

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004317.D
 Acq On : 30 Aug 2018 12:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 4:29:02 PM

Quant Time: Aug 30 15:22:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	327704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	454485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272859	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	206695	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	5.49	113	180364	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	8.71	98	676995	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.14	95	258444	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	170191	44.84	ug/l	97
3) Chloromethane	1.32	50	178277	42.54	ug/l	99
4) Vinyl Chloride	1.40	62	189416	44.11	ug/l	100
5) Bromomethane	1.64	94	90717	42.56	ug/l	99
6) Chloroethane	1.72	64	124736	40.36	ug/l	98
7) Trichlorofluoromethane	1.92	101	257593	43.78	ug/l	95
8) Diethyl Ether	2.18	74	111542	44.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	165426	44.89	ug/l	99
10) Methyl Iodide	2.51	142	174020	42.54	ug/l	98
11) Tert butyl alcohol	3.06	59	186958	205.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	147905	42.60	ug/l	98
13) Acrolein	2.29	56	38048	173.34	ug/l	100
14) Allyl chloride	2.72	41	285066	44.69	ug/l	99
15) Acrylonitrile	3.15	53	485470	215.31	ug/l	100
16) Acetone	2.44	43	550541	317.95	ug/l	100
17) Carbon Disulfide	2.57	76	389486	40.55	ug/l	99
18) Methyl Acetate	2.77	43	329640	52.01	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	510196	44.59	ug/l	96
20) Methylene Chloride	2.86	84	174761	42.50	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	160614	41.80	ug/l	98
22) Diisopropyl ether	3.87	45	542789	45.58	ug/l	97
23) Vinyl Acetate	3.82	43	2142610	221.98	ug/l	99
24) 1,1-Dichloroethane	3.69	63	308414	44.44	ug/l	99
25) 2-Butanone	4.70	43	714926	249.80	ug/l	97
26) 2,2-Dichloropropane	4.58	77	248519	45.65	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	189569	43.50	ug/l	100
28) Bromochloromethane	5.01	49	149484	48.65	ug/l	97
29) Tetrahydrofuran	5.15	42	401681	218.89	ug/l	100
30) Chloroform	5.21	83	310070	44.56	ug/l	99
31) Cyclohexane	5.57	56	264671	44.20	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	259380	44.70	ug/l	99
36) 1,1-Dichloropropene	5.79	75	235160	46.02	ug/l	99
37) Ethyl Acetate	4.85	43	231006	45.97	ug/l	100
38) Carbon Tetrachloride	5.78	117	229053	47.65	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	270334	46.34	ug/l	99
40) Benzene	6.14	78	712132	46.64	ug/l	100
41) Methacrylonitrile	5.06	41	140318	48.17	ug/l	98
42) 1,2-Dichloroethane	6.20	62	239325	45.96	ug/l	99
43) Isopropyl Acetate	6.46	43	367898	47.65	ug/l	100
44) Trichloroethene	7.21	130	191604	45.34	ug/l	97
45) 1,2-Dichloropropane	7.51	63	184759	48.35	ug/l	98
46) Dibromomethane	7.66	93	116897	45.95	ug/l	99
47) Bromodichloromethane	7.90	83	230675	48.73	ug/l	99
48) Methyl methacrylate	7.77	41	199264	48.23	ug/l	99
49) 1,4-Dioxane	7.75	88	84090	896.42	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1266024	225.66	ug/l	100
52) Toluene	8.79	92	454398	47.55	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	257750	49.29	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	283509	49.78	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	184543	47.83	ug/l	99
56) Ethyl methacrylate	9.18	69	263883	50.25	ug/l	99
57) 1,3-Dichloropropane	9.37	76	309874	47.65	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1062184	394.73	ug/l	99
59) 2-Hexanone	9.49	43	1016348	237.46	ug/l	100
60) Dibromochloromethane	9.59	129	184942	49.20	ug/l	100
61) 1,2-Dibromoethane	9.67	107	190240	47.65	ug/l	98
64) Tetrachloroethene	9.34	164	189263	45.62	ug/l	99
65) Chlorobenzene	10.14	112	476623	45.22	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	174454	47.99	ug/l	99
67) Ethyl Benzene	10.25	91	840987	49.13	ug/l	99
68) m/p-Xylenes	10.36	106	655363	97.91	ug/l	100
69) o-Xylene	10.70	106	324529	51.26	ug/l	95
70) Styrene	10.71	104	540986	52.77	ug/l	99
71) Bromoform	10.86	173	143626	49.01	ug/l	99
73) Isopropylbenzene	11.02	105	886281	49.45	ug/l	100
74) N-amyl acetate	10.90	43	325460	47.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	284180	45.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	260030m	46.86	ug/l	
77) Bromobenzene	11.26	156	229628	45.68	ug/l	98
78) n-propylbenzene	11.36	91	1020742	49.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	599054	47.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	725696	48.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83299	48.70	ug/l	98
82) 4-Chlorotoluene	11.51	91	709963	47.56	ug/l	99
83) tert-Butylbenzene	11.77	119	733447	49.12	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	764654	50.19	ug/l	100
85) sec-Butylbenzene	11.94	105	886342	50.00	ug/l	100
86) p-Isopropyltoluene	12.07	119	805339	50.69	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	441994	46.70	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	446117	44.70	ug/l	100
89) n-Butylbenzene	12.39	91	663734	51.38	ug/l	100
90) Hexachloroethane	12.60	117	112725	50.76	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	415065	47.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52750	47.75	ug/l	99

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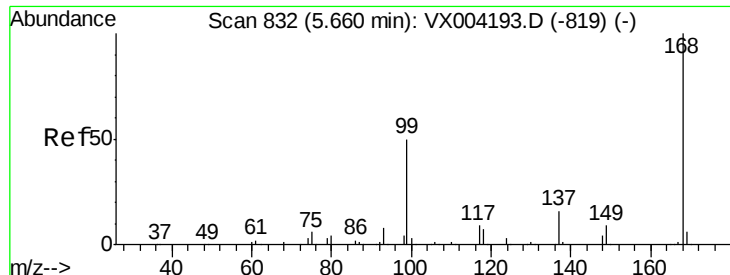
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	285313	45.33	ug/l	96
94) Hexachlorobutadiene	13.79	225	135779	46.36	ug/l	94
95) Naphthalene	13.83	128	867829	48.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	321756	48.29	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 327704

Ion Ratio Lower Upper

168 100

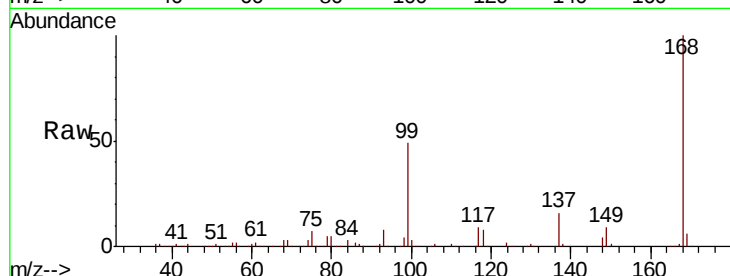
99 49.1 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

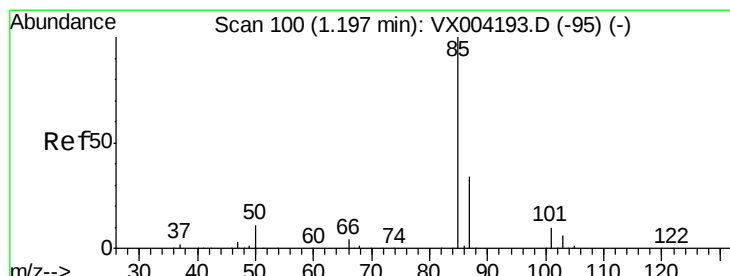
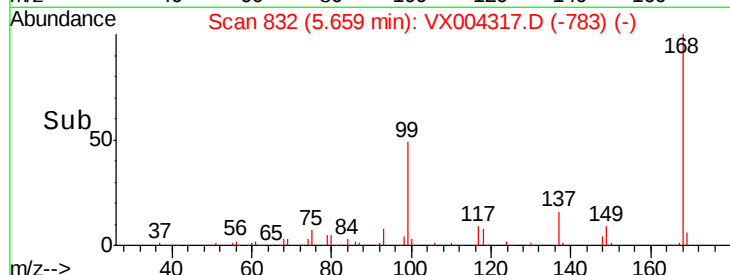
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004317.D

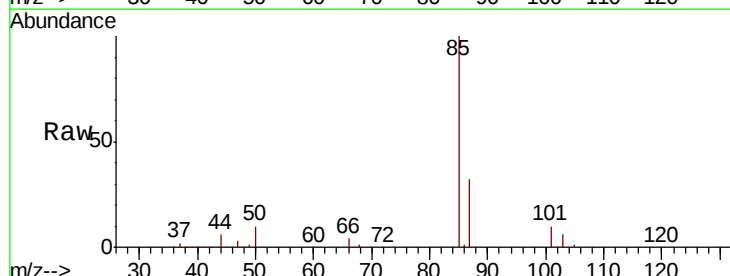
Acq: 30 Aug 2018 12:00

Tgt Ion: 85 Resp: 170191

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

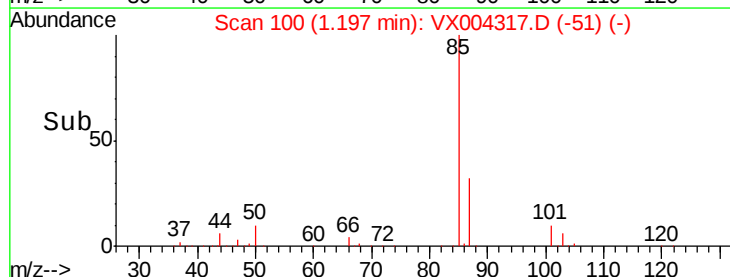
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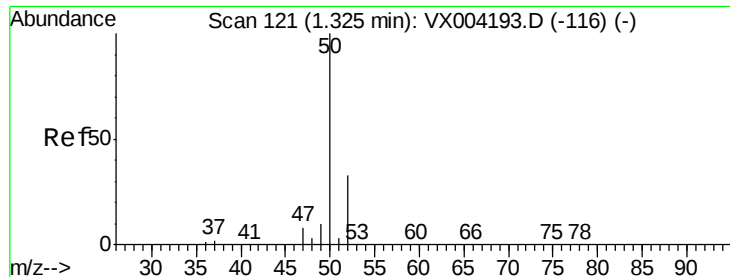
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 42.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 178277

Ion Ratio Lower Upper

50 100

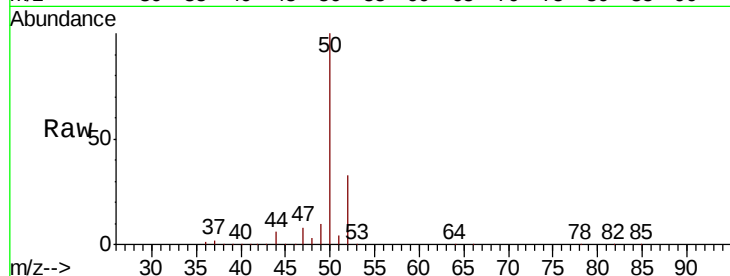
52 33.1 26.2 39.2

Manual Integrations

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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

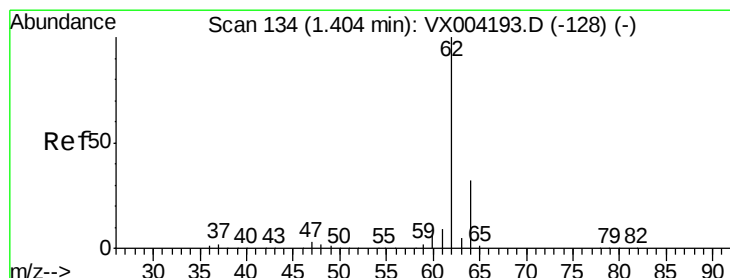
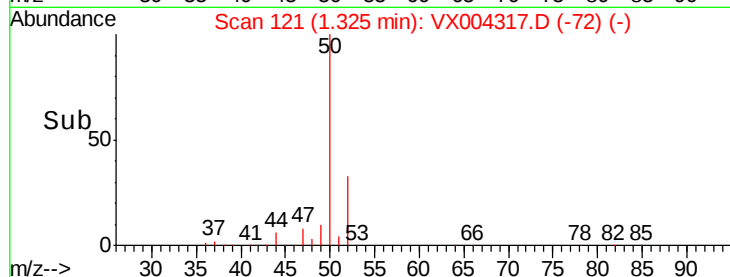
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.11 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004317.D

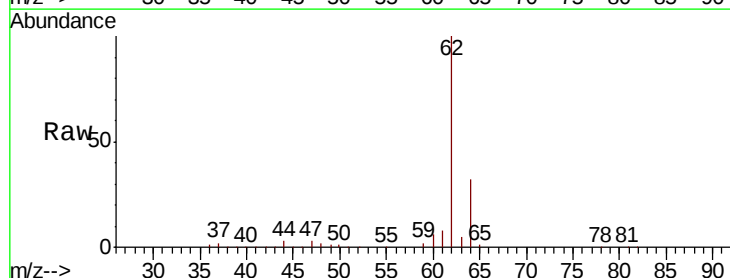
Acq: 30 Aug 2018 12:00

Tgt Ion: 62 Resp: 189416

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

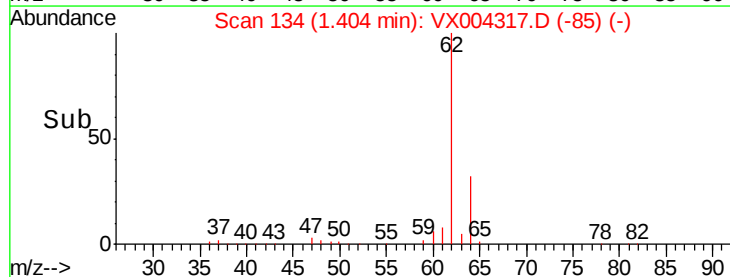
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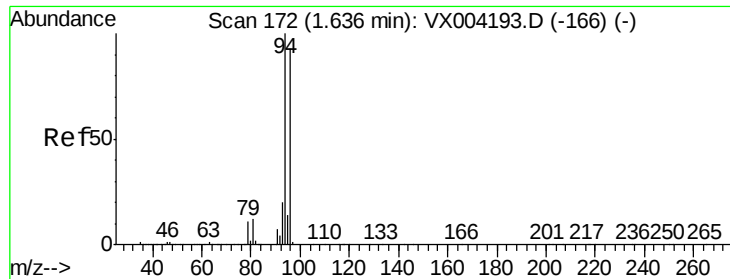
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.56 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90717

Ion Ratio Lower Upper

94 100

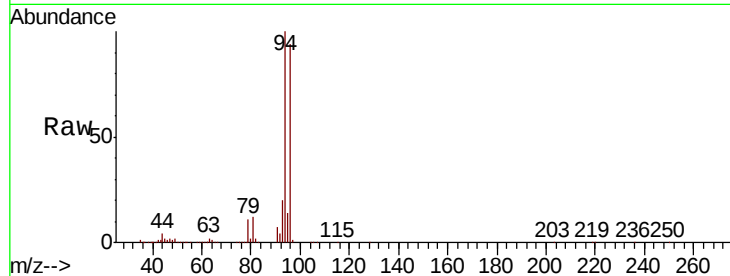
96 93.6 74.5 111.7

Manual Integrations

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8/31/2018 4:29:02 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

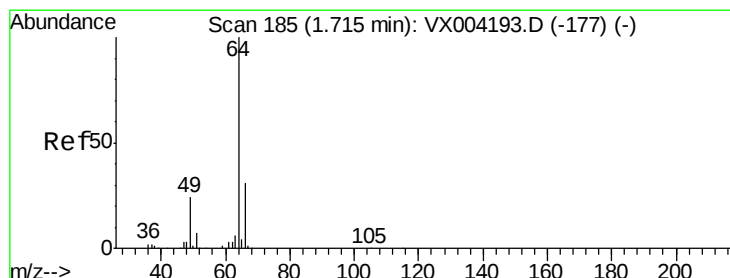
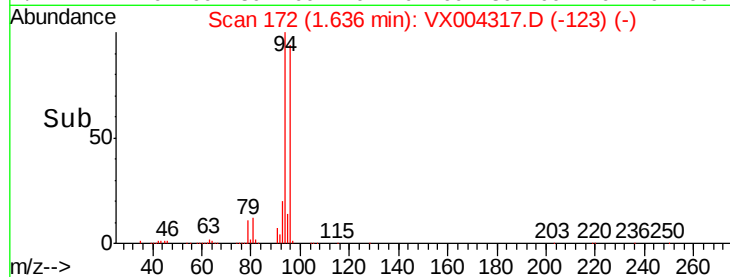
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 40.36 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004317.D

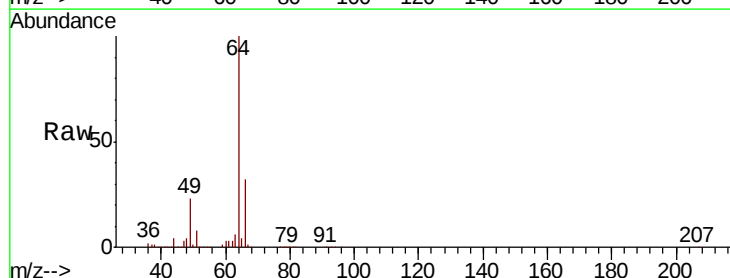
Acq: 30 Aug 2018 12:00

Tgt Ion: 64 Resp: 124736

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

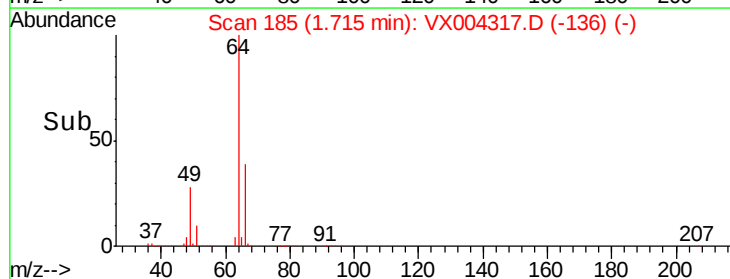
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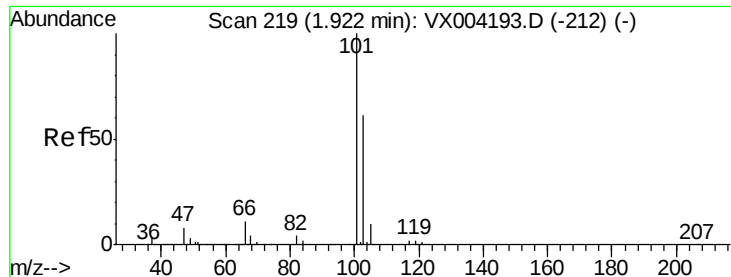
40000

20000

0

Time--> 1.60 1.70 1.80





#7

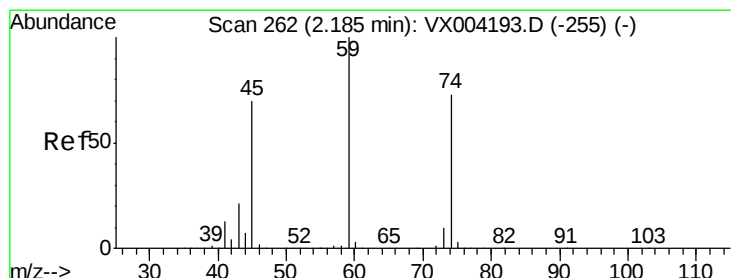
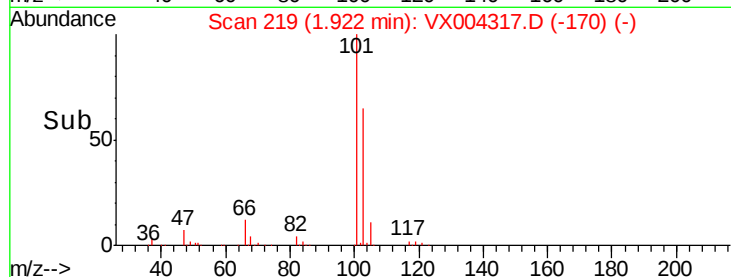
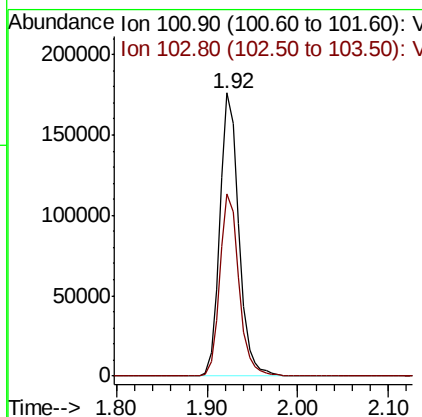
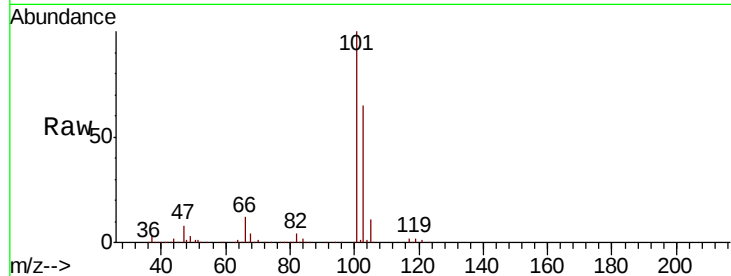
Trichlorofluoromethane
 Concen: 43.78 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	48.9	73.3

Manual Integrations
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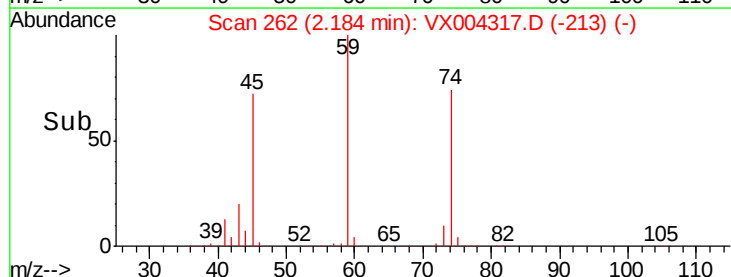
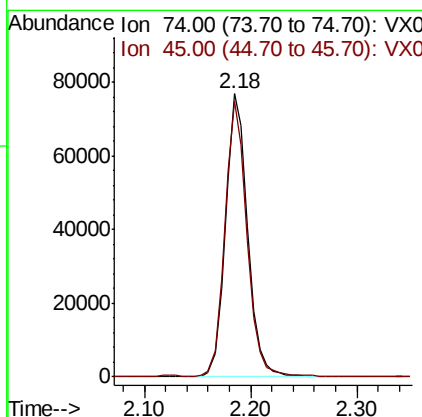
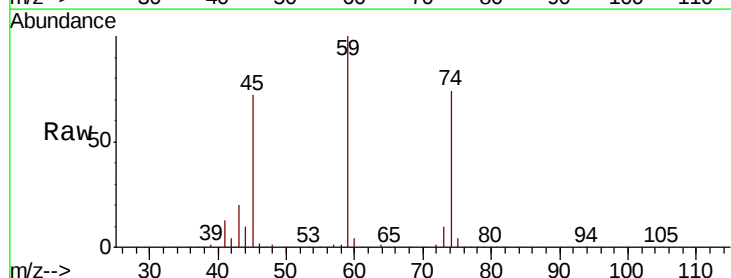
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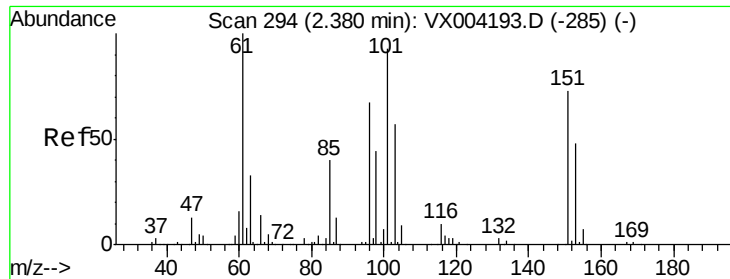


#8

Diethyl Ether
 Concen: 44.27 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.89 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

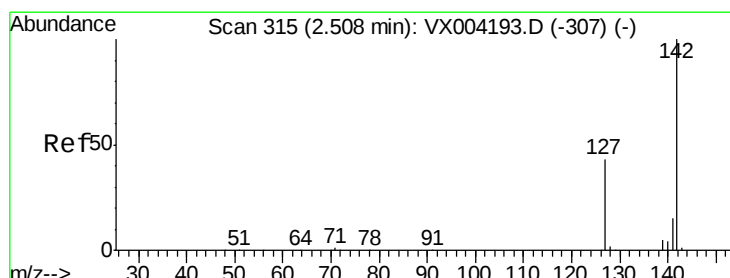
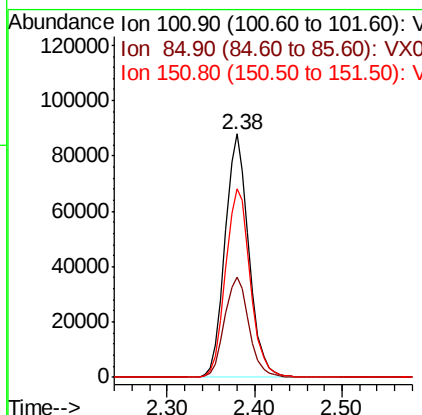
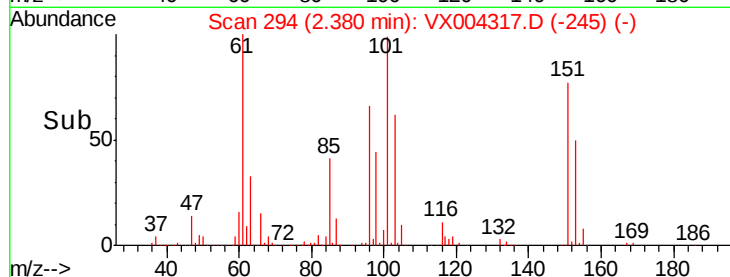
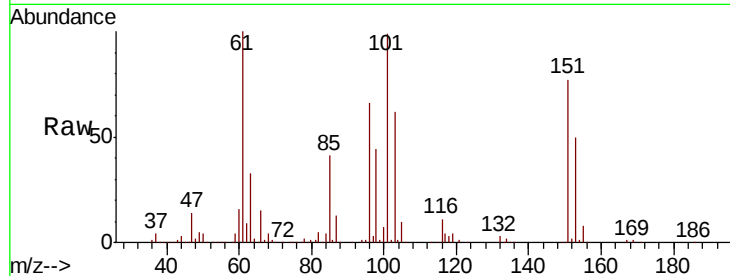
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	165426
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	80.7	65.0	97.6

Manual Integrations
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8/31/2018 4:29:02 PM



#10

Methyl Iodide

Concen: 42.54 ug/l

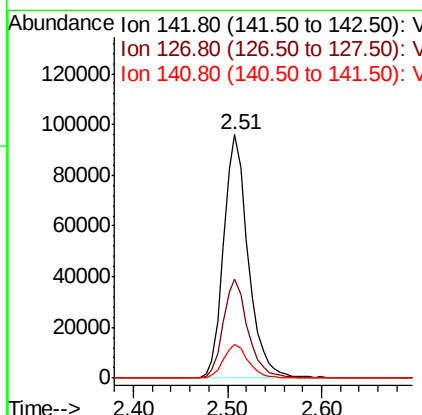
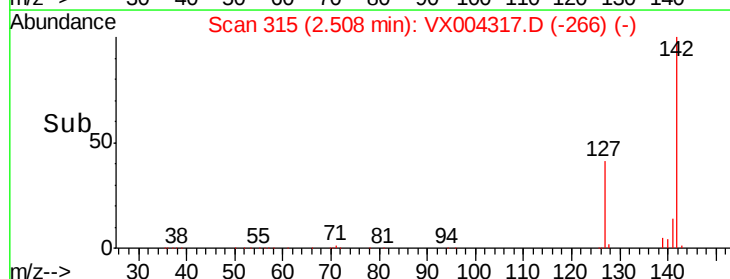
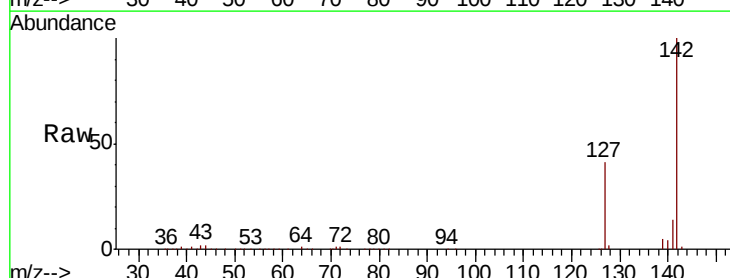
RT: 2.51 min Scan# 315

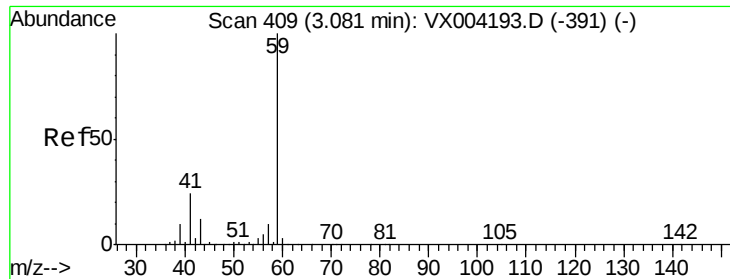
Delta R.T. 0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion:	142	Resp:	174020
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.6
141	14.1	11.4	17.0





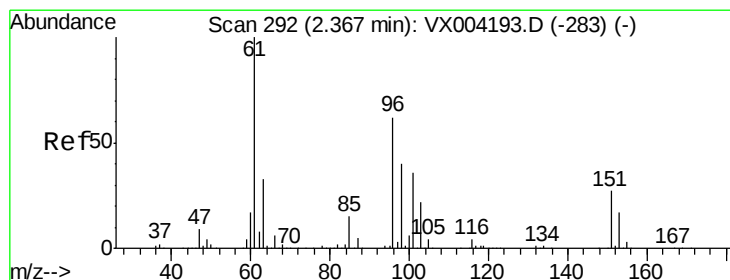
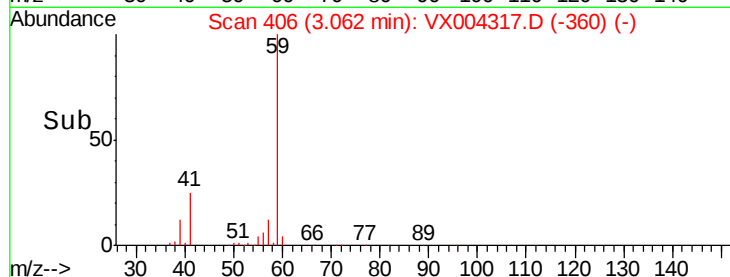
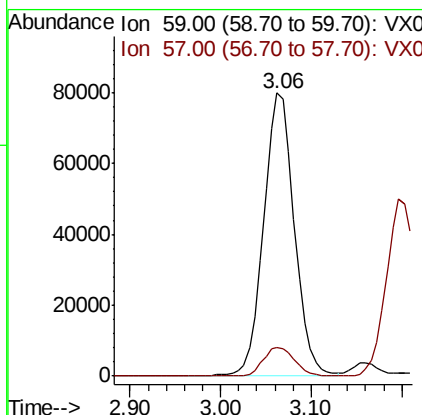
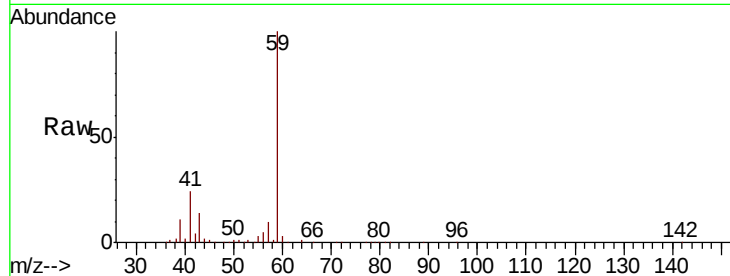
#11
Tert butyl alcohol
Concen: 205.34 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	186958
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.4

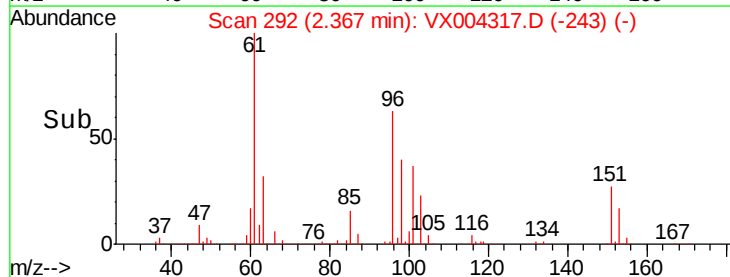
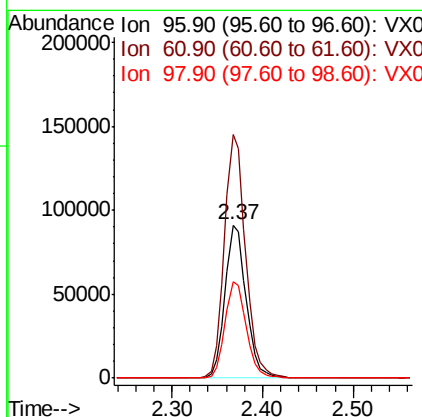
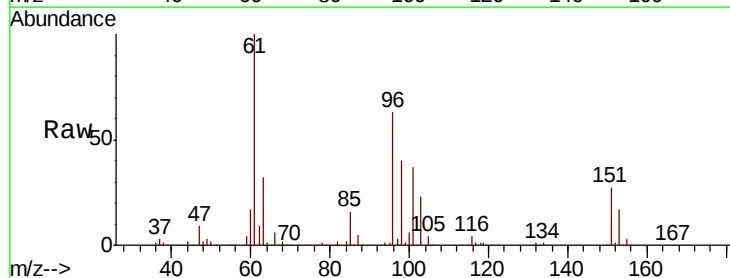
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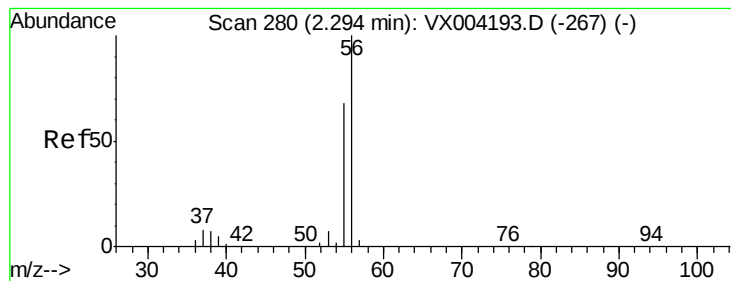
MMDadoda
8/31/2018 4:29:02 PM



#12
1,1-Dichloroethene
Concen: 42.60 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	96	Resp	147905
Ion Ratio	100	Lower	Upper
61	158.9	128.8	193.2
98	63.0	52.2	78.2





#13

Acrolein

Concen: 173.34 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38048

Ion Ratio Lower Upper

56 100

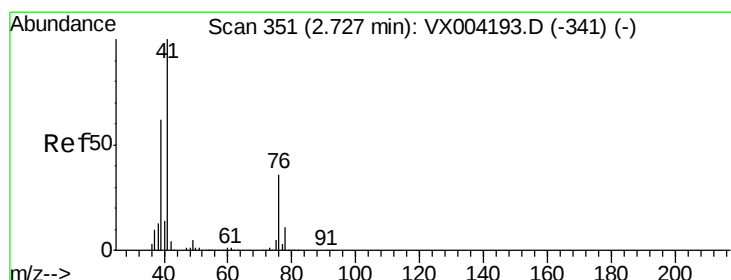
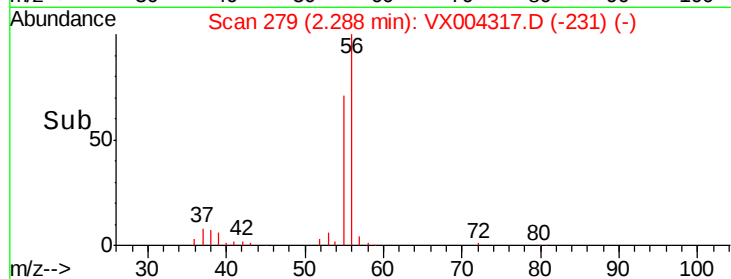
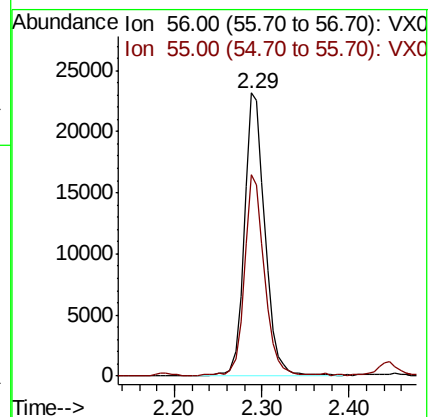
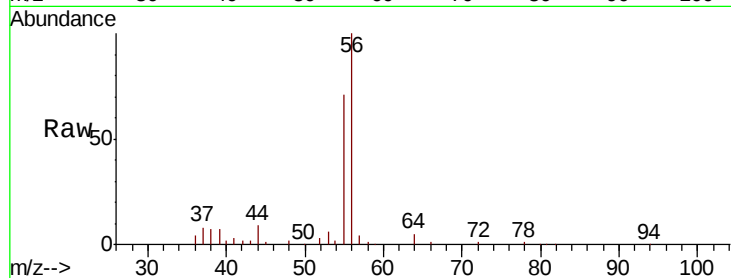
55 68.2 54.7 82.1

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#14

Allyl chloride

Concen: 44.69 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

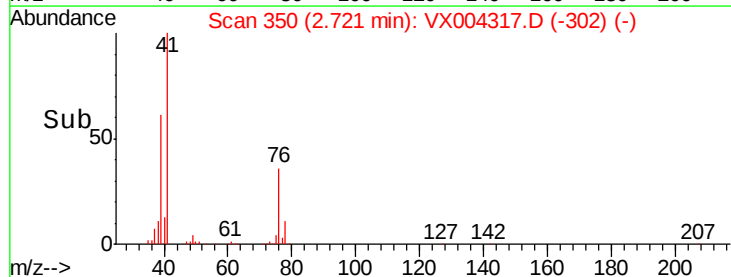
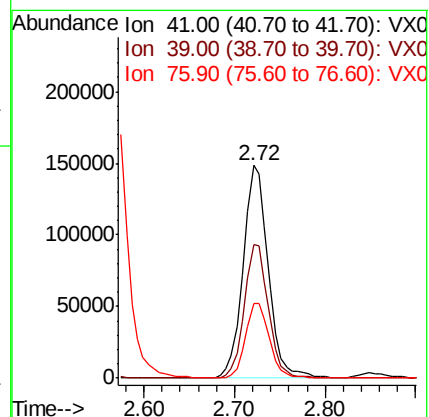
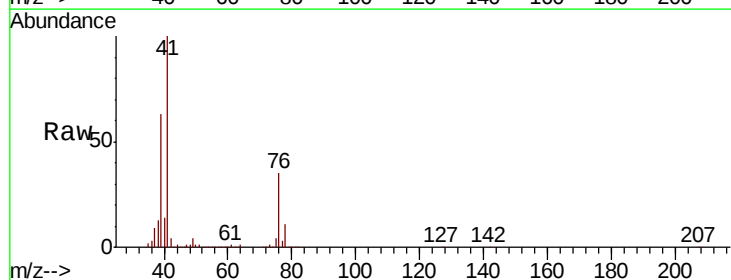
Tgt Ion: 41 Resp: 285066

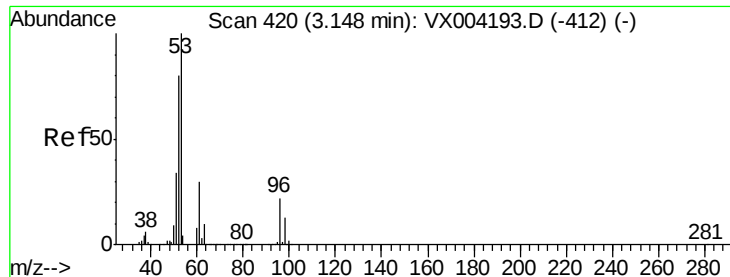
Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

76 33.1 26.7 40.1





#15

Acrylonitrile

Concen: 215.31 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

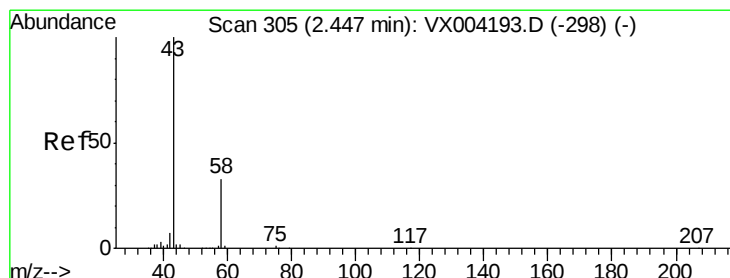
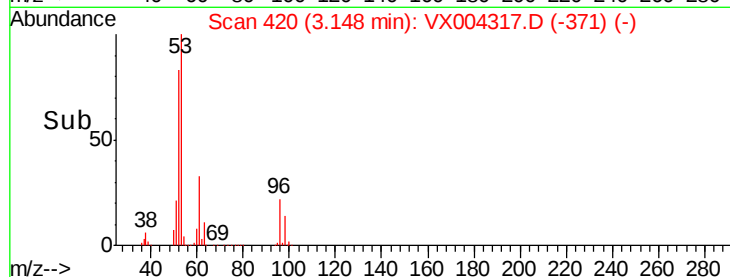
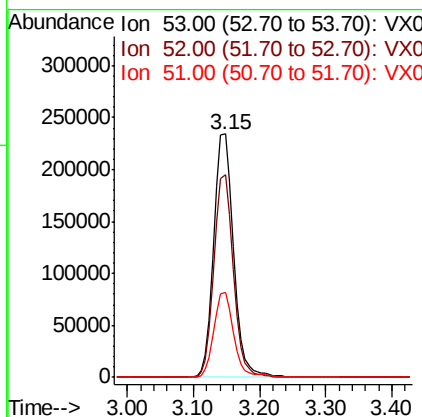
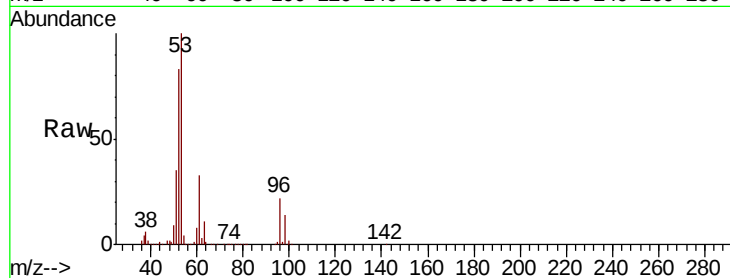
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	485470
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	34.8	28.2	42.2

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#16

Acetone

Concen: 317.95 ug/l

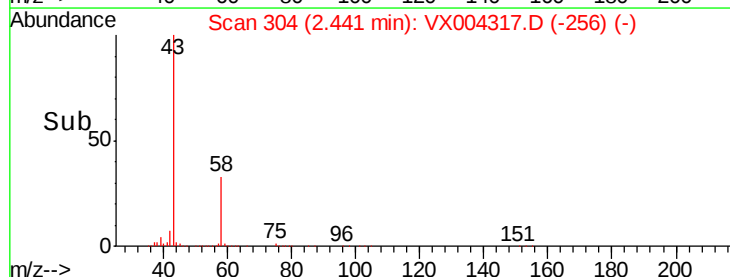
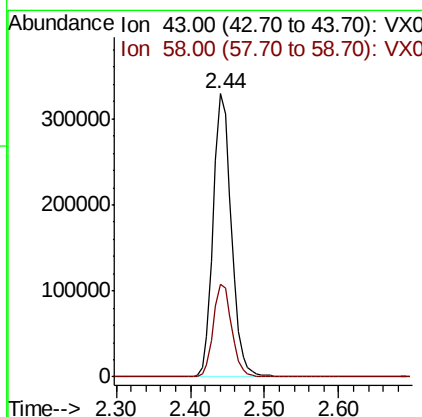
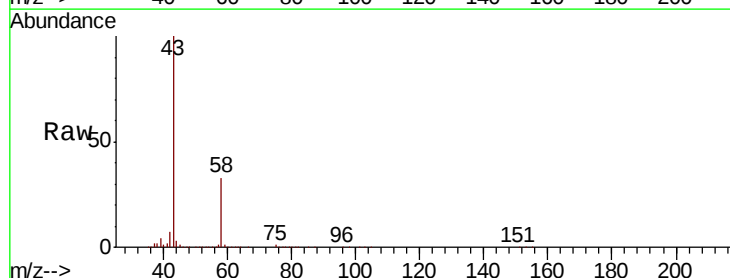
RT: 2.44 min Scan# 304

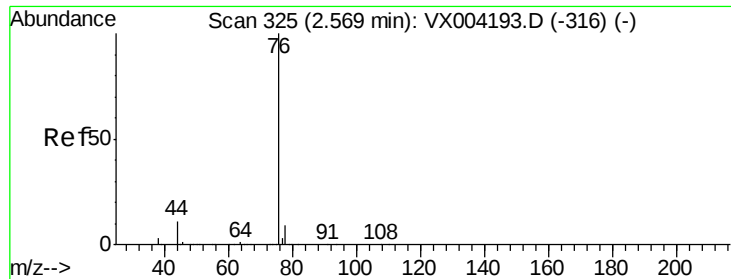
Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion:	43	Resp:	550541
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.2	39.4





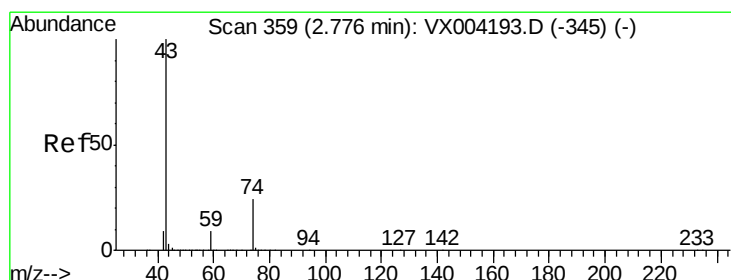
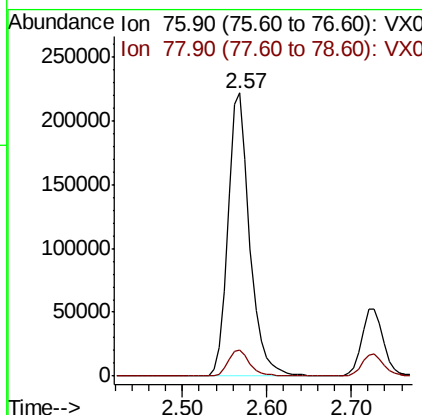
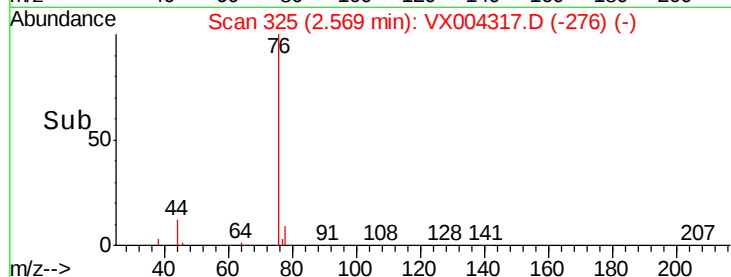
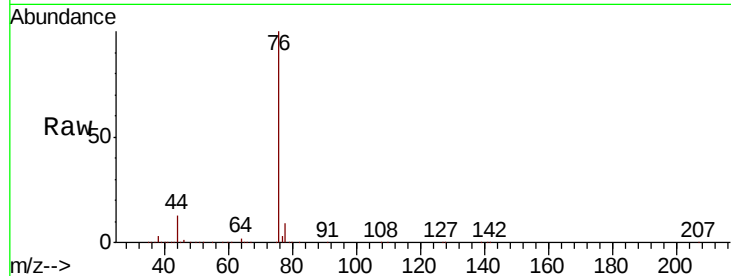
#17
Carbon Disulfide
Concen: 40.55 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

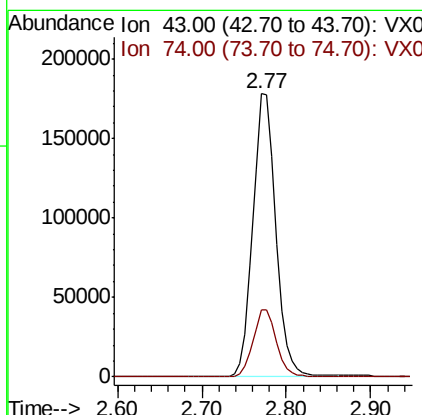
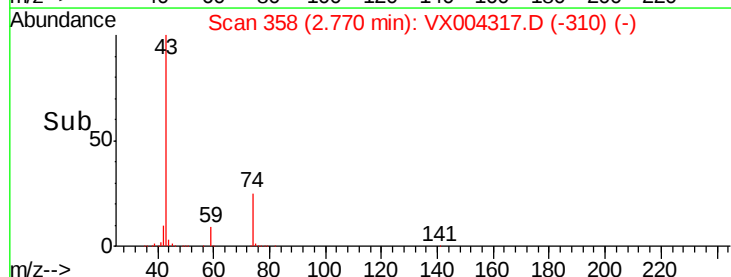
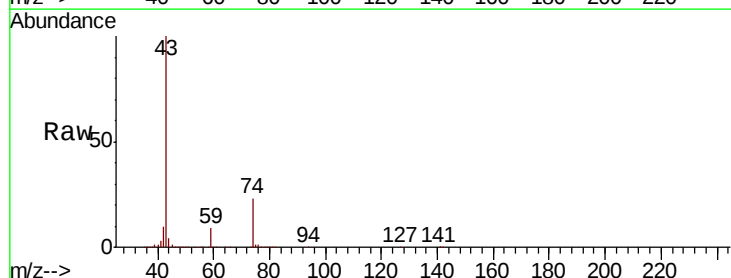
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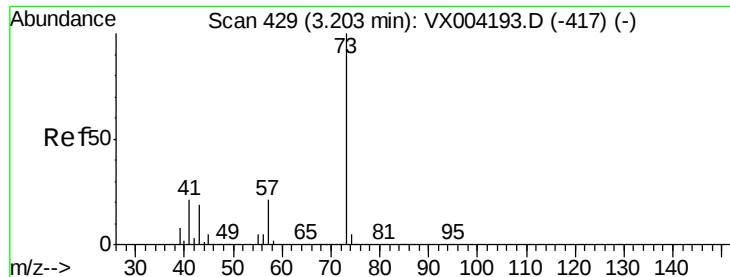
MMDadoda
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#18
Methyl Acetate
Concen: 52.01 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.2





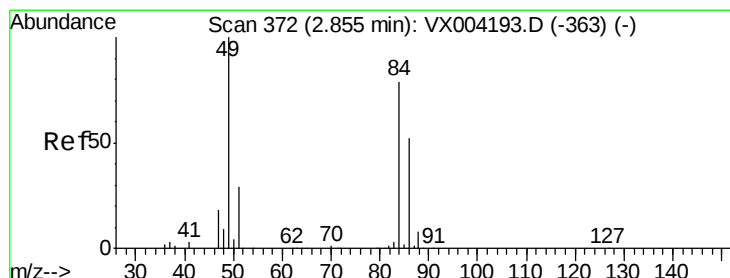
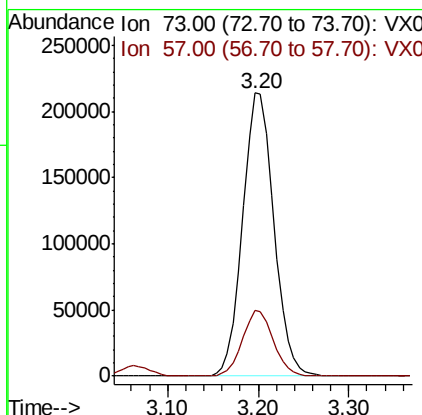
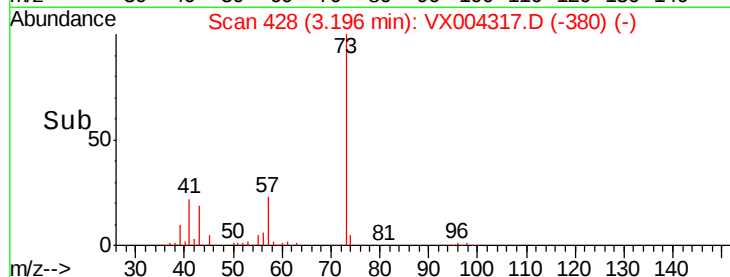
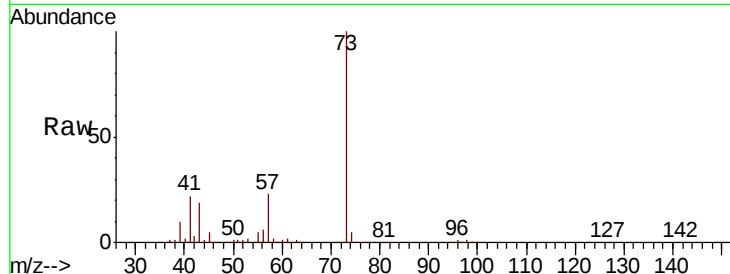
#19
Methyl tert-butyl Ether
Concen: 44.59 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.1	25.7

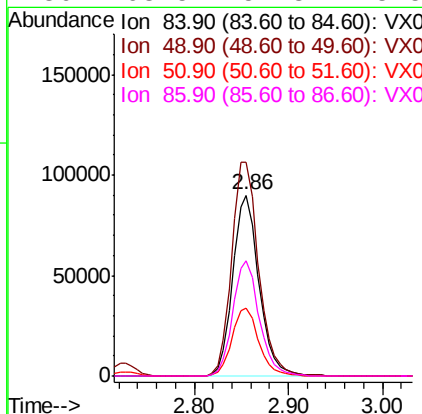
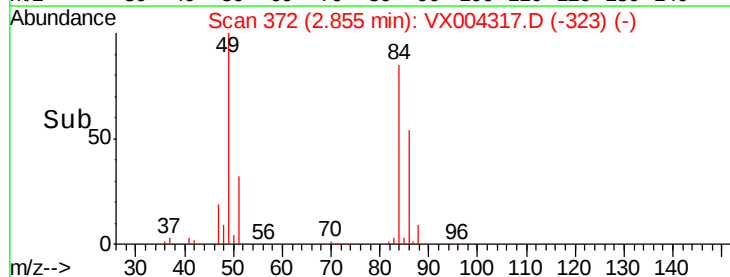
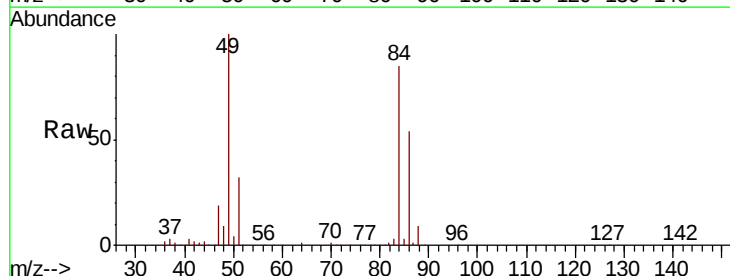
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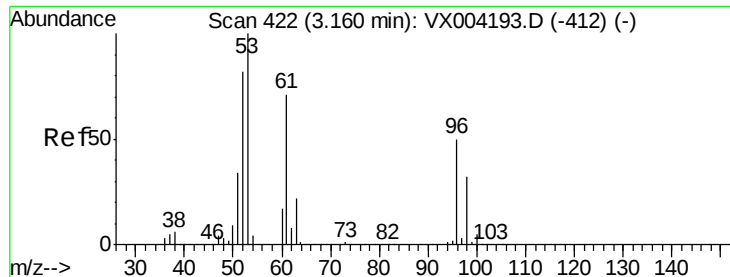
MMDadoda
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#20
Methylene Chloride
Concen: 42.50 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.0	101.2	151.8
51	37.2	29.5	44.3
86	63.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 41.80 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

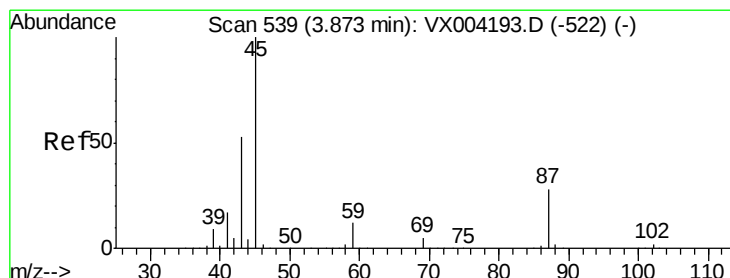
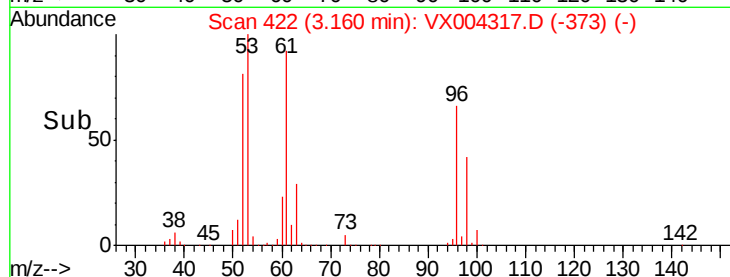
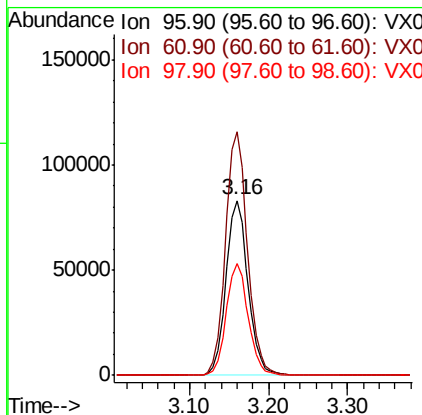
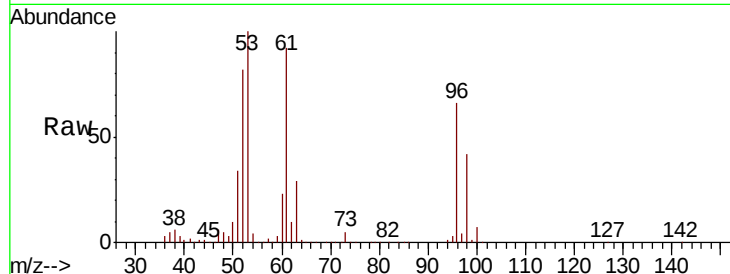
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	160614
Ion	Ratio	Lower	Upper
96	100		
61	139.3	113.8	170.6
98	64.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.58 ug/l

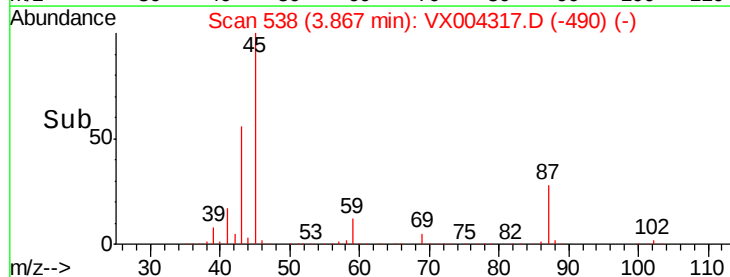
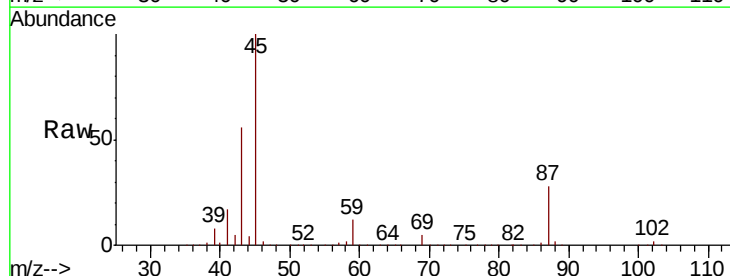
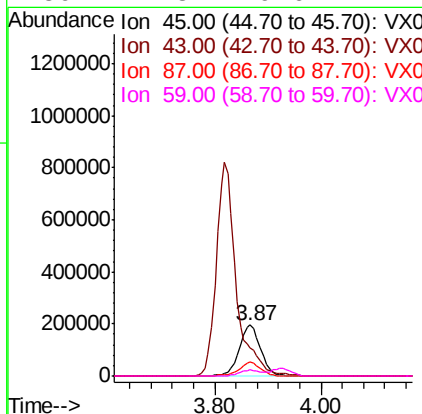
RT: 3.87 min Scan# 538

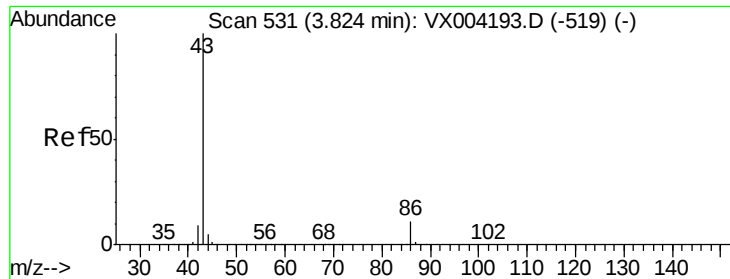
Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion:	45	Resp:	542789
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.8	64.2
87	27.8	22.6	34.0
59	11.8	9.6	14.4





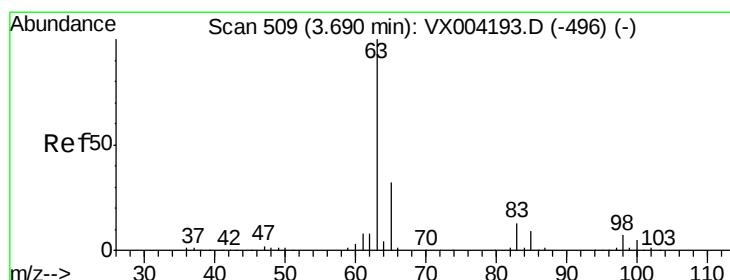
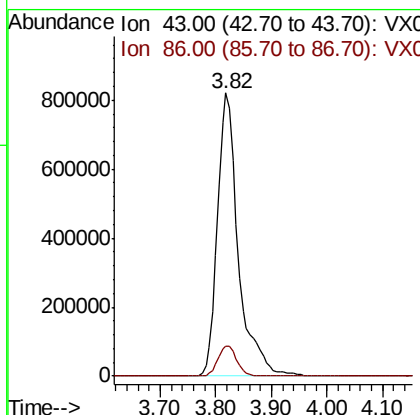
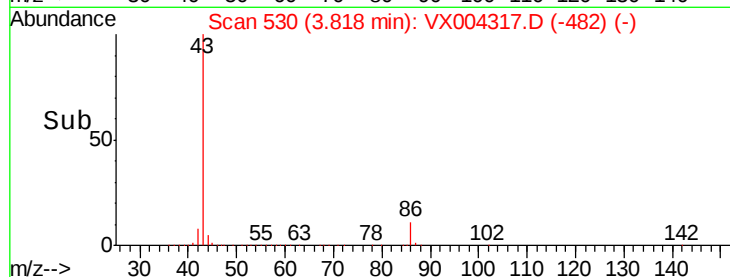
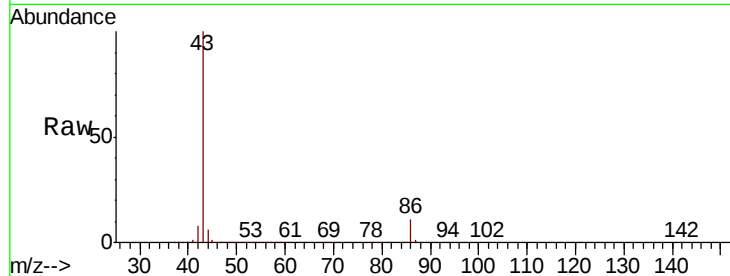
#23
 Vinyl Acetate
 Concen: 221.98 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2142610
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3

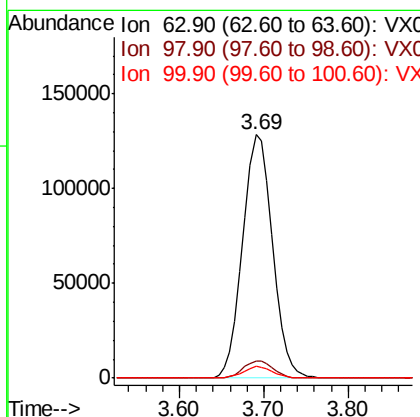
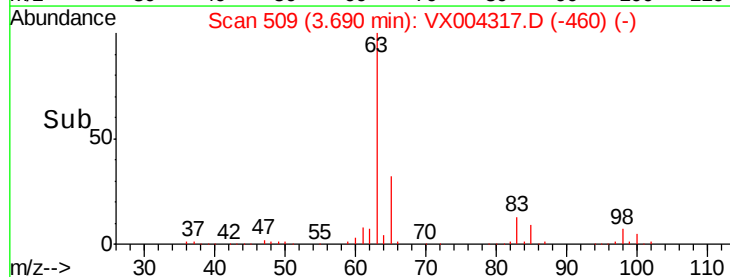
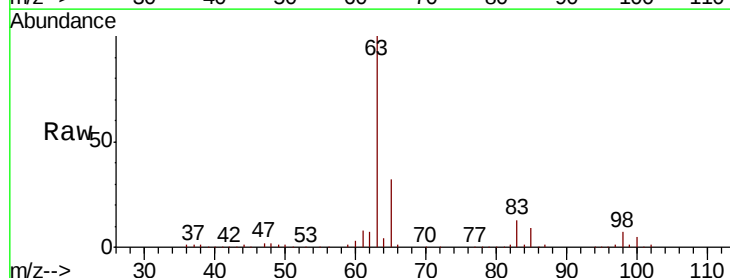
Manual Integrations
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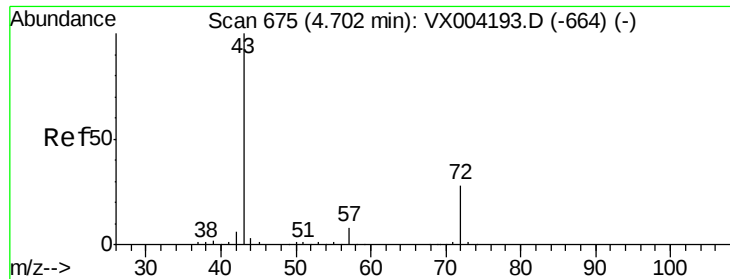
MMDadoda
 8/31/2018 4:29:02 PM



#24
 1,1-Dichloroethane
 Concen: 44.44 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 63 Resp: 308414
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.4
 100 4.8 2.4 7.1





#25

2-Butanone

Concen: 249.80 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tot Ion: 43 Resp: 714926

Ion Ratio Lower Upper

43 100

72 26.1 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

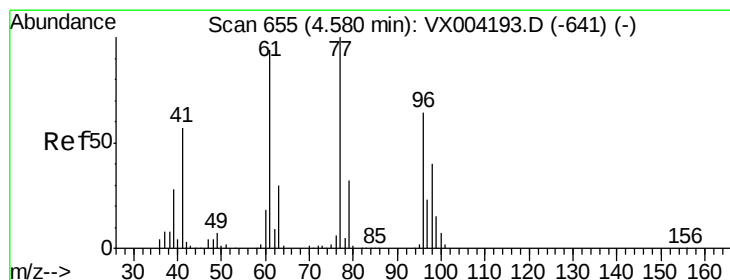
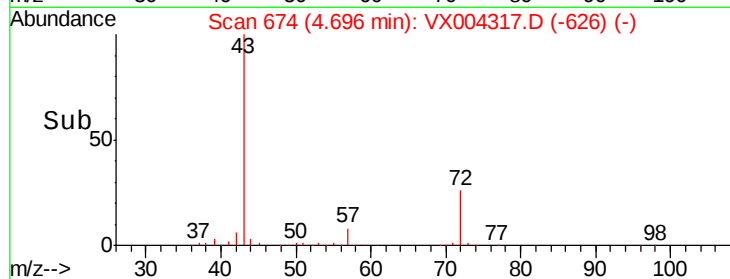
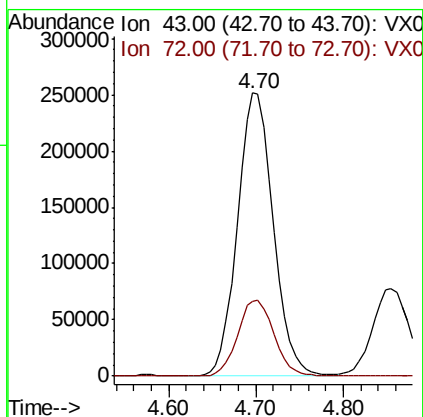
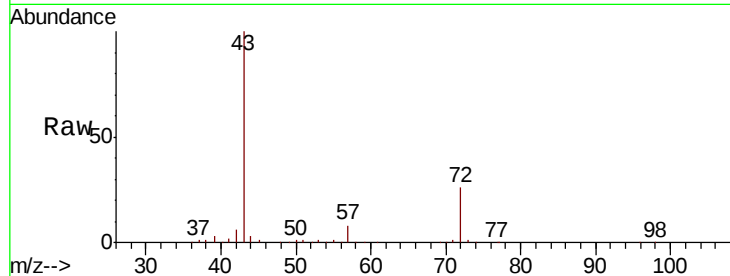
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.65 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004317.D

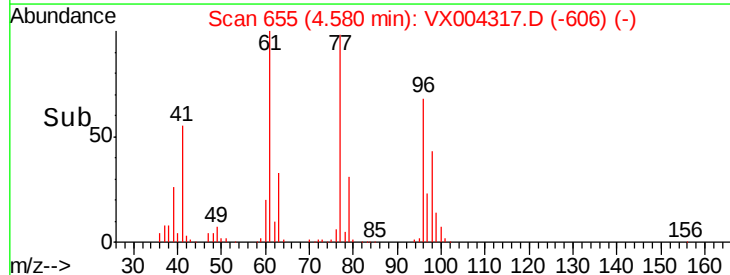
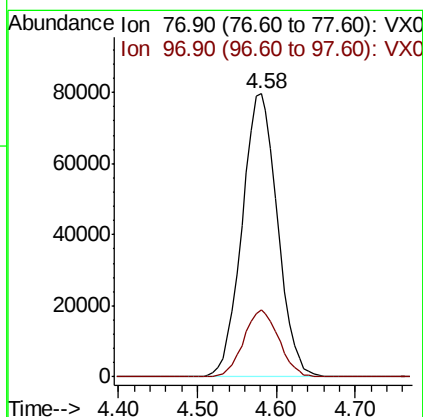
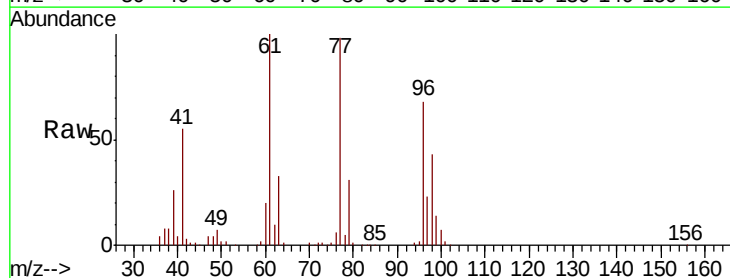
Acq: 30 Aug 2018 12:00

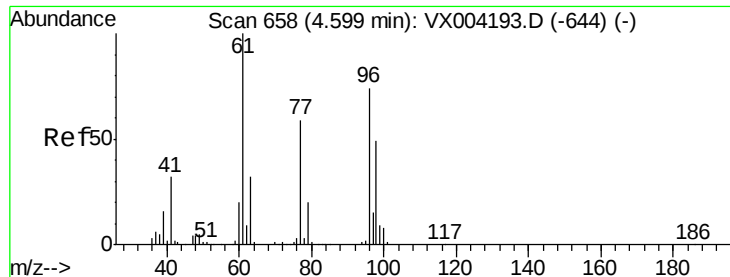
Tgt Ion: 77 Resp: 248519

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

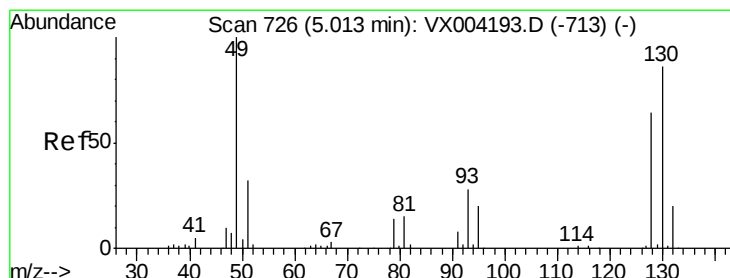
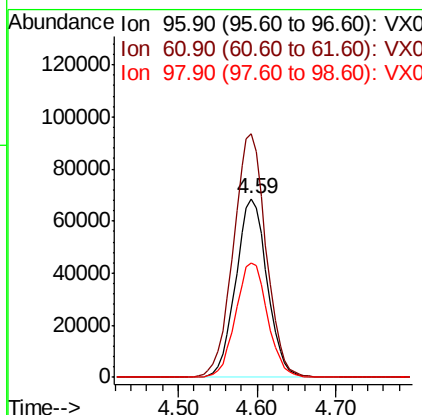
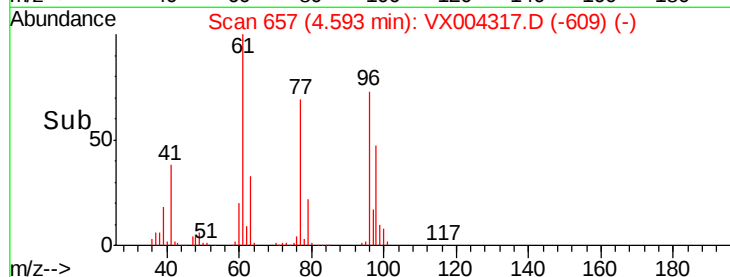
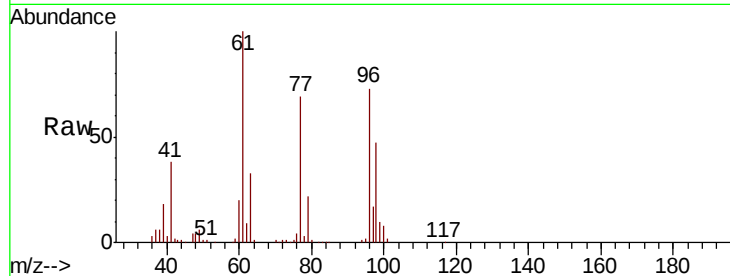
cis-1,2-Dichloroethene
Concen: 43.50 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189569		
61	141.7	0.0	282.6	
98	65.2	0.0	130.2	

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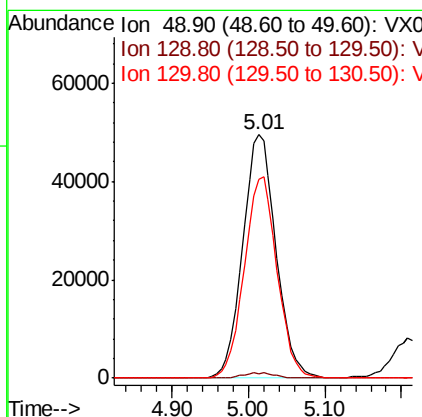
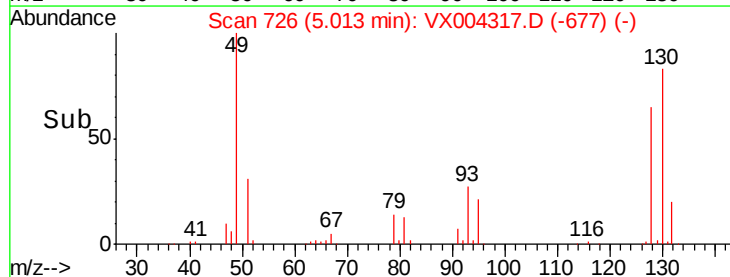
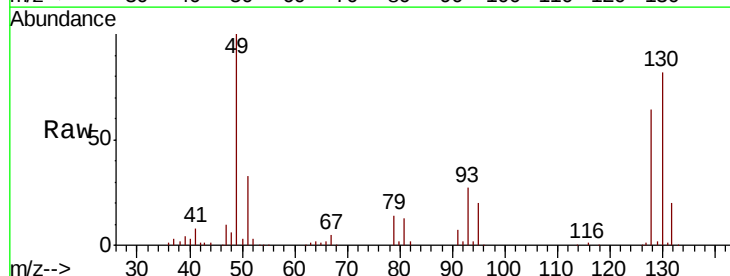
MMDadoda
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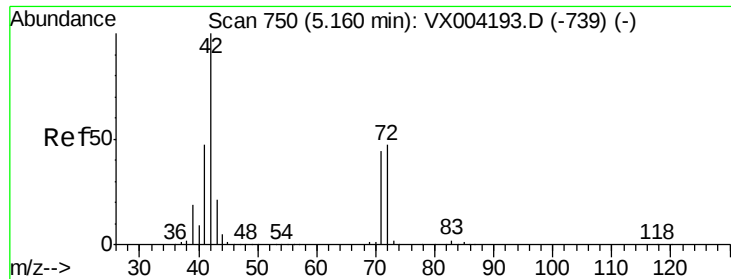


#28

Bromochloromethane
Concen: 48.65 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	149484		
129	2.1	0.0	4.2	
130	81.8	67.5	101.3	





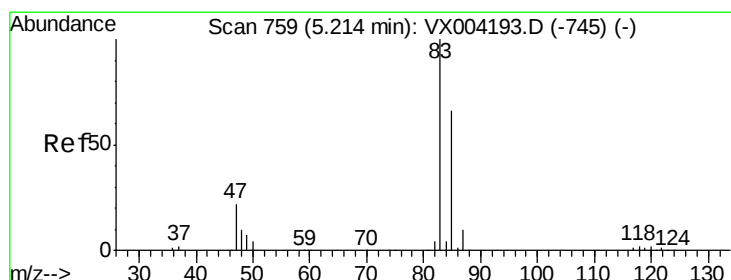
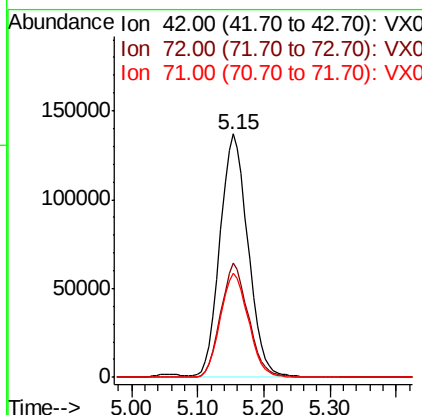
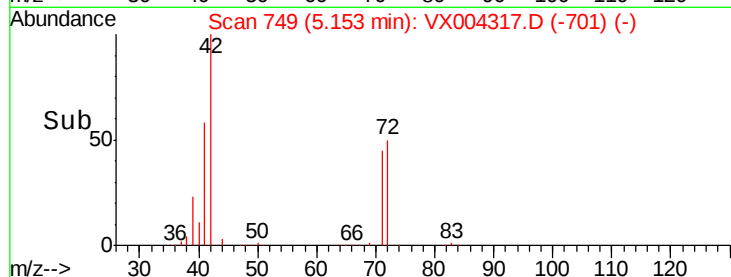
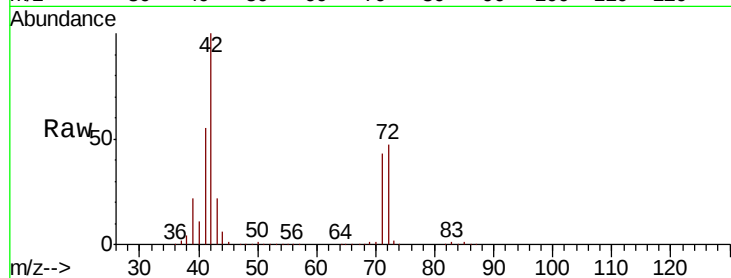
#29
Tetrahydrofuran
Concen: 218.89 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.0
71	43.0	34.5	51.7

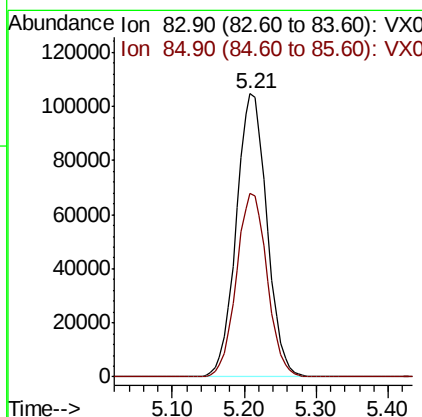
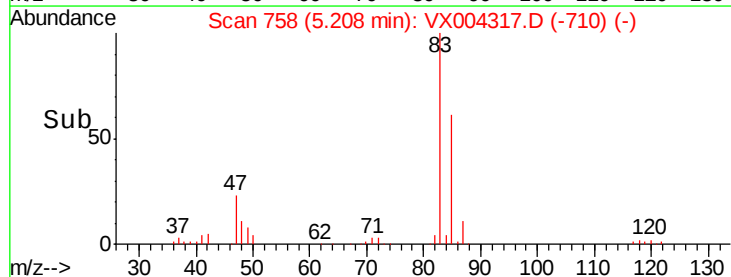
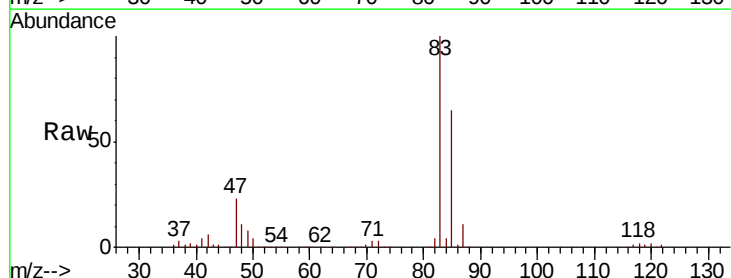
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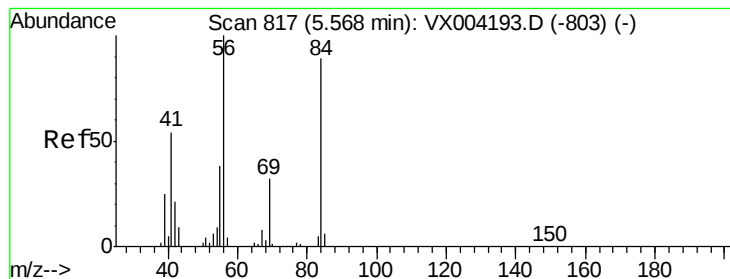
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#30
Chloroform
Concen: 44.56 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0





#31

Cyclohexane

Concen: 44.20 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 264671

Ion Ratio Lower Upper

56 100

69 31.0 25.4 38.2

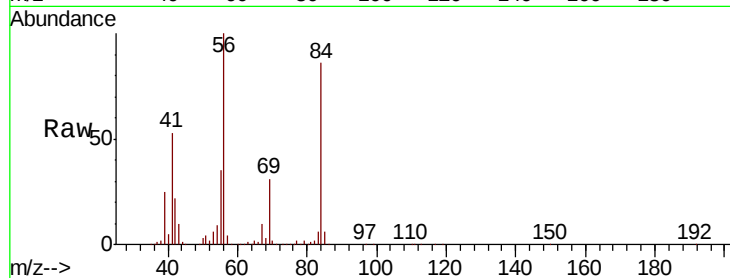
84 84.4 71.4 107.2

Manual Integrations

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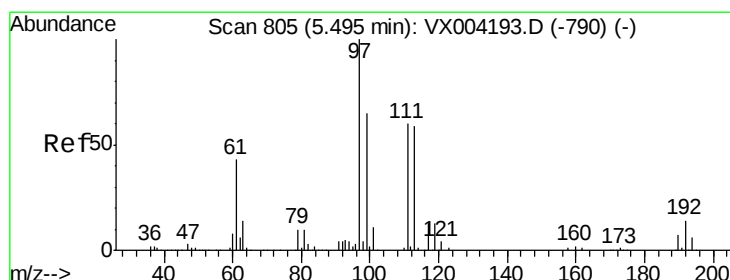
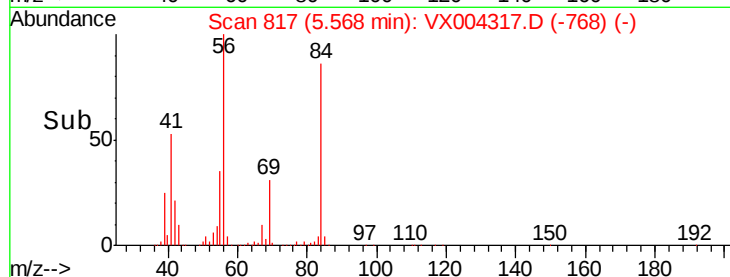
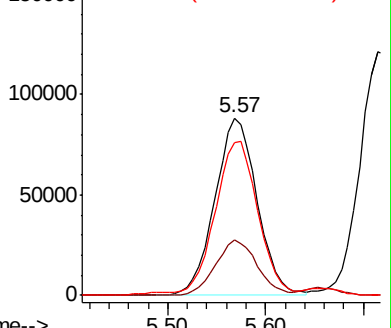
8/31/2018 4:29:02 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 44.70 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

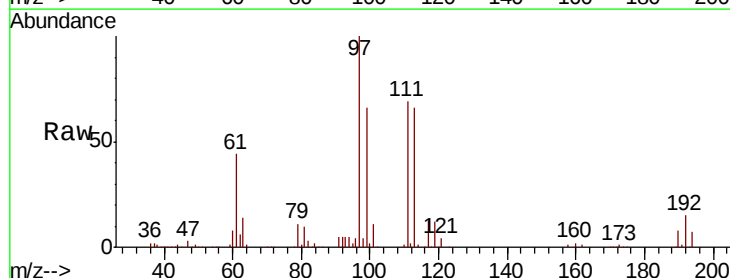
Tgt Ion: 97 Resp: 259380

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

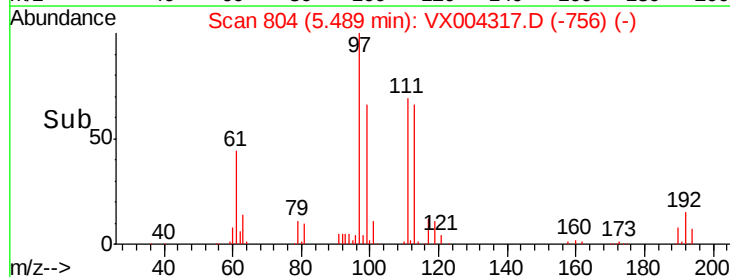
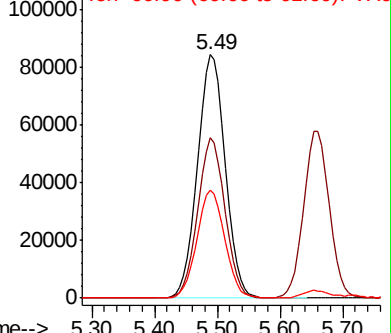
61 44.3 34.9 52.3

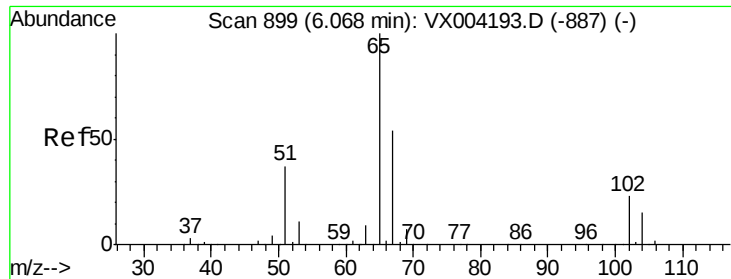


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





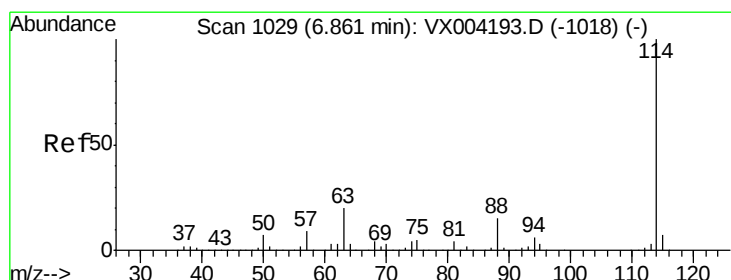
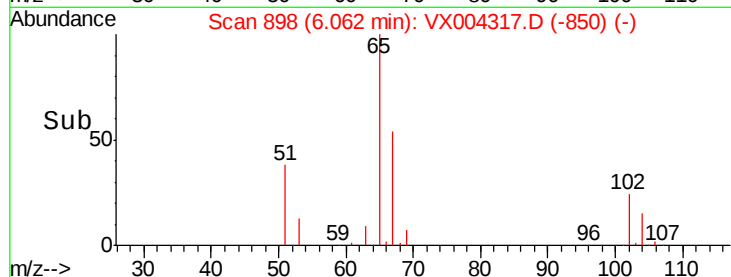
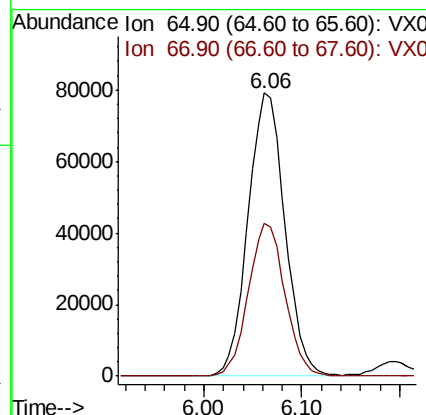
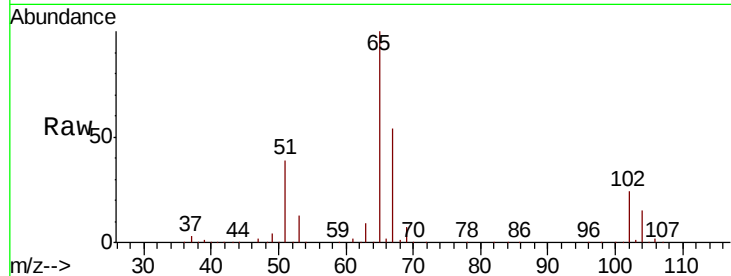
#33
 1,2-Dichloroethane-d4
 Concen: 48.39 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206695		
67	53.5		0.0	106.8

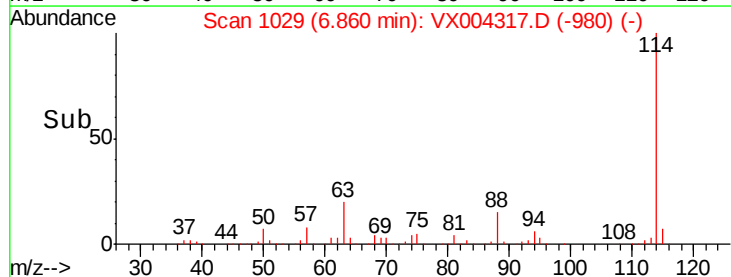
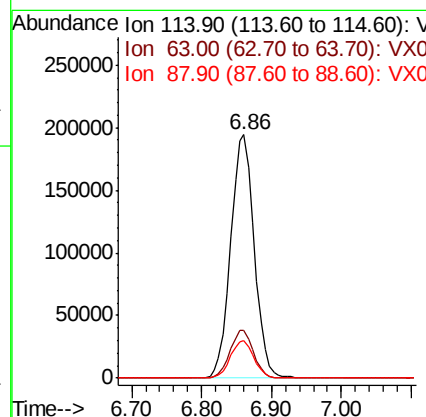
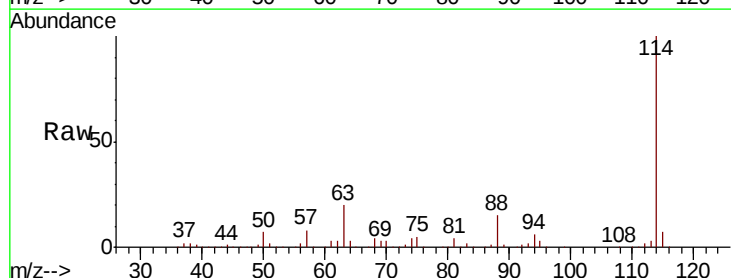
Manual Integrations
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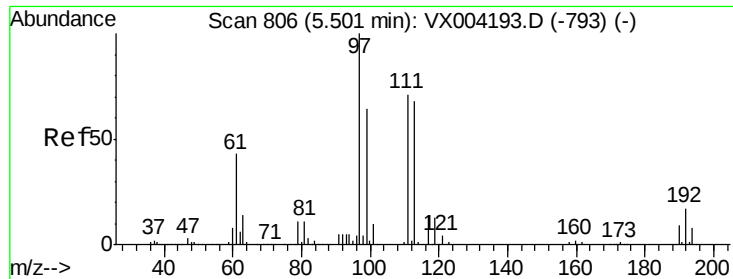
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	454485		
63	19.6		0.0	39.0
88	15.4		0.0	30.4





#35

Dibromofluoromethane

Concen: 53.35 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

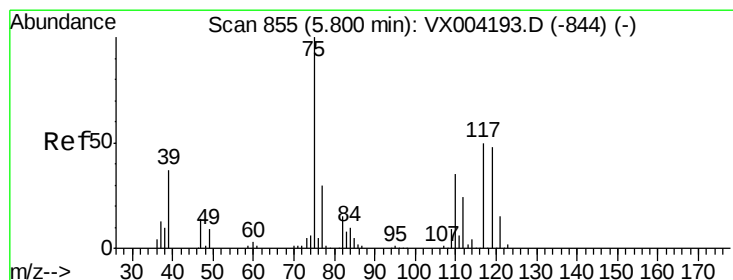
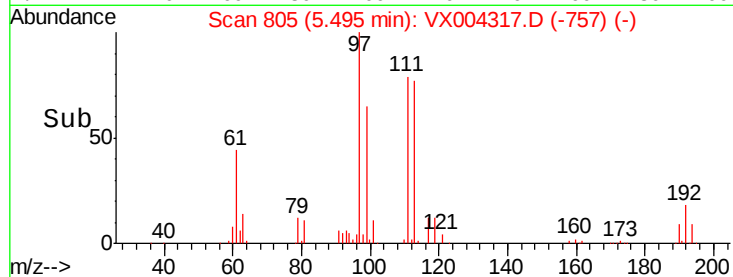
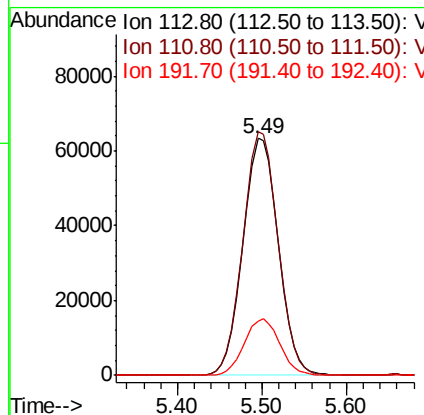
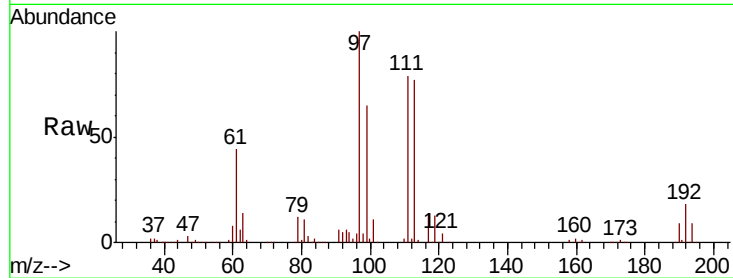
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	180364
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	24.0	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 46.02 ug/l

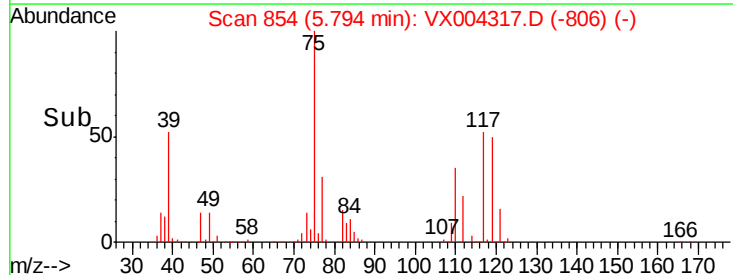
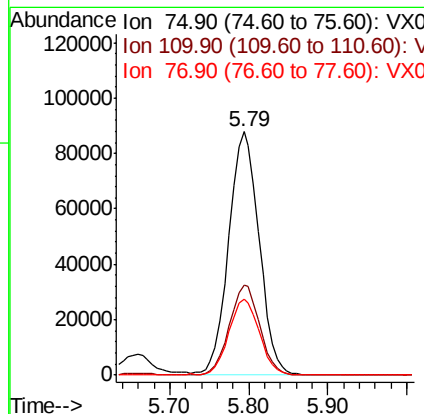
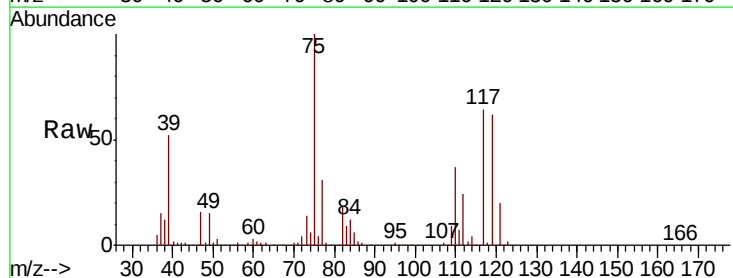
RT: 5.79 min Scan# 854

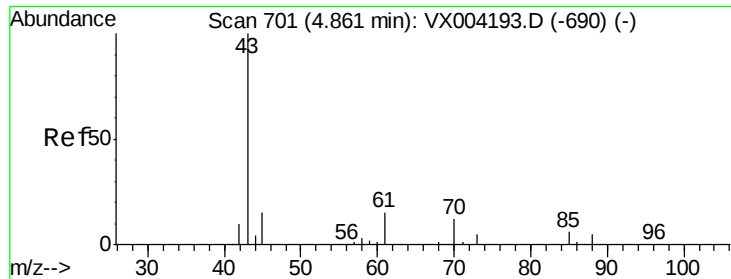
Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion:	75	Resp:	235160
Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.0	54.0
77	31.4	24.6	36.8





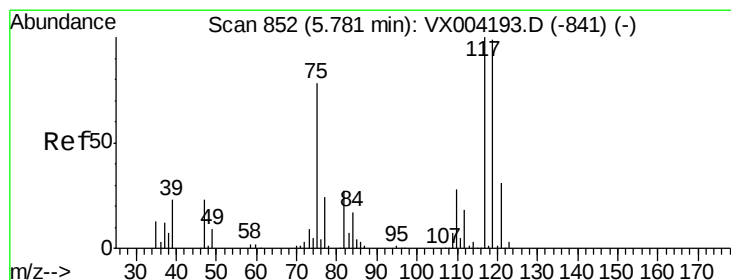
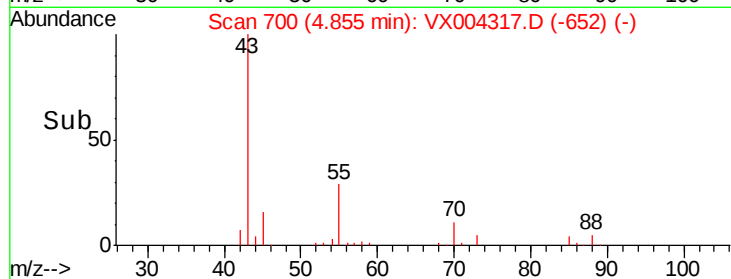
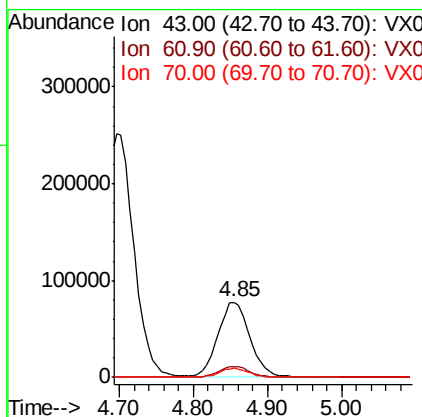
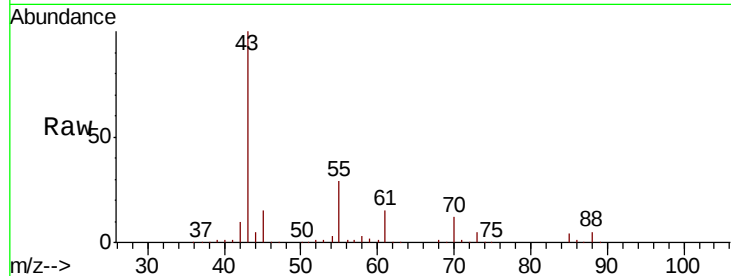
#37
Ethyl Acetate
Concen: 45.97 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.0	13.6

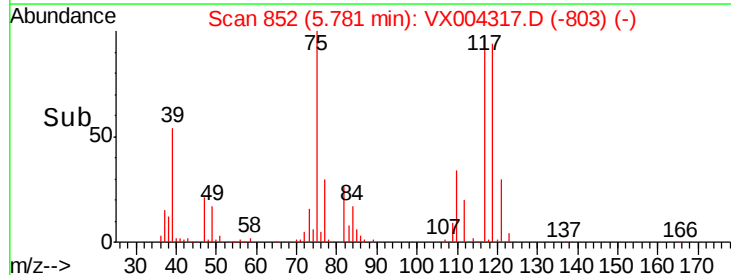
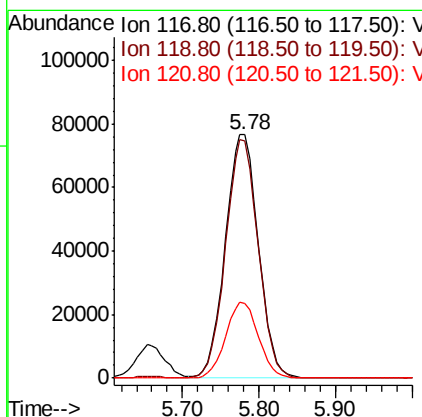
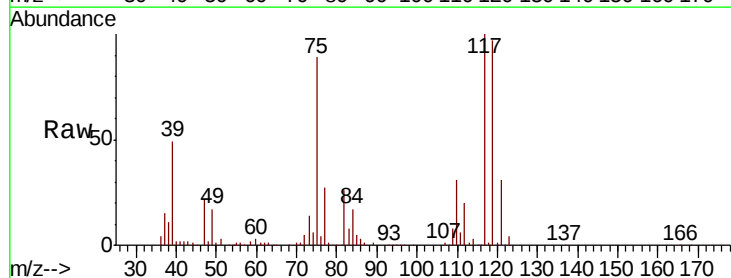
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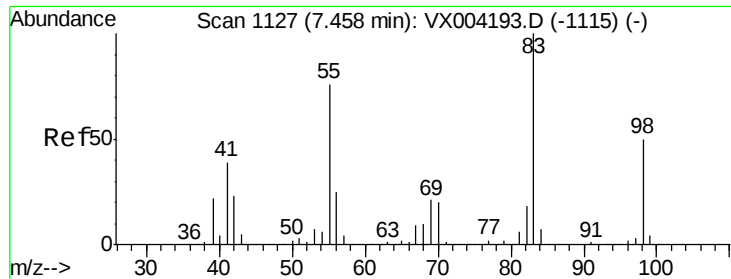
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.65 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.8	118.2
121	30.7	24.9	37.3





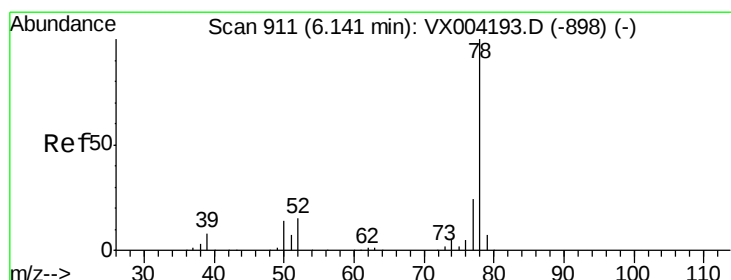
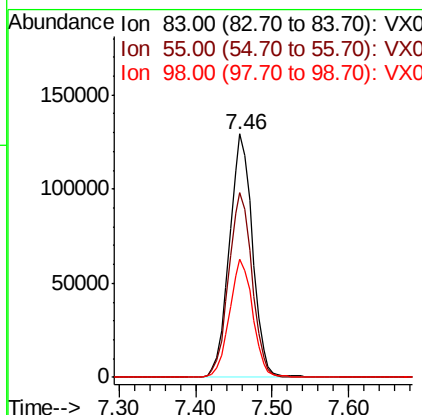
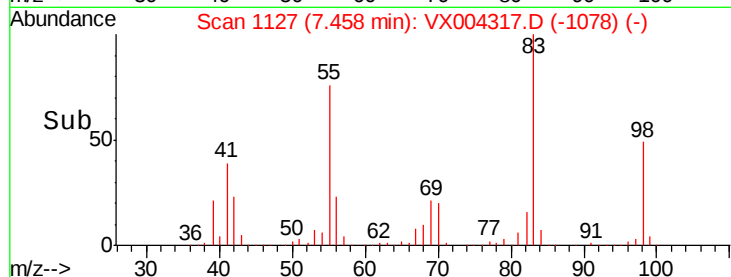
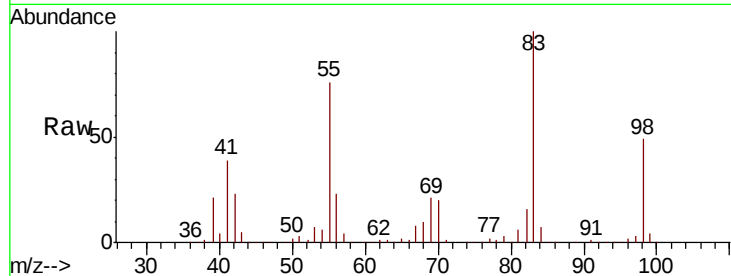
#39
Methvlcvclohexane
Concen: 46.34 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	270334		
55	75.9		61.0	91.4
98	48.7		39.6	59.4

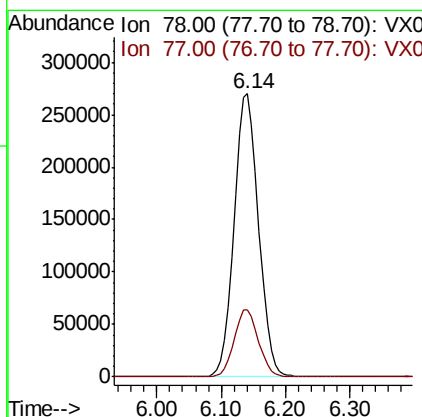
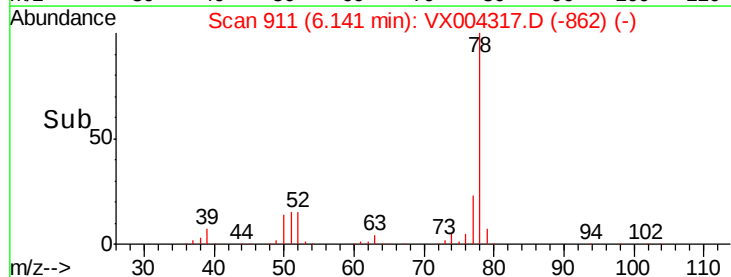
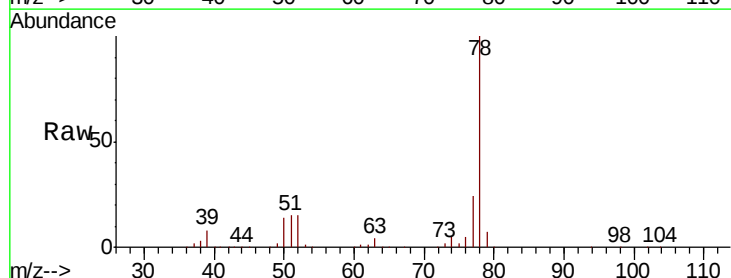
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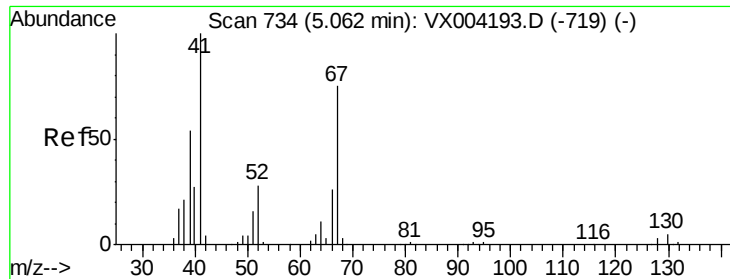
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#40
Benzene
Concen: 46.64 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	712132		
77	23.9		19.0	28.4





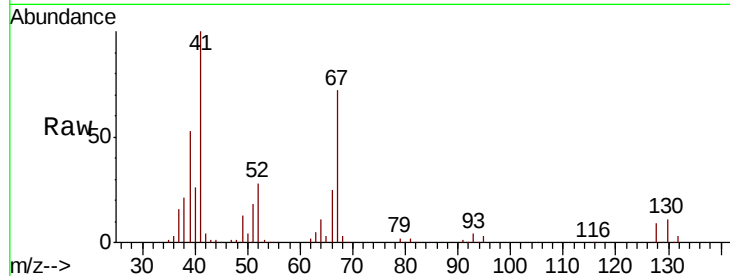
#41
Methacrylonitrile
Concen: 48.17 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	42.4	63.6
67	71.9	59.2	88.8
52	29.5	23.0	34.4

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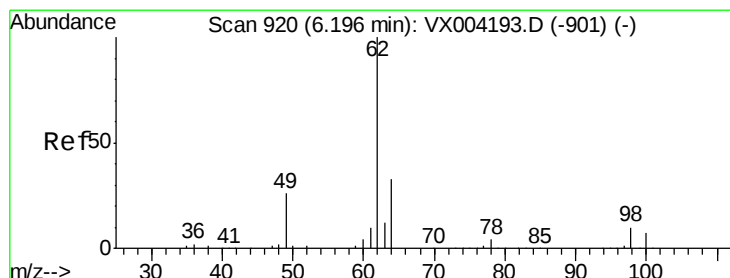
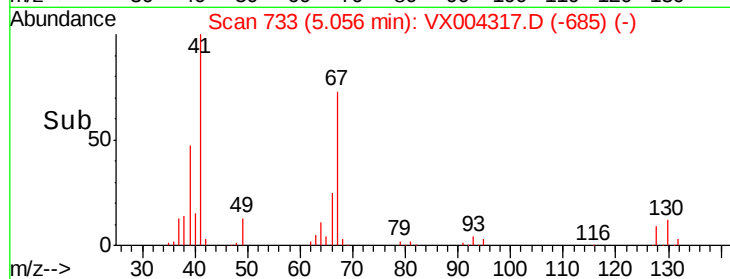
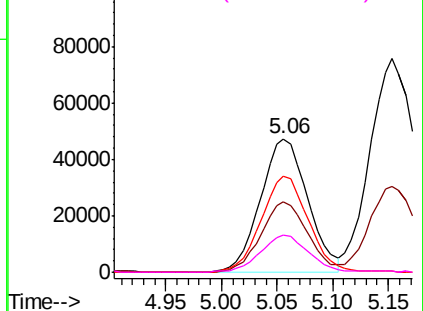
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

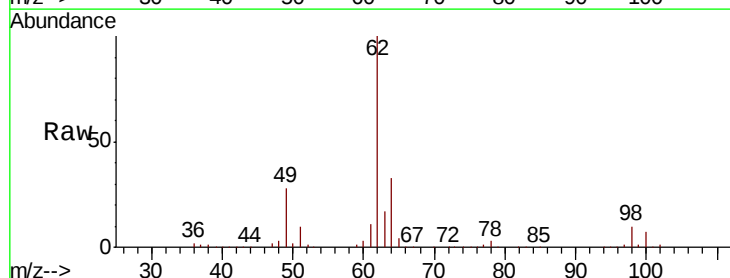
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 45.96 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

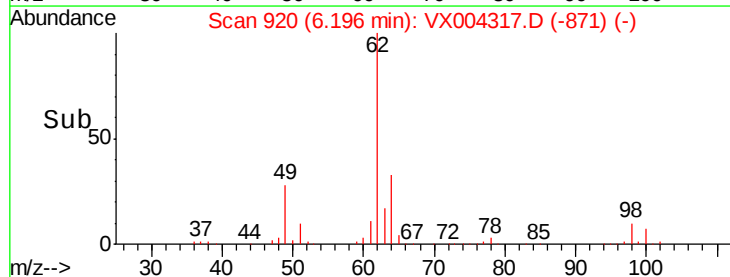
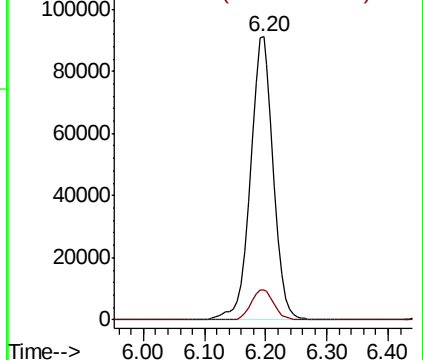
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6

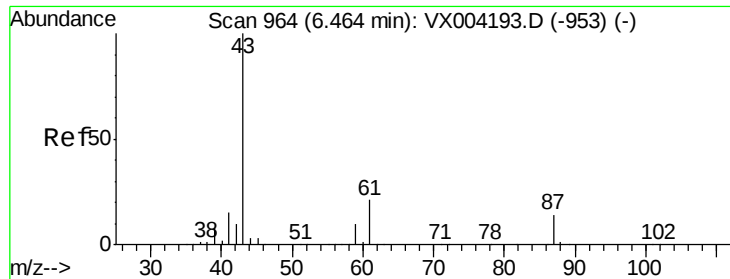


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

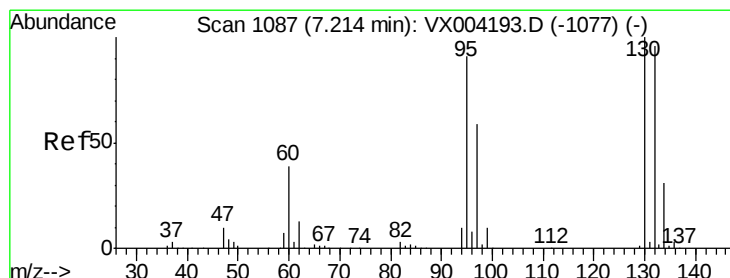
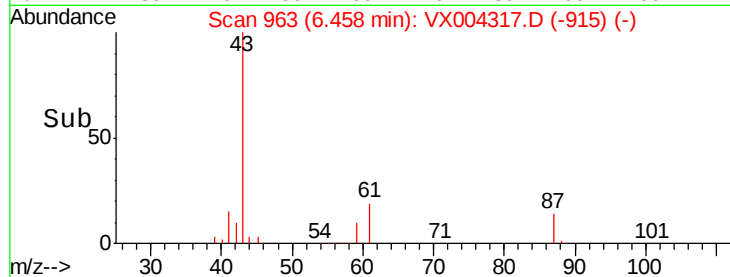
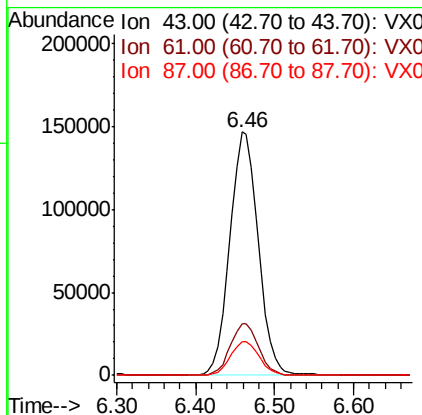
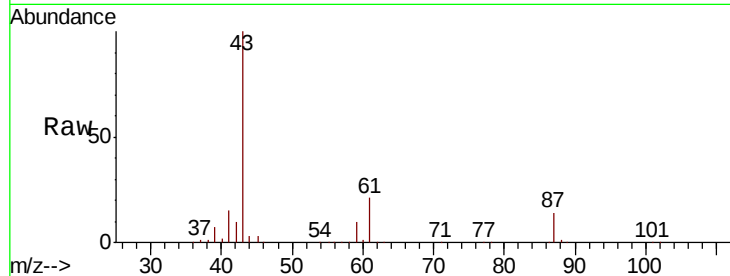
Isopropyl Acetate
 Concen: 47.65 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	14.0	11.4	17.2

Manual Integrations
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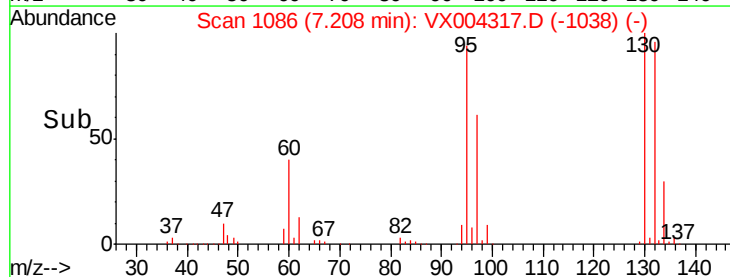
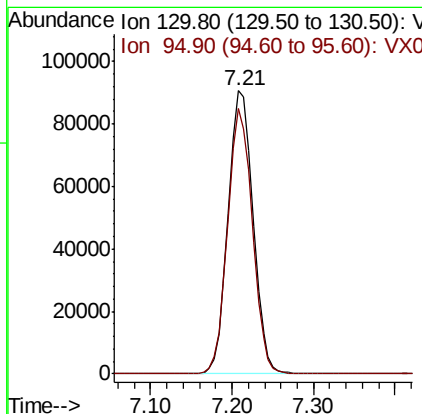
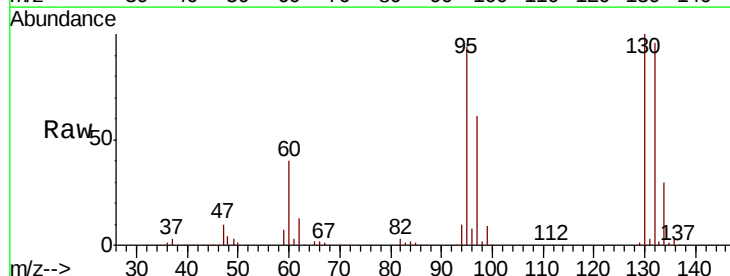
MMDadoda
 8/31/2018 4:29:02 PM

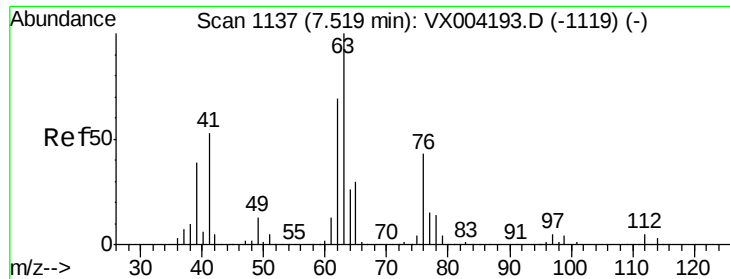


#44

Trichloroethene
 Concen: 45.34 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	181.6





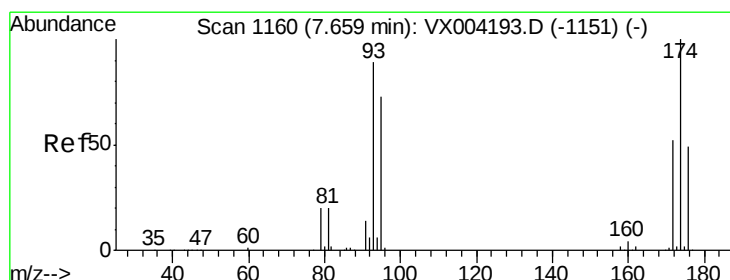
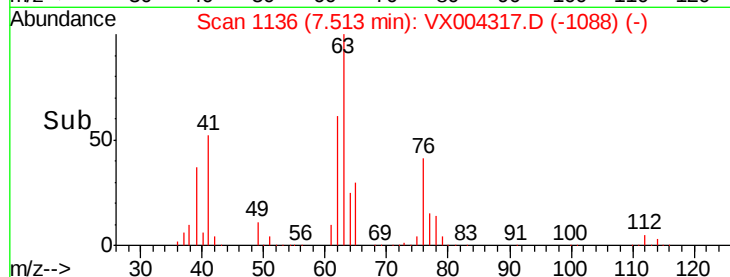
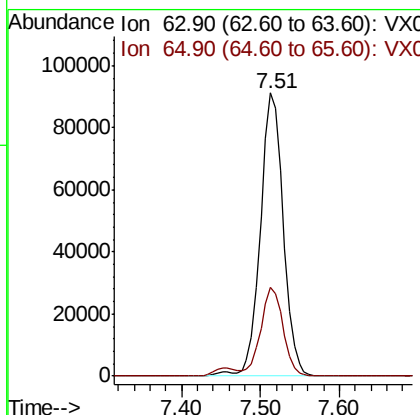
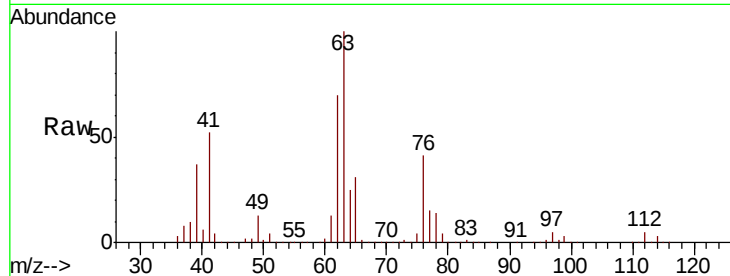
#45
 1,2-Dichloropropane
 Concen: 48.35 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

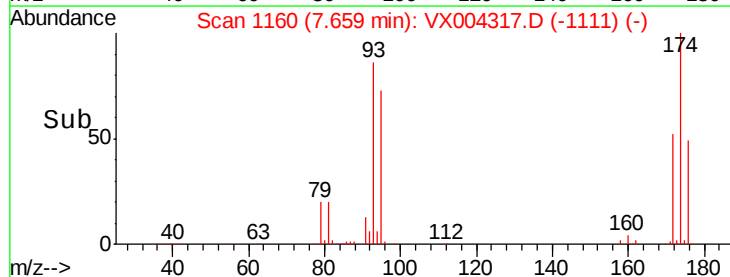
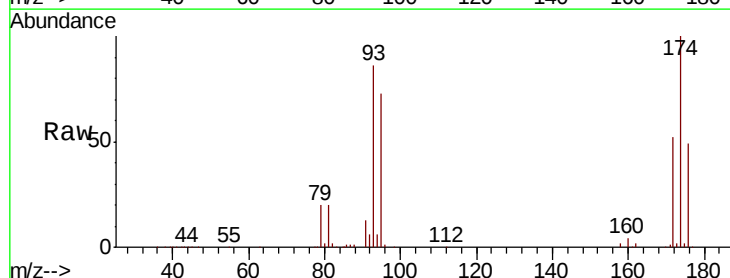
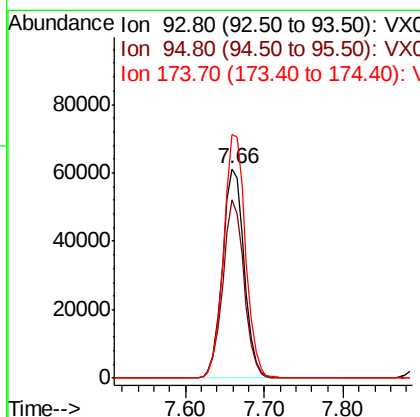
Manual Integrations
 APPROVED

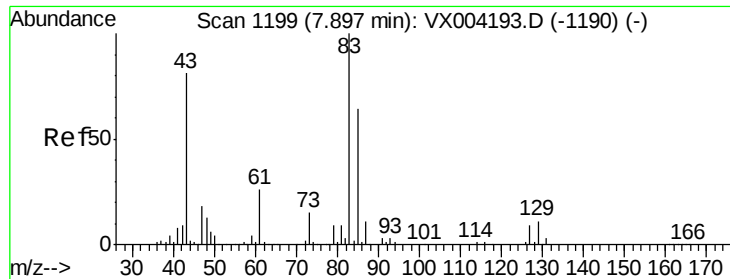
MMDadoda
 8/31/2018 4:29:02 PM



#46
 Dibromomethane
 Concen: 45.95 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.5	98.3
174	117.5	94.2	141.4





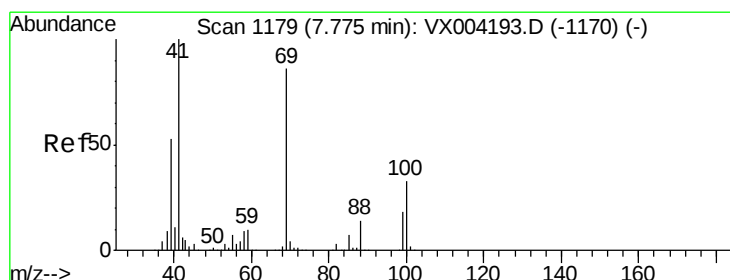
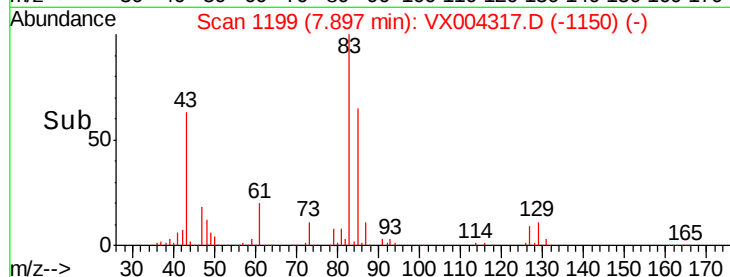
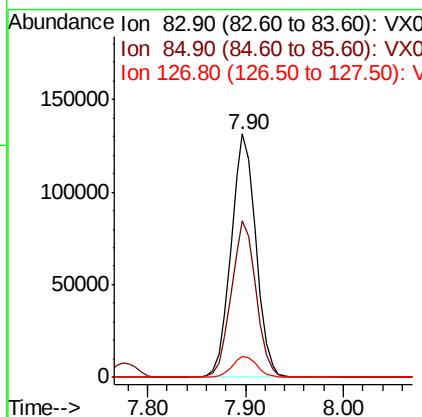
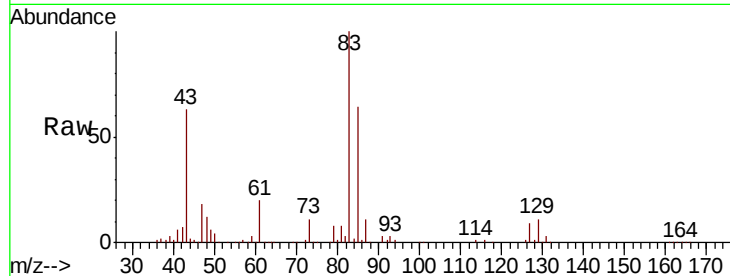
#47
 Bromodichloromethane
 Concen: 48.73 ug/l
 RT: 7.90 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230675		
85	64.4	50.9	76.3	
127	8.8	7.3	10.9	

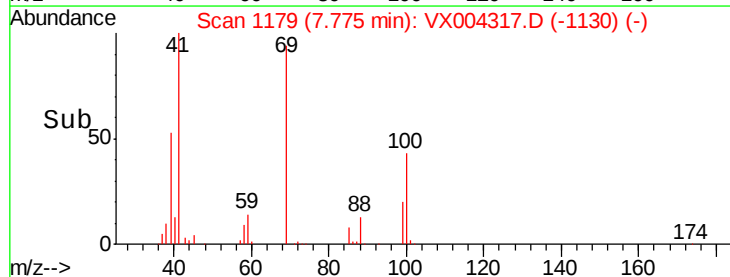
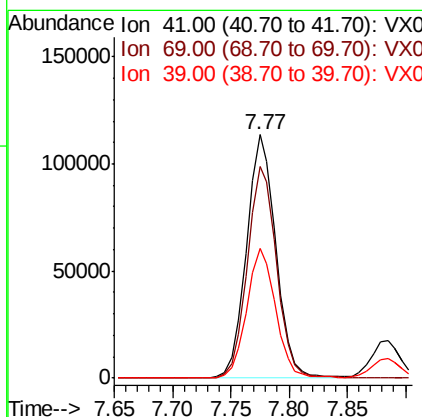
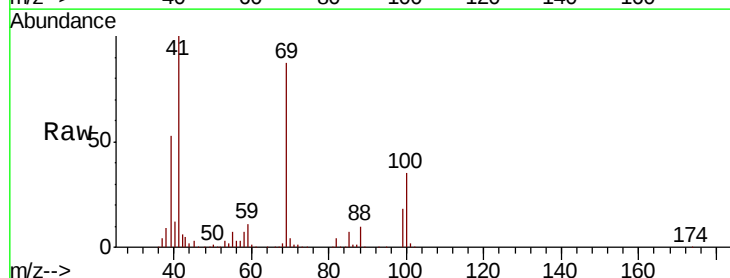
Manual Integrations
 APPROVED

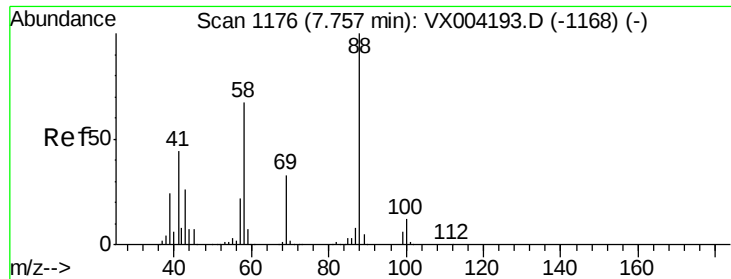
MMDadoda
 8/31/2018 4:29:02 PM



#48
 Methyl methacrylate
 Concen: 48.23 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	199264		
69	87.4	70.2	105.4	
39	52.7	42.7	64.1	





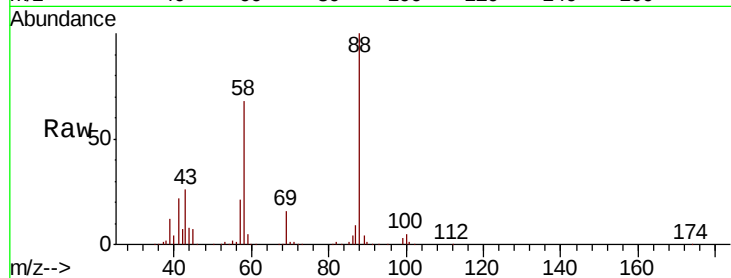
#49
1,4-Dioxane
Concen: 896.42 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.7	37.1
58	69.6	55.3	82.9

Manual Integrations
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MMDadoda
8/31/2018 4:29:02 PM

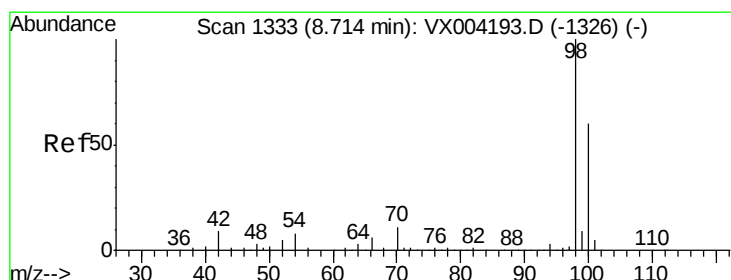
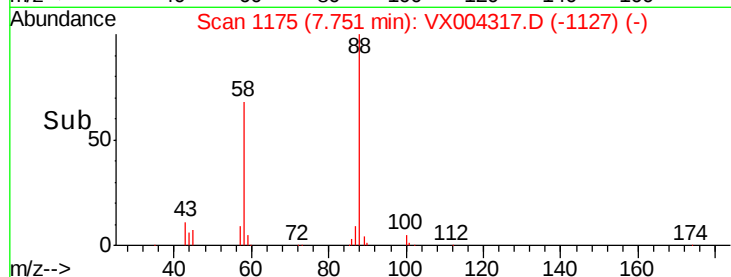
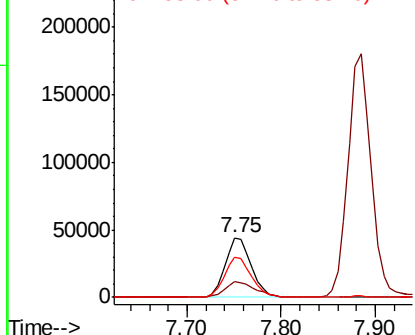


Abundance

Ion 88.00 (87.70 to 88.70): VX0

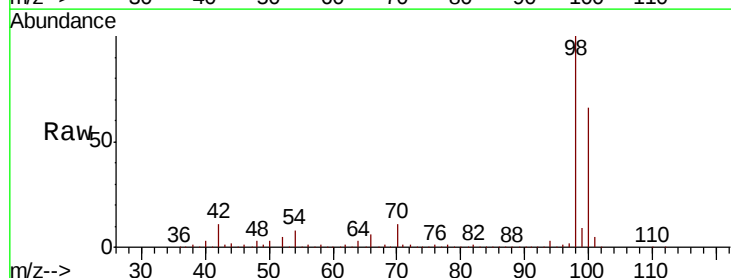
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.05 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

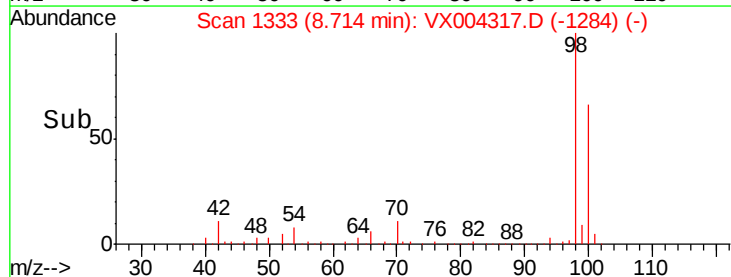
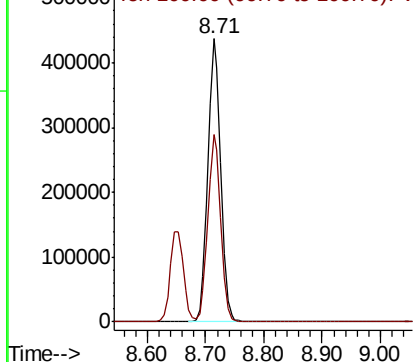
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.9	79.3

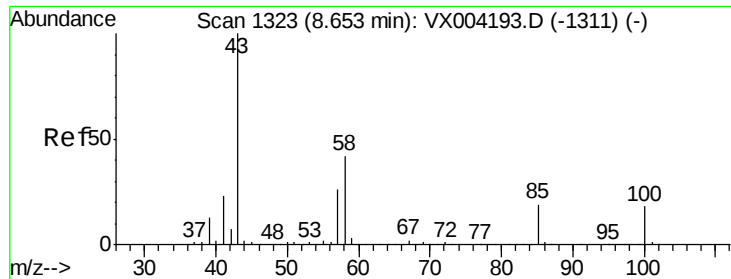


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 225.66 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1266024

Ion Ratio Lower Upper

43 100

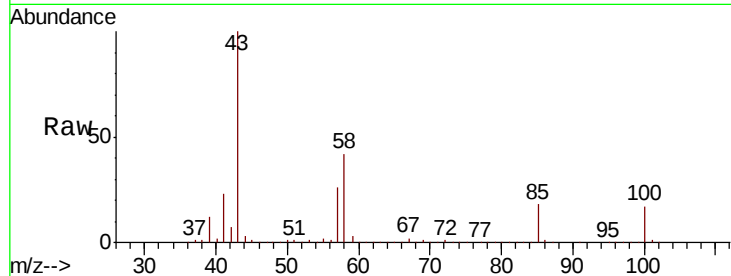
58 41.6 33.1 49.7

Manual Integrations

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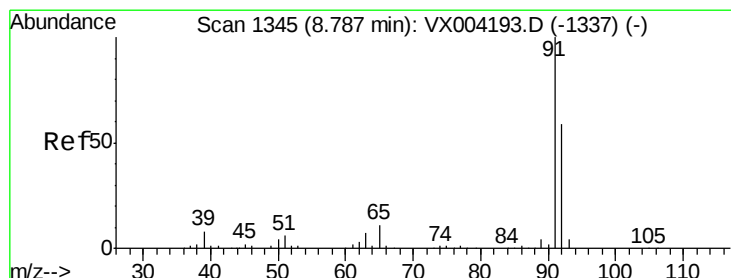
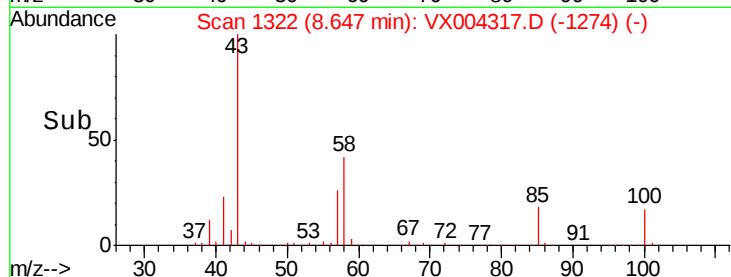
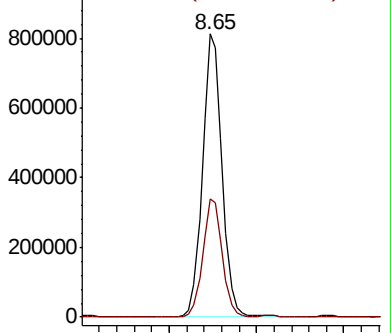
MMDadoda

8/31/2018 4:29:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004317.D

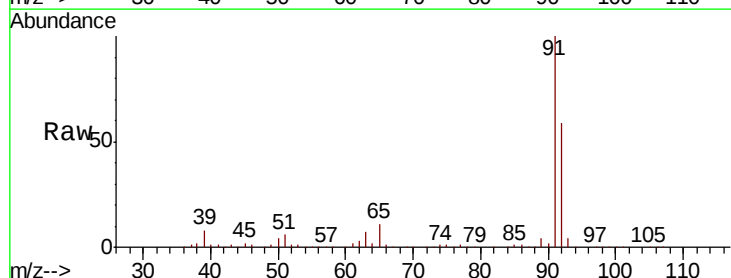
Acq: 30 Aug 2018 12:00

Tgt Ion: 92 Resp: 454398

Ion Ratio Lower Upper

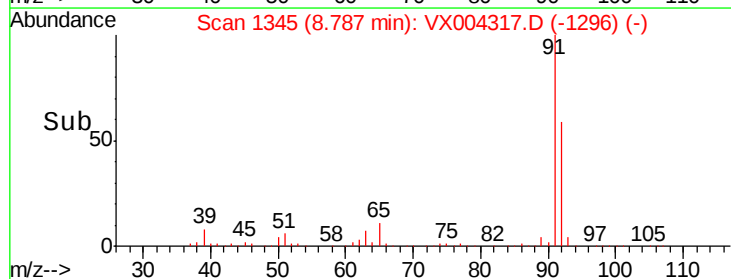
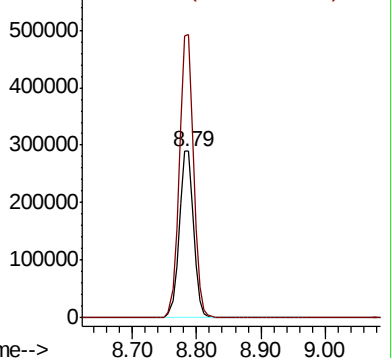
92 100

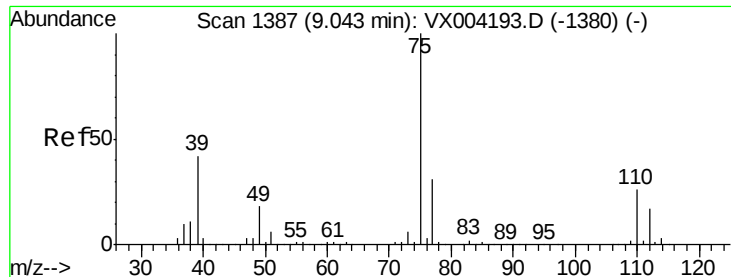
91 169.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





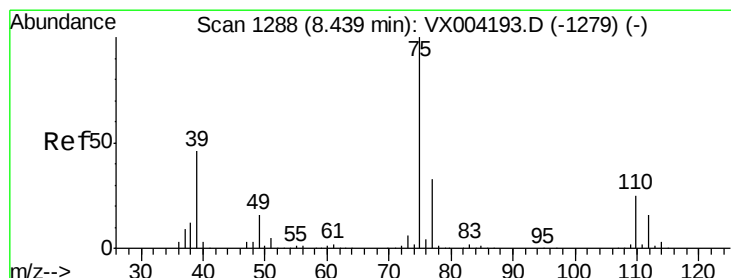
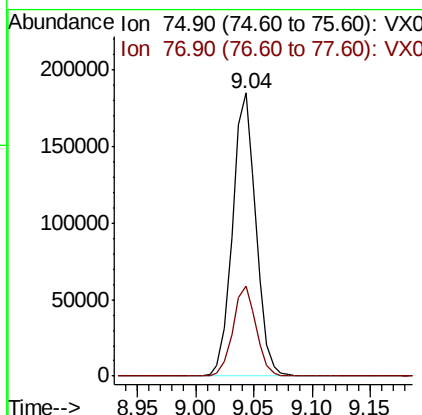
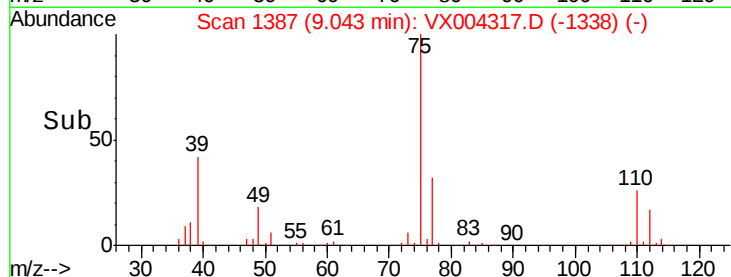
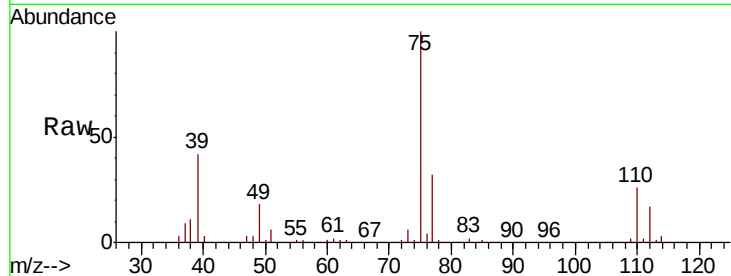
#53
t-1,3-Dichloropropene
Concen: 49.29 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	37.0

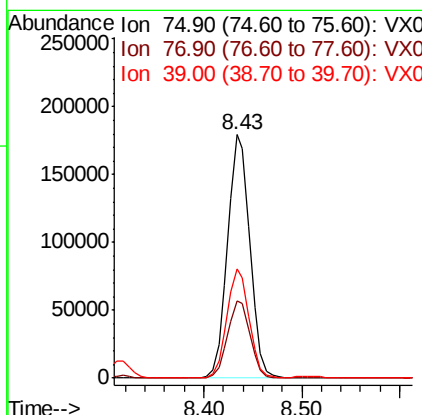
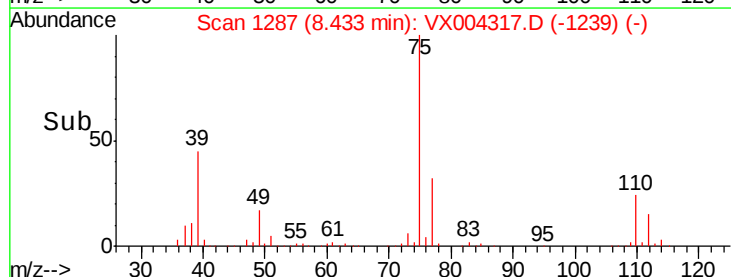
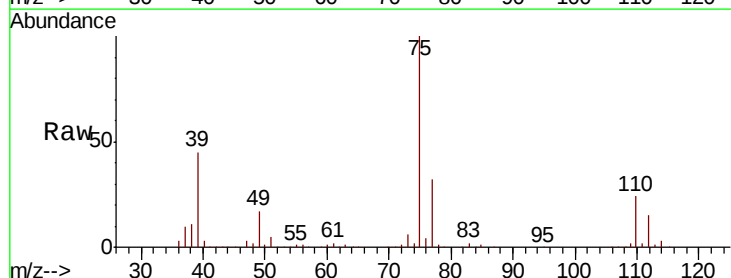
Manual Integrations
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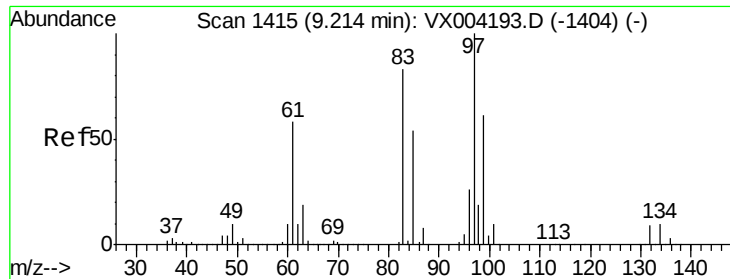
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8/31/2018 4:29:02 PM



#54
cis-1,3-Dichloropropene
Concen: 49.78 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.2
39	44.9	36.4	54.6





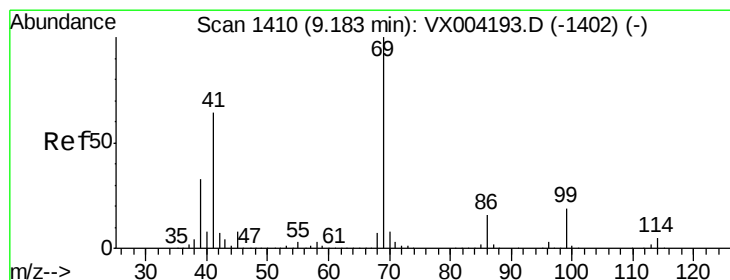
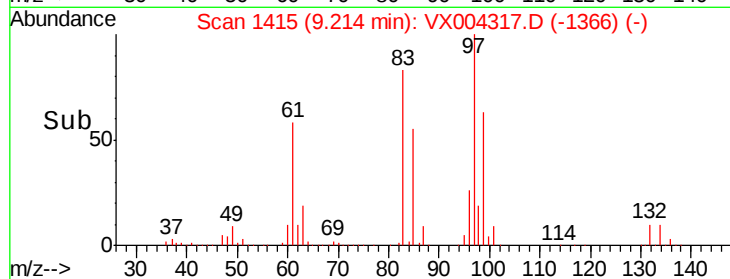
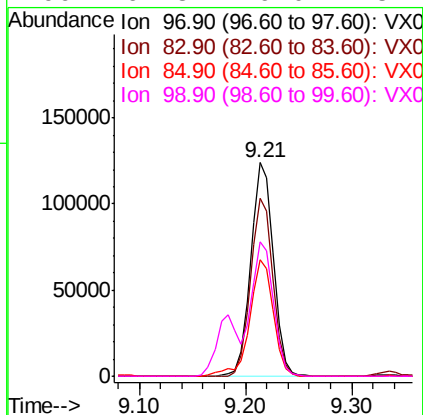
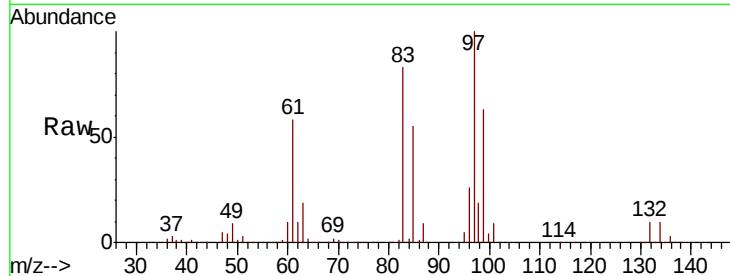
#55
 1,1,2-Trichloroethane
 Concen: 47.83 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	184543
Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.4	99.6
85	54.6	43.3	64.9
99	62.8	49.0	73.4

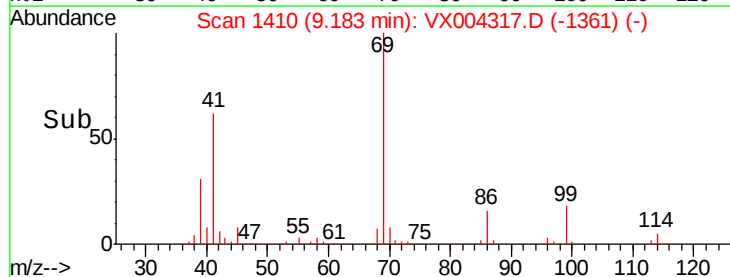
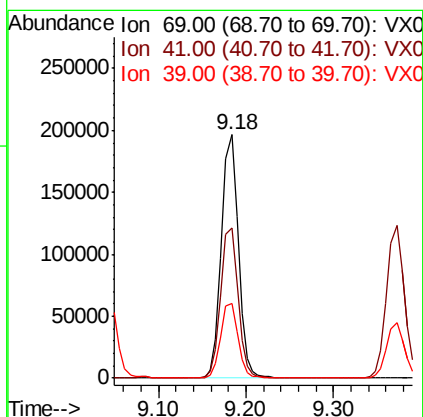
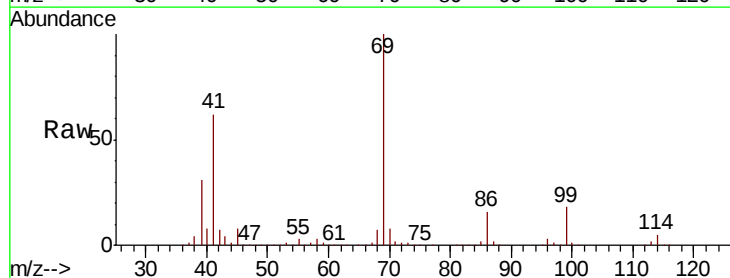
Manual Integrations
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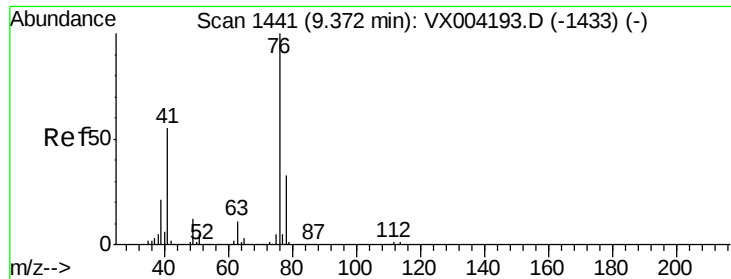
MMDadoda
 8/31/2018 4:29:02 PM



#56
 Ethyl methacrylate
 Concen: 50.25 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion:	69	Resp:	263883
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.0	76.4
39	31.5	26.1	39.1





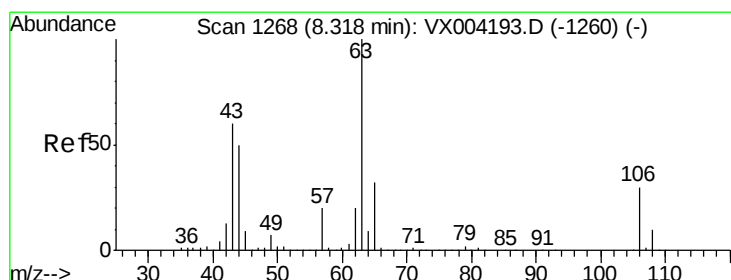
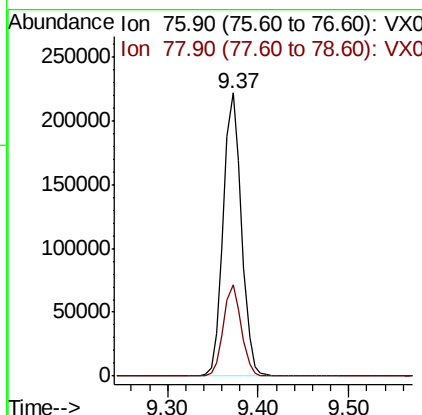
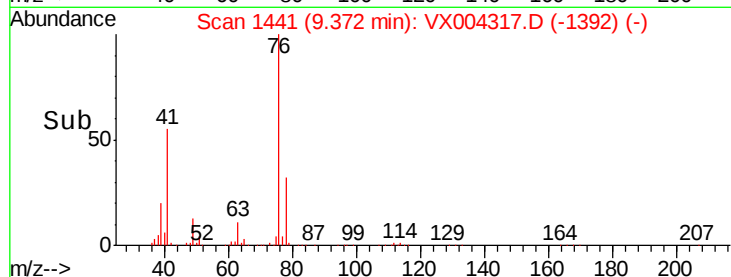
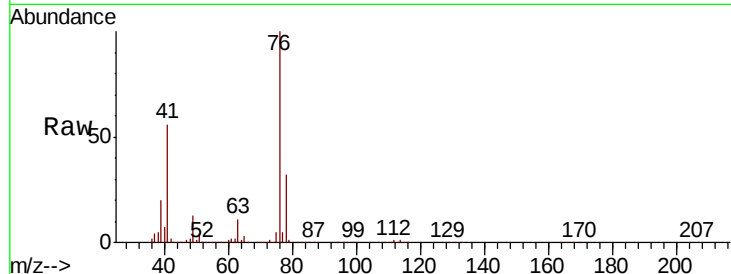
#57
 1,3-Dichloropropane
 Concen: 47.65 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 309874
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

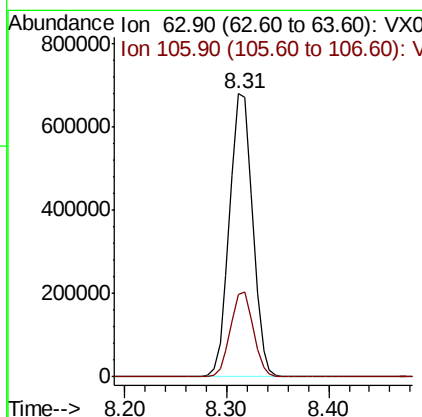
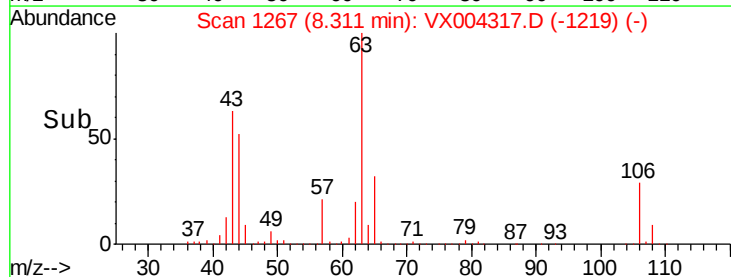
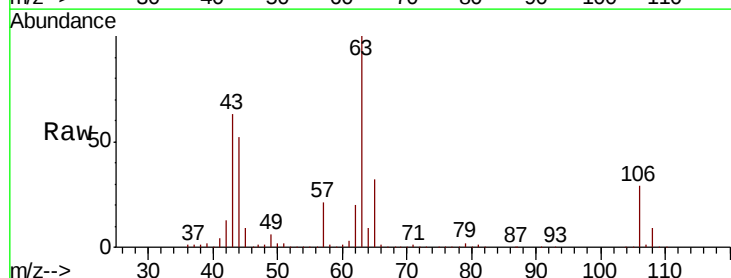
Manual Integrations
 APPROVED

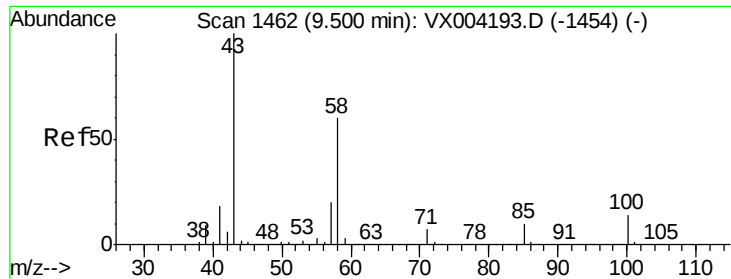
MMDadoda
 8/31/2018 4:29:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 394.73 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 63 Resp: 1062184
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.9 35.9





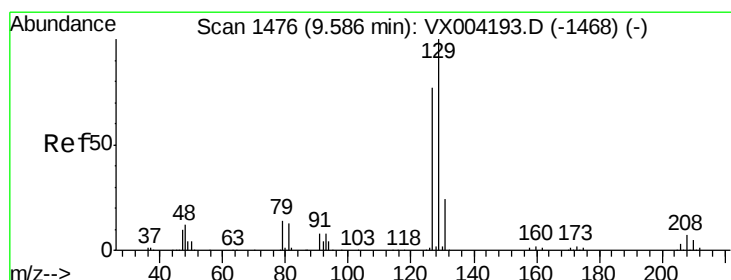
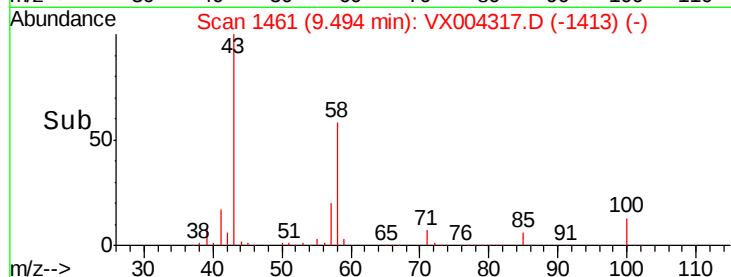
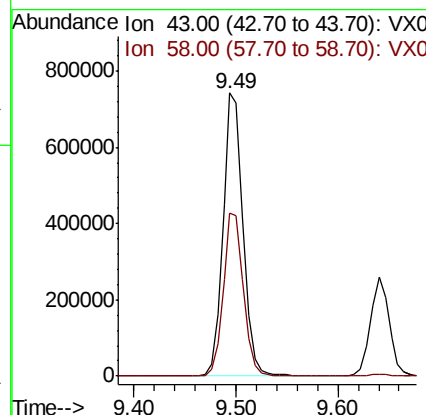
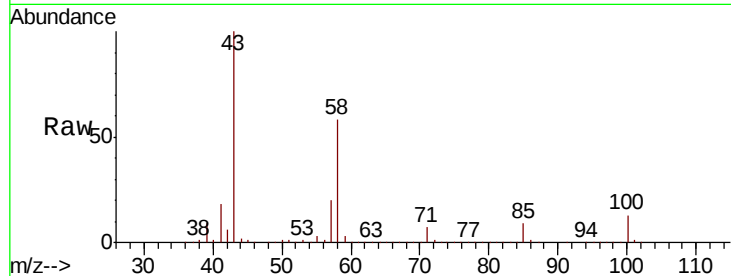
#59
2-Hexanone
Concen: 237.46 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1016348
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0

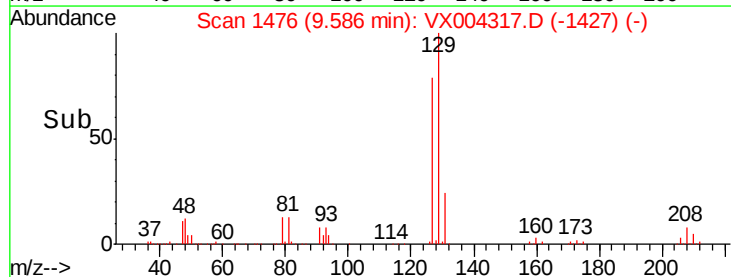
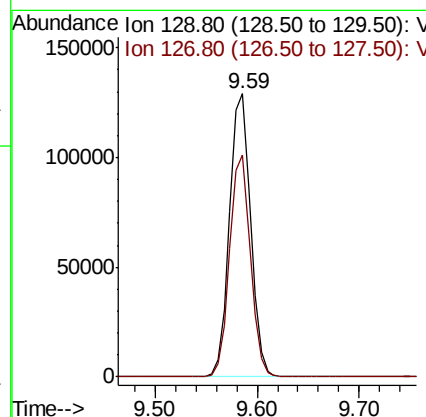
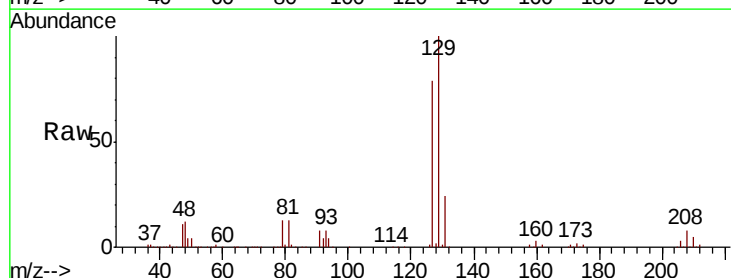
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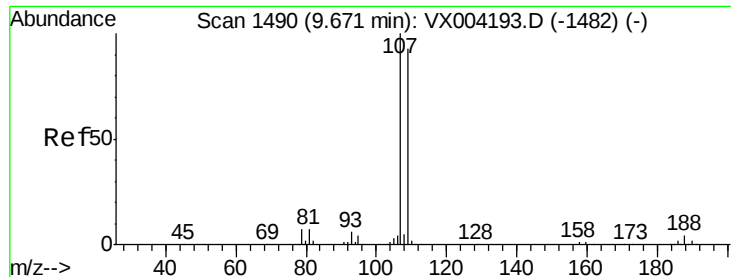
MMDadoda
8/31/2018 4:29:02 PM



#60
Dibromochloromethane
Concen: 49.20 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion: 129 Resp: 184942
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.65 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 190240

Ion Ratio Lower Upper

107 100

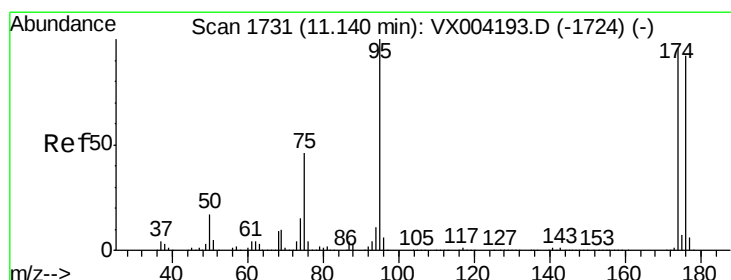
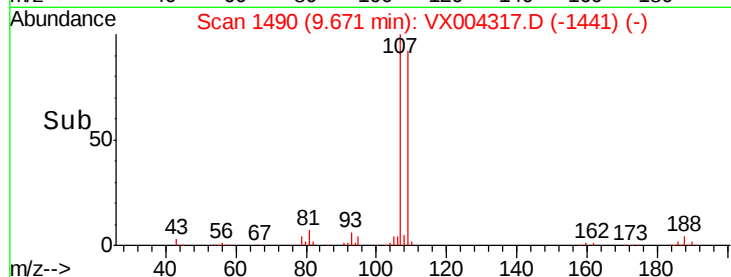
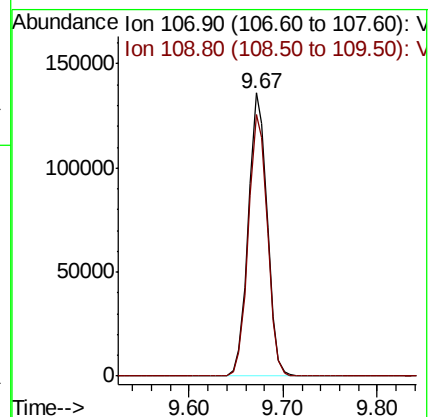
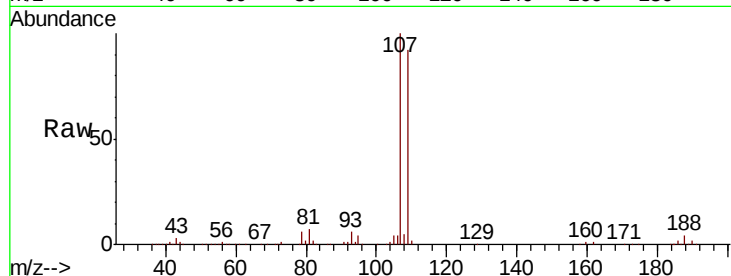
109 93.4 76.0 114.0

Manual Integrations

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MMDadoda

8/31/2018 4:29:02 PM



#62

4-Bromofluorobenzene

Concen: 54.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

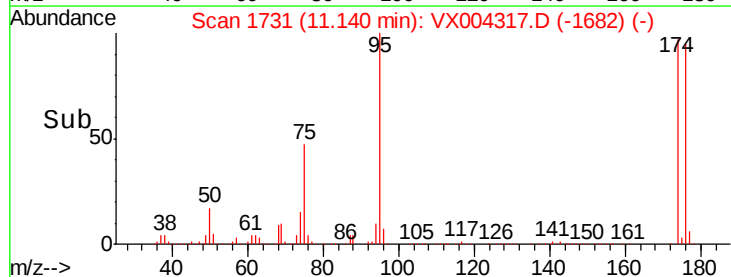
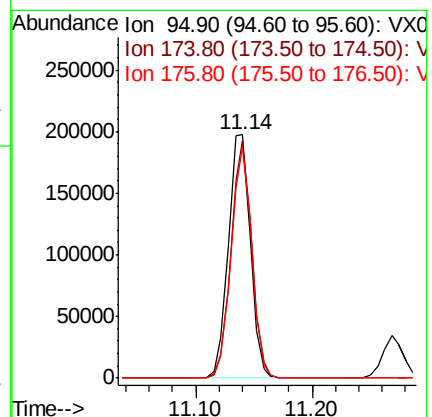
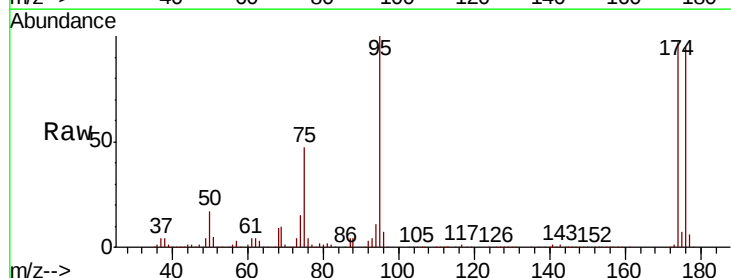
Tgt Ion: 95 Resp: 258444

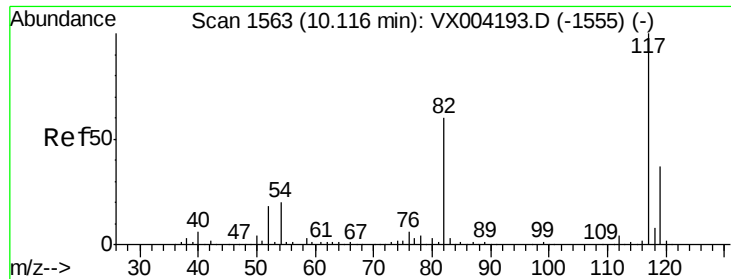
Ion Ratio Lower Upper

95 100

174 91.6 0.0 185.2

176 88.7 0.0 178.6





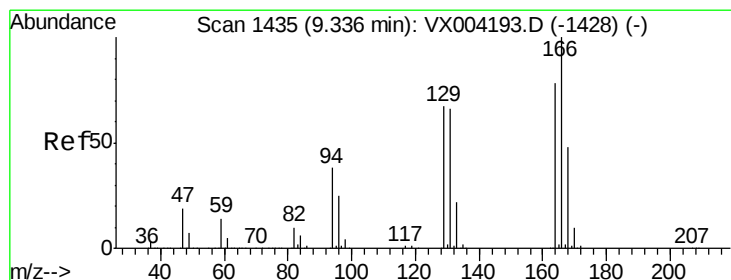
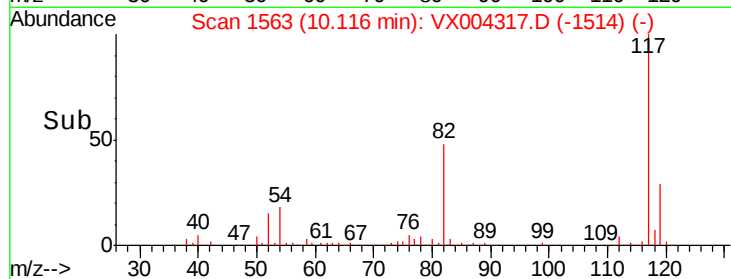
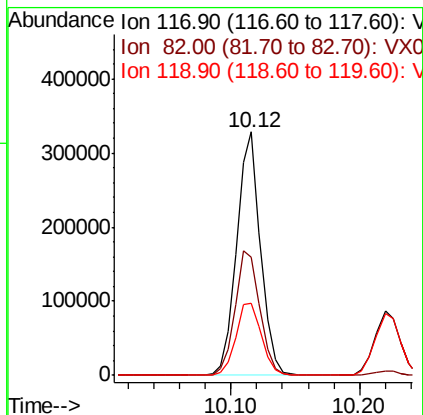
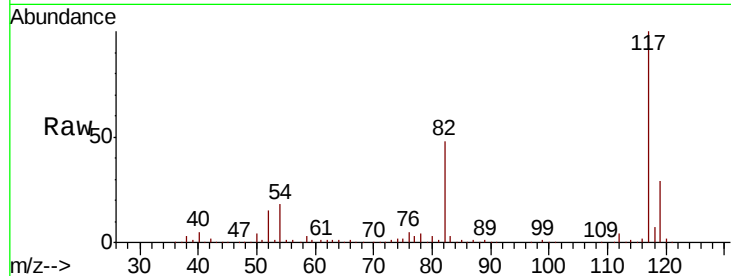
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.3	47.8	71.6
119	29.4	29.3	43.9

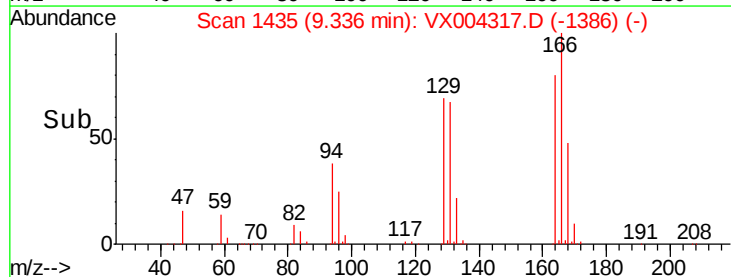
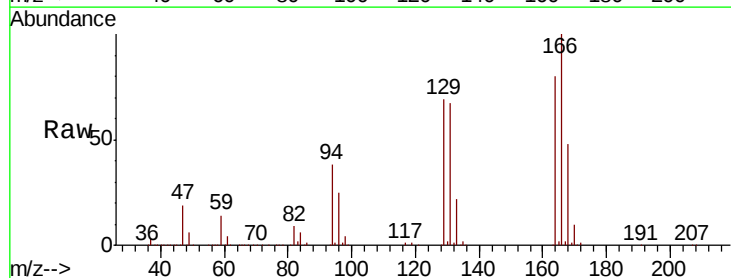
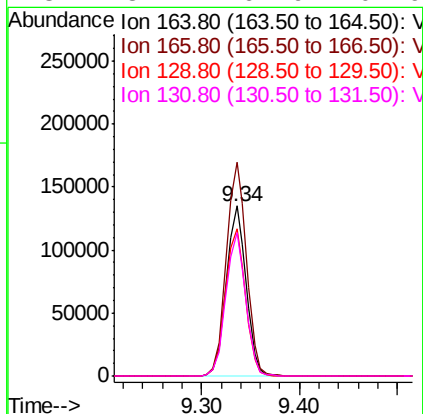
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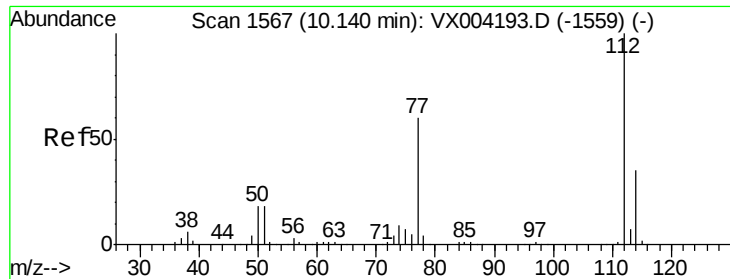
MMDadoda
8/31/2018 4:29:02 PM



#64
Tetrachloroethene
Concen: 45.62 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.8	154.2
129	86.4	69.4	104.0
131	84.2	67.9	101.9





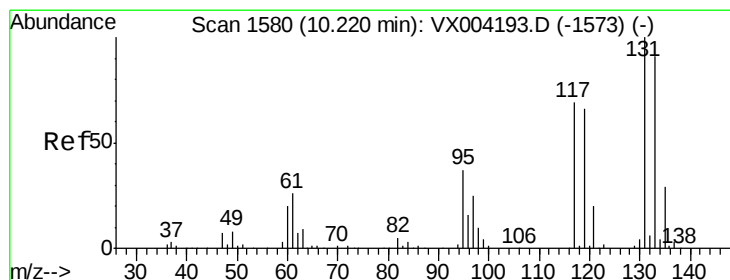
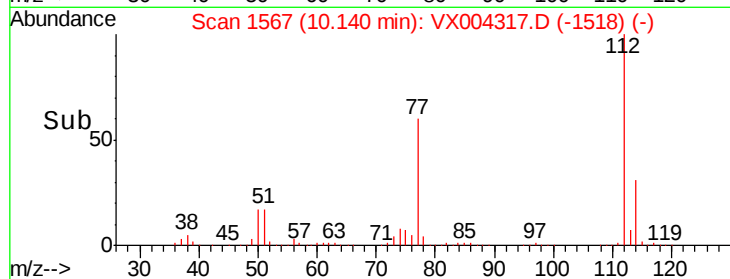
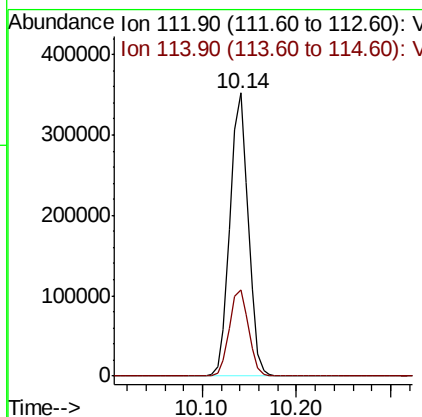
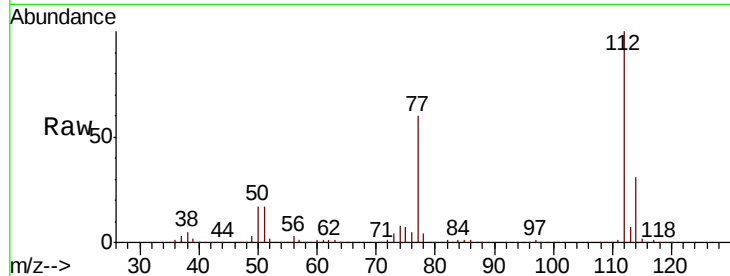
#65
Chlorobenzene
Concen: 45.22 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 476623
Ion Ratio Lower Upper
112 100
114 30.6 27.8 41.8

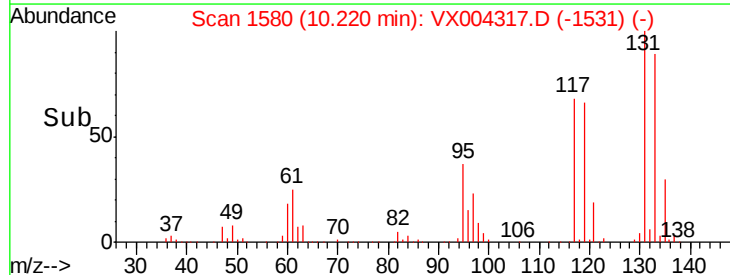
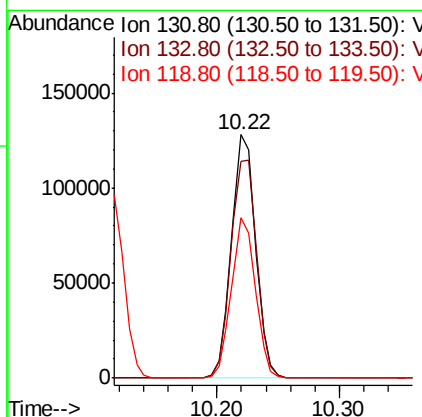
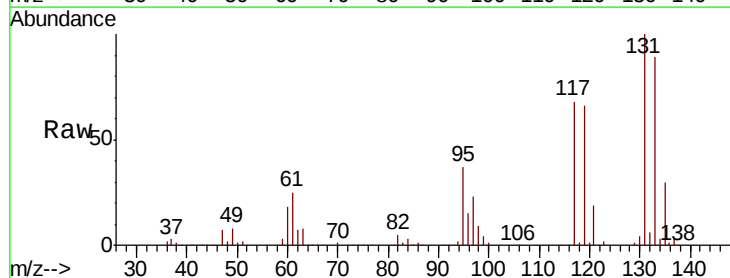
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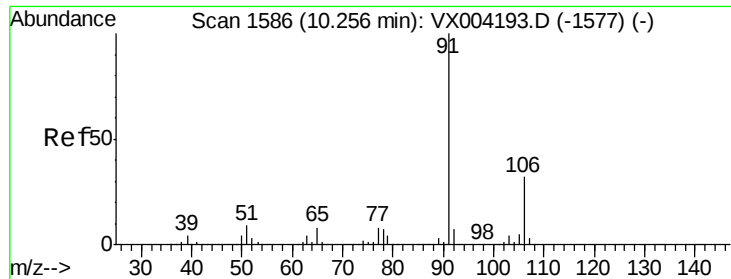
MMDadoda
8/31/2018 4:29:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.99 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion:131 Resp: 174454
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 65.4 32.9 98.6





#67

Ethyl Benzene

Concen: 49.13 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 840987

Ion Ratio Lower Upper

91 100

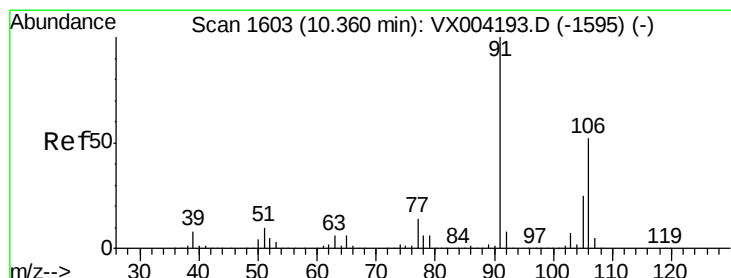
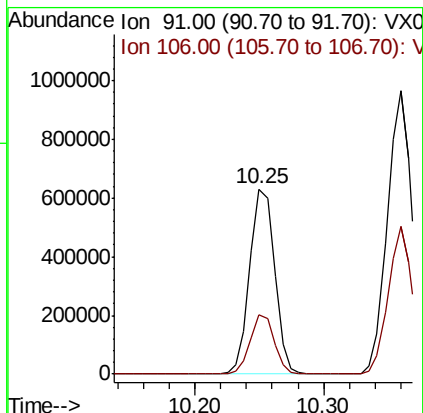
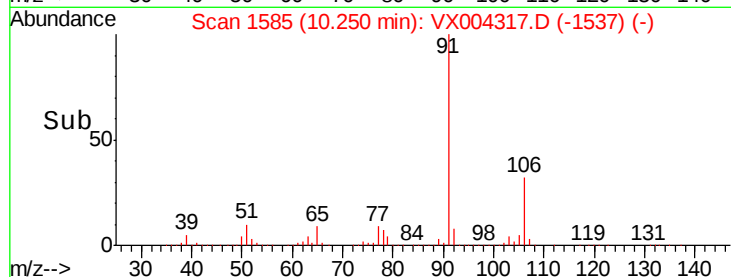
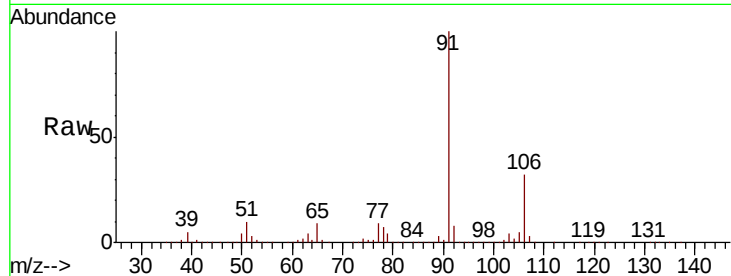
106 31.8 25.9 38.9

Manual Integrations

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MMDadoda

8/31/2018 4:29:02 PM



#68

m/p-Xylenes

Concen: 97.91 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004317.D

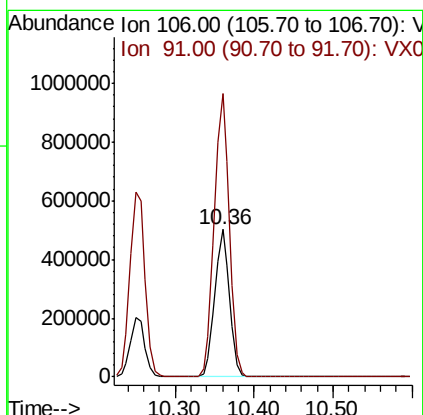
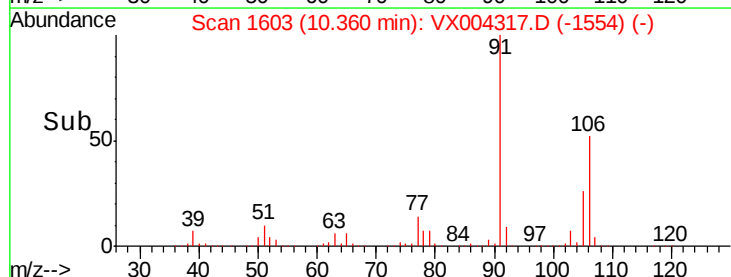
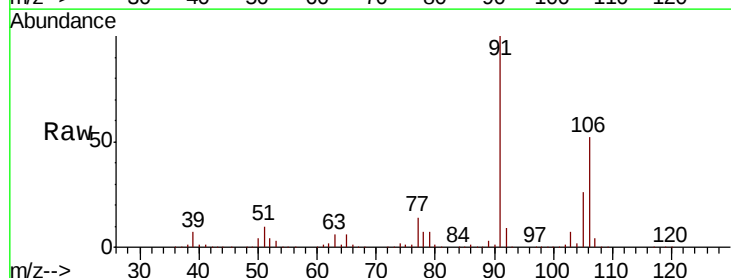
Acq: 30 Aug 2018 12:00

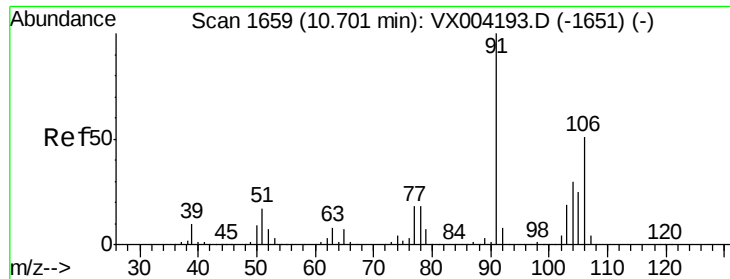
Tgt Ion: 106 Resp: 655363

Ion Ratio Lower Upper

106 100

91 196.7 157.1 235.7





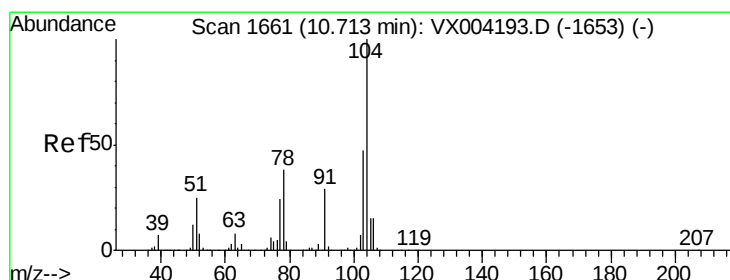
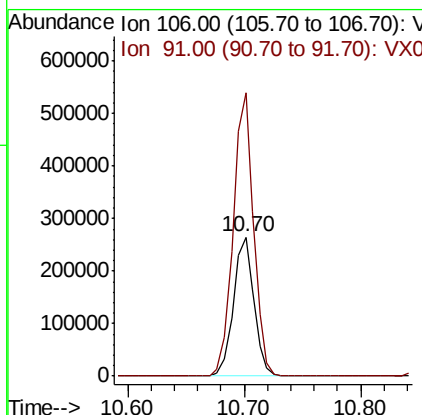
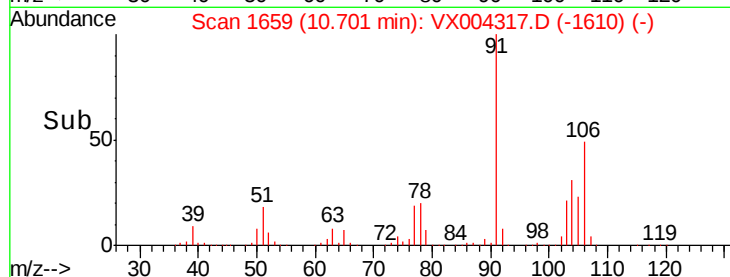
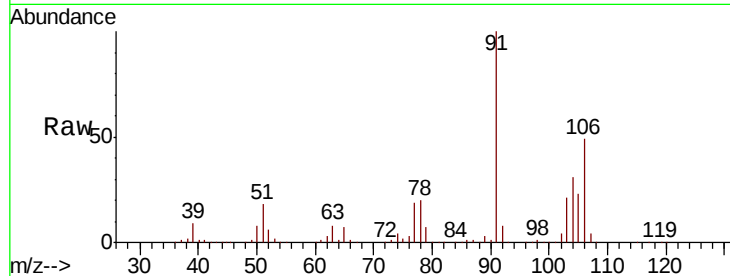
#69
o-Xylene
Concen: 51.26 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 324529
Ion Ratio Lower Upper
106 100
91 202.6 105.1 315.1

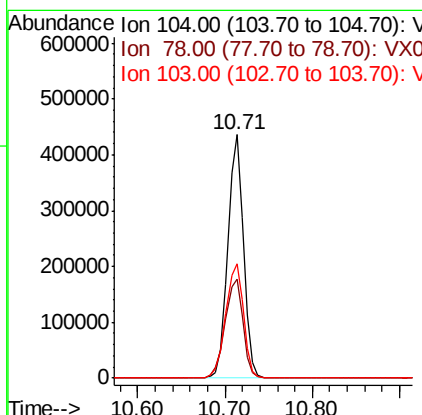
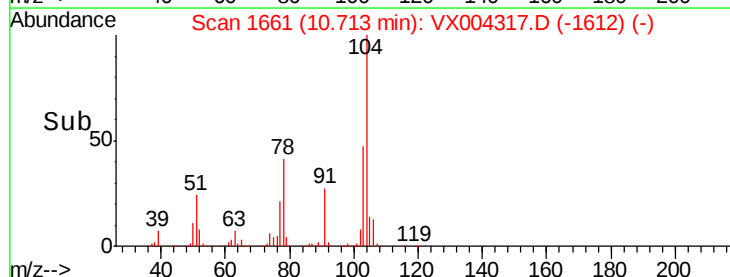
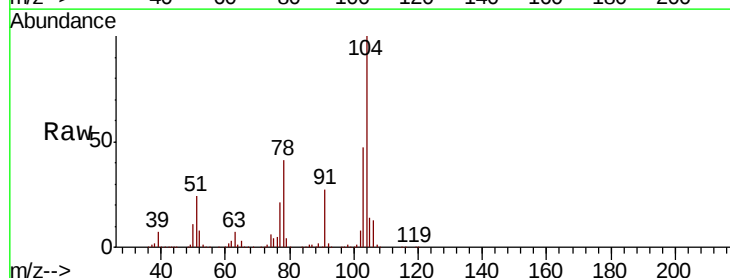
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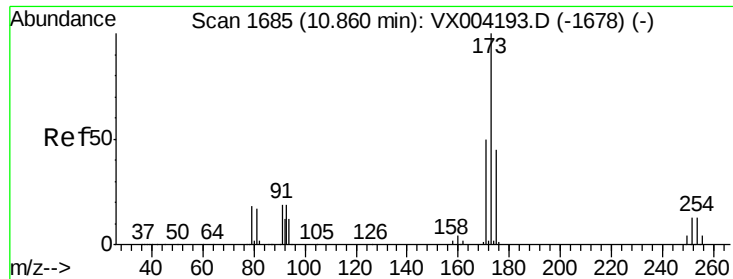
MMDadoda
8/31/2018 4:29:02 PM



#70
Styrene
Concen: 52.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion:104 Resp: 540986
Ion Ratio Lower Upper
104 100
78 46.8 37.4 56.0
103 53.6 43.8 65.6





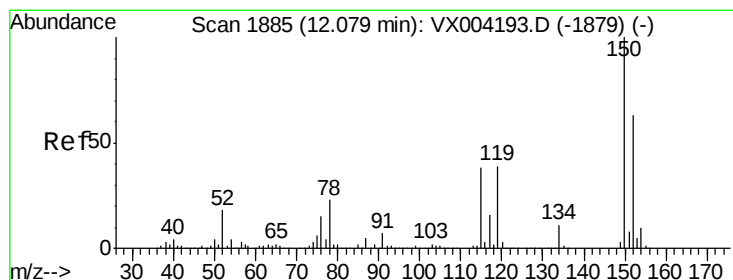
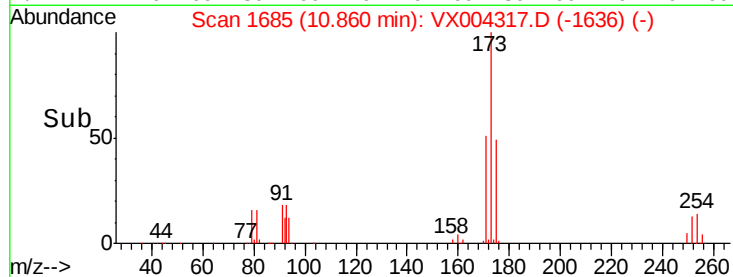
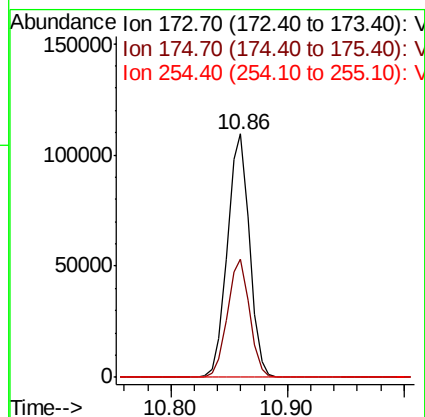
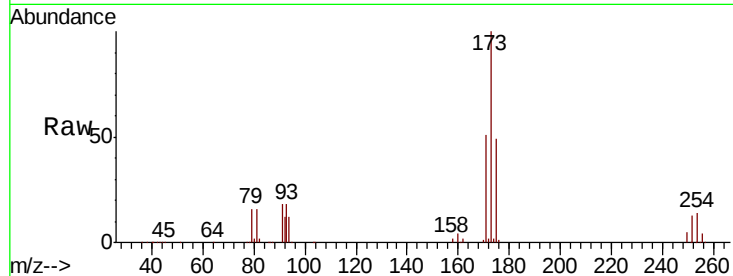
#71
Bromoform
Concen: 49.01 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.2	0.2	0.2

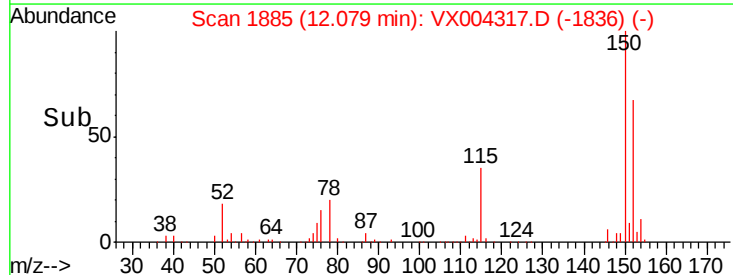
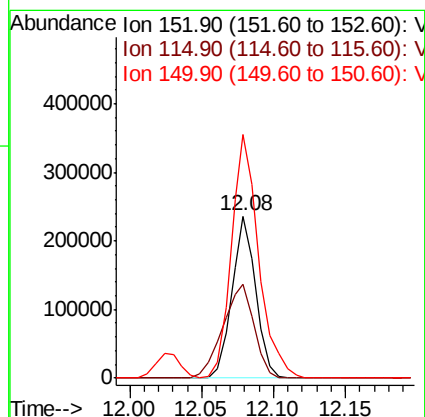
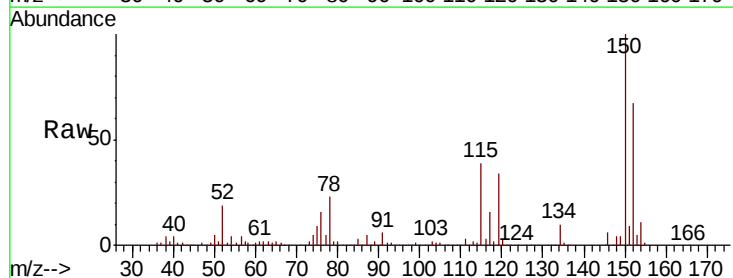
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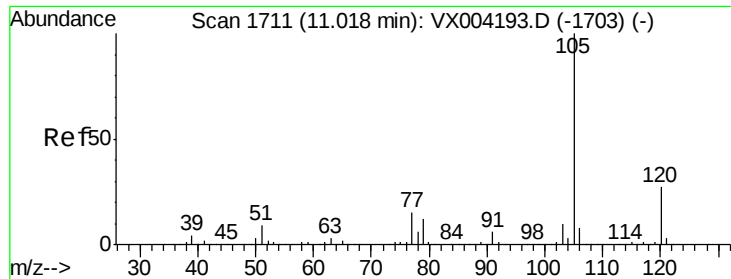
MMDadoda
8/31/2018 4:29:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.6	39.0	117.0
150	172.3	0.0	351.0





#73

Isopropylbenzene

Concen: 49.45 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 886281

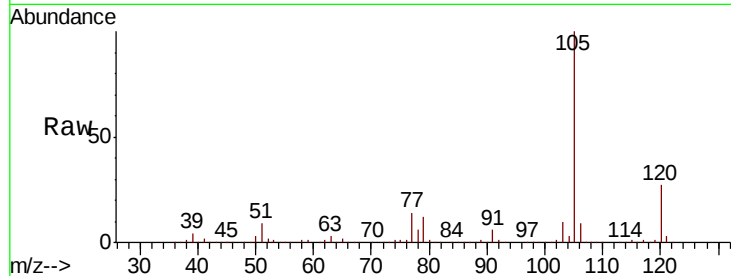
Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4

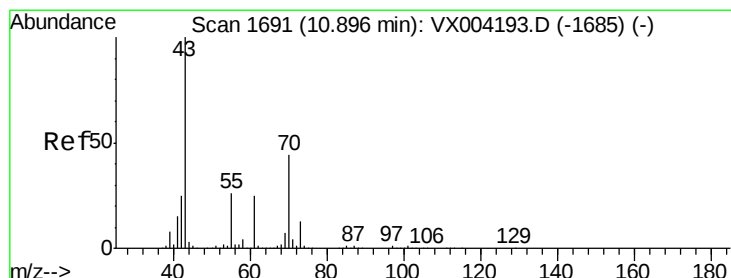
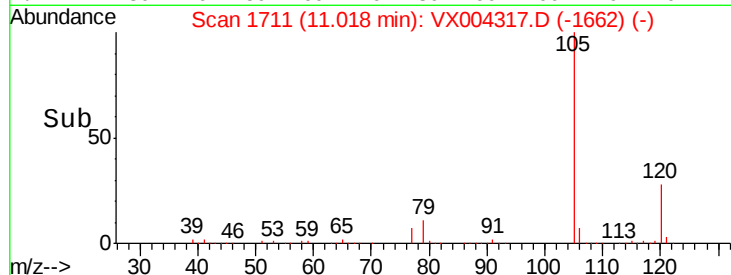
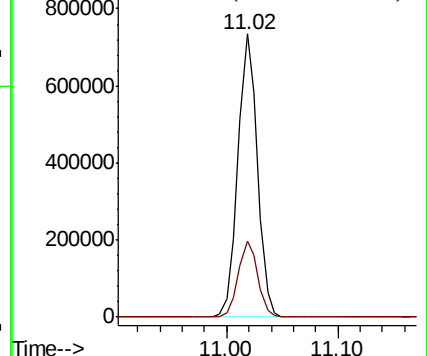
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.17 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion: 43 Resp: 325460

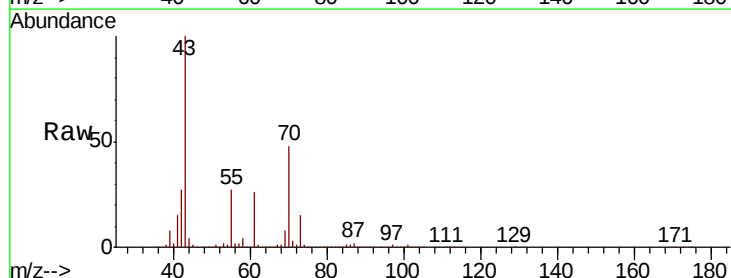
Ion Ratio Lower Upper

43 100

70 47.0 37.4 56.0

55 27.8 21.8 32.8

61 25.3 20.6 30.8

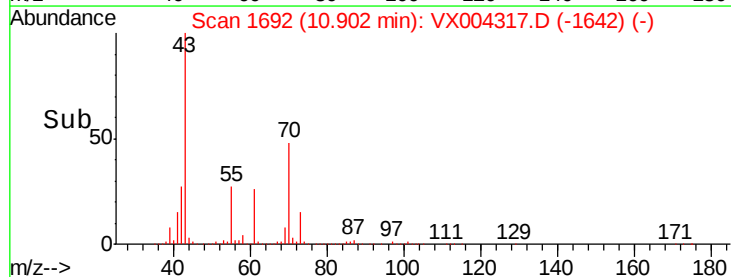
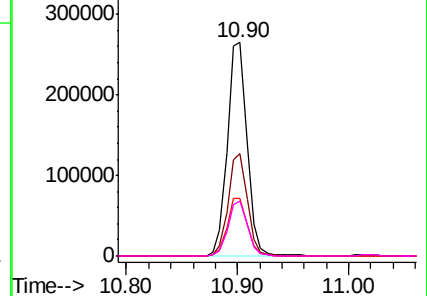


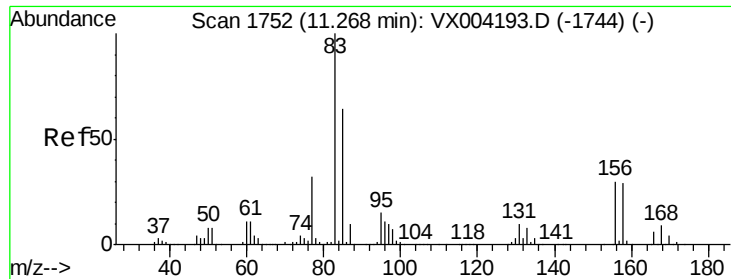
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.31 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 284180

Ion Ratio Lower Upper

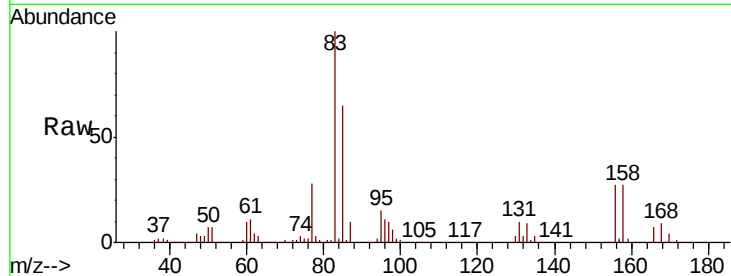
83 100

131 10.4 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations
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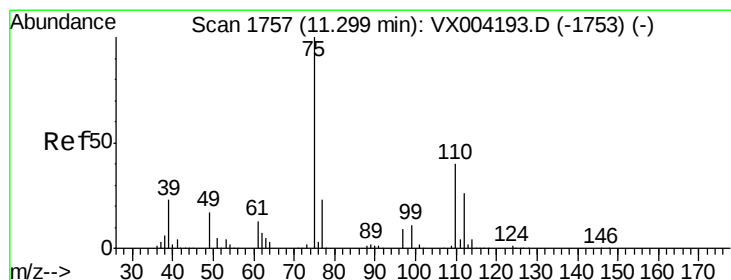
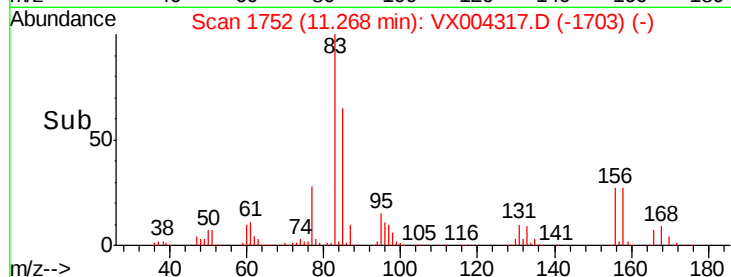
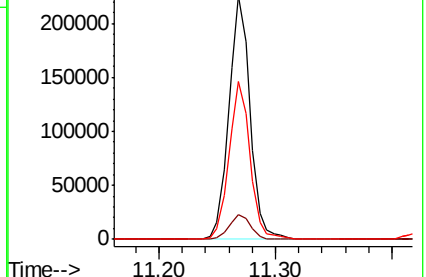
MMDadoda
8/31/2018 4:29:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.86 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004317.D

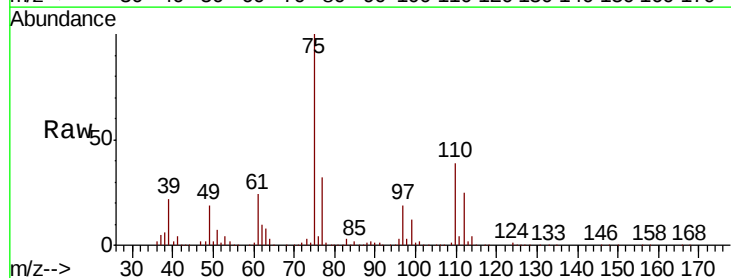
Acq: 30 Aug 2018 12:00

Tgt Ion: 75 Resp: 260030

Ion Ratio Lower Upper

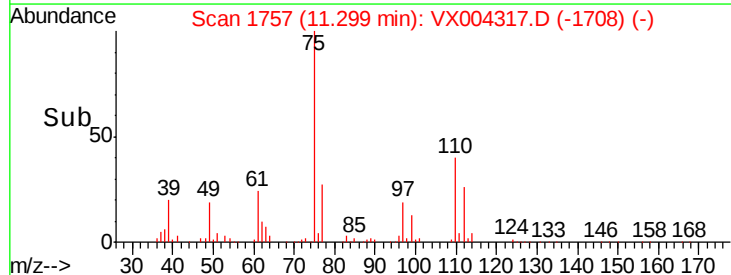
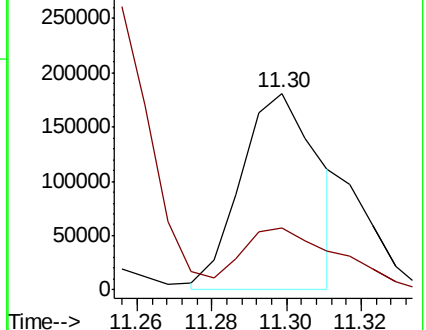
75 100

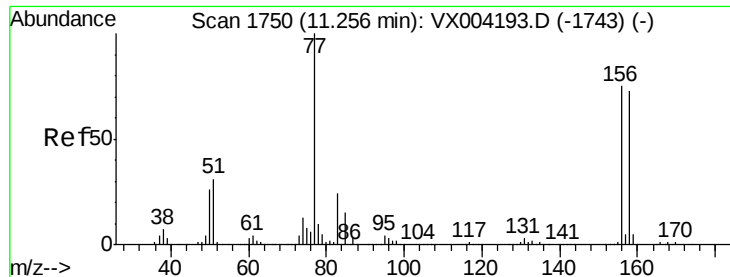
77 39.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 229628

Ion Ratio Lower Upper

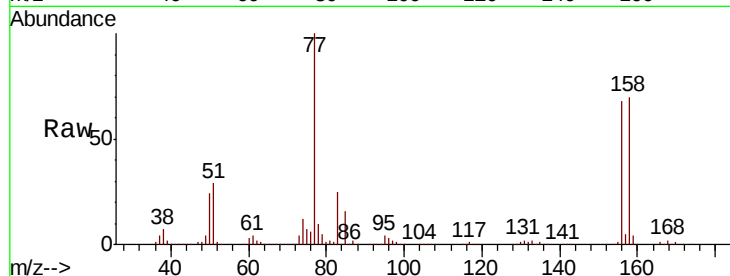
156 100

77 147.3 71.5 214.3

158 97.7 48.9 146.8

Manual Integrations
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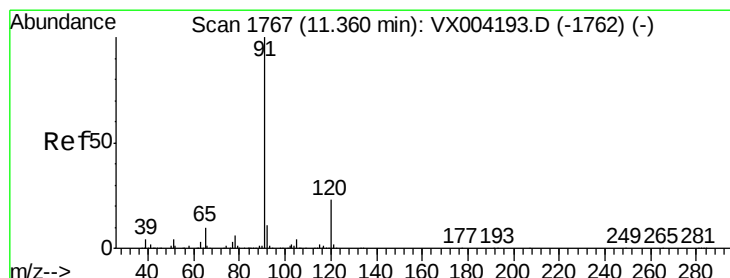
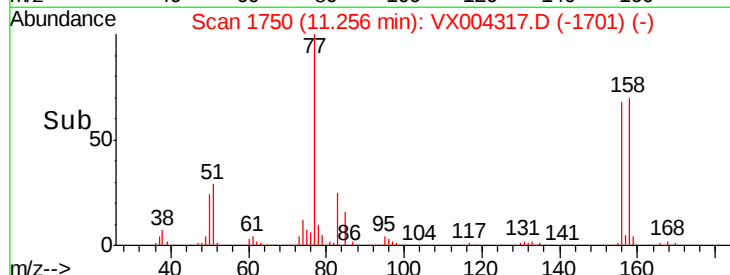
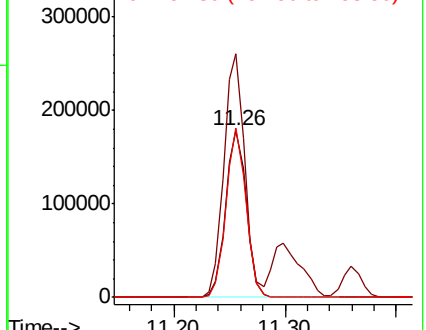
MMDadoda
8/31/2018 4:29:02 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.52 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004317.D

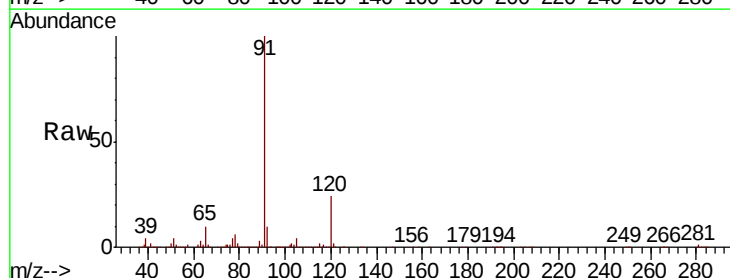
Acq: 30 Aug 2018 12:00

Tgt Ion: 91 Resp: 1020742

Ion Ratio Lower Upper

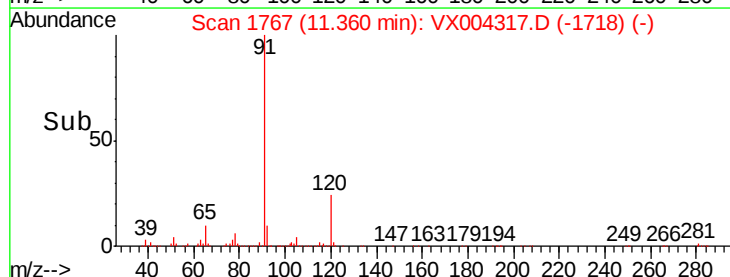
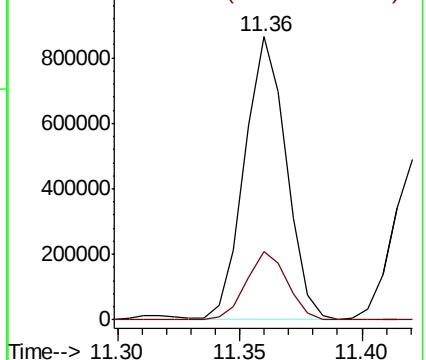
91 100

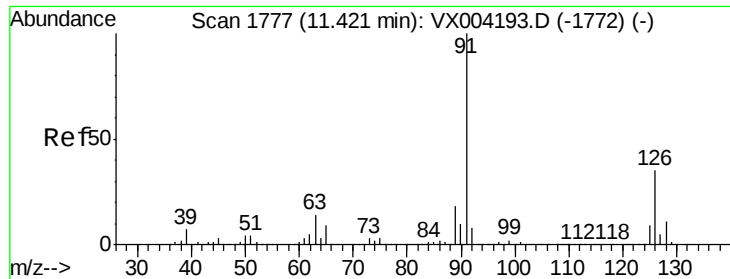
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





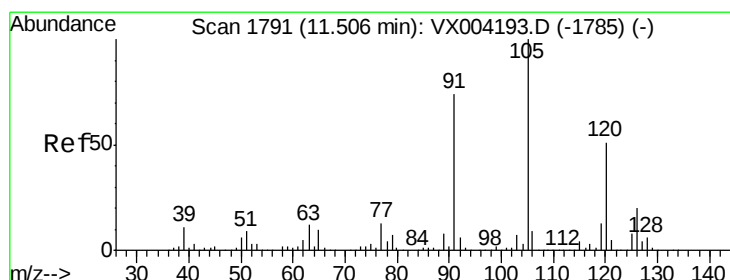
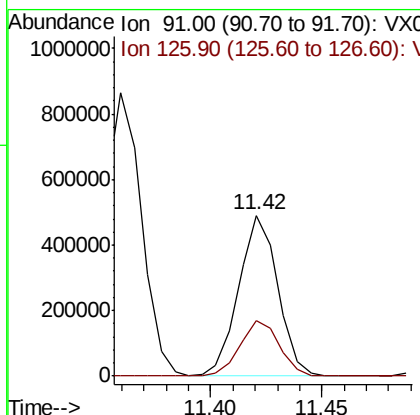
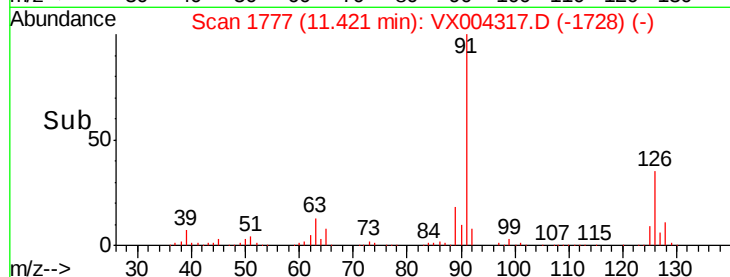
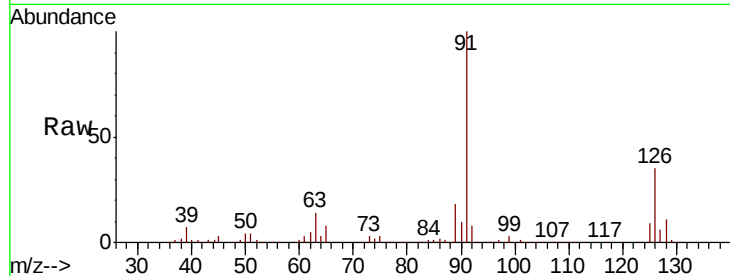
#79
 2-Chlorotoluene
 Concen: 47.22 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 599054
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.9 53.7

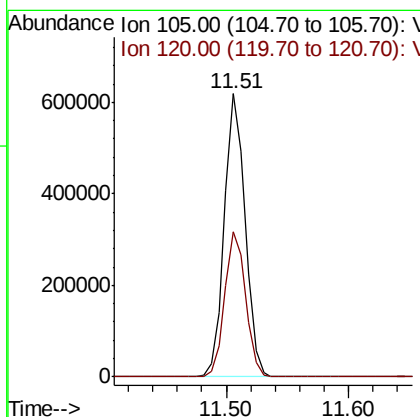
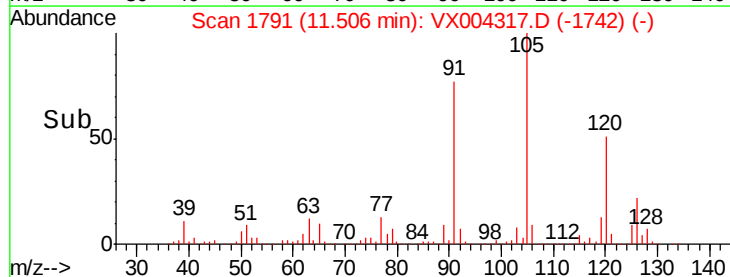
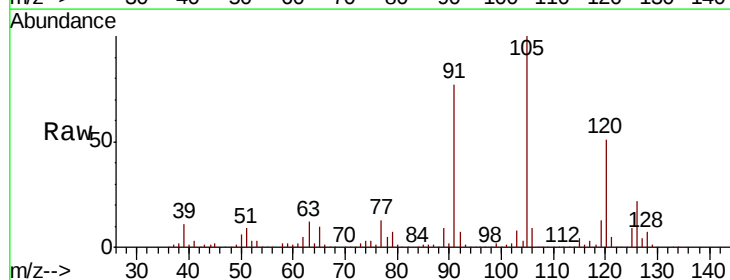
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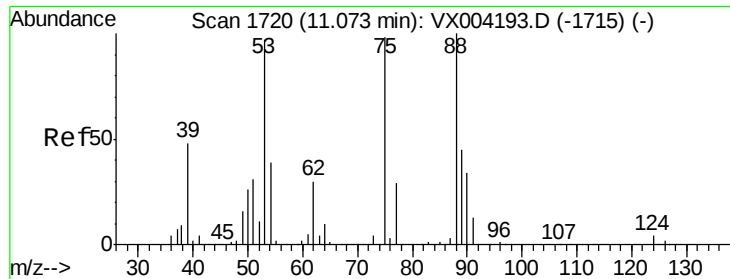
MMDadoda
 8/31/2018 4:29:02 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.90 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion: 105 Resp: 725696
 Ion Ratio Lower Upper
 105 100
 120 51.4 25.6 76.8





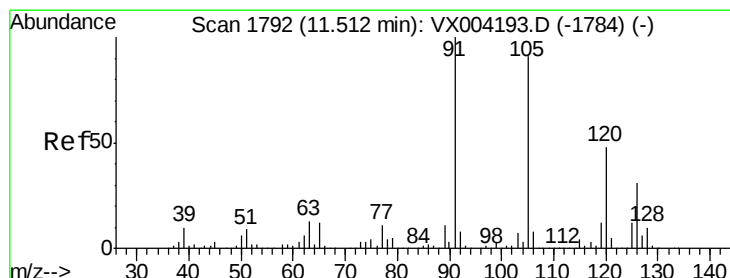
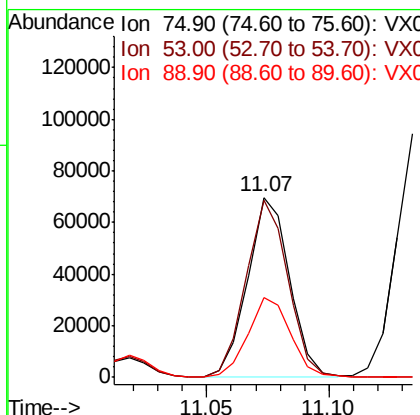
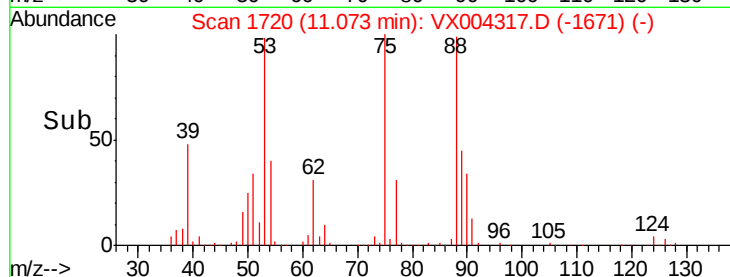
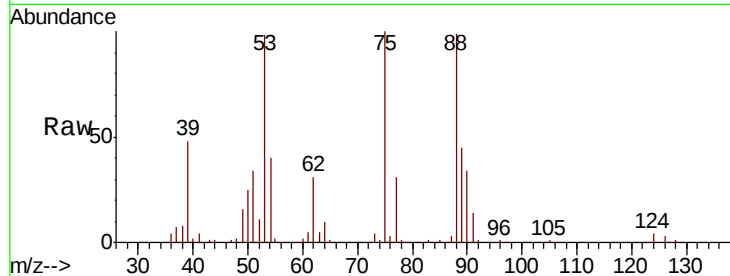
#81
trans-1,4-Dichloro-2-butene
Concen: 48.70 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.2	80.1	120.1
89	45.5	37.2	55.8

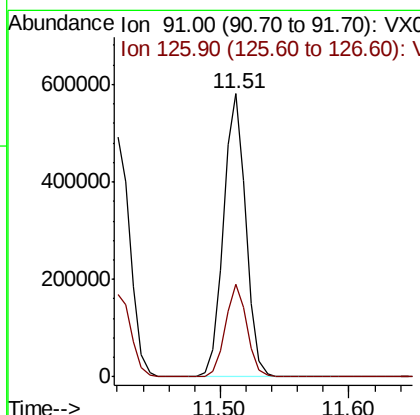
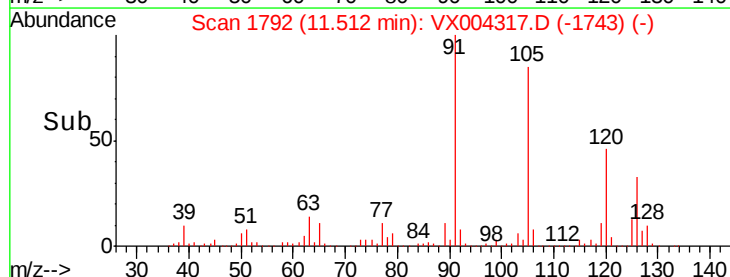
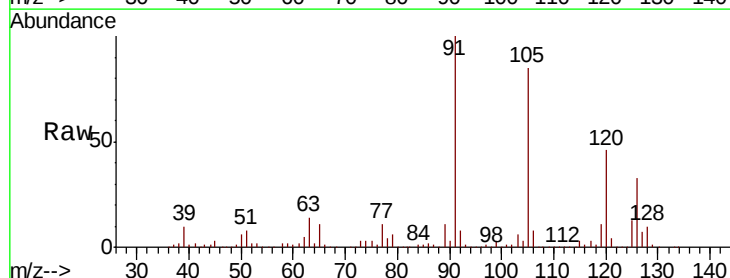
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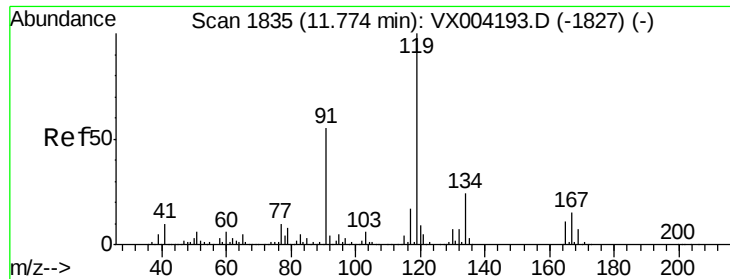
MMDadoda
8/31/2018 4:29:02 PM



#82
4-Chlorotoluene
Concen: 47.56 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.5	46.5





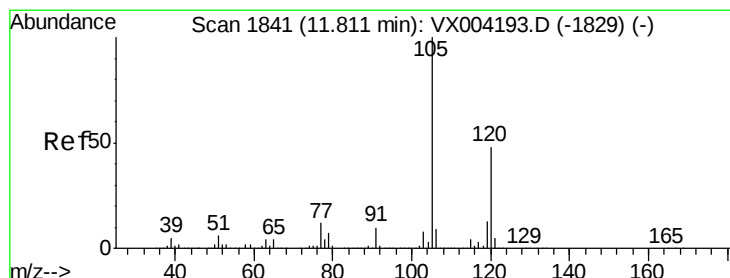
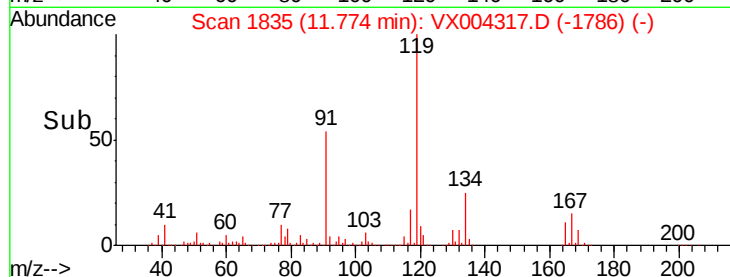
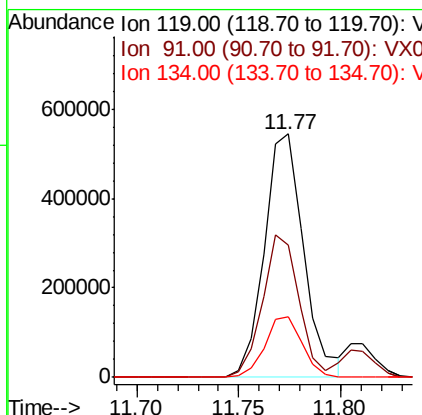
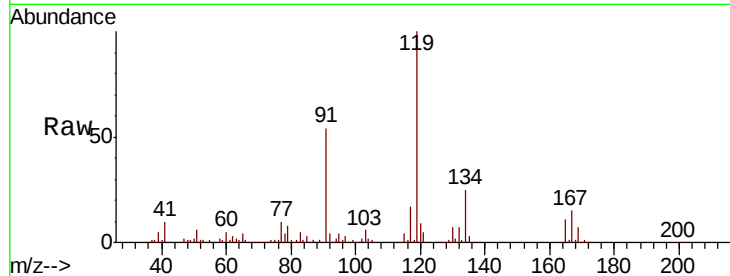
#83
 tert-Butylbenzene
 Concen: 49.12 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.3	27.0	81.0
134	23.8	11.7	35.1

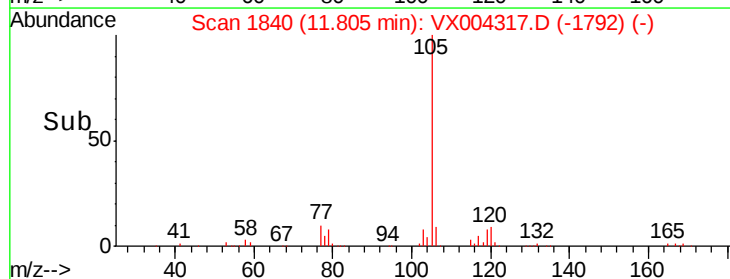
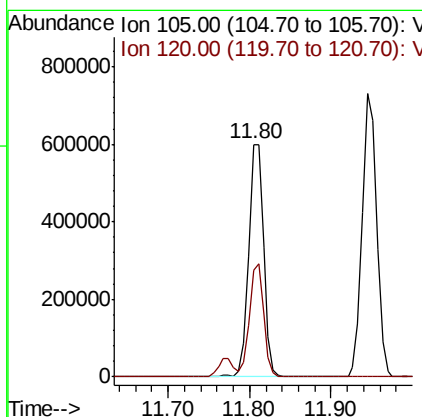
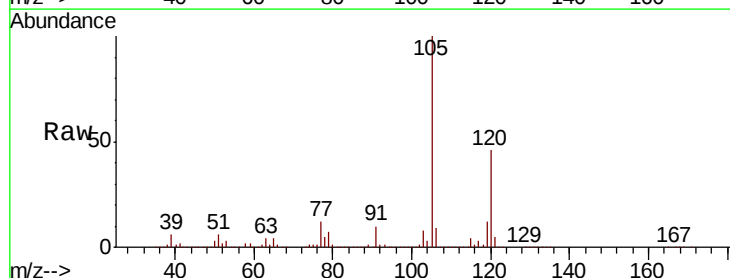
Manual Integrations
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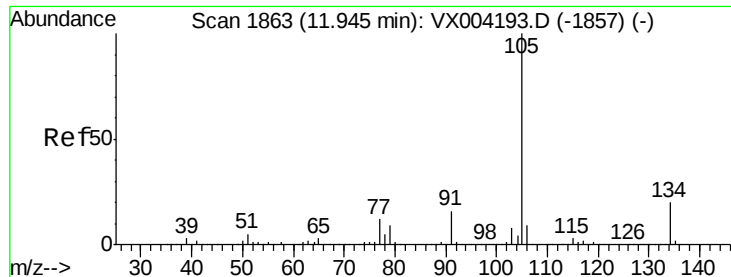
MMDadoda
 8/31/2018 4:29:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.19 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6





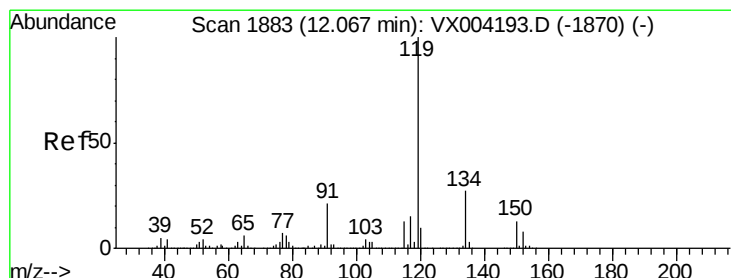
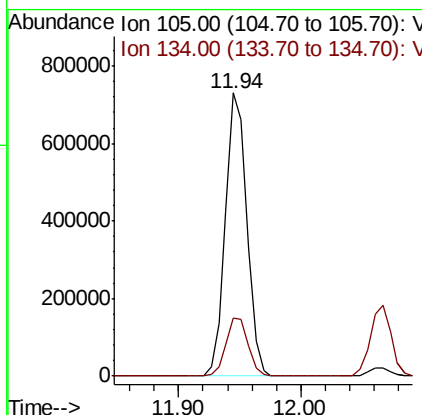
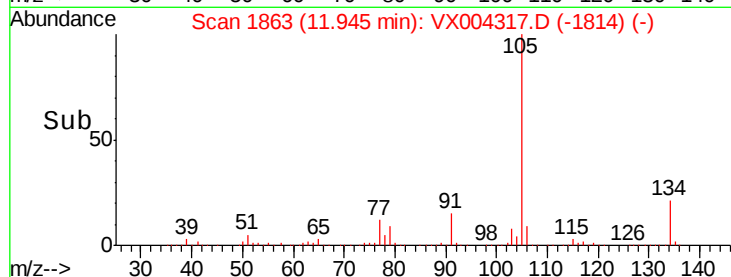
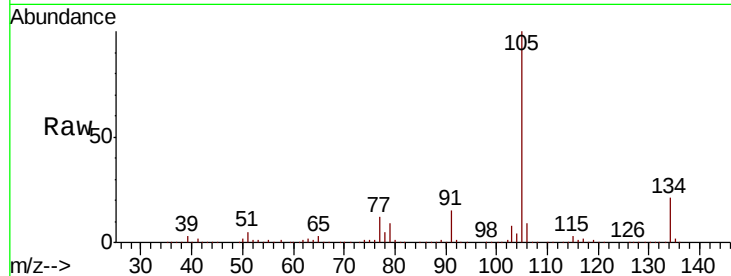
#85
 sec-Butylbenzene
 Concen: 50.00 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

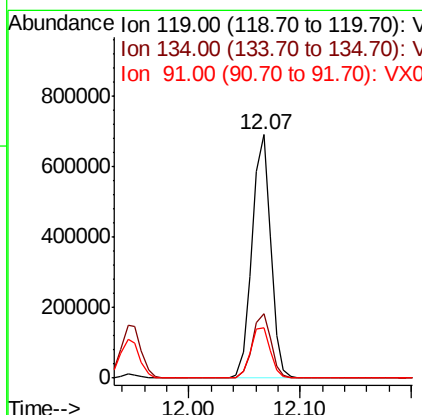
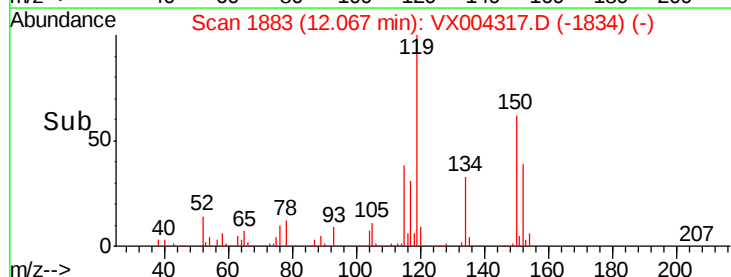
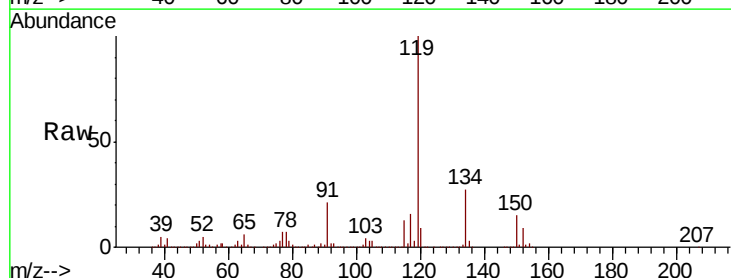
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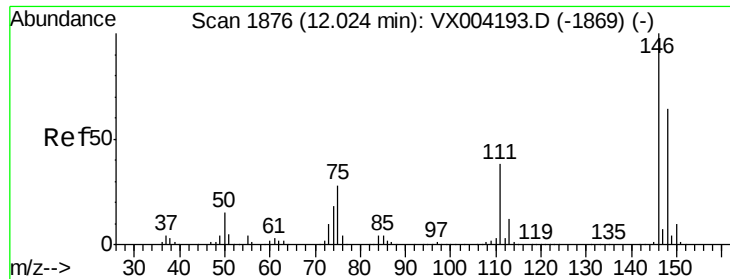
MMDadoda
 8/31/2018 4:29:02 PM



#86
 p-Isopropyltoluene
 Concen: 50.69 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	21.8	10.9	32.7





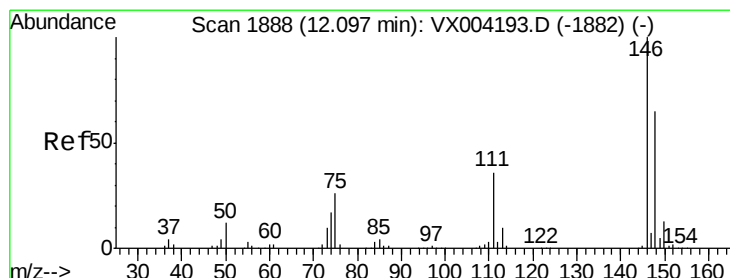
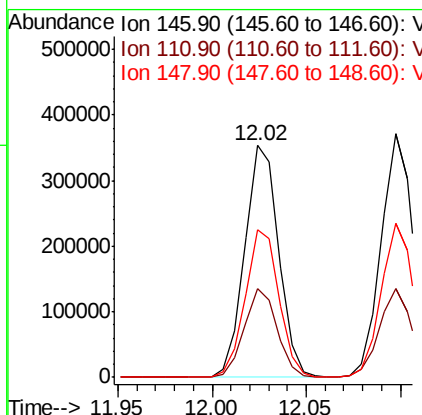
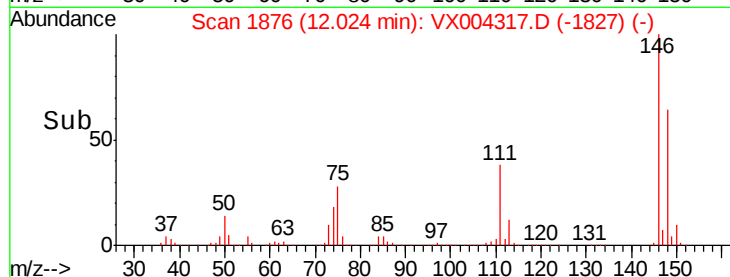
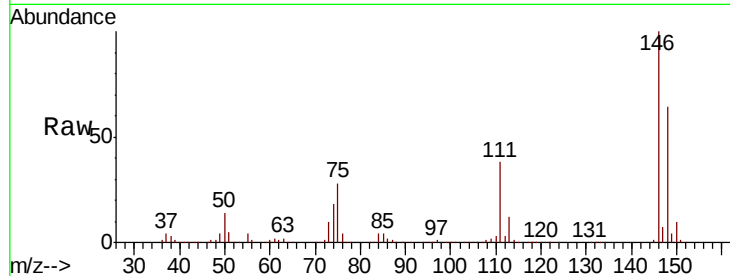
#87
 1,3-Dichlorobenzene
 Concen: 46.70 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.3	32.1	96.5

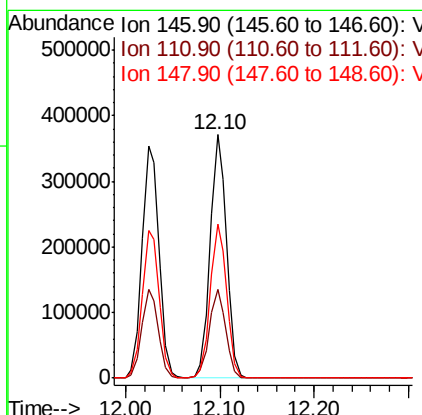
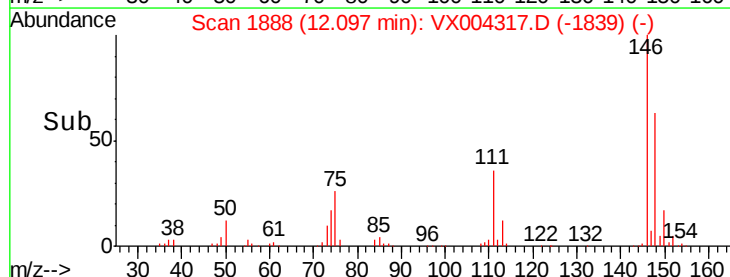
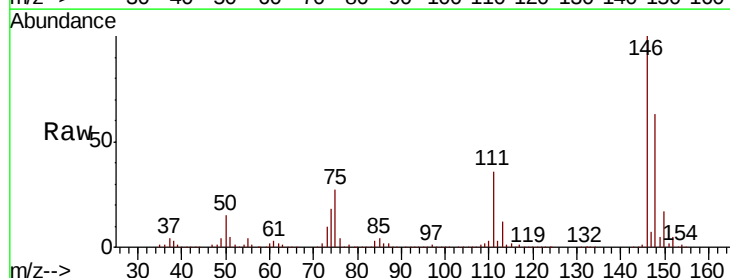
Manual Integrations
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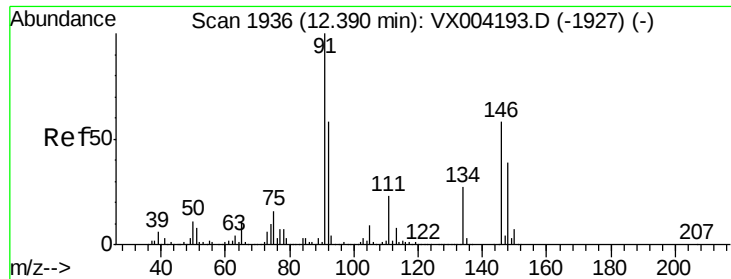
MMDadoda
 8/31/2018 4:29:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.70 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	63.7	32.0	96.0





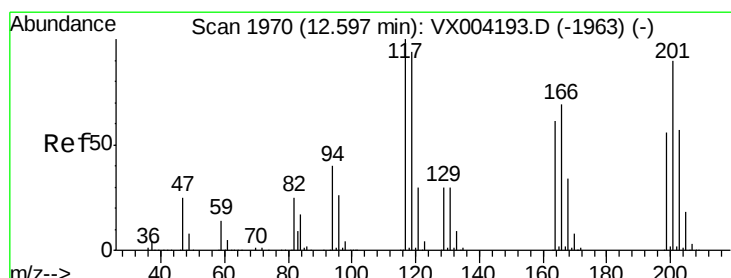
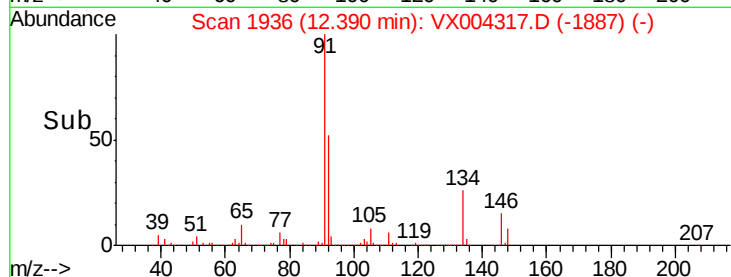
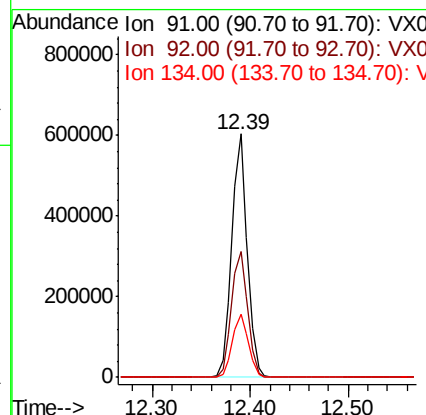
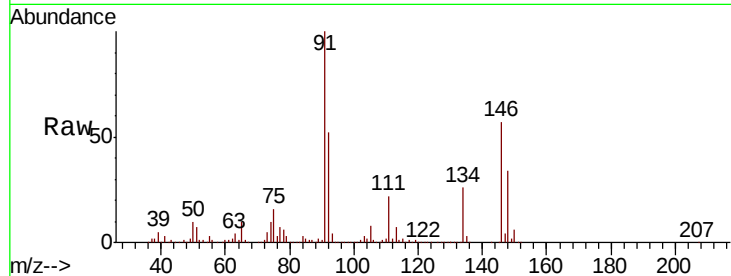
#89
n-Butylbenzene
Concen: 51.38 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.9
134	26.9	13.6	40.7

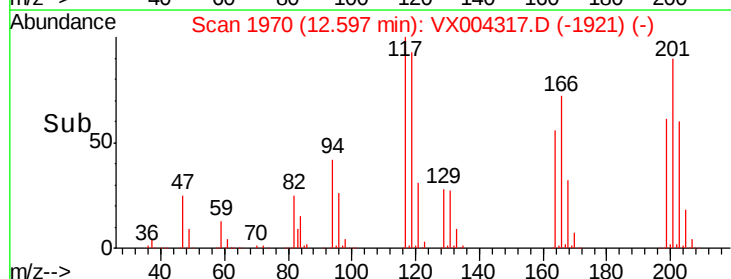
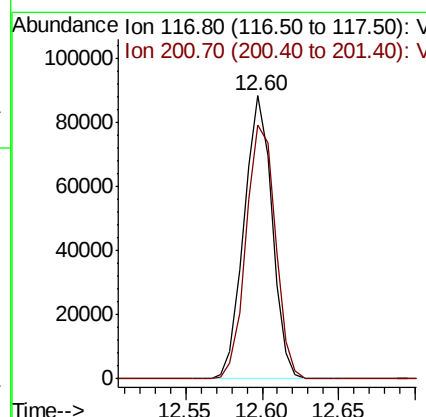
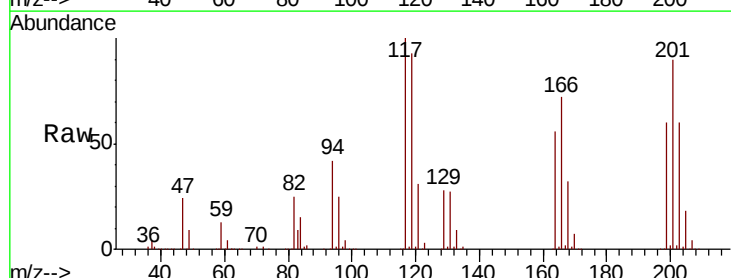
Manual Integrations
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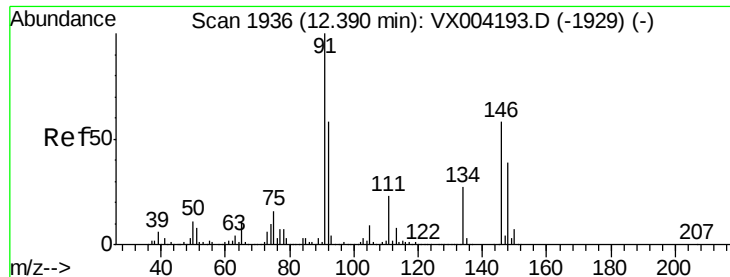
MMDadoda
8/31/2018 4:29:02 PM



#90
Hexachloroethane
Concen: 50.76 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004317.D
Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.9	140.6





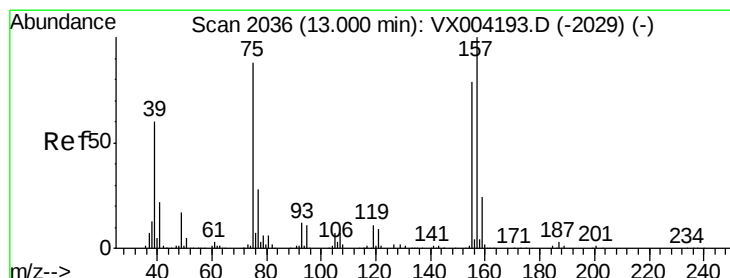
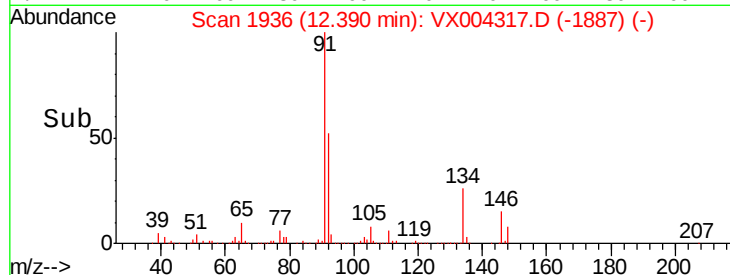
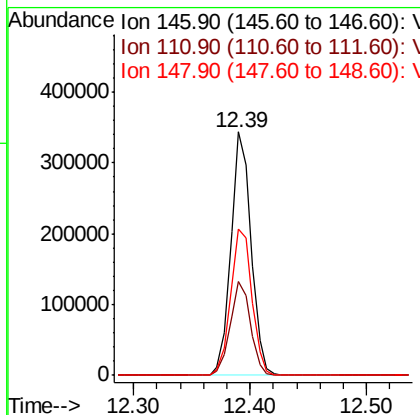
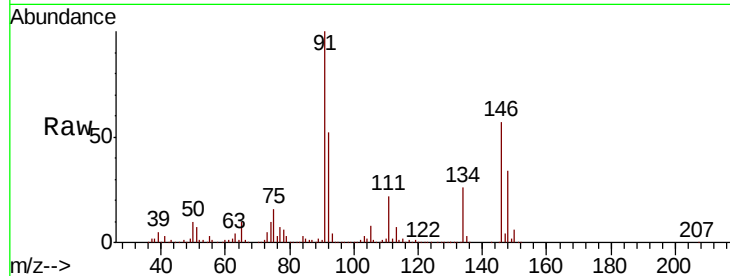
#91
 1,2-Dichlorobenzene
 Concen: 47.98 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	63.5	32.8	98.3

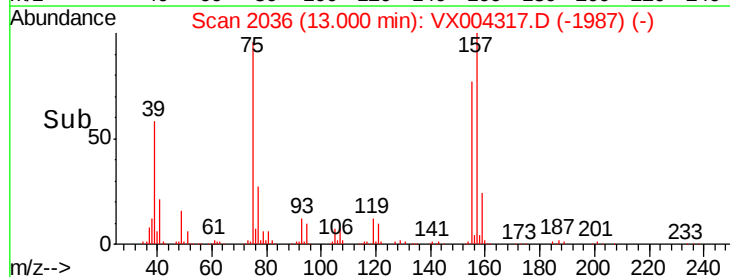
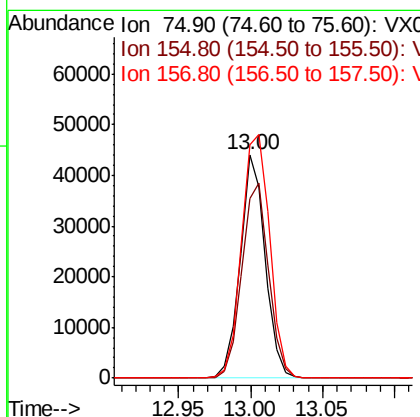
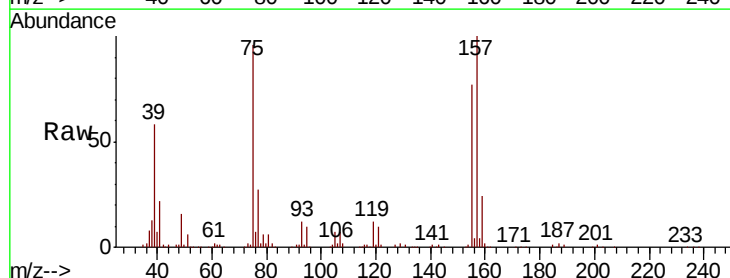
Manual Integrations
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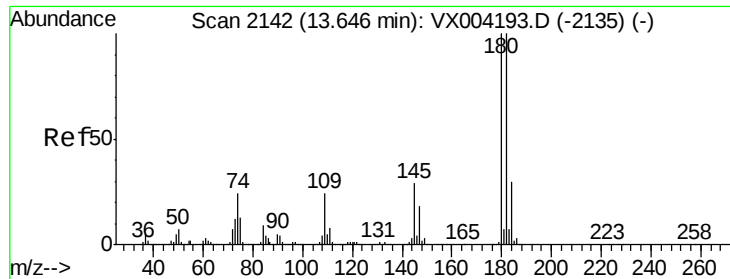
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.75 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	48.0	144.2
157	122.7	61.4	184.1





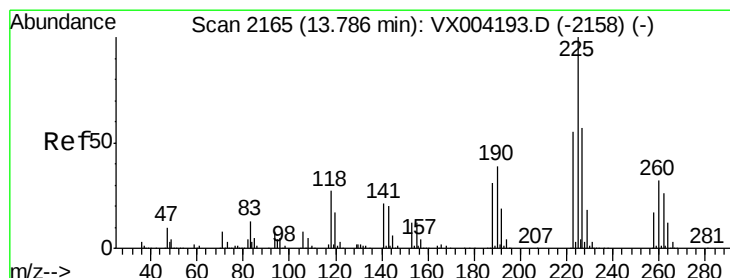
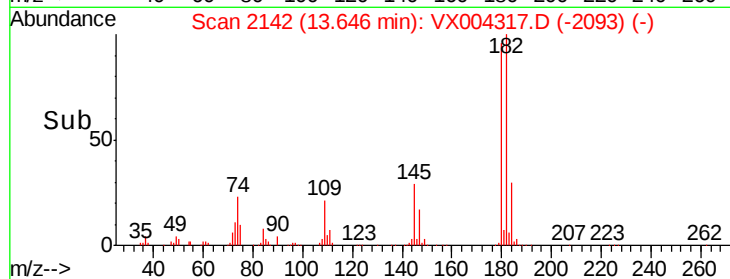
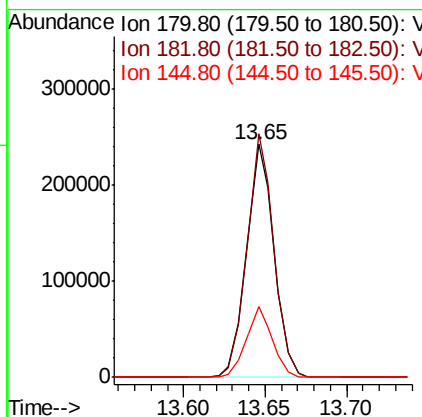
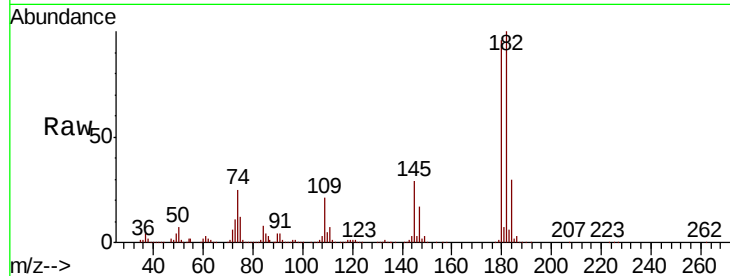
#93
 1,2,4-Trichlorobenzene
 Concen: 45.33 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285313		
182	101.6	48.4	145.0	
145	28.8	14.3	42.9	

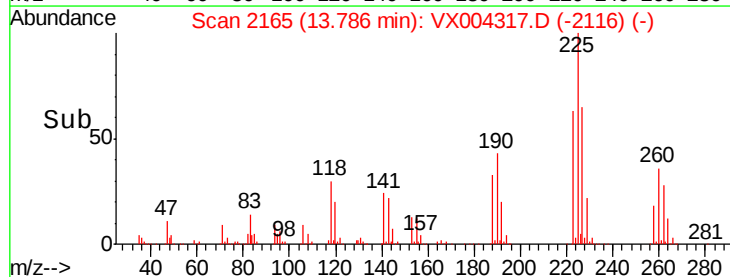
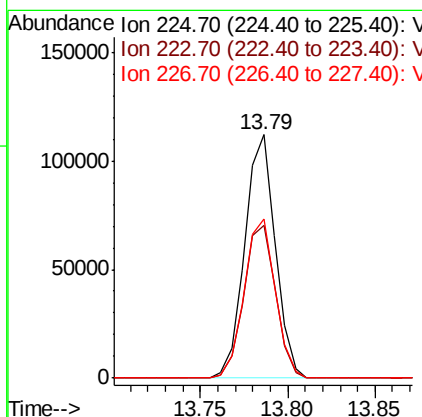
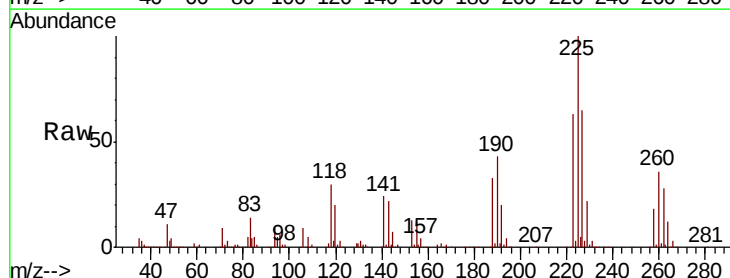
Manual Integrations
 APPROVED

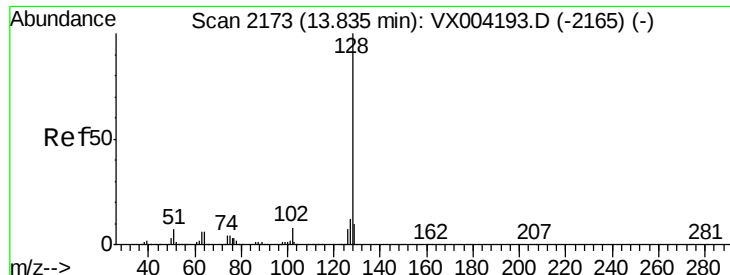
MMDadoda
 8/31/2018 4:29:02 PM



#94
 Hexachlorobutadiene
 Concen: 46.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004317.D
 Acq: 30 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135779		
223	65.2	30.1	90.5	
227	66.5	30.8	92.4	





#95

Naphthalene

Concen: 48.75 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Instrument :

MSVOA_X

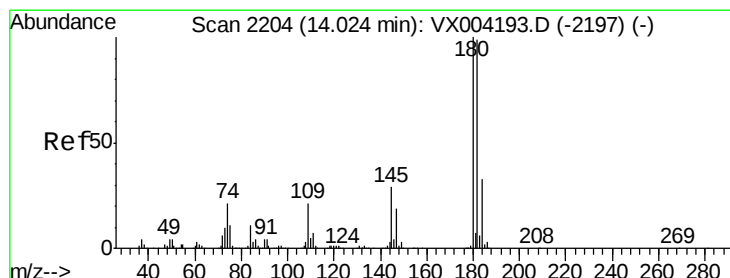
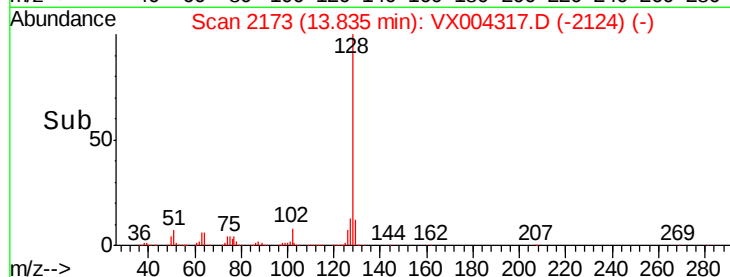
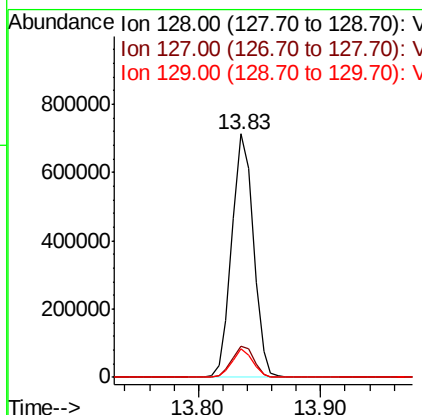
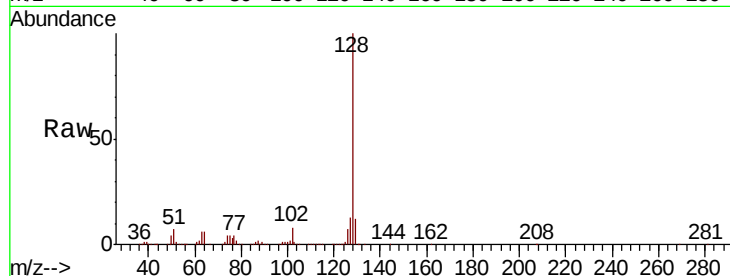
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	867829
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/31/2018 4:29:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.29 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004317.D

Acq: 30 Aug 2018 12:00

Tgt Ion:	180	Resp:	321756
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.5	145.6
145	30.2	14.9	44.9

