

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004095.D
 Acq On : 16 Aug 2018 02:14
 Operator : JC/MD
 Sample : VX0815WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Manual Integrations
 APPROVED

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 8/16/2018 4:40:07 PM

Quant Time: Aug 16 07:31:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	422267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	213466	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
35) Dibromofluoromethane	5.51	113	174602	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	8.71	98	672534	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	240557	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56449	20.39	ug/l	100
3) Chloromethane	1.32	50	66989	19.72	ug/l	98
4) Vinyl Chloride	1.40	62	75497	20.54	ug/l	98
5) Bromomethane	1.64	94	44070	23.56	ug/l	98
6) Chloroethane	1.73	64	53557	21.12	ug/l	97
7) Trichlorofluoromethane	1.93	101	104367	20.24	ug/l	99
8) Diethyl Ether	2.18	74	45879	20.38	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63135	19.62	ug/l	100
10) Methyl Iodide	2.51	142	62113	21.28	ug/l	98
11) Tert butyl alcohol	3.04	59	91750	113.69	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60650	20.27	ug/l	98
13) Acrolein	2.29	56	46284	91.78	ug/l	100
14) Allyl chloride	2.73	41	109183	19.18	ug/l	96
15) Acrylonitrile	3.14	53	227861	113.25	ug/l	100
16) Acetone	2.44	43	225469	108.21	ug/l	100
17) Carbon Disulfide	2.57	76	160739	18.94	ug/l	99
18) Methyl Acetate	2.77	43	100201	21.64	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	221373	21.00	ug/l	98
20) Methylene Chloride	2.86	84	72638	20.98	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	70046	20.61	ug/l	92
22) Diisopropyl ether	3.87	45	237884	21.32	ug/l	96
23) Vinyl Acetate	3.82	43	996472	108.75	ug/l	99
24) 1,1-Dichloroethane	3.70	63	134911	21.35	ug/l	99
25) 2-Butanone	4.70	43	357404	105.43	ug/l	100
26) 1,2-Dichloropropane	4.59	77	63399	12.62	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	77642	20.32	ug/l	96
28) Bromochloromethane	5.02	49	62722	21.63	ug/l	99
29) Tetrahydrofuran	5.16	42	179008	103.35	ug/l	98
30) Chloroform	5.21	83	129324	20.97	ug/l	97
31) Cyclohexane	5.58	56	103436	18.67	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	107755	20.91	ug/l	98
36) 1,1-Dichloropropene	5.80	75	95036	19.78	ug/l	99
37) Ethyl Acetate	4.85	43	105924	20.24	ug/l	100
38) Carbon Tetrachloride	5.78	117	93720	20.08	ug/l	97

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Quant Time: Aug 16 07:31:22 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	100995	18.53	ug/l	99
40) Benzene	6.15	78	294883	20.44	ug/l	99
41) Methacrylonitrile	5.06	41	57325	19.56	ug/l	98
42) 1,2-Dichloroethane	6.20	62	104166	20.62	ug/l	100
43) Isopropyl Acetate	6.47	43	152701	19.80	ug/l	99
44) Trichloroethene	7.21	130	76527	19.54	ug/l	96
45) 1,2-Dichloropropane	7.52	63	74703	20.22	ug/l	99
46) Dibromomethane	7.67	93	49664	20.57	ug/l	99
47) Bromodichloromethane	7.90	83	92968	20.34	ug/l	98
48) Methyl methacrylate	7.78	41	79900	20.58	ug/l	99
49) 1,4-Dioxane	7.76	88	37279	426.46	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	693849	109.71	ug/l	99
52) Toluene	8.79	92	189509	20.77	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	91074	18.44	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	104193	19.05	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	77420	20.55	ug/l	99
56) Ethyl methacrylate	9.18	69	101233	19.76	ug/l	98
57) 1,3-Dichloropropane	9.37	76	128839	20.61	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	284384	108.99	ug/l	99
59) 2-Hexanone	9.50	43	522721	109.82	ug/l	98
60) Dibromochloromethane	9.59	129	72349	19.95	ug/l	100
61) 1,2-Dibromoethane	9.67	107	79247	20.63	ug/l	99
64) Tetrachloroethene	9.34	164	80573	21.26	ug/l	94
65) Chlorobenzene	10.14	112	208122	20.15	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	72688	20.63	ug/l	99
67) Ethyl Benzene	10.26	91	330406	20.20	ug/l	97
68) m/p-Xylenes	10.36	106	270661	42.25	ug/l	97
69) o-Xylene	10.70	106	125974	20.58	ug/l	95
70) Styrene	10.71	104	215941	20.96	ug/l	97
71) Bromoform	10.86	173	54341	19.45	ug/l #	98
73) Isopropylbenzene	11.02	105	342372	20.81	ug/l	96
74) N-amyl acetate	6.47	43	152701	19.73	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	118989	20.71	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	105573m	21.66	ug/l	
77) Bromobenzene	11.26	156	92895	20.48	ug/l	99
78) n-propylbenzene	11.36	91	381885	20.74	ug/l	99
79) 2-Chlorotoluene	11.42	91	237650	21.18	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	274310	20.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25610	16.26	ug/l	95
82) 4-Chlorotoluene	11.51	91	273806	20.65	ug/l	100
83) tert-Butylbenzene	11.77	119	265739	19.57	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	289495	20.75	ug/l	98
85) sec-Butylbenzene	11.94	105	326828	20.56	ug/l	100
86) p-Isopropyltoluene	12.07	119	287514	19.98	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	170229	19.68	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	173944	19.54	ug/l	96
89) n-Butylbenzene	12.39	91	209708	18.49	ug/l	100
90) Hexachloroethane	12.60	117	41599	19.32	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	149183	19.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20150	19.96	ug/l	95

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Instrument :
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ClientSampleId :
VX0815WBS02

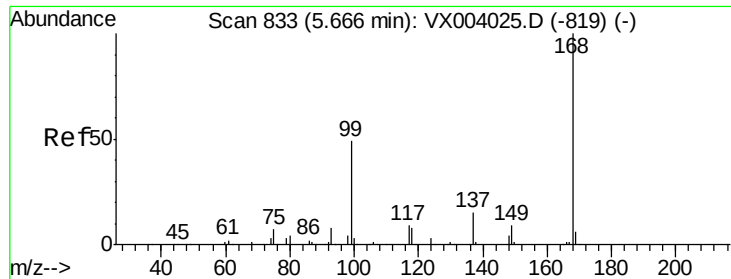
Manual Integrations
APPROVED

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8/16/2018 4:40:07 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104361	19.57	ug/l	98
94) Hexachlorobutadiene	13.79	225	48025	17.97	ug/l	99
95) Naphthalene	13.83	128	315593	19.29	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	118284	20.34	ug/l	99

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



#1

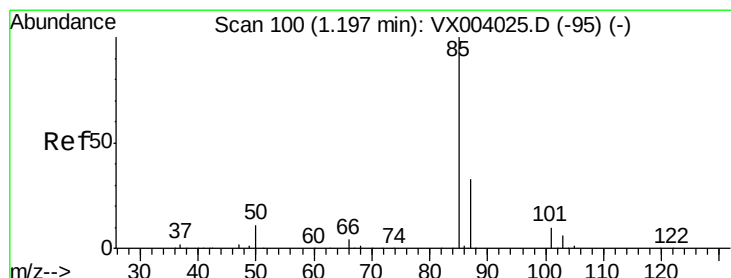
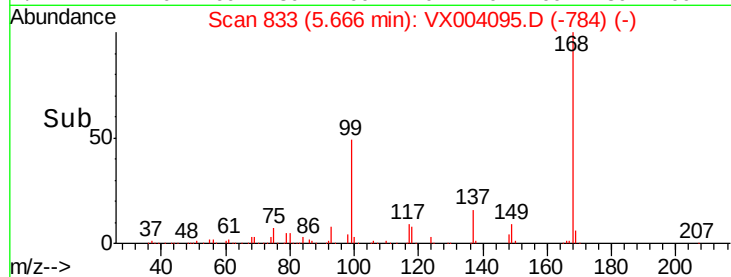
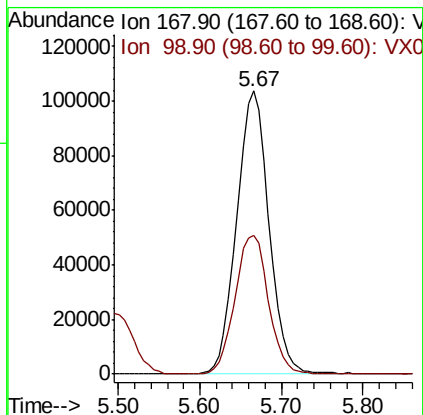
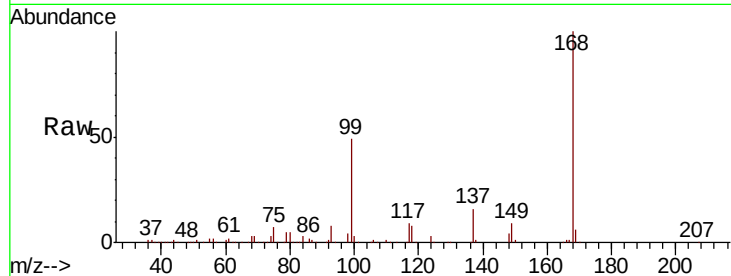
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.9	40.1	60.1

Manual Integrations
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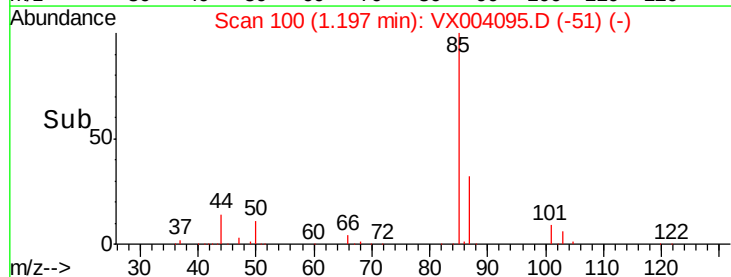
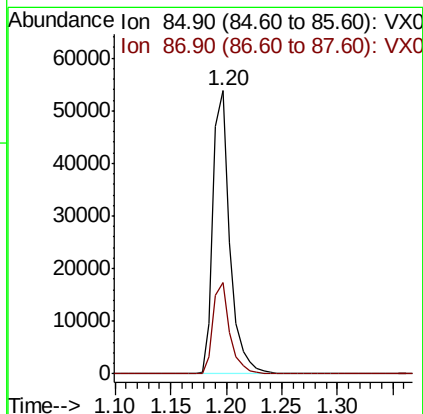
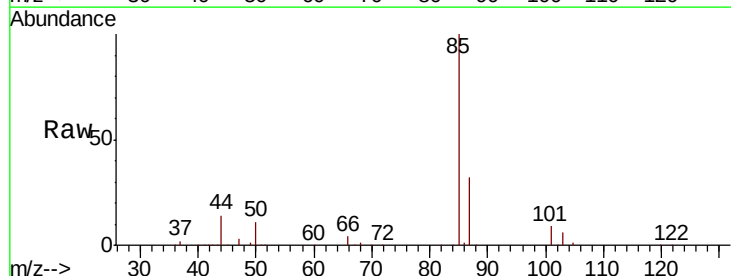
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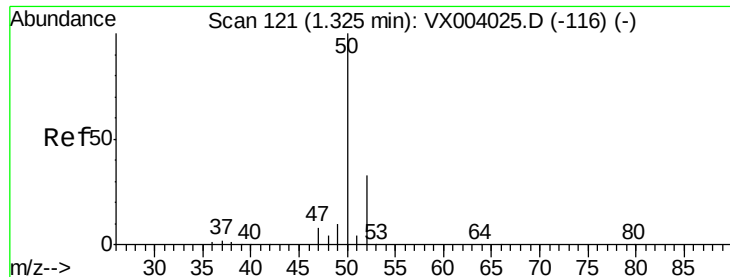


#2

Dichlorodifluoromethane
Concen: 20.39 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.0	48.0





#3

Chloromethane

Concen: 19.72 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 50 Resp: 66989

Ion Ratio Lower Upper

50 100

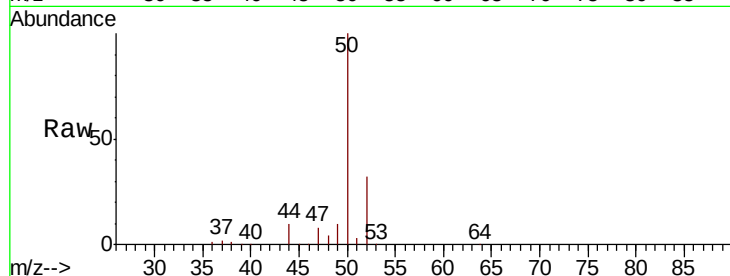
52 32.0 26.6 39.8

Manual Integrations

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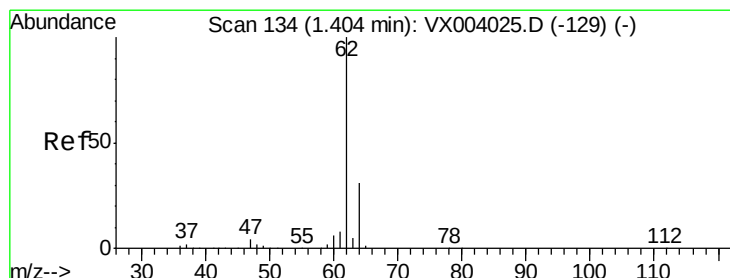
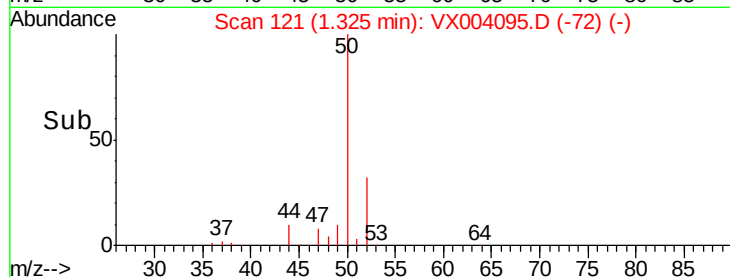
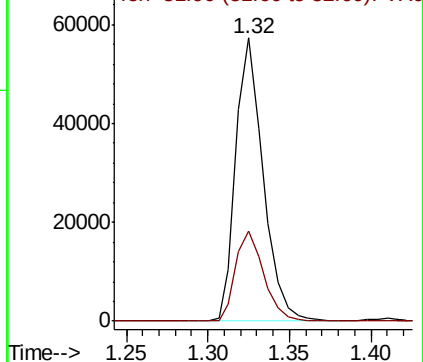
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.54 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004095.D

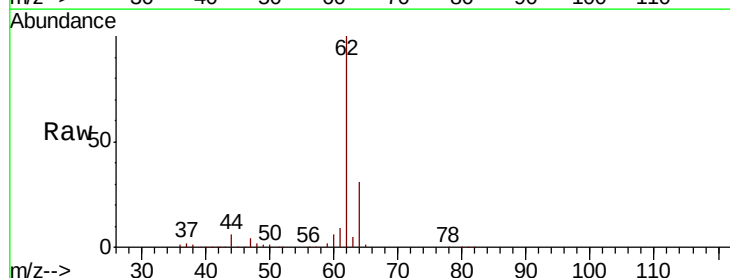
Acq: 16 Aug 2018 02:14

Tgt Ion: 62 Resp: 75497

Ion Ratio Lower Upper

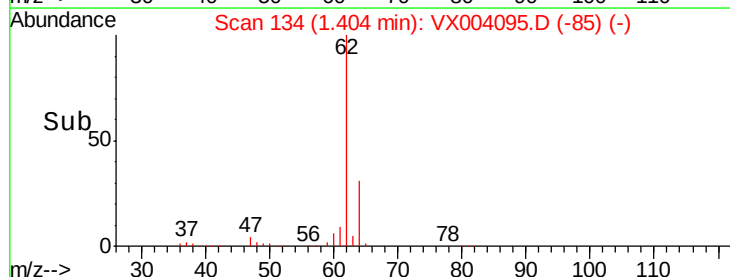
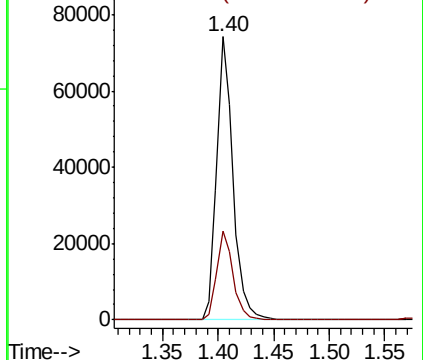
62 100

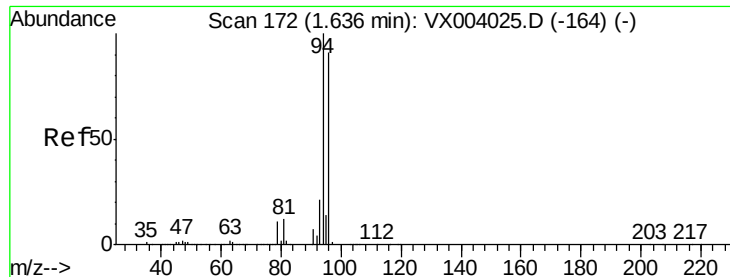
64 31.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.56 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 94 Resp: 44070

Ion Ratio Lower Upper

94 100

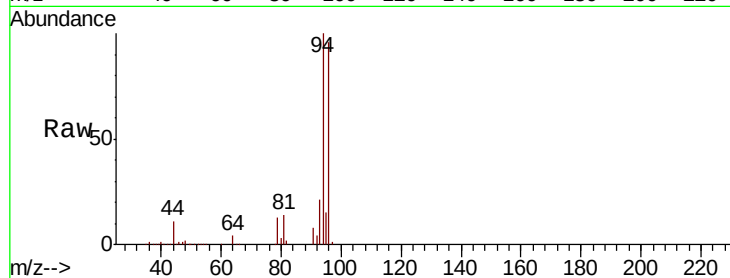
96 96.1 75.2 112.8

Manual Integrations

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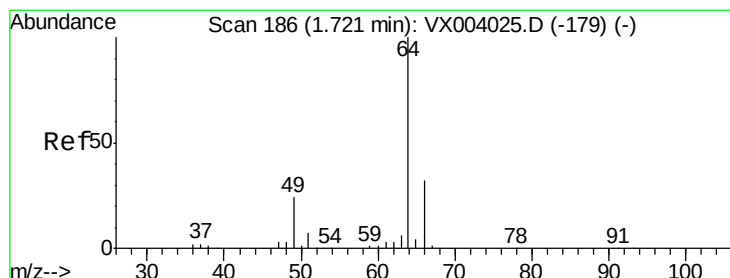
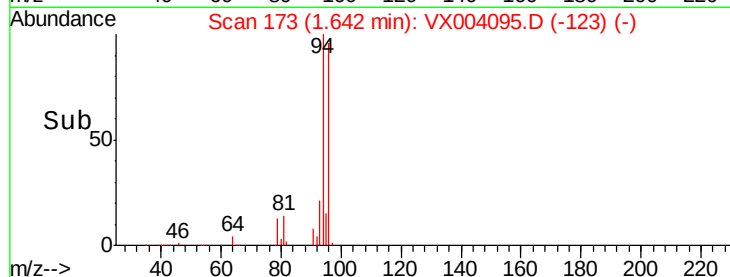
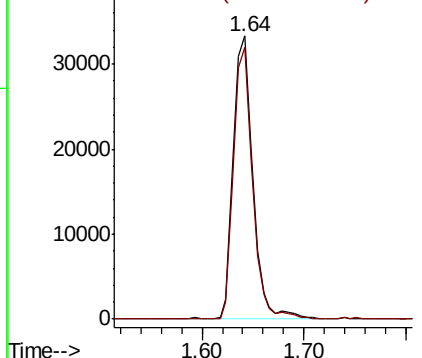
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.12 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004095.D

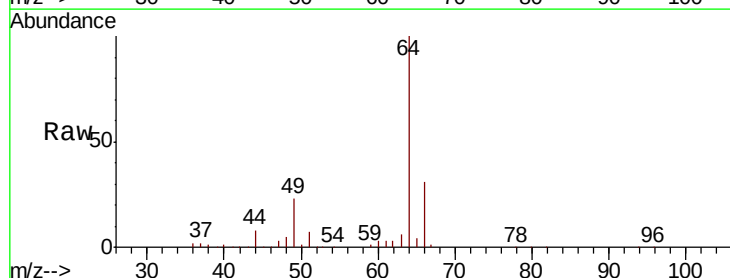
Acq: 16 Aug 2018 02:14

Tgt Ion: 64 Resp: 53557

Ion Ratio Lower Upper

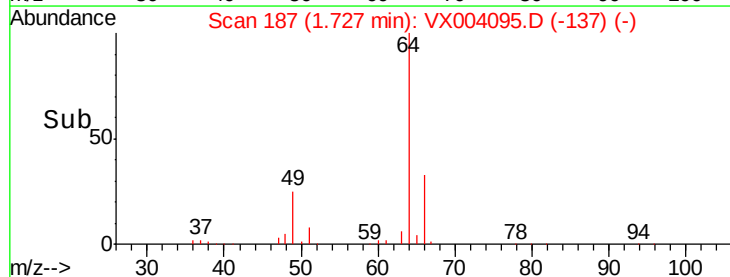
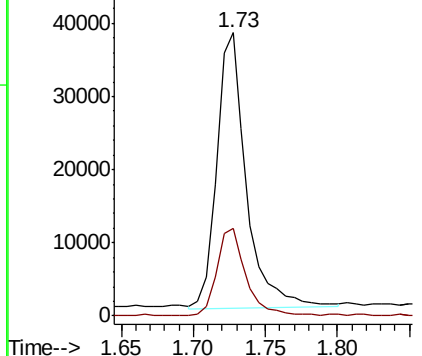
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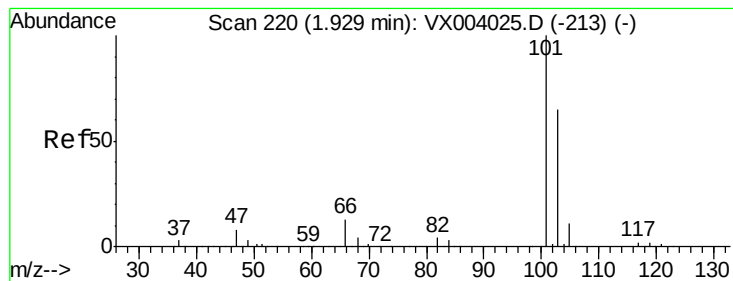
66 31.5 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





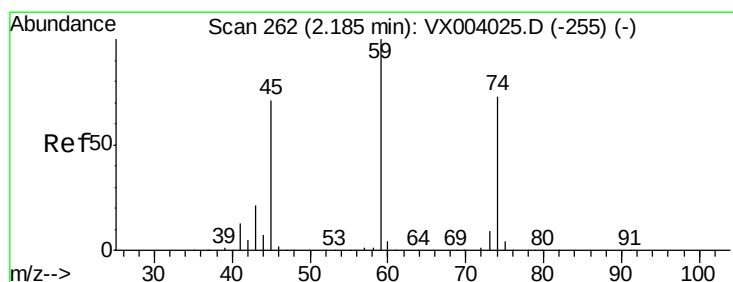
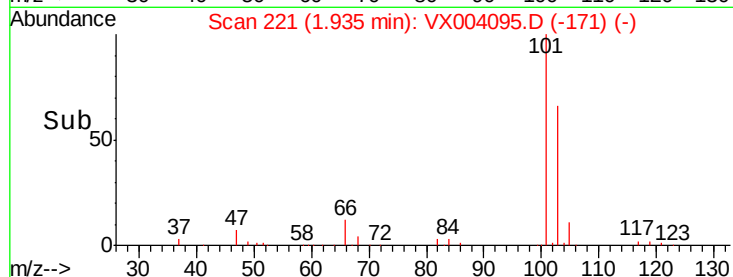
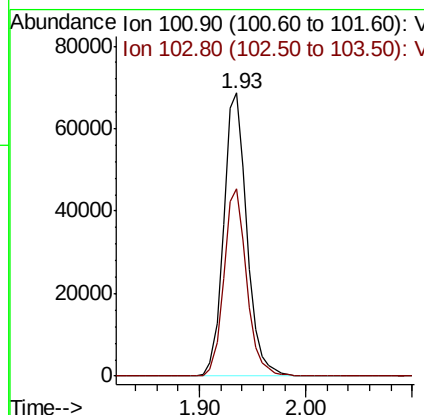
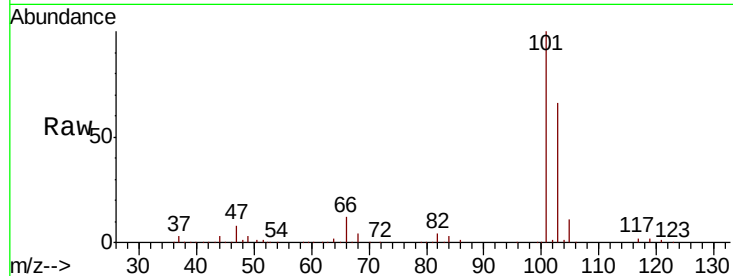
#7
 Trichlorofluoromethane
 Concen: 20.24 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.3	78.5

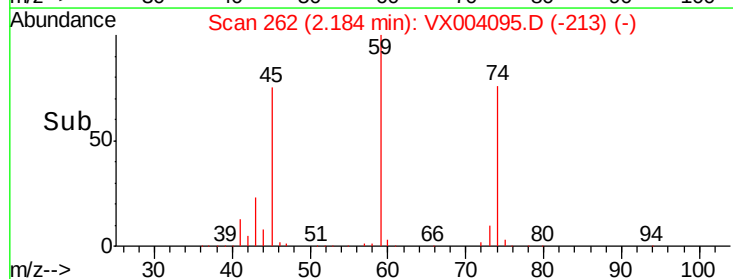
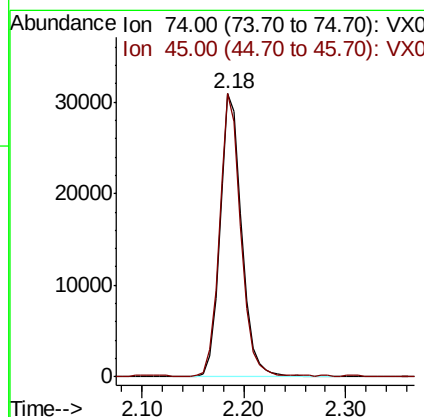
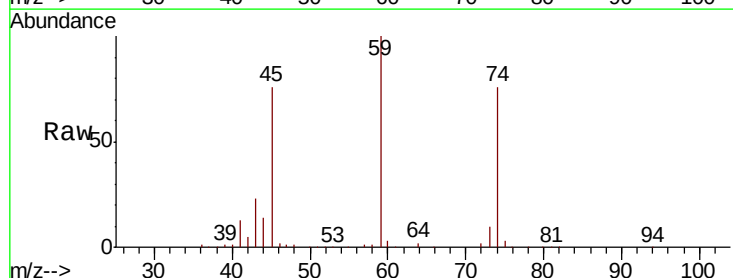
Manual Integrations
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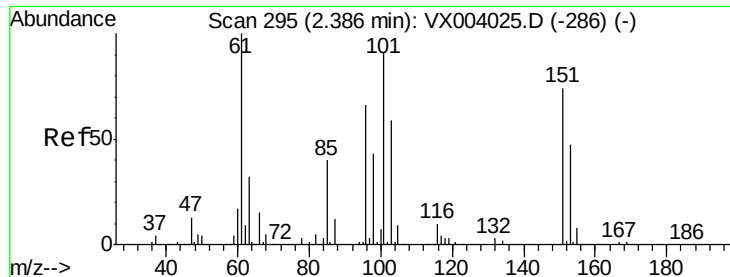
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#8
 Diethyl Ether
 Concen: 20.38 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.62 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

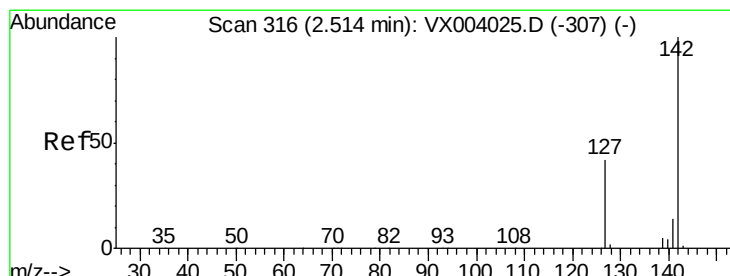
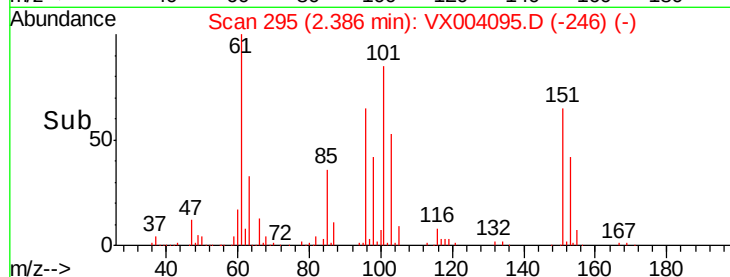
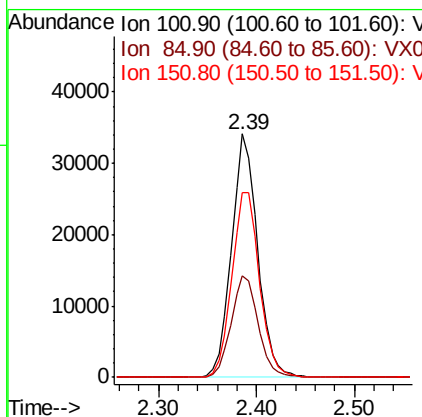
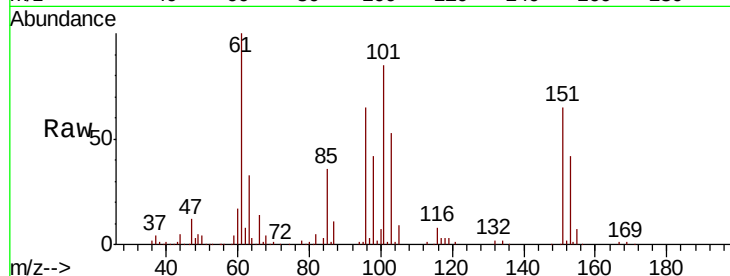
ClientSampleId :

VX0815WBS02

Tot Ion:	101	Resp:	63135
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	80.9	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.28 ug/l

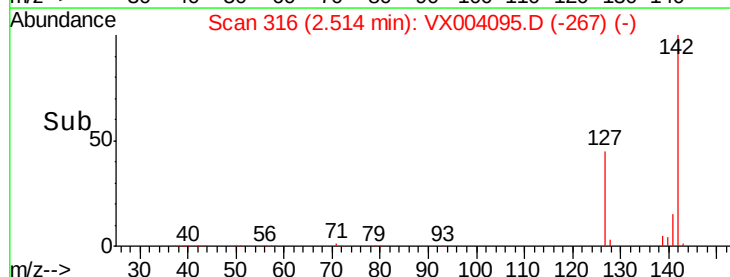
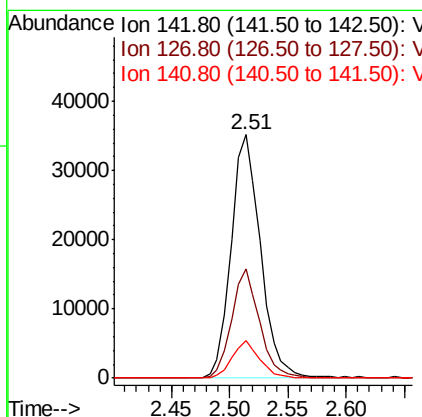
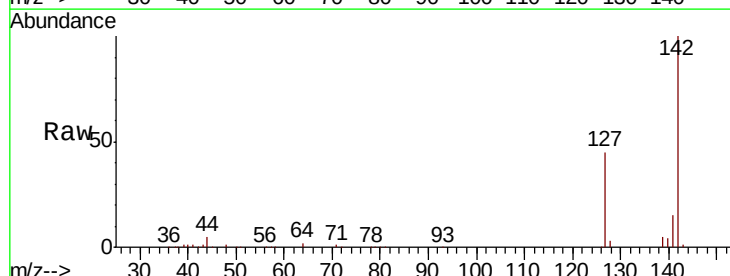
RT: 2.51 min Scan# 316

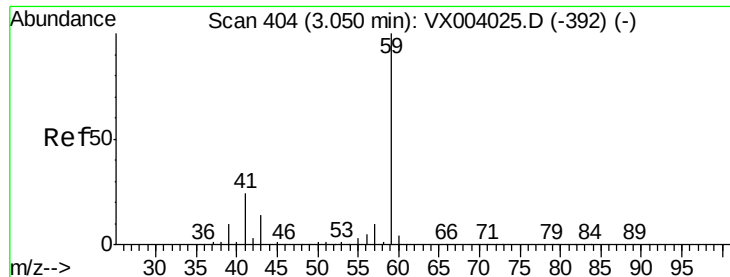
Delta R.T. 0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion:	142	Resp:	62113
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.1	49.7
141	14.3	11.1	16.7





#11

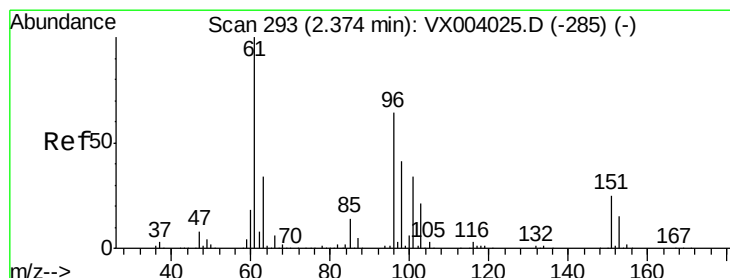
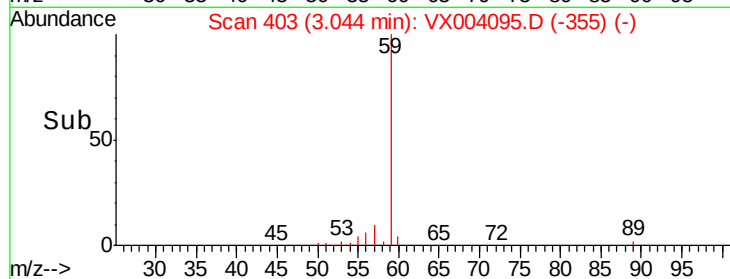
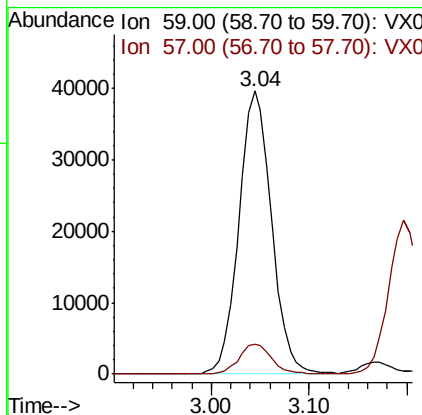
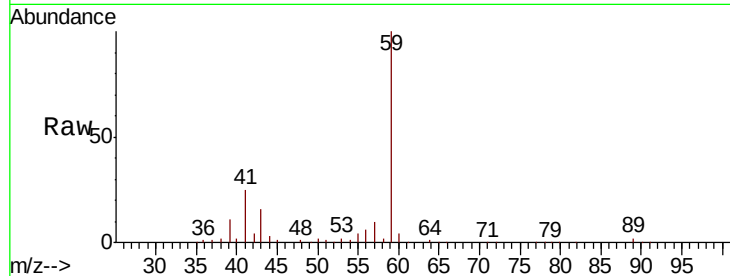
Tert butyl alcohol
Concen: 113.69 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	59.00	Resp	91750
Ion Ratio	100	Lower	Upper
57	10.5	8.1	12.1

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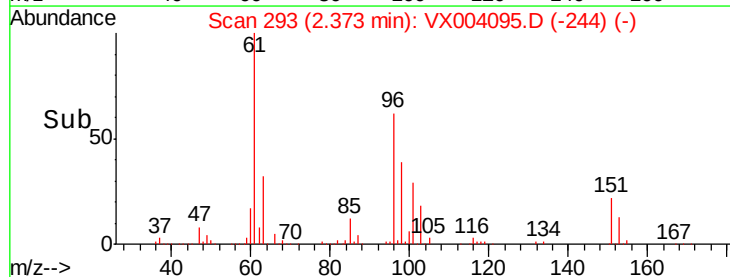
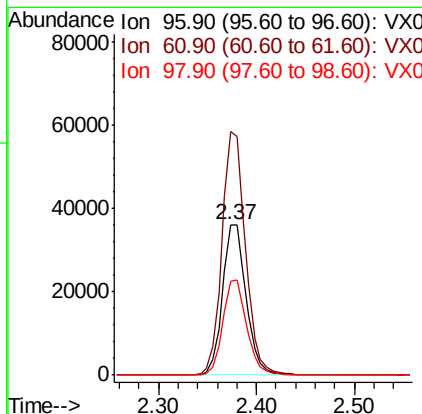
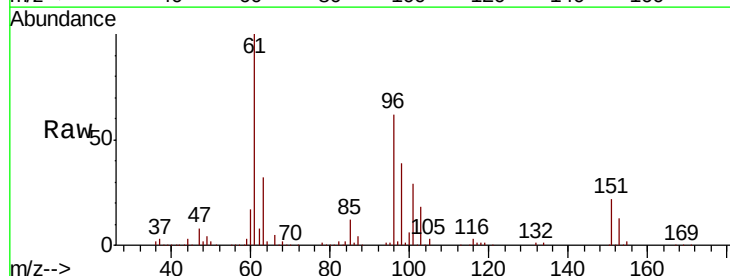
MMDadoda
8/16/2018 4:40:07 PM

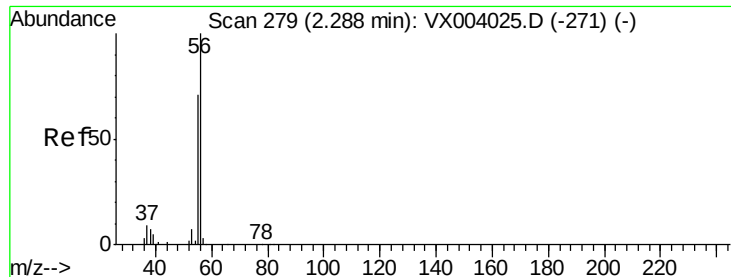


#12

1,1-Dichloroethene
Concen: 20.27 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	96	Resp	60650
Ion Ratio	100	Lower	Upper
61	161.8	131.3	196.9
98	62.4	51.8	77.6





#13

Acrolein

Concen: 91.78 ug/l

RT: 2.29 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 56 Resp: 46284

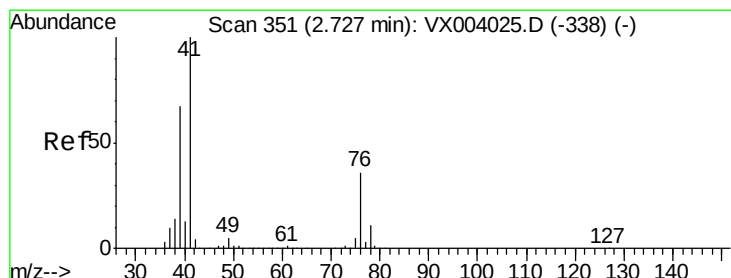
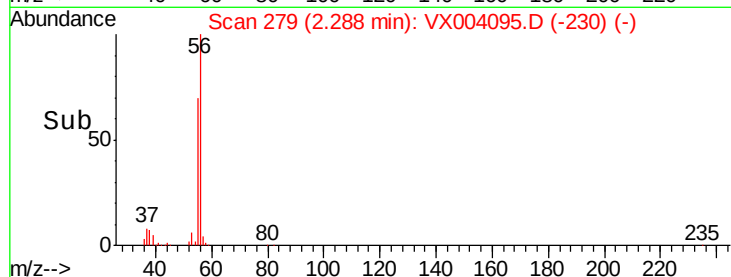
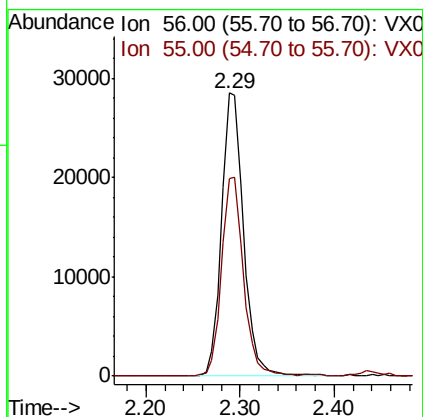
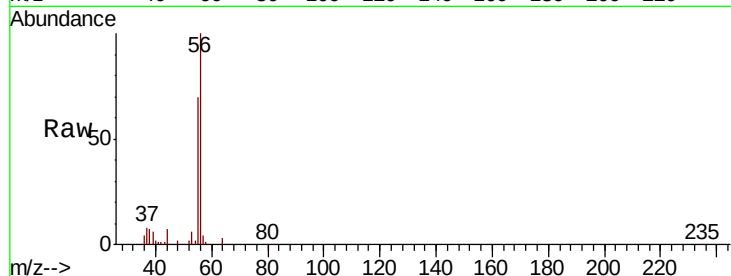
Ion Ratio Lower Upper

56 100

55 70.3 56.1 84.1

Manual Integrations
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#14

Allyl chloride

Concen: 19.18 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

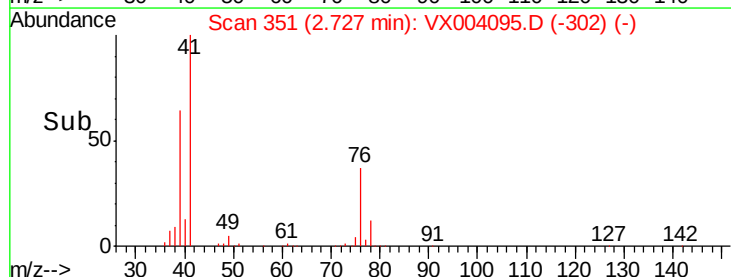
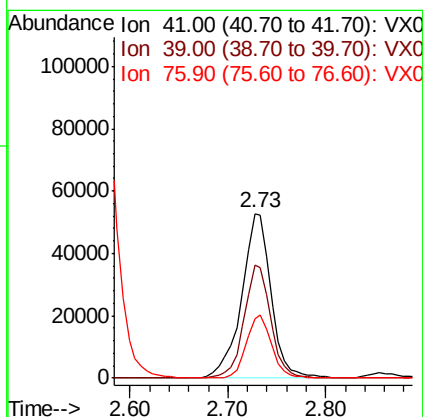
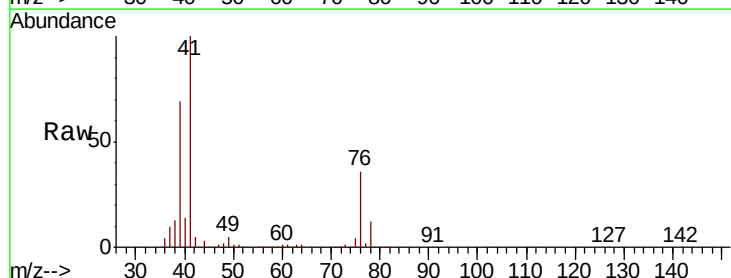
Tgt Ion: 41 Resp: 109183

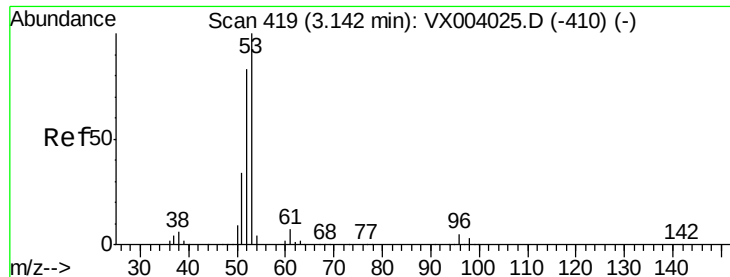
Ion Ratio Lower Upper

41 100

39 63.1 47.4 71.0

76 32.9 26.0 39.0





#15

Acrylonitrile

Concen: 113.25 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

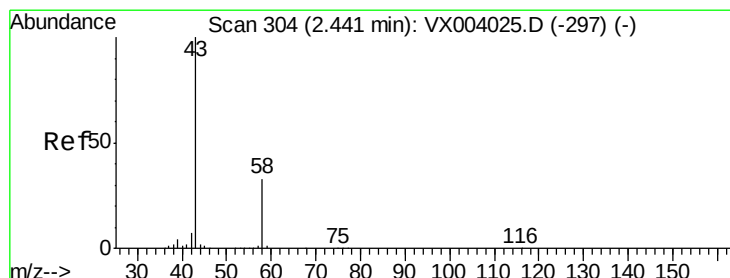
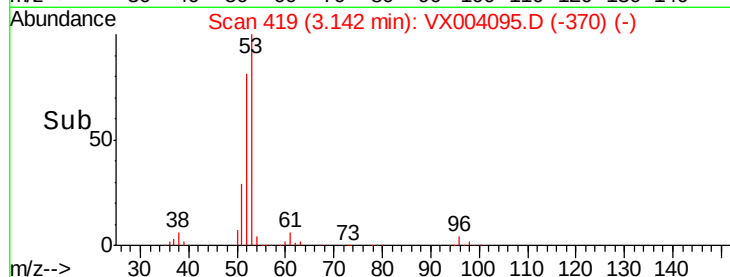
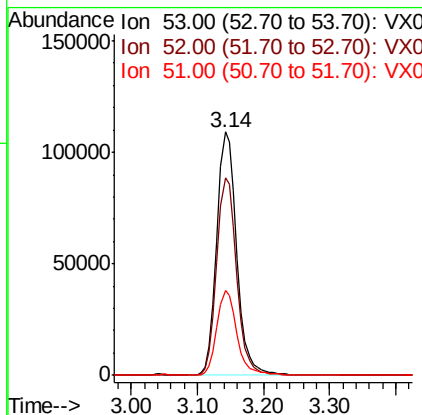
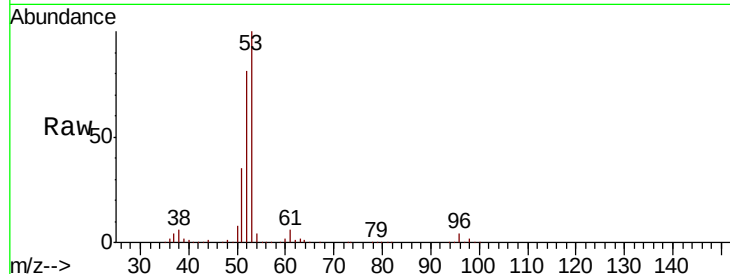
ClientSampleId :

VX0815WBS02

Tot Ion:	53	Resp:	227861
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	34.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 108.21 ug/l

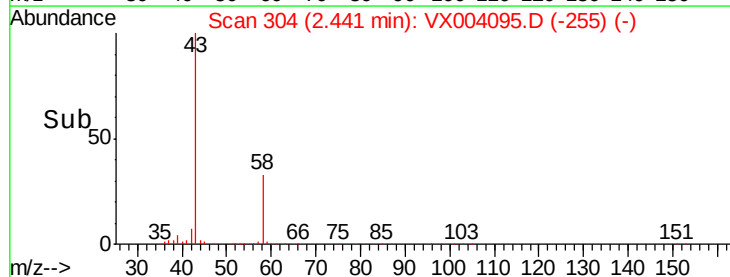
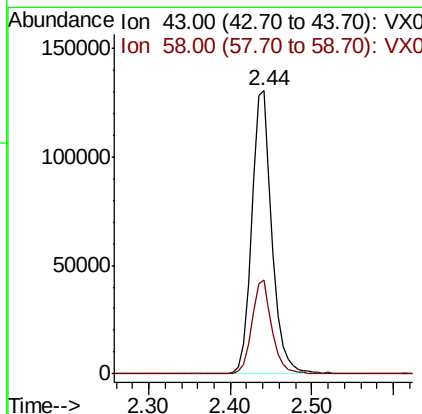
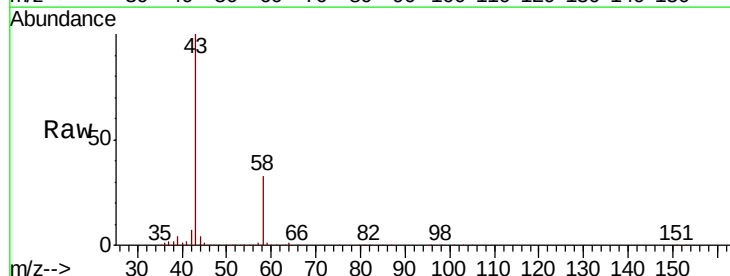
RT: 2.44 min Scan# 304

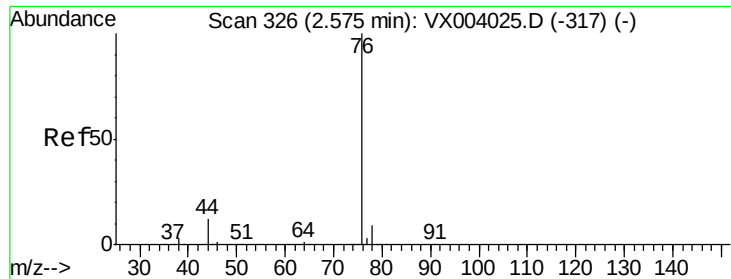
Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion:	43	Resp:	225469
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.4	39.6





#17

Carbon Disulfide

Concen: 18.94 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 76 Resp: 160739

Ion Ratio Lower Upper

76 100

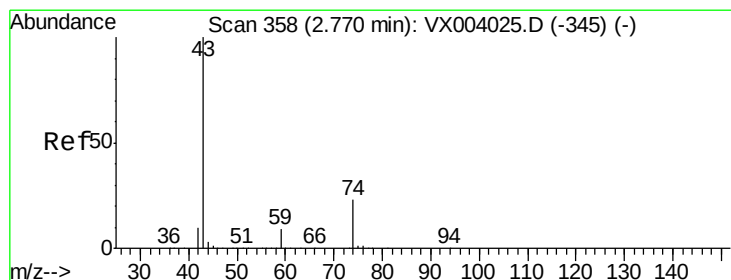
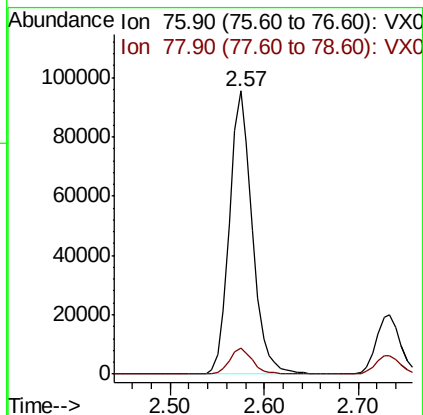
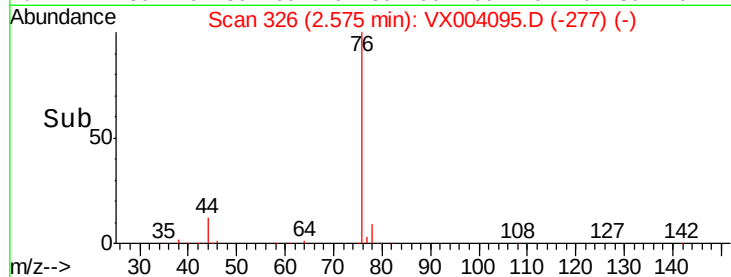
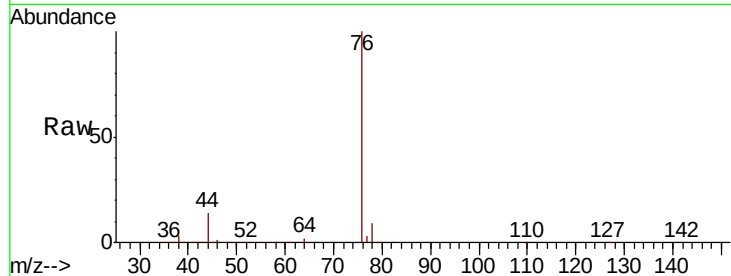
78 9.2 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 21.64 ug/l

RT: 2.77 min Scan# 358

Delta R.T. -0.00 min

Lab File: VX004095.D

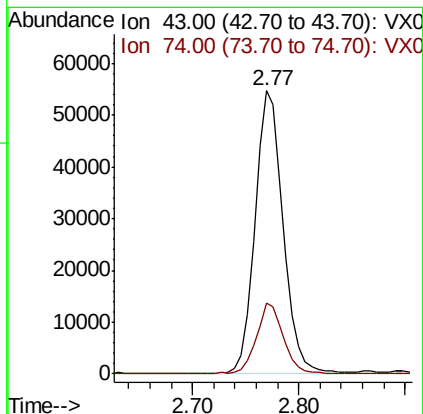
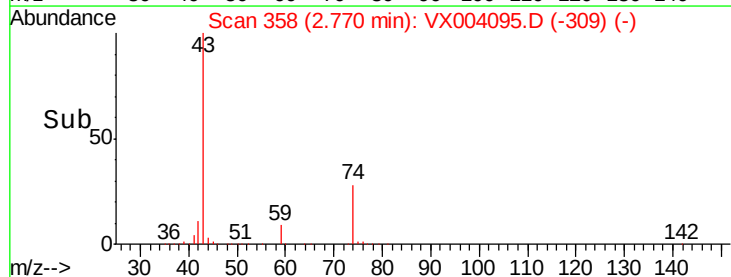
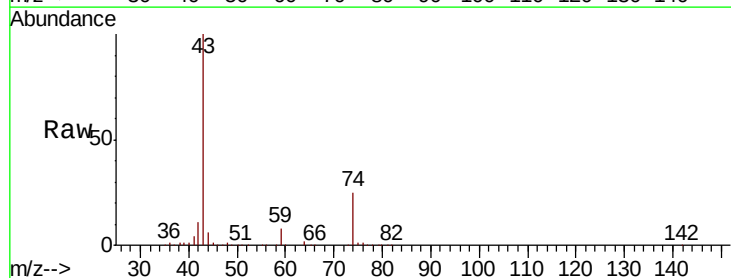
Acq: 16 Aug 2018 02:14

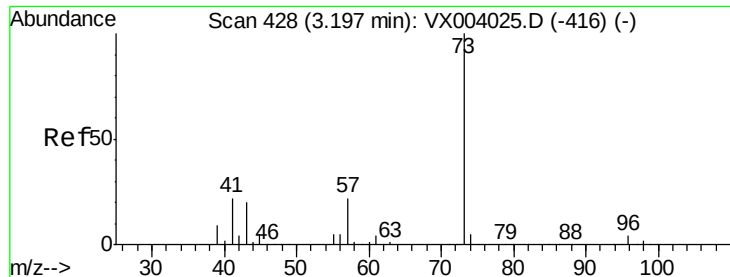
Tgt Ion: 43 Resp: 100201

Ion Ratio Lower Upper

43 100

74 24.6 18.9 28.3





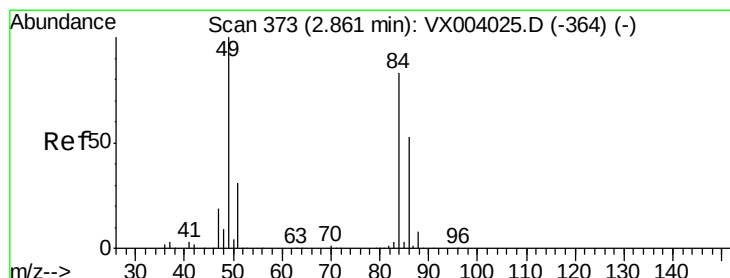
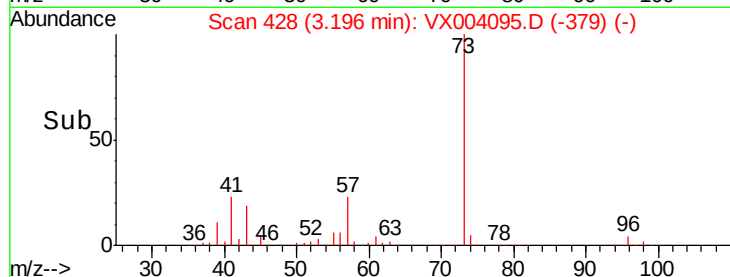
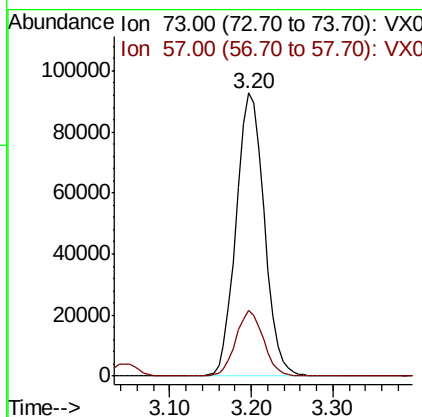
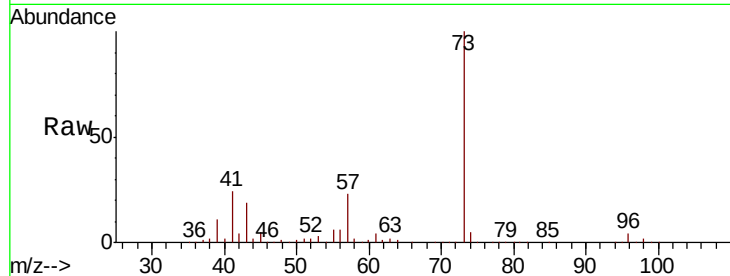
#19
Methyl tert-butyl Ether
Concen: 21.00 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.0	27.0

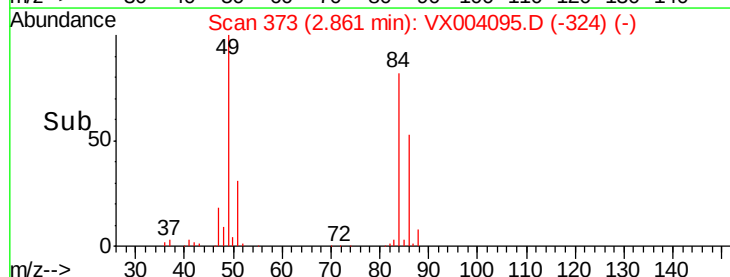
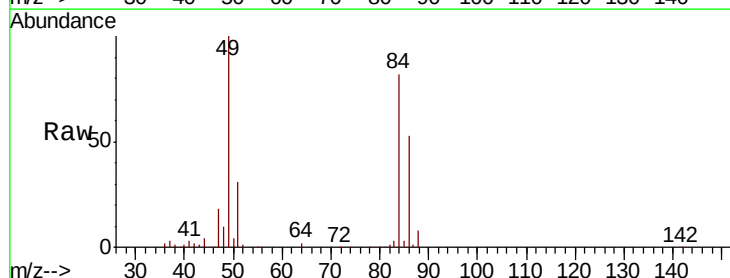
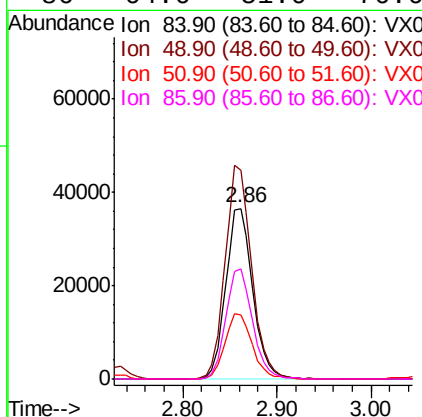
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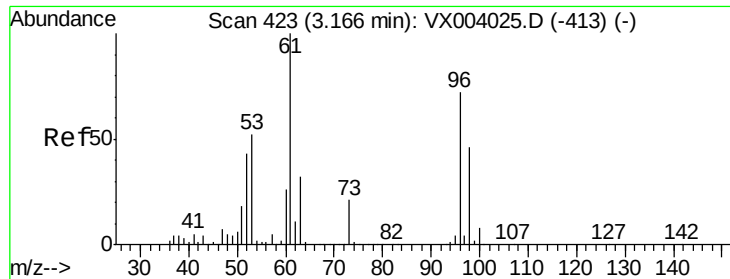
MMDadoda
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#20
Methylene Chloride
Concen: 20.98 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	98.9	148.3
51	37.3	29.9	44.9
86	64.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 96 Resp: 70046

Ion Ratio Lower Upper

96 100

61 130.5 111.8 167.6

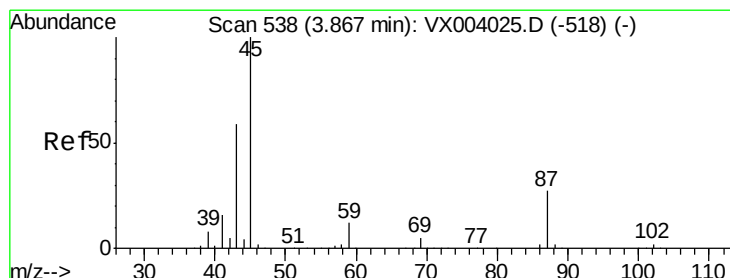
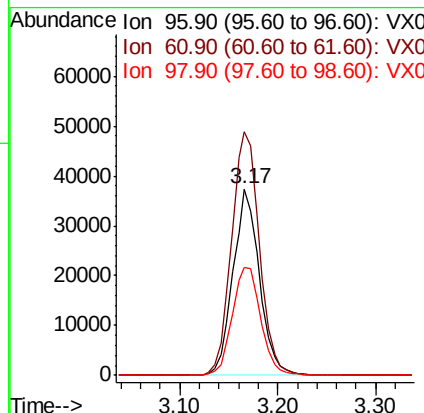
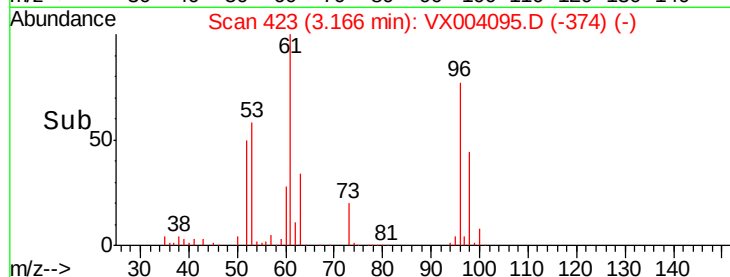
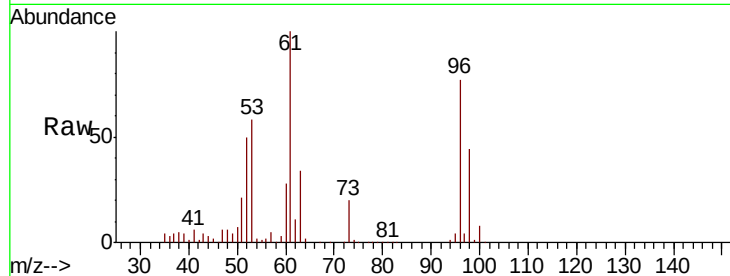
98 57.8 51.8 77.6

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#22

Diisopropyl ether

Concen: 21.32 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion: 45 Resp: 237884

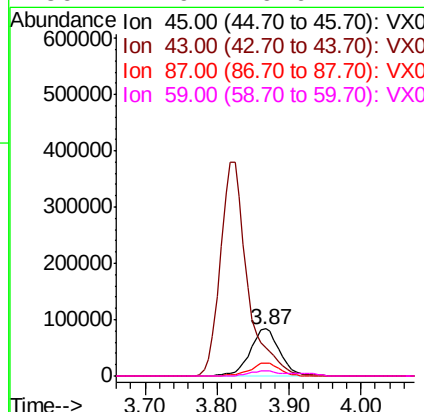
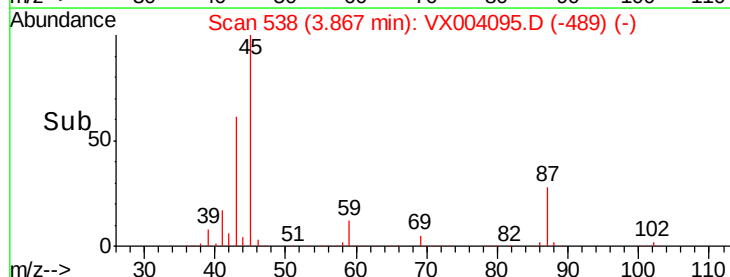
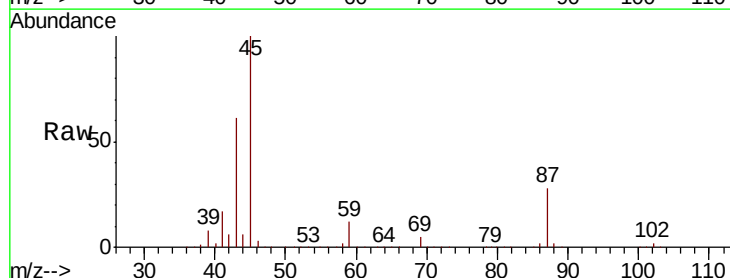
Ion Ratio Lower Upper

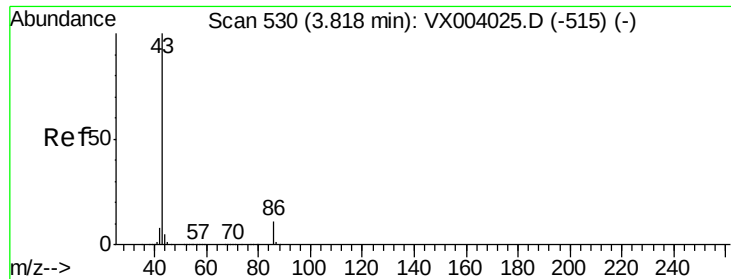
45 100

43 60.6 45.3 67.9

87 27.6 22.7 34.1

59 11.9 9.6 14.4





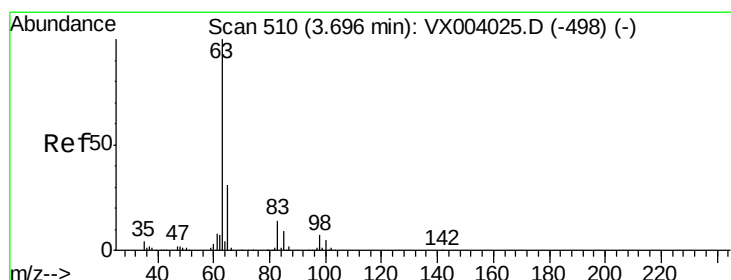
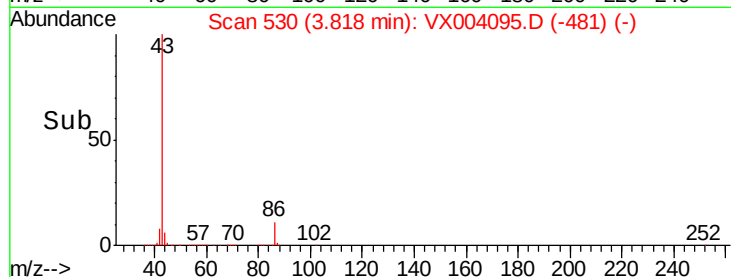
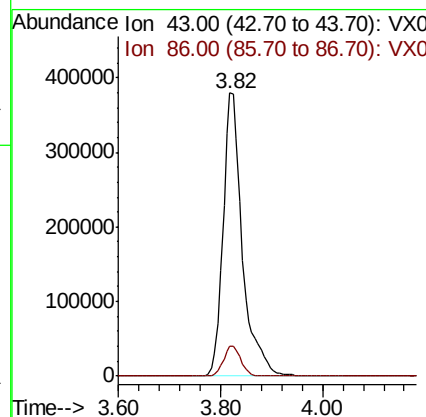
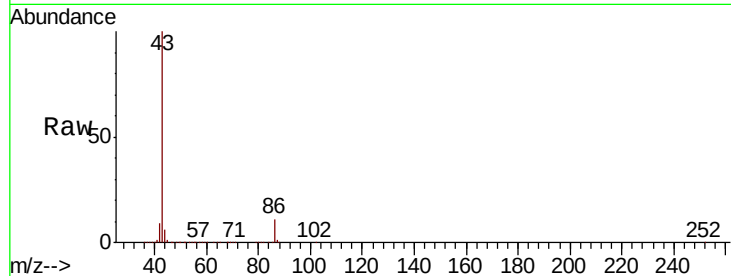
#23
 Vinyl Acetate
 Concen: 108.75 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3

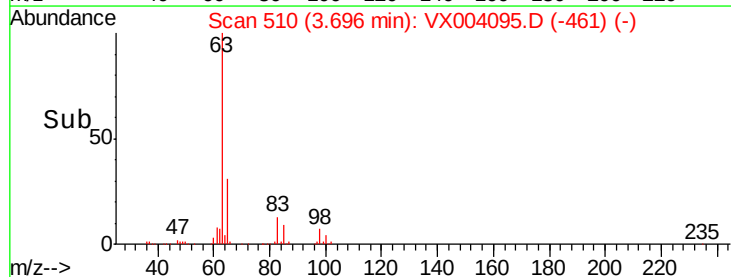
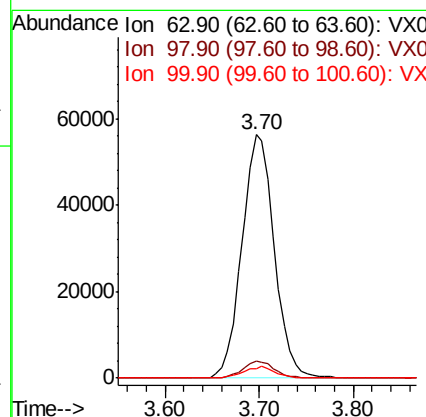
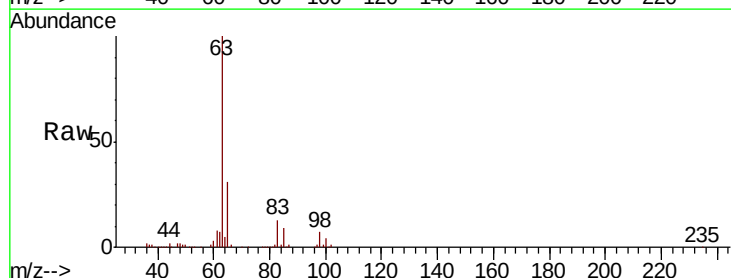
Manual Integrations
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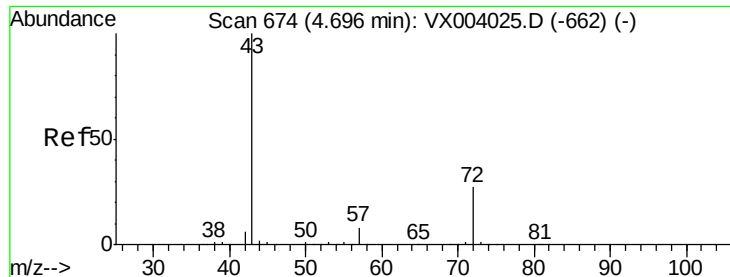
MMDadoda
 8/16/2018 4:40:07 PM



#24
 1,1-Dichloroethane
 Concen: 21.35 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.5
100	4.1	2.3	6.8





#25

2-Butanone

Concen: 105.43 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 43 Resp: 357404

Ion Ratio Lower Upper

43 100

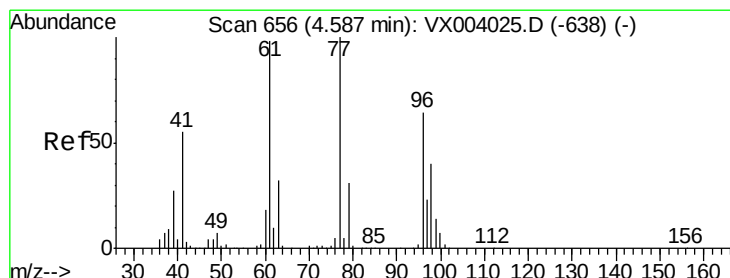
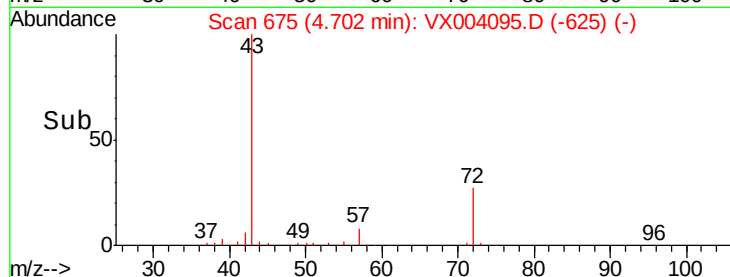
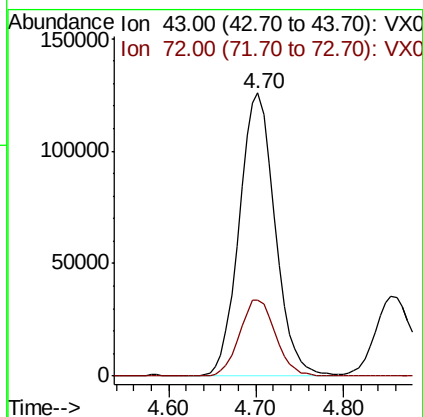
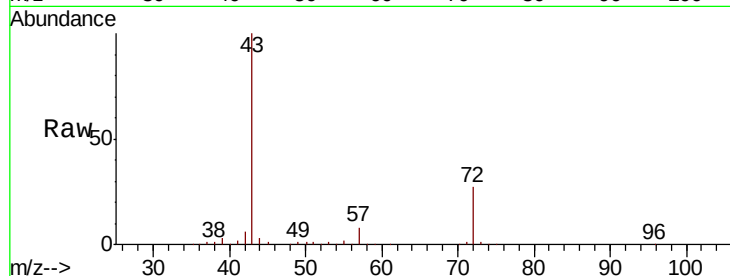
72 26.8 21.4 32.0

Manual Integrations

APPROVED

MMDadoda

8/16/2018 4:40:07 PM



#26

2,2-Dichloropropane

Concen: 12.62 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX004095.D

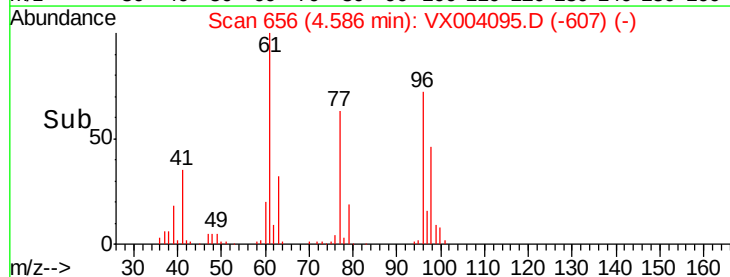
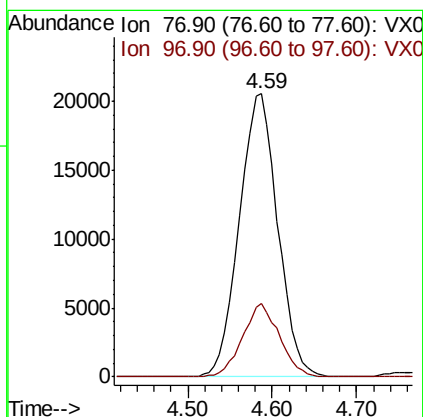
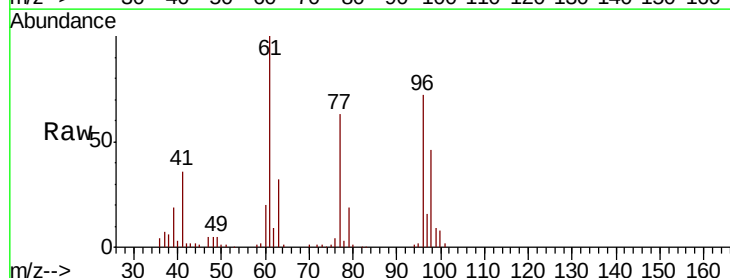
Acq: 16 Aug 2018 02:14

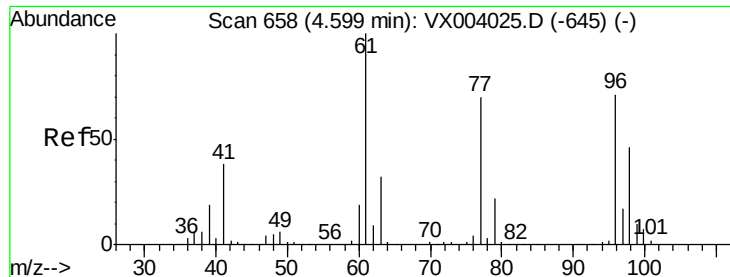
Tgt Ion: 77 Resp: 63399

Ion Ratio Lower Upper

77 100

97 24.8 11.9 35.9





#27

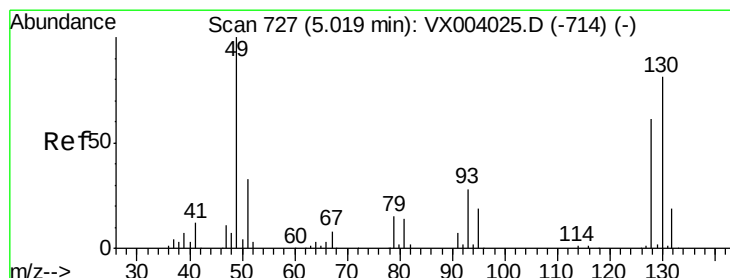
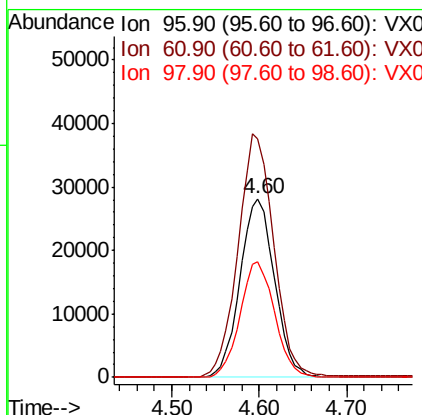
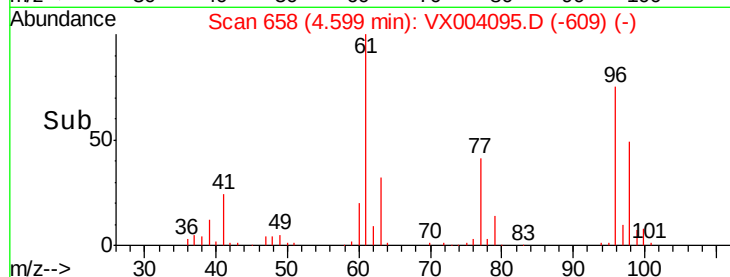
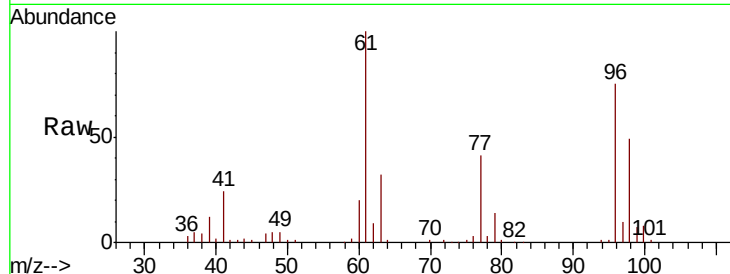
cis-1,2-Dichloroethene
 Concen: 20.32 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0815WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	293.0
98	64.5	0.0	131.8

Manual Integrations
 APPROVED

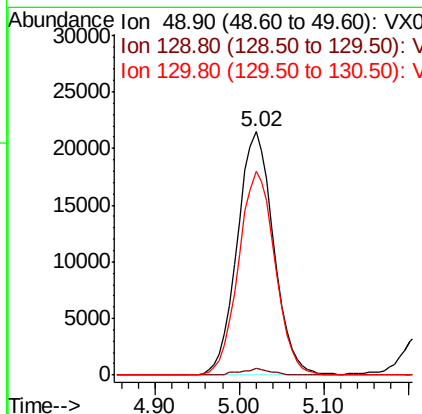
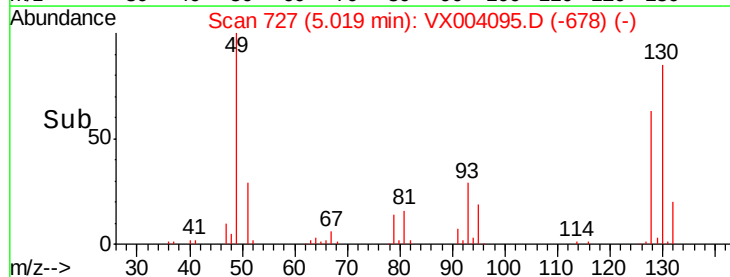
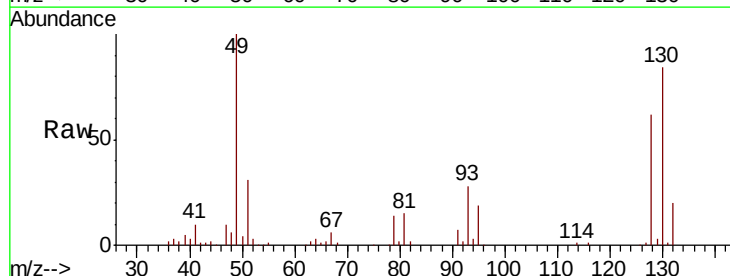
MMDadoda
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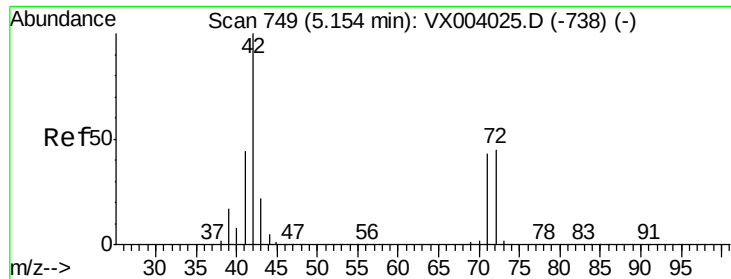


#28

Bromochloromethane
 Concen: 21.63 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	84.0	66.5	99.7





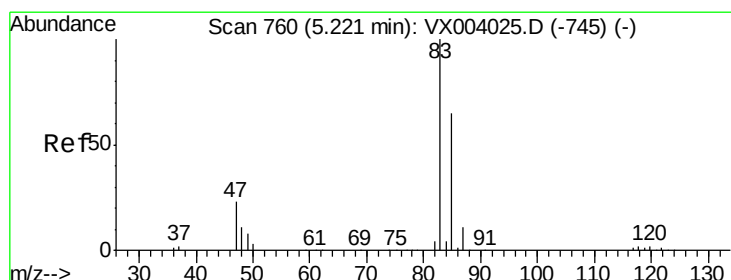
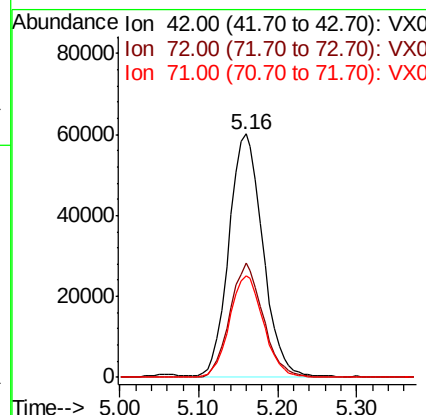
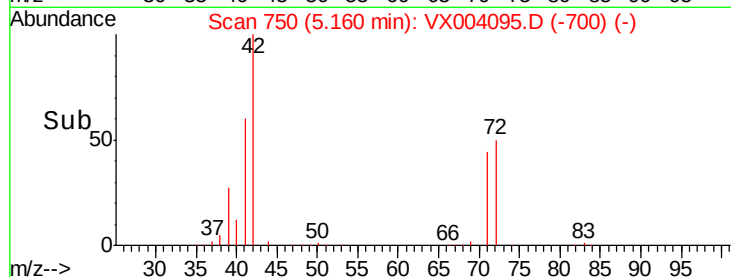
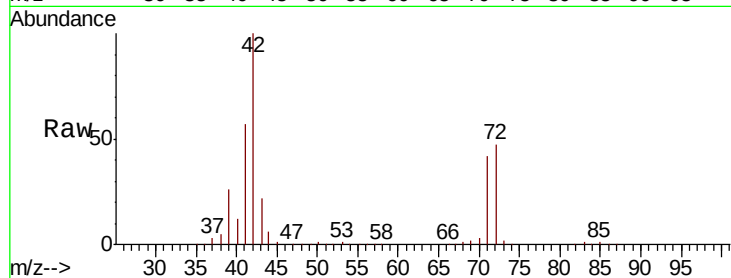
#29
Tetrahydrofuran
Concen: 103.35 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.7	56.5
71	42.1	35.0	52.6

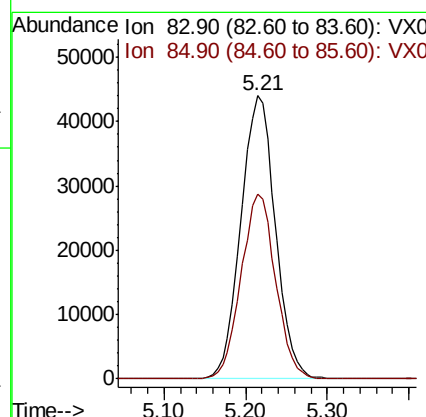
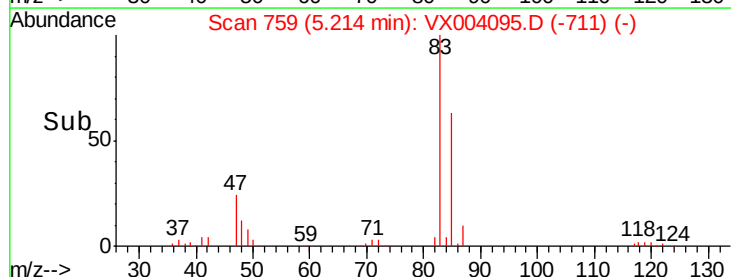
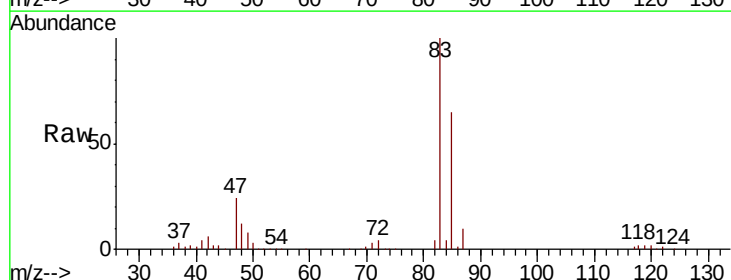
Manual Integrations
APPROVED

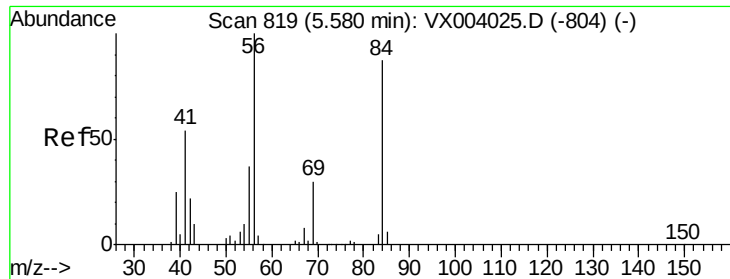
MMDadoda
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#30
Chloroform
Concen: 20.97 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1





#31

Cyclohexane

Concen: 18.67 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 56 Resp: 103436

Ion Ratio Lower Upper

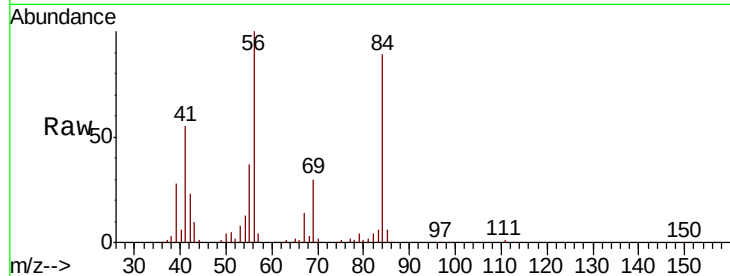
56 100

69 29.8 24.9 37.3

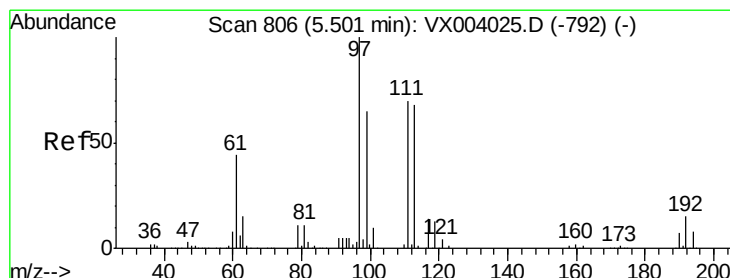
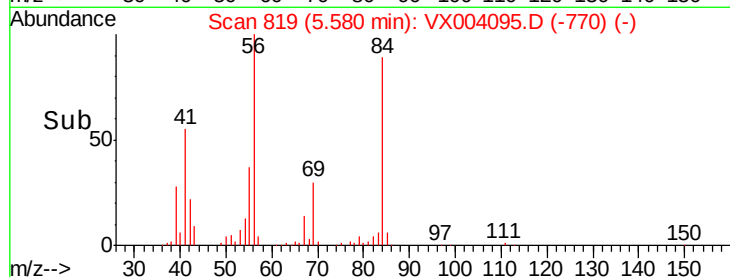
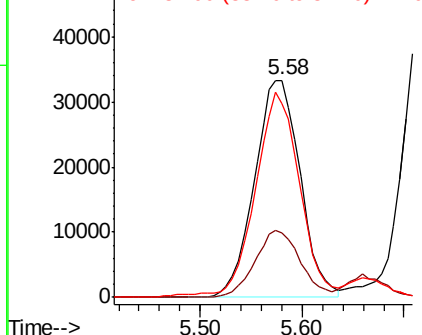
84 87.7 71.7 107.5

Manual Integrations
APPROVED

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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: 20.91 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

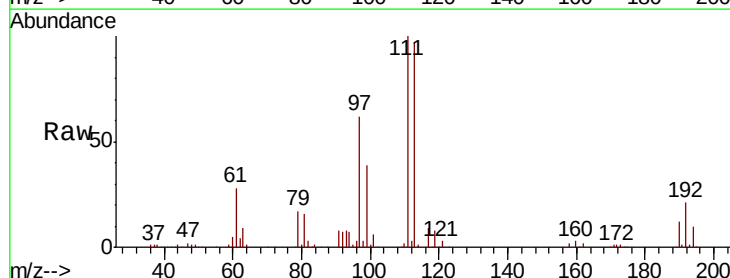
Tgt Ion: 97 Resp: 107755

Ion Ratio Lower Upper

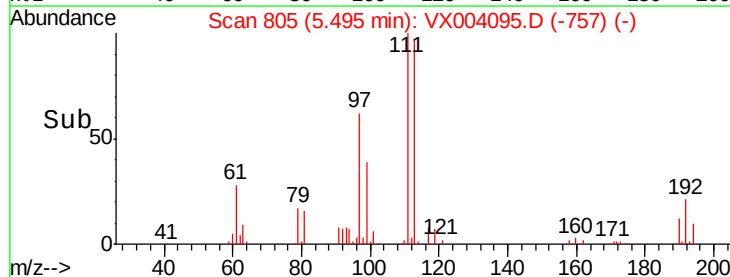
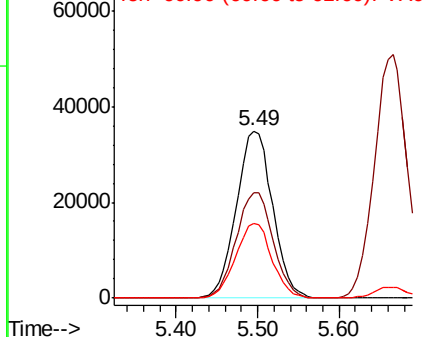
97 100

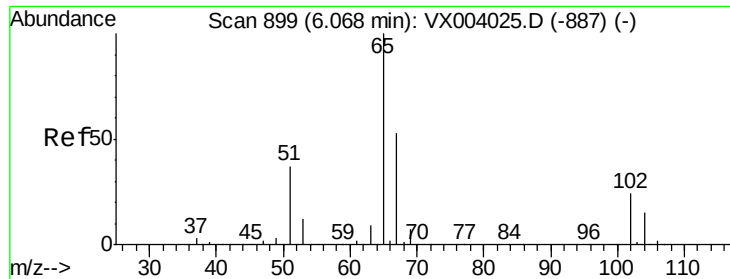
99 64.3 51.8 77.8

61 45.2 34.4 51.6



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





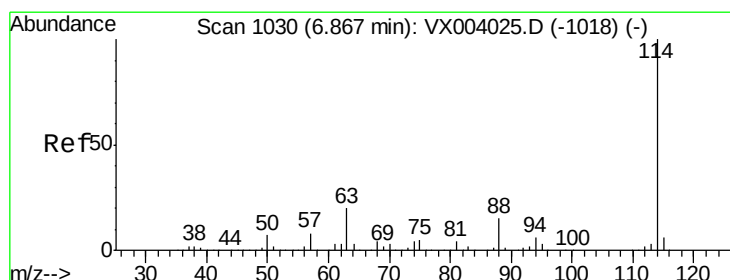
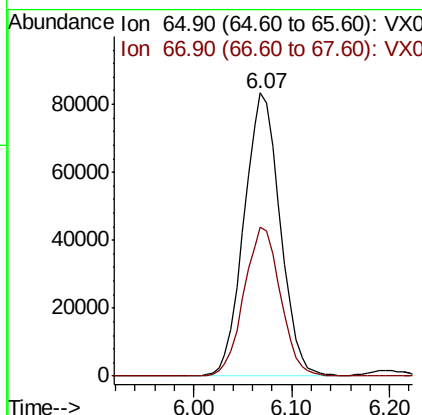
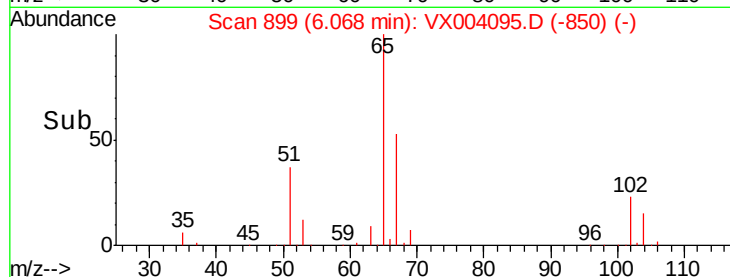
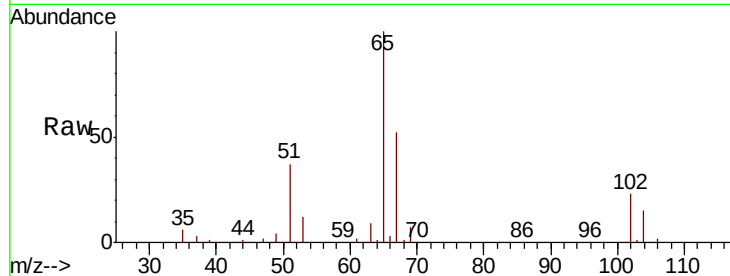
#33
 1,2-Dichloroethane-d4
 Concen: 53.27 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213466		
67	53.2	0.0	105.8	

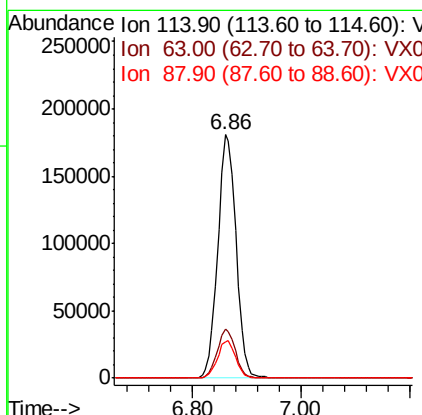
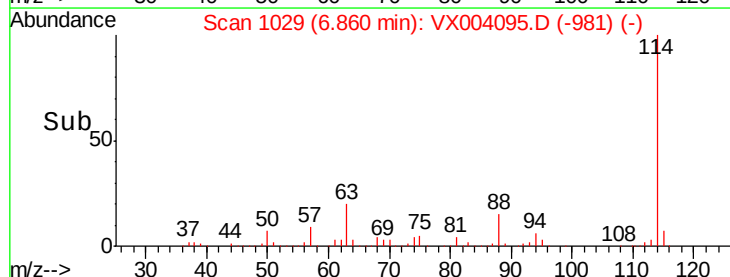
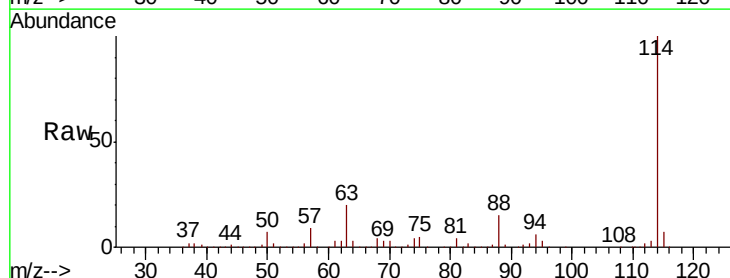
Manual Integrations
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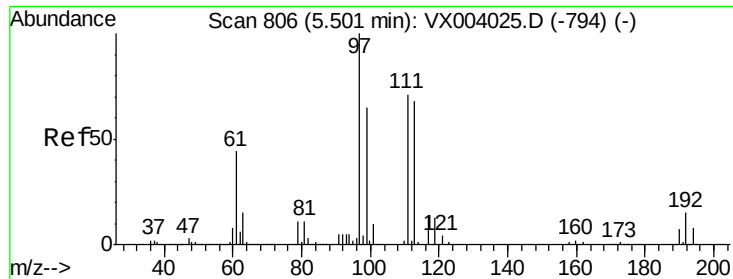
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 8/16/2018 4:40:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422267		
63	19.9	0.0	39.0	
88	15.1	0.0	32.0	





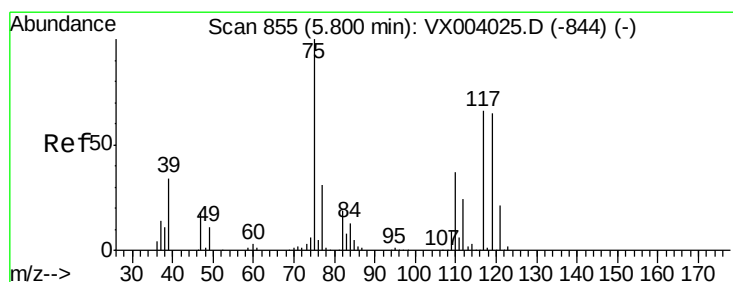
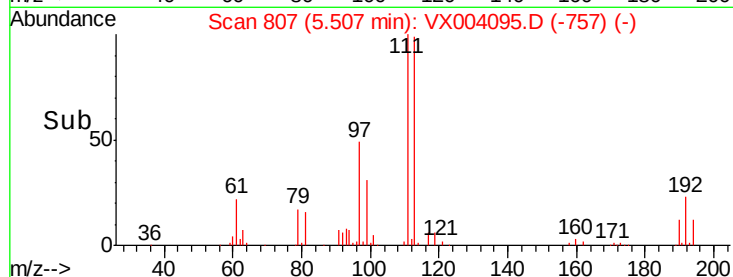
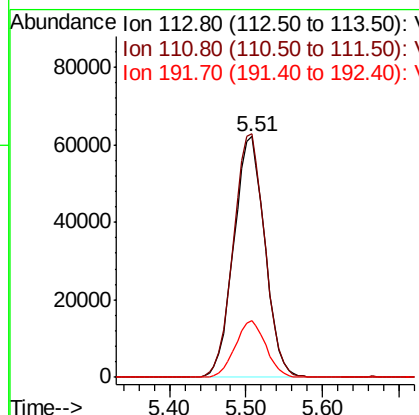
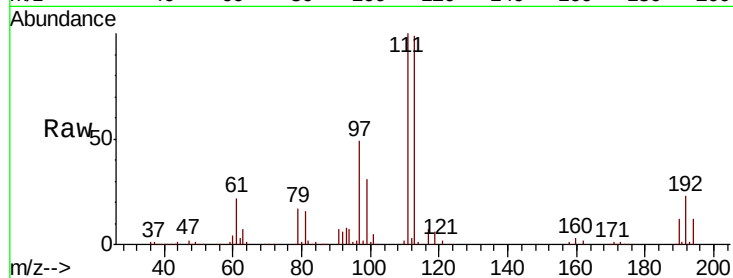
#35
 Dibromofluoromethane
 Concen: 55.25 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174602		
111	102.3	82.0	123.0	
192	23.2	19.0	28.4	

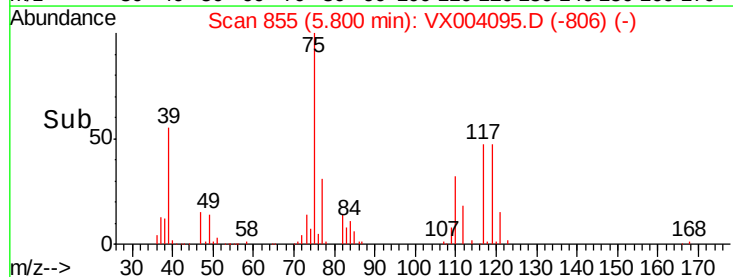
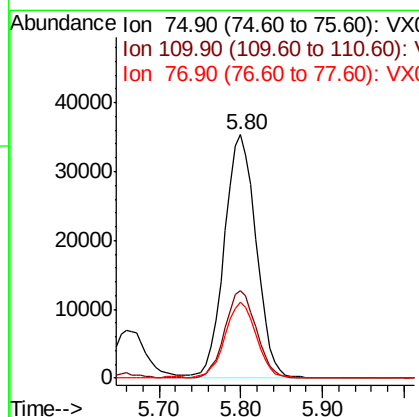
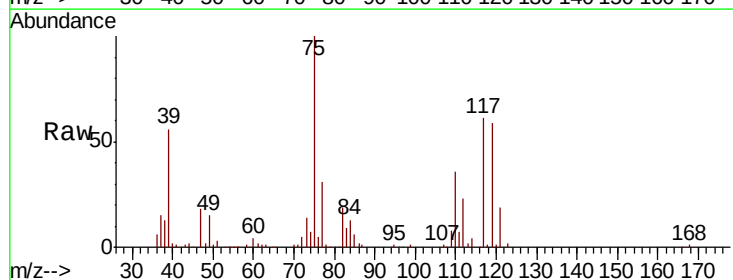
Manual Integrations
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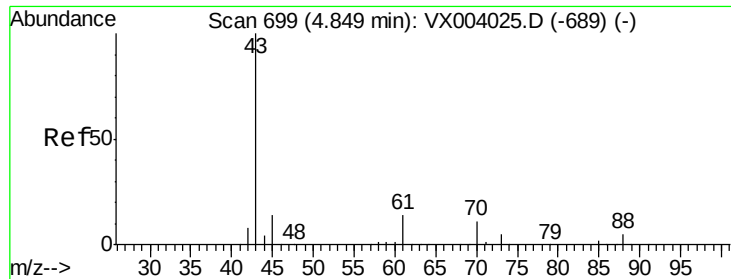
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#36
 1,1-Dichloropropene
 Concen: 19.78 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95036		
110	35.6	18.2	54.6	
77	31.1	25.0	37.4	





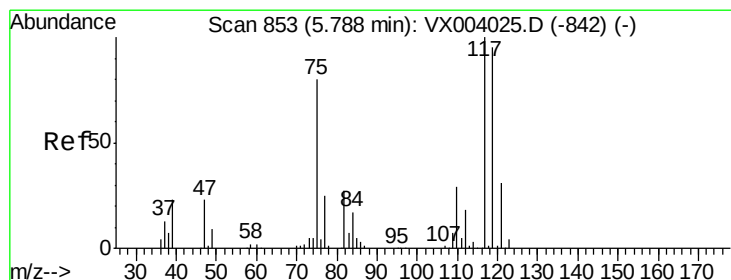
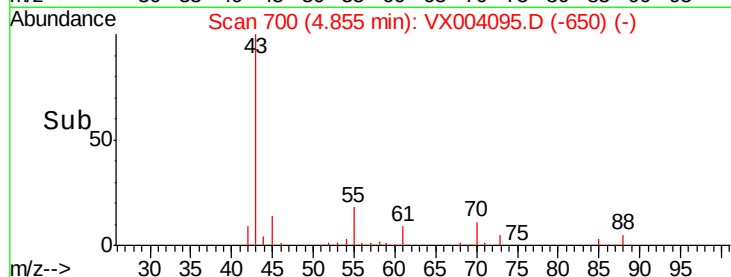
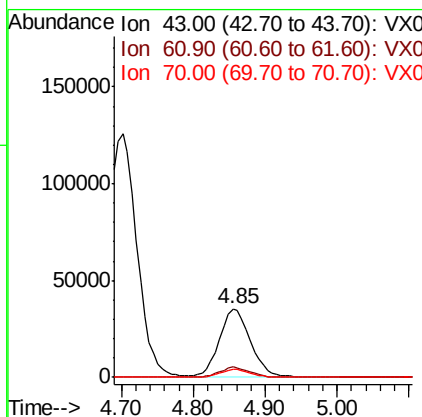
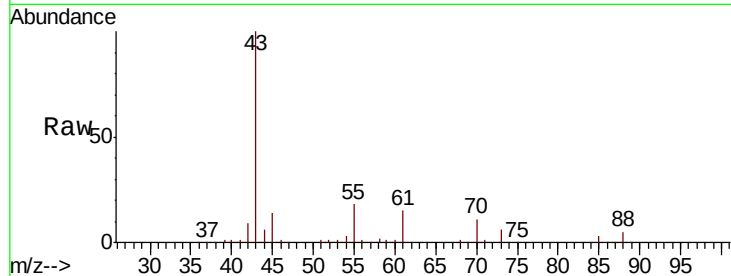
#37
Ethyl Acetate
Concen: 20.24 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.2	9.0	13.4

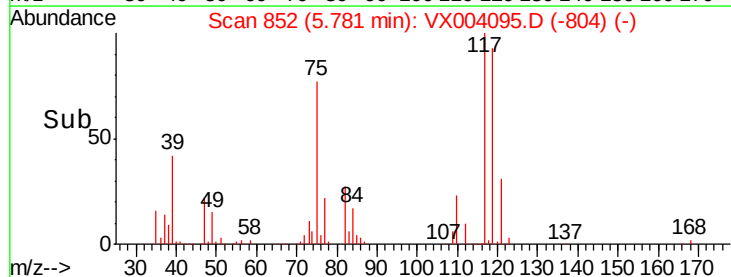
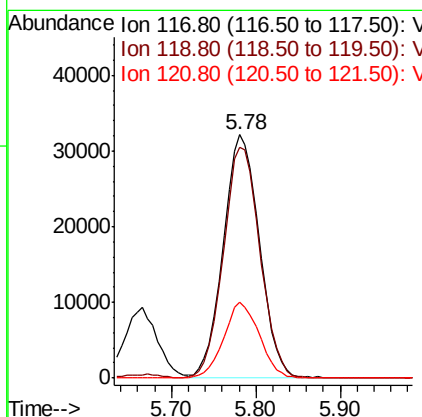
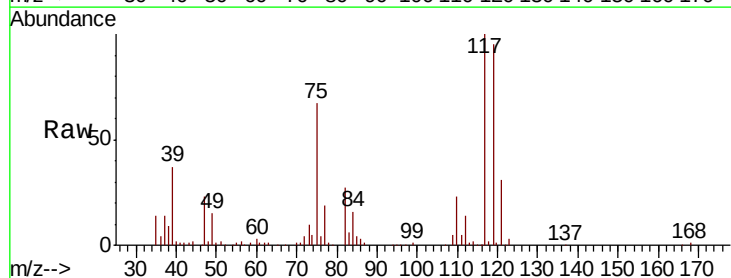
Manual Integrations
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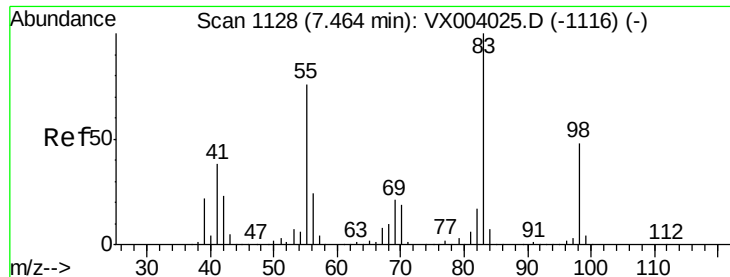
MMDadoda
8/16/2018 4:40:07 PM



#38
Carbon Tetrachloride
Concen: 20.08 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	79.5	119.3
121	31.4	25.0	37.4





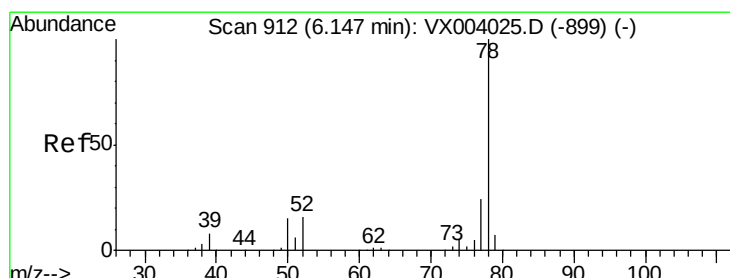
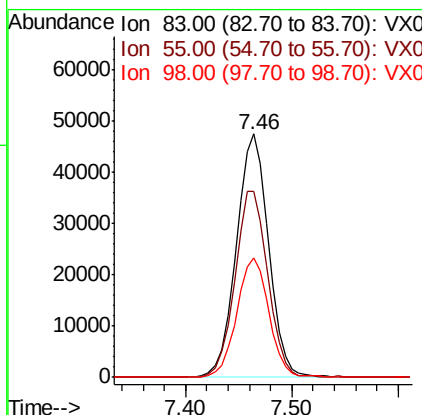
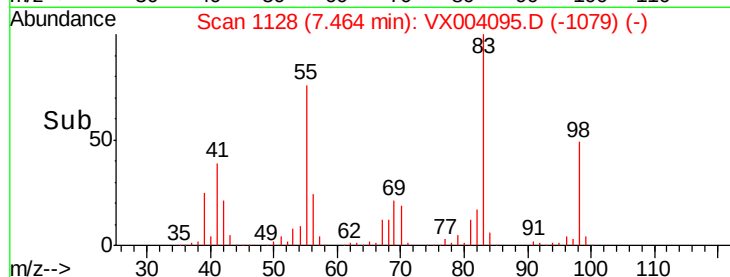
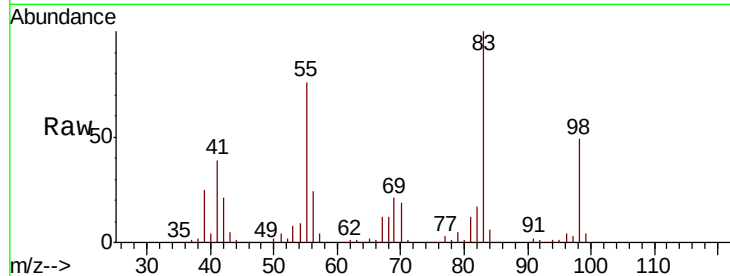
#39
Methylvlcyclohexane
Concen: 18.53 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.0	91.6
98	49.2	38.6	57.8

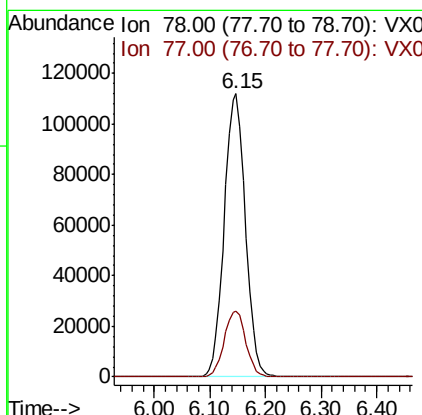
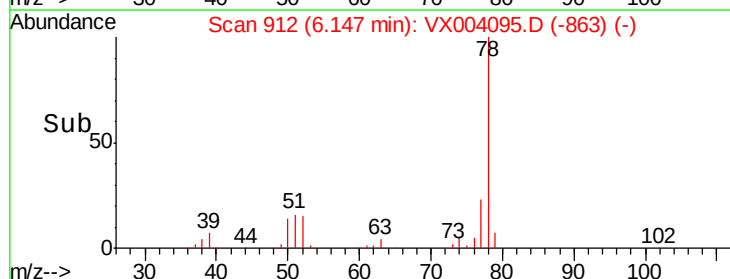
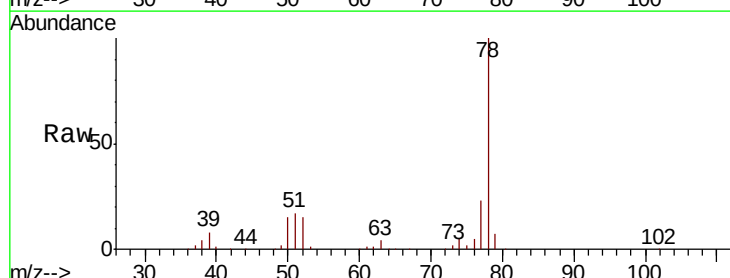
Manual Integrations
APPROVED

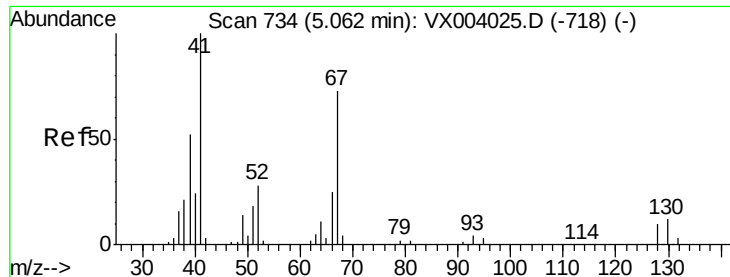
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#40
Benzene
Concen: 20.44 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





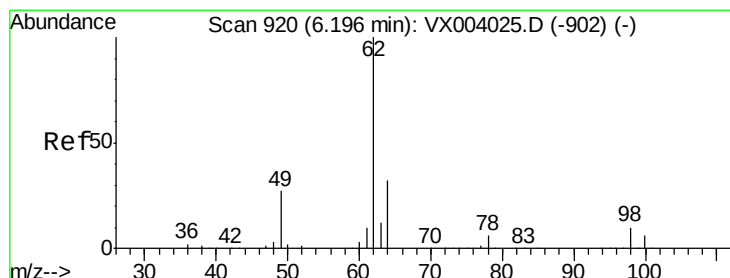
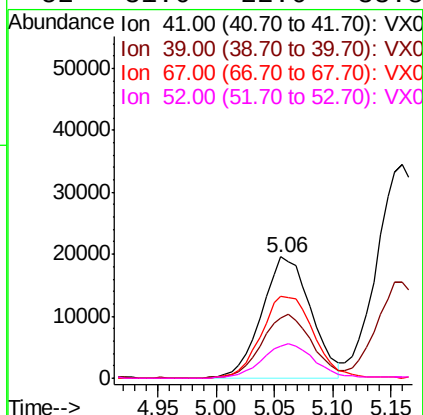
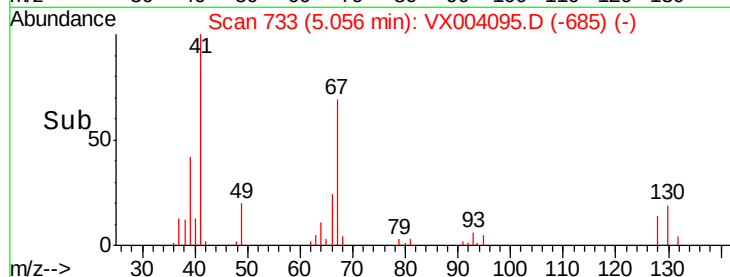
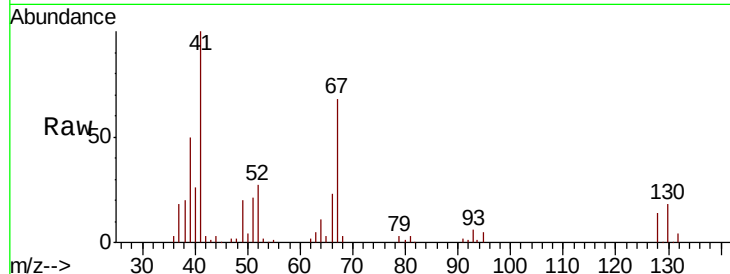
#41
Methacrylonitrile
Concen: 19.56 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	42.7	64.1	
67	72.1	58.9	88.3	
52	31.6	22.6	33.8	

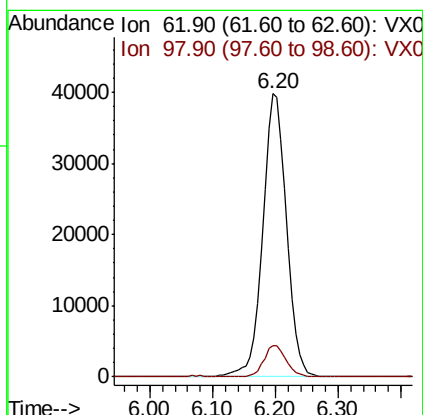
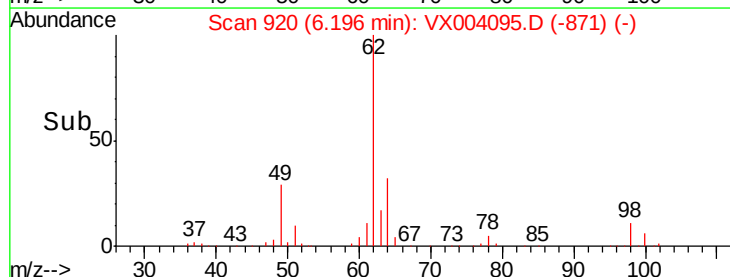
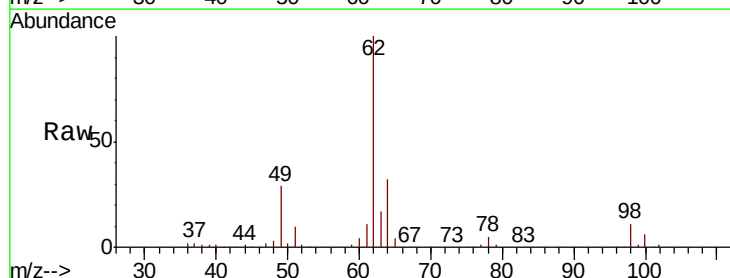
Manual Integrations
APPROVED

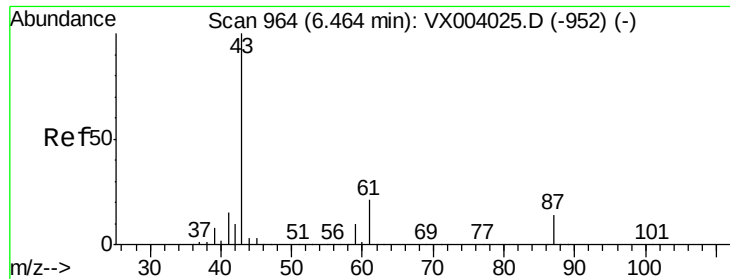
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.62 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





#43

Isopropyl Acetate

Concen: 19.80 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

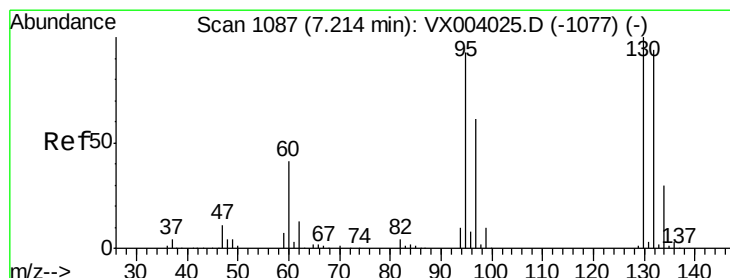
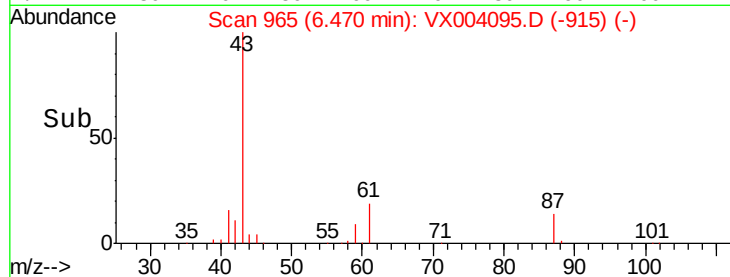
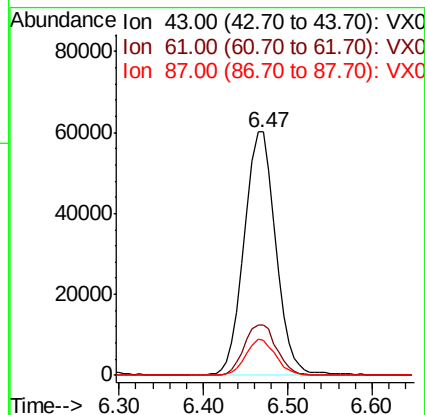
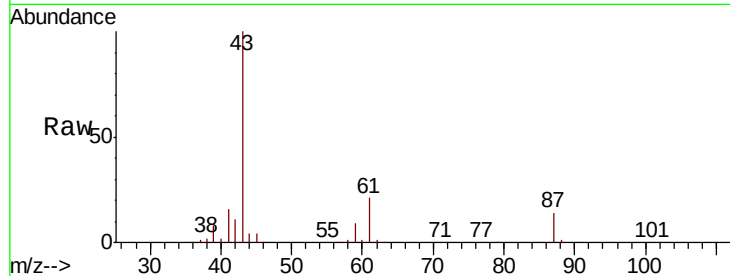
ClientSampleId :

VX0815WBS02

Tot Ion:	43	Resp:	152701
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 19.54 ug/l

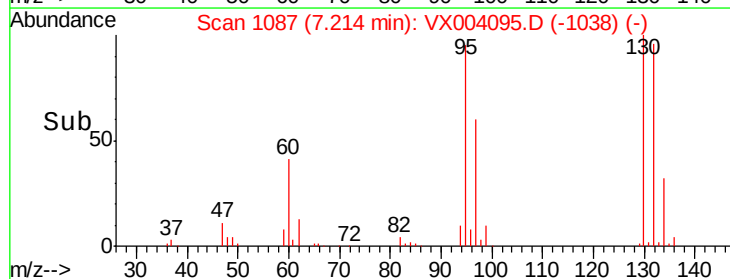
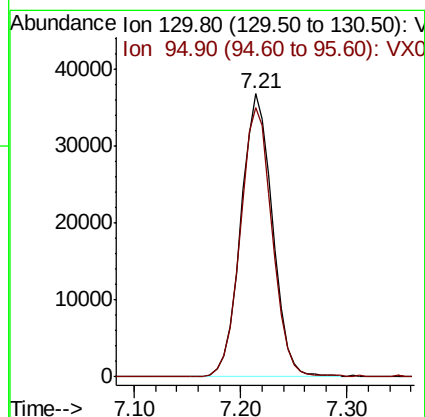
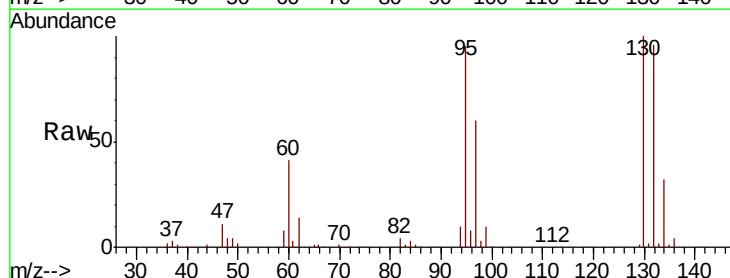
RT: 7.21 min Scan# 1087

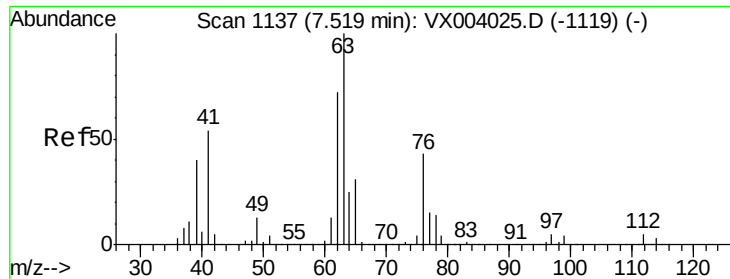
Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion:	130	Resp:	76527
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	199.4





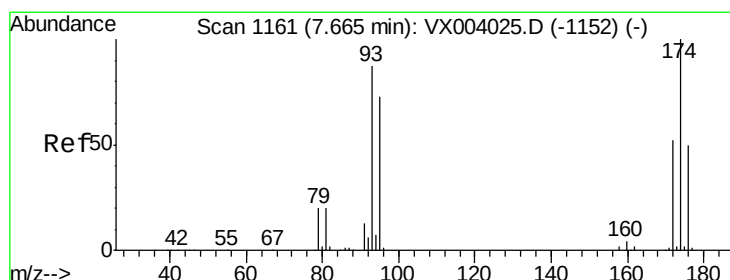
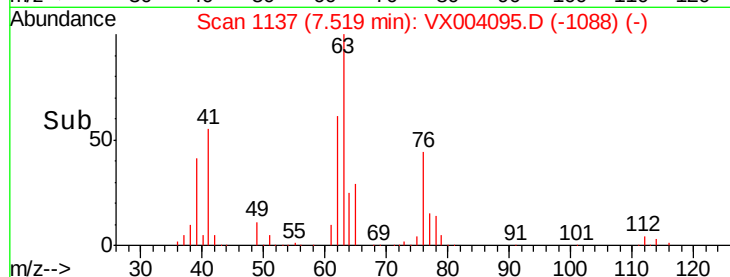
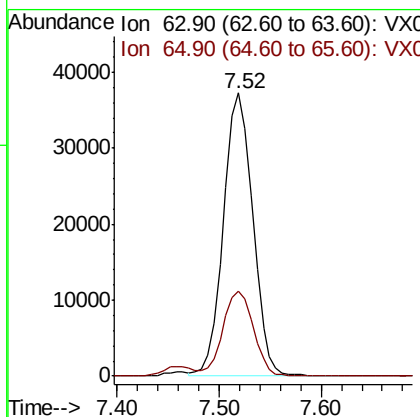
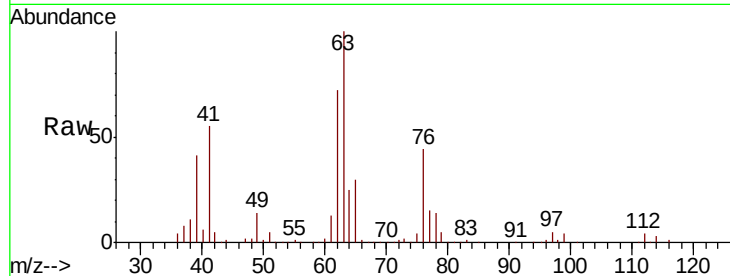
#45
 1,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion: 63 Resp: 74703
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 36.8

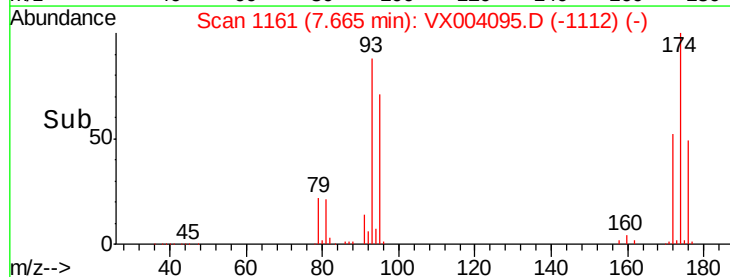
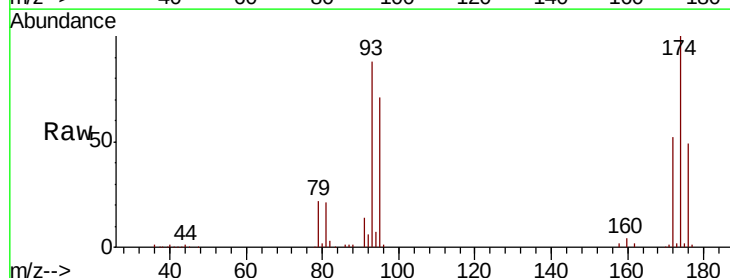
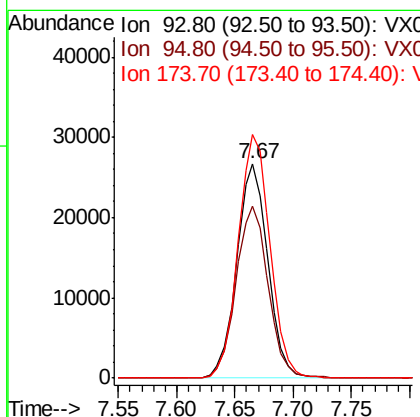
Manual Integrations
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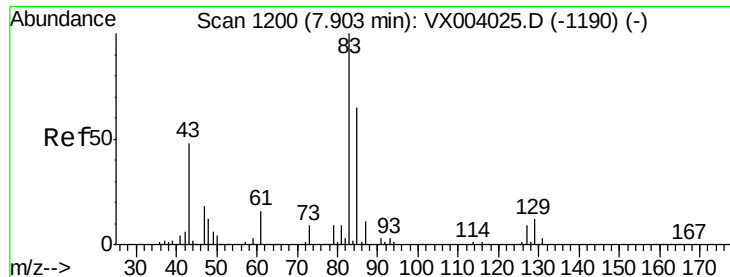
MMDadoda
 8/16/2018 4:40:07 PM



#46
 Dibromomethane
 Concen: 20.57 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion: 93 Resp: 49664
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.4 99.6
 174 116.4 94.3 141.5





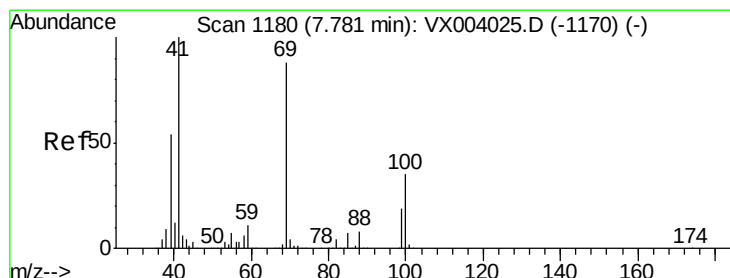
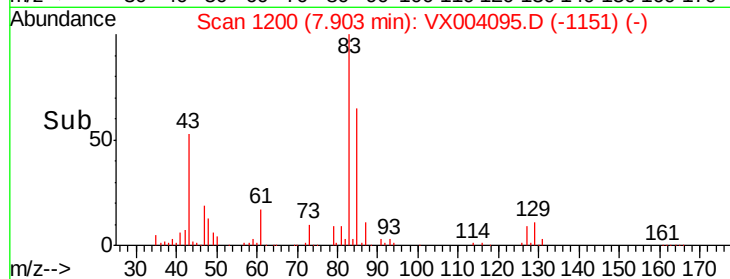
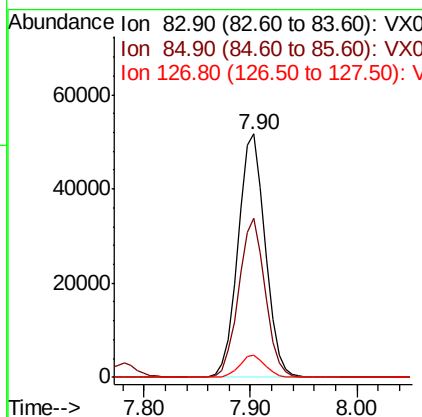
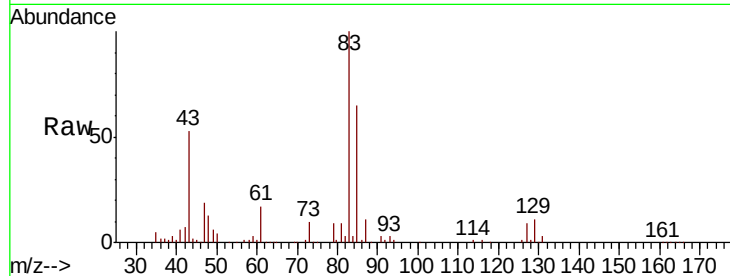
#47
 Bromodichloromethane
 Concen: 20.34 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	83	Resp	92968
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.2	76.8
127	8.9	7.2	10.8

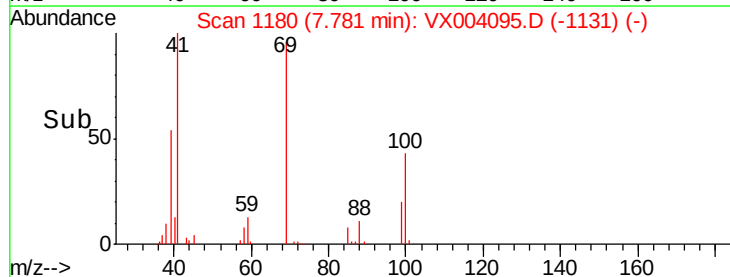
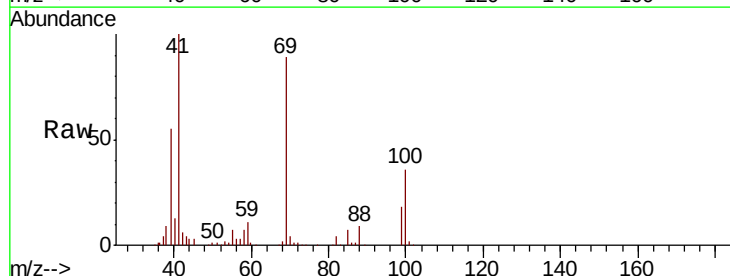
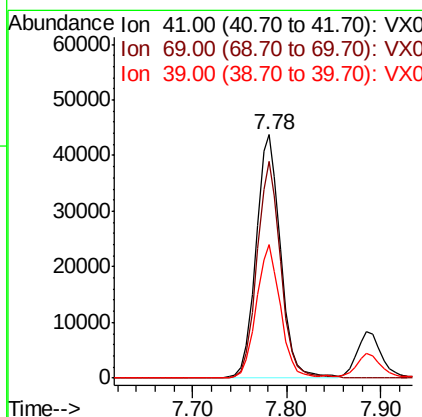
Manual Integrations
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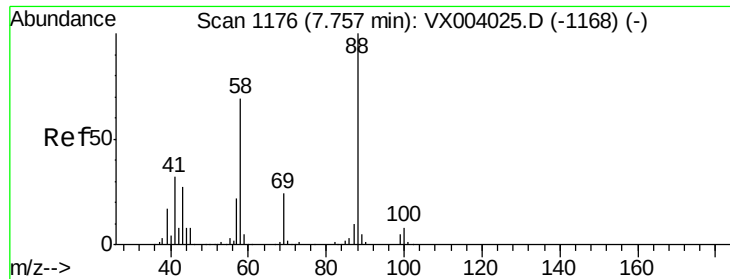
MMDadoda
 8/16/2018 4:40:07 PM



#48
 Methyl methacrylate
 Concen: 20.58 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	41	Resp	79900
Ion Ratio	100	Lower	Upper
41	100		
69	86.7	68.8	103.2
39	54.7	42.3	63.5





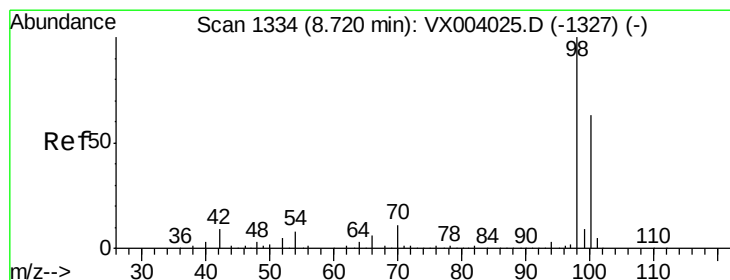
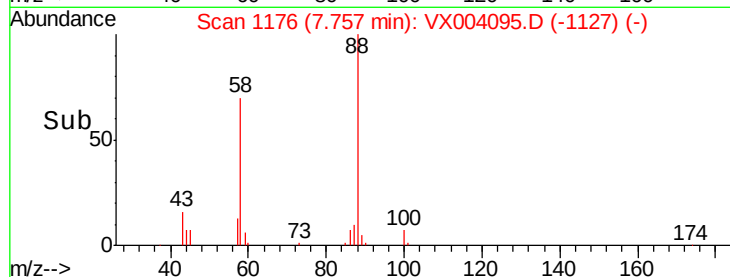
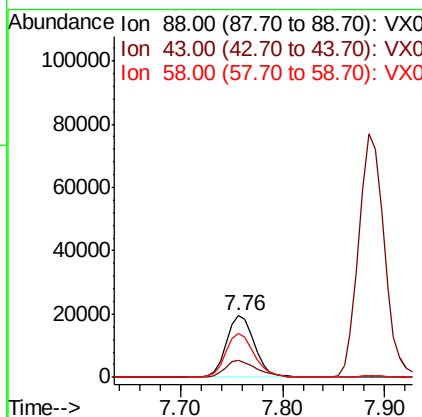
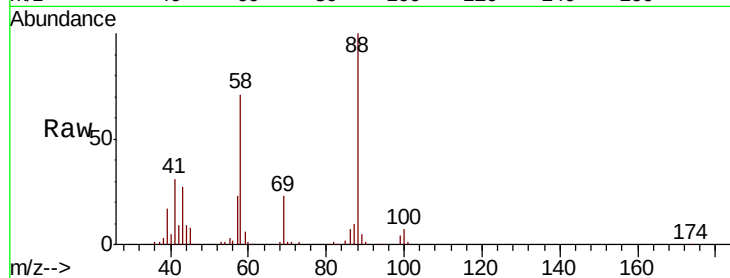
#49
1,4-Dioxane
Concen: 426.46 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.8	35.8
58	72.3	55.4	83.0

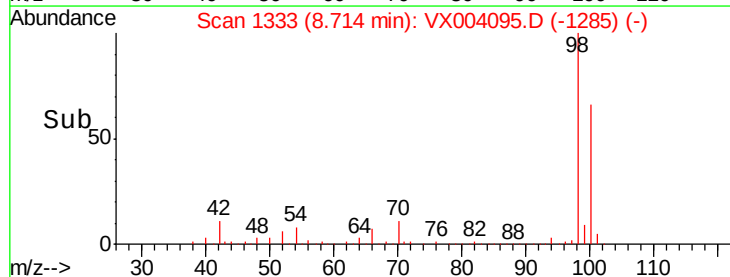
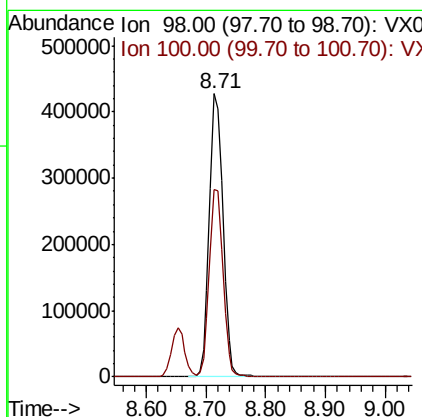
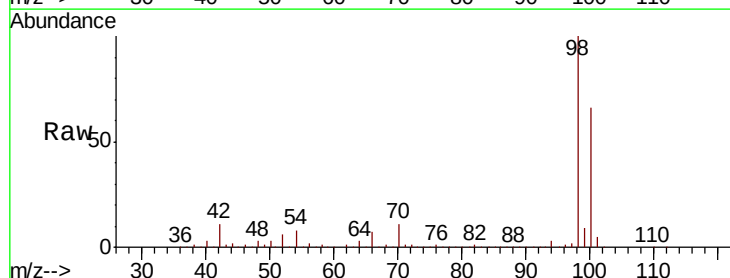
Manual Integrations
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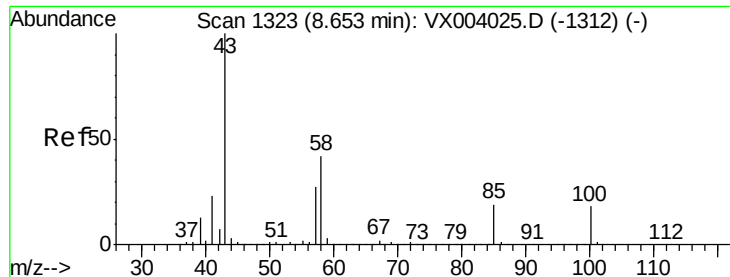
MMDadoda
8/16/2018 4:40:07 PM



#50
Toluene-d8
Concen: 52.49 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





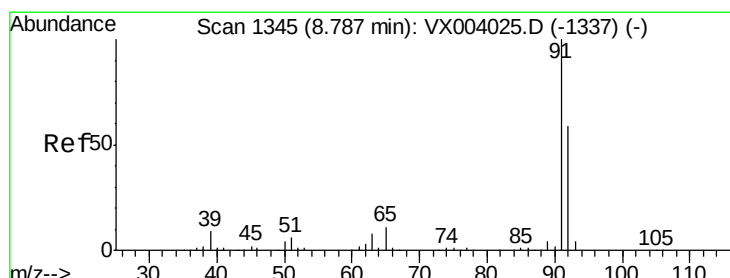
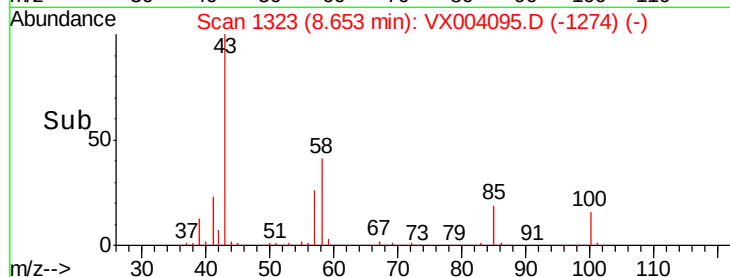
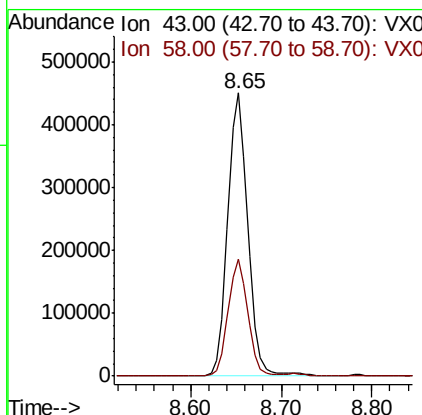
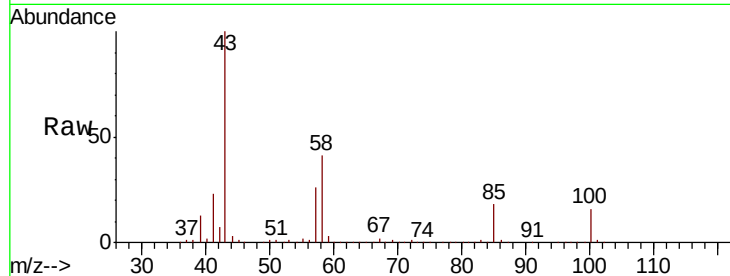
#51
4-Methyl-2-Pentanone
Concen: 109.71 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	33.0	49.6

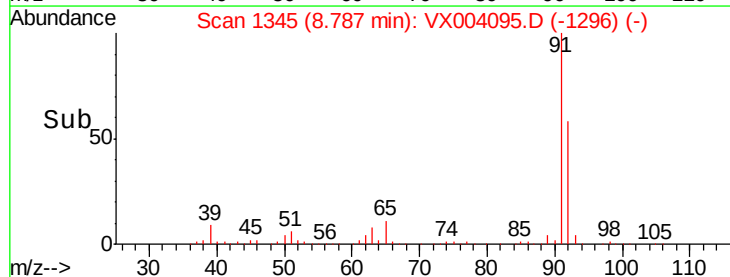
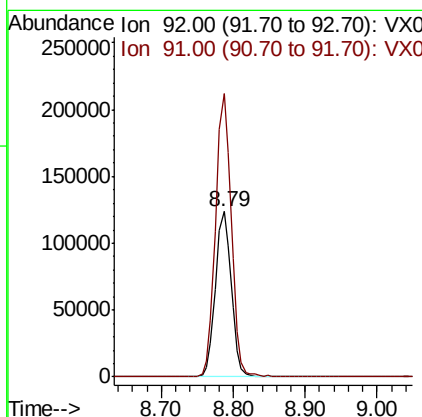
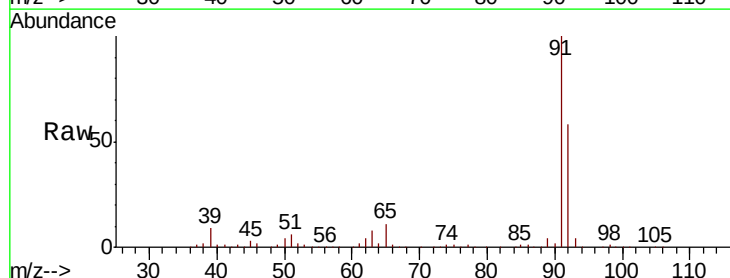
Manual Integrations
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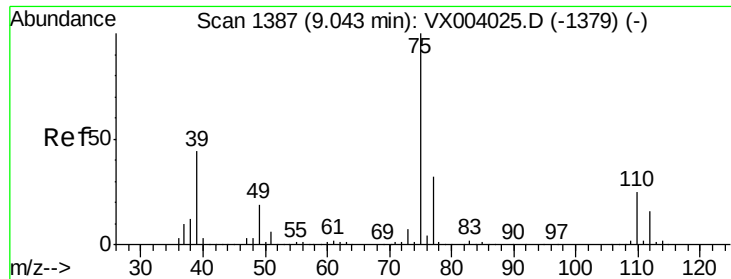
MMDadoda
8/16/2018 4:40:07 PM



#52
Toluene
Concen: 20.77 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	136.1	204.1





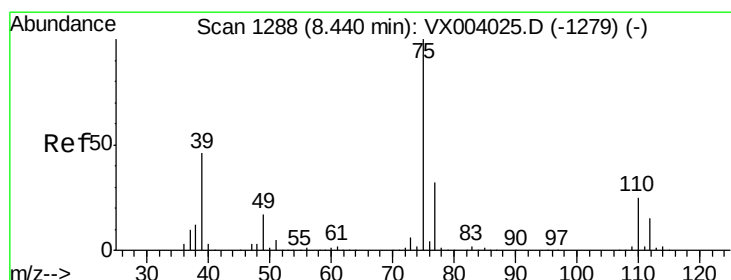
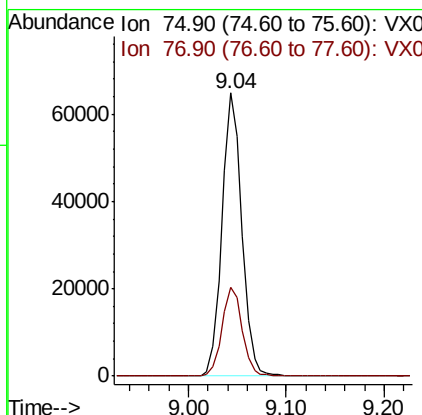
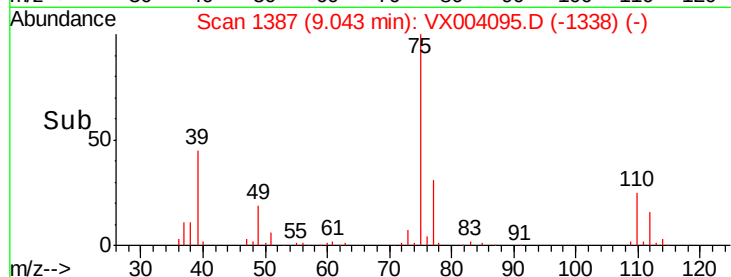
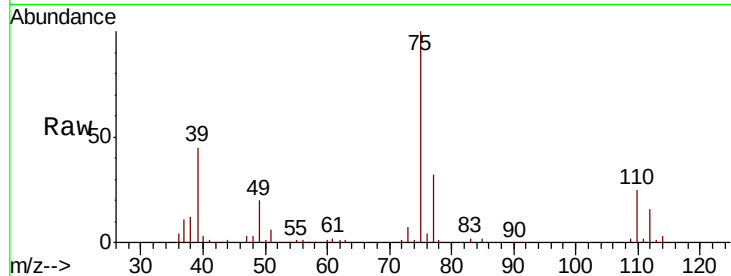
#53
 t-1,3-Dichloropropene
 Concen: 18.44 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion: 75 Resp: 91074
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7

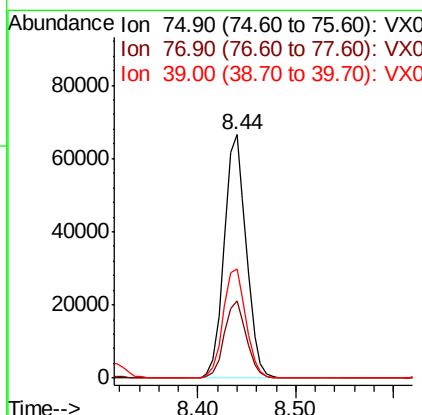
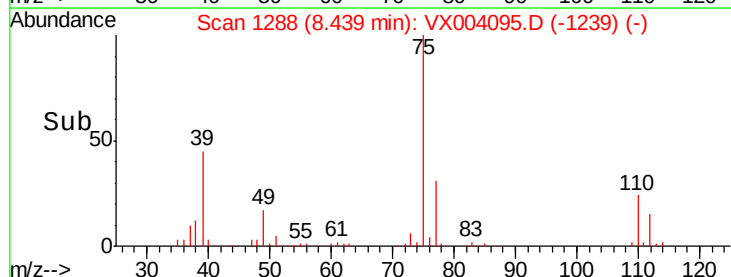
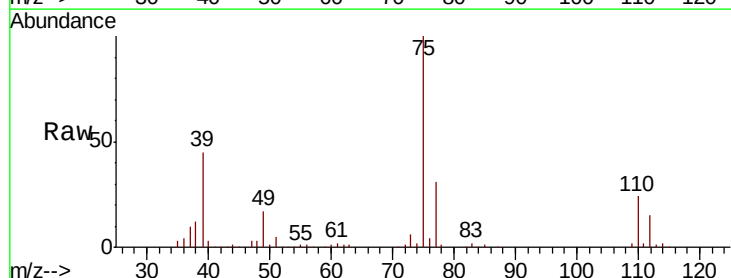
Manual Integrations
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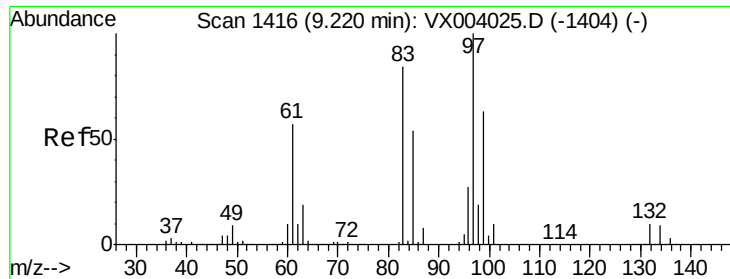
MMDadoda
 8/16/2018 4:40:07 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.05 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion: 75 Resp: 104193
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.3 37.9
 39 44.6 36.2 54.2





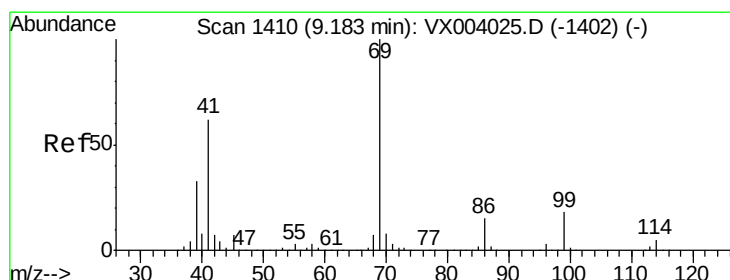
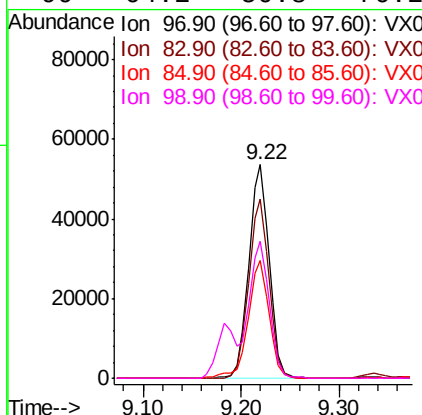
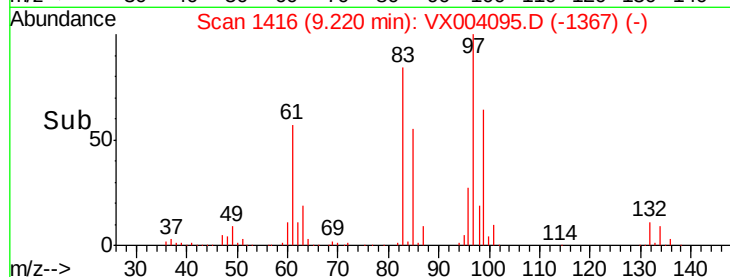
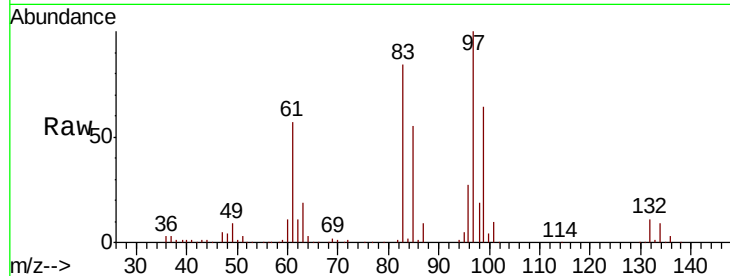
#55
 1,1,2-Trichloroethane
 Concen: 20.55 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	84.1	67.8	101.6		
85	55.2	44.2	66.2		
99	64.2	50.8	76.2		

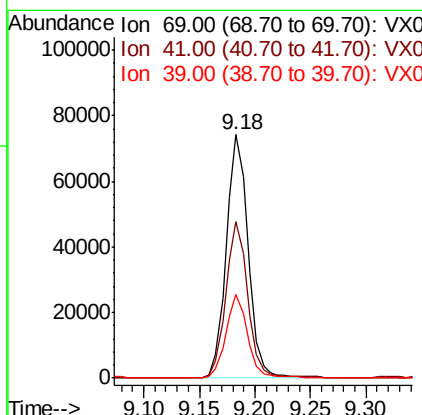
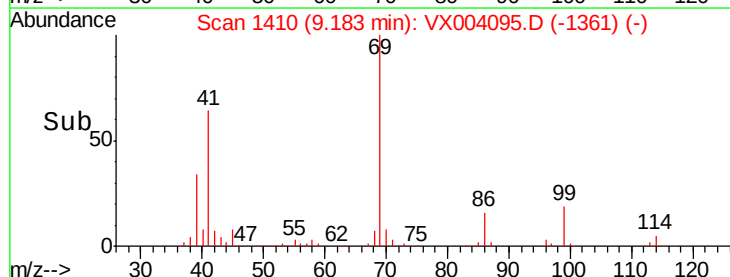
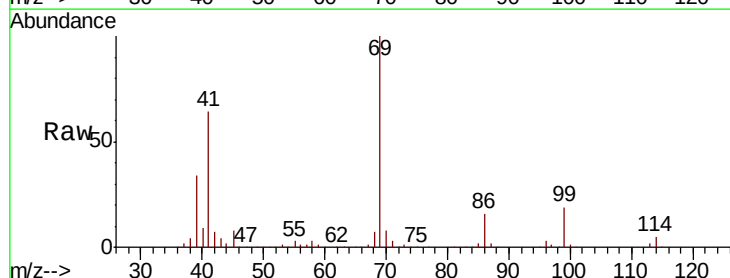
Manual Integrations
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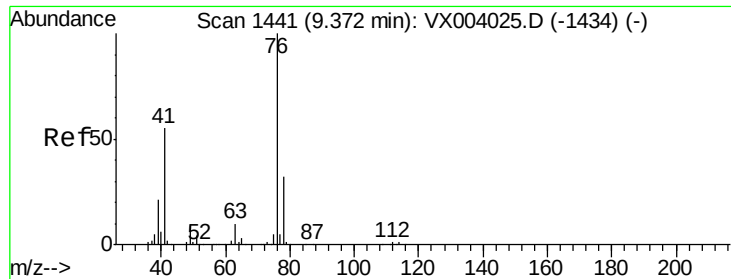
MMDadoda
 8/16/2018 4:40:07 PM



#56
 Ethyl methacrylate
 Concen: 19.76 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	64.1	50.6	76.0		
39	34.0	25.8	38.6		





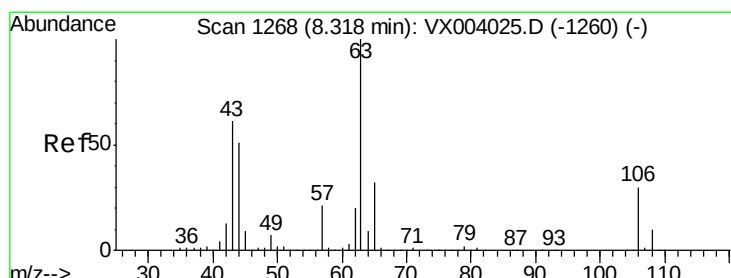
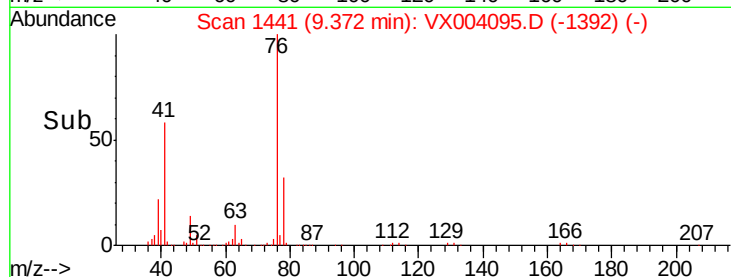
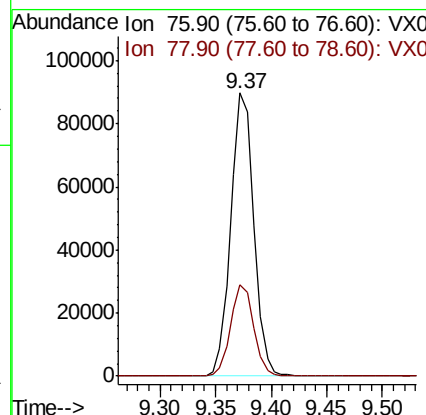
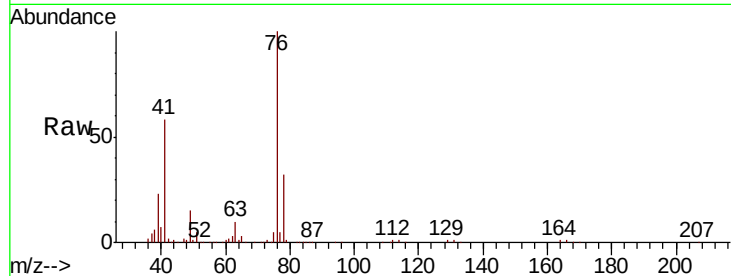
#57
 1,3-Dichloropropane
 Concen: 20.61 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0815WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

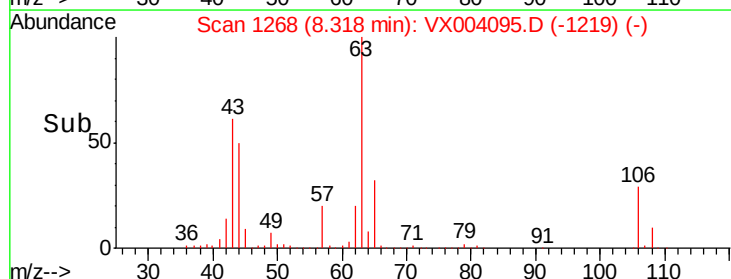
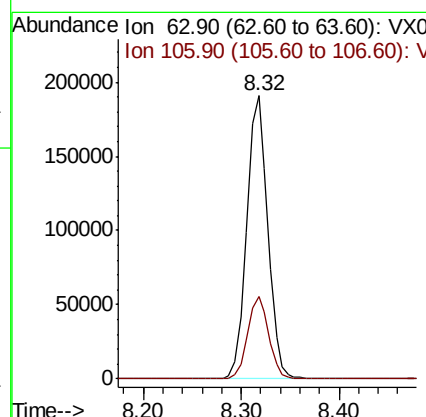
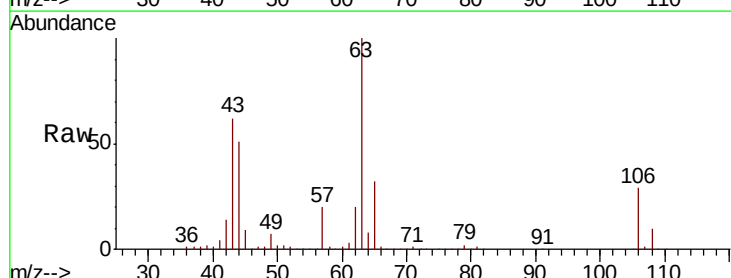
Manual Integrations
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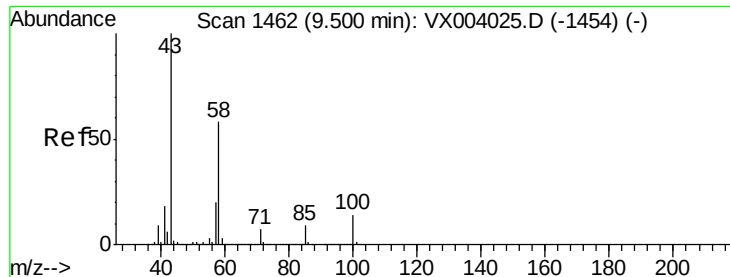
MMDadoda
 8/16/2018 4:40:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.99 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.8	35.8





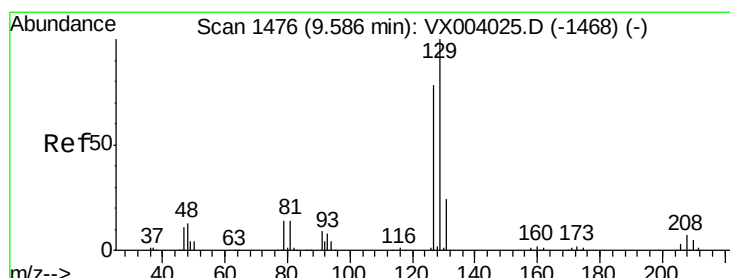
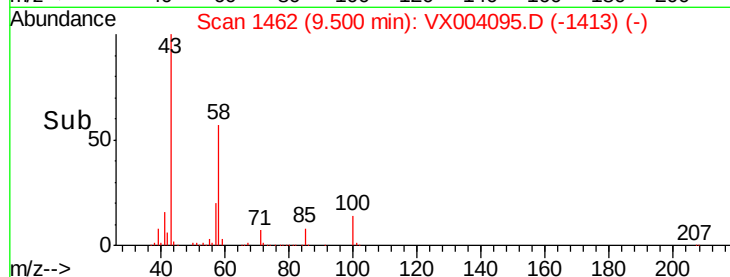
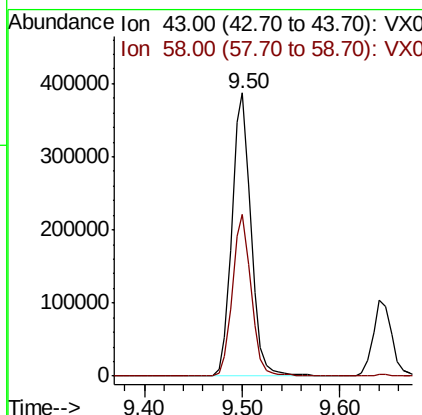
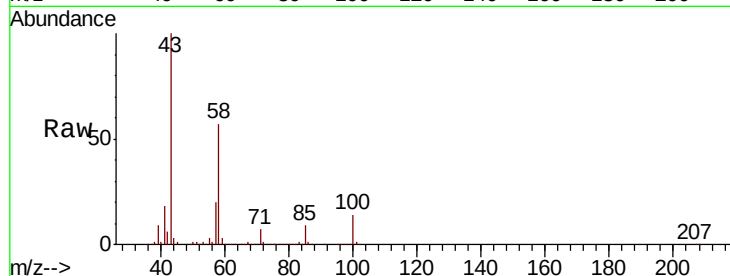
#59
2-Hexanone
Concen: 109.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	43	Resp	522721
Ion Ratio	100	Lower	Upper
43	100		
58	56.6	29.0	87.0

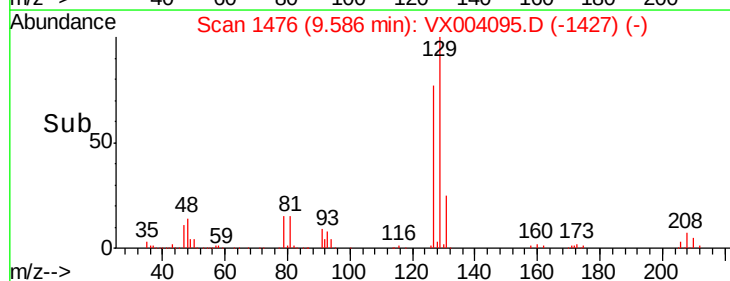
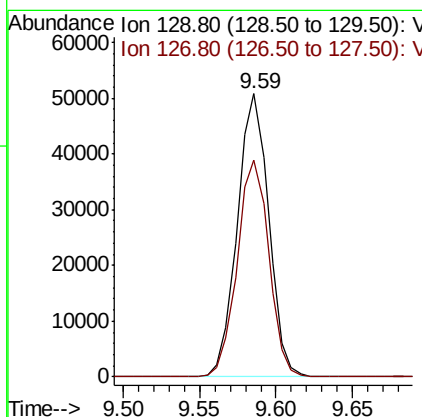
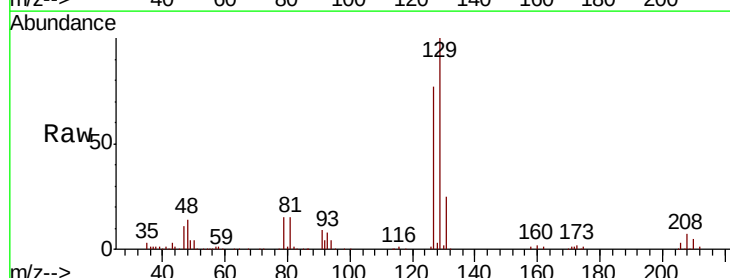
Manual Integrations
APPROVED

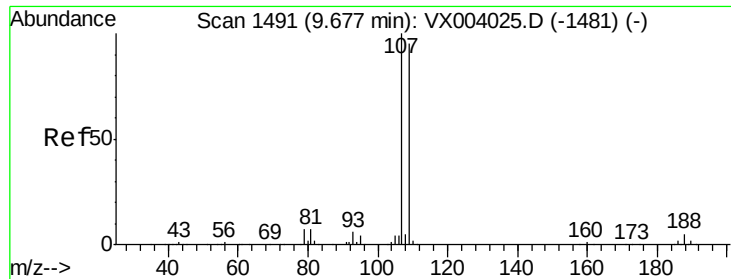
MMDadoda
8/16/2018 4:40:07 PM



#60
Dibromochloromethane
Concen: 19.95 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	129	Resp	72349
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.8	116.3





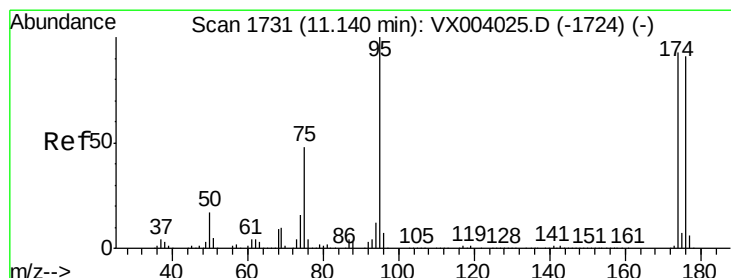
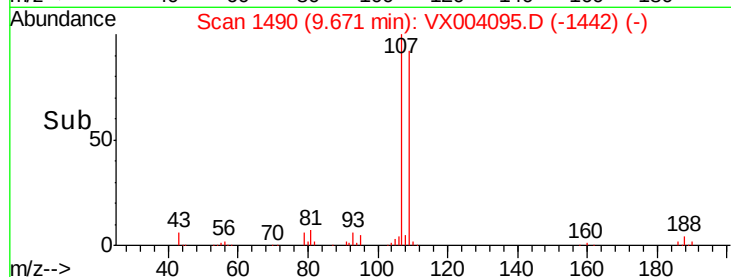
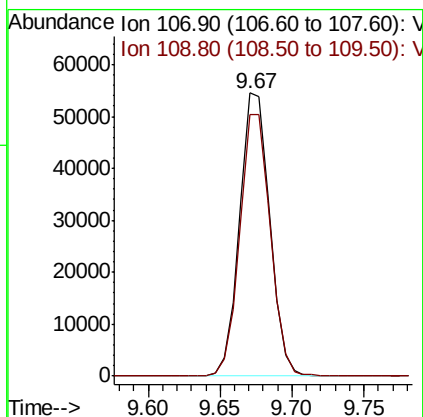
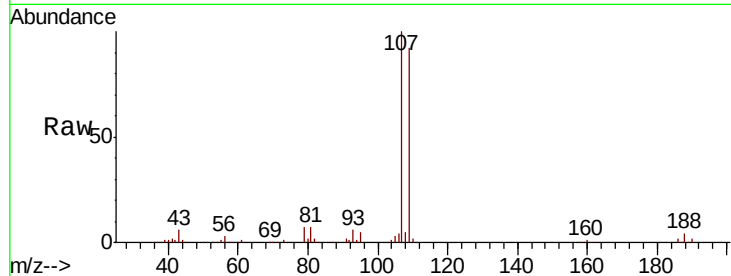
#61
 1,2-Dibromoethane
 Concen: 20.63 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion:107 Resp: 79247
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.8 113.8

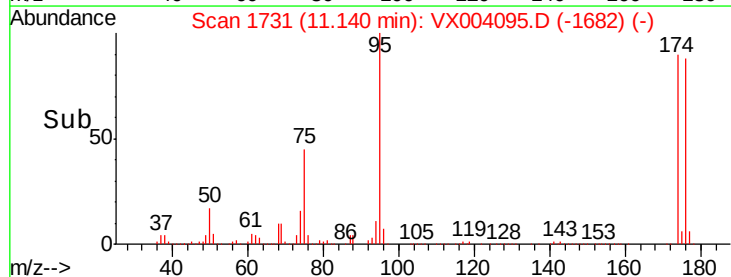
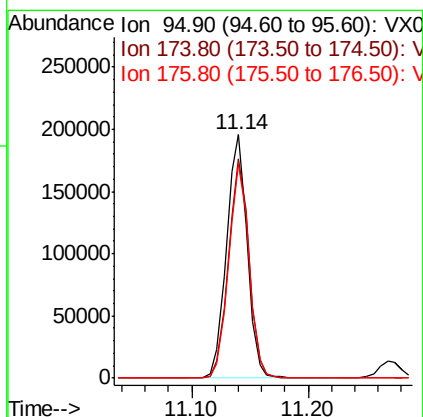
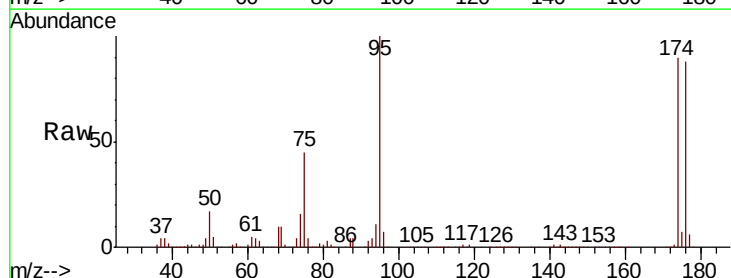
Manual Integrations
 APPROVED

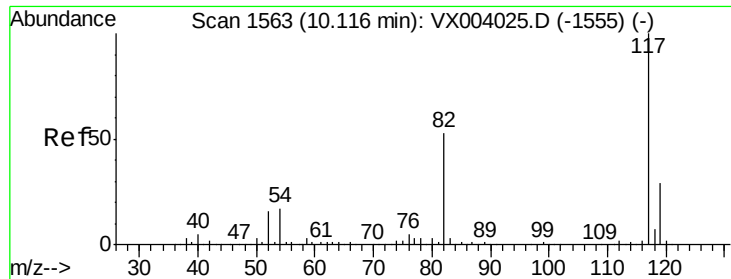
MMDadoda
 8/16/2018 4:40:07 PM



#62
 4-Bromofluorobenzene
 Concen: 51.76 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion: 95 Resp: 240557
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 182.8
 176 87.4 0.0 179.0





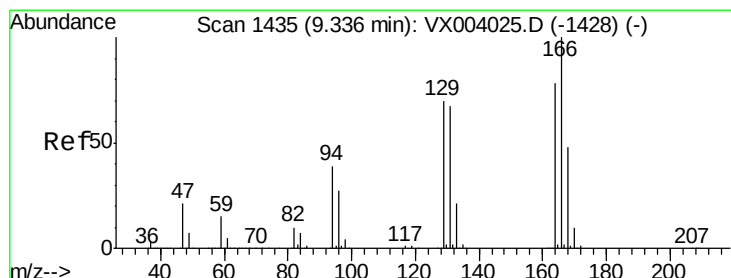
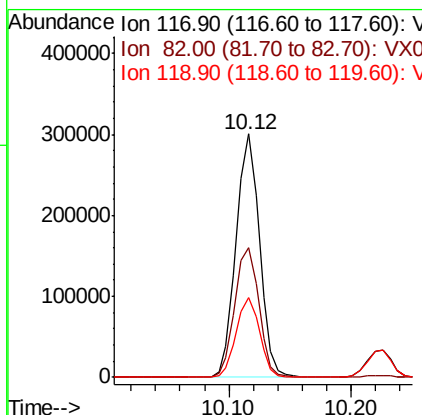
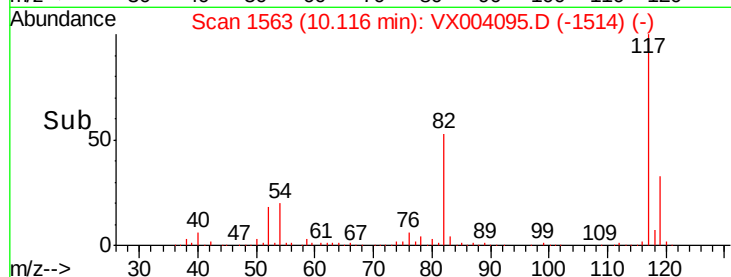
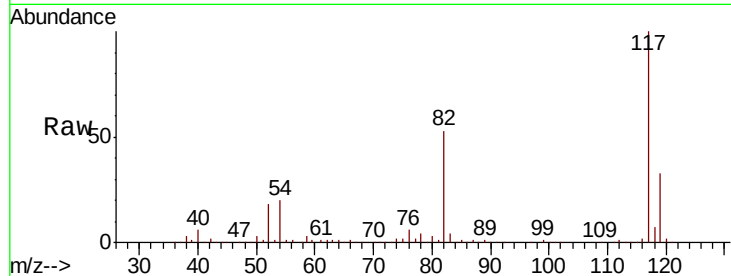
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399934		
82	53.5	45.4	68.0	
119	32.6	26.6	40.0	

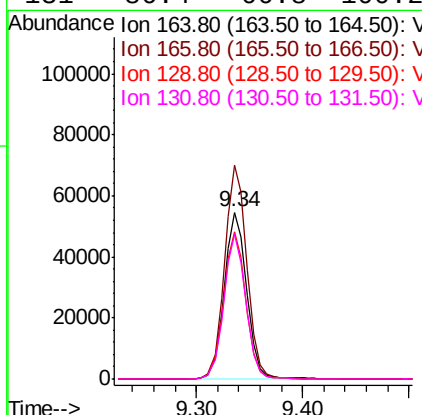
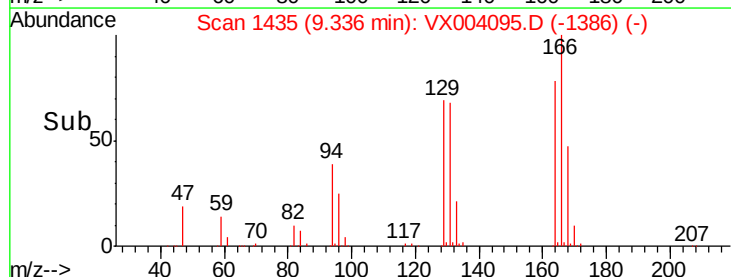
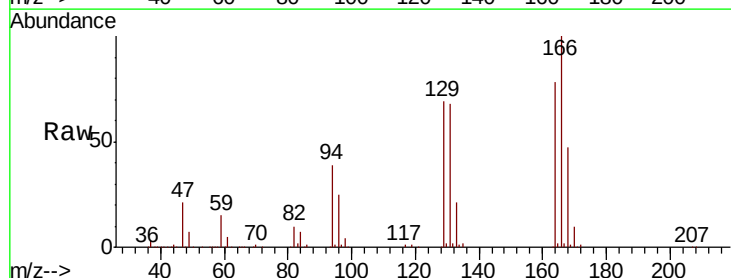
Manual Integrations
APPROVED

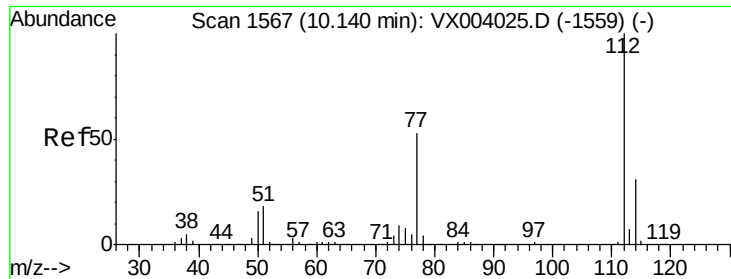
MMDadoda
8/16/2018 4:40:07 PM



#64
Tetrachloroethene
Concen: 21.26 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80573		
166	127.9	98.0	147.0	
129	88.4	64.3	96.5	
131	86.4	66.8	100.2	





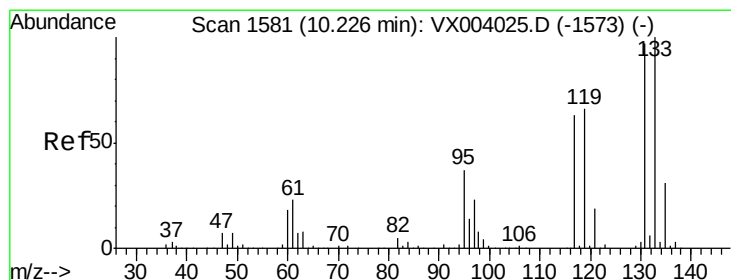
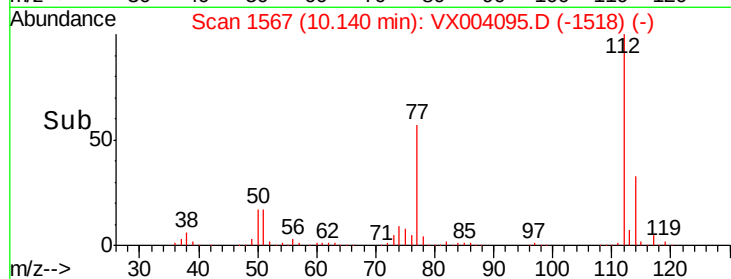
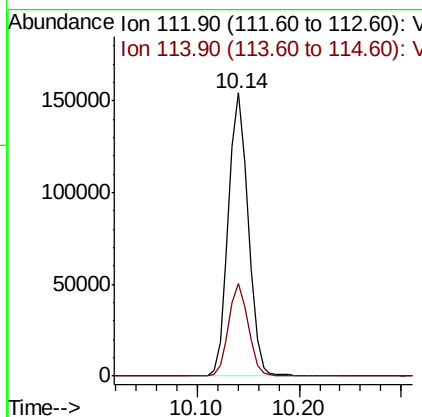
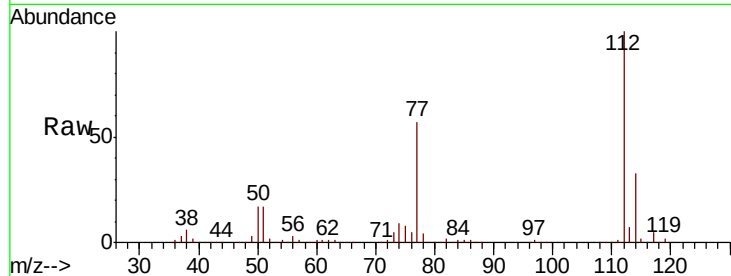
#65
Chlorobenzene
Concen: 20.15 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	23.6	35.4

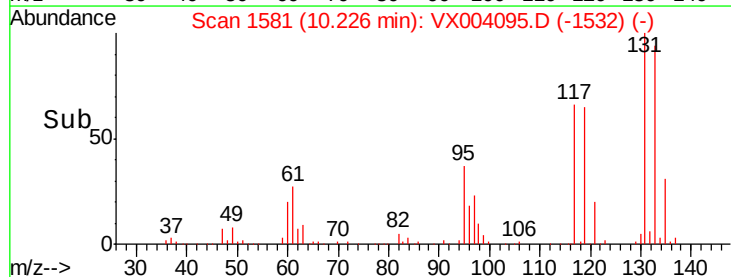
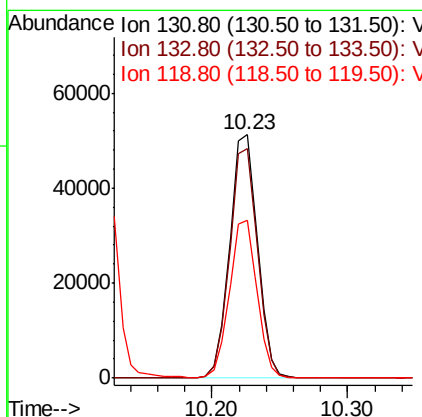
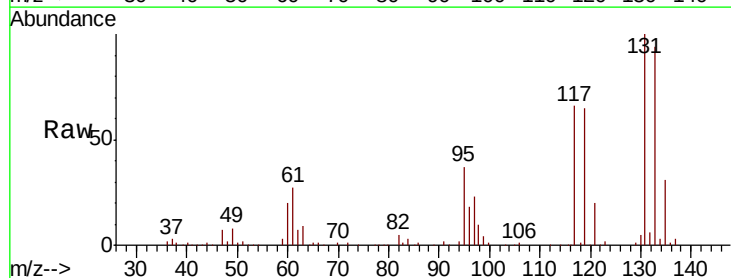
Manual Integrations
APPROVED

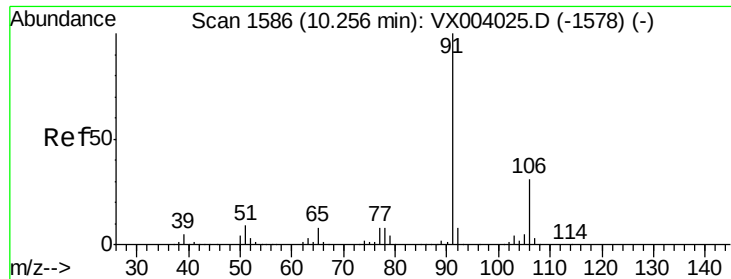
MMDadoda
8/16/2018 4:40:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.63 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.8
119	64.7	31.6	94.8





#67

Ethyl Benzene

Concen: 20.20 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 91 Resp: 330406

Ion Ratio Lower Upper

91 100

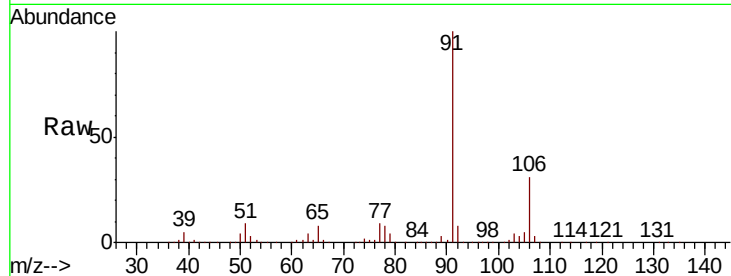
106 30.7 25.9 38.9

Manual Integrations

APPROVED

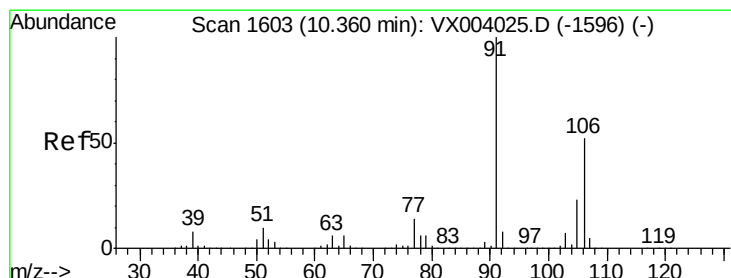
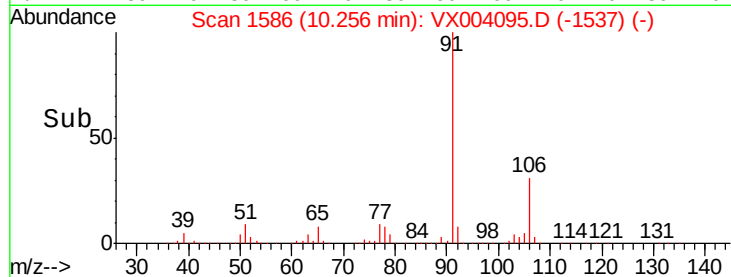
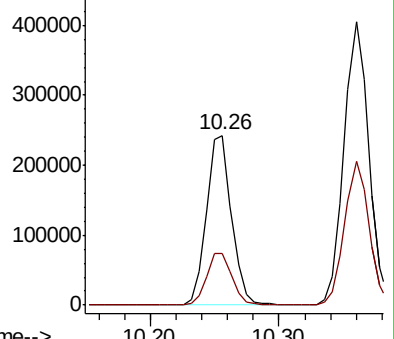
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.25 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004095.D

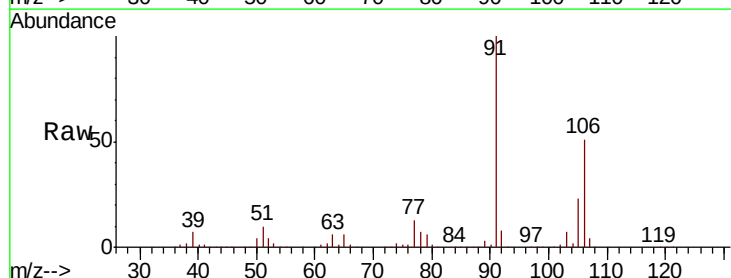
Acq: 16 Aug 2018 02:14

Tgt Ion:106 Resp: 270661

Ion Ratio Lower Upper

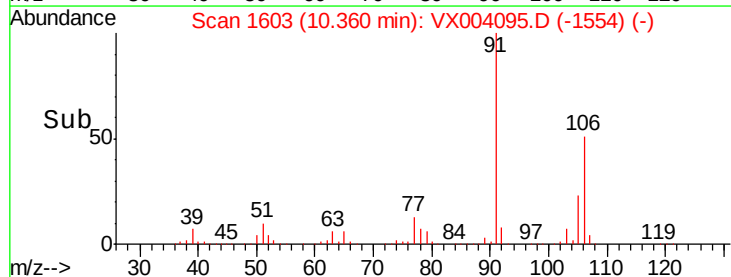
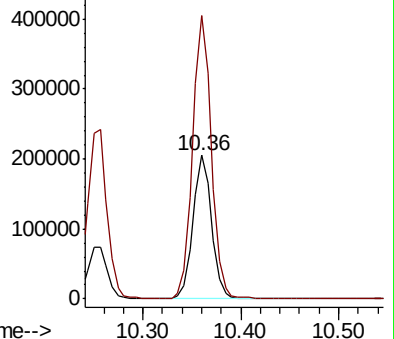
106 100

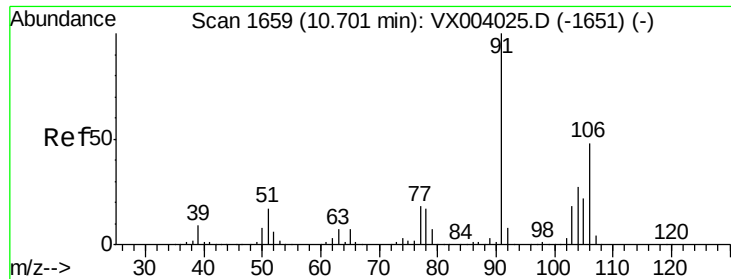
91 198.9 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





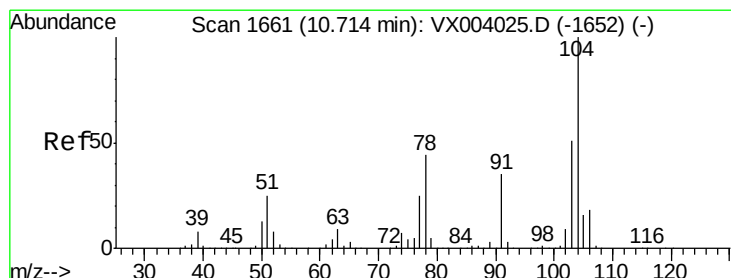
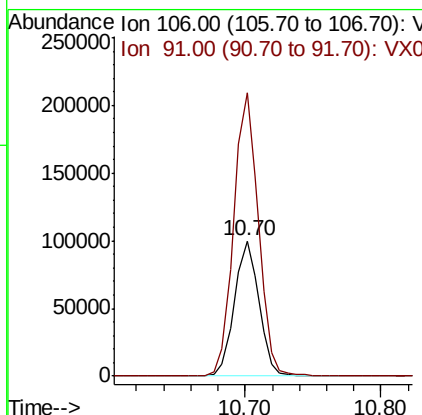
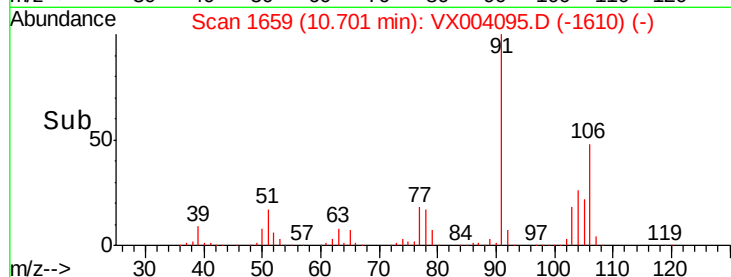
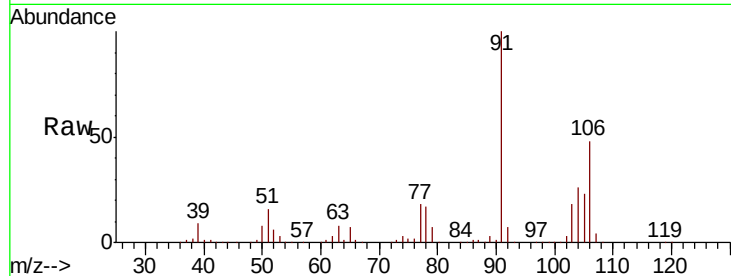
#69
o-Xylene
Concen: 20.58 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.7	101.9	305.7

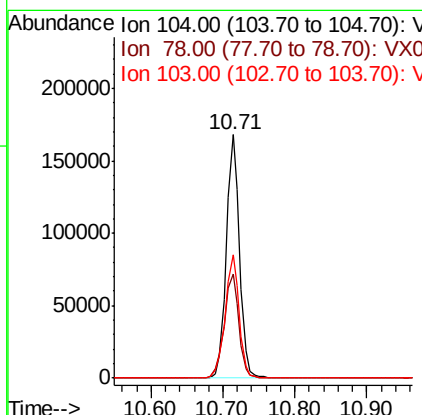
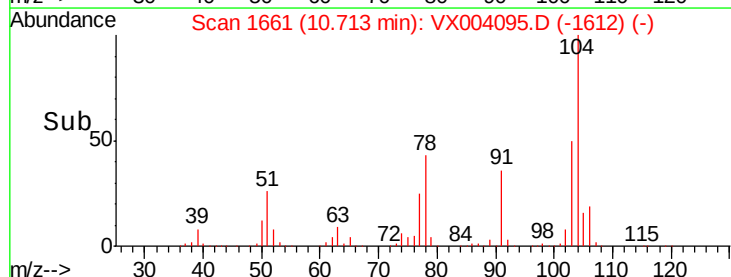
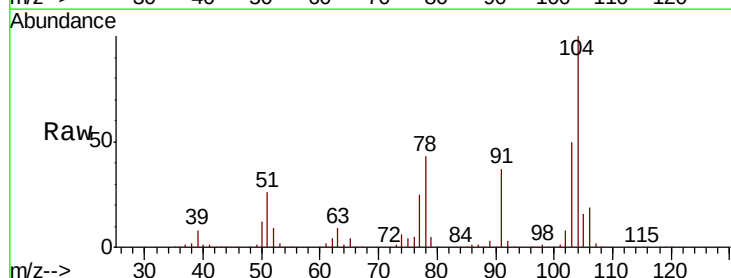
Manual Integrations
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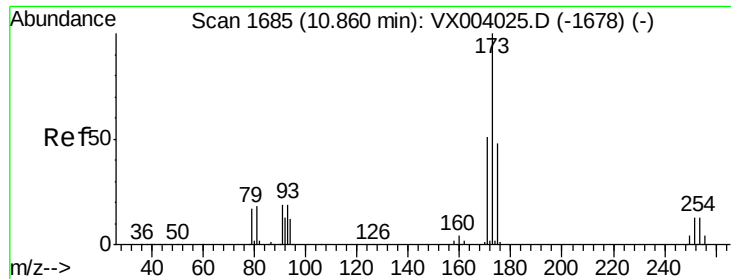
MMDadoda
8/16/2018 4:40:07 PM



#70
Styrene
Concen: 20.96 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.8	59.6
103	53.9	44.3	66.5





#71

Bromoform

Concen: 19.45 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

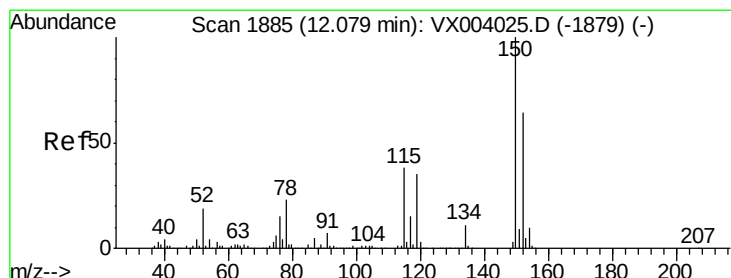
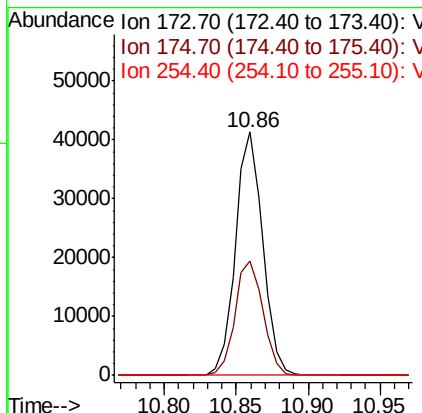
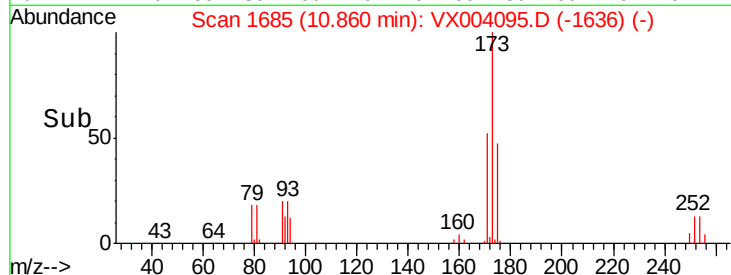
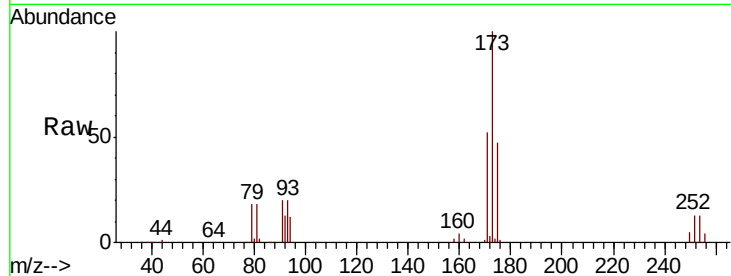
ClientSampleId :

VX0815WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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8/16/2018 4:40:07 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

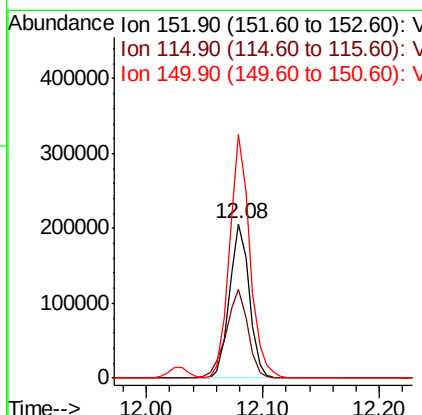
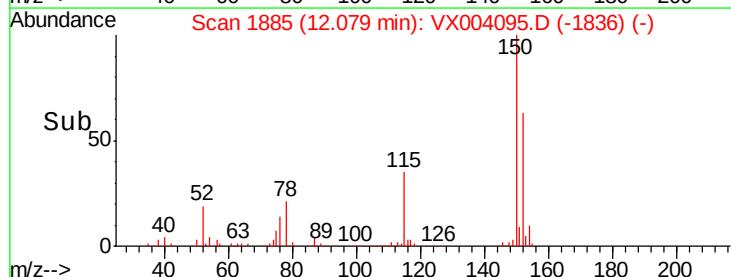
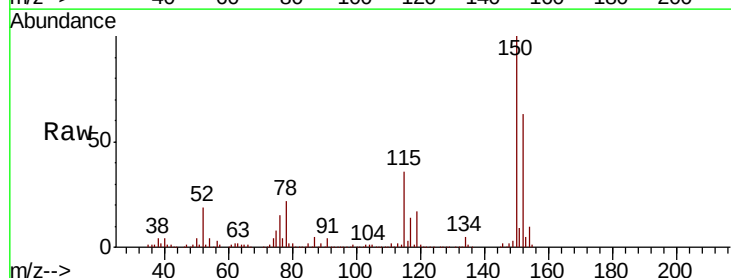
RT: 12.08 min Scan# 1885

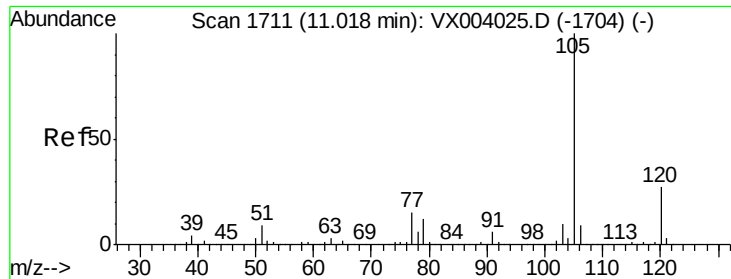
Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	39.1	117.3
150	162.5	0.0	349.2





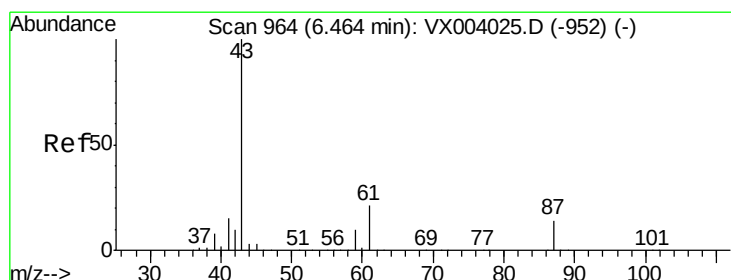
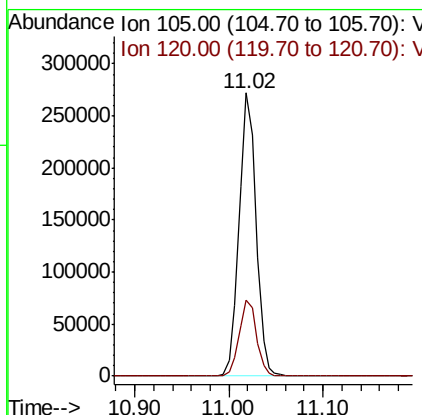
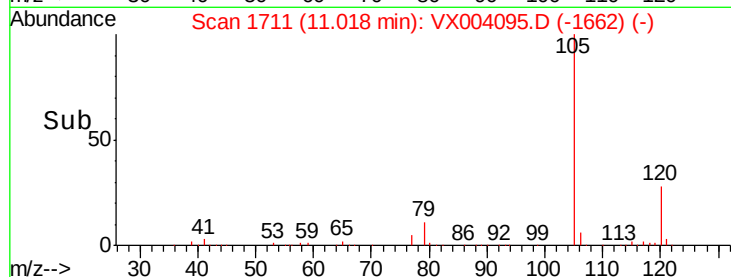
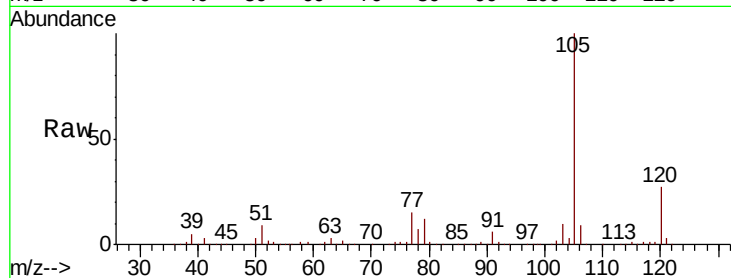
#73
Isopropylbenzene
Concen: 20.81 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	12.6	37.8

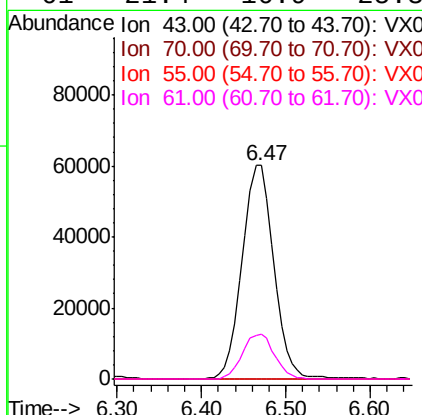
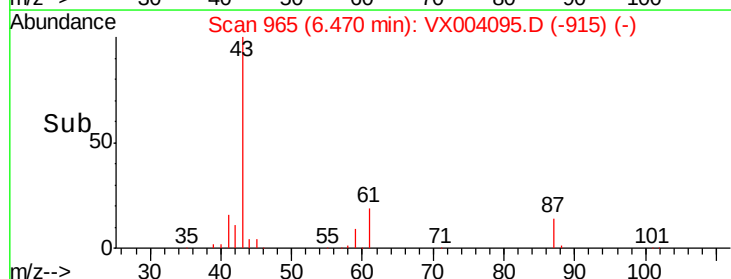
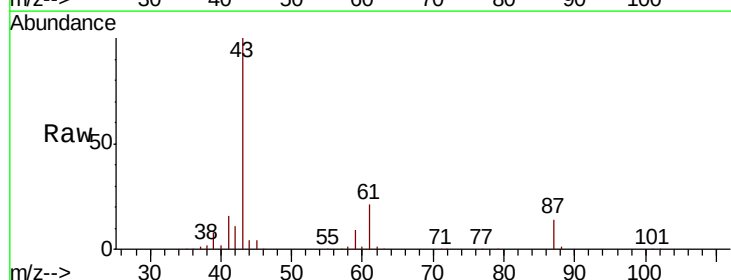
Manual Integrations
APPROVED

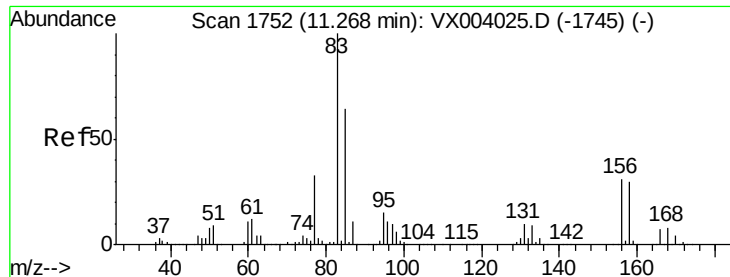
MMDadoda
8/16/2018 4:40:07 PM



#74
N-ethyl acetate
Concen: 19.73 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.01 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1
61	21.4	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.71 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

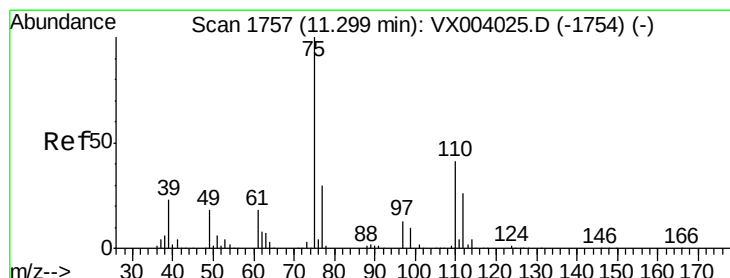
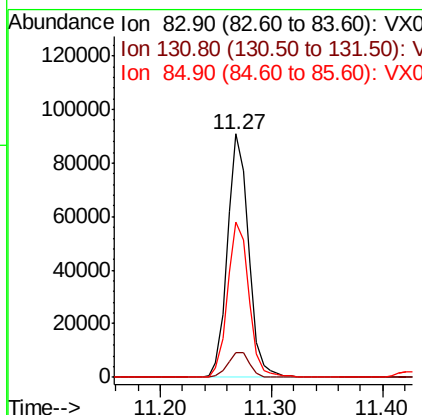
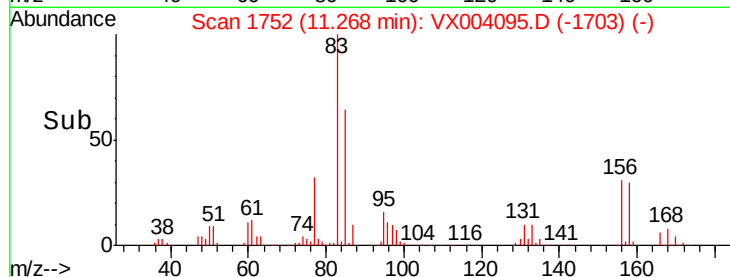
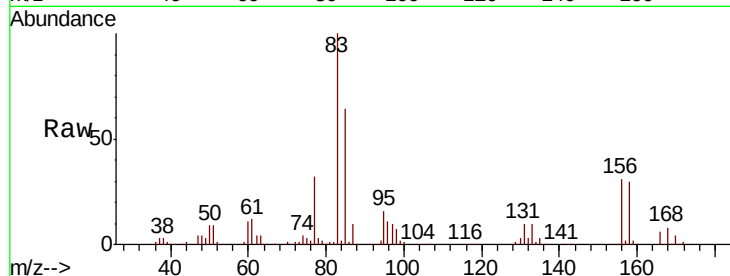
ClientSampleId :

VX0815WBS02

Tot Ion:	83	Resp:	118989
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.5	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.66 ug/l m

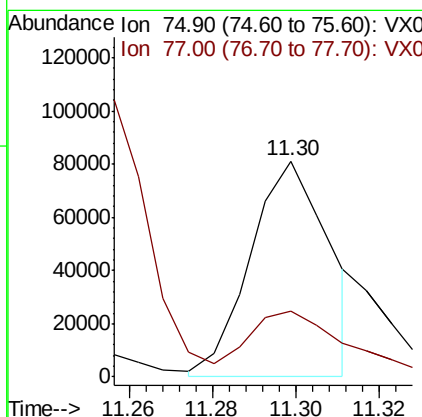
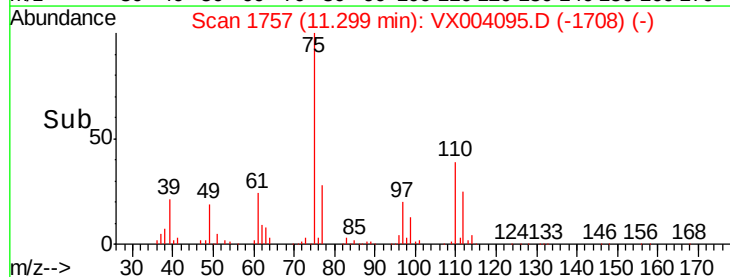
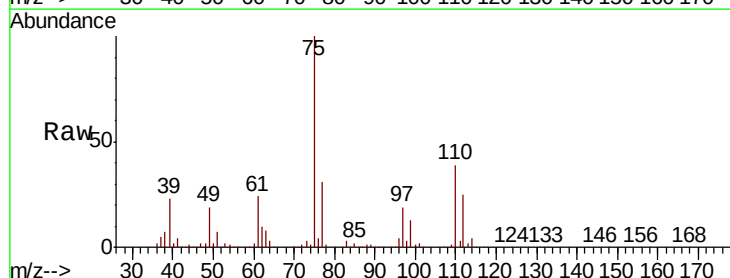
RT: 11.30 min Scan# 1757

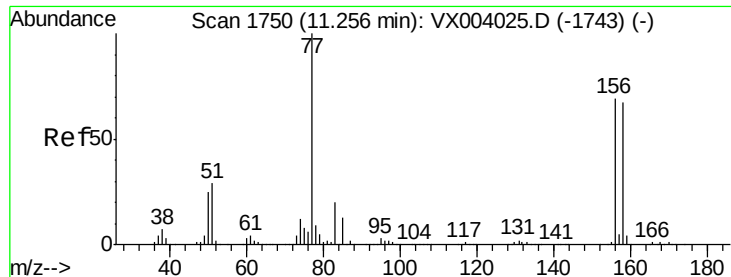
Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion:	75	Resp:	105573
Ion	Ratio	Lower	Upper
75	100		
77	38.1	20.8	62.5





#77

Bromobenzene

Concen: 20.48 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion:156 Resp: 92895

Ion Ratio Lower Upper

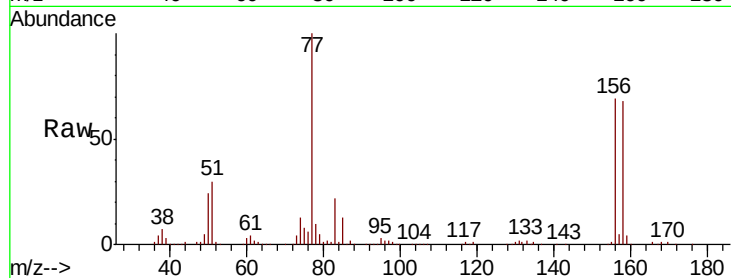
156 100

77 146.3 74.1 222.2

158 96.9 48.6 145.9

Manual Integrations
APPROVED

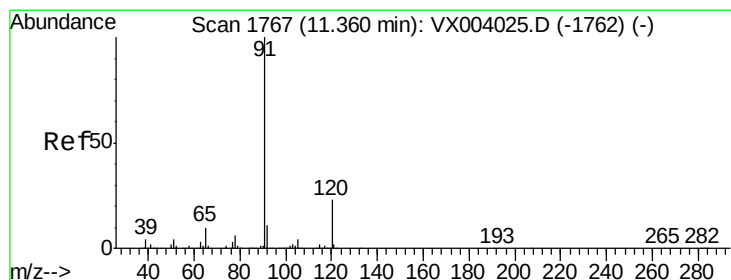
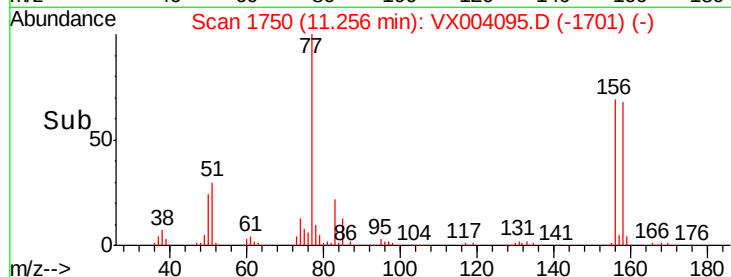
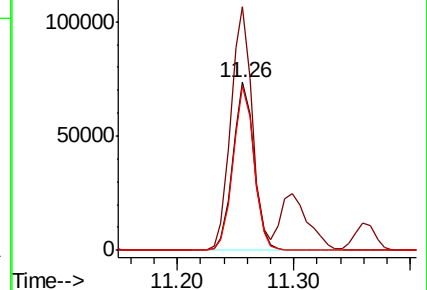
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.74 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004095.D

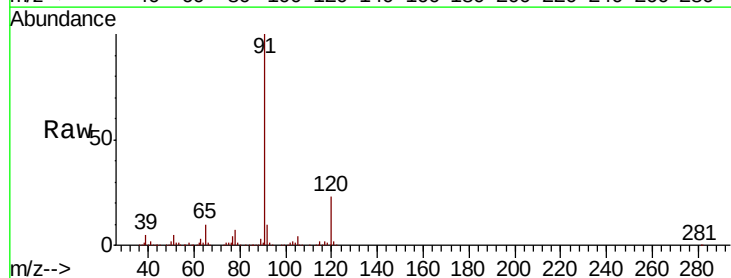
Acq: 16 Aug 2018 02:14

Tgt Ion: 91 Resp: 381885

Ion Ratio Lower Upper

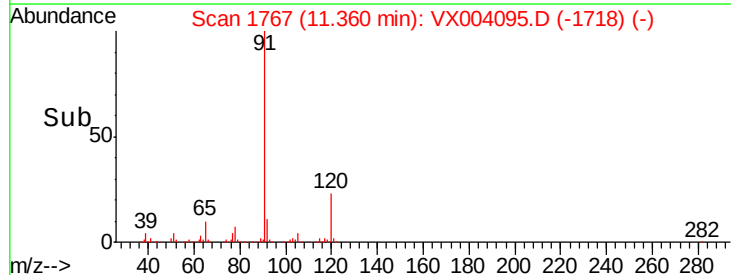
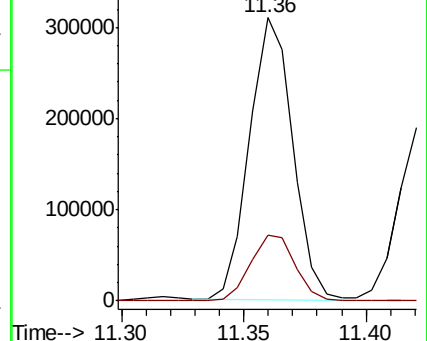
91 100

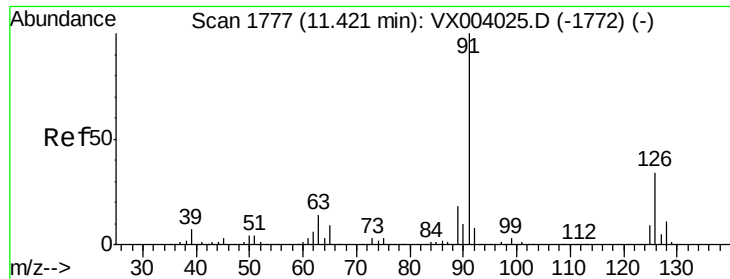
120 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.18 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion: 91 Resp: 237650

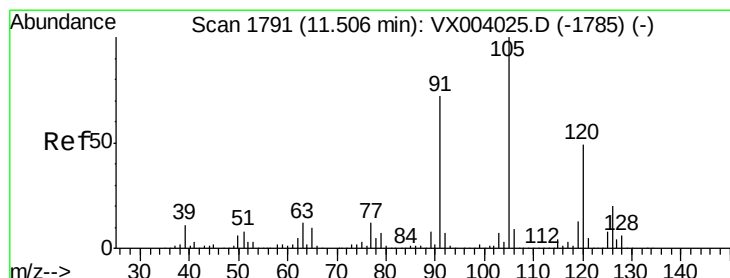
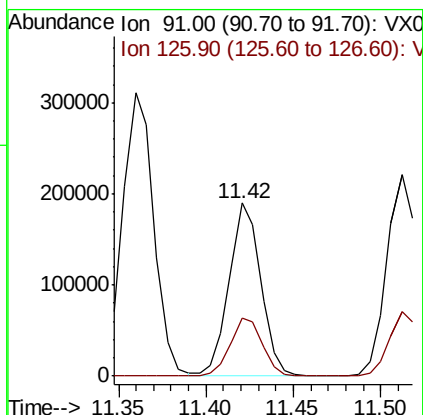
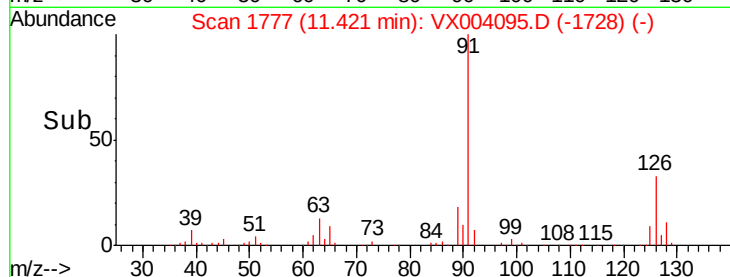
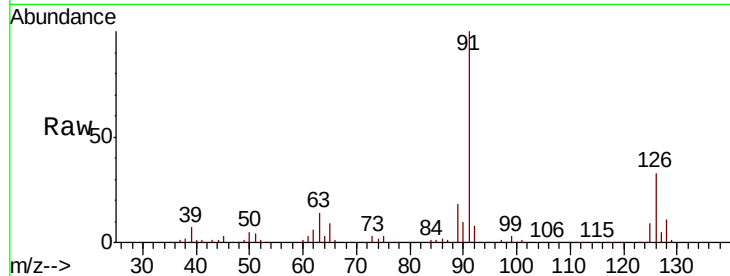
Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.36 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004095.D

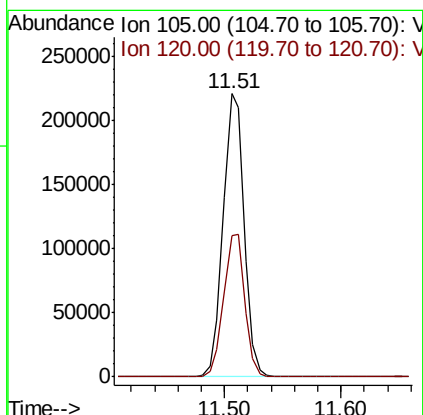
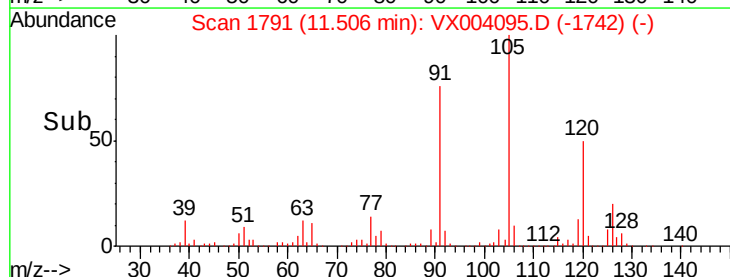
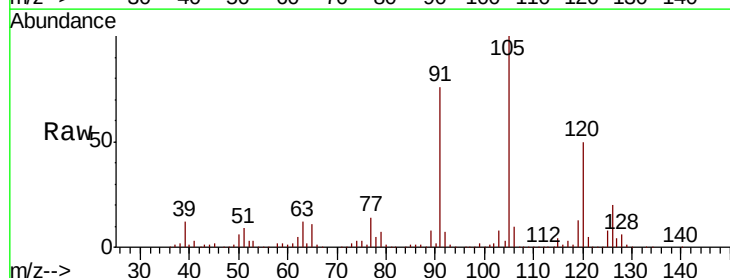
Acq: 16 Aug 2018 02:14

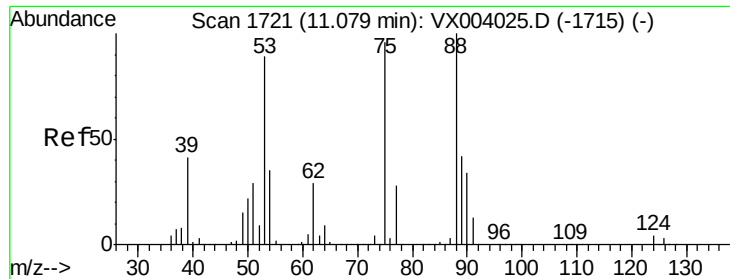
Tgt Ion: 105 Resp: 274310

Ion Ratio Lower Upper

105 100

120 51.1 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.26 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

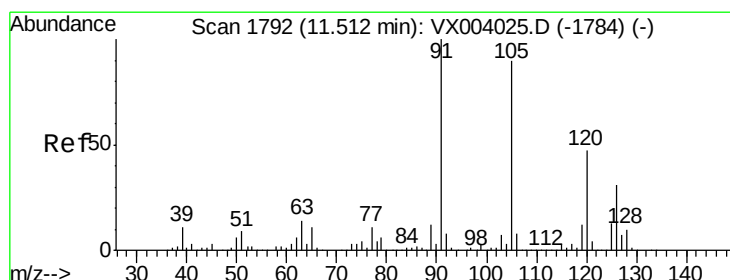
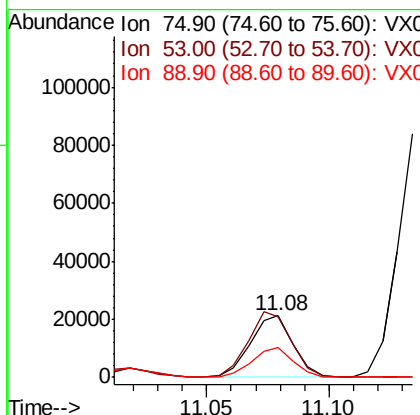
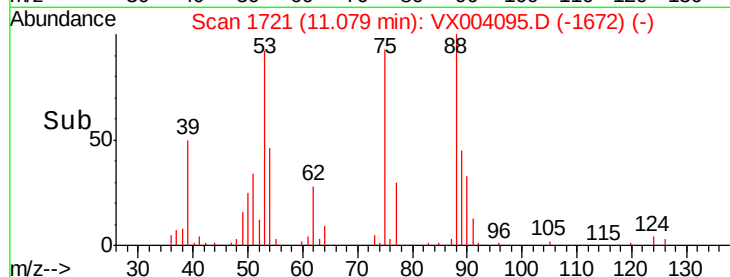
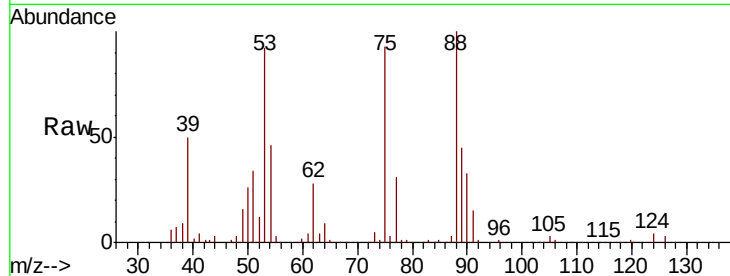
ClientSampleId :

VX0815WBS02

Tot Ion:	75	Resp:	25610
Ion	Ratio	Lower	Upper
75	100		
53	107.9	80.3	120.5
89	47.2	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.65 ug/l

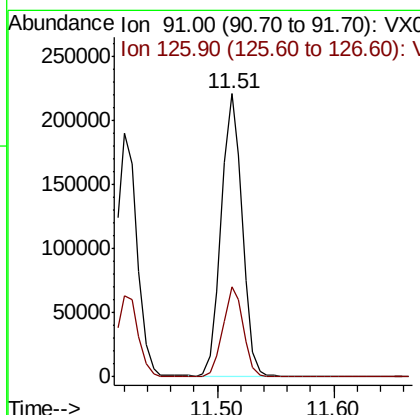
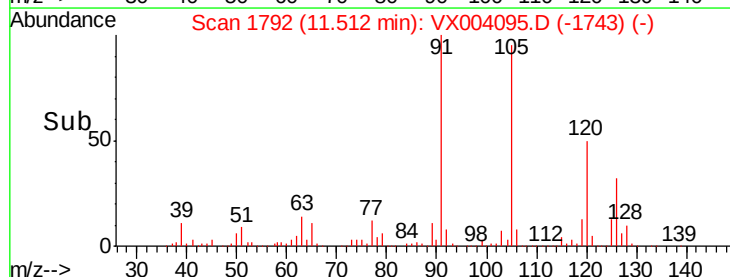
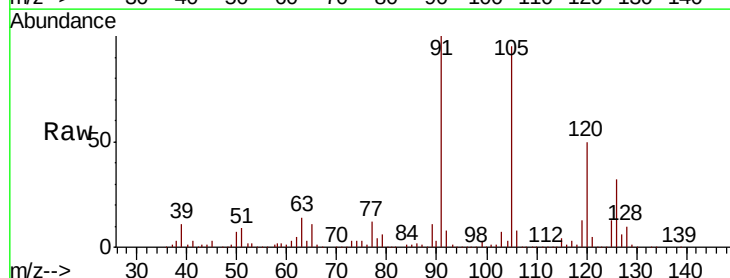
RT: 11.51 min Scan# 1792

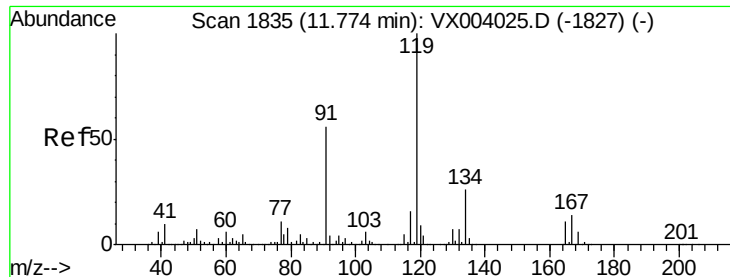
Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion:	91	Resp:	273806
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7





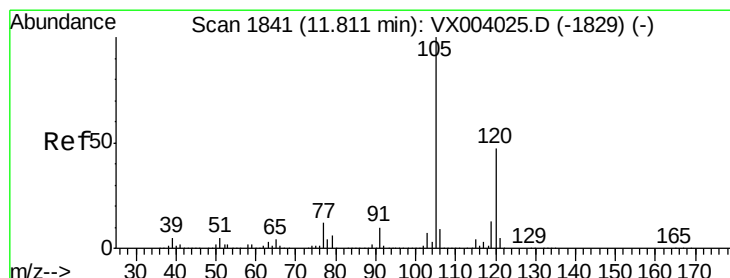
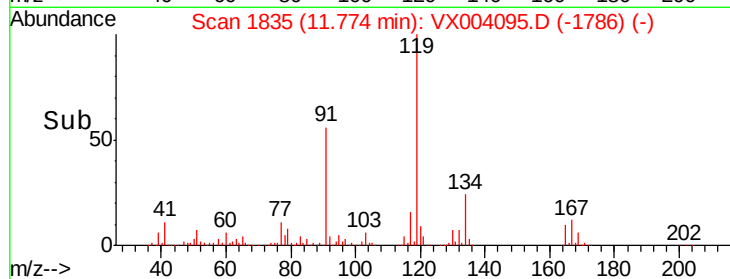
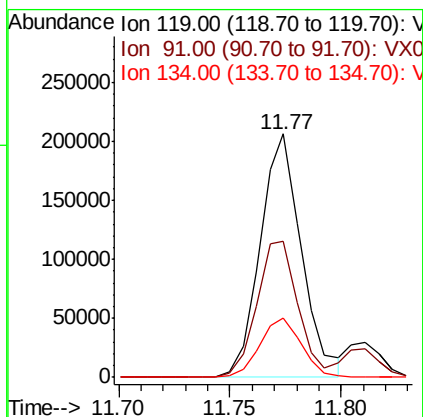
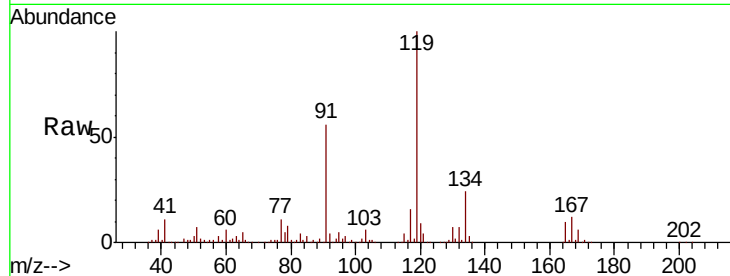
#83
 tert-Butylbenzene
 Concen: 19.57 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265739		
91	55.7	26.9	80.7	
134	24.5	12.0	36.0	

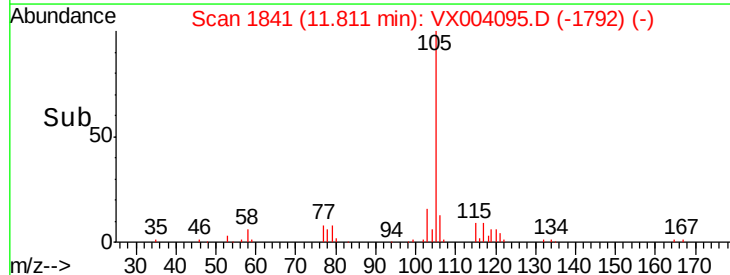
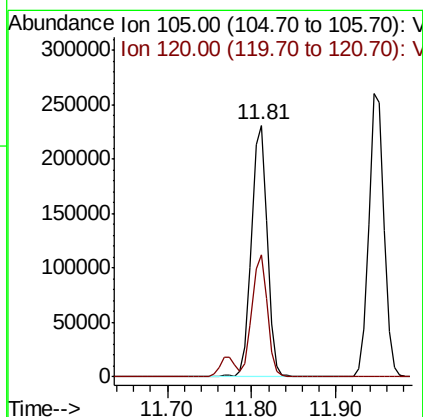
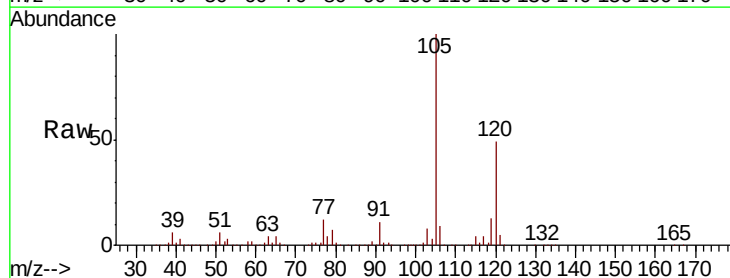
Manual Integrations
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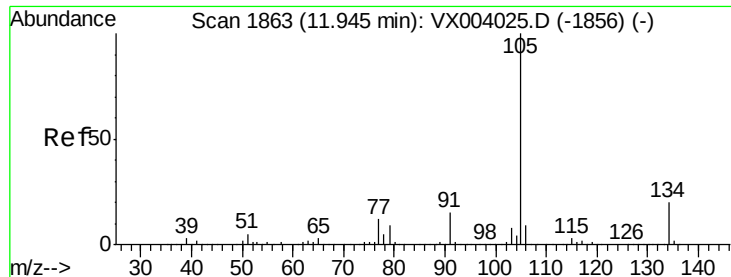
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.75 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289495		
120	47.3	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.56 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBS02

Tot Ion:105 Resp: 326828

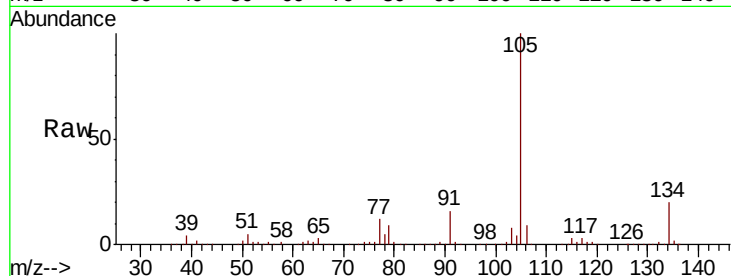
Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.9

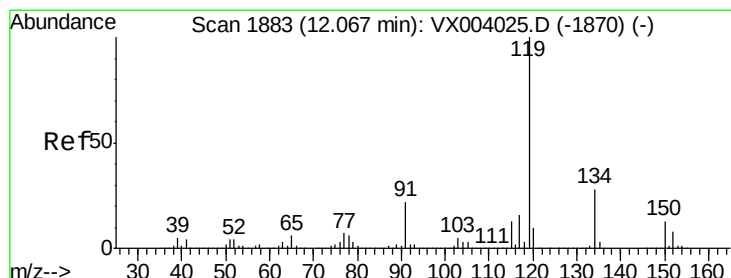
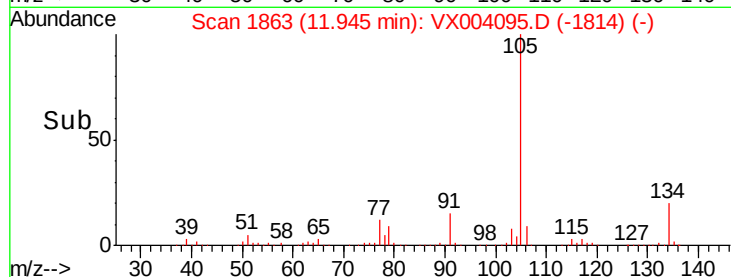
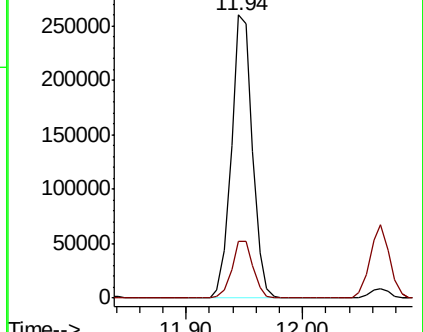
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.98 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

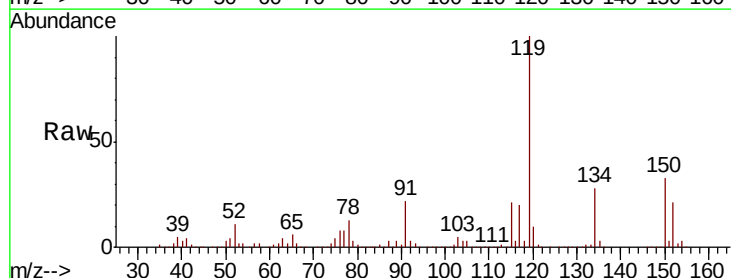
Tgt Ion:119 Resp: 287514

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

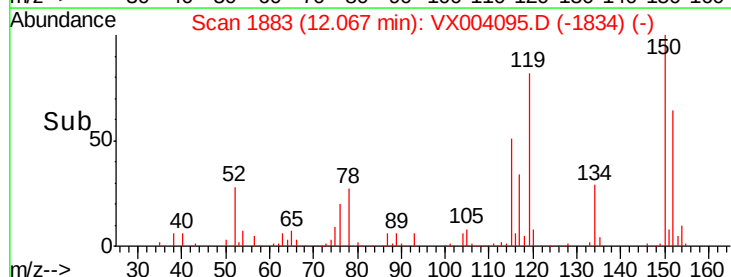
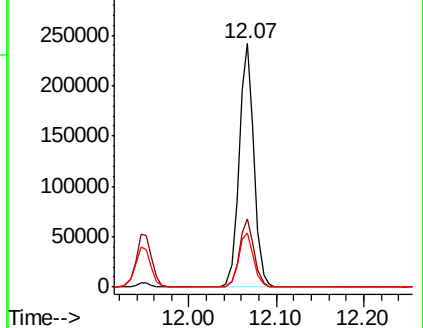
91 22.5 10.9 32.7

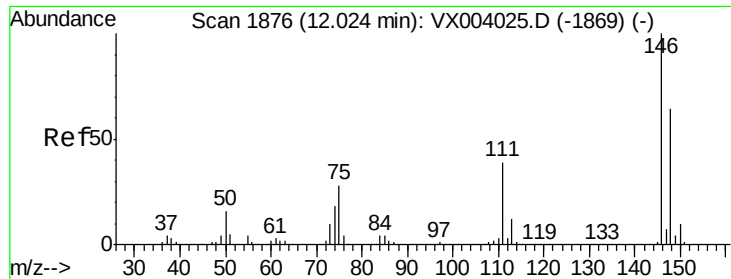


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





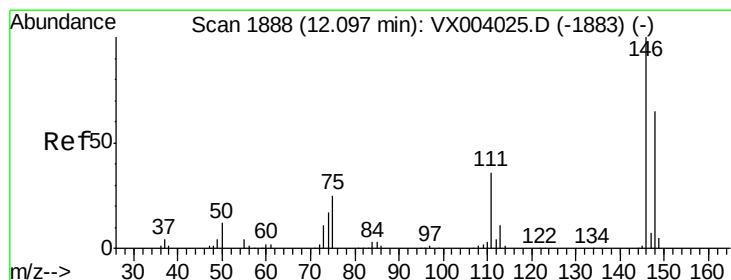
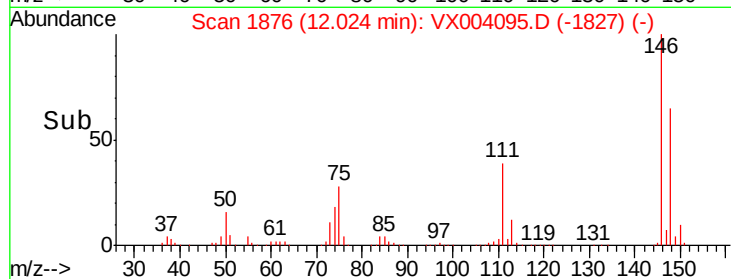
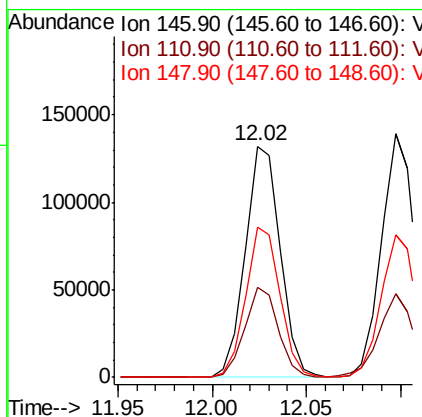
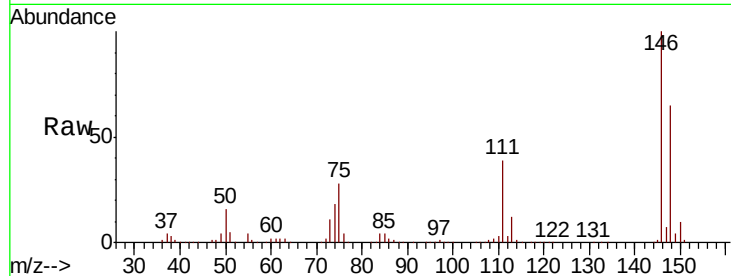
#87
 1,3-Dichlorobenzene
 Concen: 19.68 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.8	31.9	95.5

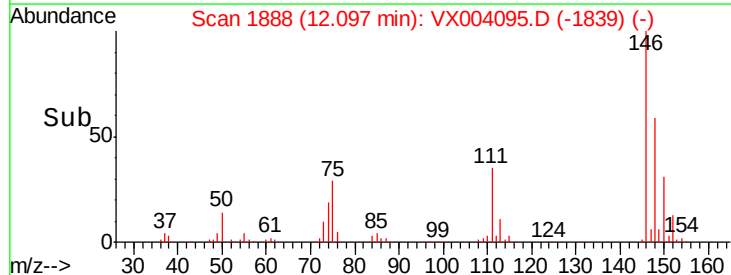
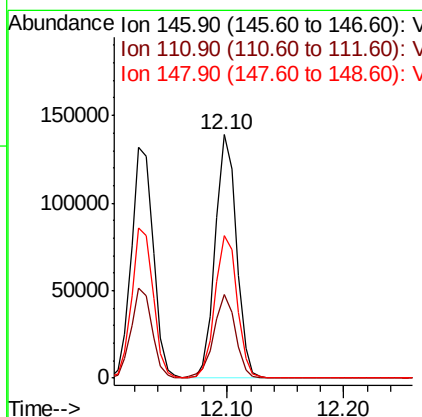
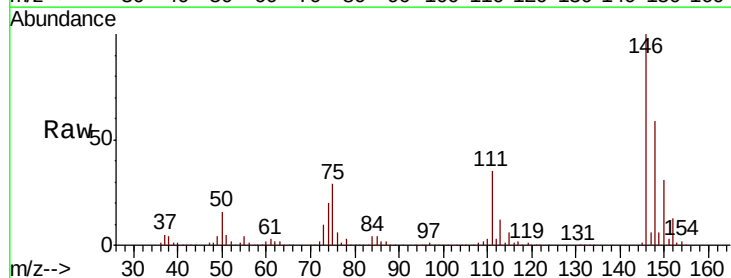
Manual Integrations
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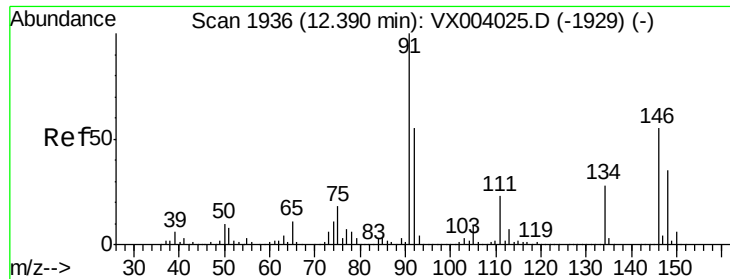
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#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.4	55.0
148	61.0	32.3	96.8





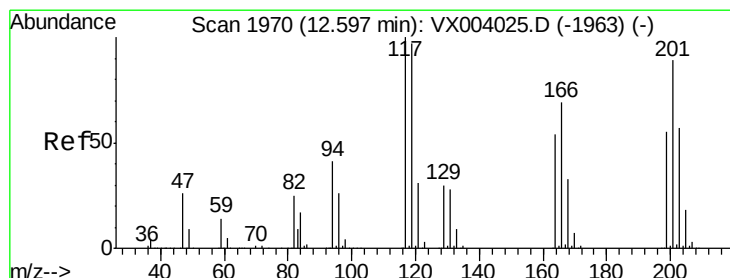
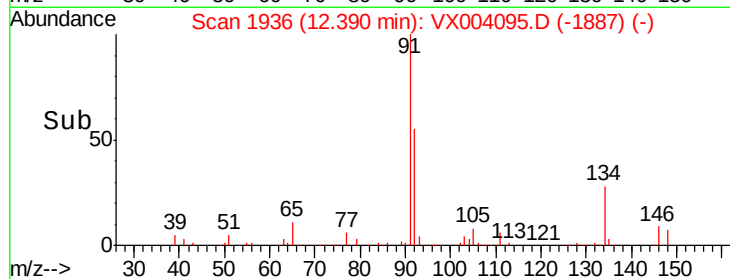
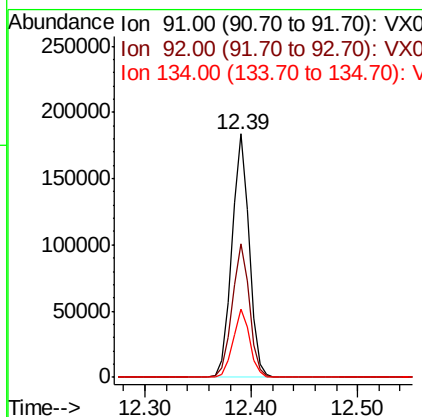
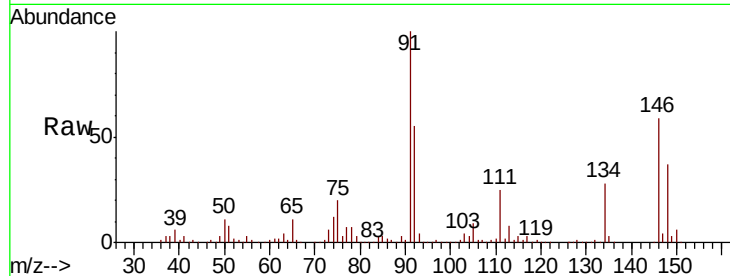
#89
n-Butylbenzene
Concen: 18.49 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	209708		
92	54.7	27.1	81.3	
134	27.1	13.6	40.7	

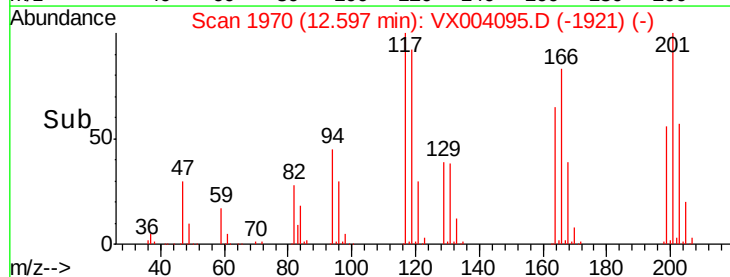
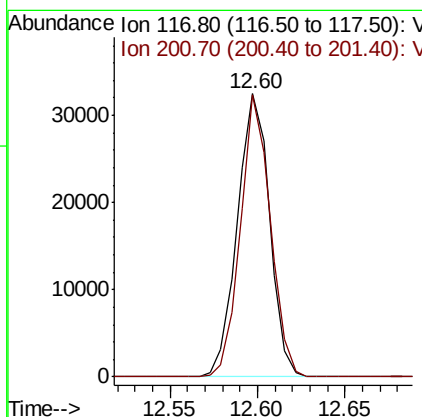
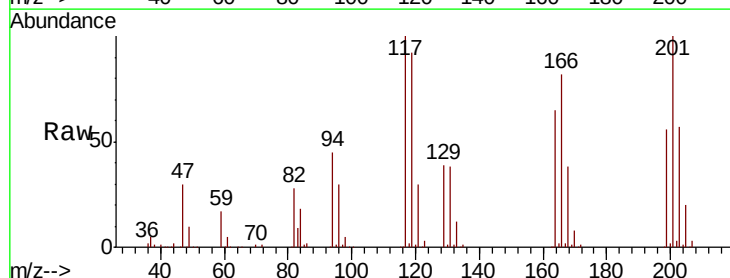
Manual Integrations
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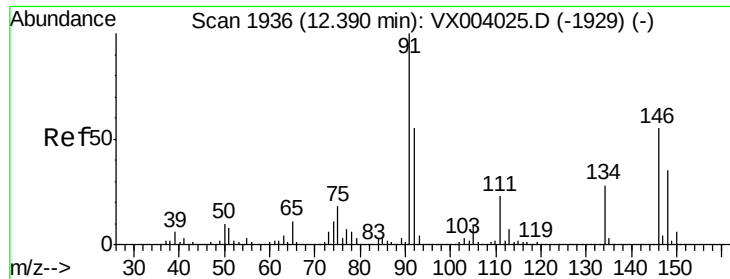
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#90
Hexachloroethane
Concen: 19.32 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004095.D
Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41599		
201	92.2	46.1	138.2	





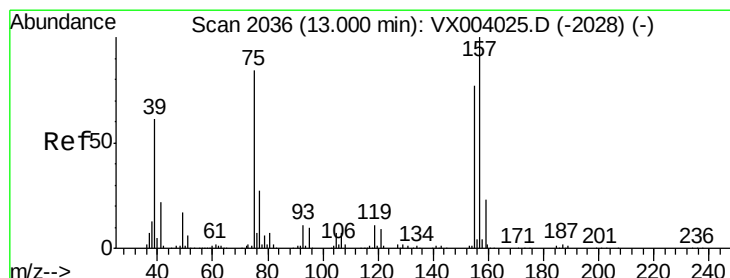
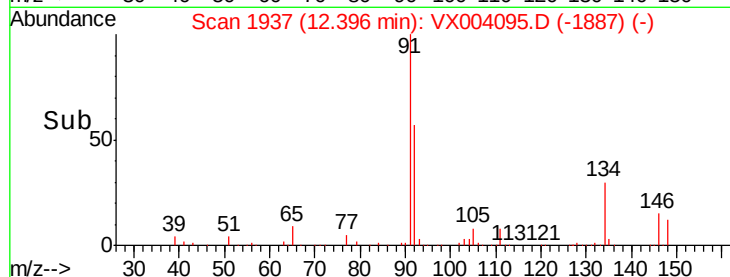
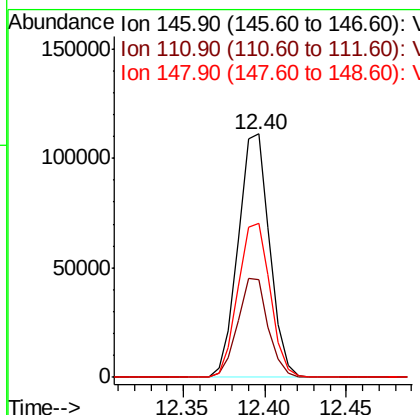
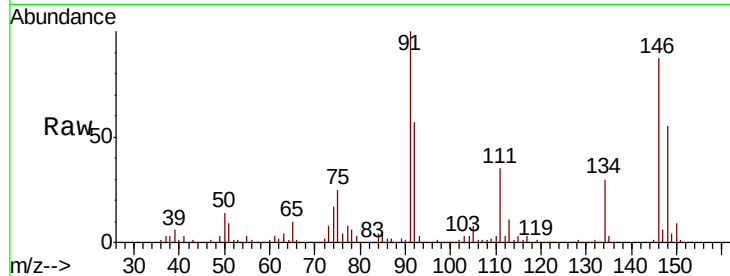
#91
 1,2-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0815WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	65.0	31.9	95.5

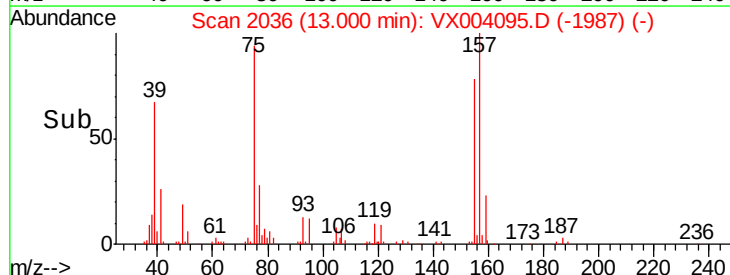
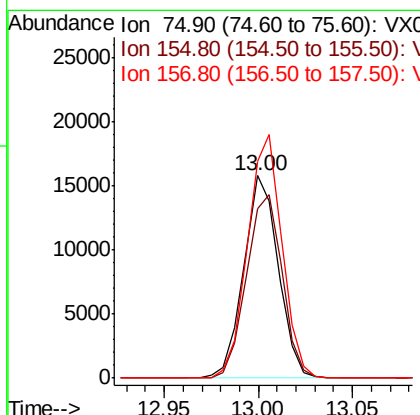
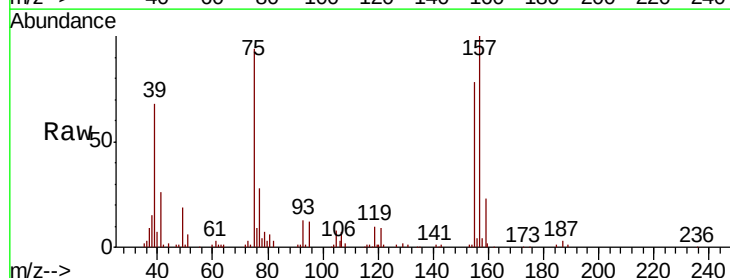
Manual Integrations
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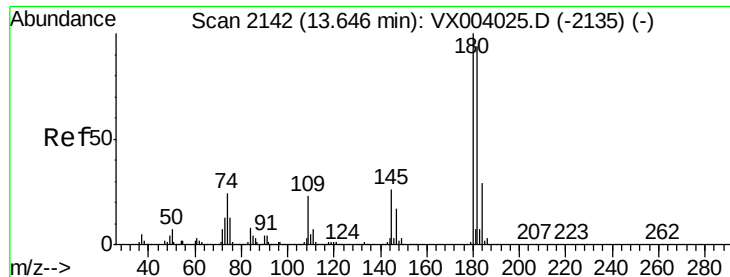
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.96 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	48.7	146.1
157	119.6	62.6	187.8





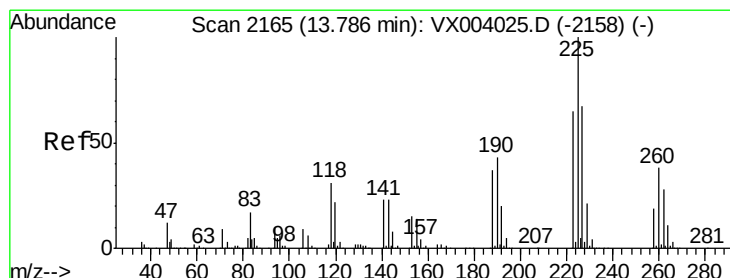
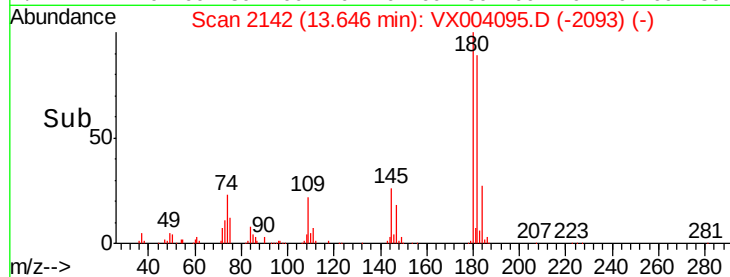
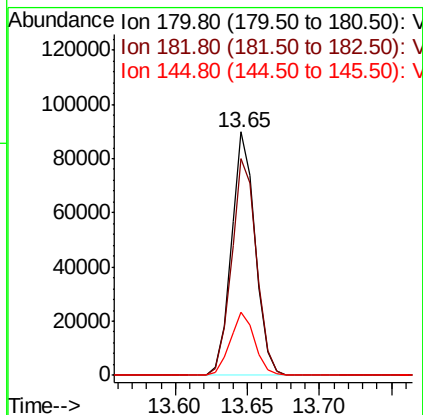
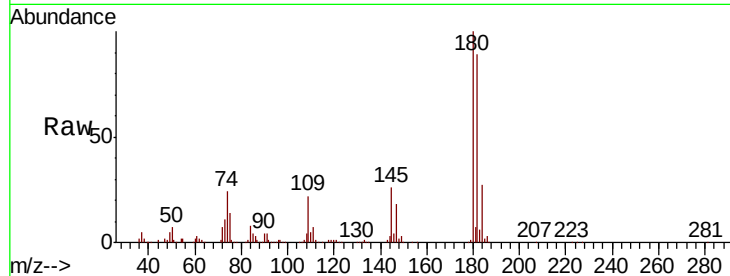
#93
 1,2,4-Trichlorobenzene
 Concen: 19.57 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104361		
182	92.9	47.7	143.1	
145	26.7	13.9	41.6	

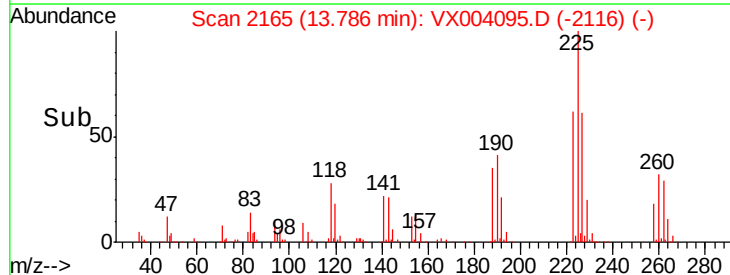
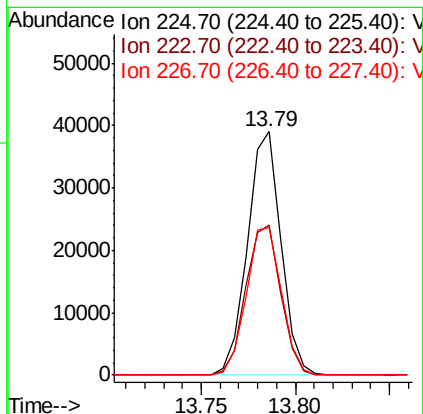
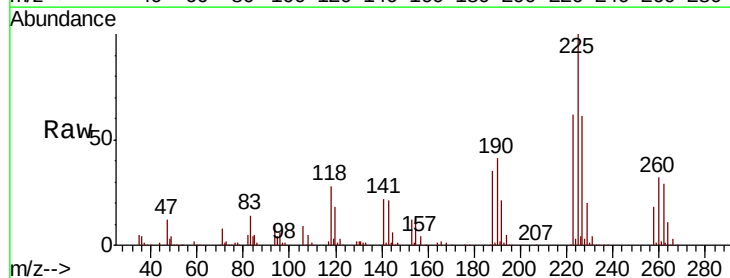
Manual Integrations
 APPROVED

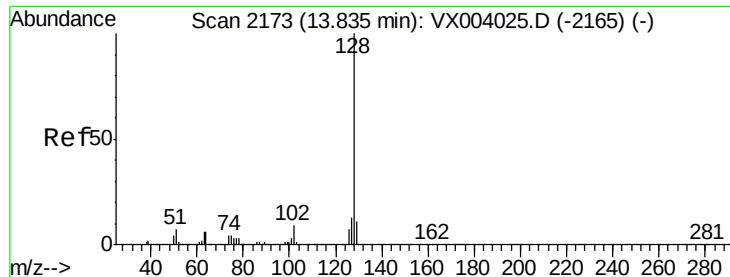
MMDadoda
 8/16/2018 4:40:07 PM



#94
 Hexachlorobutadiene
 Concen: 17.97 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004095.D
 Acq: 16 Aug 2018 02:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48025		
223	64.3	31.4	94.0	
227	63.8	32.1	96.5	





#95

Naphthalene

Concen: 19.29 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Instrument :

MSVOA_X

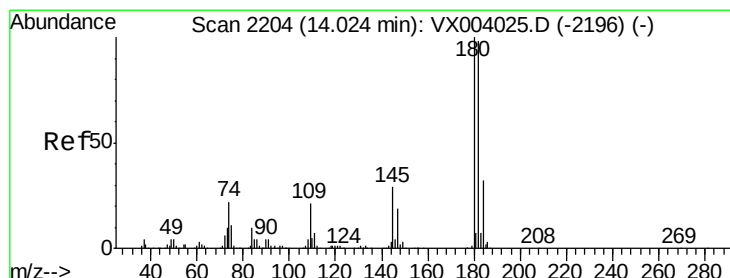
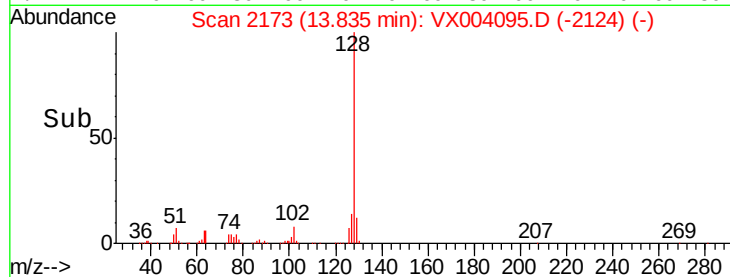
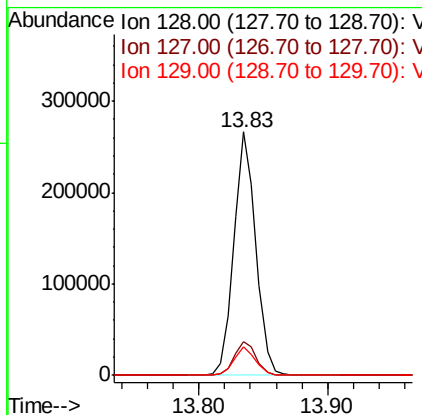
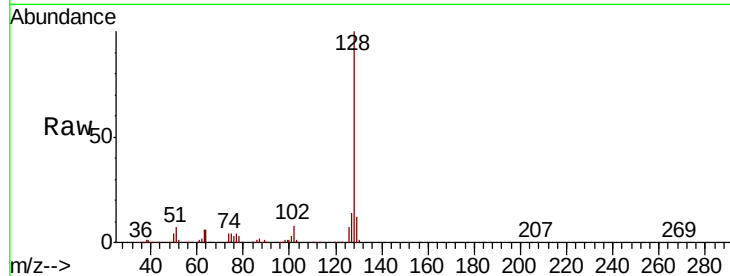
ClientSampleId :

VX0815WBS02

Tot Ion:	128	Resp:	315593
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.2	15.2
129	11.4	8.8	13.2

Manual Integrations
APPROVED

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8/16/2018 4:40:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.34 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004095.D

Acq: 16 Aug 2018 02:14

Tgt Ion:	180	Resp:	118284
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.4
145	29.7	14.9	44.7

