53.02	ug/l	100
48) Methyl methacrylate	7.78	41	220439	55.49	ug/l	98
49) 1,4-Dioxane	7.76	88	99153	1108.50	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1834618	283.50	ug/l	100
52) Toluene	8.79	92	486029	52.05	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	259871	51.42	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	285894	51.08	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	200172	51.91	ug/l	97
56) Ethyl methacrylate	9.18	69	294414	56.15	ug/l	100
57) 1,3-Dichloropropane	9.37	76	334119	52.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	769760	288.30	ug/l	99
59) 2-Hexanone	9.50	43	1407033	288.90	ug/l	100
60) Dibromochloromethane	9.59	129	200179	53.95	ug/l	99
61) 1,2-Dibromoethane	9.68	107	207429	52.77	ug/l	99
64) Tetrachloroethene	9.34	164	204059	50.94	ug/l	95
65) Chlorobenzene	10.14	112	537001	49.19	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	192570	51.72	ug/l	99
67) Ethyl Benzene	10.26	91	908619	52.56	ug/l	99
68) m/p-Xylenes	10.36	106	725767	107.20	ug/l	96
69) o-Xylene	10.70	106	346473	53.55	ug/l	95
70) Styrene	10.71	104	588993	54.09	ug/l	98
71) Bromoform	10.86	173	155510	52.67	ug/l	98
73) Isopropylbenzene	11.02	105	936009	54.31	ug/l	97
74) N-amyl acetate	6.46	43	410623	50.65	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	313658	52.11	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	279562m	54.73	ug/l	
77) Bromobenzene	11.26	156	245964	51.77	ug/l	99
78) n-propylbenzene	11.36	91	1057278	54.81	ug/l	100
79) 2-Chlorotoluene	11.42	91	634350	53.97	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	766804	54.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	81846	49.60	ug/l	99
82) 4-Chlorotoluene	11.51	91	744432	53.58	ug/l	99
83) tert-Butylbenzene	11.77	119	741789	52.13	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	800531	54.77	ug/l	99
85) sec-Butylbenzene	11.94	105	893743	53.66	ug/l	99
86) p-Isopropyltoluene	12.07	119	797371	52.89	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	445960	49.21	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	441430	47.33	ug/l	98
89) n-Butylbenzene	12.39	91	621410	52.31	ug/l	98
90) Hexachloroethane	12.60	117	115418	51.16	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	418132	51.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56026	52.96	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	285677	51.14	ug/l	98
94) Hexachlorobutadiene	13.79	225	129784	46.35	ug/l	98
95) Naphthalene	13.83	128	934336	52.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	328023	53.85	ug/l	99

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

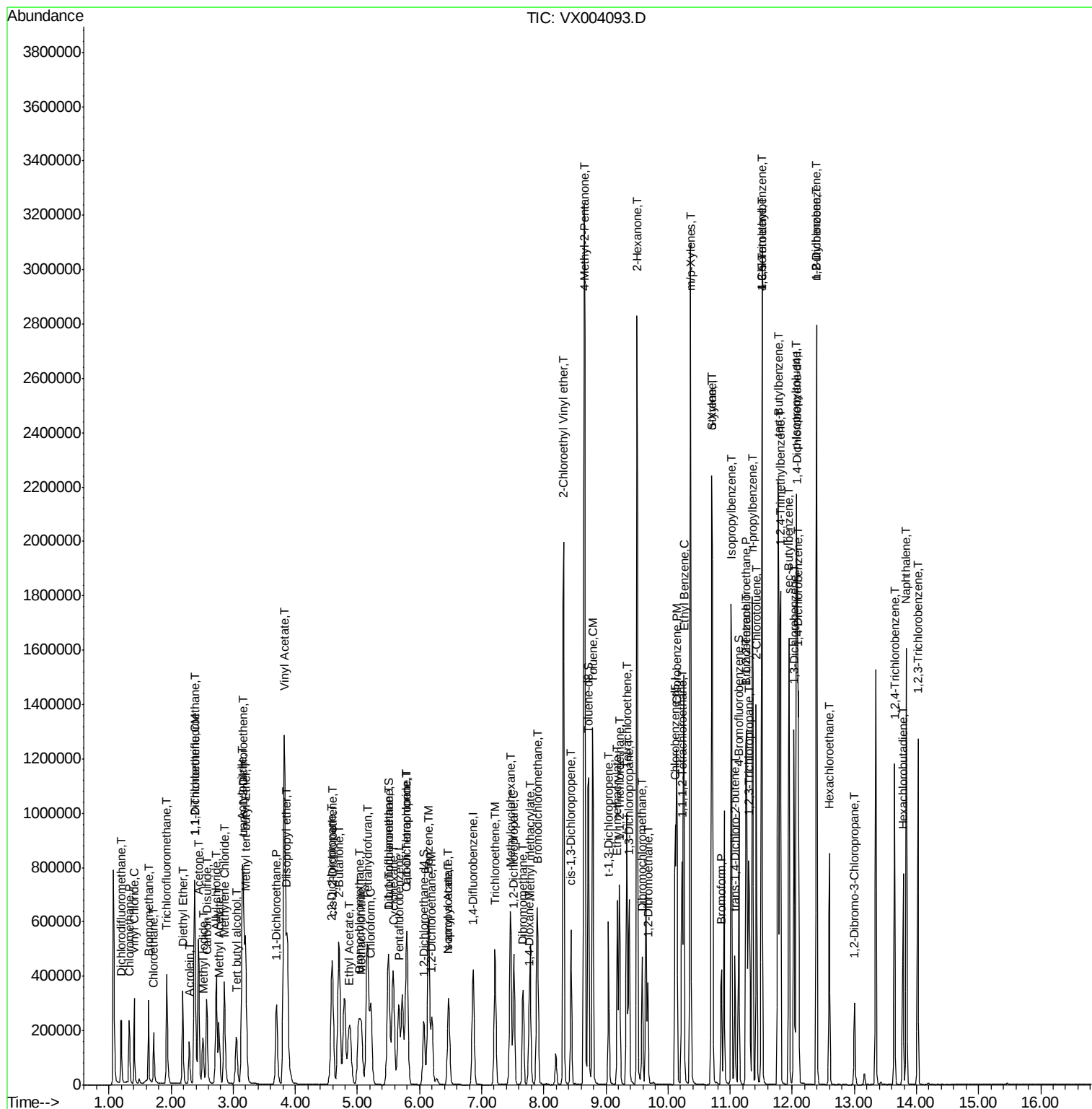
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
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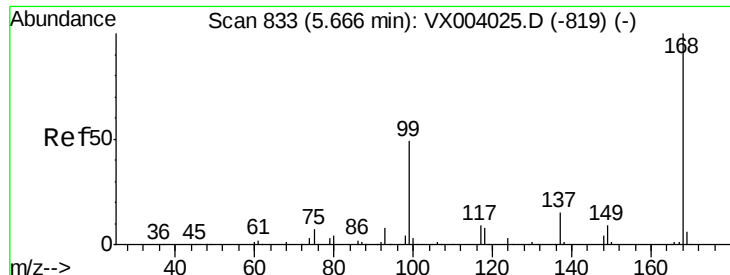
Instrument :
MSVOA_X
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 295107

Ion Ratio Lower Upper

168 100

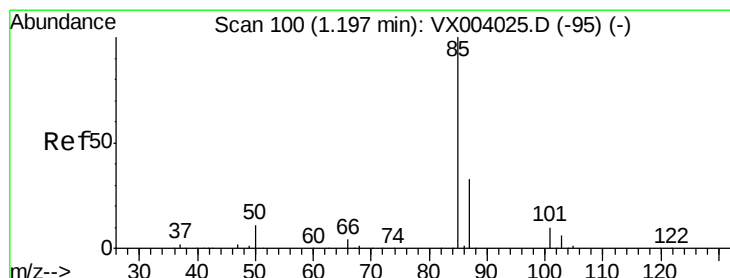
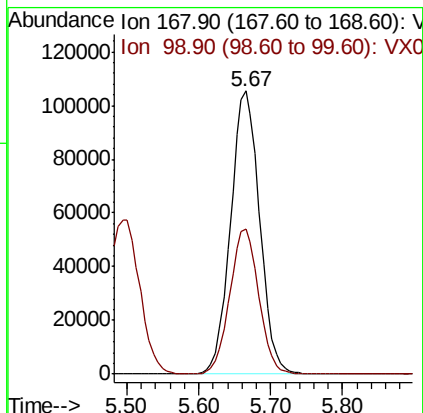
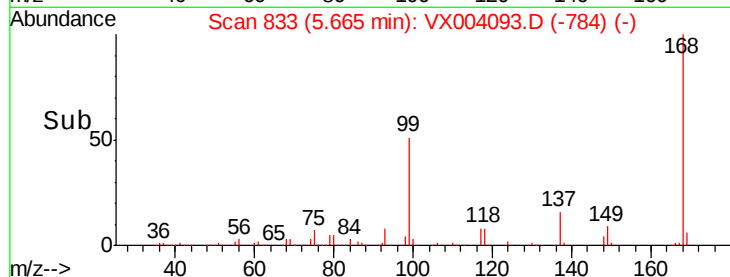
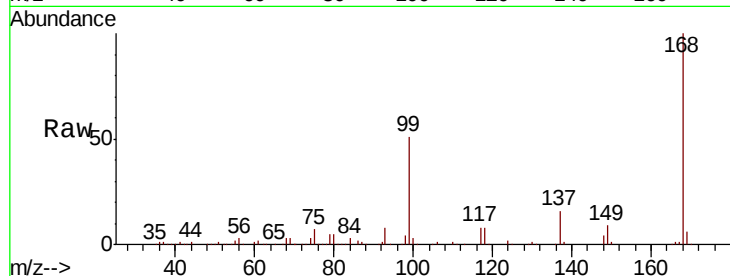
99 51.2 40.1 60.1

Manual Integrations

APPROVED

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8/16/2018 4:40:03 PM



#2

Dichlorodifluoromethane

Concen: 50.15 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004093.D

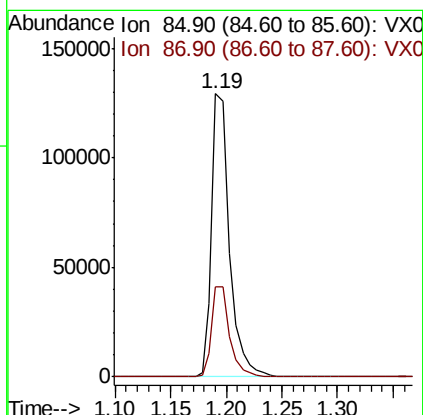
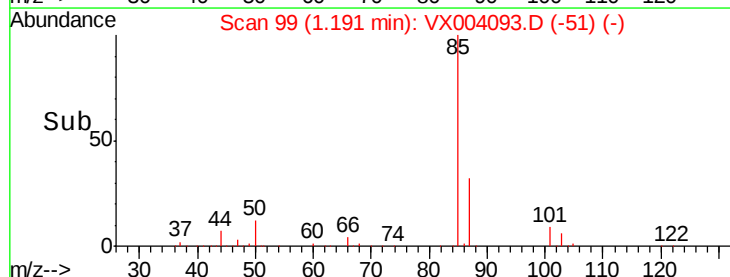
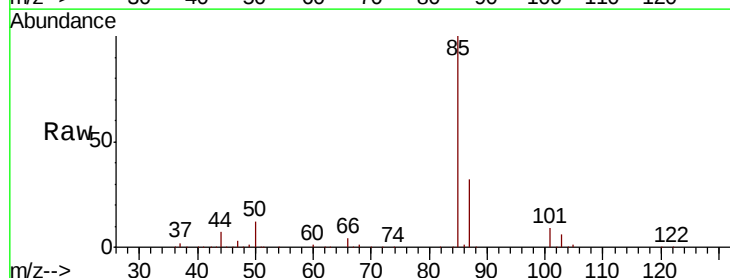
Acq: 16 Aug 2018 00:54

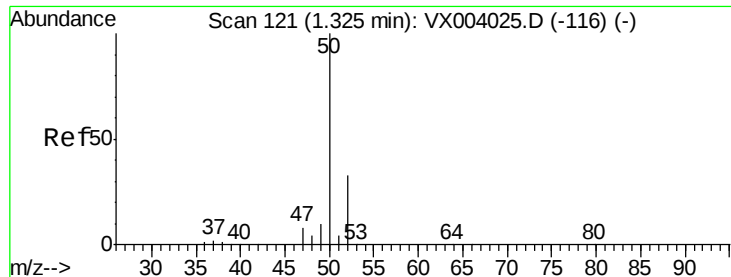
Tgt Ion: 85 Resp: 144057

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0





#3

Chloromethane

Concen: 49.12 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 173169

Ion Ratio Lower Upper

50 100

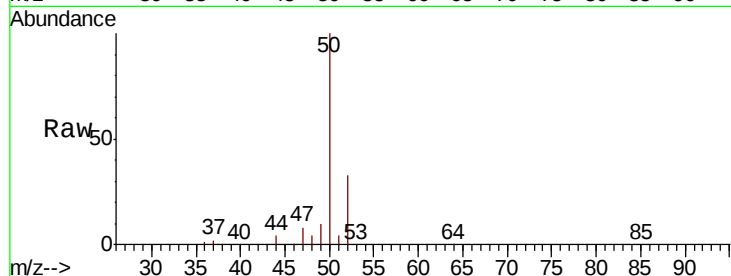
52 33.2 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

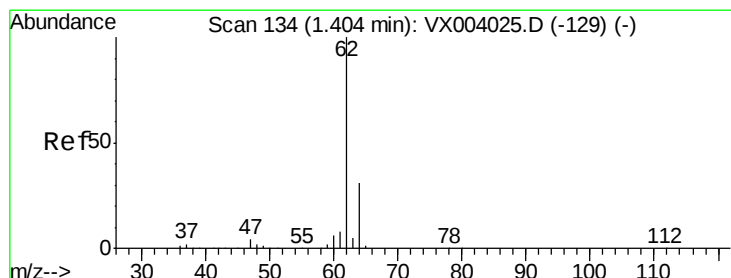
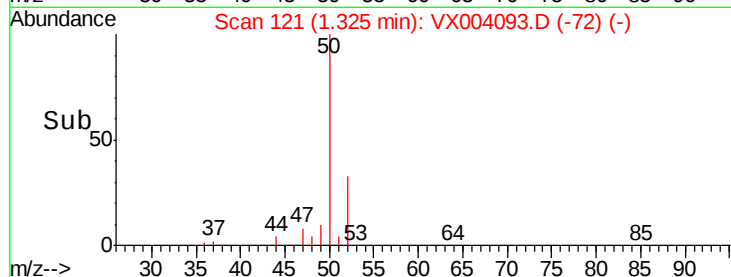
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.48 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004093.D

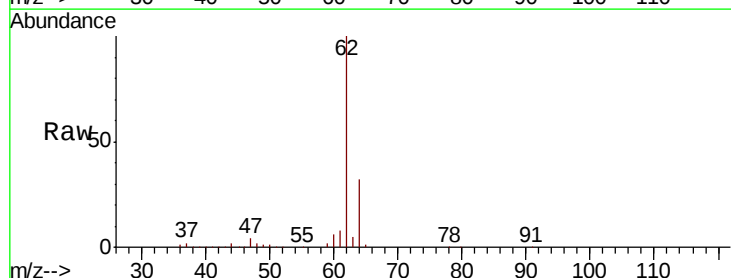
Acq: 16 Aug 2018 00:54

Tgt Ion: 62 Resp: 192550

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

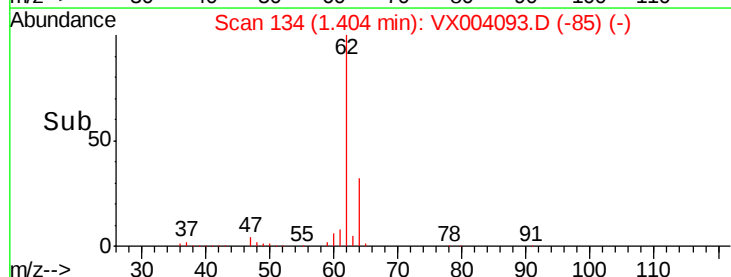
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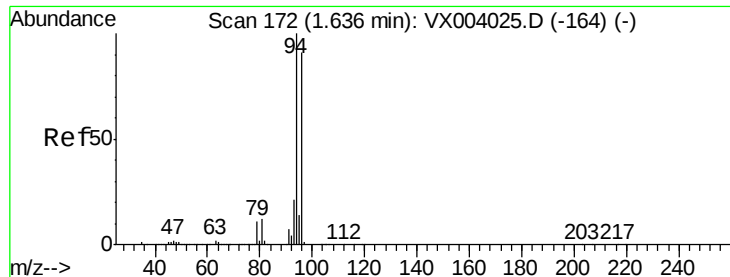
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50000

0

Time-->





#5

Bromomethane

Concen: 53.54 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 103460

Ion Ratio Lower Upper

94 100

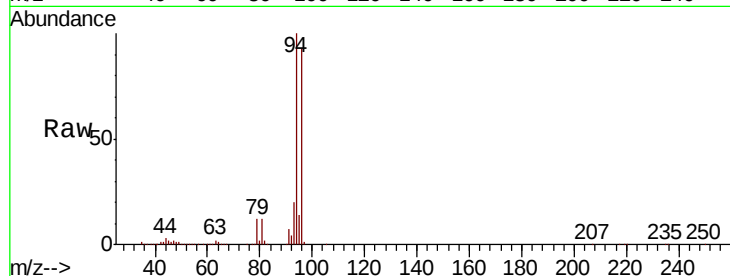
96 93.5 75.2 112.8

Manual Integrations

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8/16/2018 4:40:03 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

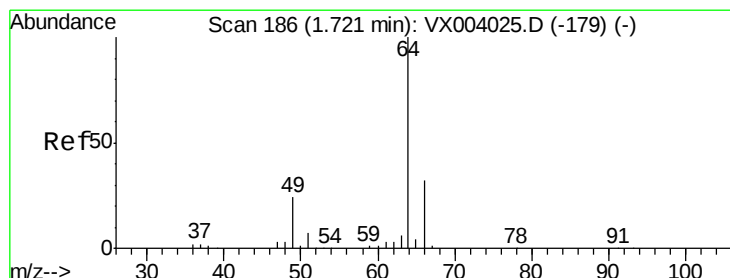
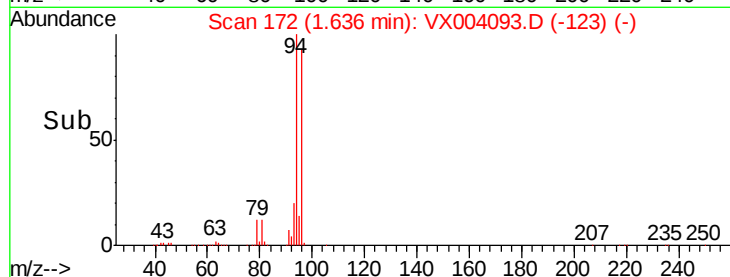
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 52.47 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX004093.D

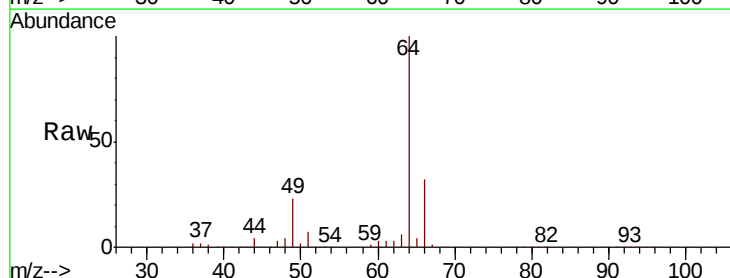
Acq: 16 Aug 2018 00:54

Tgt Ion: 64 Resp: 131426

Ion Ratio Lower Upper

64 100

66 31.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

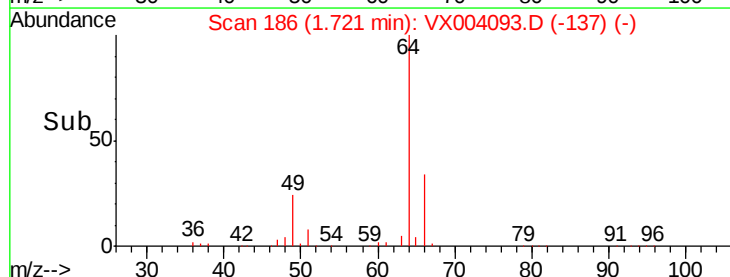
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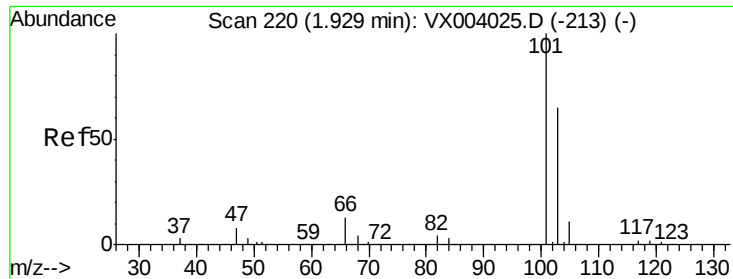
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20000

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Time-->





#7

Trichlorofluoromethane

Concen: 49.43 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 101 Resp: 264489

Ion Ratio Lower Upper

101 100

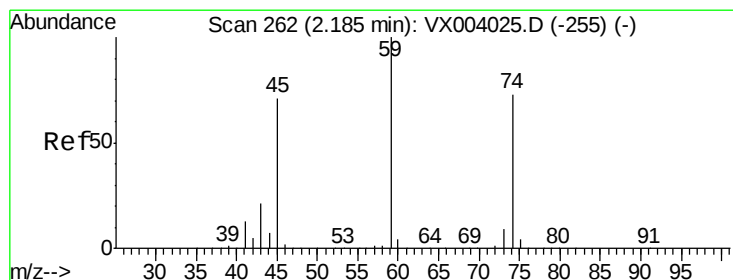
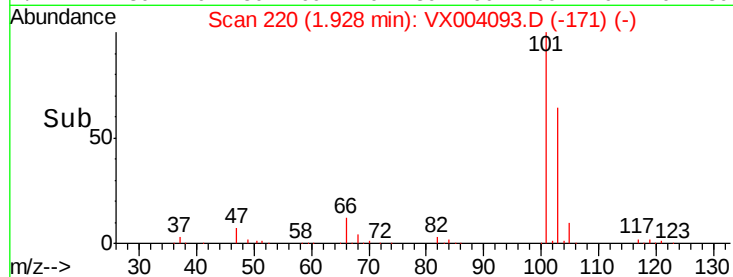
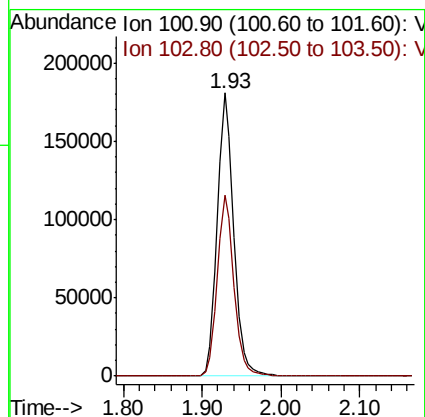
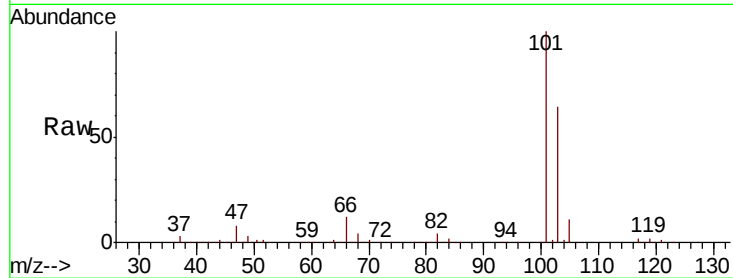
103 63.9 52.3 78.5

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:40:03 PM



#8

Diethyl Ether

Concen: 49.81 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004093.D

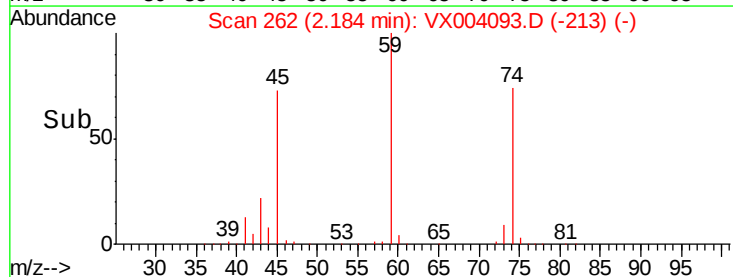
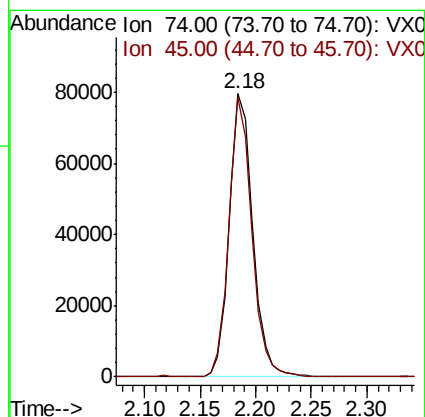
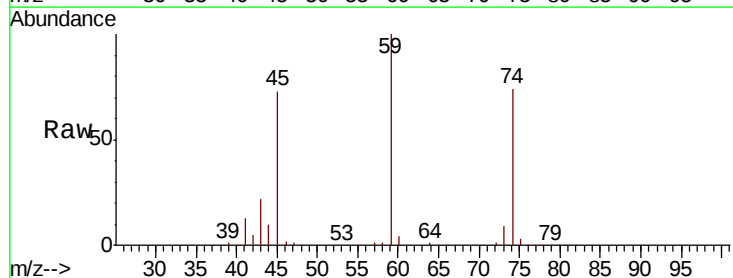
Acq: 16 Aug 2018 00:54

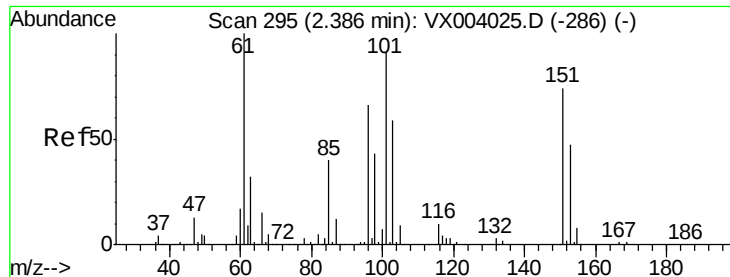
Tgt Ion: 74 Resp: 116352

Ion Ratio Lower Upper

74 100

45 96.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.45 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

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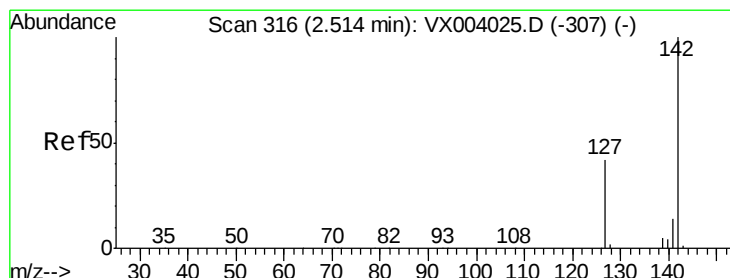
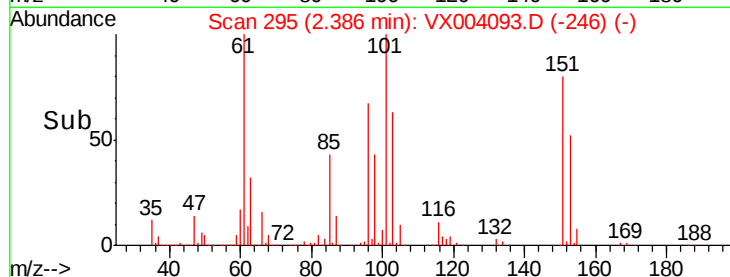
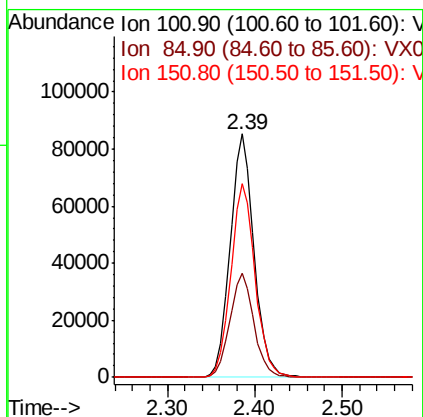
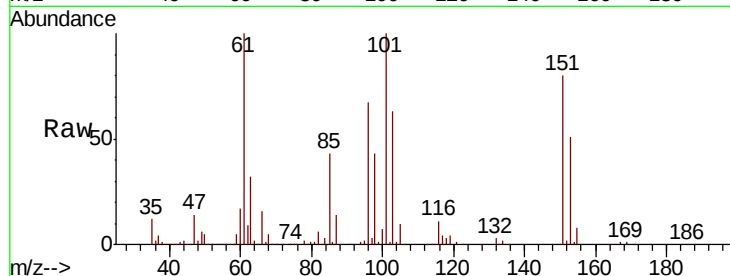
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	161711
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	81.1	65.0	97.4

Manual Integrations
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MMDadoda
8/16/2018 4:40:03 PM



#10

Methyl Iodide

Concen: 49.26 ug/l

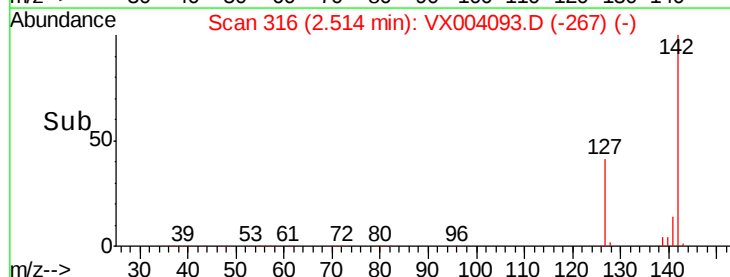
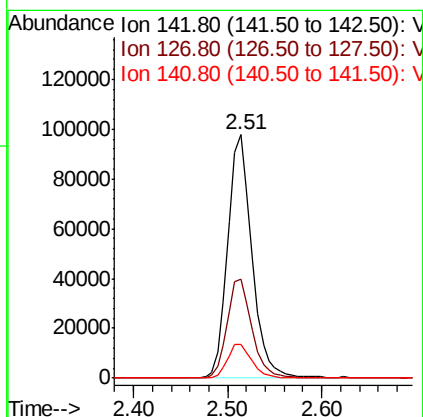
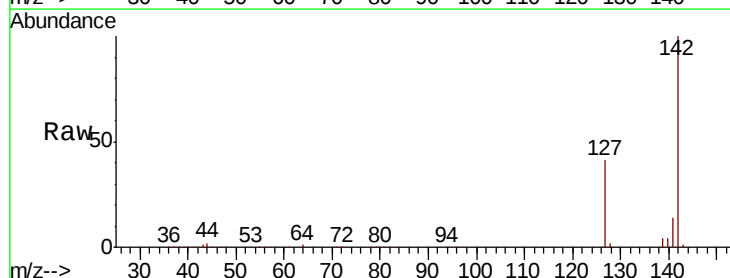
RT: 2.51 min Scan# 316

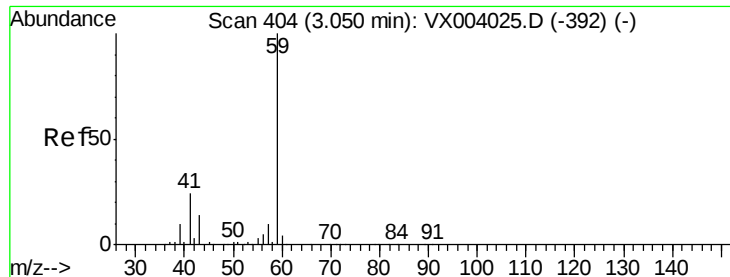
Delta R.T. 0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion:	142	Resp:	175318
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.1	49.7
141	14.2	11.1	16.7





#11

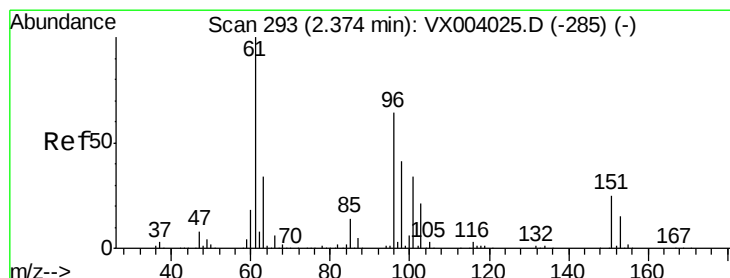
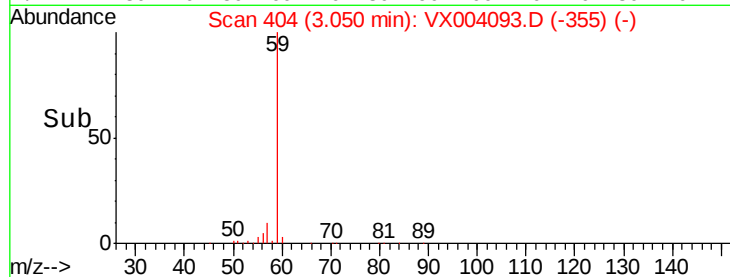
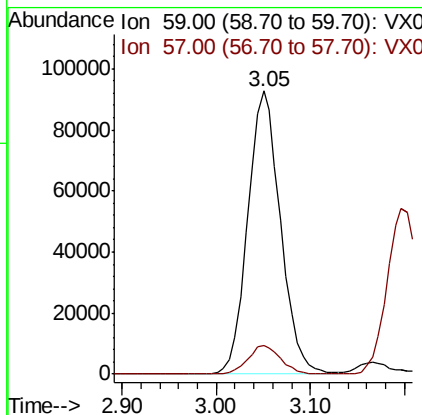
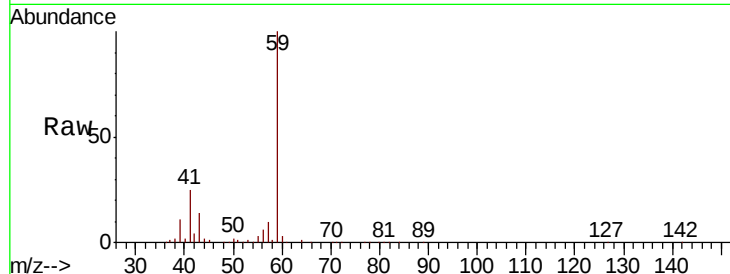
Tert butyl alcohol
 Concen: 269.74 ug/l
 RT: 3.05 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

Manual Integrations
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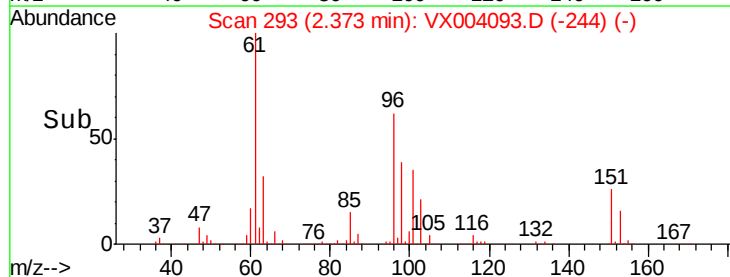
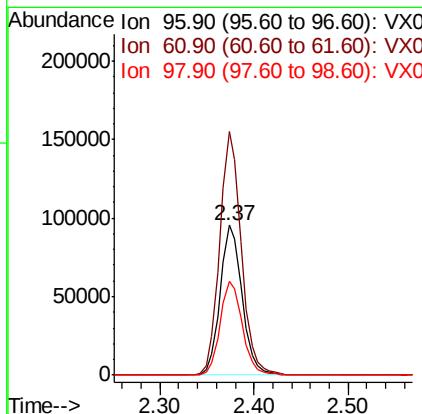
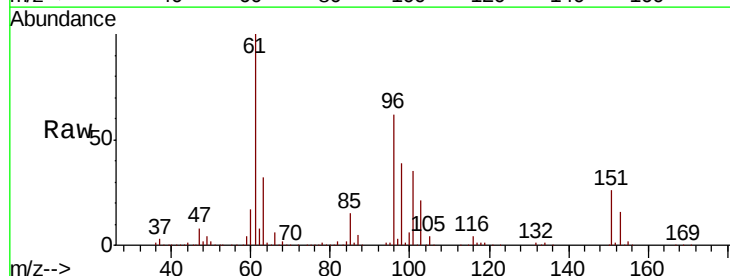
MMDadoda
 8/16/2018 4:40:03 PM

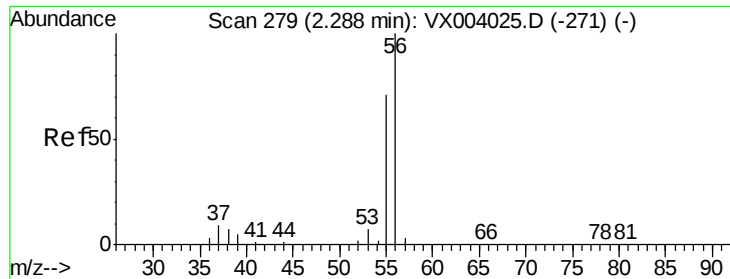


#12

1,1-Dichloroethene
 Concen: 49.83 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	131.3	196.9
98	62.7	51.8	77.6





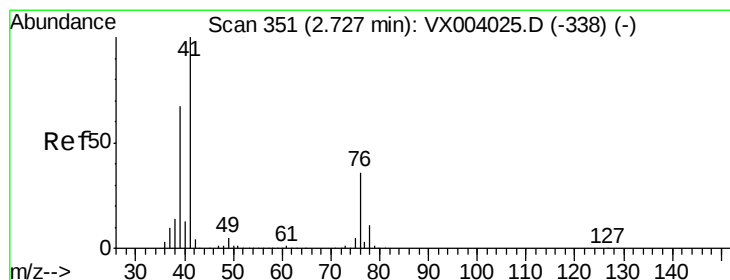
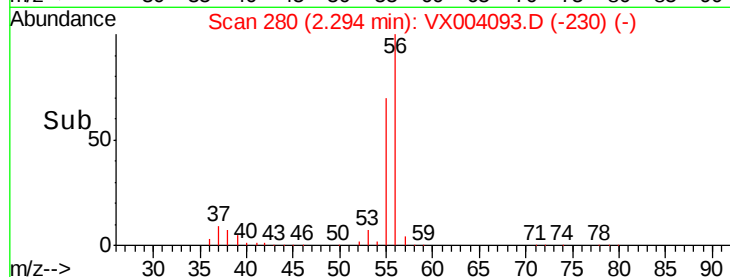
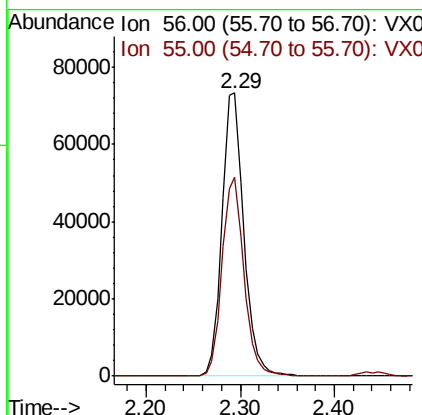
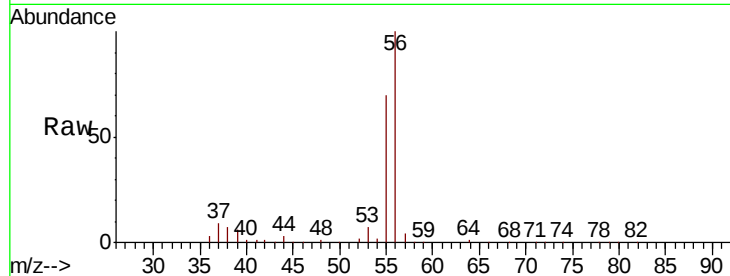
#13
Acrolein
Concen: 210.17 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.1	84.1

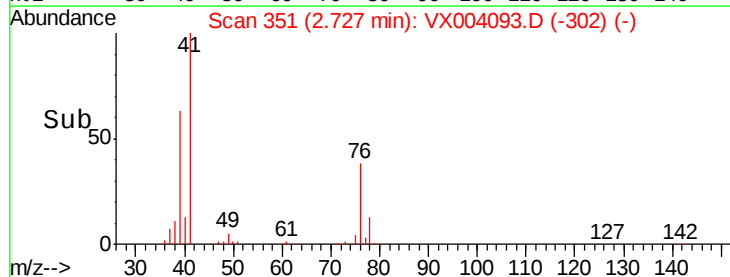
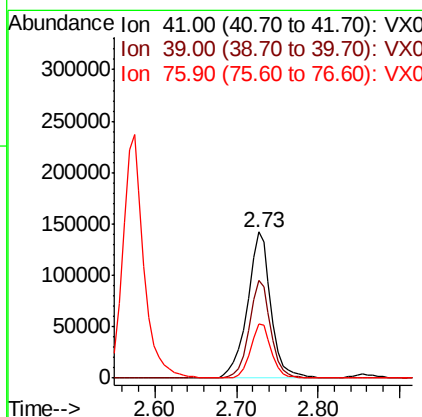
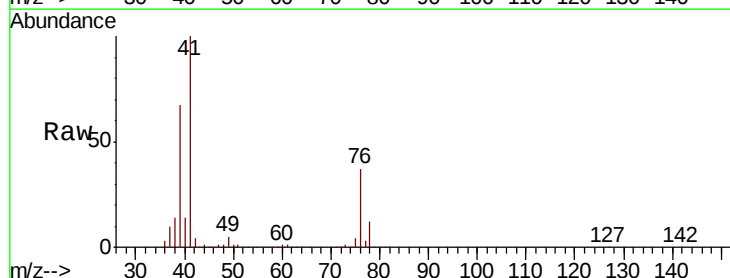
Manual Integrations
APPROVED

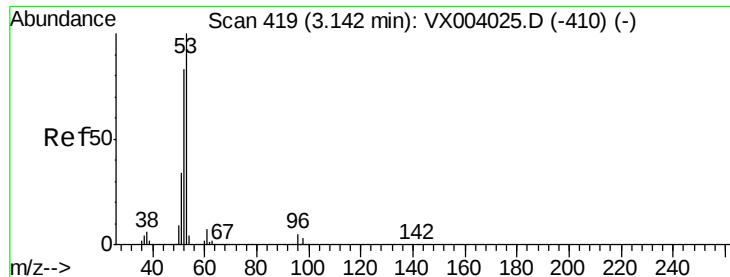
MMDadoda
8/16/2018 4:40:03 PM



#14
Allyl chloride
Concen: 48.13 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.6	47.4	71.0
76	32.8	26.0	39.0





#15

Acrylonitrile

Concen: 276.38 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

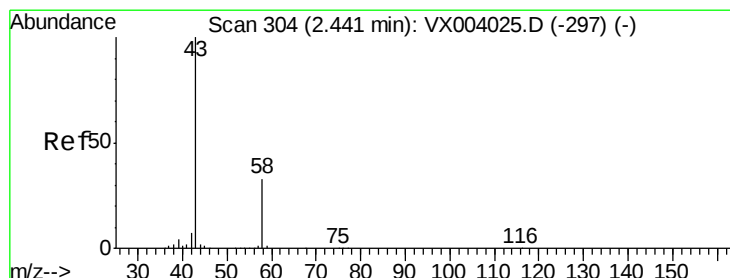
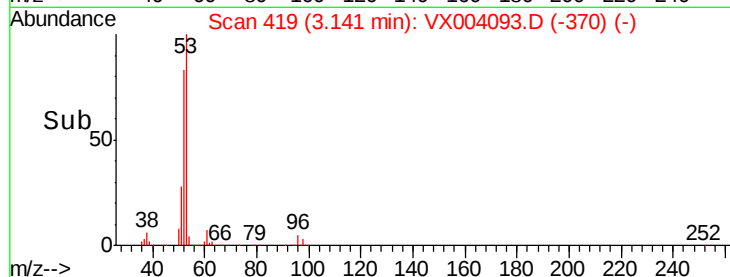
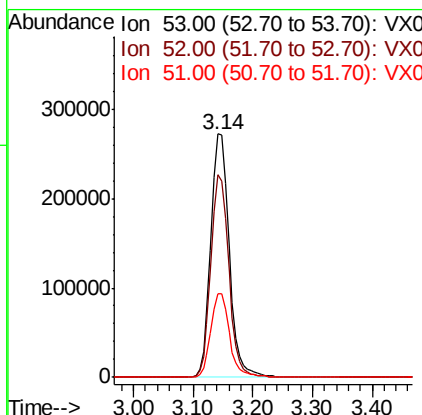
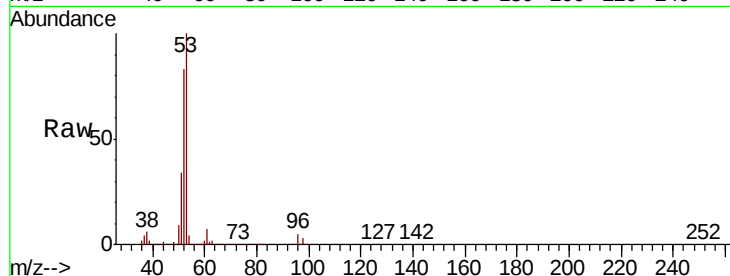
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	576984
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	35.0	27.9	41.9

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 261.06 ug/l

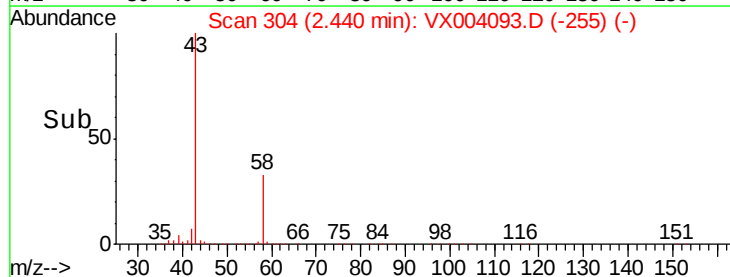
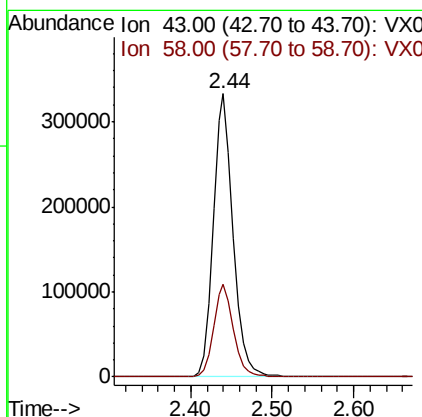
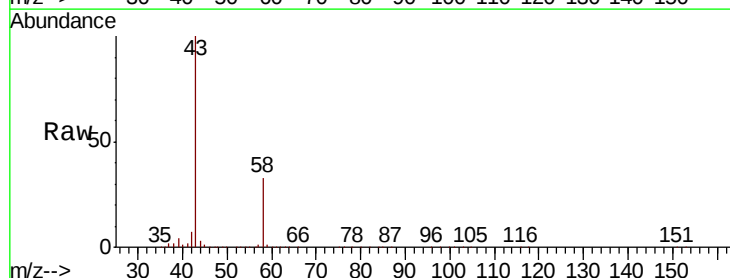
RT: 2.44 min Scan# 304

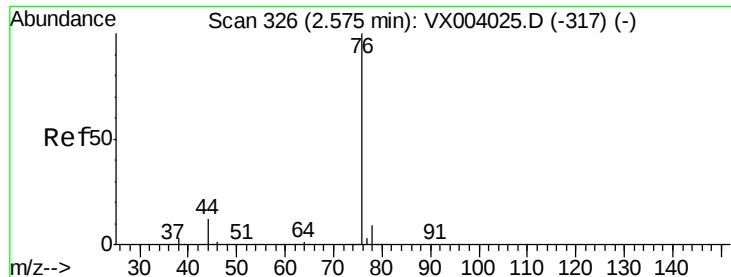
Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion:	43	Resp:	564354
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.4	39.6





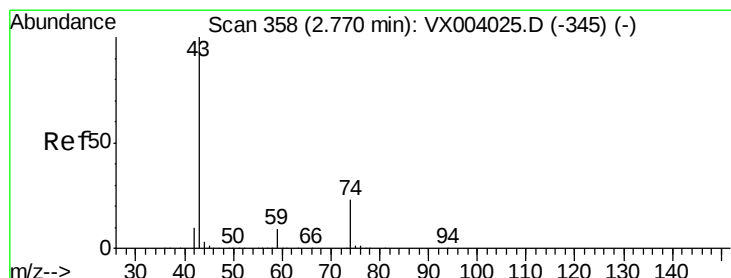
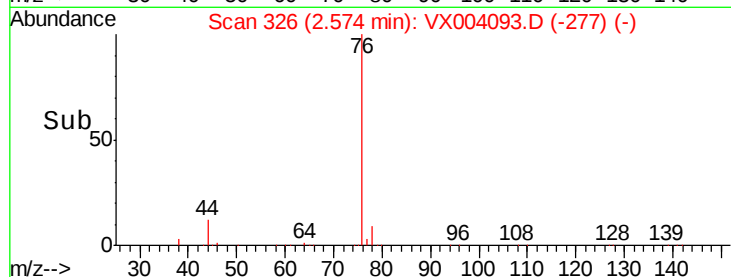
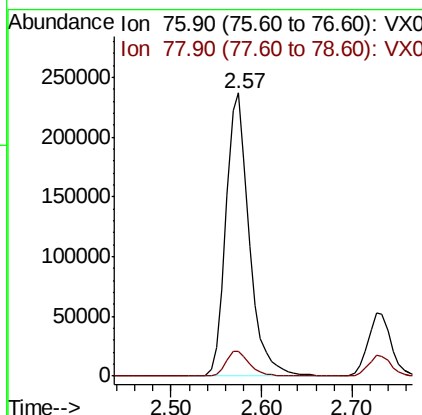
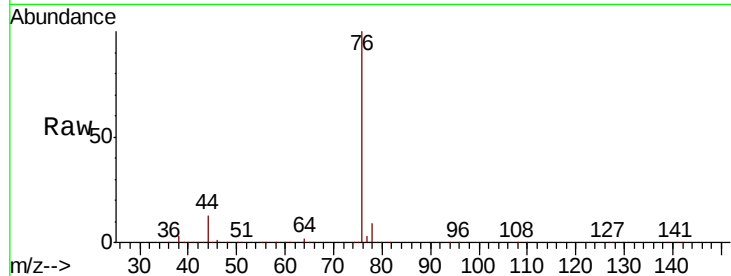
#17
Carbon Disulfide
Concen: 47.95 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

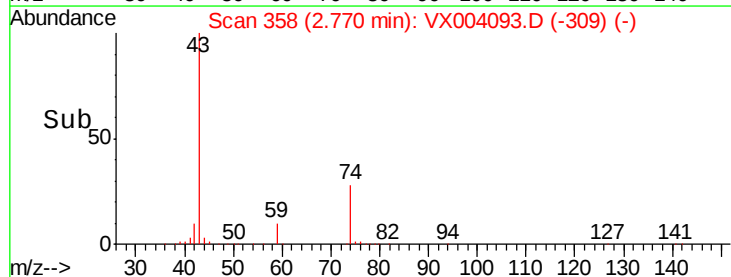
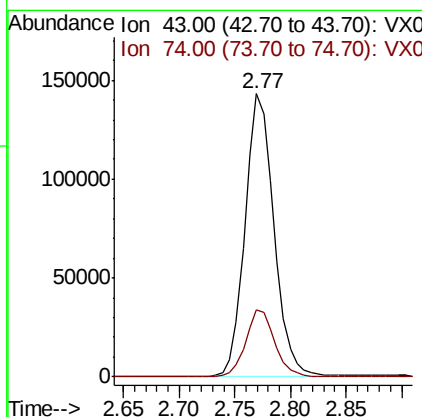
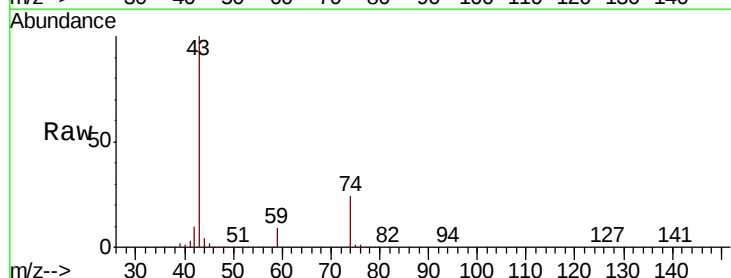
Manual Integrations
APPROVED

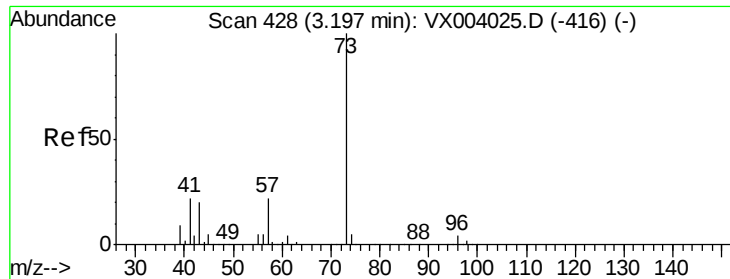
MMDadoda
8/16/2018 4:40:03 PM



#18
Methyl Acetate
Concen: 53.77 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.9	28.3





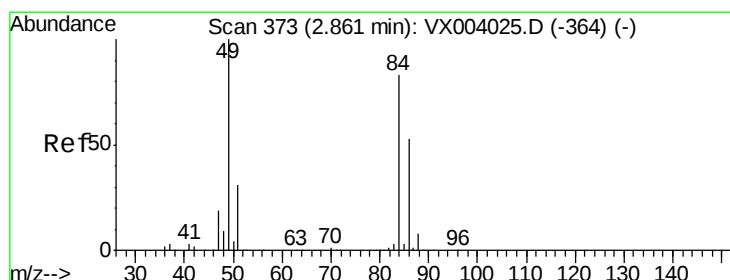
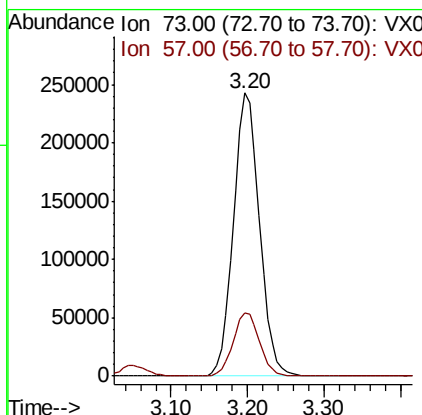
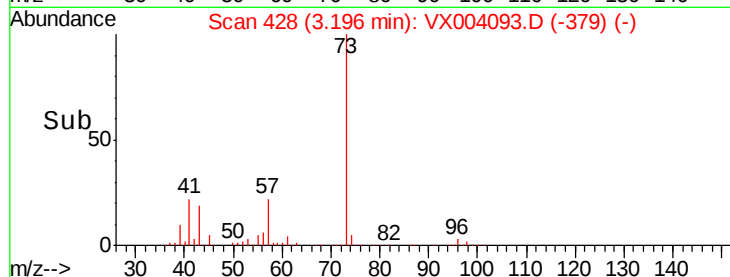
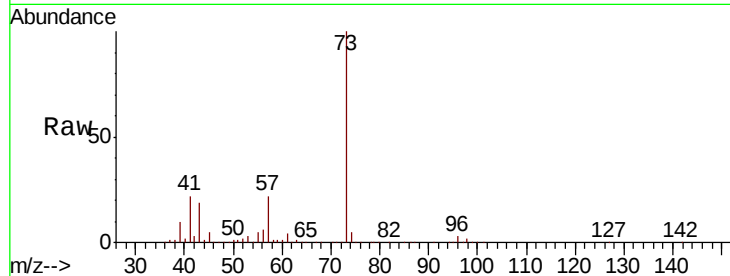
#19
Methvl tert-butvl Ether
Concen: 52.12 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.0	27.0

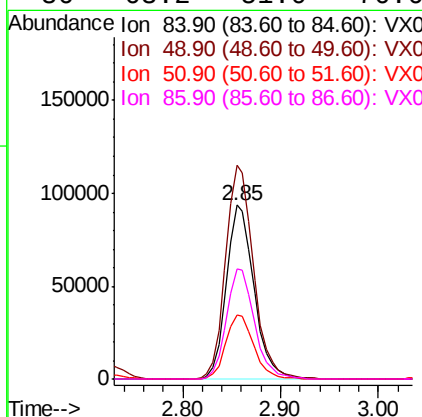
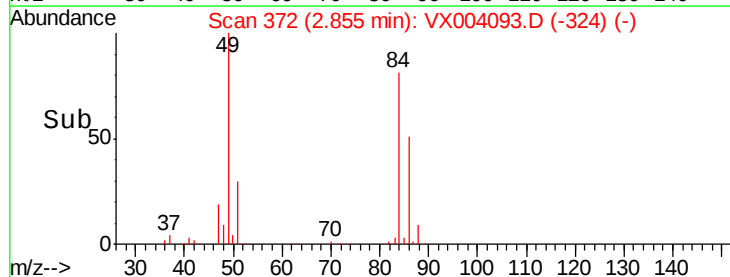
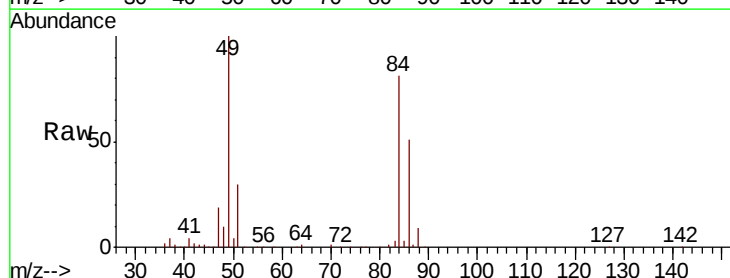
Manual Integrations
APPROVED

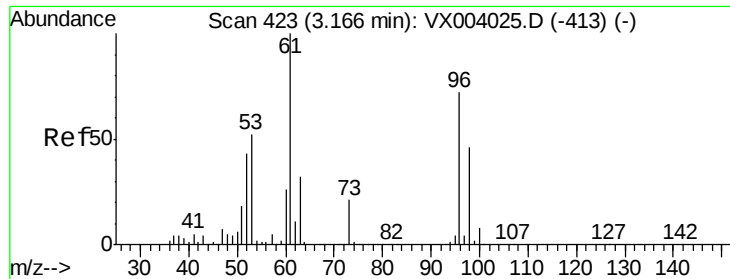
MMDadoda
8/16/2018 4:40:03 PM



#20
Methylene Chloride
Concen: 51.94 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	98.9	148.3
51	37.1	29.9	44.9
86	63.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.70 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 175233

Ion Ratio Lower Upper

96 100

61 140.6 111.8 167.6

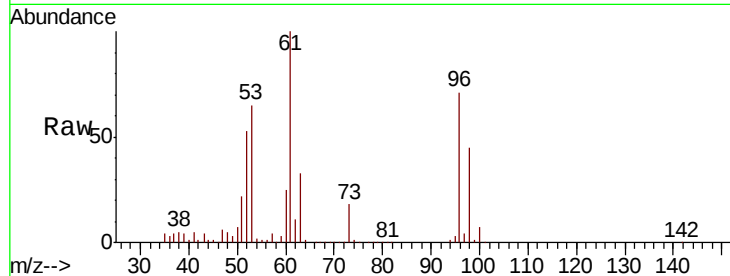
98 63.5 51.8 77.6

Manual Integrations

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MMDadoda

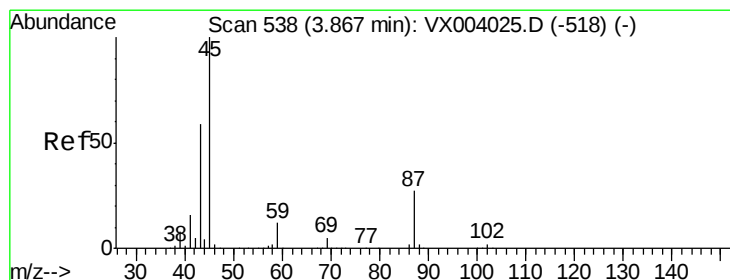
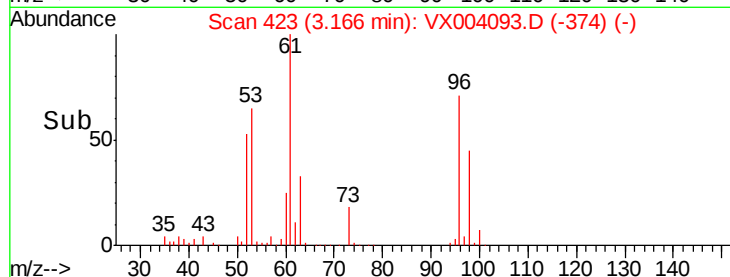
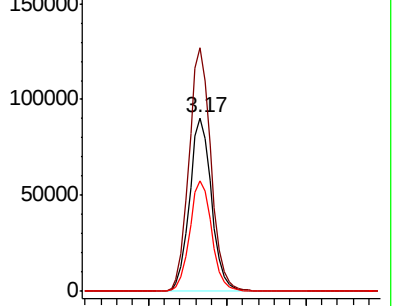
8/16/2018 4:40:03 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.72 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion: 45 Resp: 610184

Ion Ratio Lower Upper

45 100

43 58.3 45.3 67.9

87 26.9 22.7 34.1

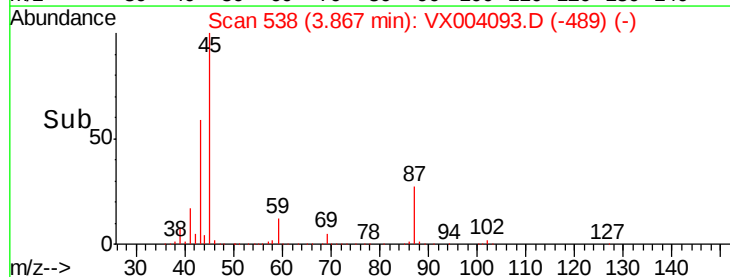
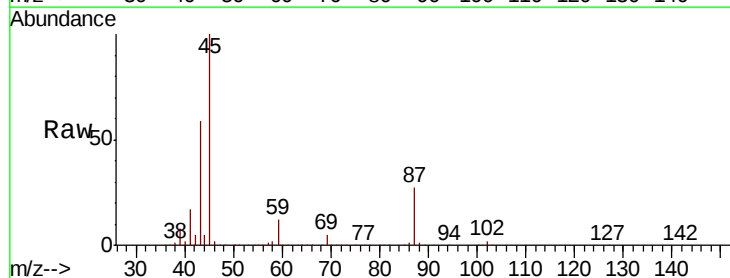
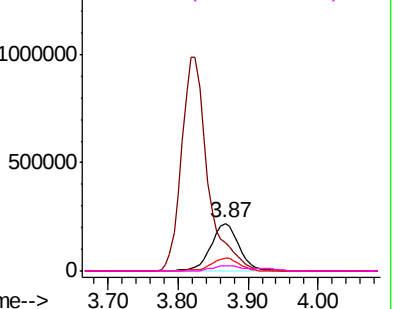
59 11.7 9.6 14.4

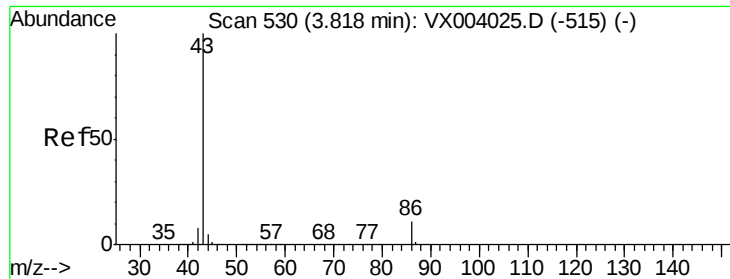
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 271.98 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2585755

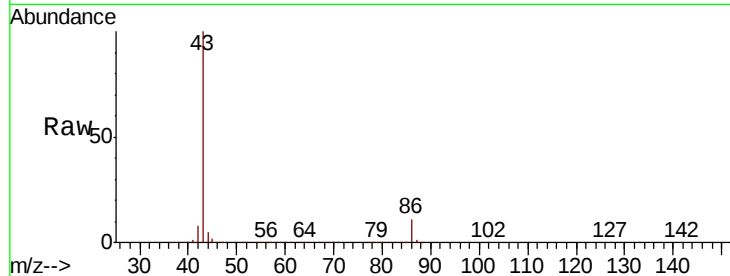
Ion Ratio Lower Upper

43 100

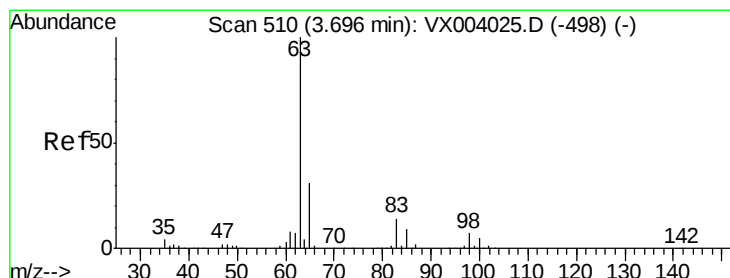
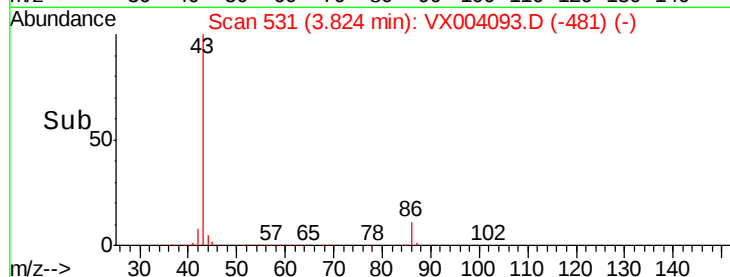
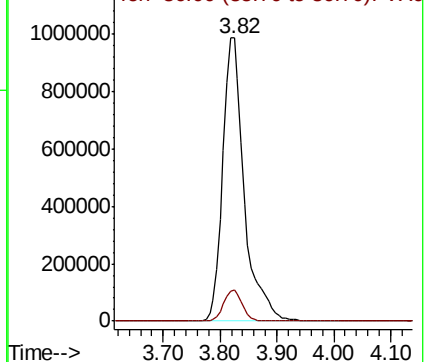
86 10.9 8.9 13.3

Manual Integrations
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MMDadoda
8/16/2018 4:40:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

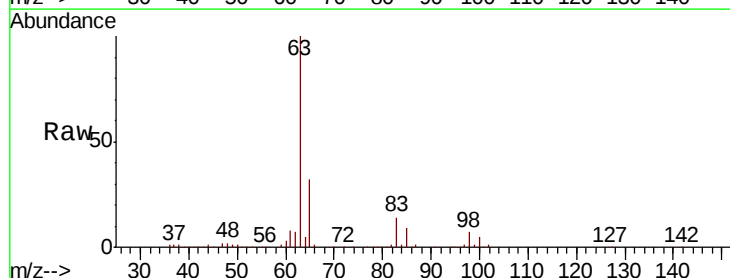
Tgt Ion: 63 Resp: 338765

Ion Ratio Lower Upper

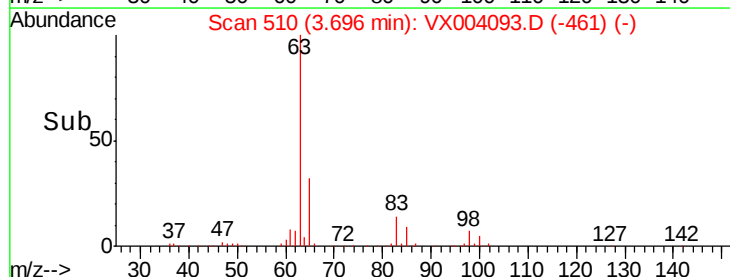
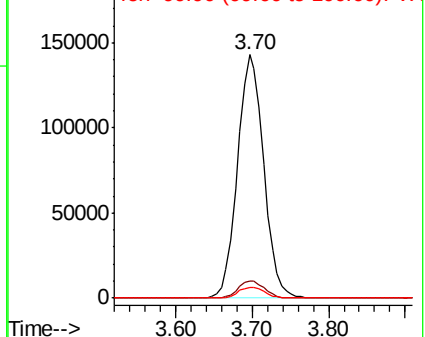
63 100

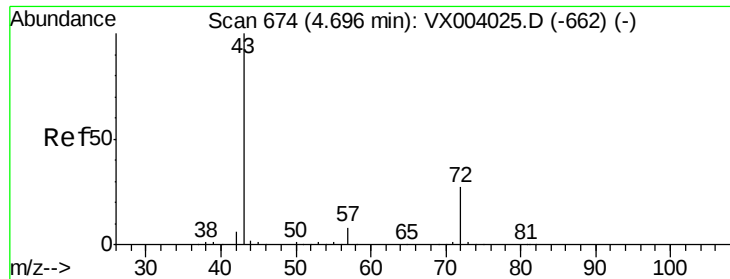
98 7.0 3.5 10.5

100 4.6 2.3 6.8



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





#25

2-Butanone

Concen: 263.98 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 928501

Ion Ratio Lower Upper

43 100

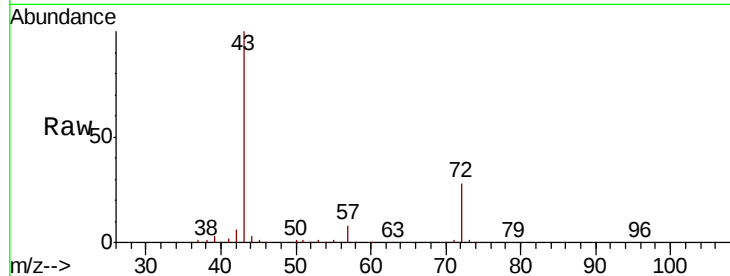
72 27.7 21.4 32.0

Manual Integrations

APPROVED

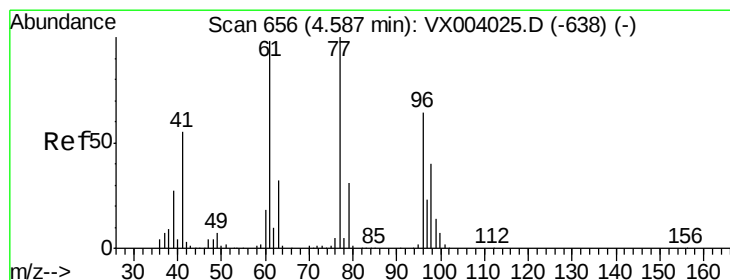
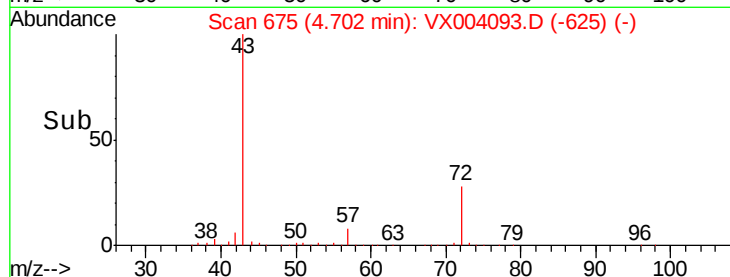
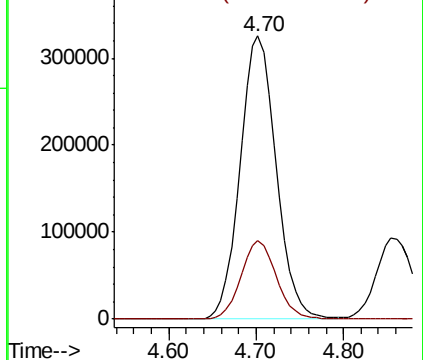
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 33.65 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004093.D

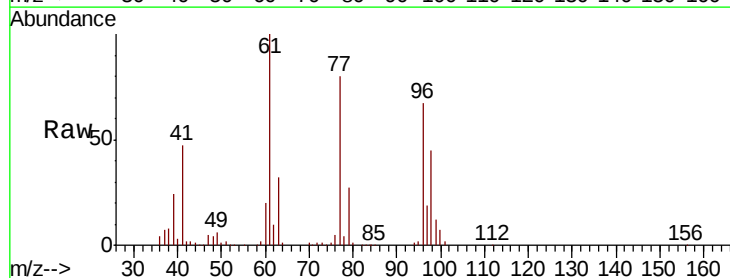
Acq: 16 Aug 2018 00:54

Tgt Ion: 77 Resp: 175412

Ion Ratio Lower Upper

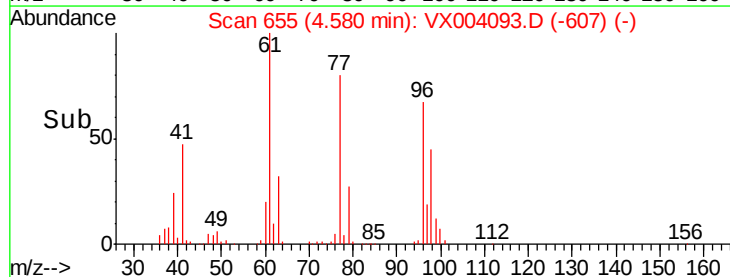
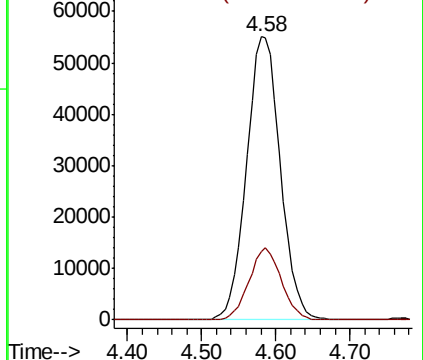
77 100

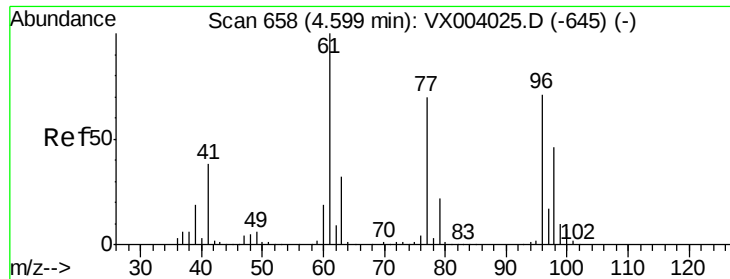
97 24.3 11.9 35.9



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: 50.04 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

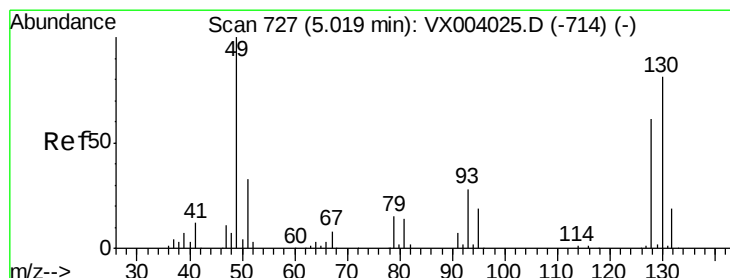
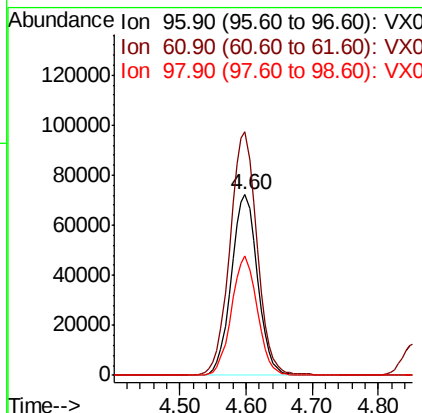
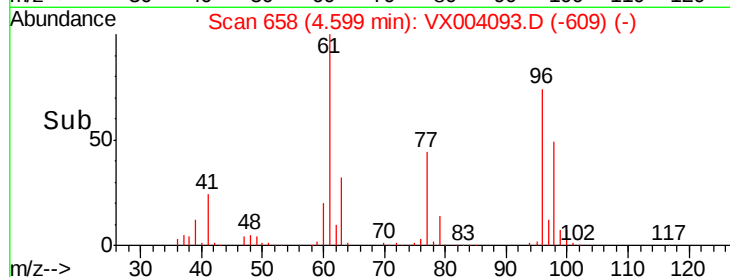
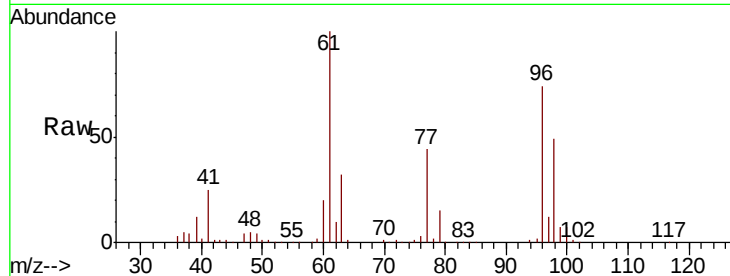
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	198413
Ion Ratio	Lower	Upper	
96	100		
61	139.4	0.0	293.0
98	65.0	0.0	131.8

Manual Integrations
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#28

Bromochloromethane

Concen: 51.44 ug/l

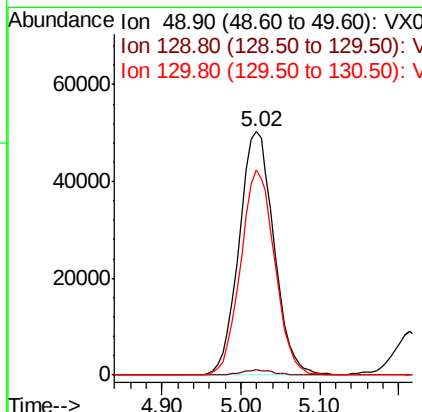
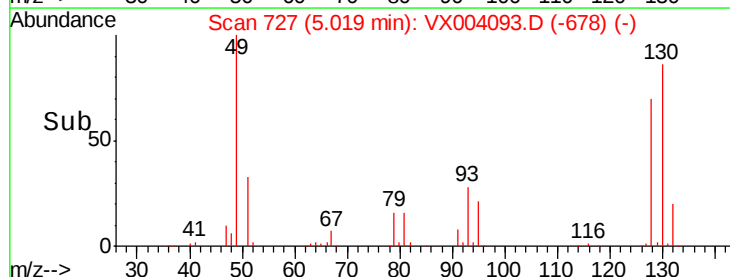
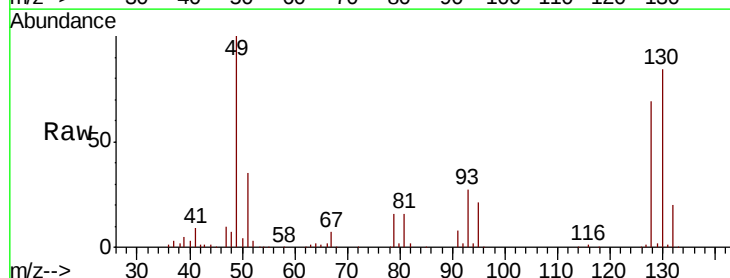
RT: 5.02 min Scan# 727

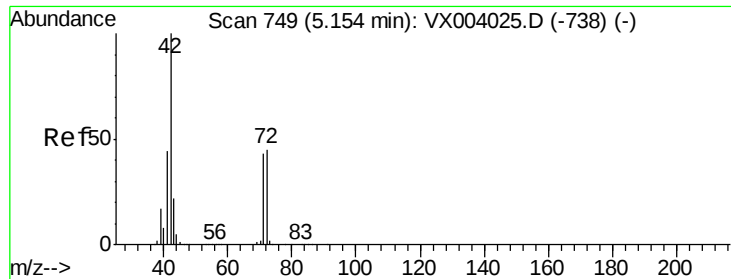
Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion:	49	Resp:	154719
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	82.4	66.5	99.7





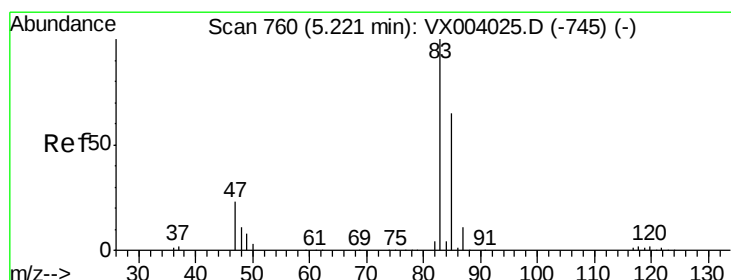
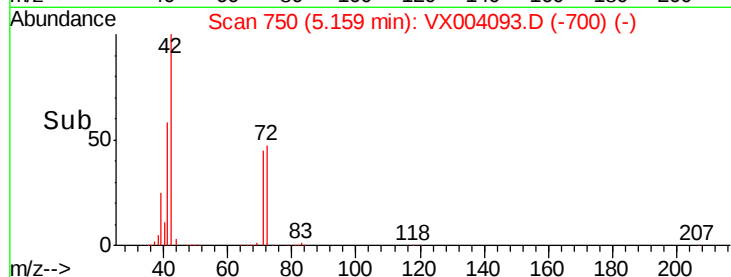
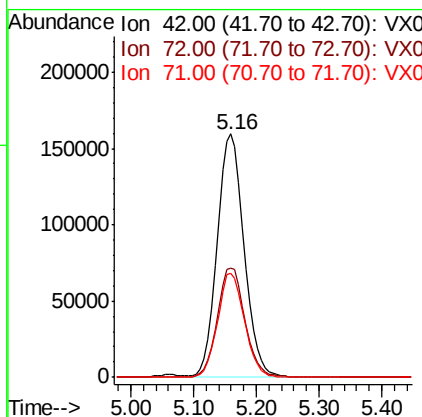
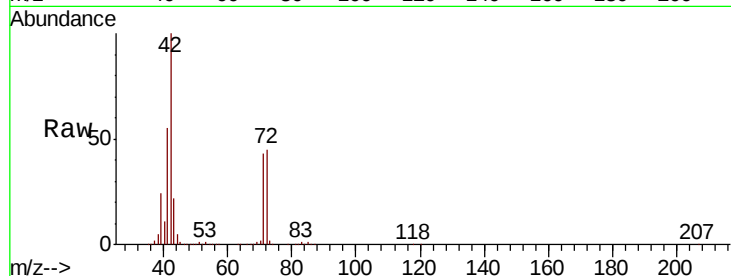
#29
Tetrahydrofuran
Concen: 262.78 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.7	56.5
71	43.0	35.0	52.6

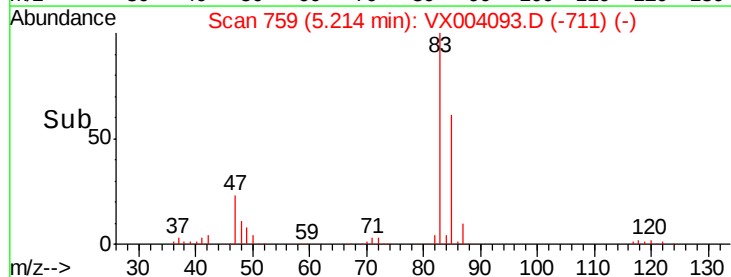
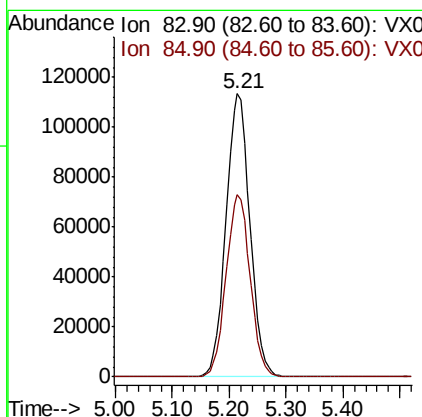
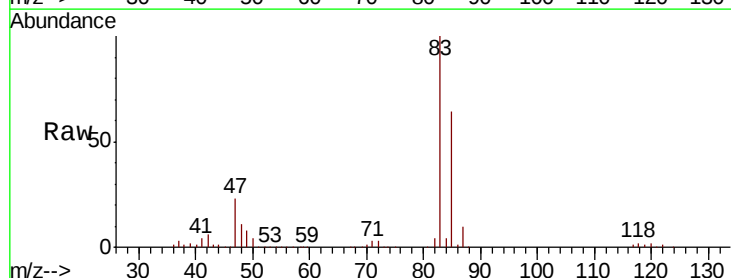
Manual Integrations
APPROVED

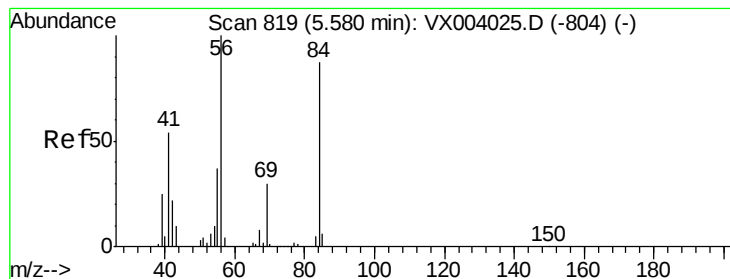
MMDadoda
8/16/2018 4:40:03 PM



#30
Chloroform
Concen: 51.89 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.7	76.1





#31

Cyclohexane

Concen: 48.52 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

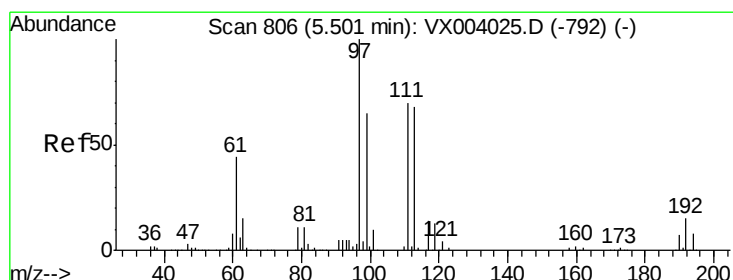
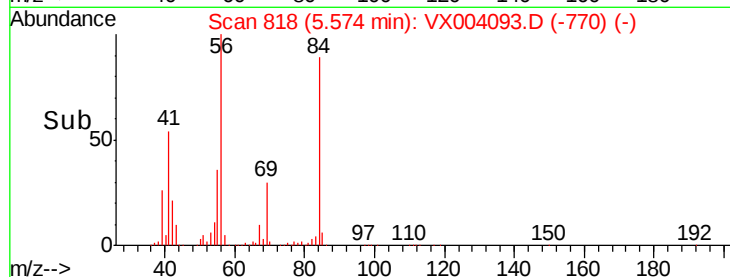
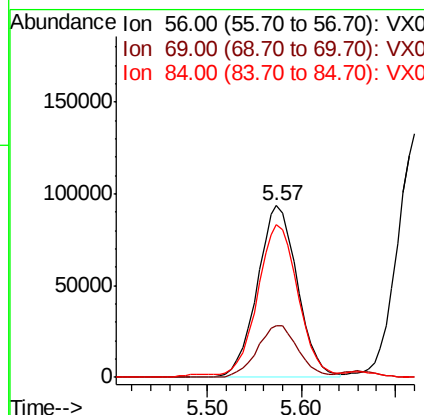
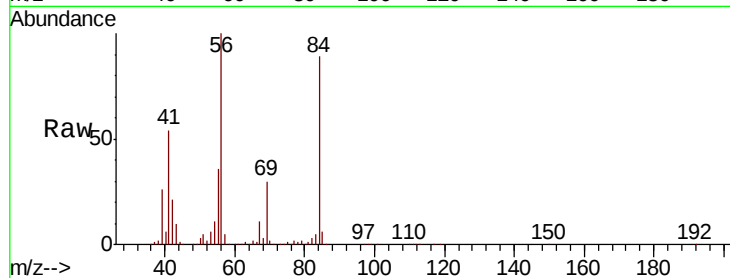
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	278845
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.9	37.3
84	87.7	71.7	107.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.01 ug/l

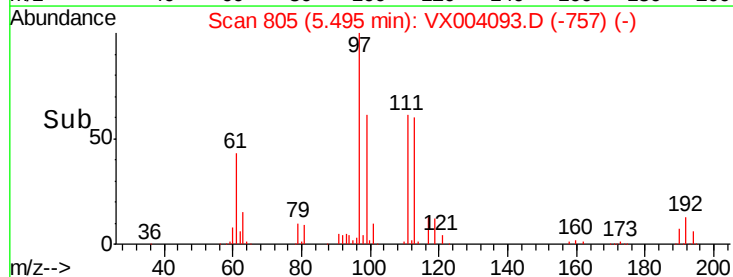
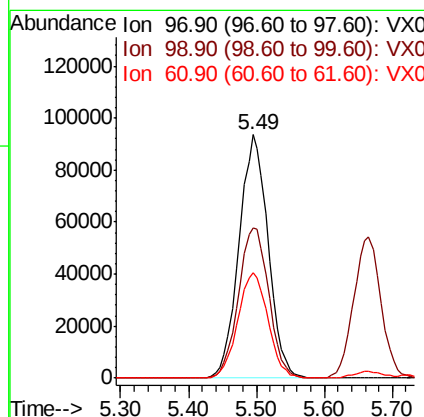
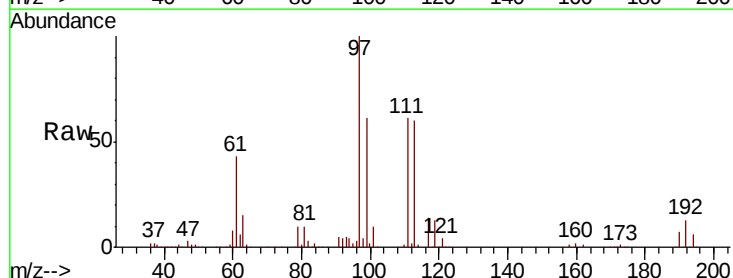
RT: 5.49 min Scan# 805

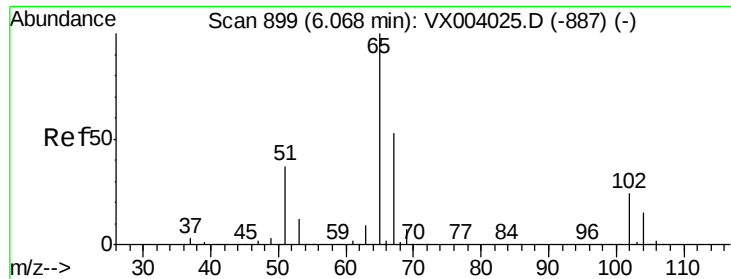
Delta R.T. -0.01 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion:	97	Resp:	278104
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	45.0	34.4	51.6





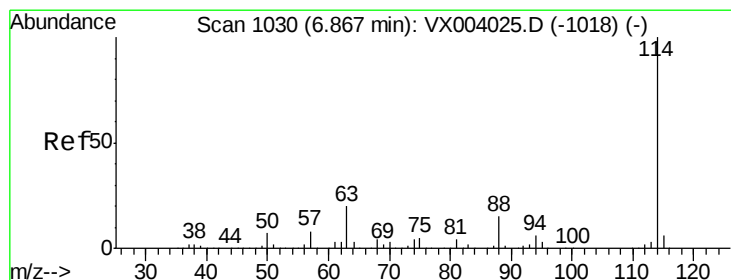
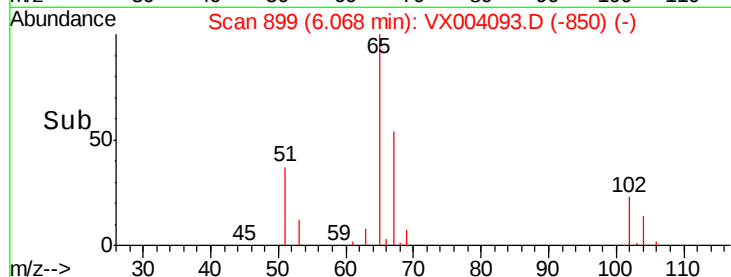
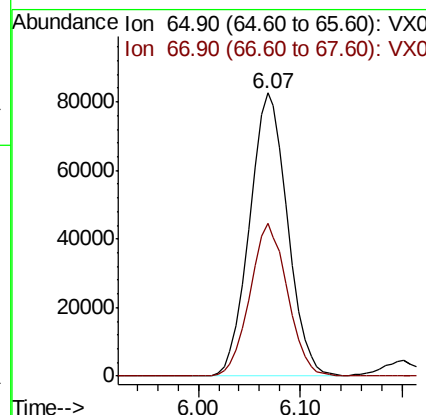
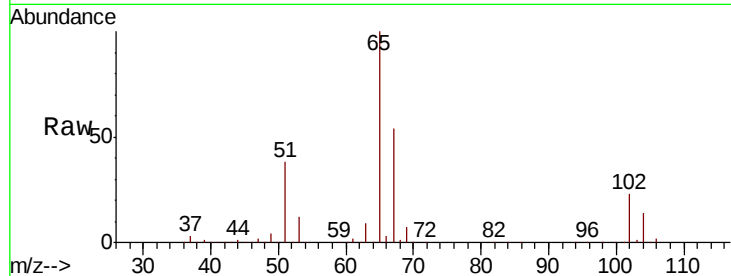
#33
 1,2-Dichloroethane-d4
 Concen: 51.46 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213950		
67	53.3	0.0	105.8	

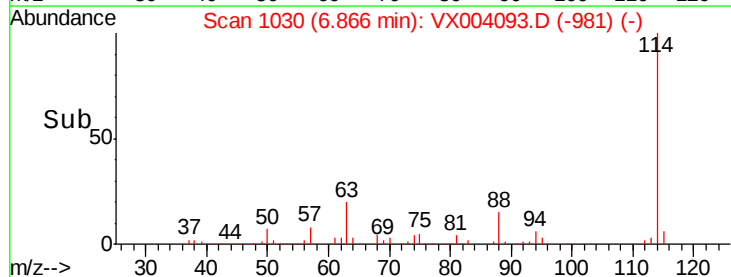
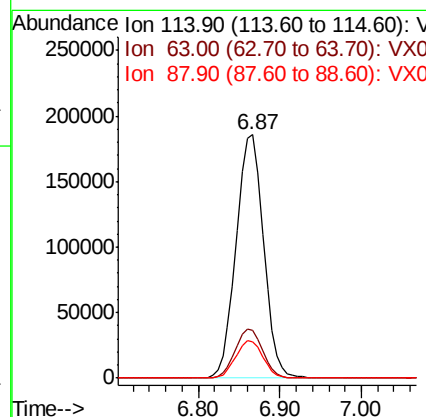
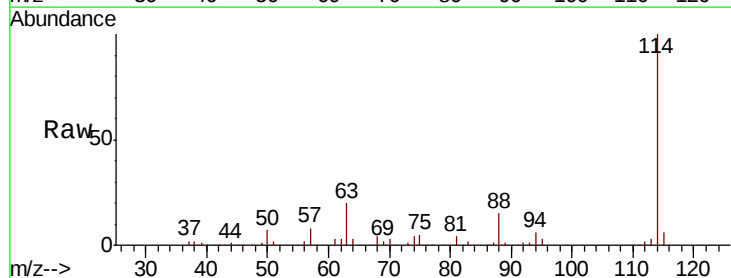
Manual Integrations
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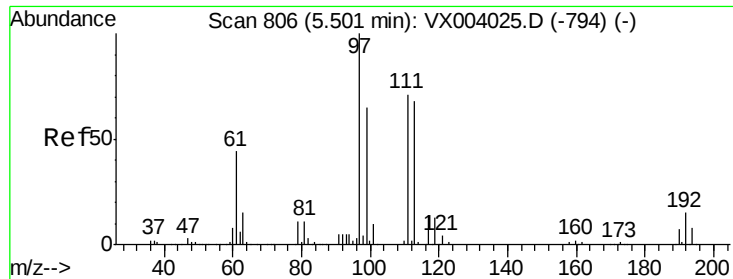
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	432090		
63	19.5	0.0	39.0	
88	15.0	0.0	32.0	





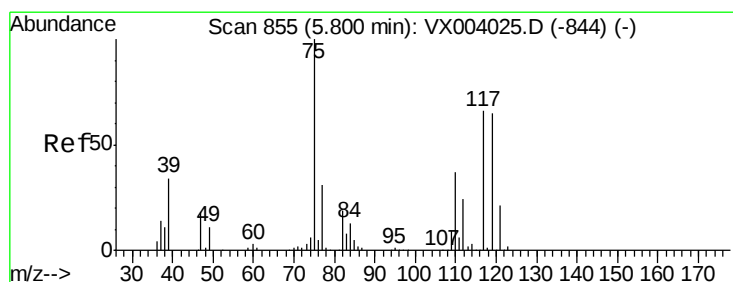
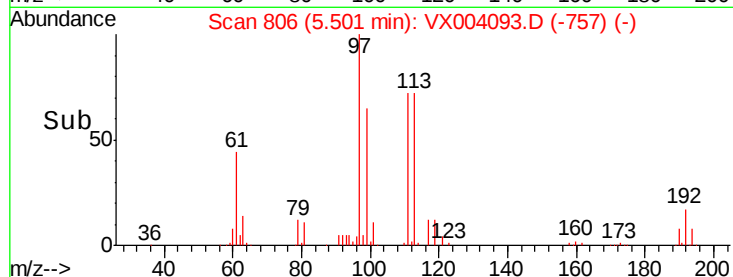
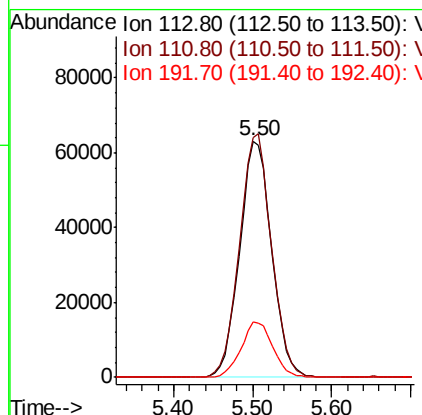
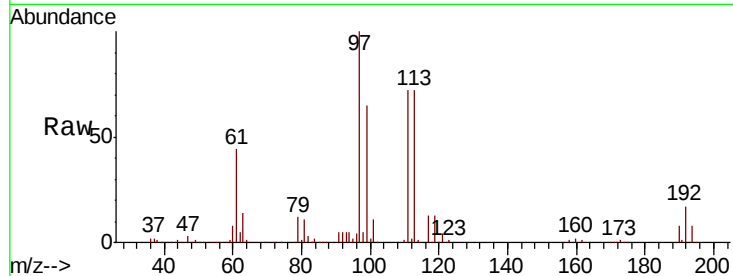
#35
 Dibromofluoromethane
 Concen: 55.04 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177980		
111	102.8	82.0	123.0	
192	23.3	19.0	28.4	

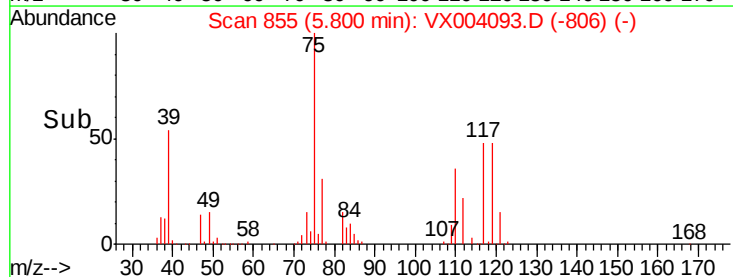
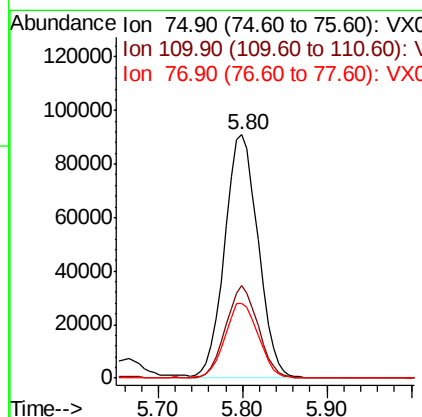
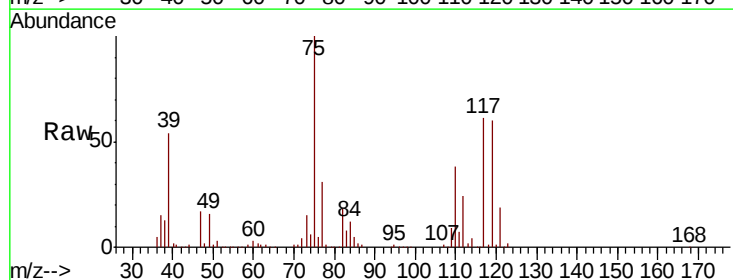
Manual Integrations
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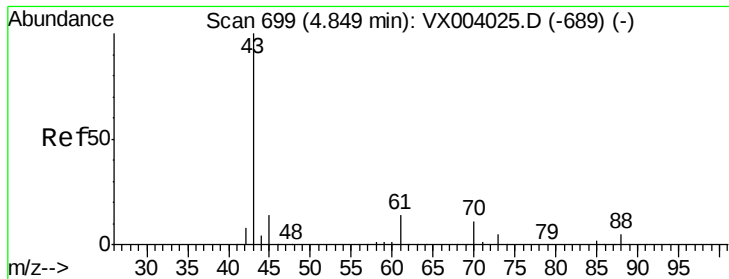
MMDadoda
 8/16/2018 4:40:03 PM



#36
 1,1-Dichloropropene
 Concen: 50.07 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246190		
110	36.7	18.2	54.6	
77	30.7	25.0	37.4	





#37

Ethyl Acetate

Concen: 51.76 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

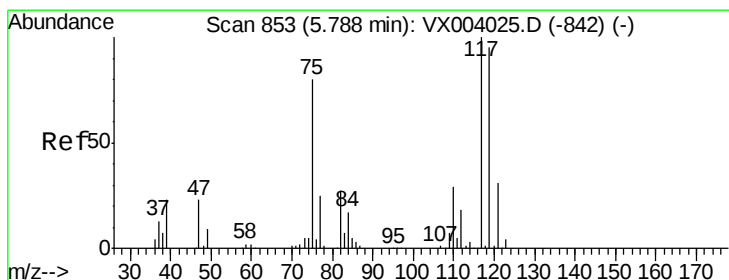
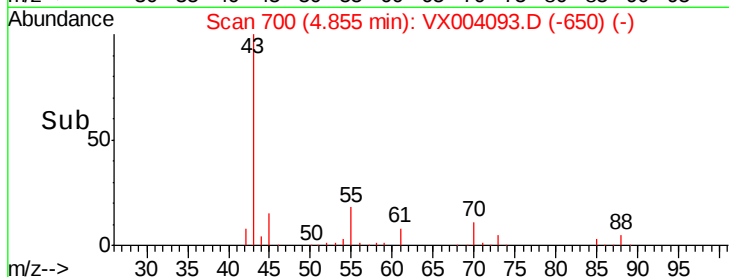
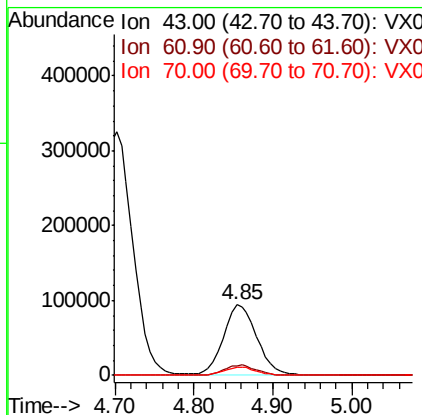
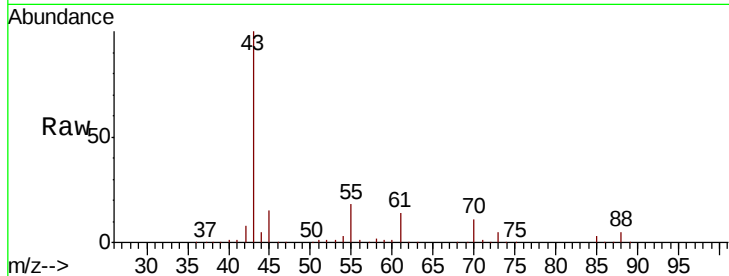
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	277146
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.1	9.0	13.4

Manual Integrations
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8/16/2018 4:40:03 PM



#38

Carbon Tetrachloride

Concen: 51.24 ug/l

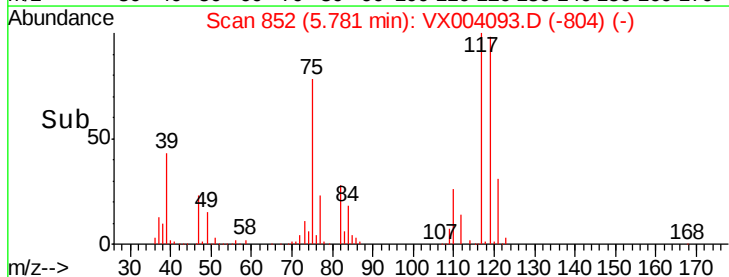
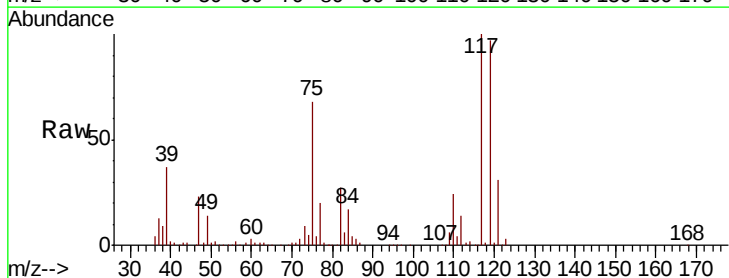
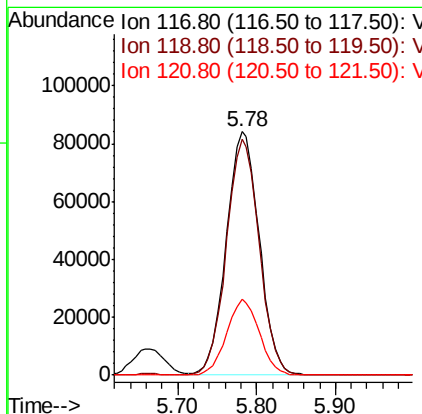
RT: 5.78 min Scan# 852

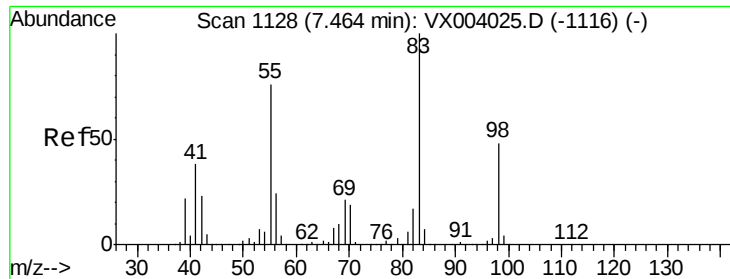
Delta R.T. -0.01 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion:	117	Resp:	244786
Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.5	119.3
121	31.2	25.0	37.4





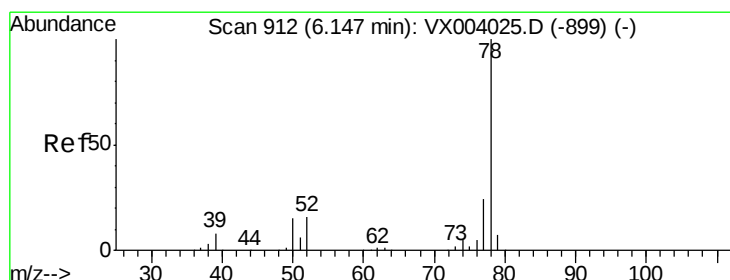
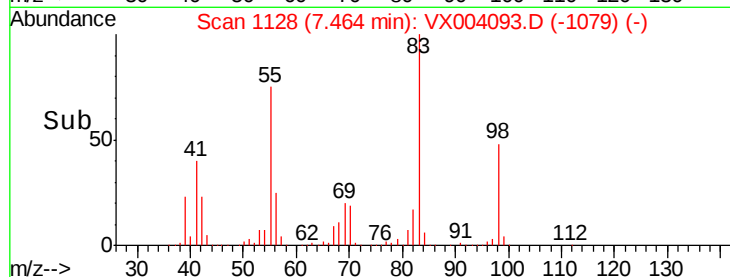
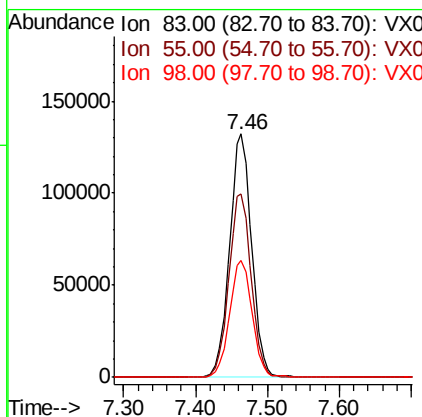
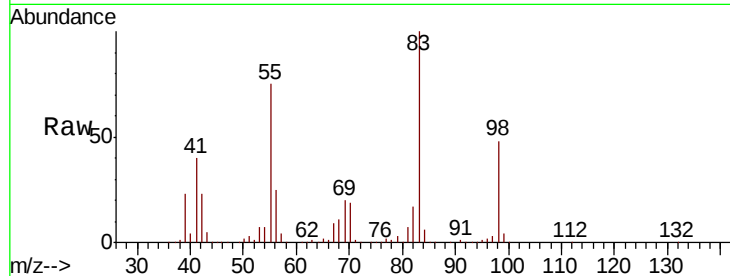
#39
Methvlcvclohexane
Concen: 50.56 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	282032		
55	75.1		61.0	91.6
98	48.1		38.6	57.8

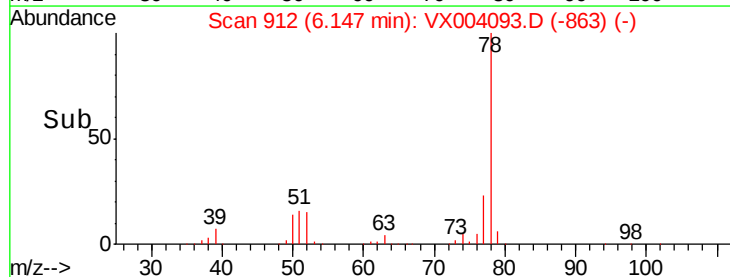
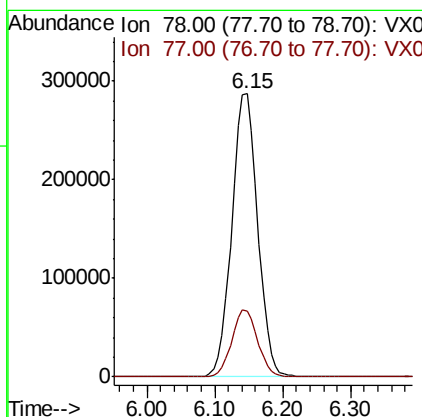
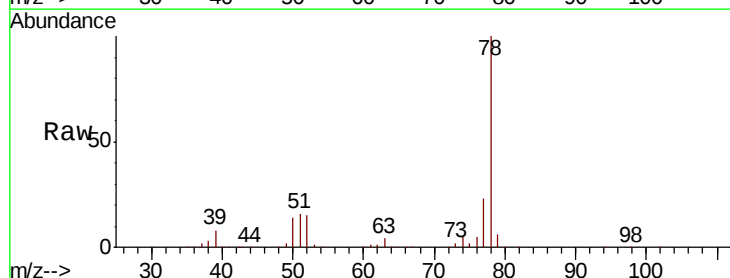
Manual Integrations
APPROVED

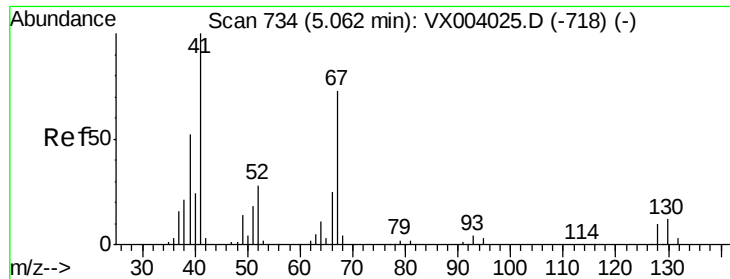
MMDadoda
8/16/2018 4:40:03 PM



#40
Benzene
Concen: 51.27 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	756939		
77	23.5		19.0	28.4





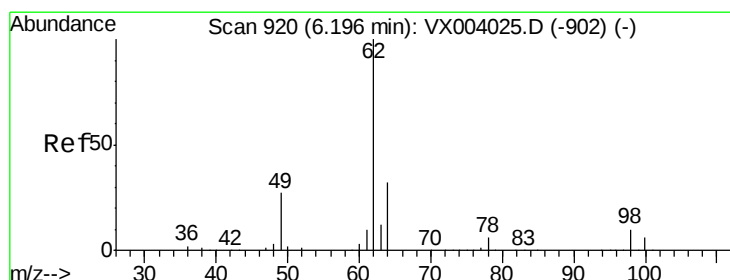
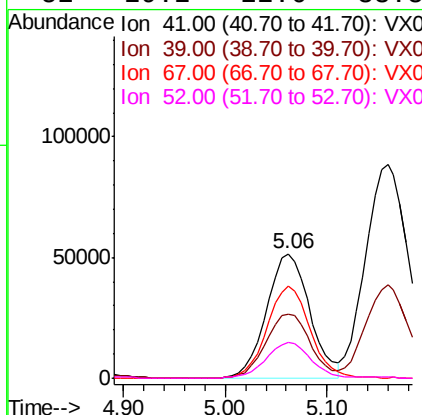
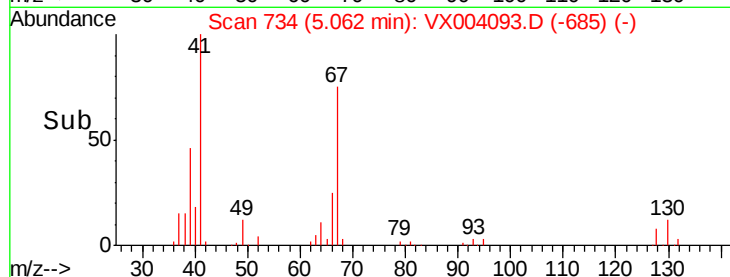
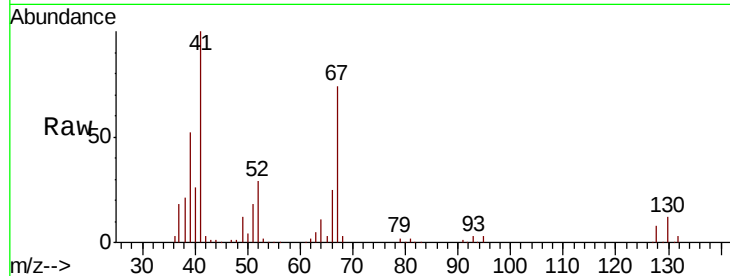
#41
Methacrylonitrile
Concen: 50.54 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.7	64.1	
67	73.5	58.9	88.3	
52	29.2	22.6	33.8	

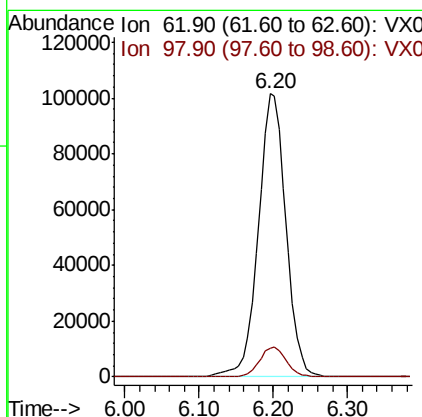
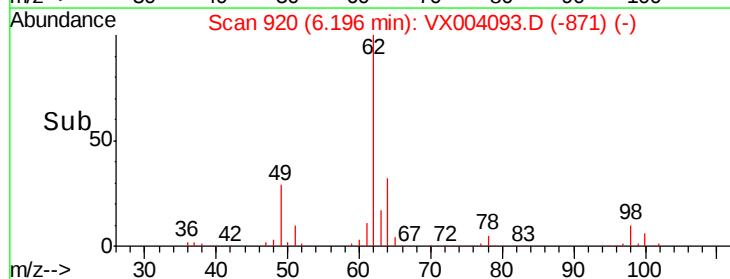
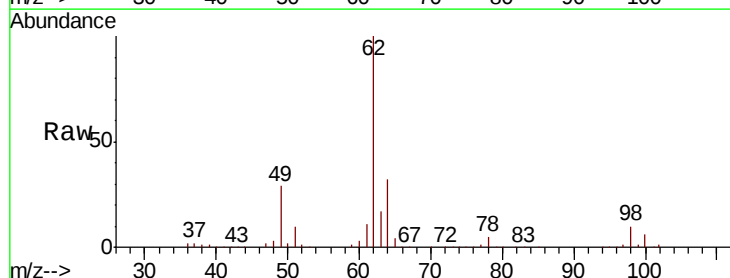
Manual Integrations
APPROVED

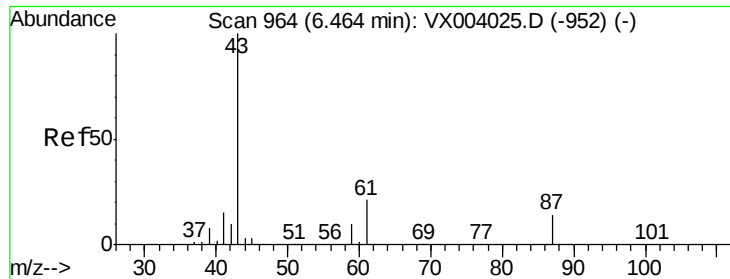
MMDadoda
8/16/2018 4:40:03 PM



#42
1,2-Dichloroethane
Concen: 50.86 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

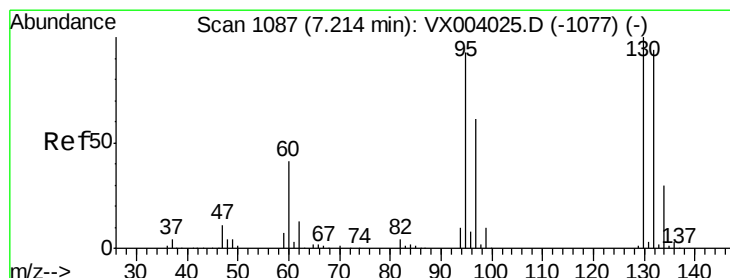
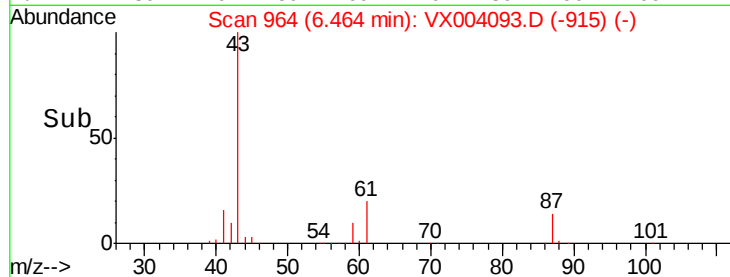
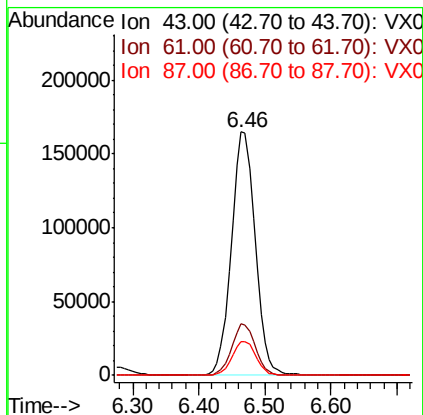
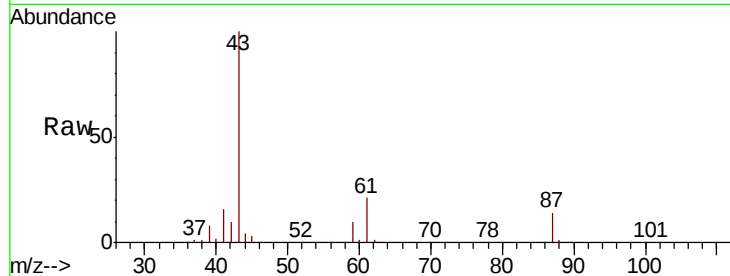
Isopropyl Acetate
 Concen: 52.03 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
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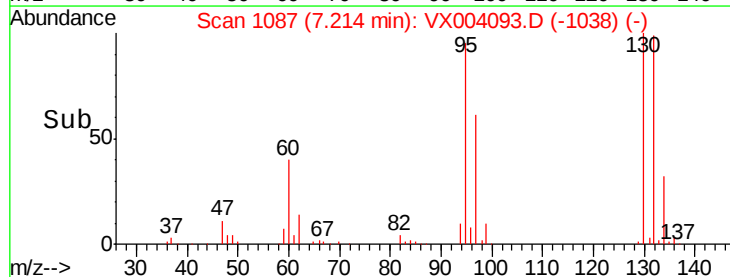
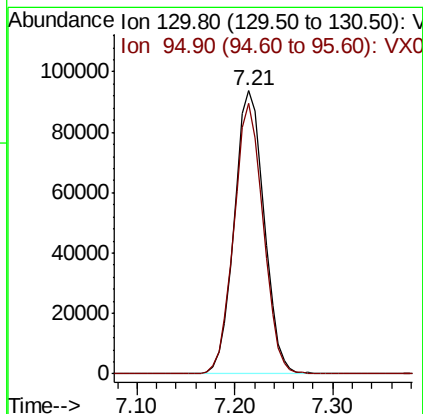
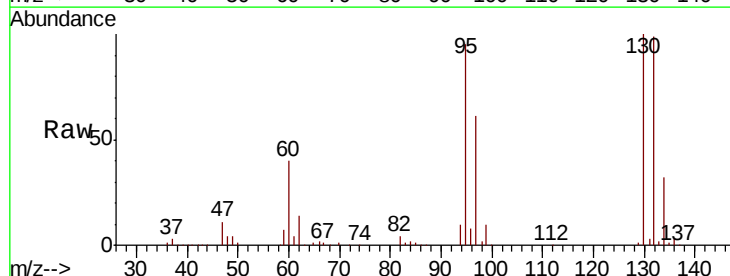
MMDadoda
 8/16/2018 4:40:03 PM

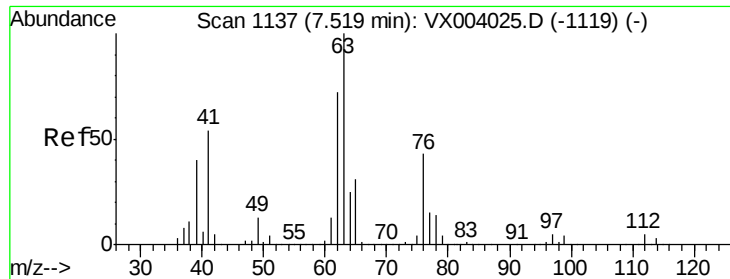


#44

Trichloroethene
 Concen: 49.74 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	199.4





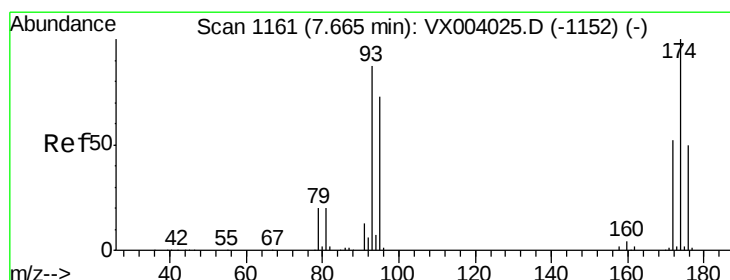
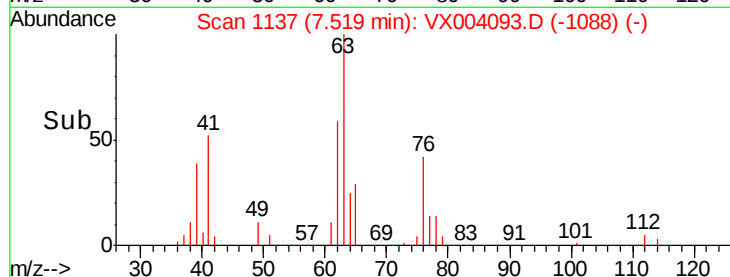
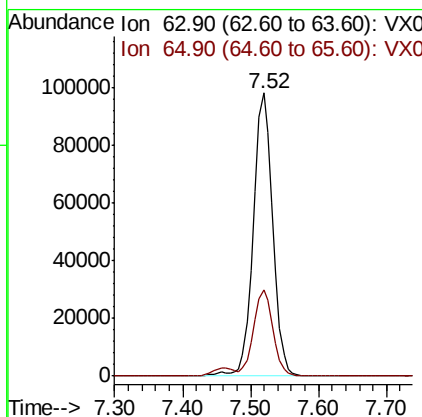
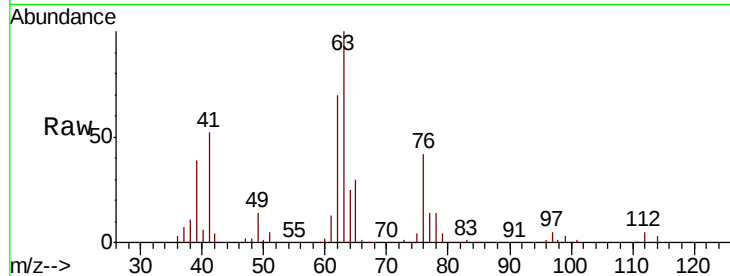
#45
 1,2-Dichloropropane
 Concen: 51.74 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

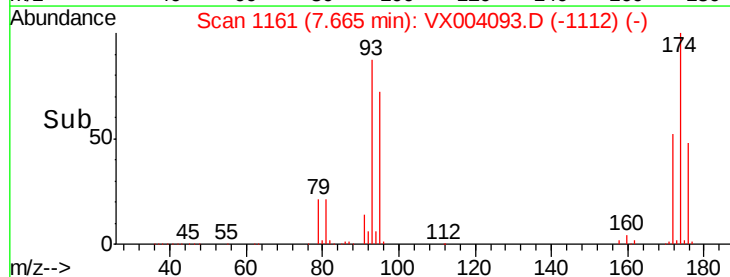
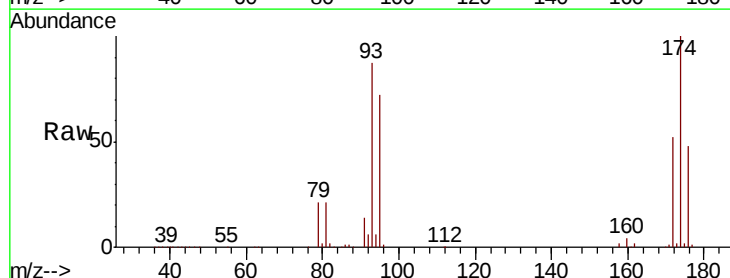
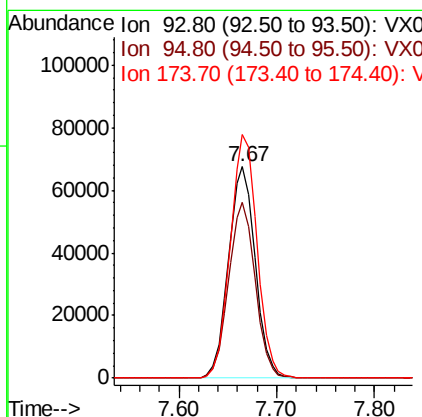
Manual Integrations
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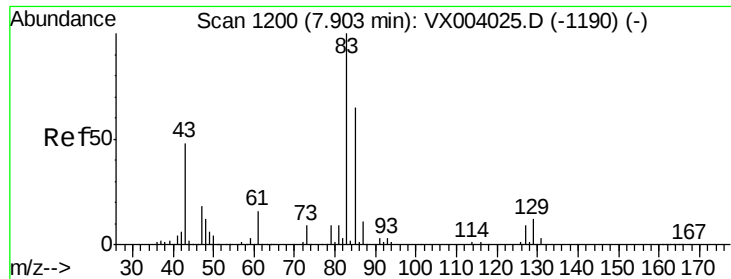
MMDadoda
 8/16/2018 4:40:03 PM



#46
 Dibromomethane
 Concen: 51.92 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.4	99.6
174	115.2	94.3	141.5





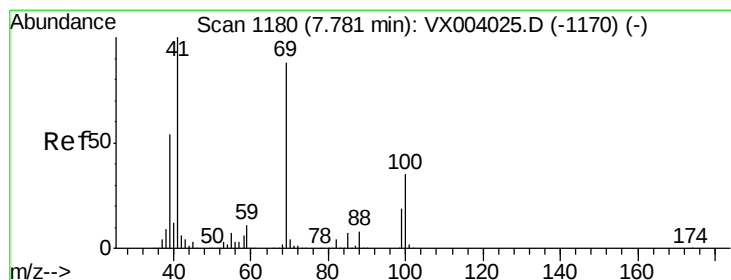
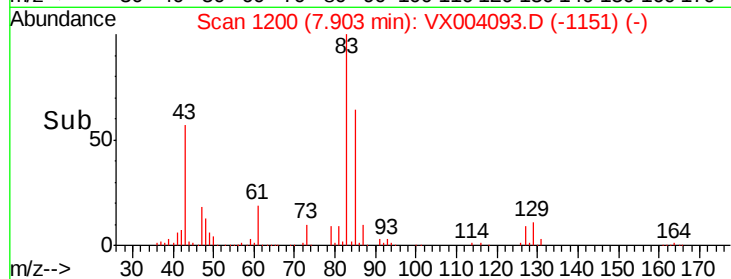
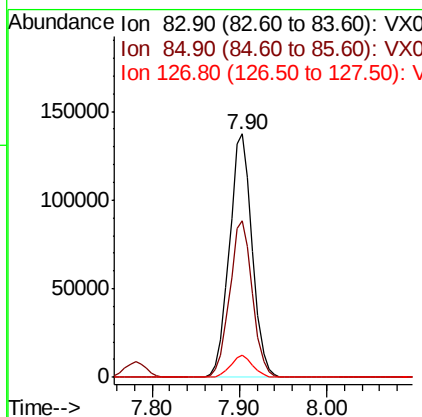
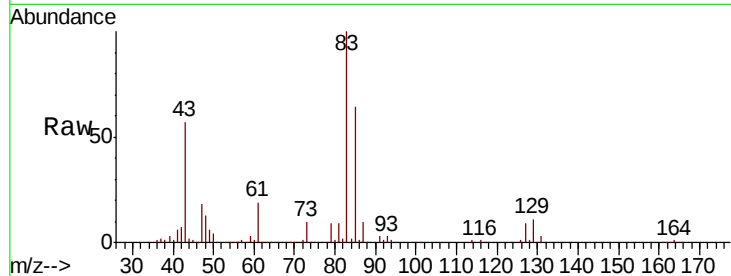
#47
 Bromodichloromethane
 Concen: 53.02 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	248049		
85	64.2		51.2	76.8
127	8.9		7.2	10.8

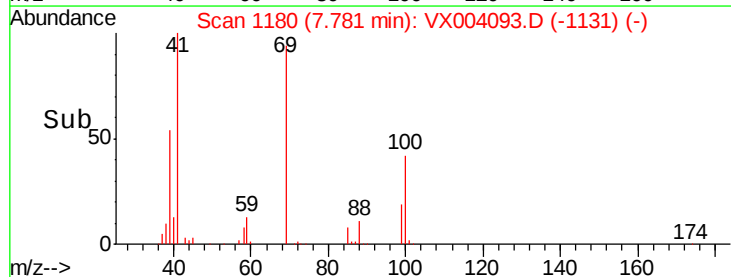
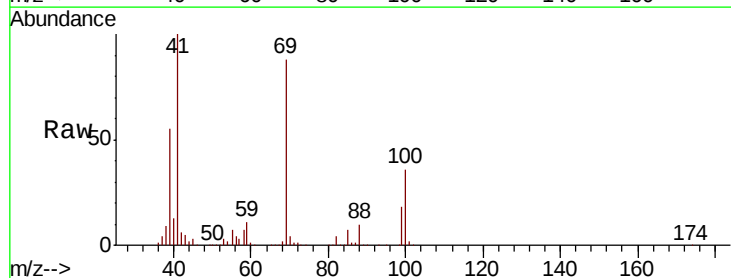
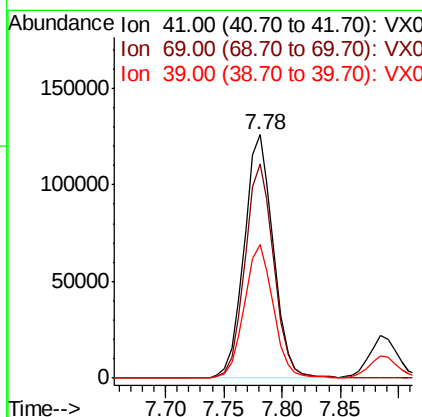
Manual Integrations
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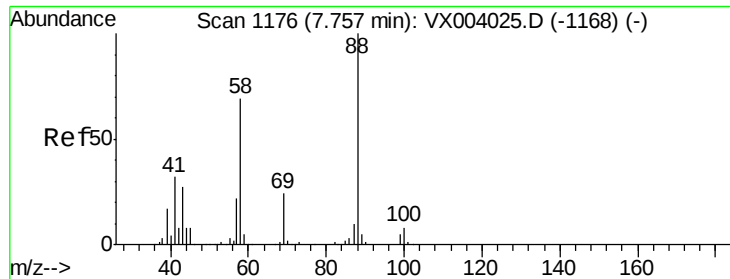
MMDadoda
 8/16/2018 4:40:03 PM



#48
 Methyl methacrylate
 Concen: 55.49 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	220439		
69	87.4		68.8	103.2
39	54.4		42.3	63.5





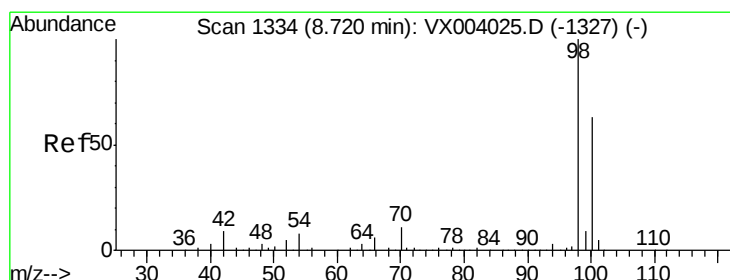
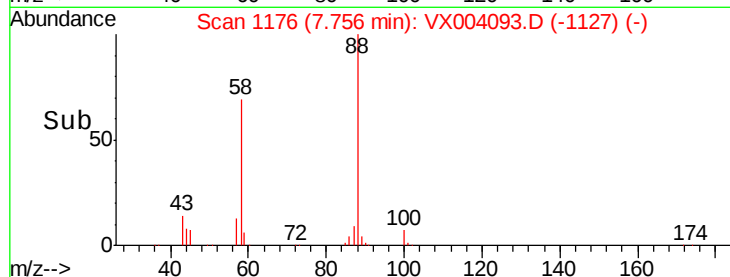
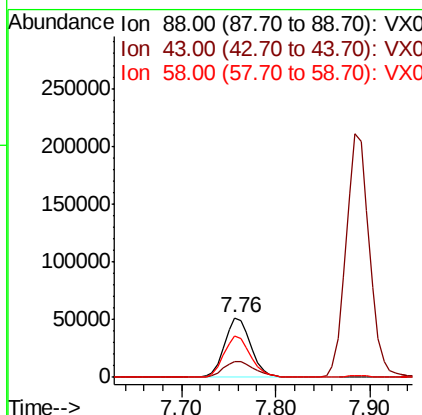
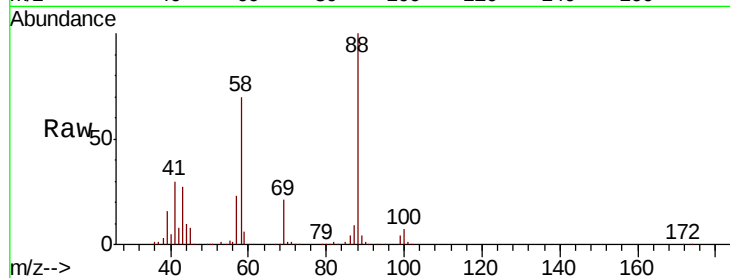
#49
1,4-Dioxane
Concen: 1108.50 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.8	35.8
58	70.7	55.4	83.0

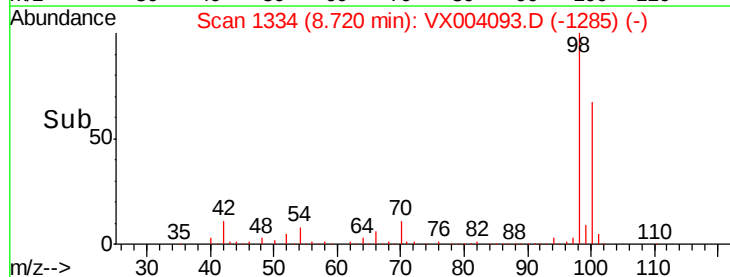
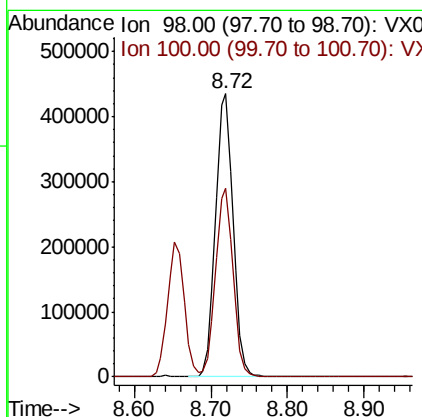
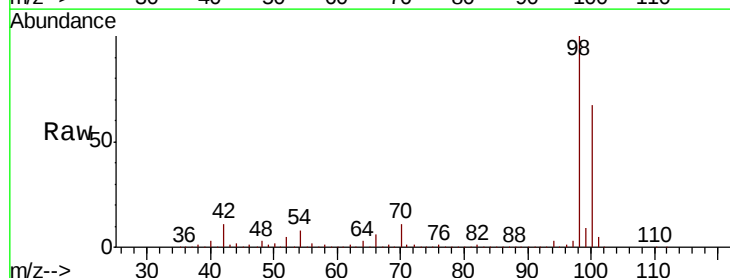
Manual Integrations
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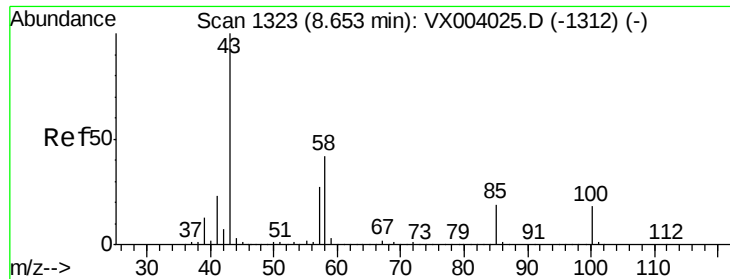
MMDadoda
8/16/2018 4:40:03 PM



#50
Toluene-d8
Concen: 52.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 283.50 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1834618

Ion Ratio Lower Upper

43 100

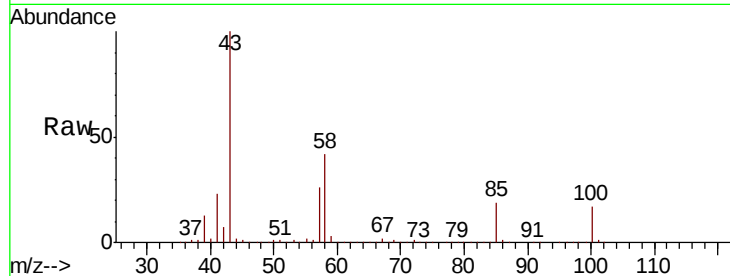
58 41.2 33.0 49.6

Manual Integrations

APPROVED

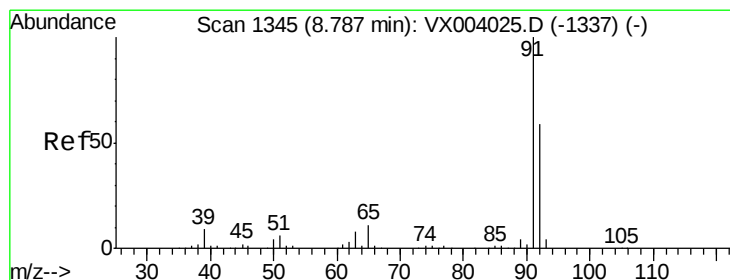
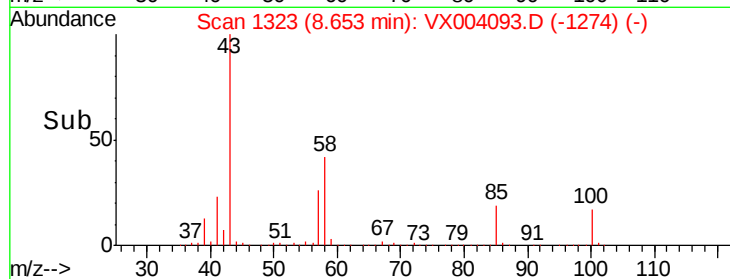
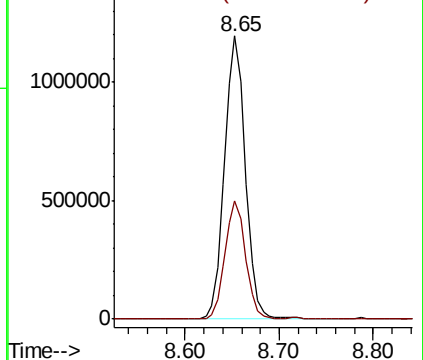
MMDadoda

8/16/2018 4:40:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004093.D

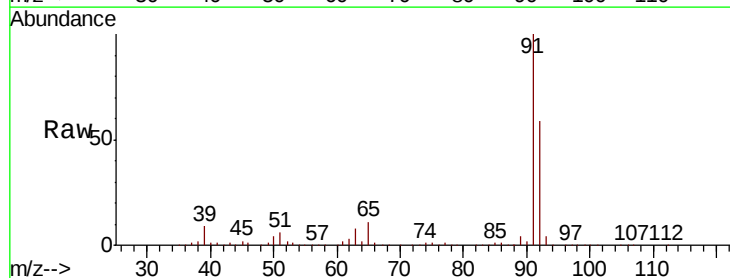
Acq: 16 Aug 2018 00:54

Tgt Ion: 92 Resp: 486029

Ion Ratio Lower Upper

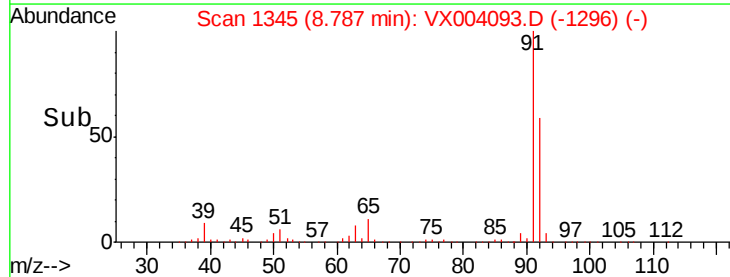
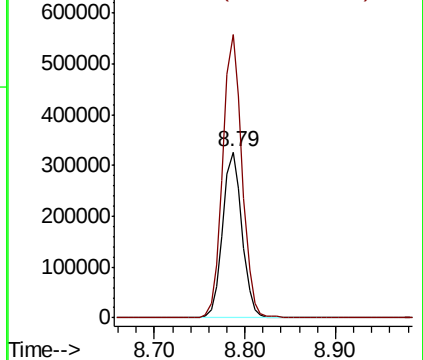
92 100

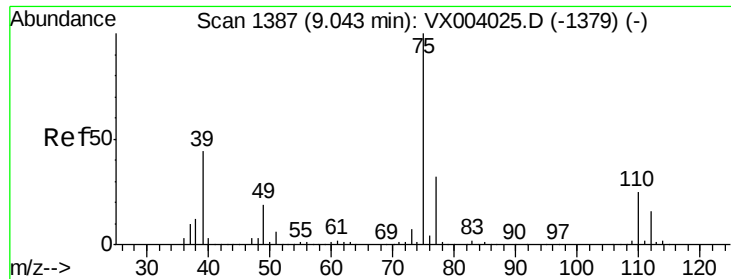
91 170.7 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





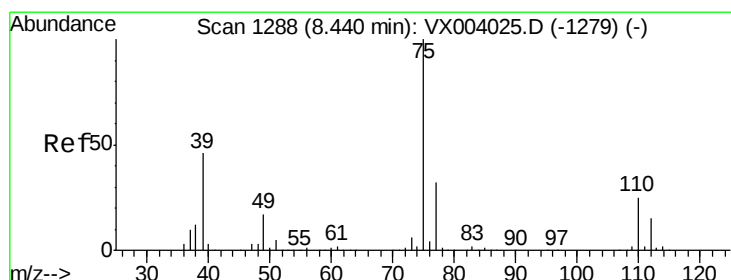
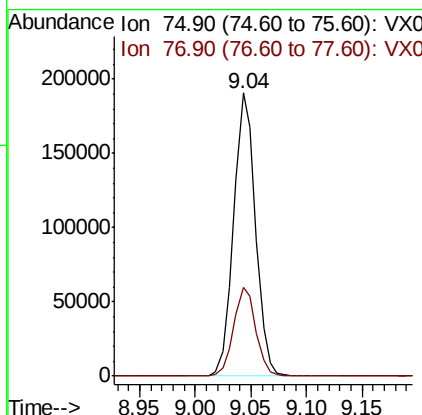
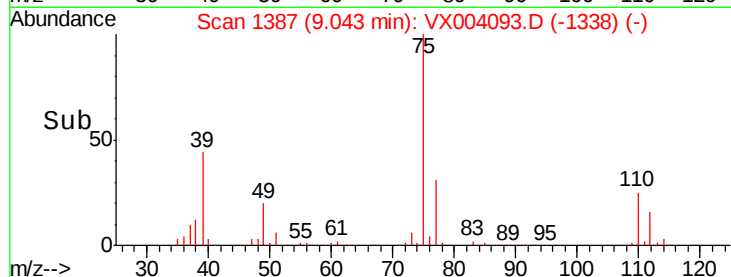
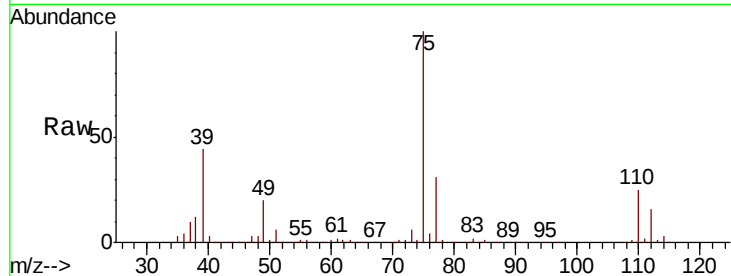
#53
t-1,3-Dichloropropene
Concen: 51.42 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 259871
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

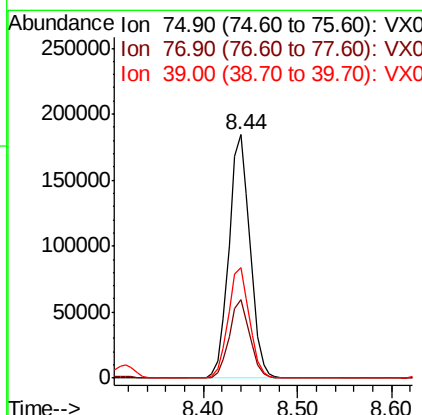
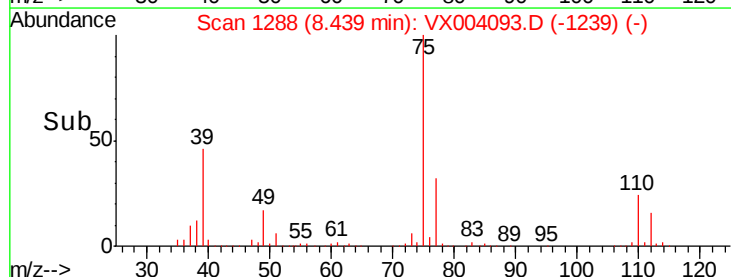
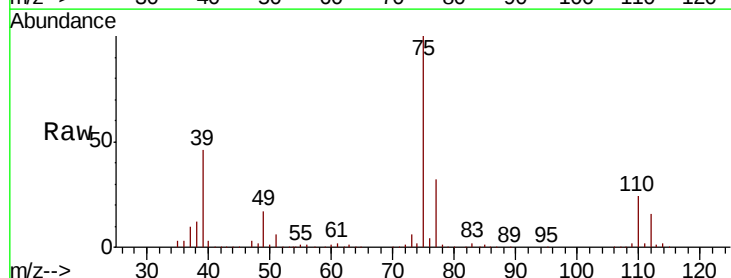
Manual Integrations
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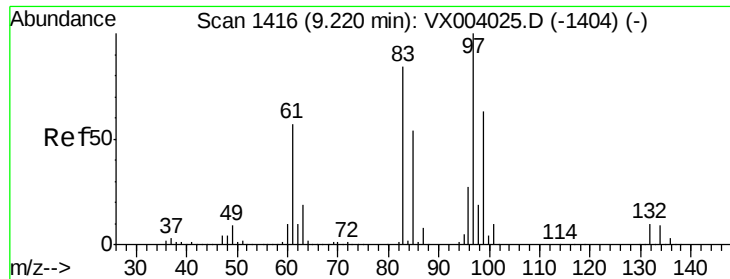
MMDadoda
8/16/2018 4:40:03 PM



#54
cis-1,3-Dichloropropene
Concen: 51.08 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion: 75 Resp: 285894
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
39 45.5 36.2 54.2





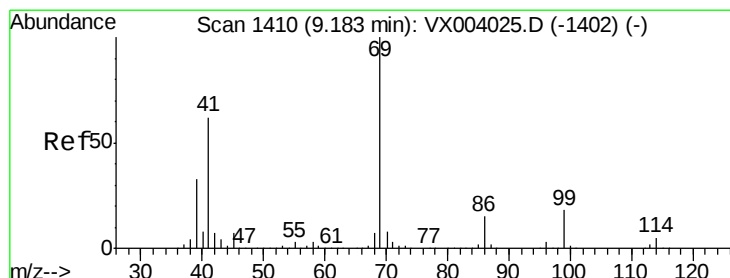
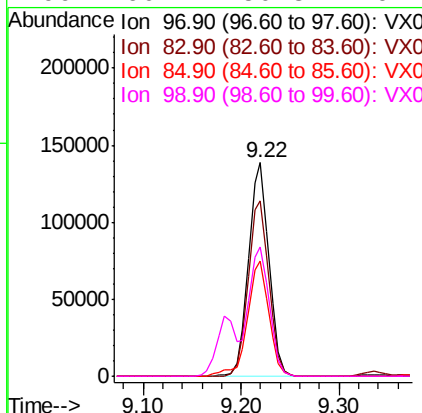
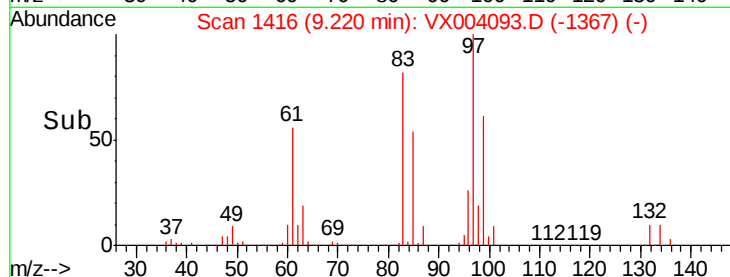
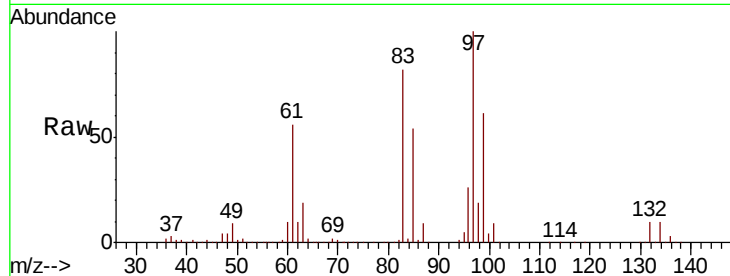
#55
 1,1,2-Trichloroethane
 Concen: 51.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	200172
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.8	101.6
85	54.0	44.2	66.2
99	60.7	50.8	76.2

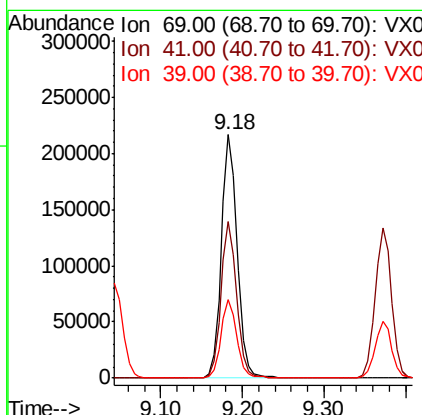
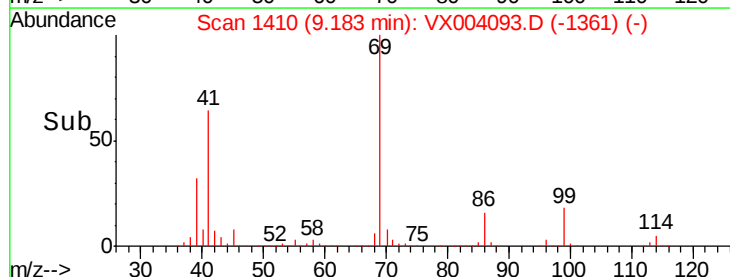
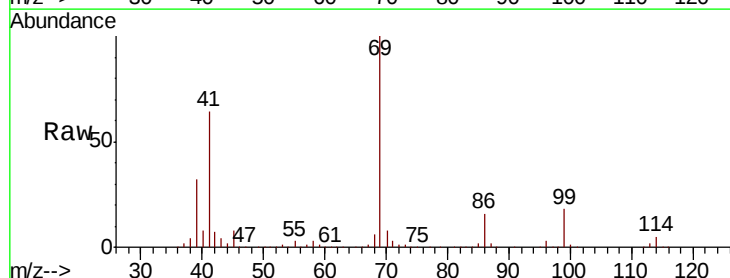
Manual Integrations
 APPROVED

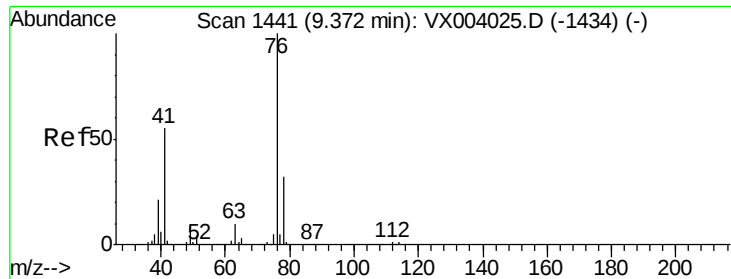
MMDadoda
 8/16/2018 4:40:03 PM



#56
 Ethyl methacrylate
 Concen: 56.15 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	69	Resp	294414
Ion	Ratio	Lower	Upper
69	100		
41	63.6	50.6	76.0
39	32.3	25.8	38.6





#57

1,3-Dichloropropane

Concen: 52.23 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 334119

Ion Ratio Lower Upper

76 100

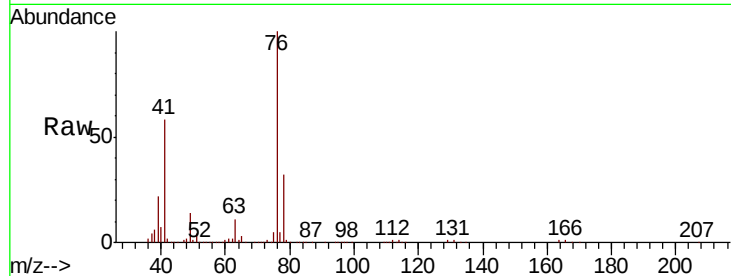
78 32.2 25.9 38.9

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

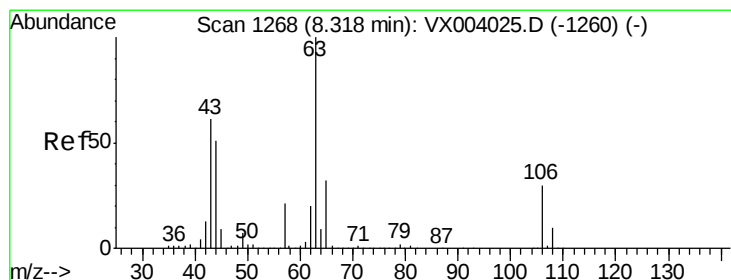
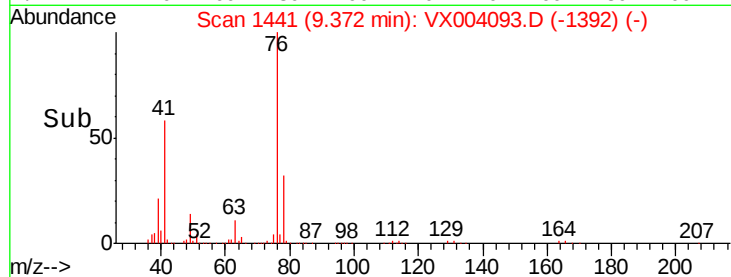
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 288.30 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004093.D

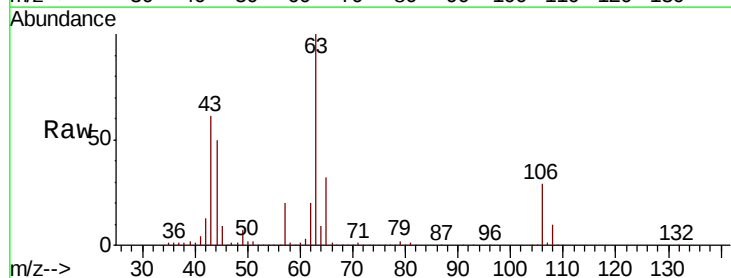
Acq: 16 Aug 2018 00:54

Tgt Ion: 63 Resp: 769760

Ion Ratio Lower Upper

63 100

106 29.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

600000

500000

400000

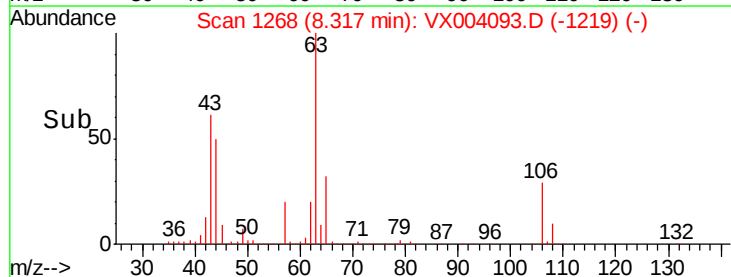
300000

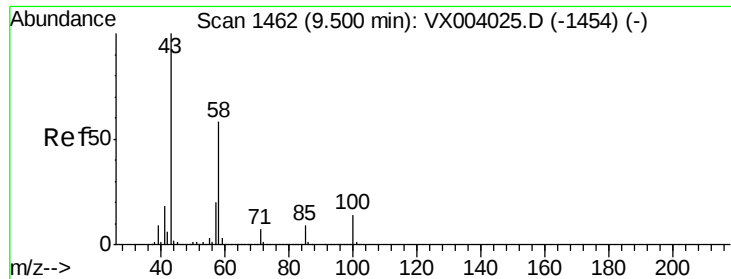
200000

100000

0

Time-->





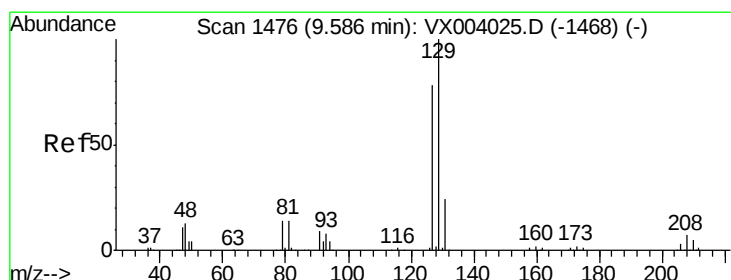
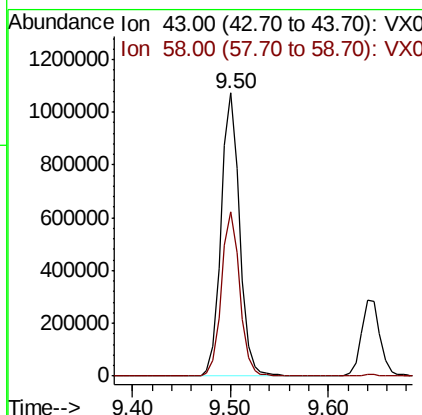
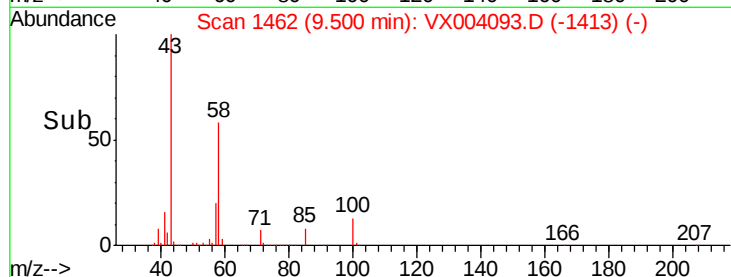
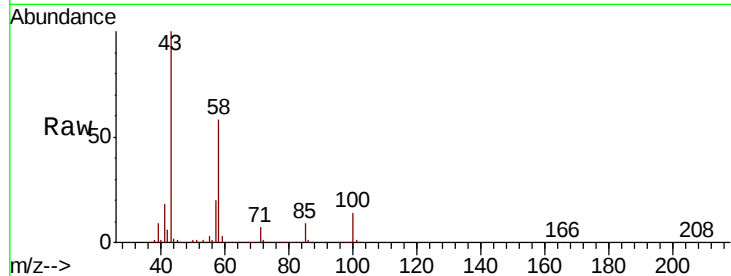
#59
2-Hexanone
Concen: 288.90 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1407033
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

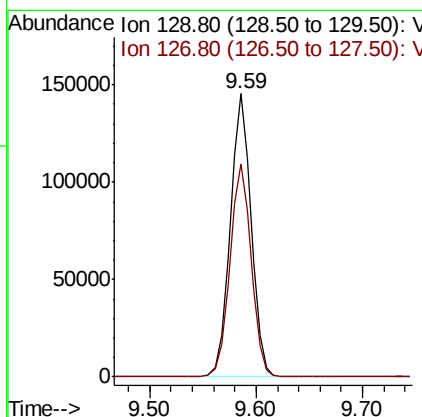
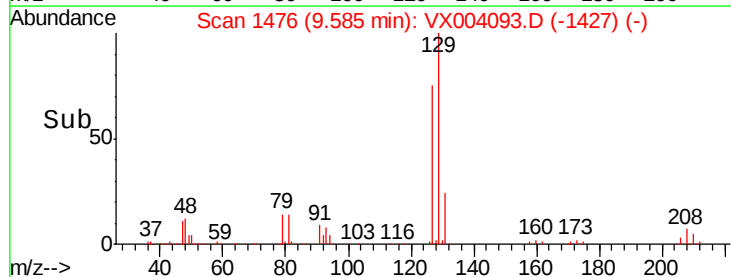
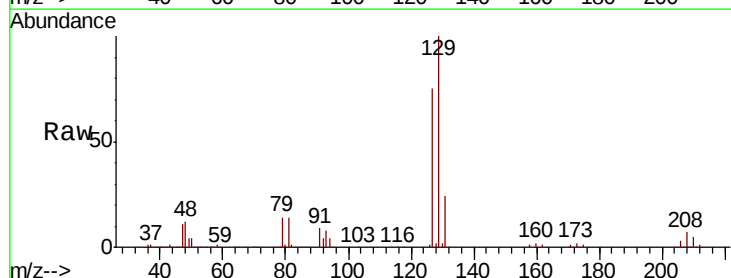
Manual Integrations
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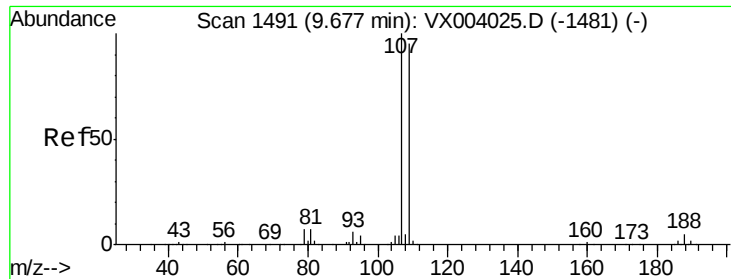
MMDadoda
8/16/2018 4:40:03 PM



#60
Dibromochloromethane
Concen: 53.95 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion: 129 Resp: 200179
Ion Ratio Lower Upper
129 100
127 76.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 52.77 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 207429

Ion Ratio Lower Upper

107 100

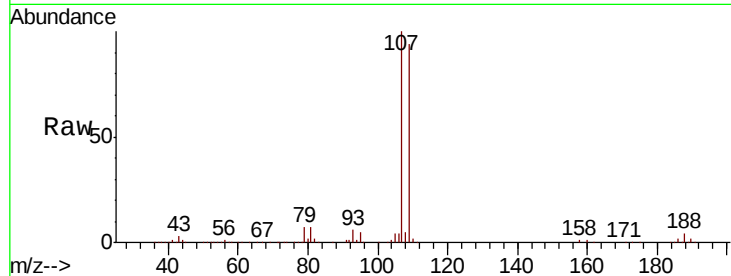
109 94.3 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

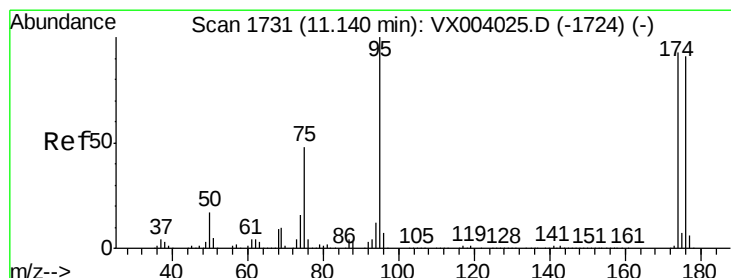
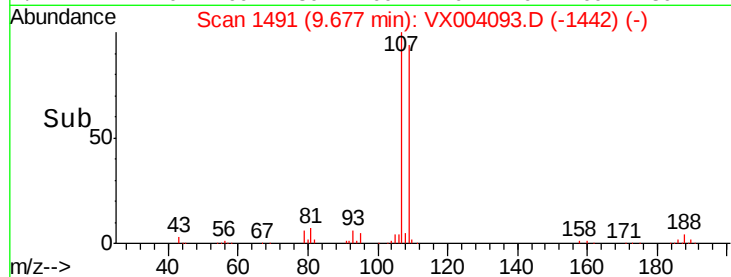
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

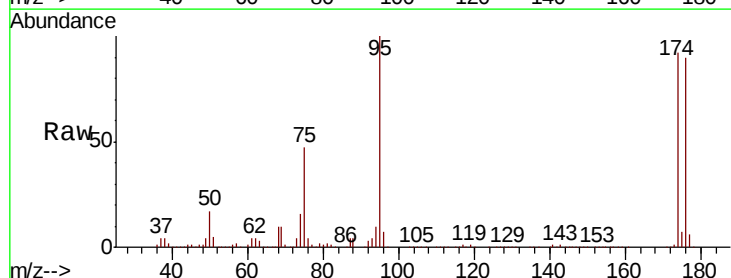
Tgt Ion: 95 Resp: 255825

Ion Ratio Lower Upper

95 100

174 89.6 0.0 182.8

176 87.4 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

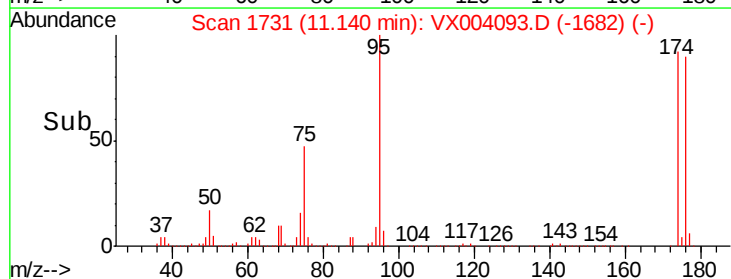
150000

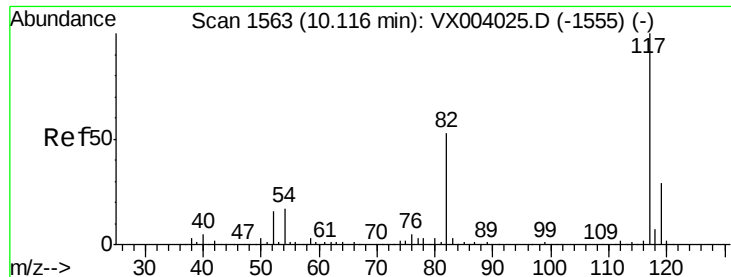
100000

50000

0

Time-->





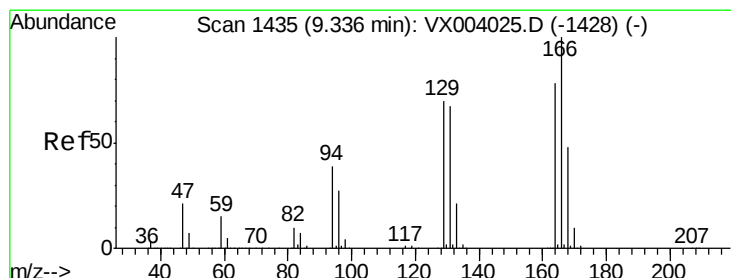
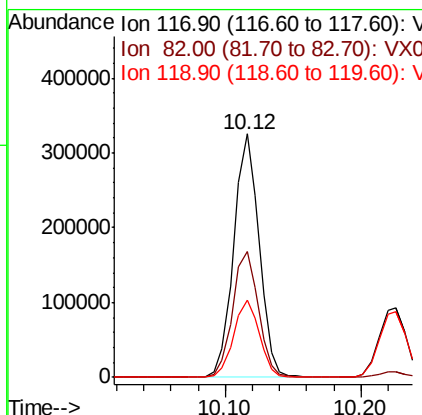
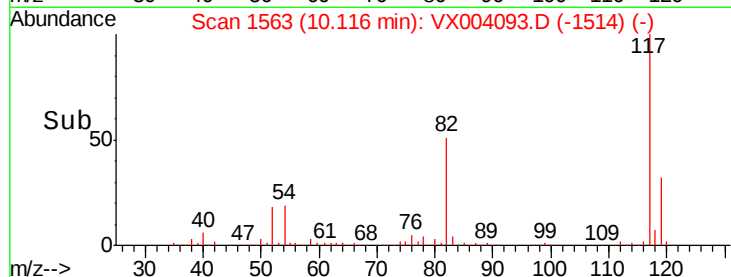
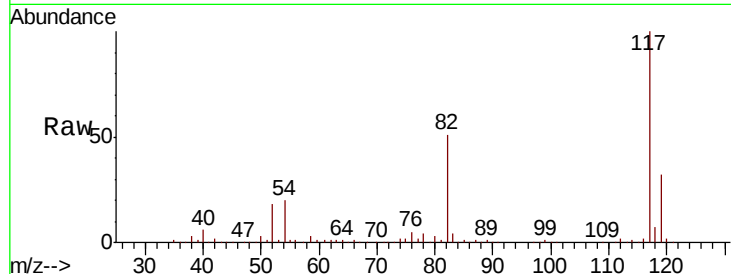
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	45.4	68.0
119	31.8	26.6	40.0

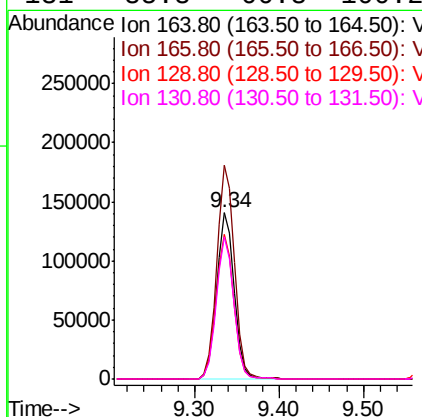
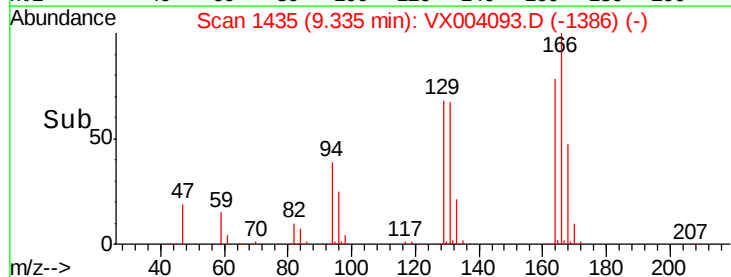
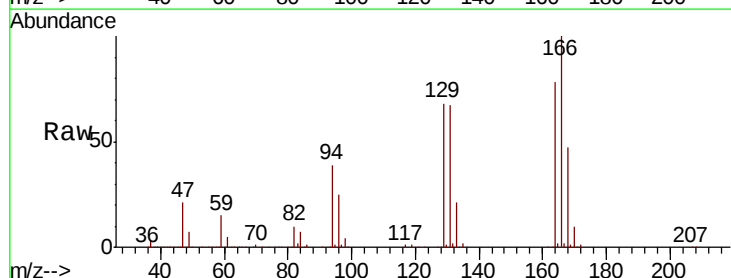
Manual Integrations
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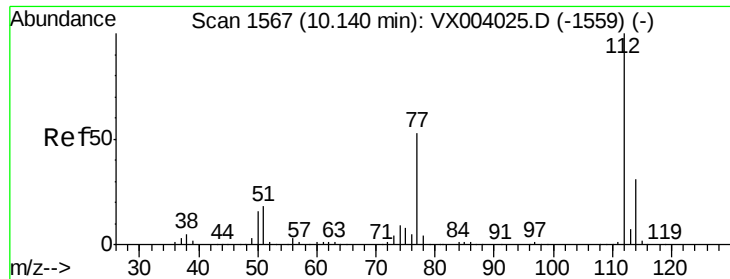
MMDadoda
8/16/2018 4:40:03 PM



#64
Tetrachloroethene
Concen: 50.94 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	98.0	147.0
129	87.5	64.3	96.5
131	85.8	66.8	100.2





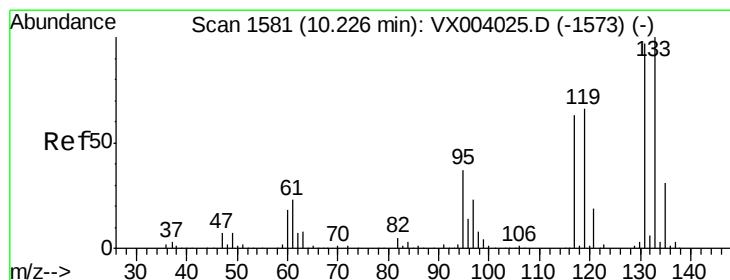
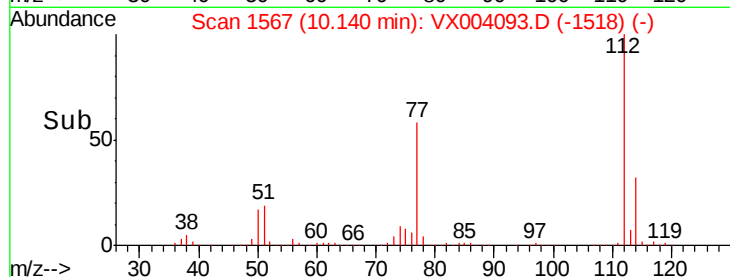
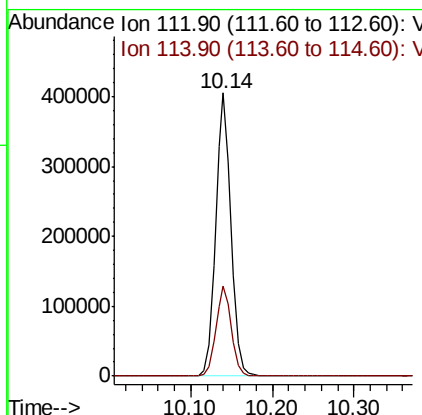
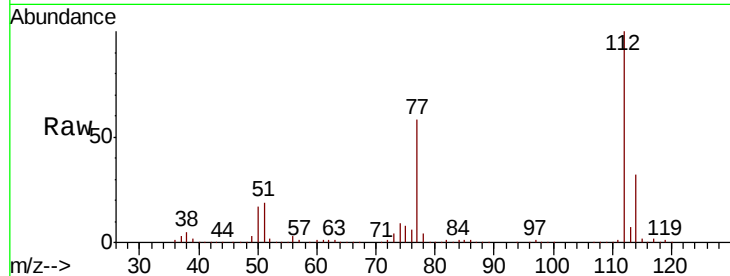
#65
Chlorobenzene
Concen: 49.19 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 537001
Ion Ratio Lower Upper
112 100
114 31.8 23.6 35.4

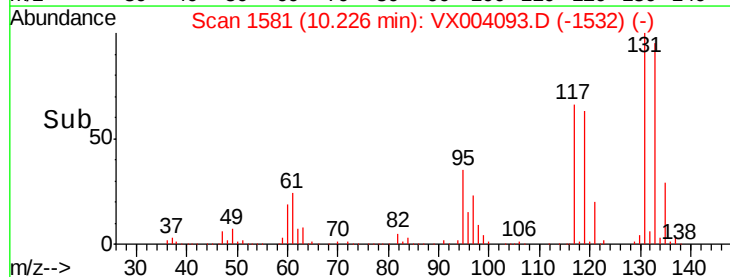
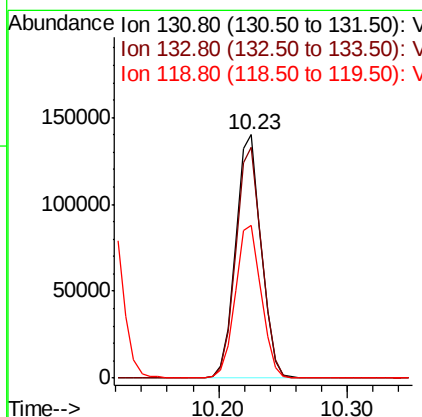
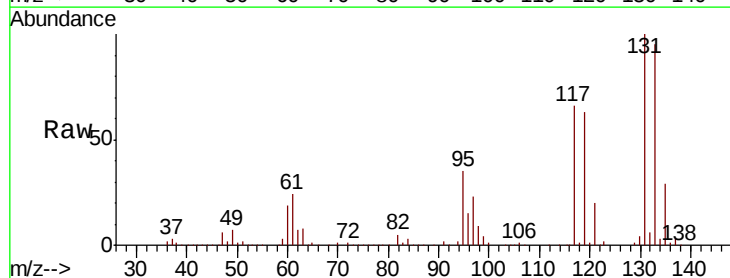
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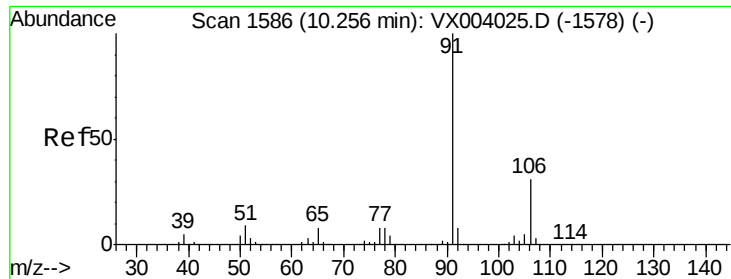
MMDadoda
8/16/2018 4:40:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion:131 Resp: 192570
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.8
119 64.2 31.6 94.8





#67

Ethyl Benzene

Concen: 52.56 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 908619

Ion Ratio Lower Upper

91 100

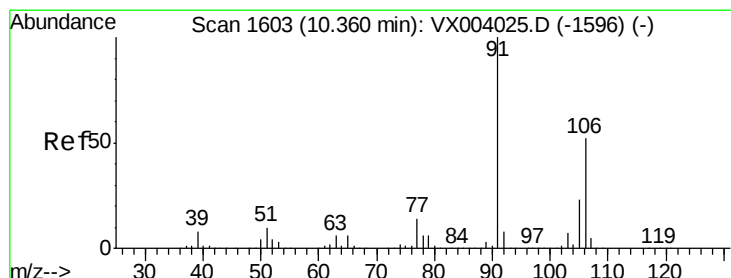
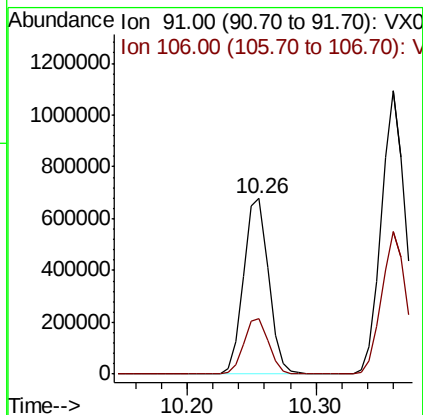
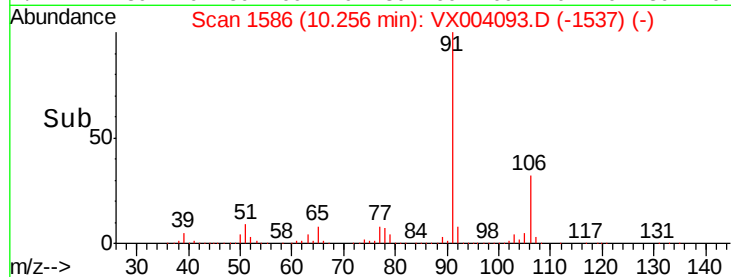
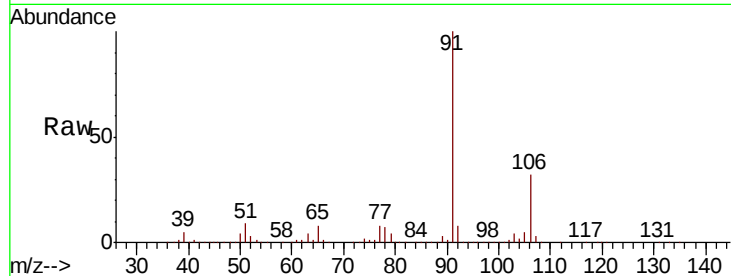
106 31.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:40:03 PM



#68

m/p-Xylenes

Concen: 107.20 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004093.D

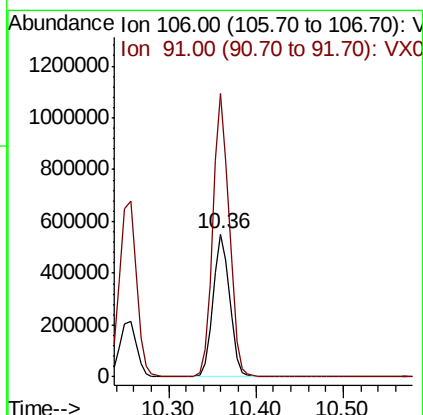
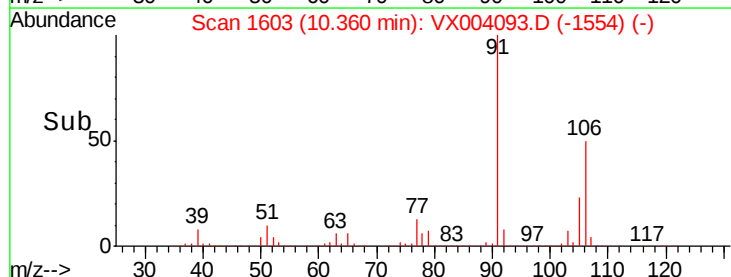
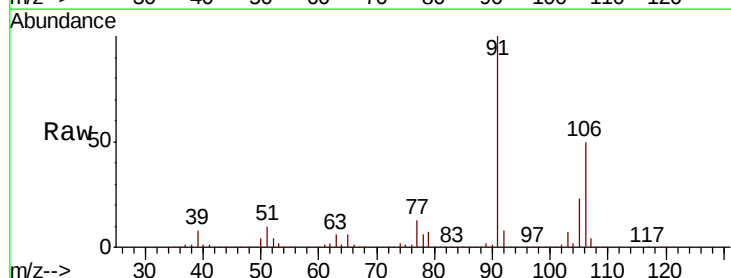
Acq: 16 Aug 2018 00:54

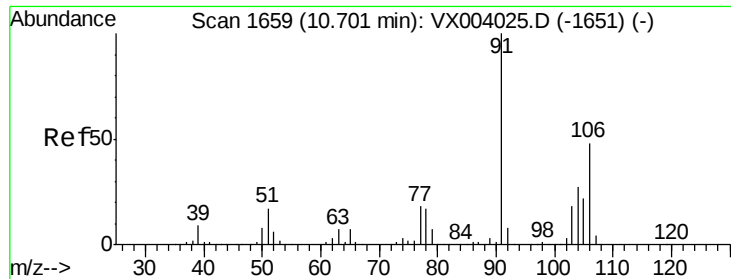
Tgt Ion: 106 Resp: 725767

Ion Ratio Lower Upper

106 100

91 196.2 162.3 243.5





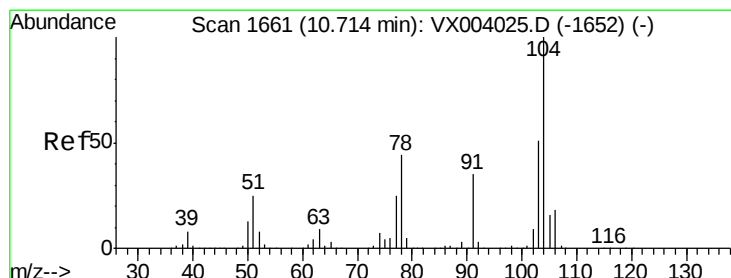
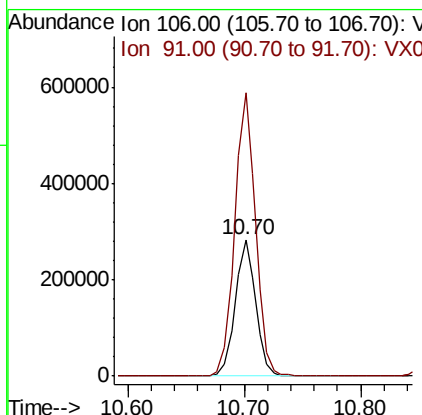
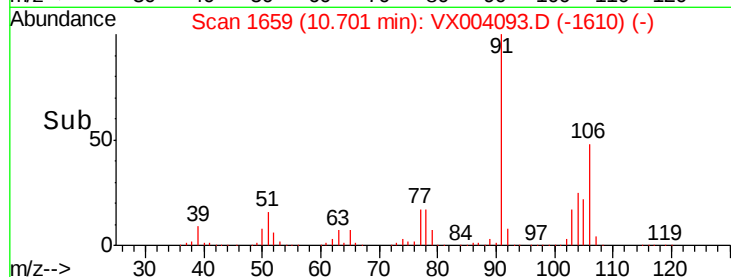
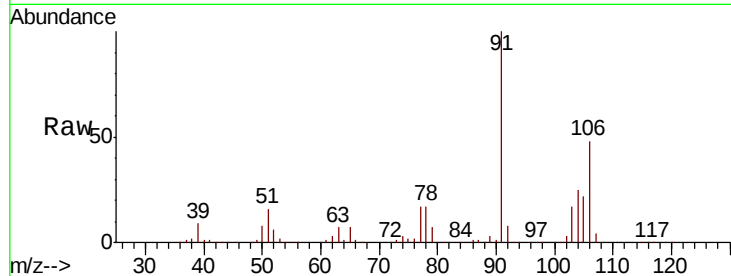
#69
o-Xylene
Concen: 53.55 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	101.9	305.7

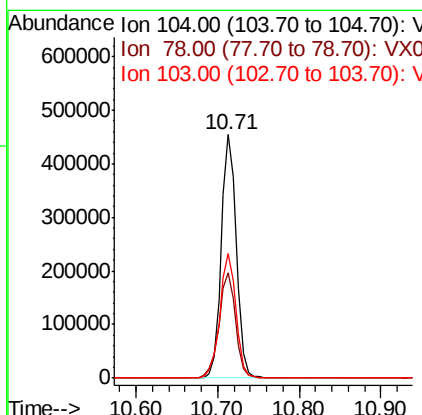
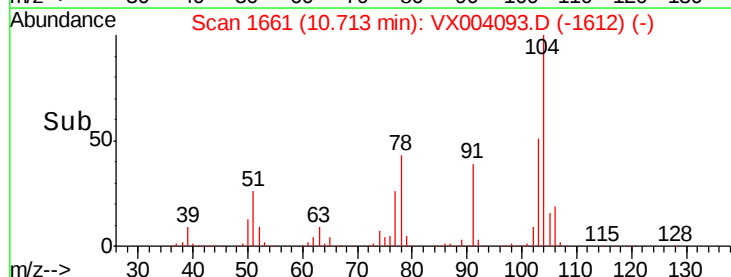
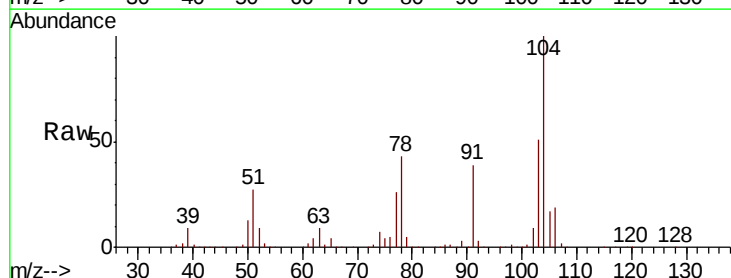
Manual Integrations
APPROVED

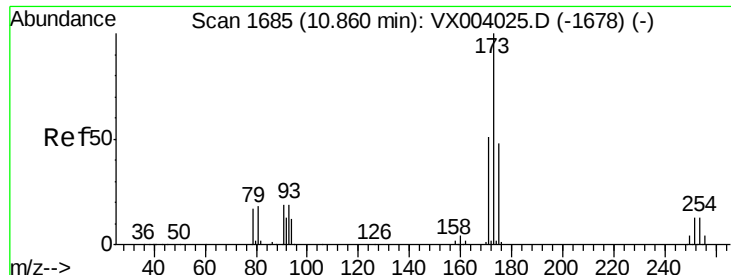
MMDadoda
8/16/2018 4:40:03 PM



#70
Styrene
Concen: 54.09 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.8	59.6
103	55.0	44.3	66.5





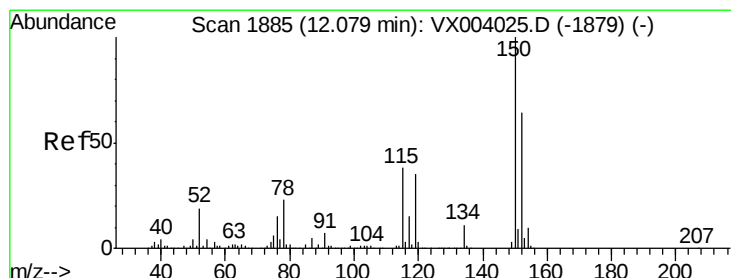
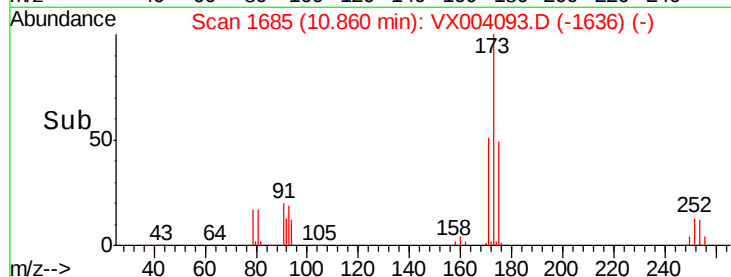
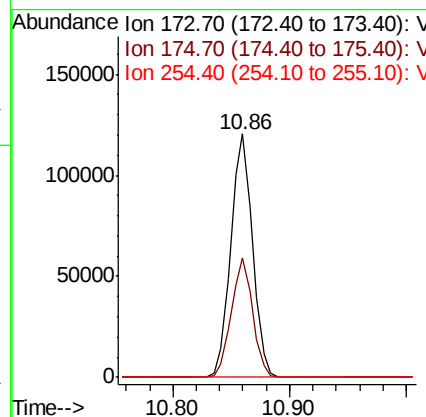
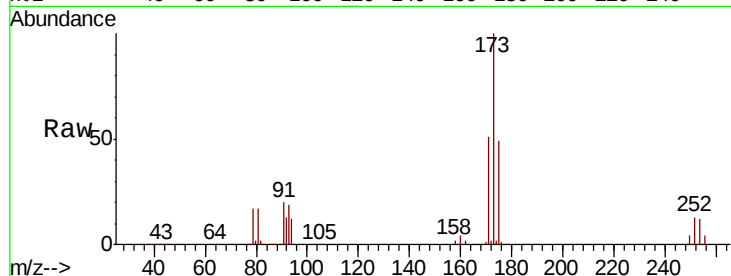
#71
Bromoform
Concen: 52.67 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.7
254	0.2	0.2	0.2

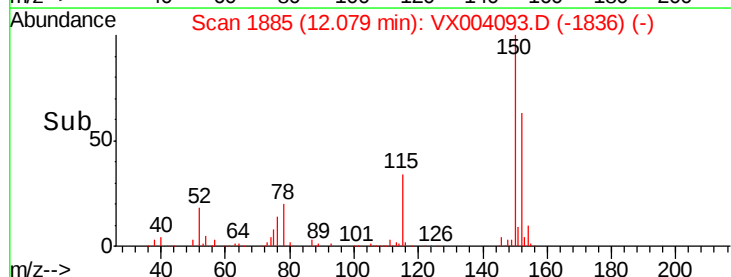
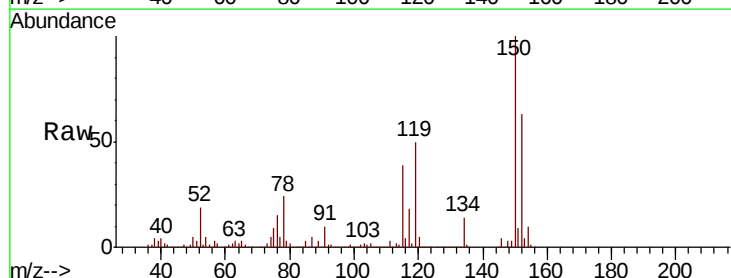
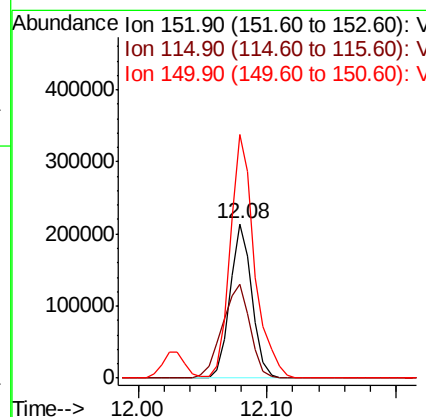
Manual Integrations
APPROVED

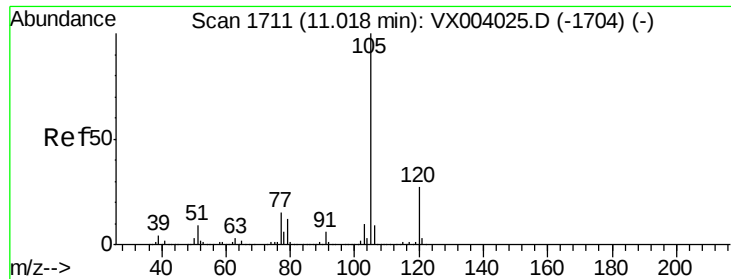
MMDadoda
8/16/2018 4:40:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.7	39.1	117.3
150	175.4	0.0	349.2





#73

Isopropylbenzene

Concen: 54.31 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 936009

Ion Ratio Lower Upper

105 100

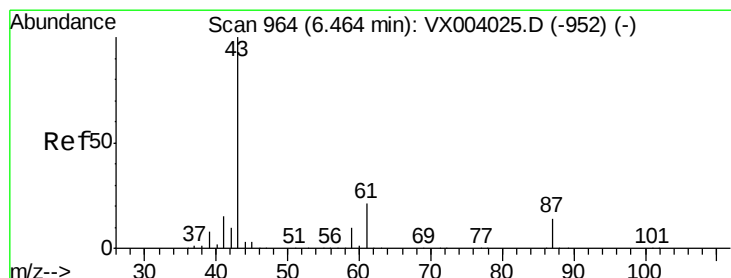
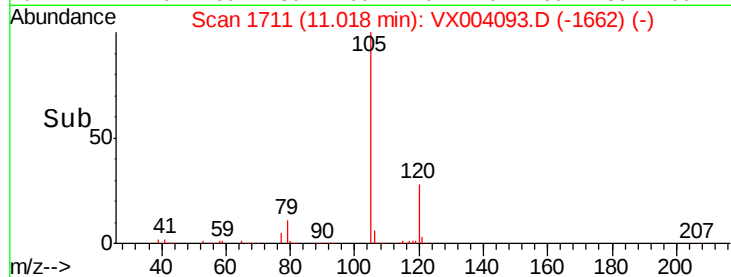
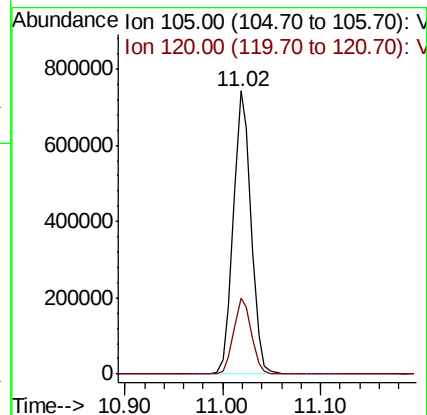
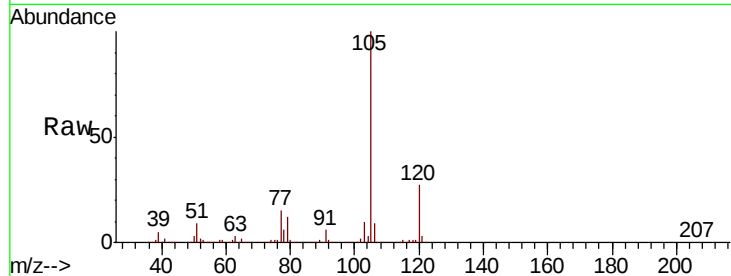
120 26.9 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:40:03 PM



#74

N-ethyl acetate

Concen: 50.65 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion: 43 Resp: 410623

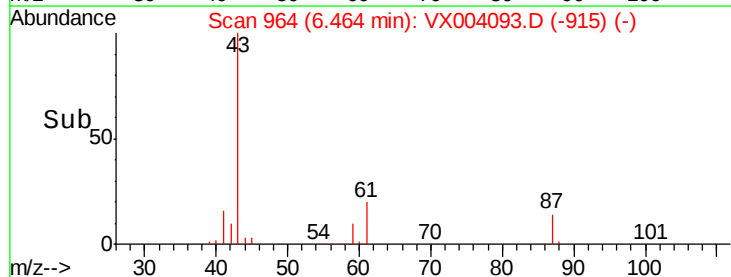
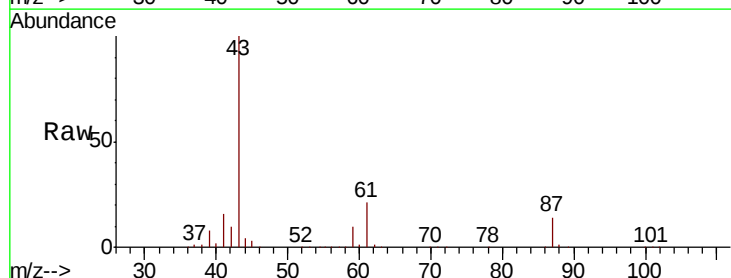
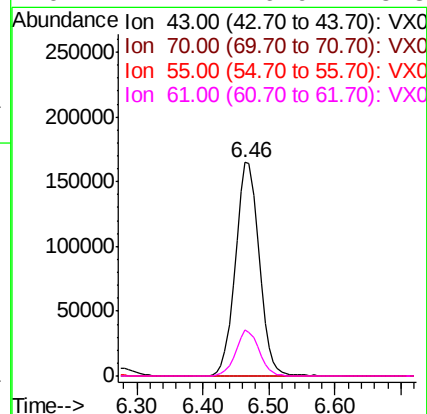
Ion Ratio Lower Upper

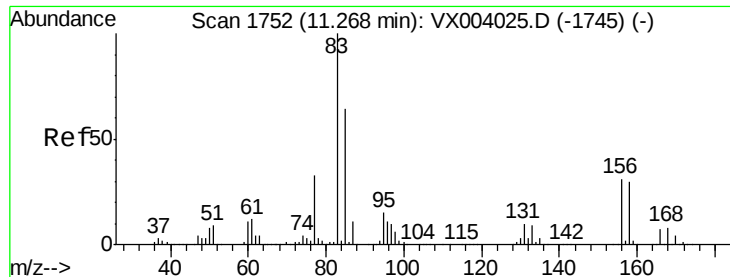
43 100

70 0.0 0.0 0.0#

55 0.0 0.1 0.1#

61 21.1 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.11 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 313658

Ion Ratio Lower Upper

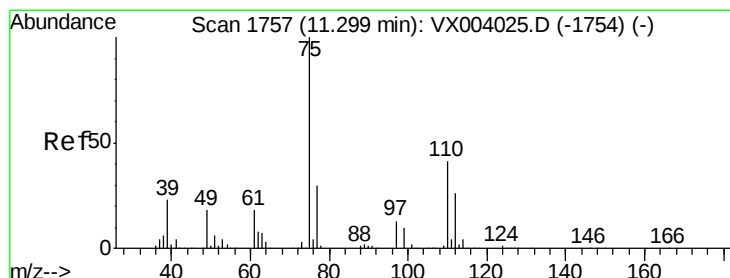
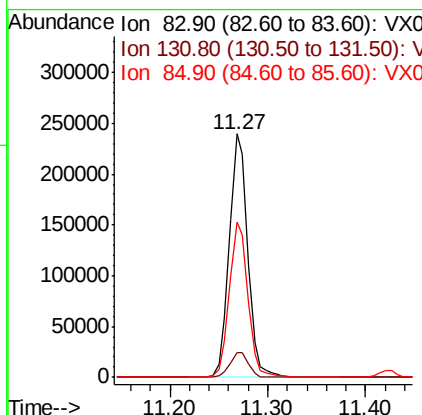
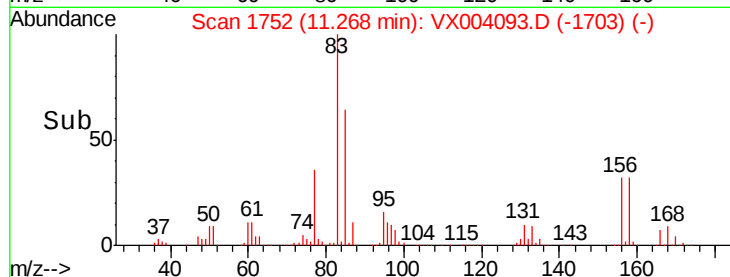
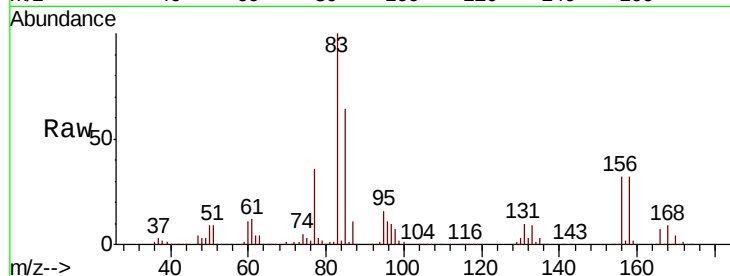
83 100

131 10.5 5.2 15.6

85 64.3 32.2 96.6

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 54.73 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004093.D

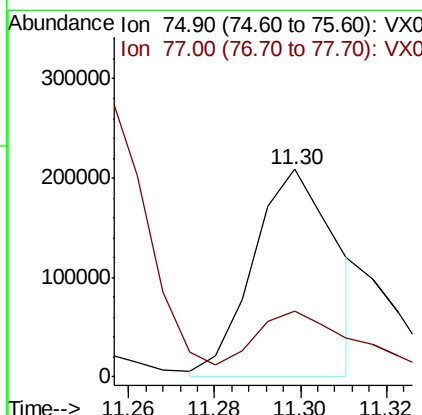
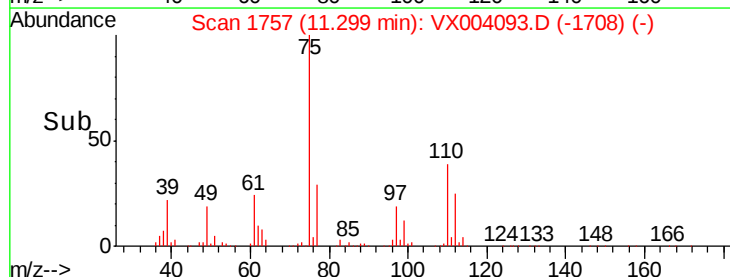
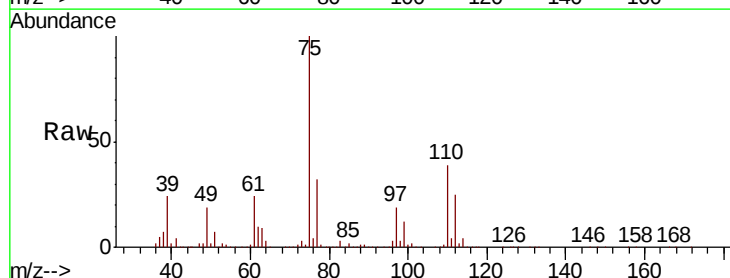
Acq: 16 Aug 2018 00:54

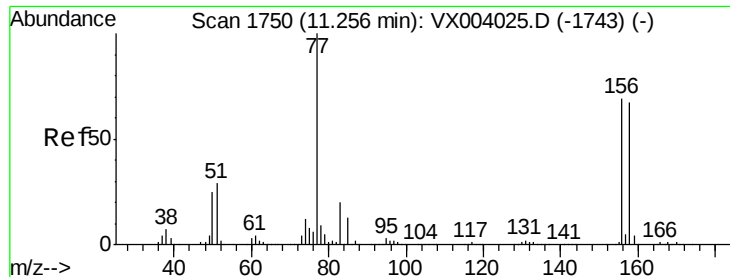
Tgt Ion: 75 Resp: 279562

Ion Ratio Lower Upper

75 100

77 40.2 20.8 62.5





#77

Bromobenzene

Concen: 51.77 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

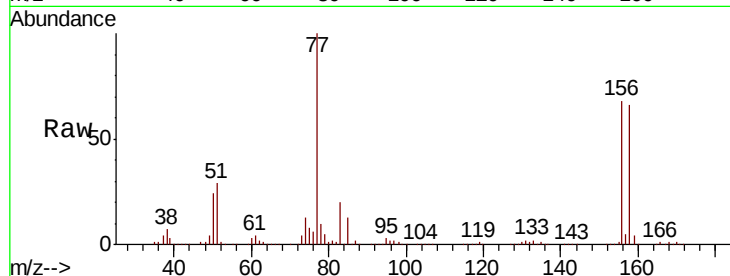
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	245964
Ion	Ratio	Lower	Upper
156	100		
77	146.7	74.1	222.2
158	97.3	48.6	145.9

Manual Integrations
APPROVED

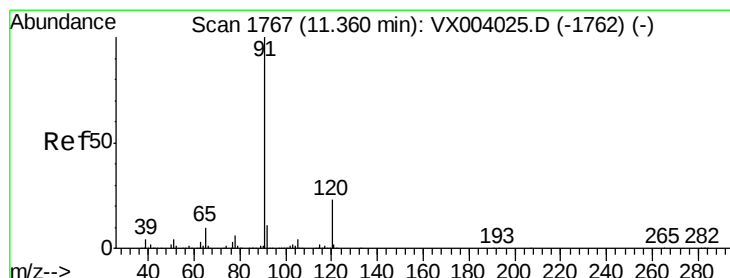
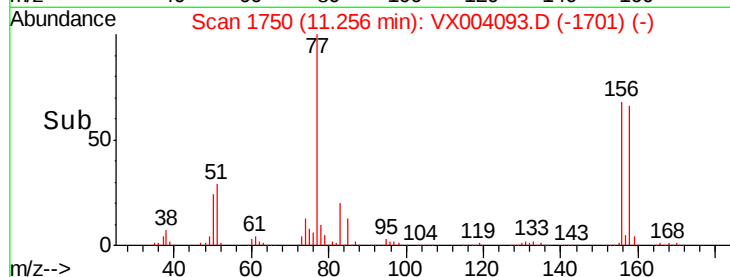
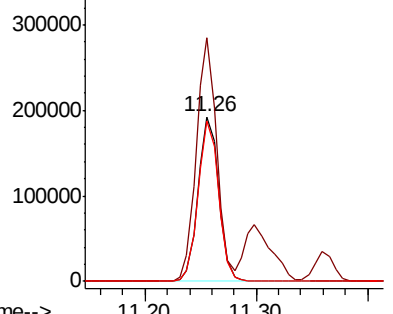
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.81 ug/l

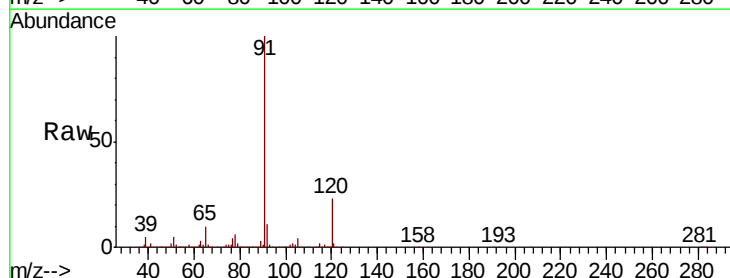
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004093.D

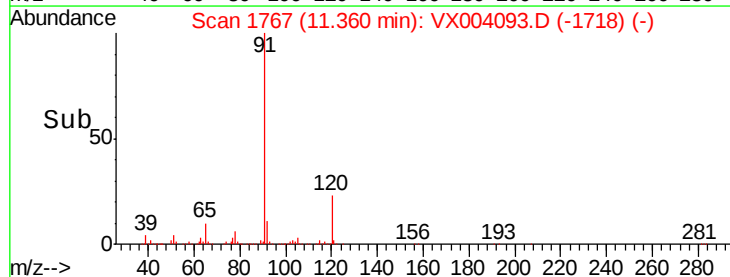
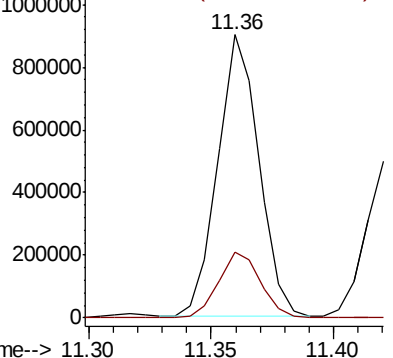
Acq: 16 Aug 2018 00:54

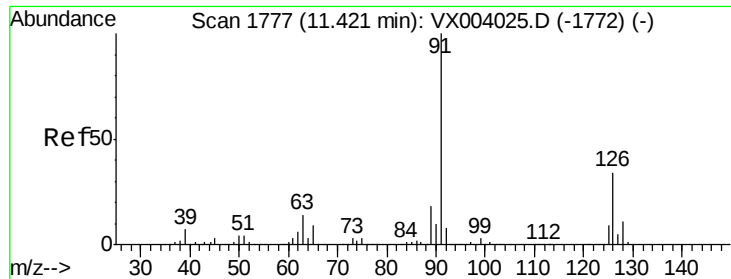
Tgt Ion:	91	Resp:	1057278
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.97 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 634350

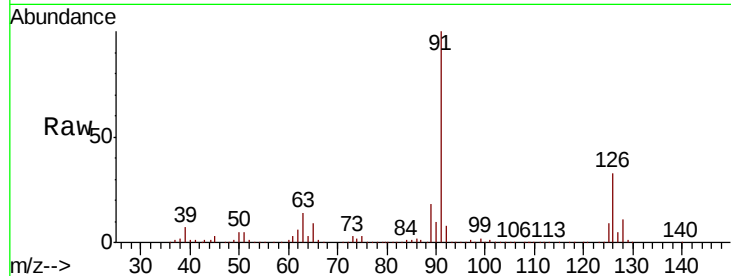
Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3

Manual Integrations
APPROVED

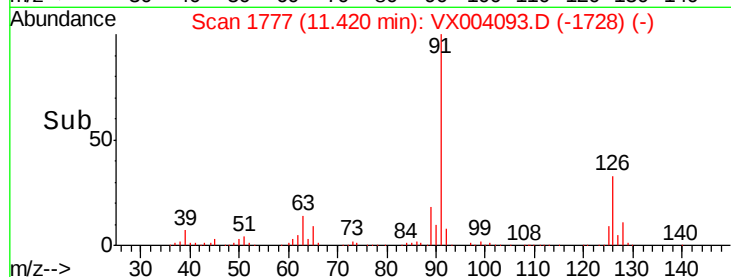
MMDadoda
8/16/2018 4:40:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004025.D (-1772) (-)

Time-->

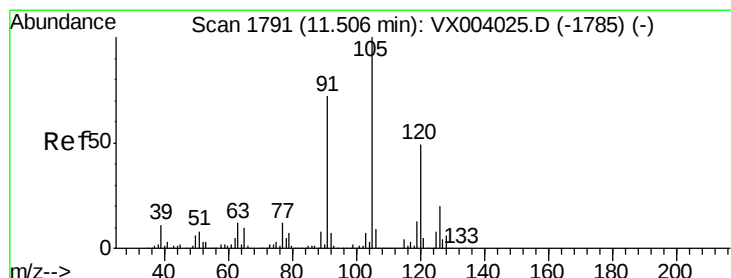


Abundance

Ion 91.00 (90.70 to 91.70): VX004093.D (-1728) (-)

Ion 125.90 (125.60 to 126.60): VX004093.D (-1728) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.33 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004093.D

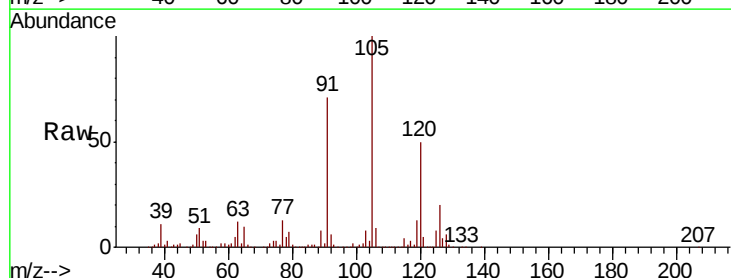
Acq: 16 Aug 2018 00:54

Tgt Ion: 105 Resp: 766804

Ion Ratio Lower Upper

105 100

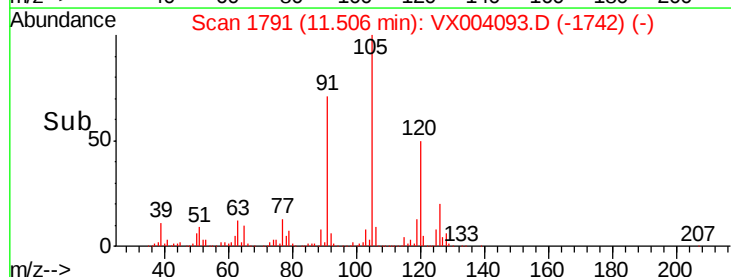
120 50.7 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1785) (-)

Time-->

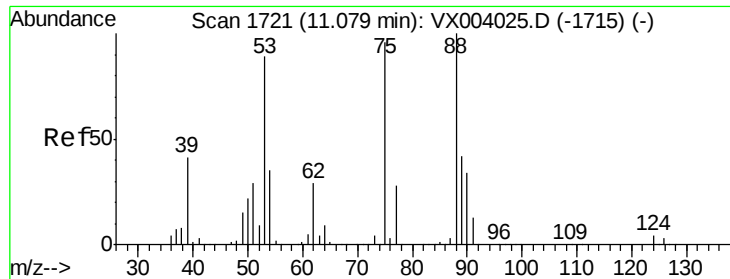


Abundance

Ion 105.00 (104.70 to 105.70): VX004093.D (-1742) (-)

Ion 120.00 (119.70 to 120.70): VX004093.D (-1742) (-)

Time-->



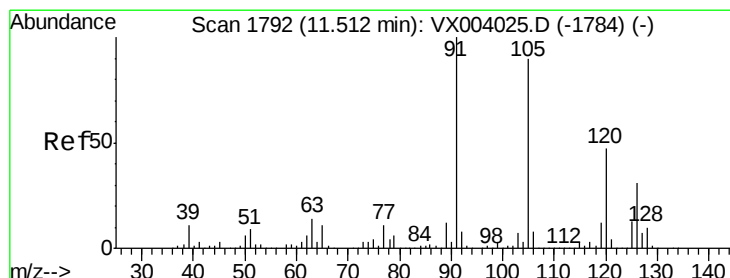
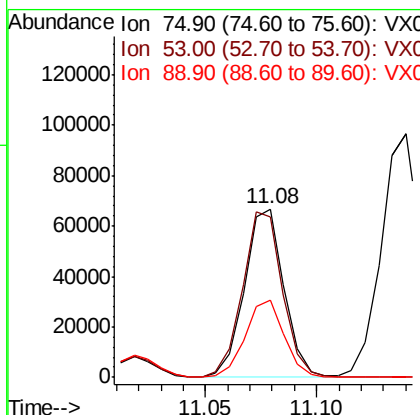
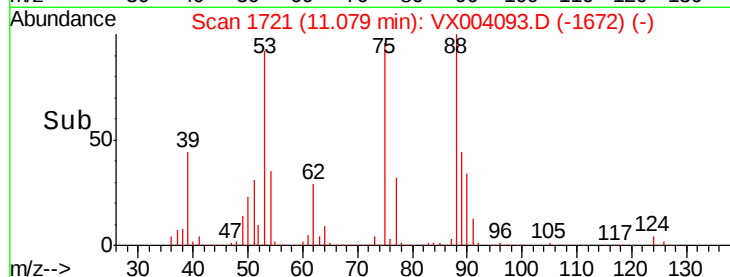
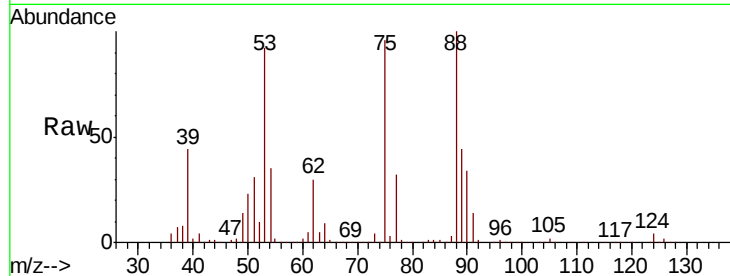
#81
trans-1,4-Dichloro-2-butene
Concen: 49.60 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	80.3	120.5
89	45.9	37.8	56.8

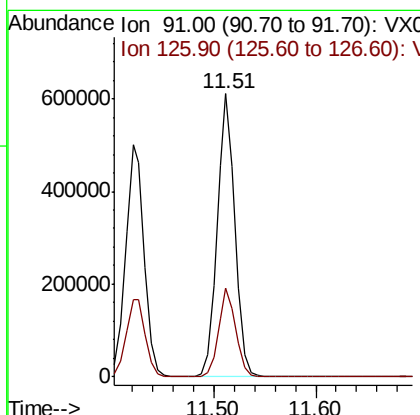
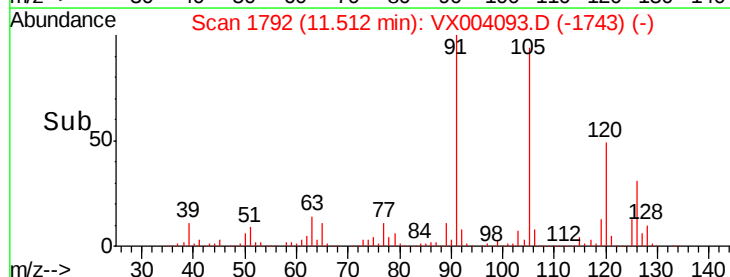
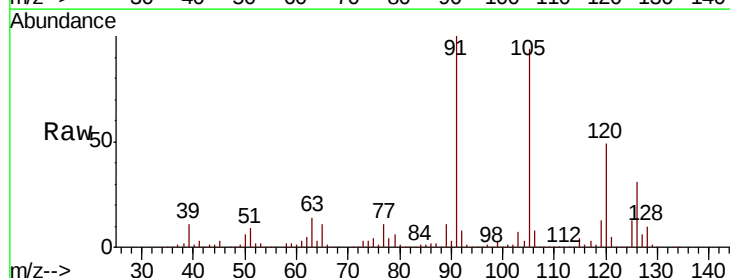
Manual Integrations
APPROVED

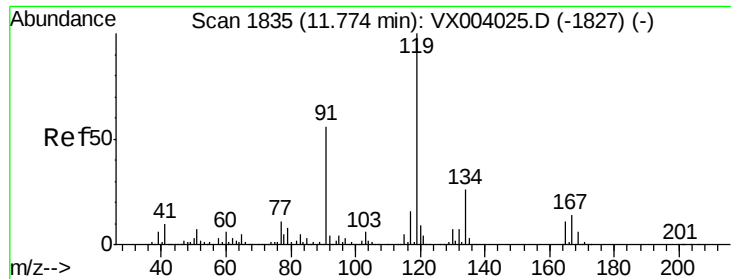
MMDadoda
8/16/2018 4:40:03 PM



#82
4-Chlorotoluene
Concen: 53.58 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.6	46.7





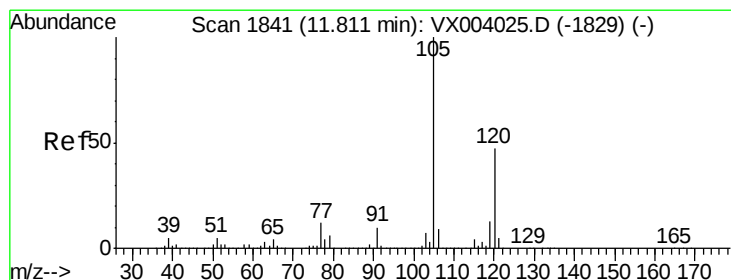
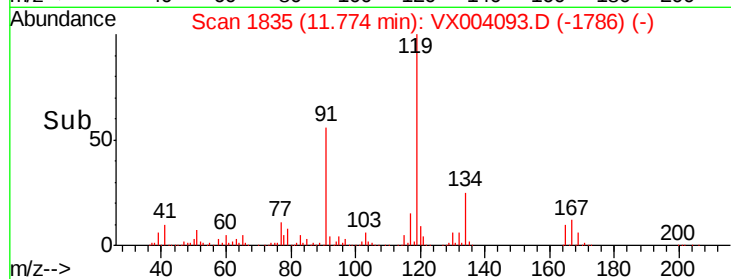
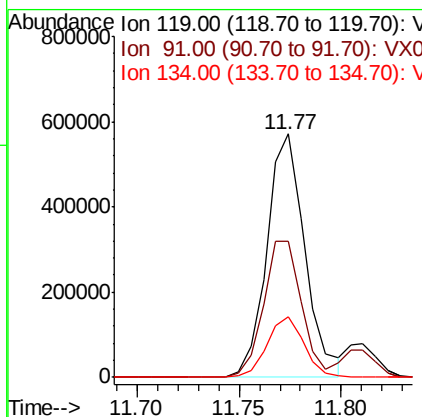
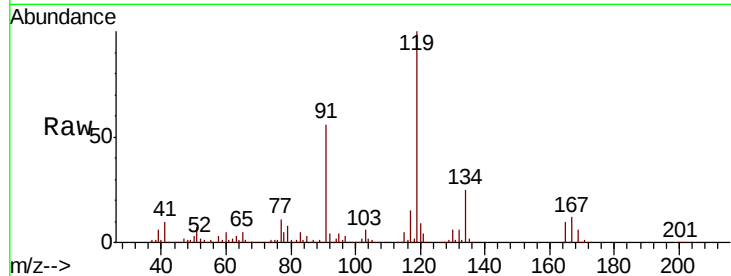
#83
 tert-Butylbenzene
 Concen: 52.13 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	26.9	80.7
134	24.3	12.0	36.0

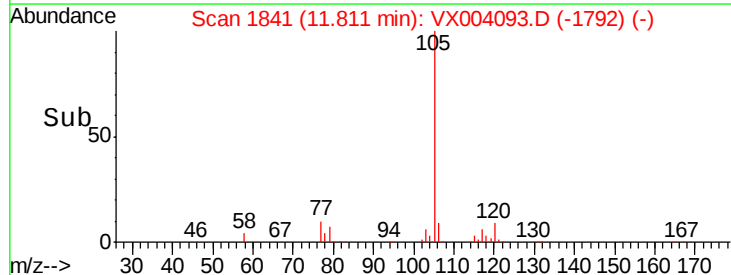
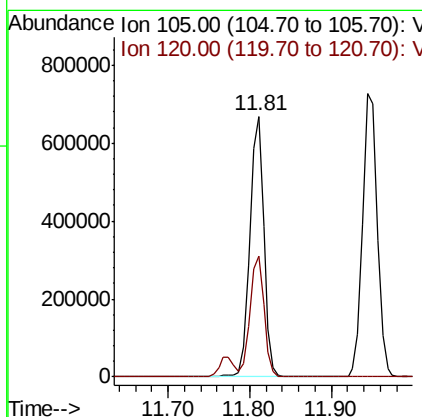
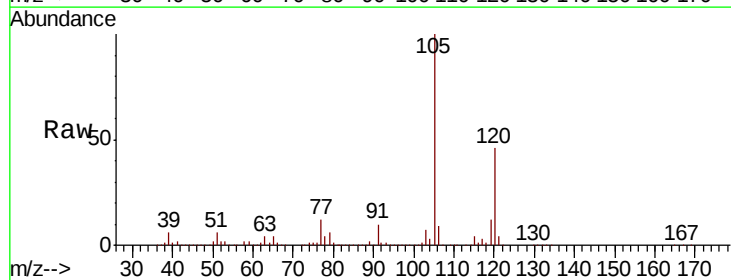
Manual Integrations
 APPROVED

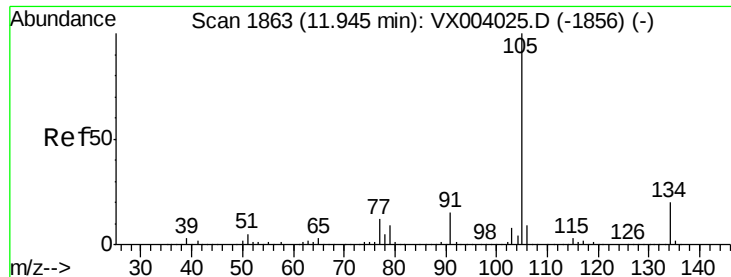
MMDadoda
 8/16/2018 4:40:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.77 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 53.66 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 893743

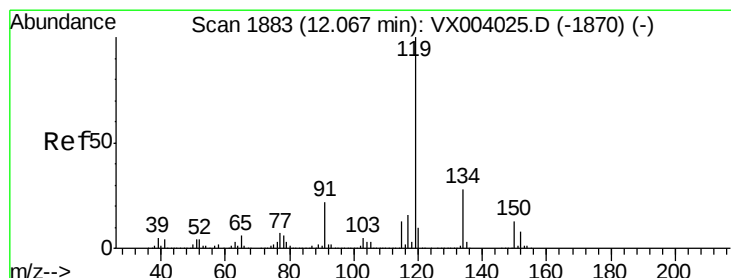
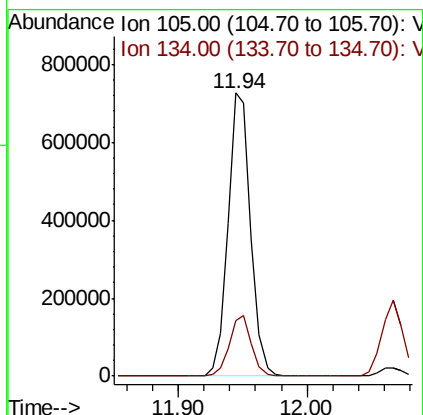
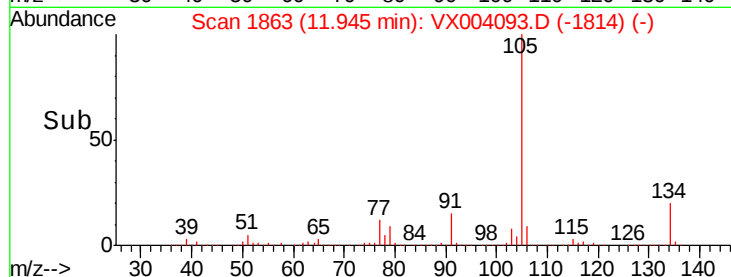
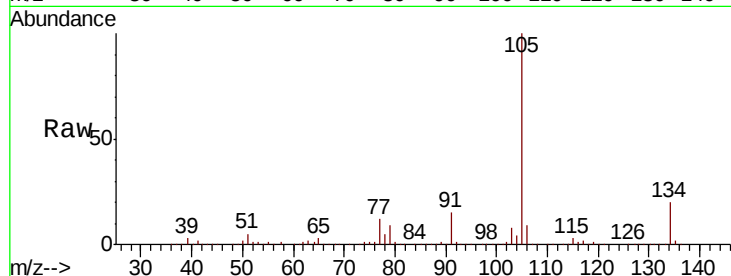
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 52.89 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

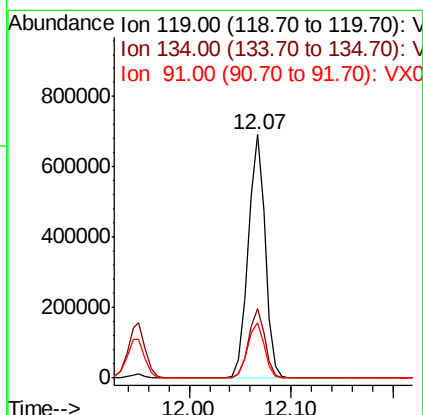
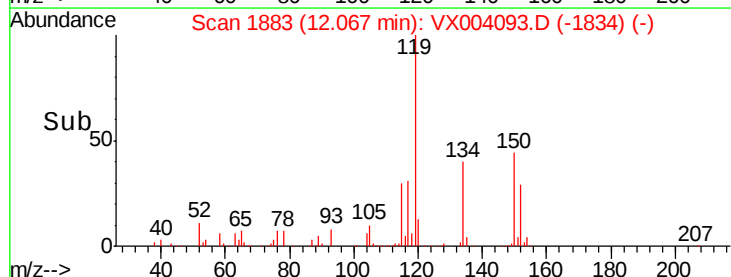
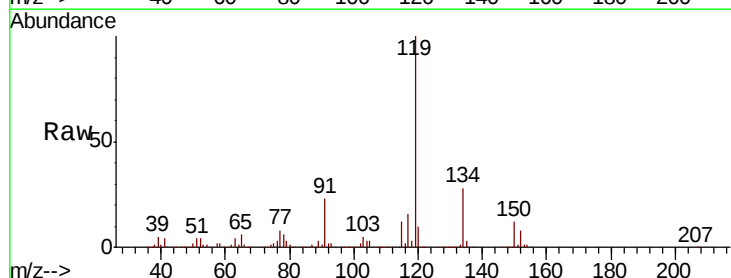
Tgt Ion:119 Resp: 797371

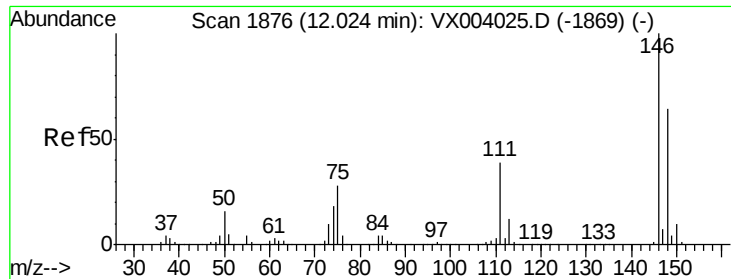
Ion Ratio Lower Upper

119 100

134 27.7 13.3 39.8

91 22.5 10.9 32.7





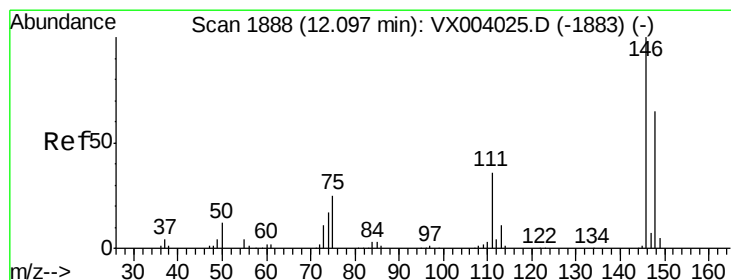
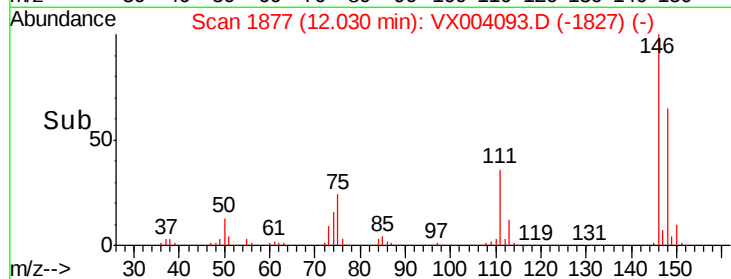
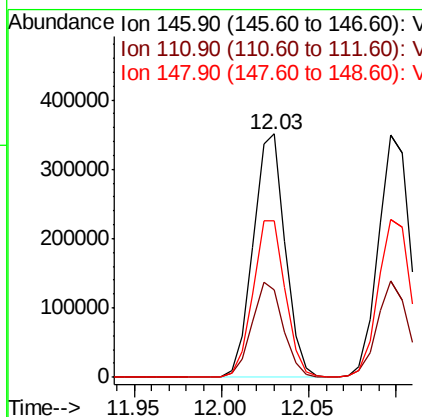
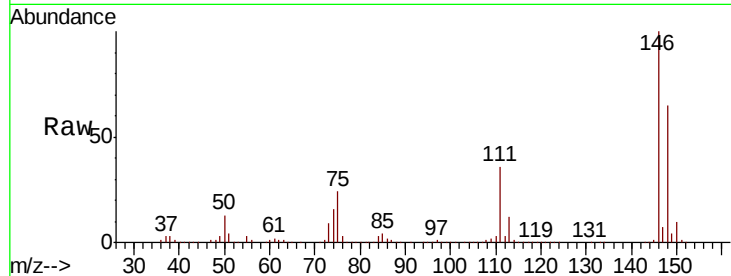
#87
 1,3-Dichlorobenzene
 Concen: 49.21 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	65.3	31.9	95.5

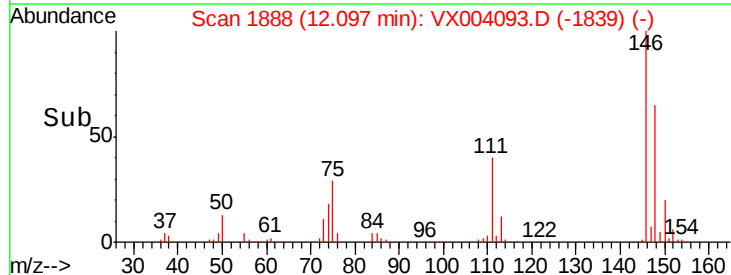
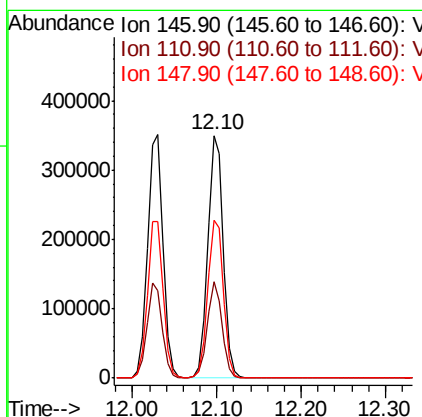
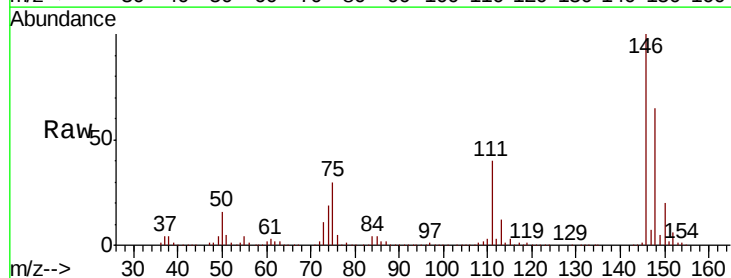
Manual Integrations
 APPROVED

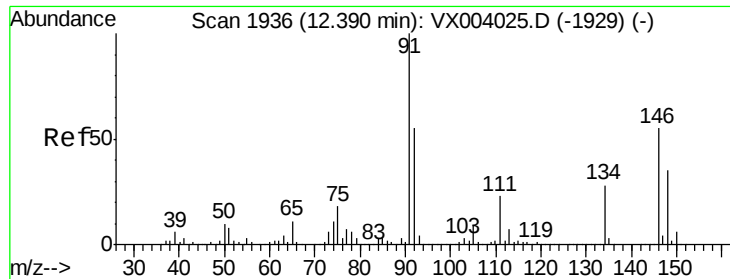
MMDadoda
 8/16/2018 4:40:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.33 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.0
148	66.5	32.3	96.8





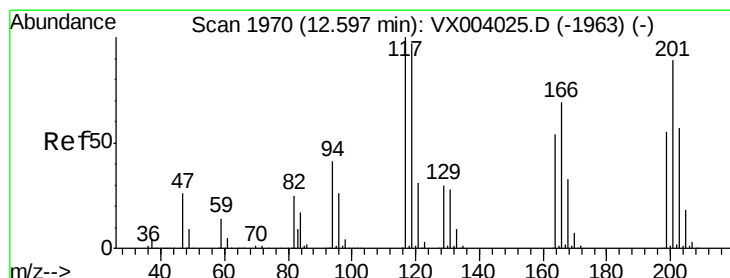
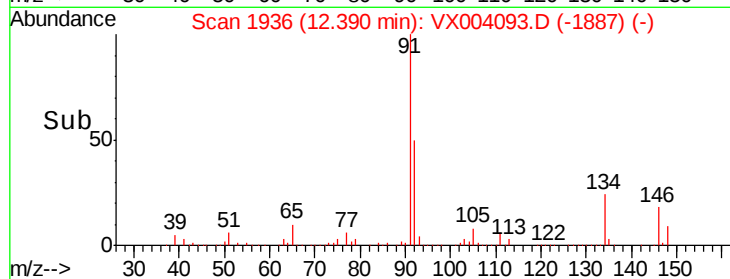
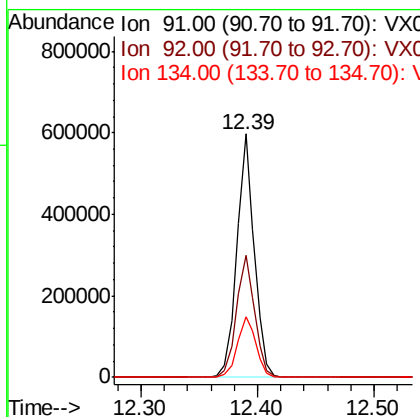
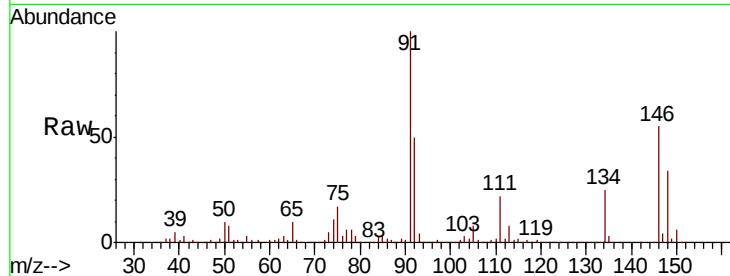
#89
n-Butylbenzene
Concen: 52.31 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.1	81.3
134	26.2	13.6	40.7

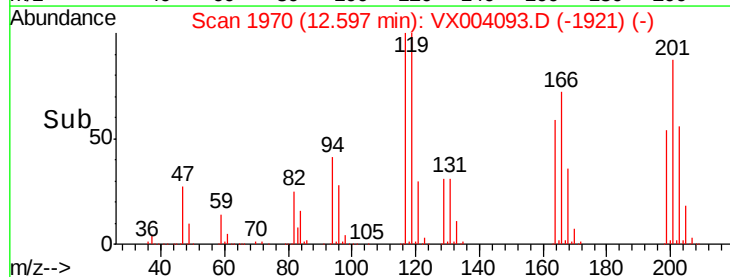
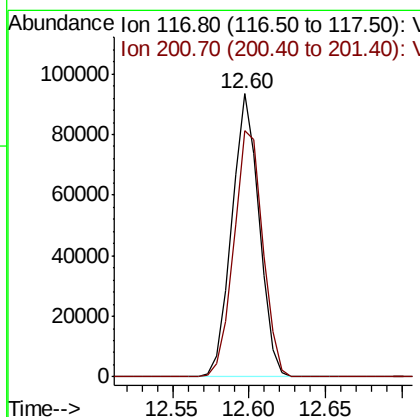
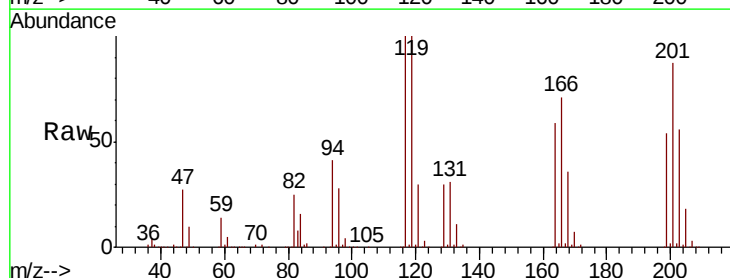
Manual Integrations
APPROVED

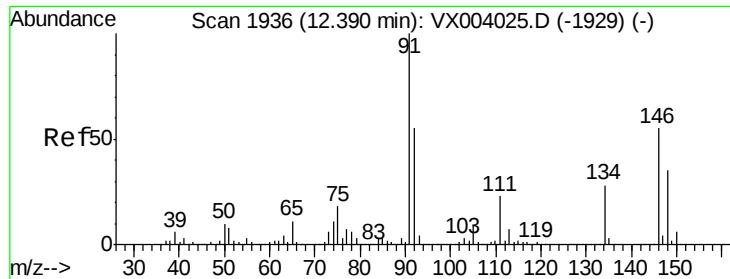
MMDadoda
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#90
Hexachloroethane
Concen: 51.16 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004093.D
Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.1	138.2





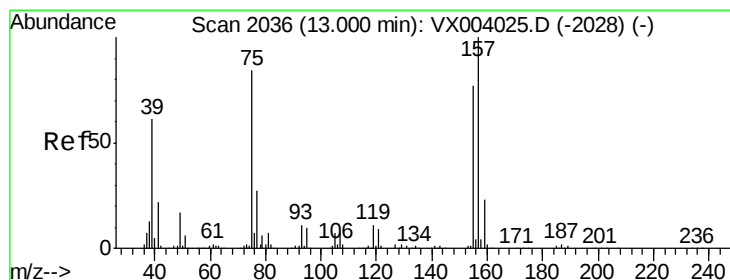
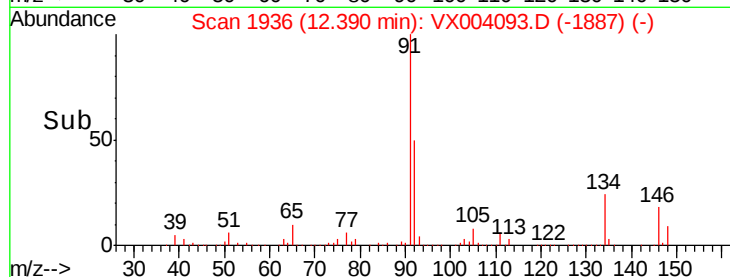
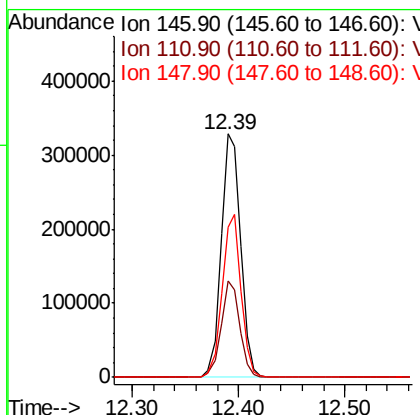
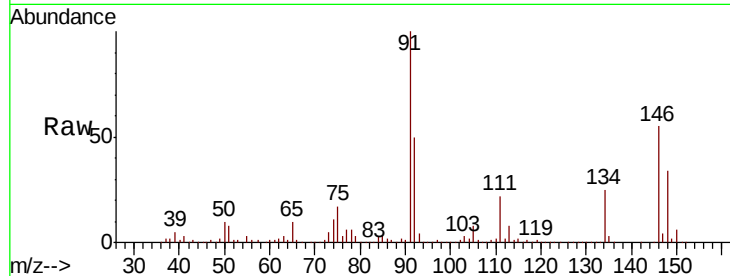
#91
 1,2-Dichlorobenzene
 Concen: 51.16 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.7	59.0
148	64.7	31.9	95.5

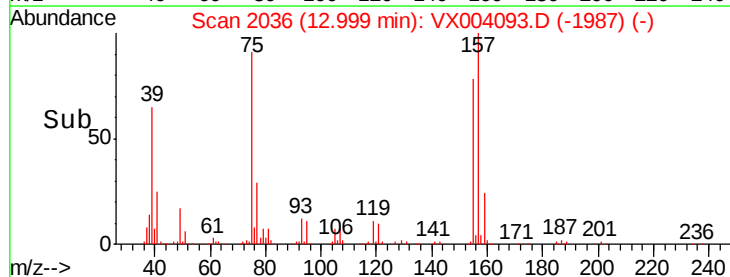
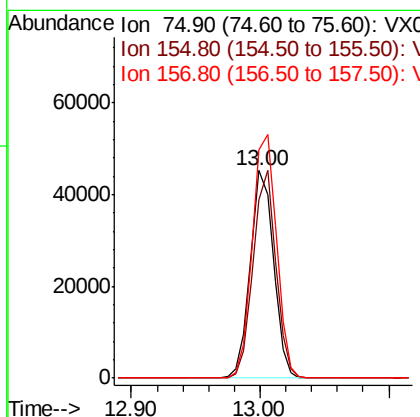
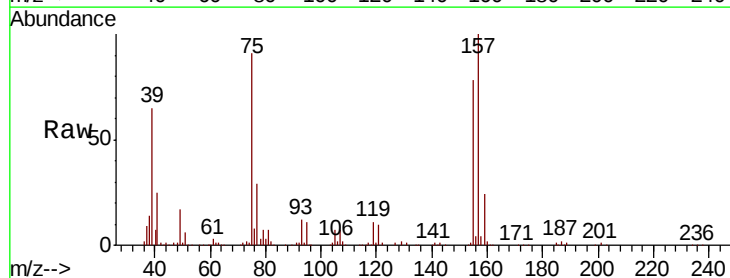
Manual Integrations
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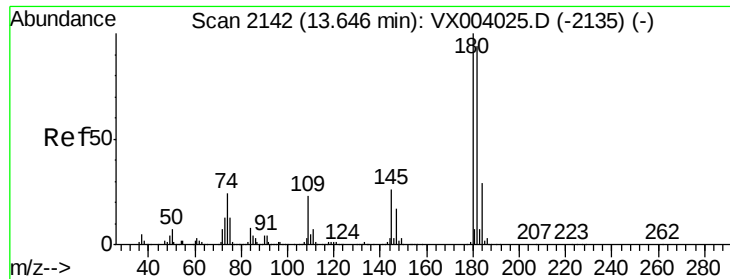
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.96 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.7	146.1
157	121.4	62.6	187.8





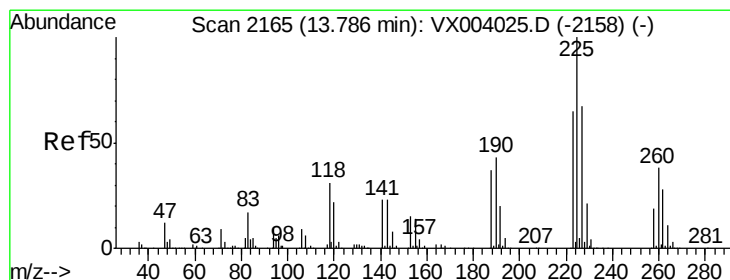
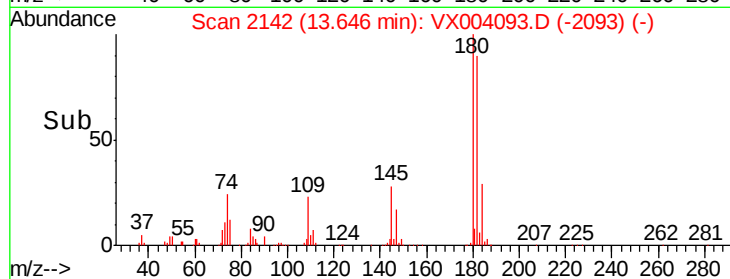
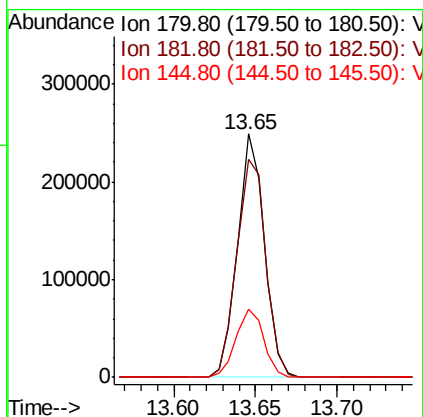
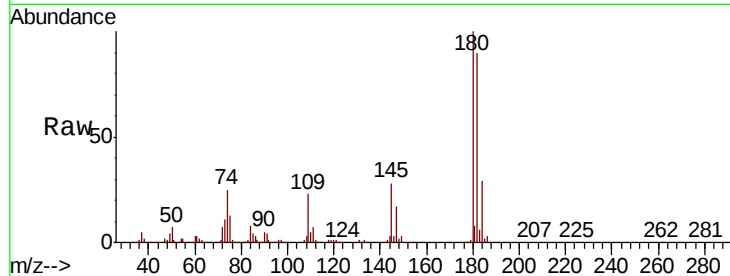
#93
 1,2,4-Trichlorobenzene
 Concen: 51.14 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285677		
182	97.3	47.7	143.1	
145	29.1	13.9	41.6	

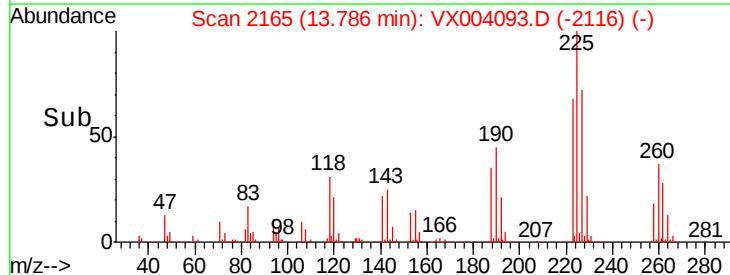
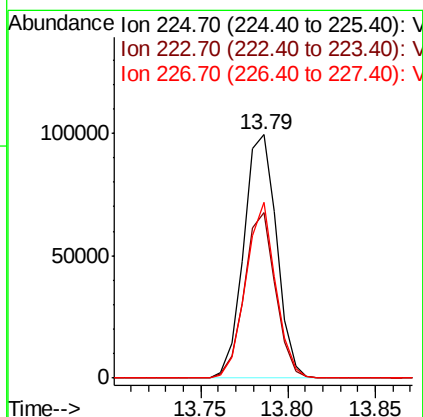
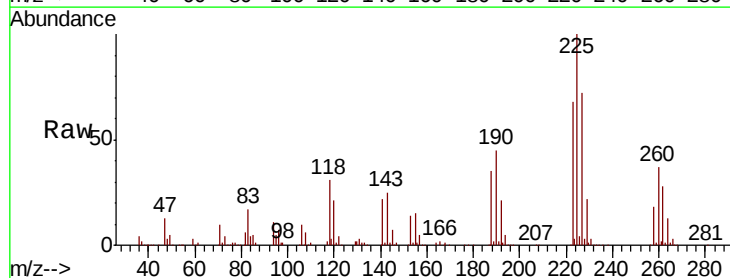
Manual Integrations
 APPROVED

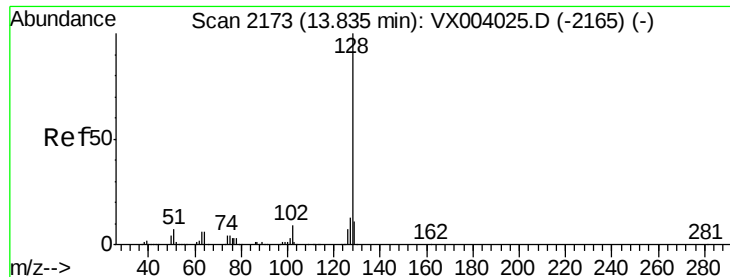
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 46.35 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004093.D
 Acq: 16 Aug 2018 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129784		
223	64.1	31.4	94.0	
227	65.5	32.1	96.5	





#95

Naphthalene

Concen: 52.41 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Instrument :

MSVOA_X

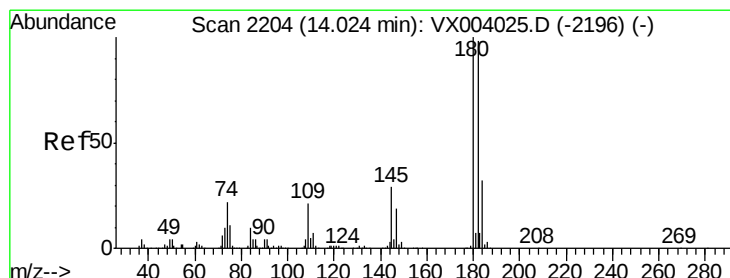
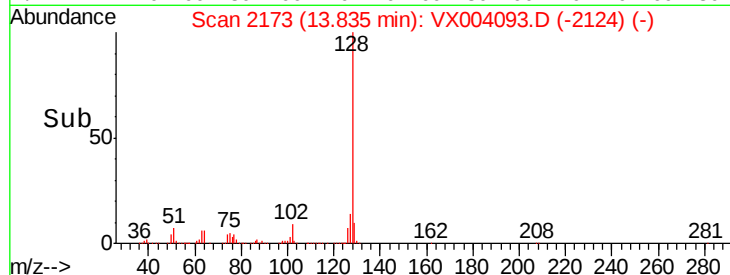
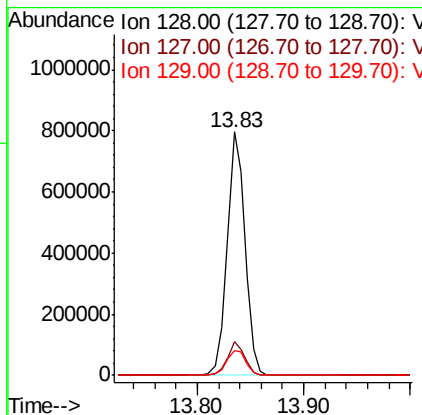
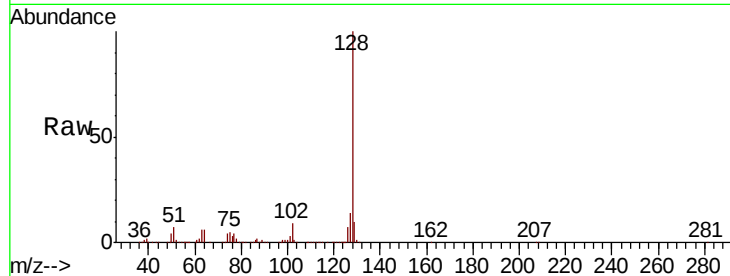
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	934336
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 53.85 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004093.D

Acq: 16 Aug 2018 00:54

Tgt Ion:	180	Resp:	328023
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.4
145	29.6	14.9	44.7

