

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008606.D
 Acq On : 03 Apr 2019 09:56
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 3:38:13 PM

Quant Time: Apr 04 04:17:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	18382	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
35) Dibromofluoromethane	5.50	113	13065	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
50) Toluene-d8	8.71	98	51612	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
62) 4-Bromofluorobenzene	11.13	95	18284	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	14392	5.432	ug/l	98
3) Chloromethane	1.32	50	21230	5.800	ug/l	98
4) Vinyl Chloride	1.41	62	20277	5.661	ug/l	97
5) Bromomethane	1.64	94	8865	4.641	ug/l	95
6) Chloroethane	1.71	64	11948	4.748	ug/l	100
7) Trichlorofluoromethane	1.92	101	22244	5.618	ug/l	99
8) Diethyl Ether	2.18	74	10479	5.581	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	13968	5.480	ug/l	98
10) Methyl Iodide	2.51	142	8595	4.091	ug/l	99
11) Tert butyl alcohol	3.06	59	21585	27.463	ug/l	99
12) 1,1-Dichloroethene	2.37	96	14046	5.278	ug/l	97
13) Acrolein	2.29	56	11478	29.452	ug/l	100
14) Allyl chloride	2.73	41	32760	5.378	ug/l	99
15) Acrylonitrile	3.14	53	58269	27.985	ug/l	98
16) Acetone	2.45	43	53380	27.606	ug/l	99
17) Carbon Disulfide	2.56	76	42983	5.029	ug/l	100
18) Methyl Acetate	2.78	43	26144	5.575	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	53819	5.663	ug/l	96
20) Methylene Chloride	2.85	84	18317	5.659	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	15951	5.542	ug/l	89
22) Diisopropyl ether	3.86	45	67178	5.722	ug/l	99
23) Vinyl Acetate	3.81	43	283299	27.736	ug/l	100
24) 1,1-Dichloroethane	3.70	63	32553	5.600	ug/l	100
25) 2-Butanone	4.68	43	86227	28.214	ug/l	99
26) 2,2-Dichloropropane	4.58	77	22137	5.407	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	18195	5.498	ug/l	98
28) Bromochloromethane	5.01	49	15249	5.527	ug/l	100
29) Tetrahydrofuran	5.13	42	56332	27.771	ug/l	99
30) Chloroform	5.21	83	29392	5.661	ug/l	99
31) Cyclohexane	5.58	56	33040	5.696	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	22807	5.436	ug/l	98
36) 1,1-Dichloropropene	5.80	75	22439	5.308	ug/l	97
37) Ethyl Acetate	4.84	43	30549	5.414	ug/l	97
38) Carbon Tetrachloride	5.79	117	18998	5.430	ug/l	98

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Manual Integrations
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Quant Time: Apr 04 04:17:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	28927	5.539	ug/l	98
40) Benzene	6.14	78	70547	5.602	ug/l	100
41) Methacrylonitrile	5.04	41	18133	5.591	ug/l	98
42) 1,2-Dichloroethane	6.20	62	25904	5.737	ug/l	99
43) Isopropyl Acetate	6.45	43	48478	5.484	ug/l	100
44) Trichloroethene	7.21	130	16448	5.607	ug/l	96
45) 1,2-Dichloropropane	7.51	63	19888	5.533	ug/l	96
46) Dibromomethane	7.66	93	11551	5.540	ug/l	96
47) Bromodichloromethane	7.90	83	21206	5.395	ug/l	99
48) Methyl methacrylate	7.77	41	24455	5.469	ug/l	99
49) 1,4-Dioxane	7.74	88	9527	113.738	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	165727	29.125	ug/l	99
52) Toluene	8.78	92	42109	5.671	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	22196	5.041	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	26404	5.248	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	16975	5.696	ug/l	99
56) Ethyl methacrylate	9.18	69	30150	5.591	ug/l	99
57) 1,3-Dichloropropane	9.37	76	30517	5.702	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	72313	26.262	ug/l	99
59) 2-Hexanone	9.49	43	128378	29.030	ug/l	100
60) Dibromochloromethane	9.58	129	14950	5.323	ug/l	99
61) 1,2-Dibromoethane	9.67	107	17381	5.602	ug/l	99
64) Tetrachloroethene	9.34	164	14313	5.582	ug/l	94
65) Chlorobenzene	10.13	112	42818	5.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	14405	5.352	ug/l	99
67) Ethyl Benzene	10.25	91	79598	5.564	ug/l	100
68) m/p-Xylenes	10.36	106	57561	11.191	ug/l	100
69) o-Xylene	10.69	106	27883	5.594	ug/l	99
70) Styrene	10.71	104	47347	5.510	ug/l	99
71) Bromoform	10.85	173	10428	5.073	ug/l #	98
73) Isopropylbenzene	11.02	105	74020	5.738	ug/l	99
74) N-amyl acetate	10.90	43	40734	5.367	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	28329	5.774	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	24101m	5.237	ug/l	
77) Bromobenzene	11.26	156	17496	5.642	ug/l	97
78) n-propylbenzene	11.36	91	85844	5.715	ug/l	99
79) 2-Chlorotoluene	11.42	91	52415	5.766	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	61682	5.696	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7743	4.991	ug/l	87
82) 4-Chlorotoluene	11.51	91	59427	5.648	ug/l	99
83) tert-Butylbenzene	11.77	119	58207	5.587	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	63499	5.791	ug/l	100
85) sec-Butylbenzene	11.94	105	70432	5.692	ug/l	98
86) p-Isopropyltoluene	12.06	119	62796	5.654	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	30698	5.529	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	30777	5.475	ug/l	94
89) n-Butylbenzene	12.38	91	56748	5.448	ug/l	99
90) Hexachloroethane	12.59	117	9654	5.241	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	30768	5.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	5504	5.100	ug/l	97

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MSVOA_X
ClientSampleId :
VSTDICC005

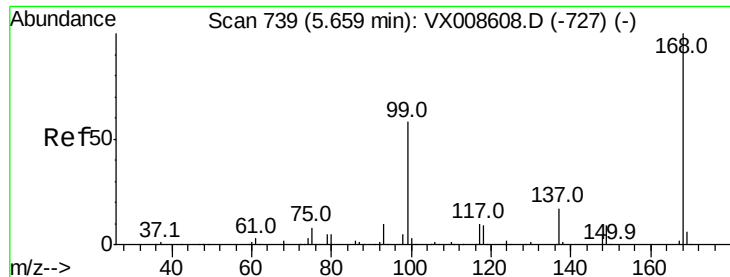
Manual Integrations
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Quant Time: Apr 04 04:17:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:04:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19536	5.097	ug/l	99
94) Hexachlorobutadiene	13.78	225	10058	5.472	ug/l	98
95) Naphthalene	13.83	128	65925	5.147	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	20179	5.270	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 230174

Ion Ratio Lower Upper

168 100

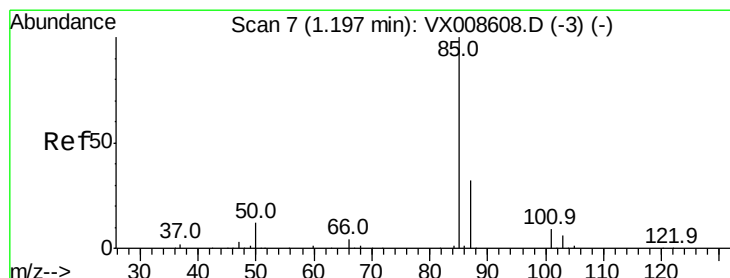
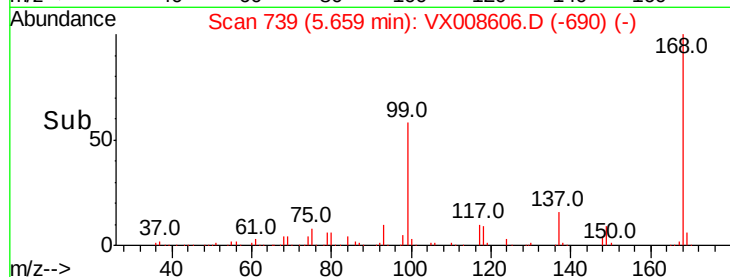
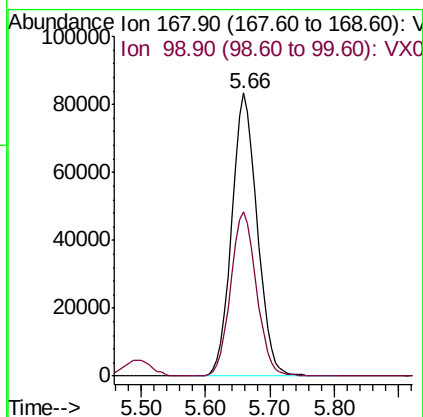
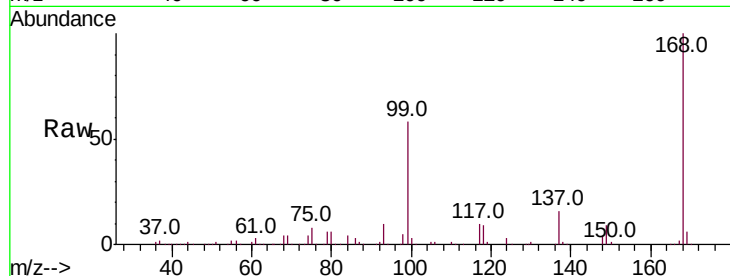
99 58.1 46.7 70.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 5.432 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008606.D

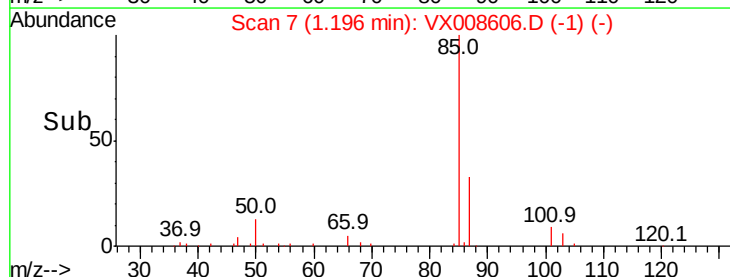
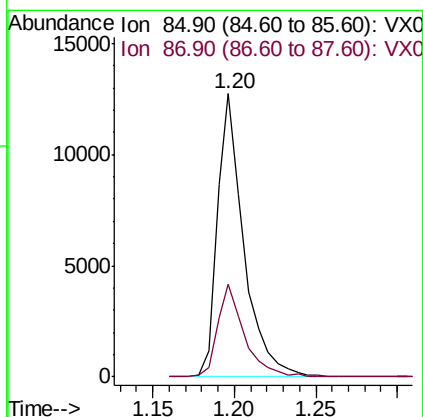
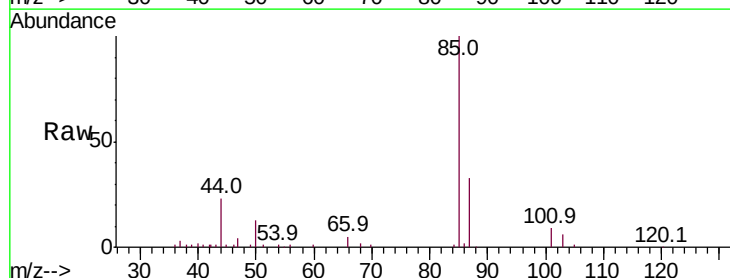
Acq: 03 Apr 2019 09:56

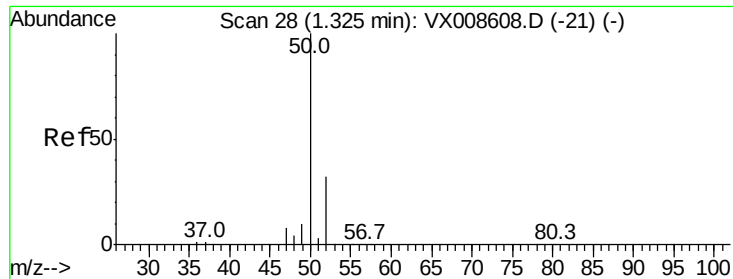
Tgt Ion: 85 Resp: 14392

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.3





#3

Chloromethane

Concen: 5.800 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21230

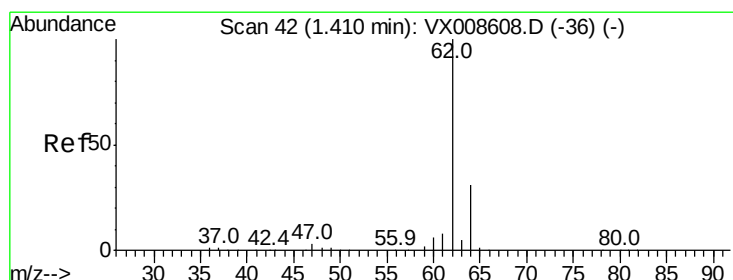
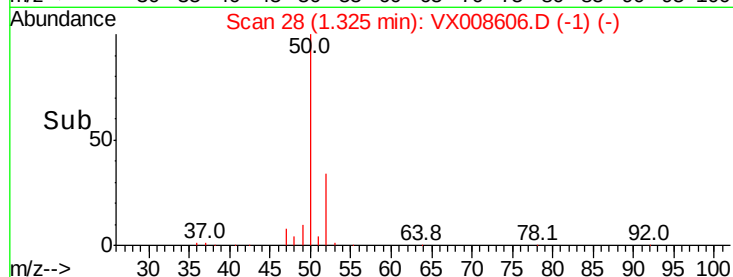
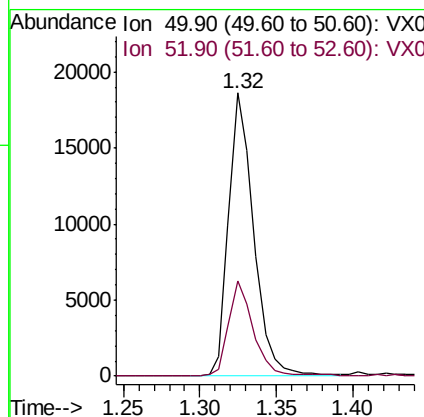
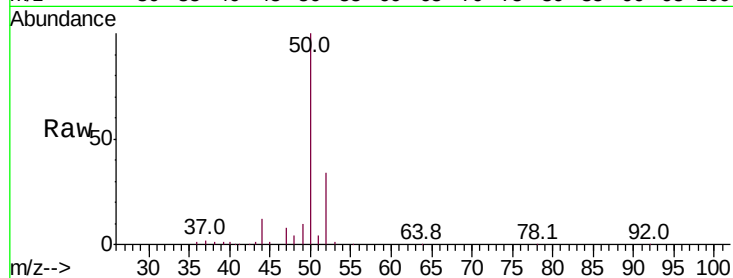
Ion Ratio Lower Upper

50 100

52 33.6 25.8 38.8

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#4

Vinyl Chloride

Concen: 5.661 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008606.D

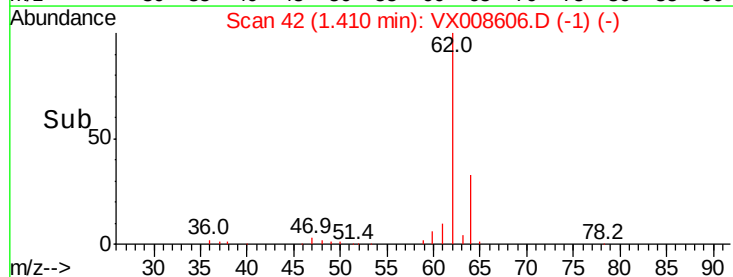
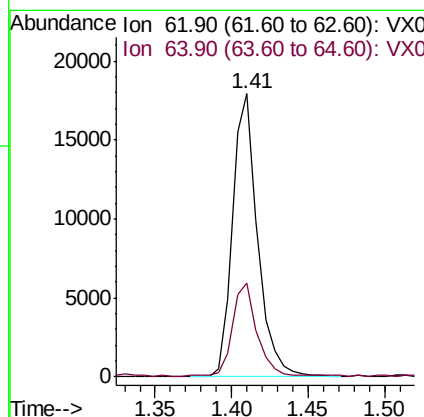
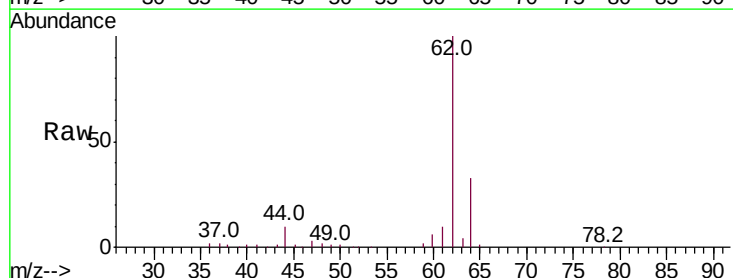
Acq: 03 Apr 2019 09:56

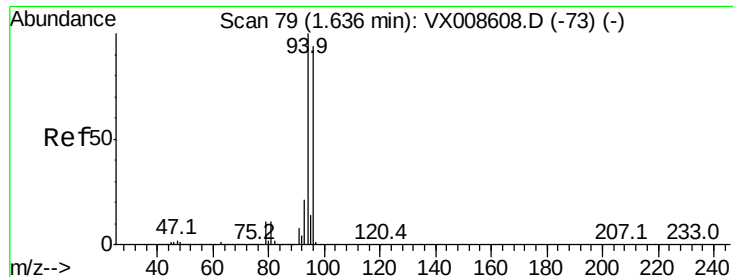
Tgt Ion: 62 Resp: 20277

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1





#5

Bromomethane

Concen: 4.641 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8865

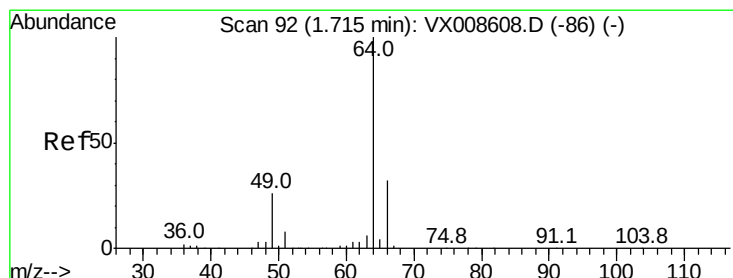
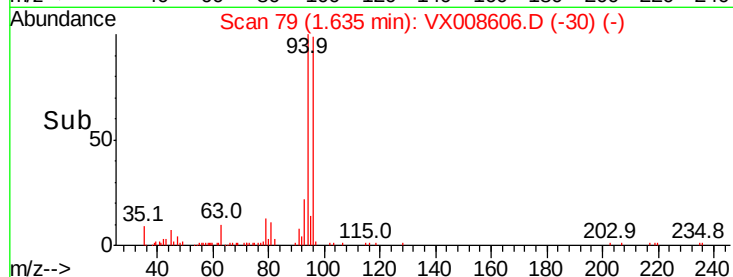
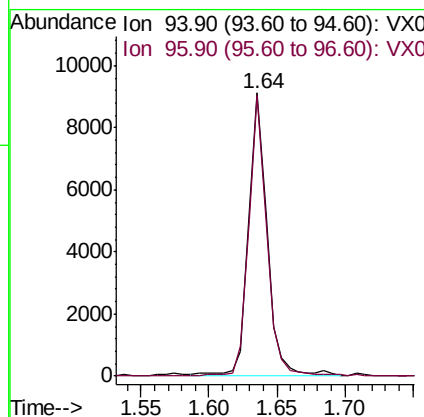
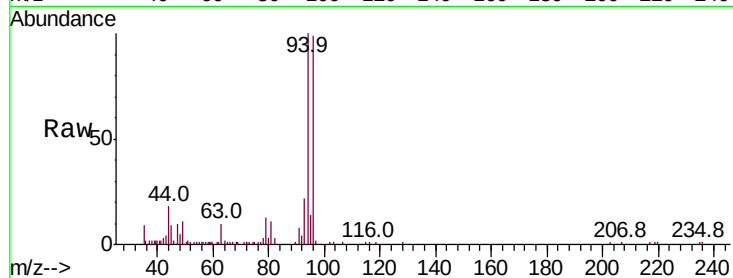
Ion Ratio Lower Upper

94 100

96 99.2 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 4.748 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008606.D

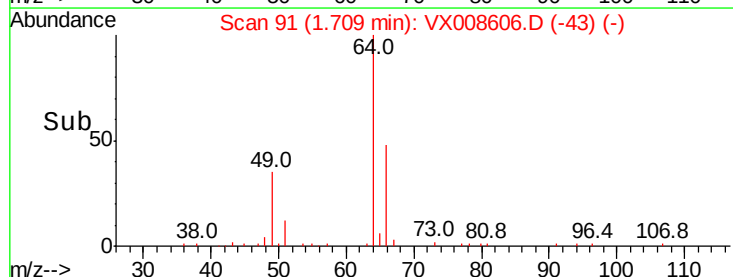
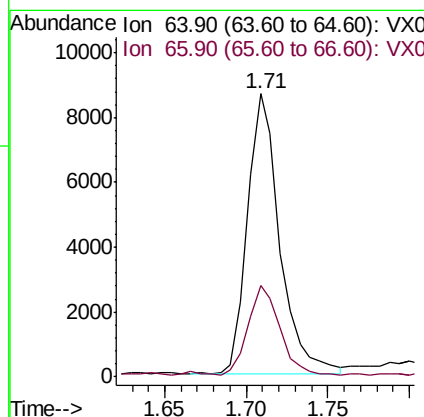
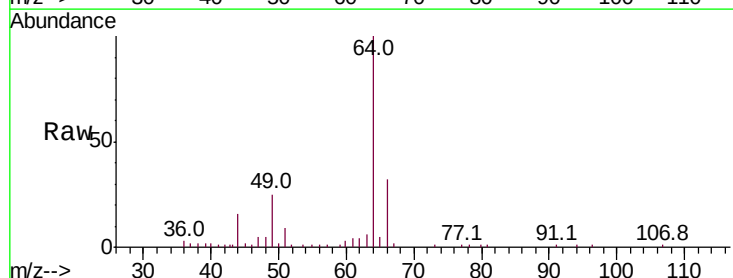
Acq: 03 Apr 2019 09:56

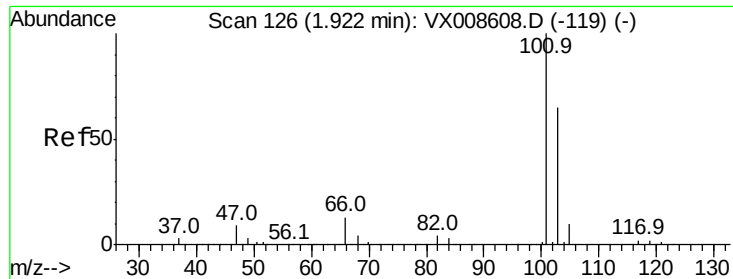
Tgt Ion: 64 Resp: 11948

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0





#7

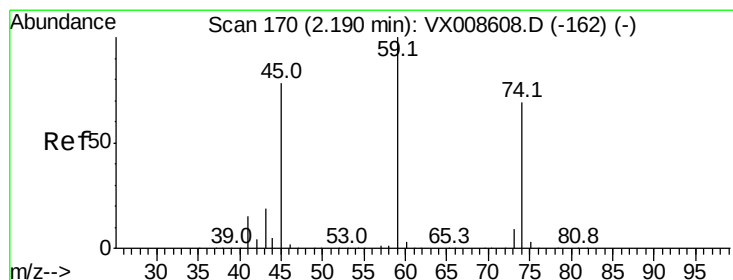
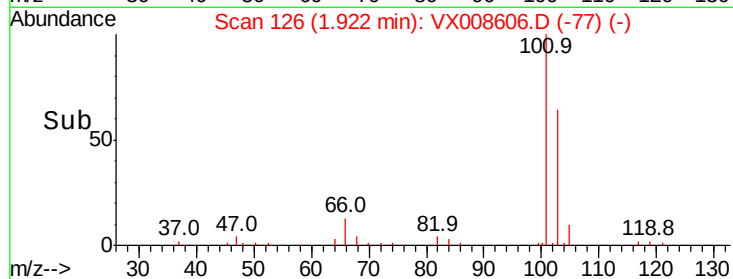
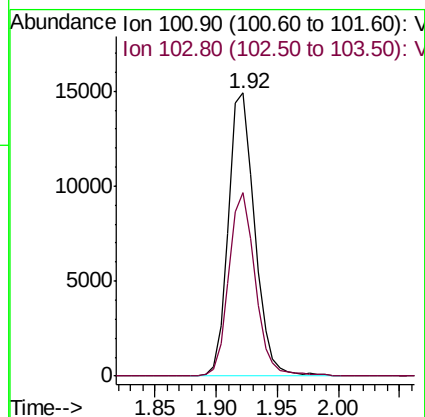
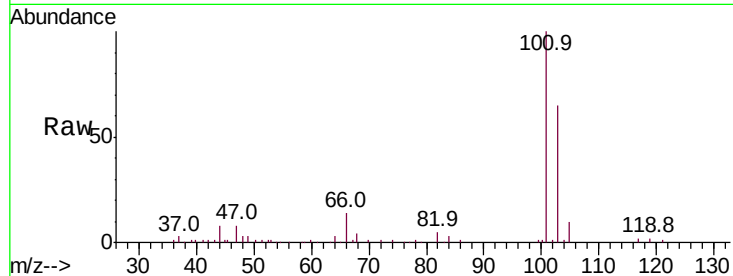
Trichlorofluoromethane
Concen: 5.618 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 22244
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5

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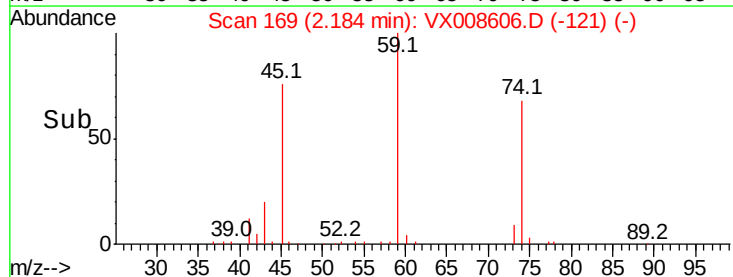
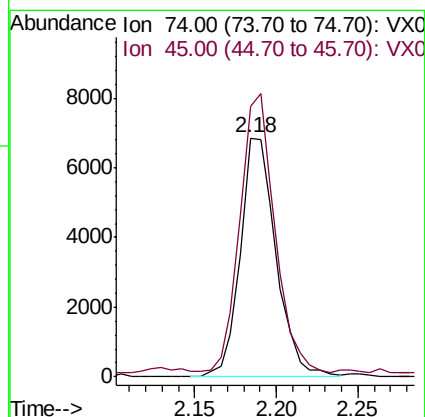
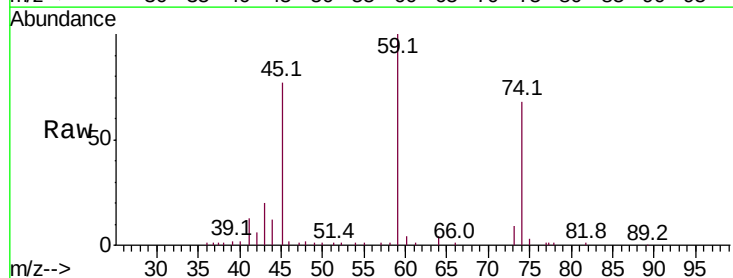
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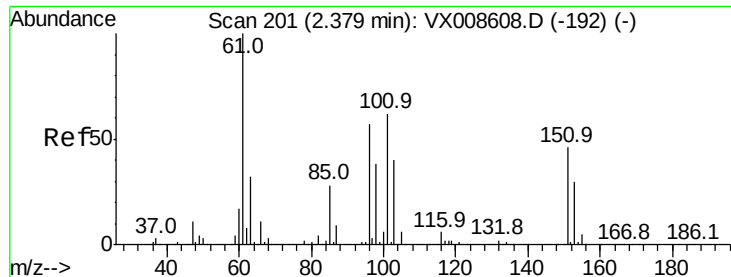


#8

Diethyl Ether
Concen: 5.581 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion: 74 Resp: 10479
Ion Ratio Lower Upper
74 100
45 113.4 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.480 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

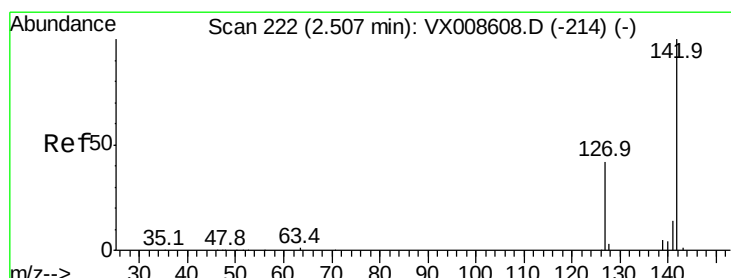
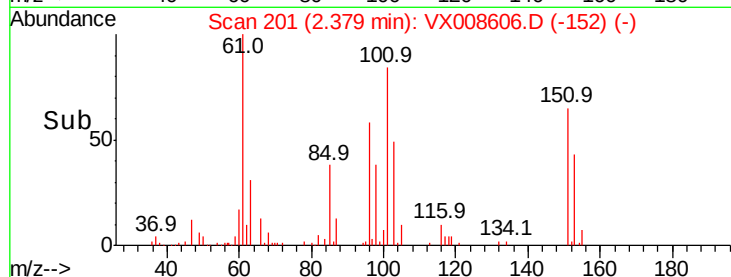
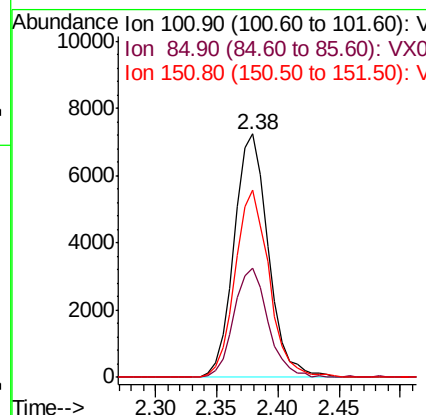
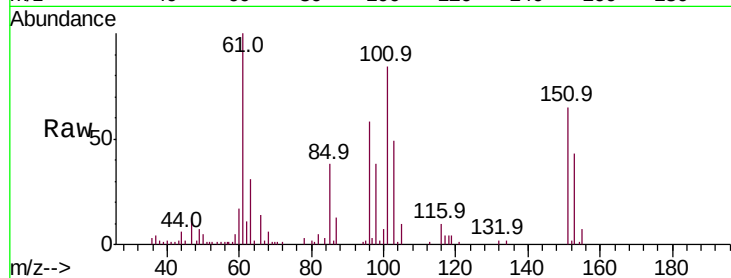
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13968
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	77.0	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 4.091 ug/l

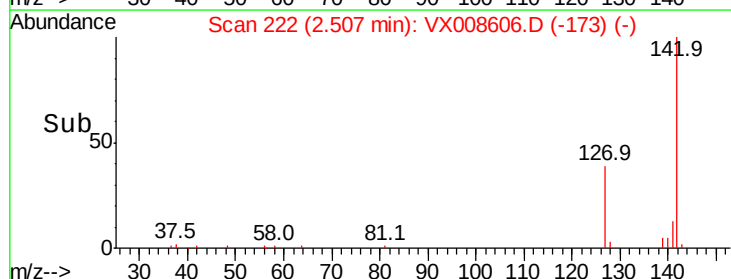
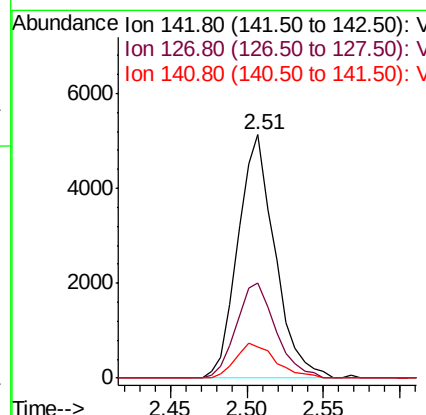
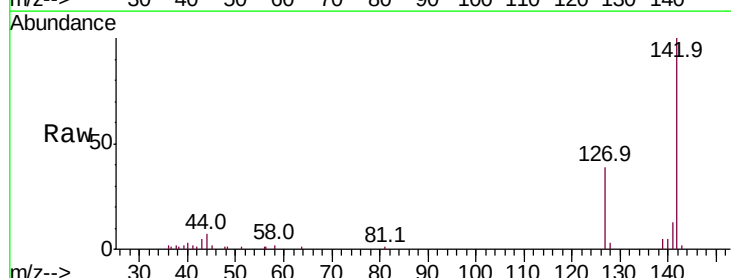
RT: 2.51 min Scan# 222

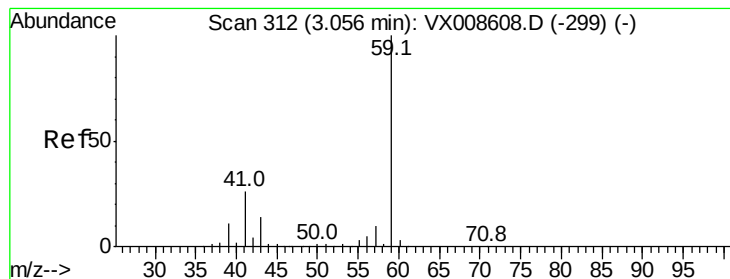
Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion:	142	Resp:	8595
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.6
141	15.4	11.4	17.2





#11

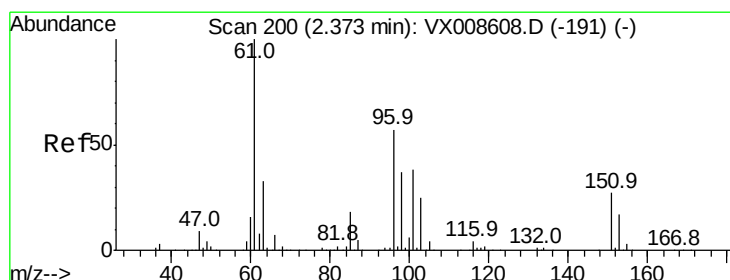
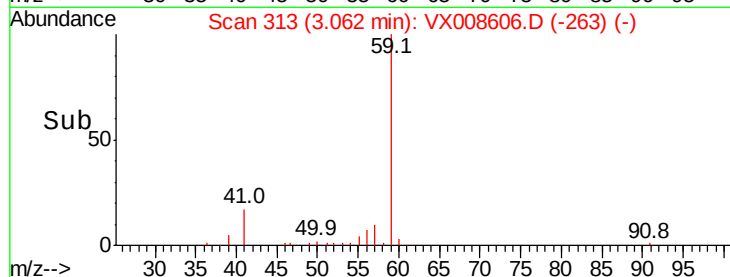
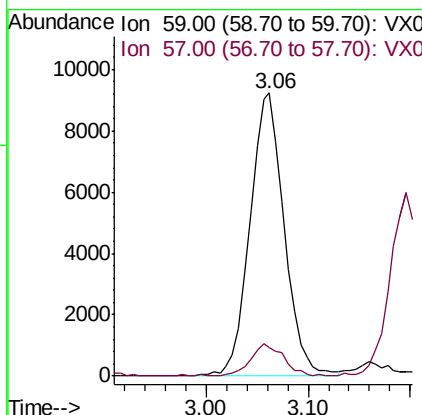
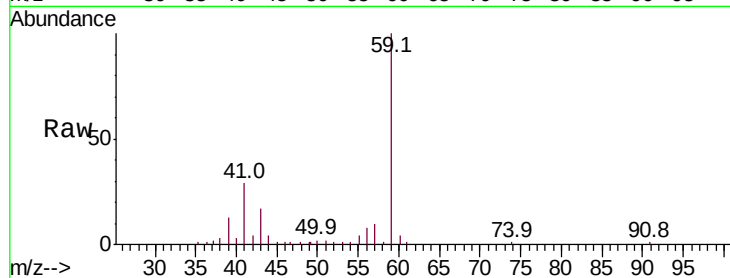
Tert butyl alcohol
 Concen: 27.463 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 21585
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.3 12.5

Manual Integrations
 APPROVED

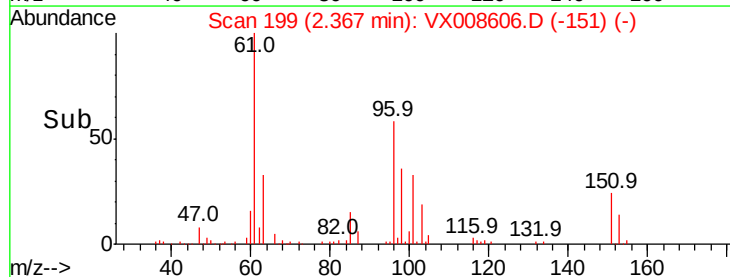
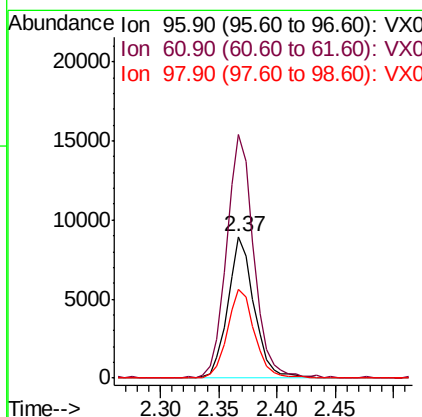
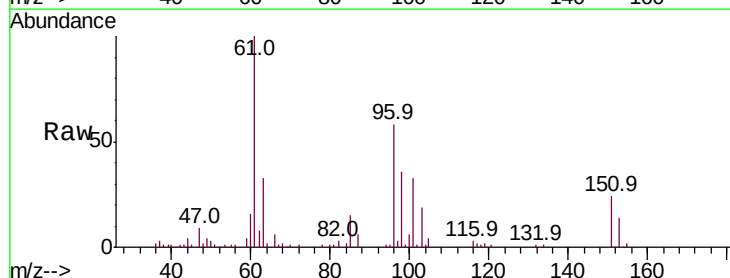
MMDadoda
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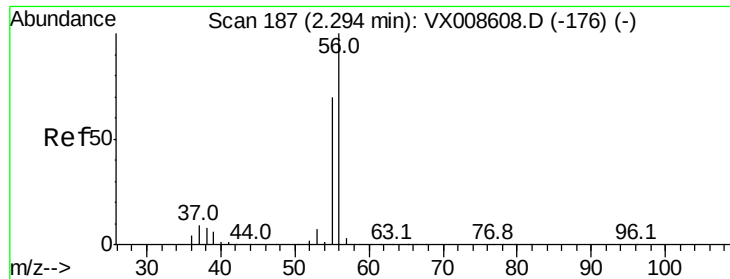


#12

1,1-Dichloroethene
 Concen: 5.278 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion: 96 Resp: 14046
 Ion Ratio Lower Upper
 96 100
 61 172.0 140.9 211.3
 98 62.6 52.1 78.1





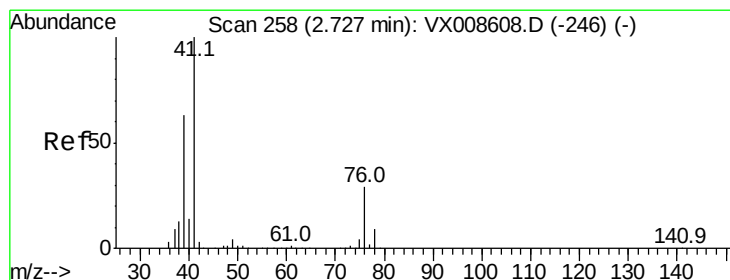
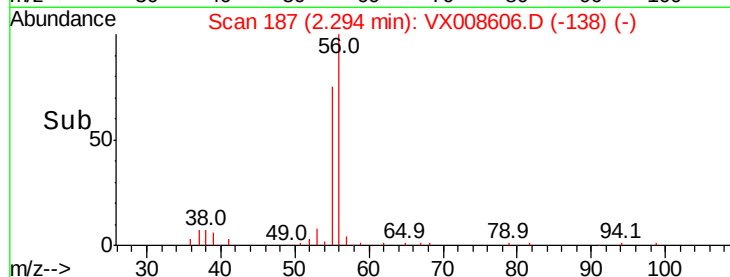
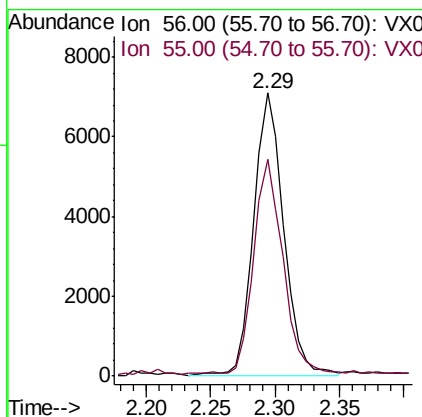
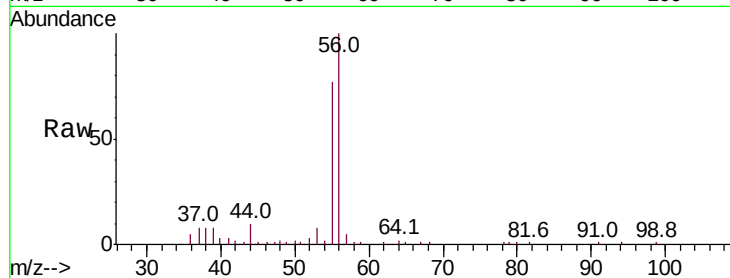
#13
Acrolein
Concen: 29.452 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	11478
Ion Ratio	100	Lower	Upper
55	72.6	58.0	87.0

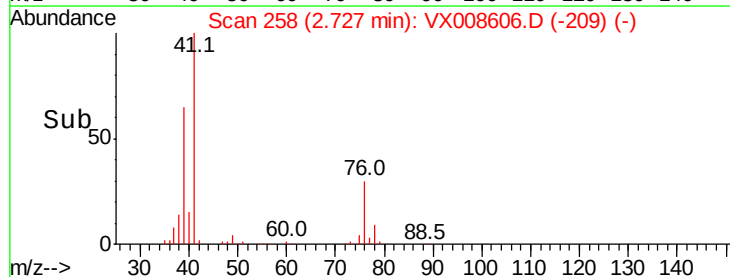
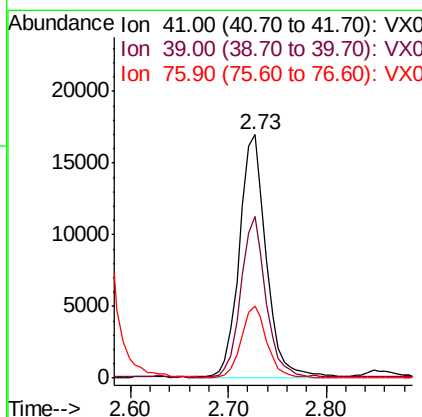
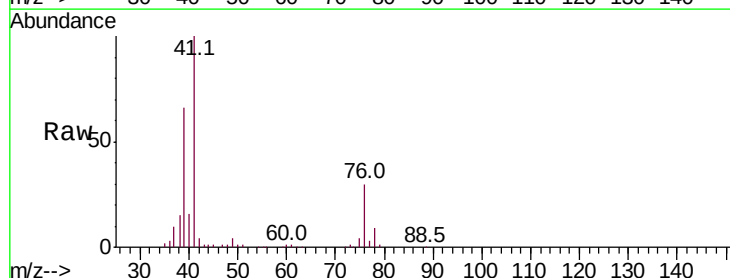
Manual Integrations
APPROVED

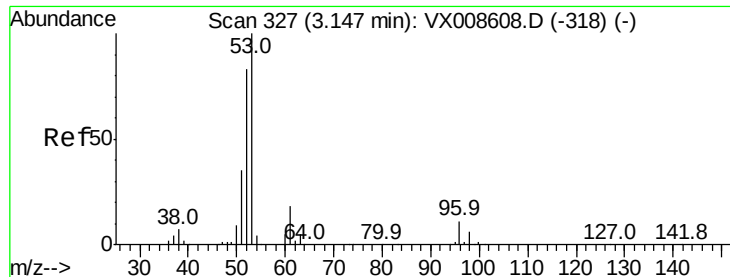
MMDadoda
4/4/2019 3:38:13 PM



#14
Allyl chloride
Concen: 5.378 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	41	Resp	32760
Ion Ratio	100	Lower	Upper
39	61.0	48.0	72.0
76	28.1	22.0	33.0





#15

Acrylonitrile

Concen: 27.985 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

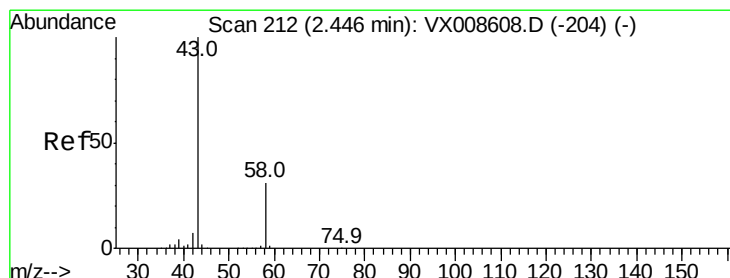
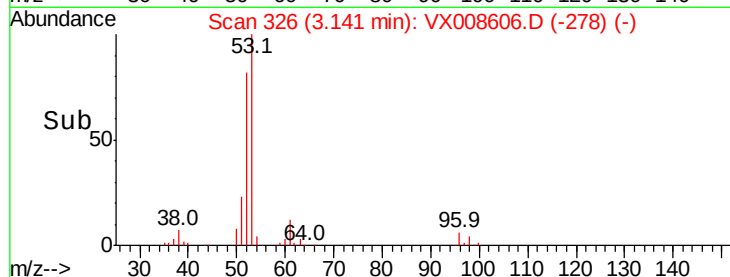
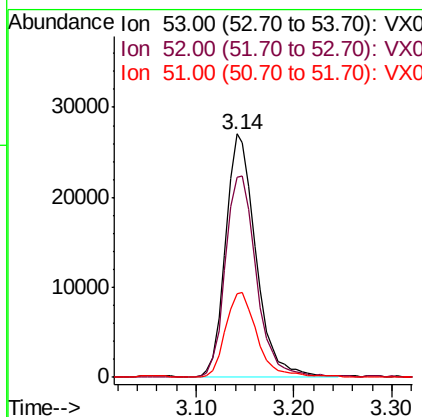
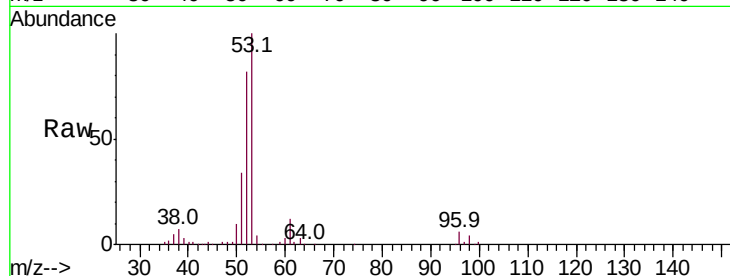
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	58269
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.5	99.7
51	36.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 27.606 ug/l

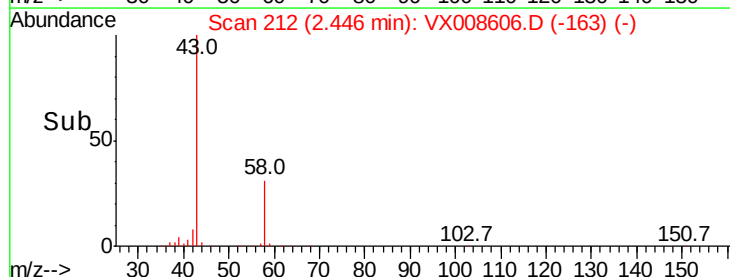
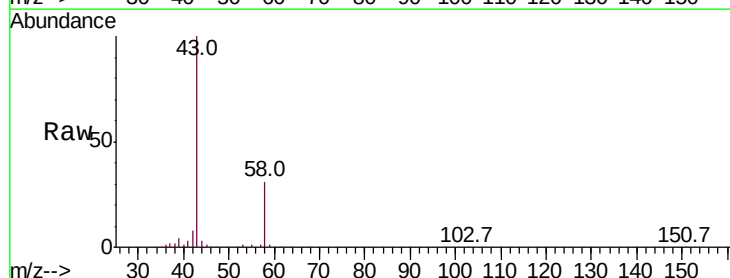
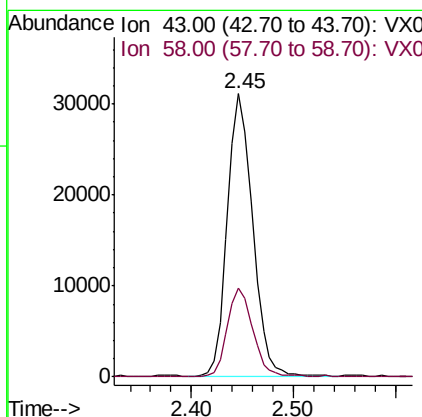
RT: 2.45 min Scan# 212

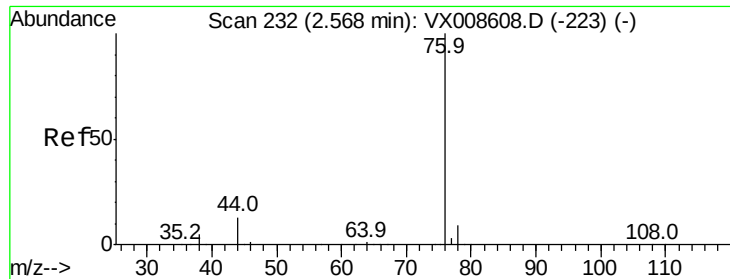
Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion:	43	Resp:	53380
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.8	37.2





#17

Carbon Disulfide

Concen: 5.029 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 42983

Ion Ratio Lower Upper

76 100

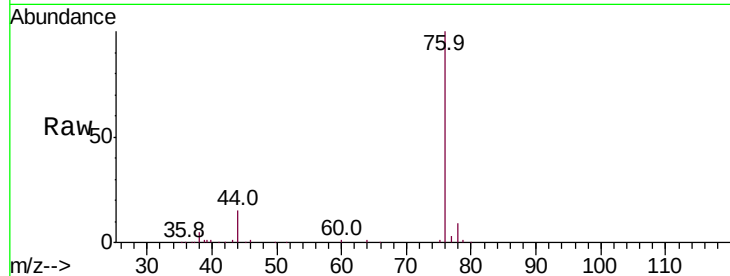
78 8.8 7.1 10.7

Manual Integrations

APPROVED

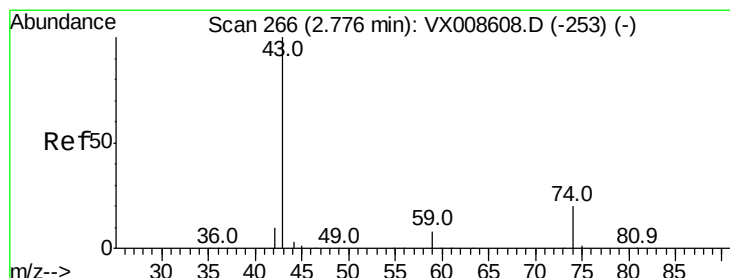
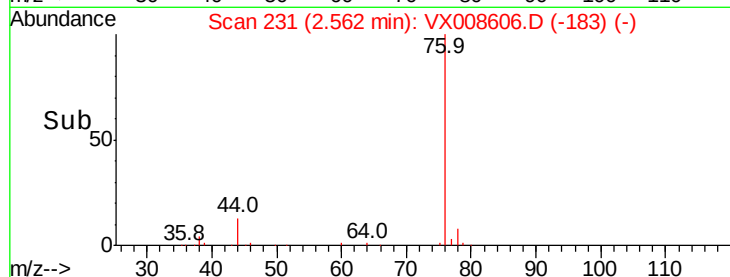
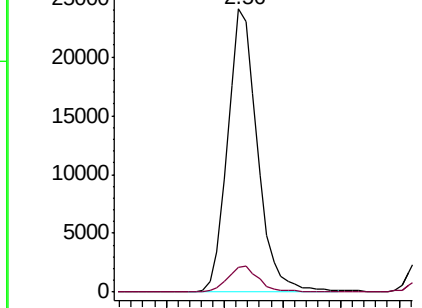
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 5.575 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008606.D

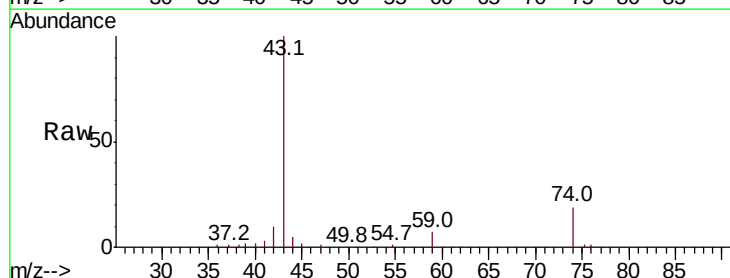
Acq: 03 Apr 2019 09:56

Tgt Ion: 43 Resp: 26144

Ion Ratio Lower Upper

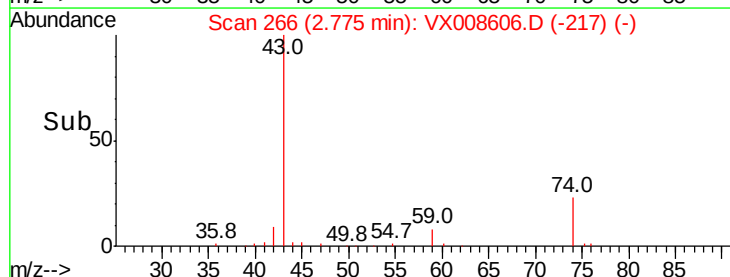
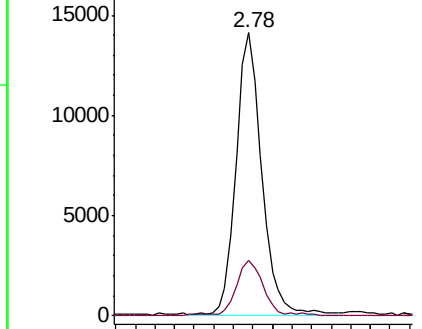
43 100

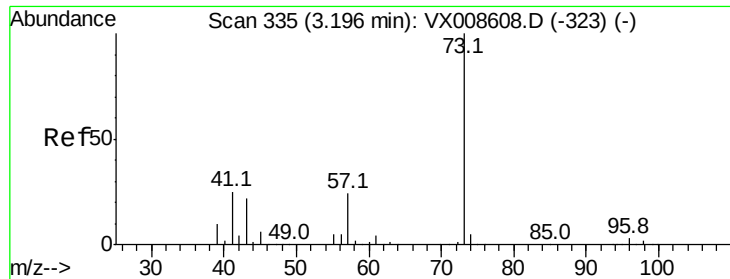
74 20.9 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





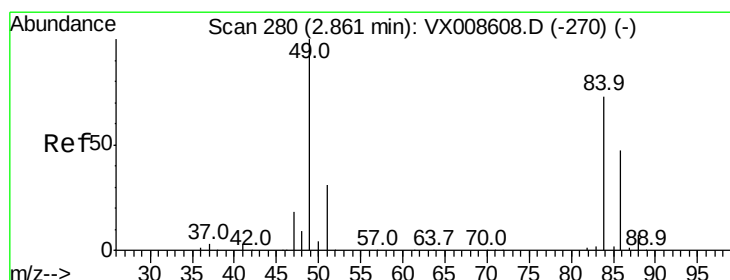
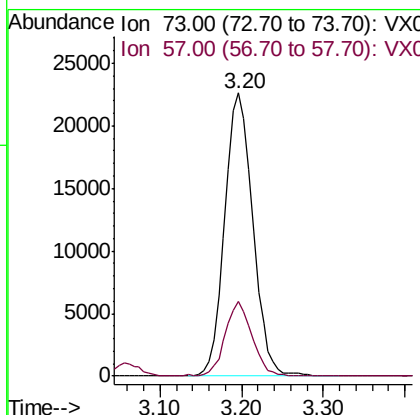
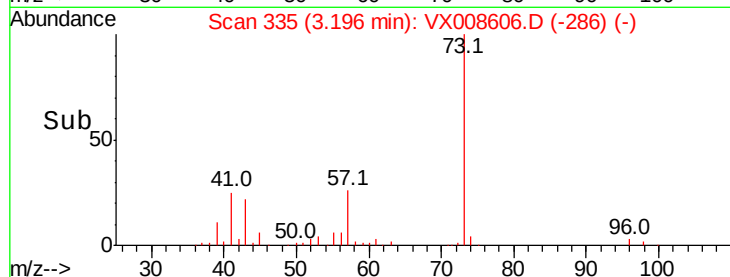
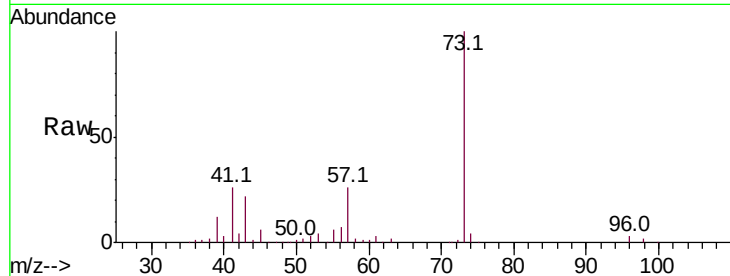
#19
Methyl tert-butyl Ether
Concen: 5.663 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.5	19.5	29.3

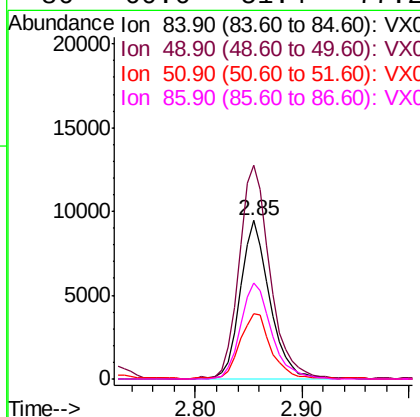
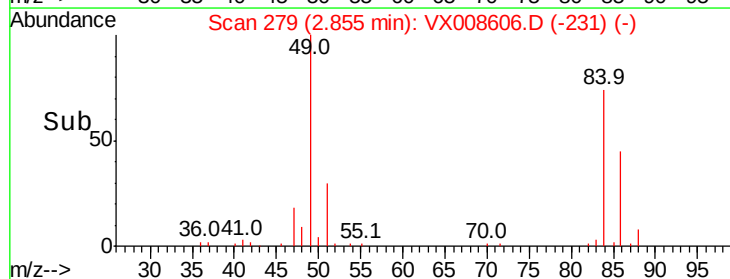
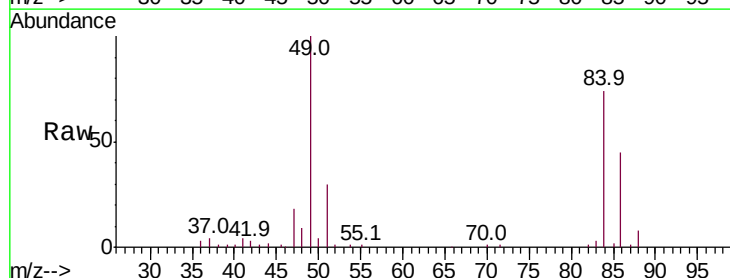
Manual Integrations
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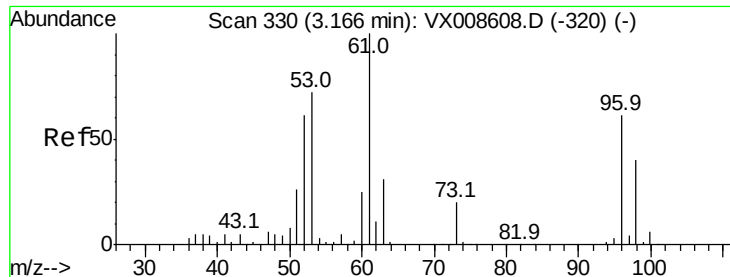
MMDadoda
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#20
Methylene Chloride
Concen: 5.659 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.1	109.7	164.5
51	40.9	33.6	50.4
86	60.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 5.542 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 15951

Ion Ratio Lower Upper

96 100

61 149.0 132.1 198.1

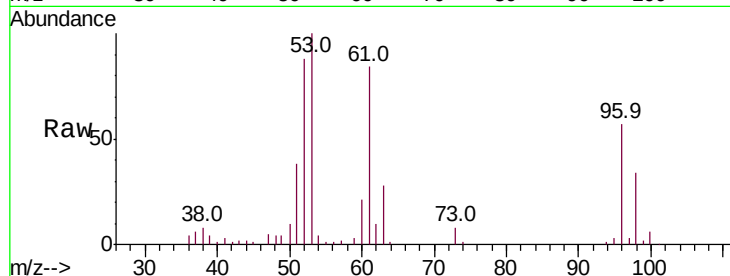
98 59.5 52.2 78.2

Manual Integrations

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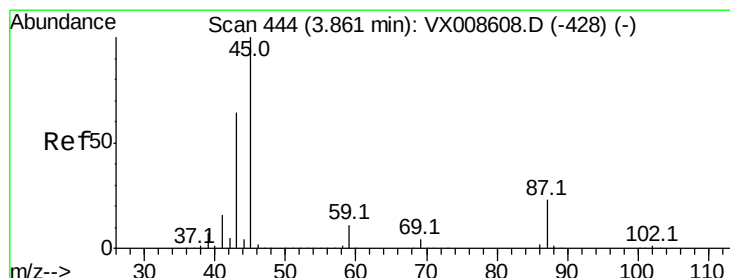
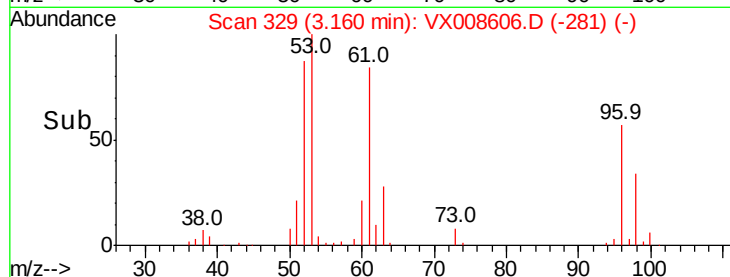
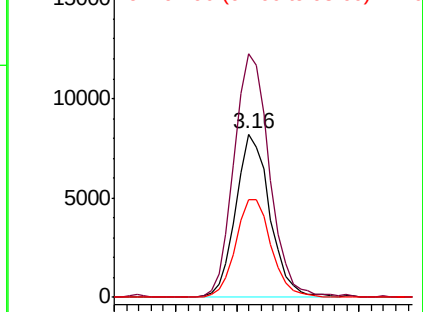


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.722 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion: 45 Resp: 67178

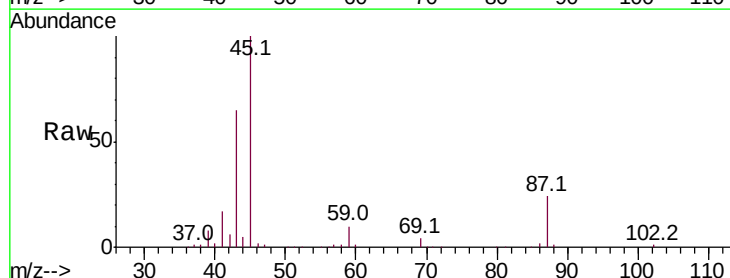
Ion Ratio Lower Upper

45 100

43 63.9 51.3 76.9

87 23.7 18.1 27.1

59 10.0 8.6 13.0



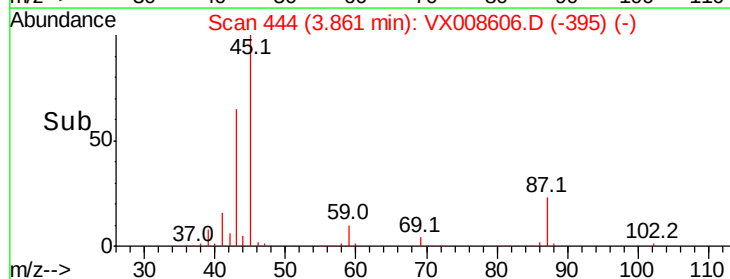
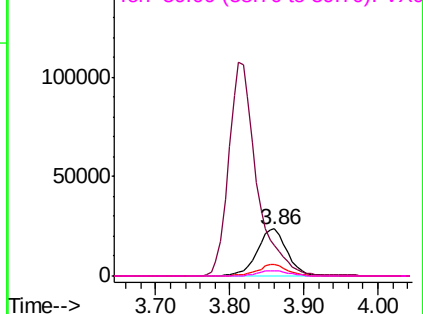
Abundance

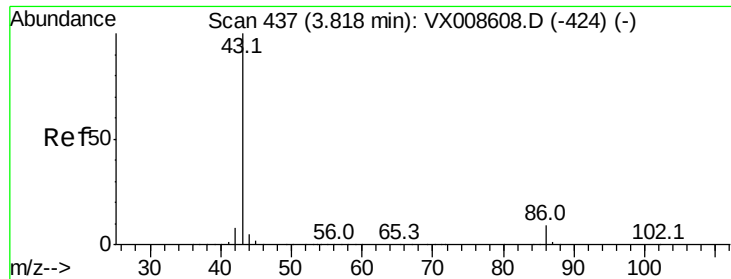
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 27.736 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 283299

Ion Ratio Lower Upper

43 100

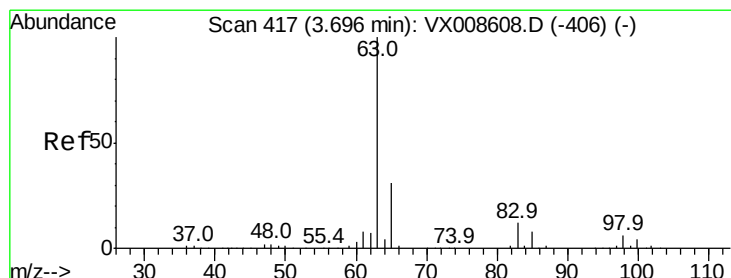
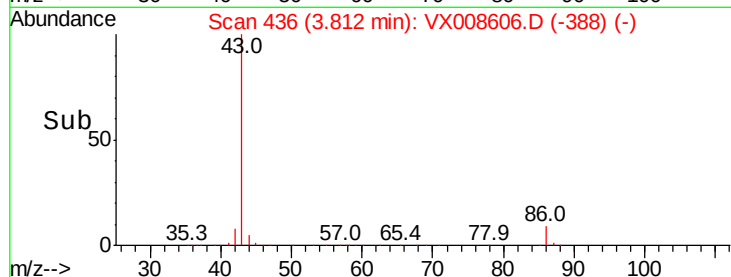
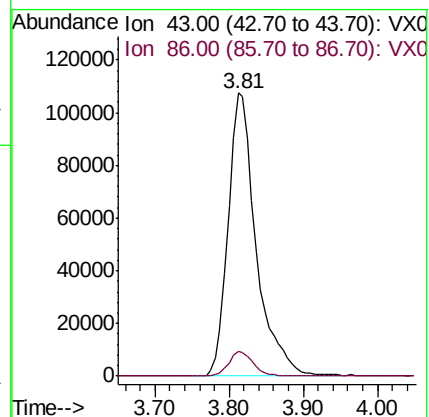
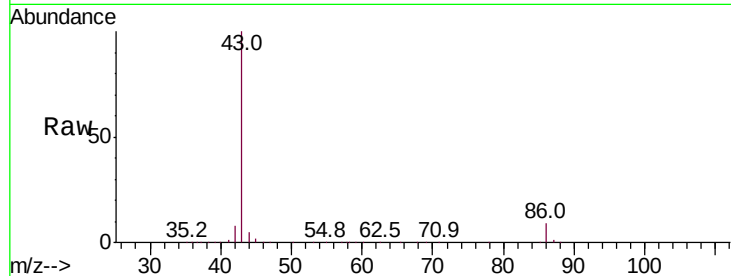
86 8.8 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.600 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

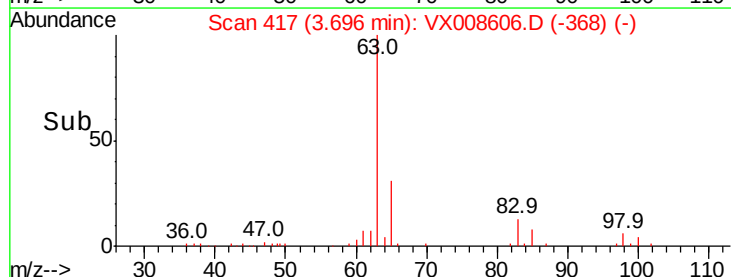
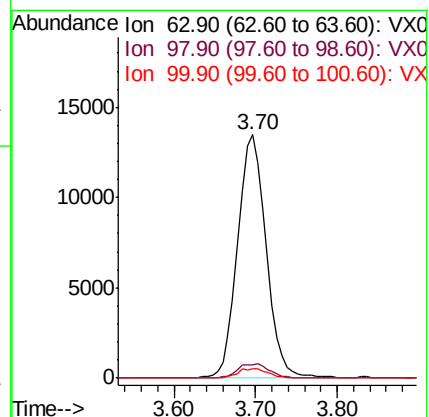
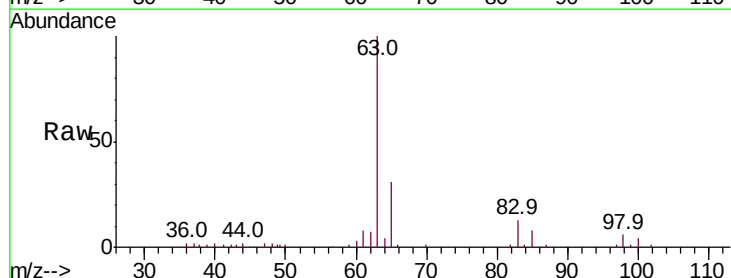
Tgt Ion: 63 Resp: 32553

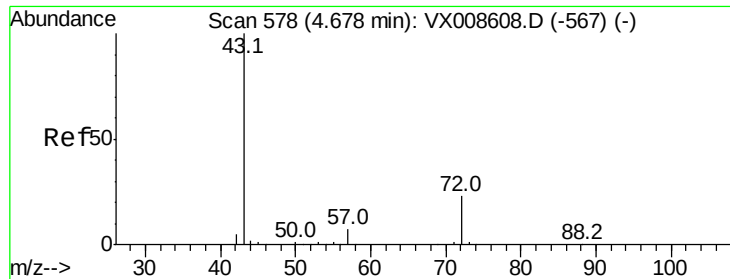
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 28.214 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 86227

Ion Ratio Lower Upper

43 100

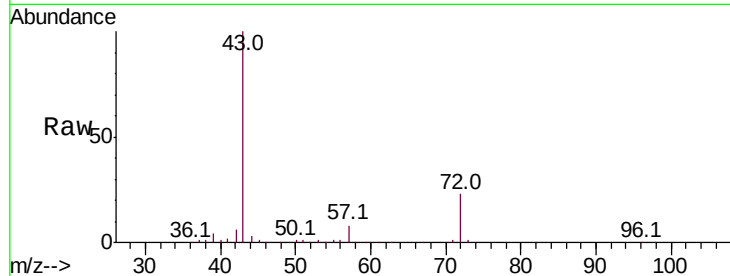
72 23.1 18.2 27.4

Manual Integrations

APPROVED

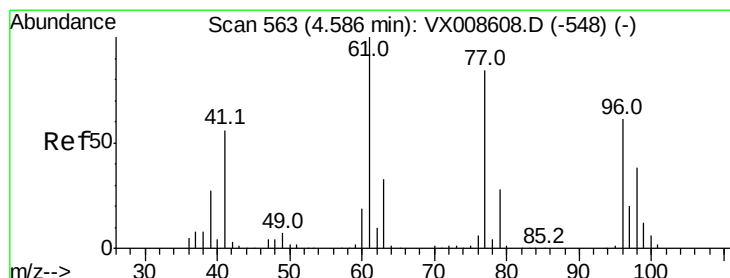
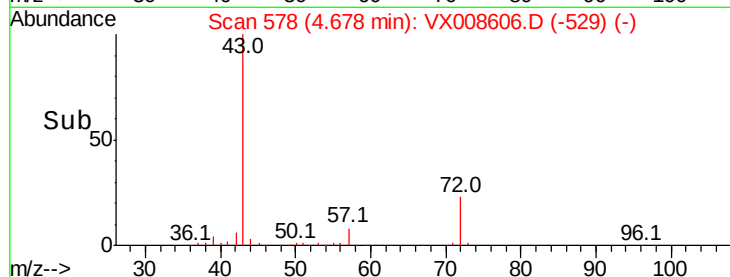
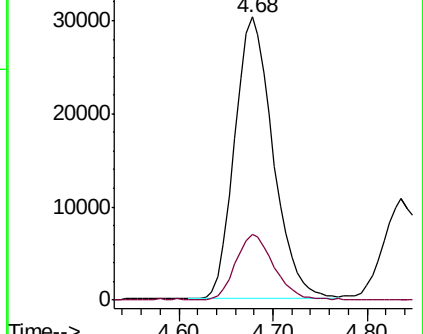
MMDadoda

4/4/2019 3:38:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.407 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008606.D

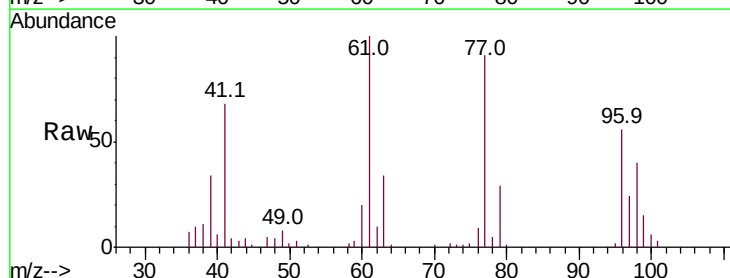
Acq: 03 Apr 2019 09:56

Tgt Ion: 77 Resp: 22137

Ion Ratio Lower Upper

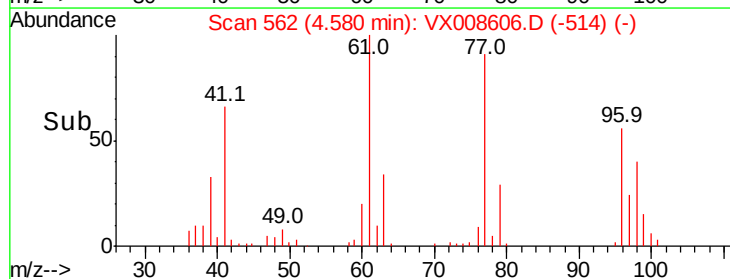
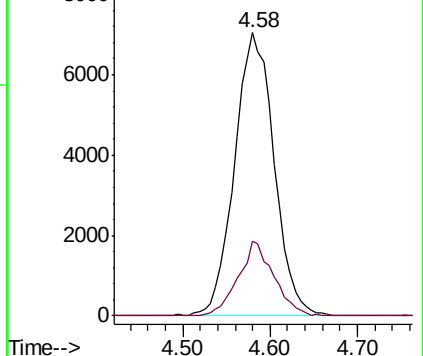
77 100

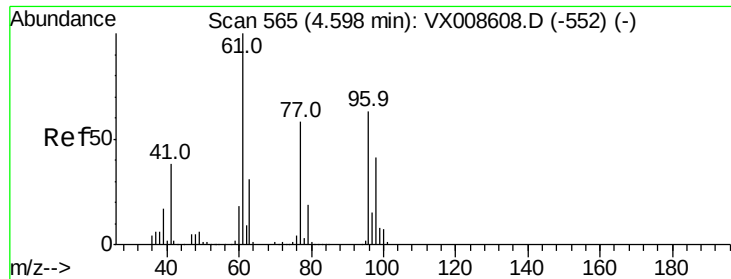
97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

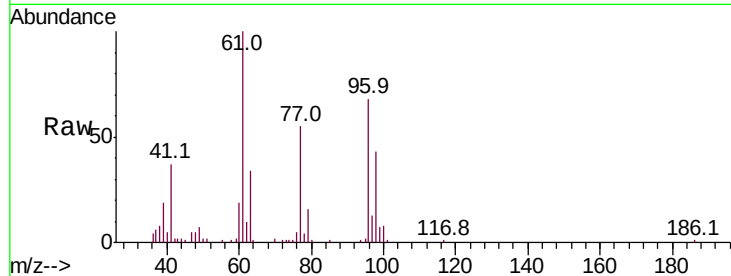
cis-1,2-Dichloroethene
Concen: 5.498 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

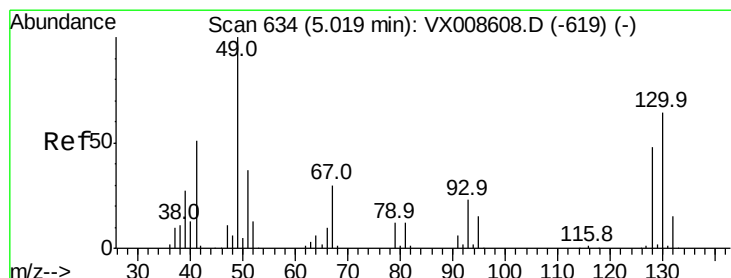
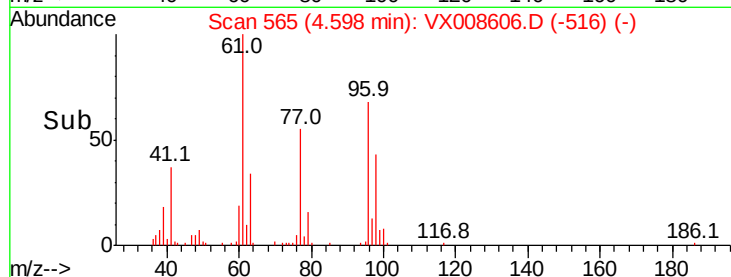
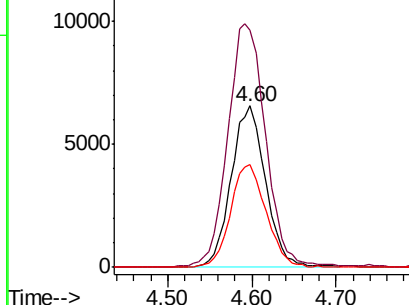
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.9	0.0	327.6	
98	65.3	0.0	128.6	

Manual Integrations
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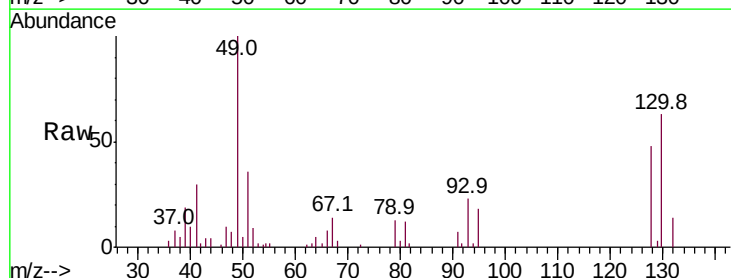
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



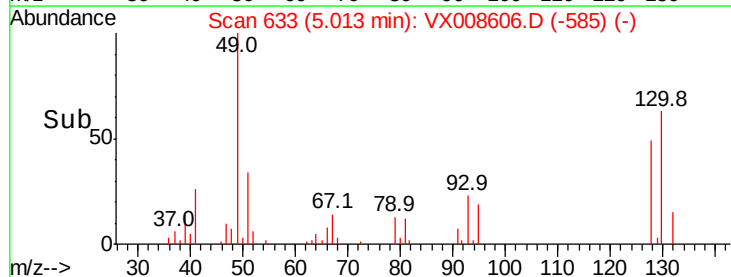
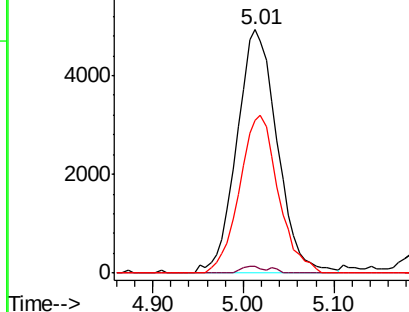
#28

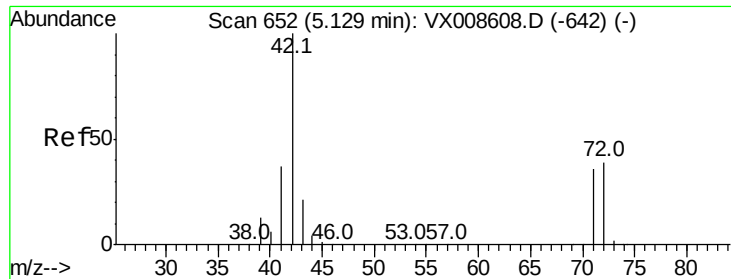
Bromochloromethane
Concen: 5.527 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	62.0	49.3	73.9	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





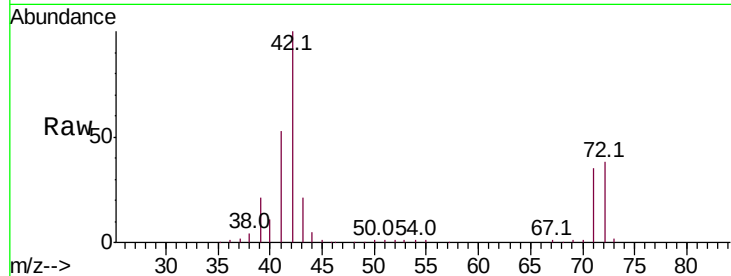
#29
Tetrahydrofuran
Concen: 27.771 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.5	45.7
71	36.5	28.6	43.0

Manual Integrations
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4/4/2019 3:38:13 PM

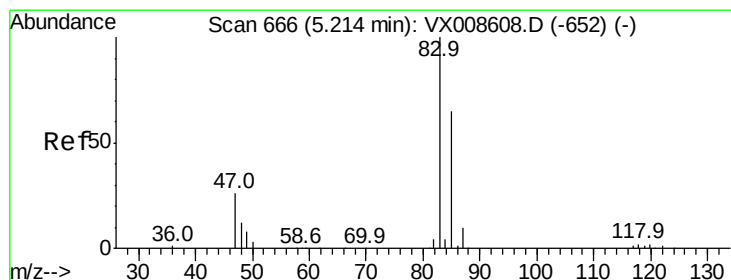
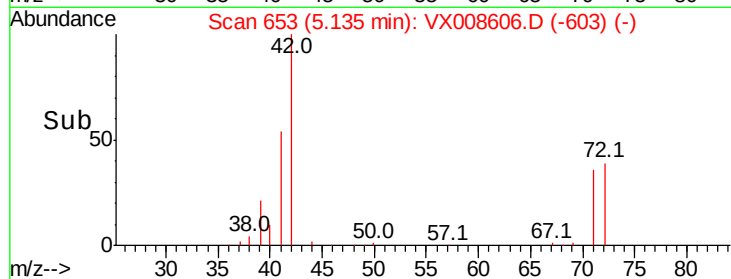
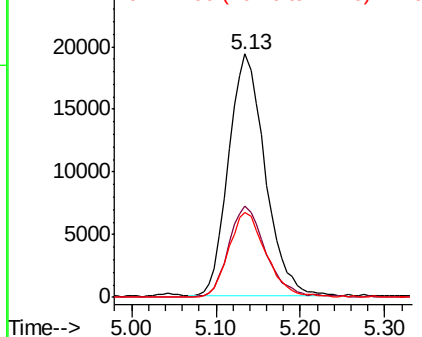


Abundance

Ion 42.00 (41.70 to 42.70): VX0

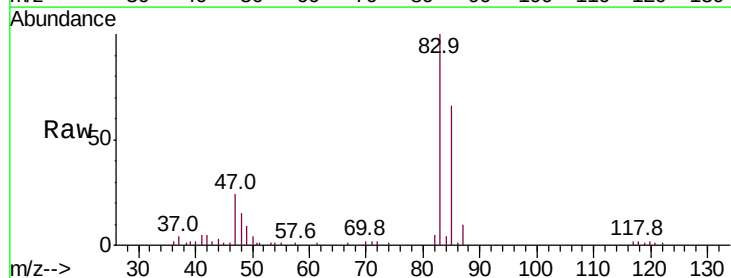
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30
Chloroform
Concen: 5.661 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

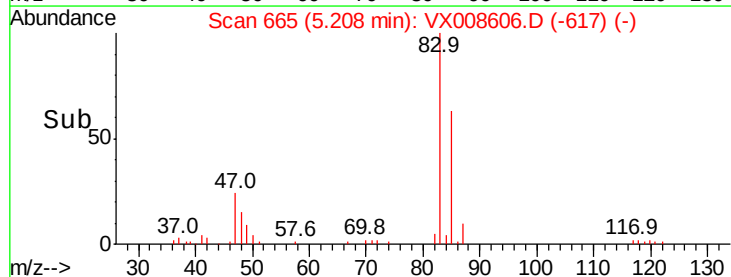
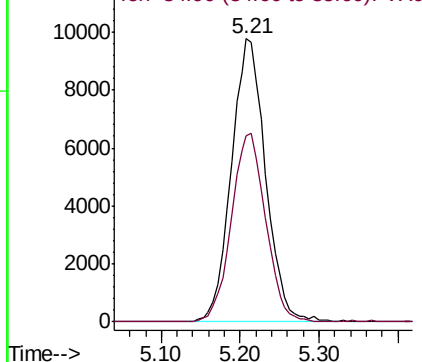
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.1	78.1

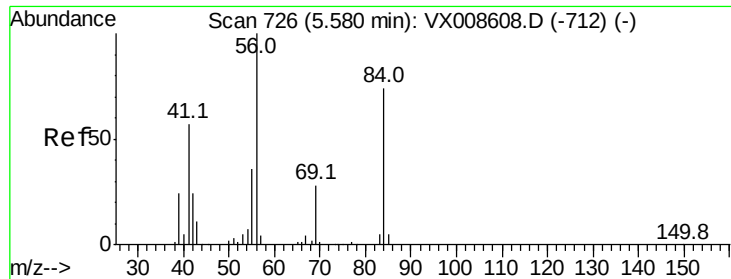


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





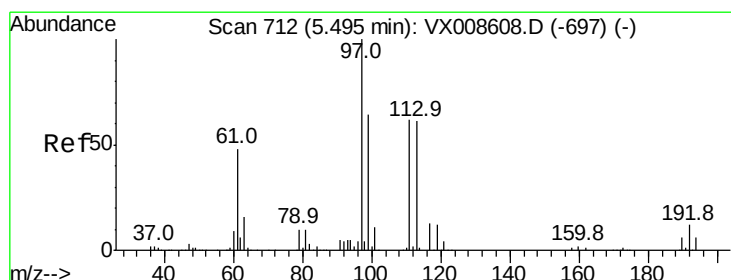
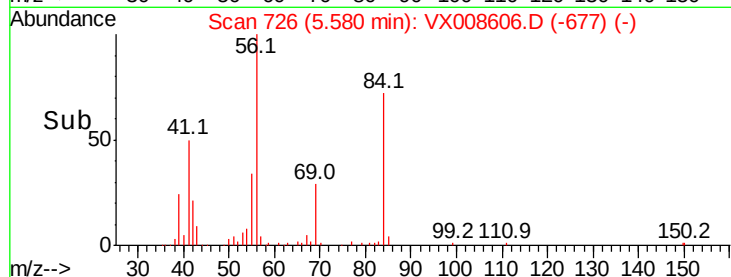
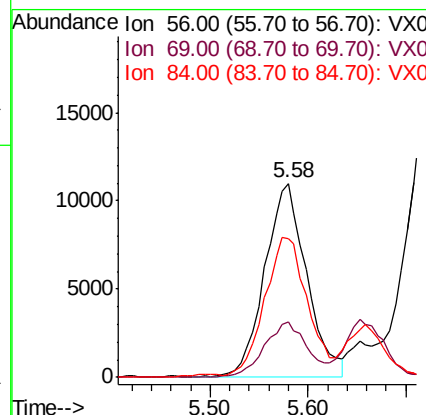
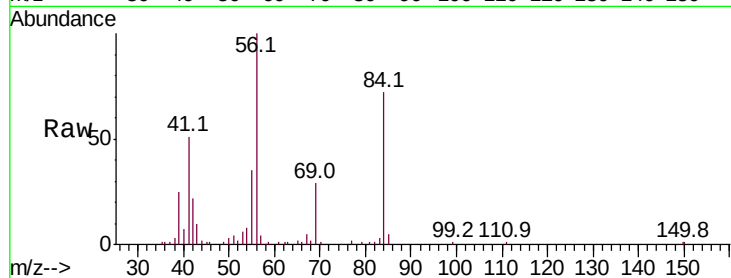
#31
Cyclohexane
Concen: 5.696 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.6	33.8
84	70.5	59.3	88.9

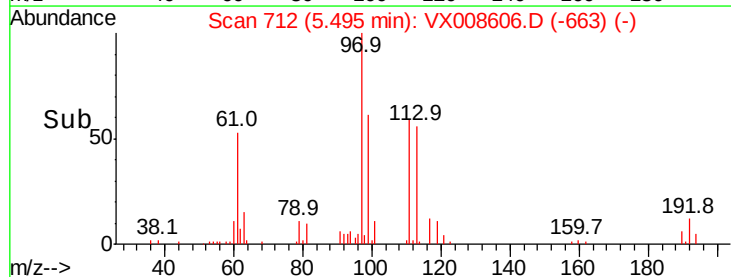
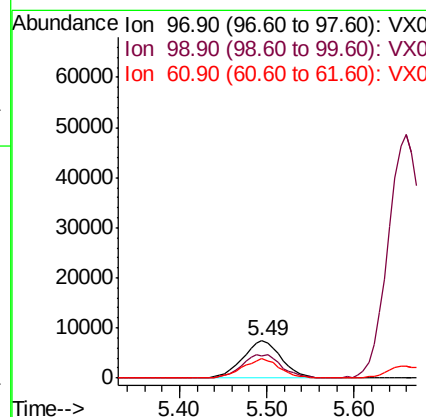
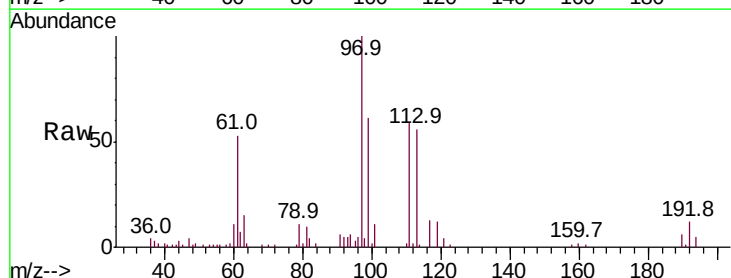
Manual Integrations
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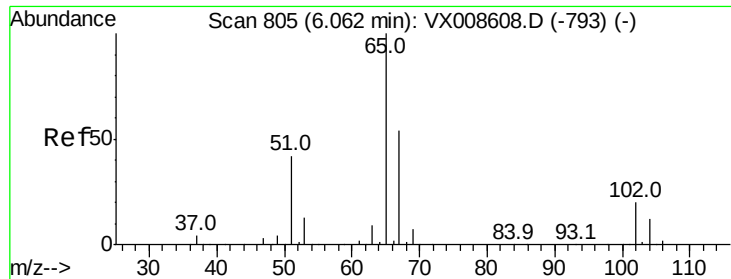
MMDadoda
4/4/2019 3:38:13 PM



#32
1,1,1-Trichloroethane
Concen: 5.436 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	50.5	38.9	58.3





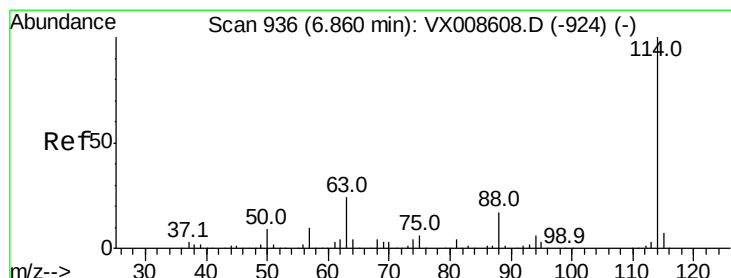
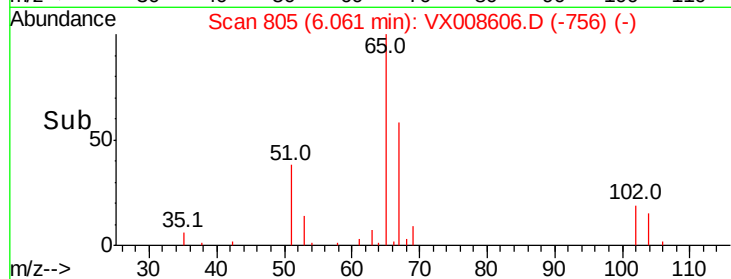
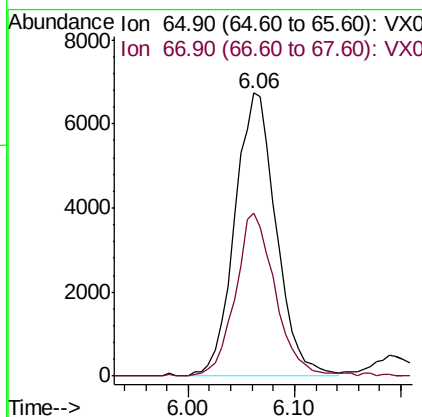
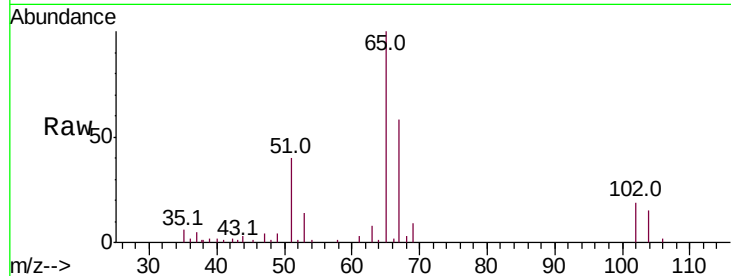
#33
 1,2-Dichloroethane-d4
 Concen: 5.475 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	107.2

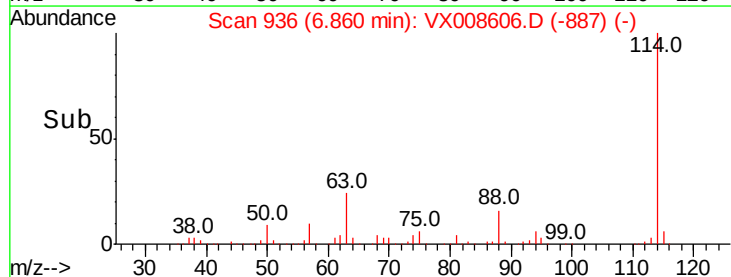
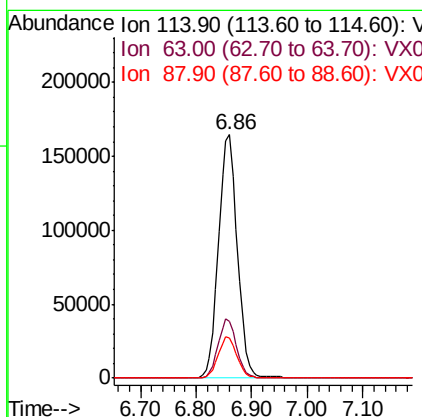
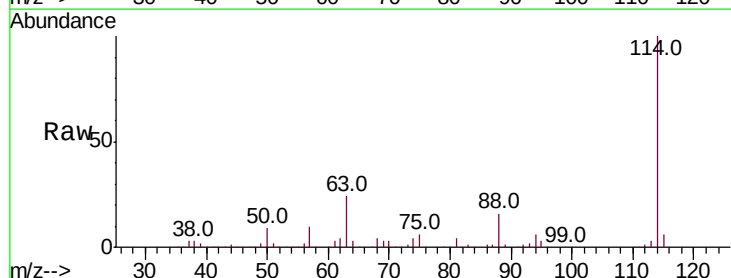
Manual Integrations
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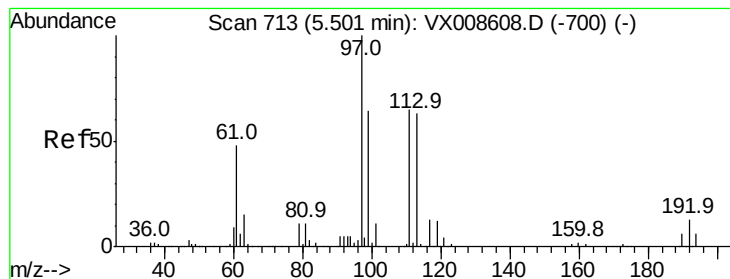
MMDadoda
 4/4/2019 3:38:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	47.2
88	16.5	0.0	34.0





#35

Dibromofluoromethane

Concen: 5.284 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 13065

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

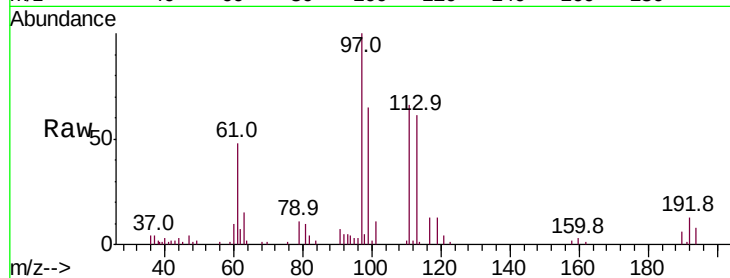
192 19.9 16.1 24.1

Manual Integrations

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MMDadoda

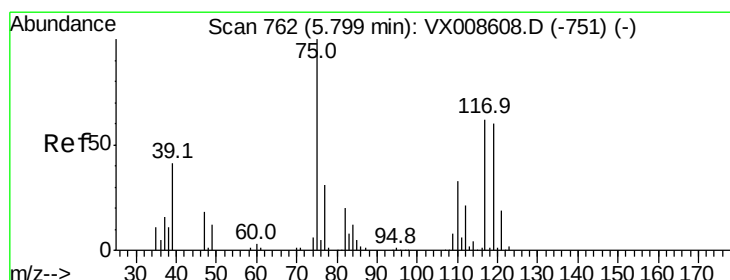
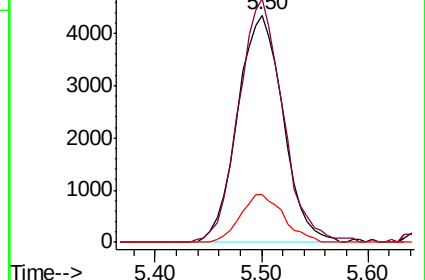
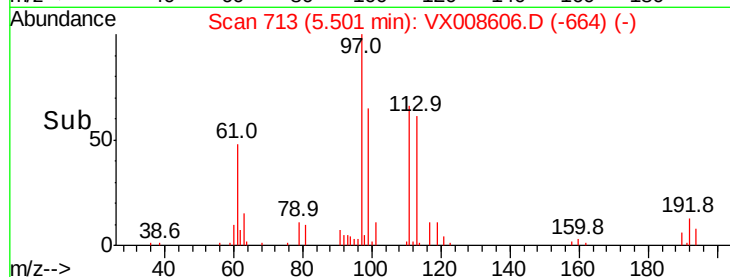
4/4/2019 3:38:13 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.308 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

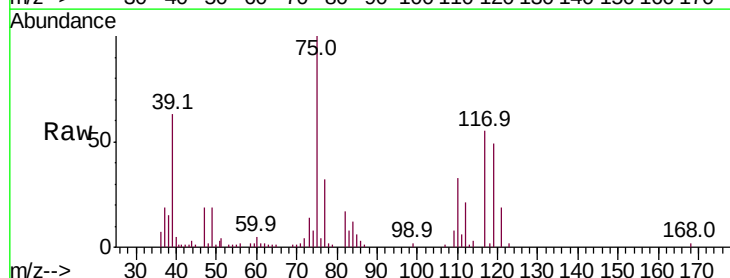
Tgt Ion: 75 Resp: 22439

Ion Ratio Lower Upper

75 100

110 34.0 16.4 49.2

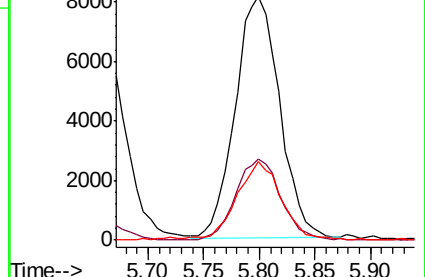
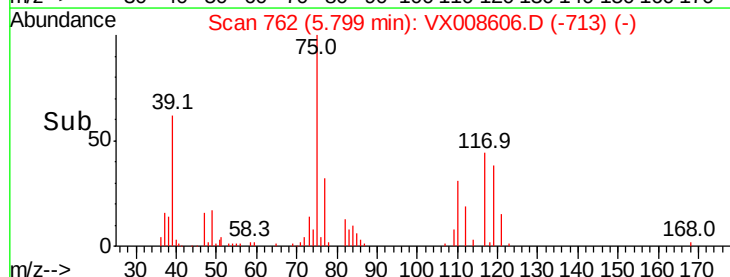
77 32.5 24.7 37.1

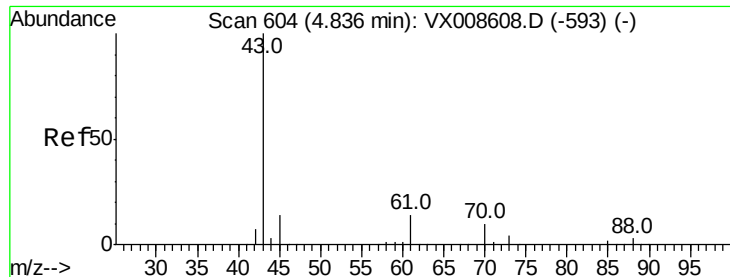


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





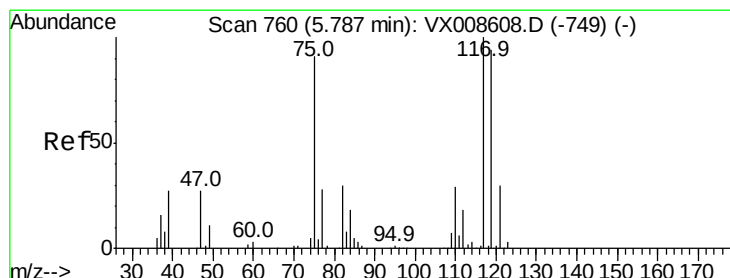
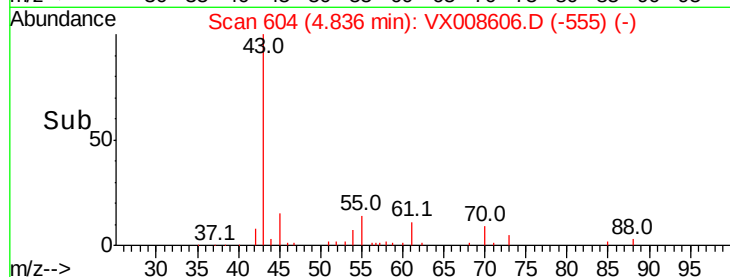
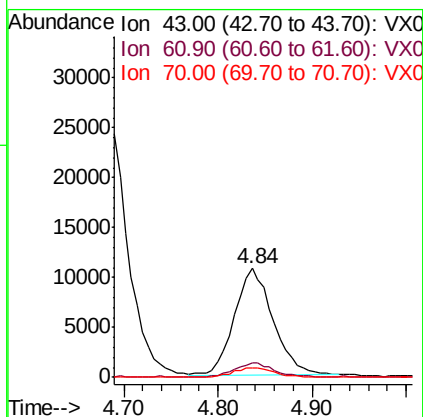
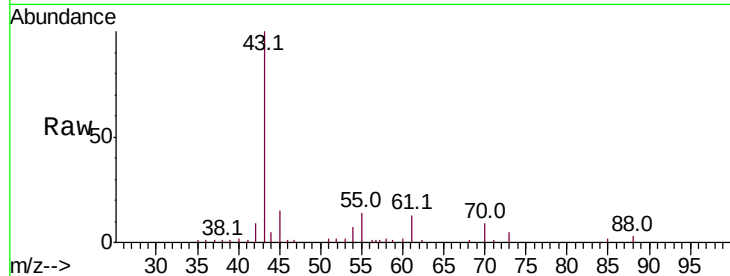
#37
Ethyl Acetate
Concen: 5.414 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	10.2	7.6	11.4

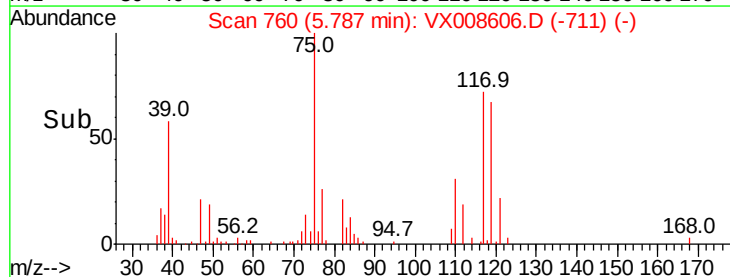
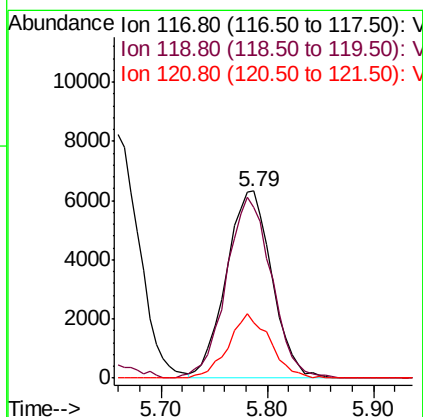
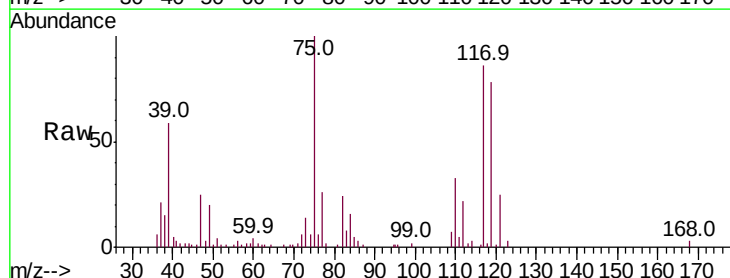
Manual Integrations
APPROVED

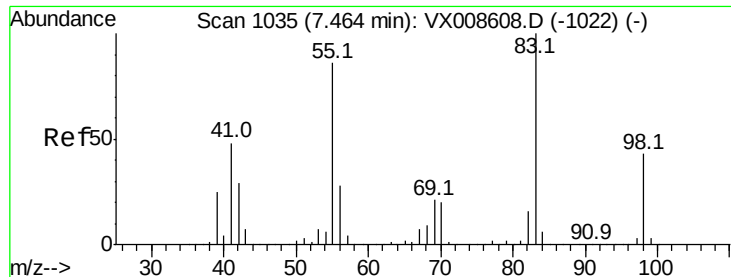
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.430 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.6
121	29.5	24.3	36.5





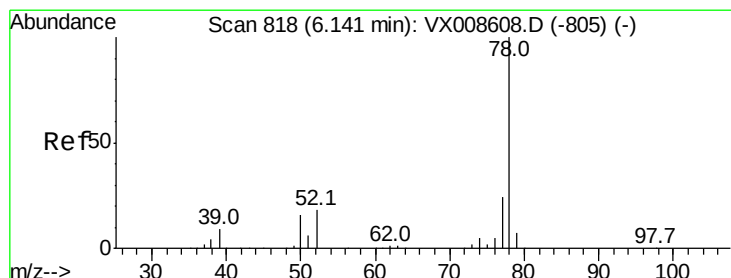
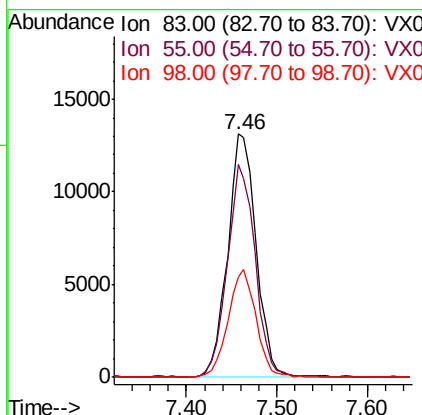
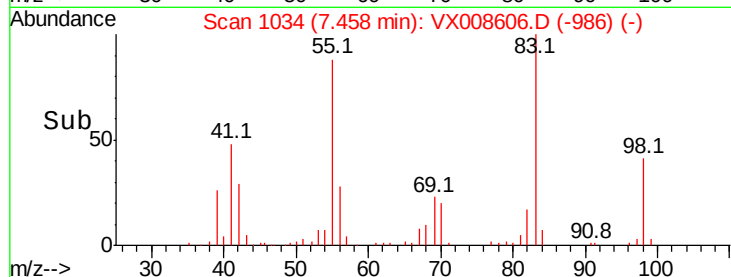
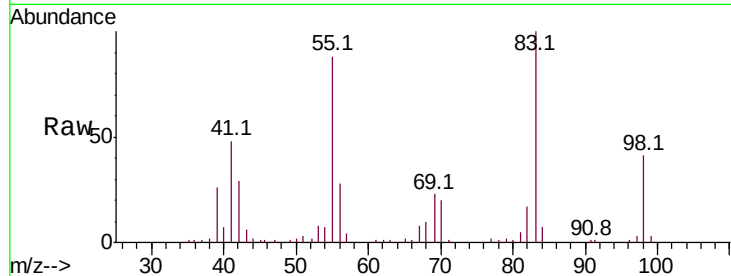
#39
Methylvlcyclohexane
Concen: 5.539 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	69.0	103.6
98	41.1	34.4	51.6

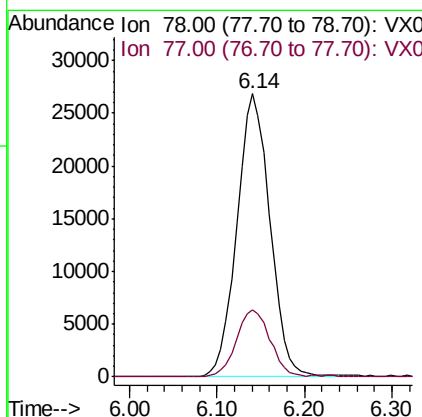
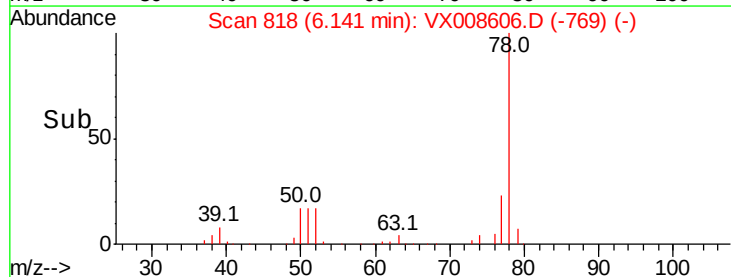
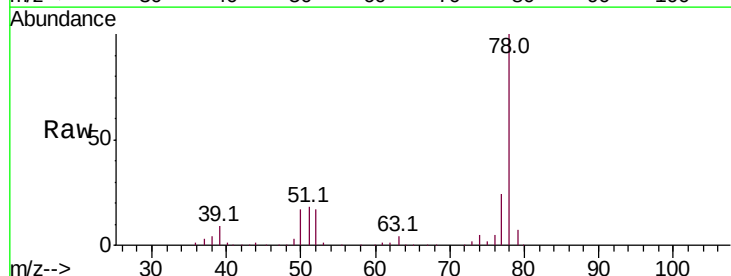
Manual Integrations
APPROVED

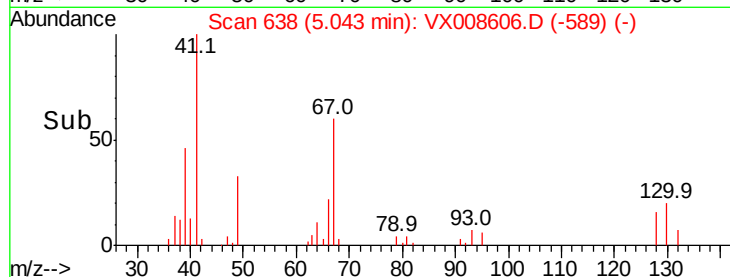
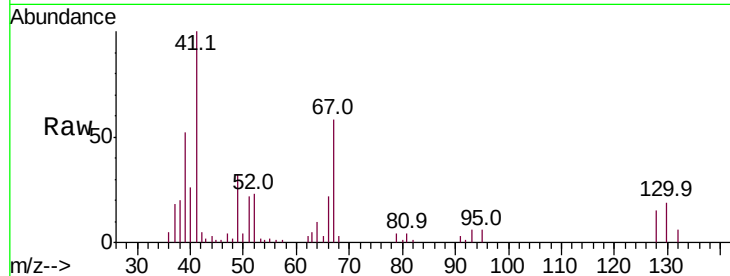
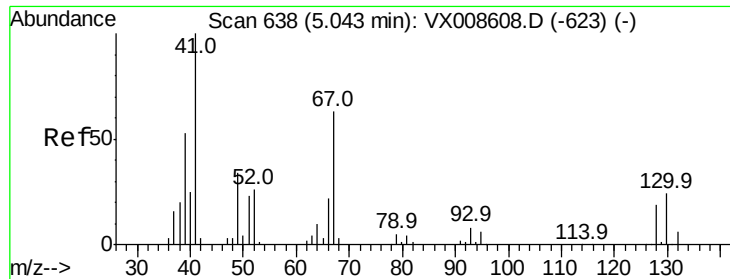
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#40
Benzene
Concen: 5.602 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





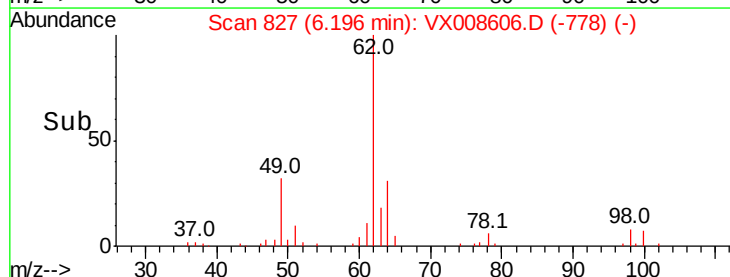
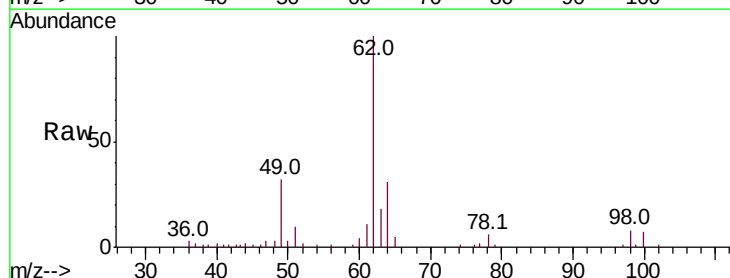
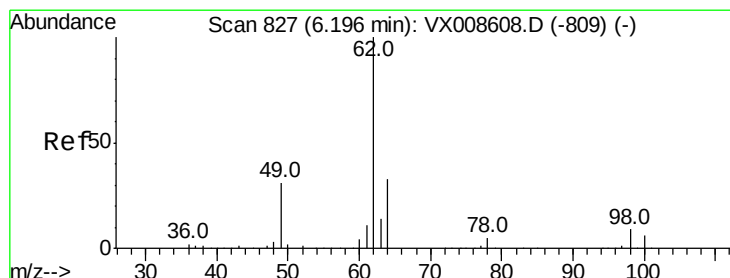
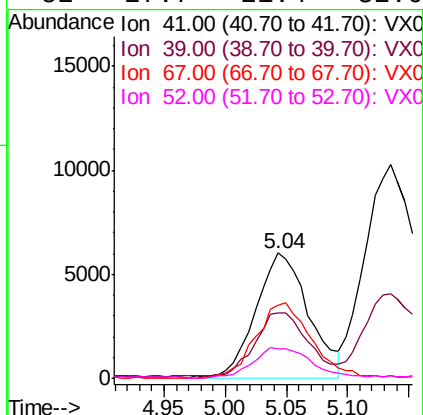
#41
Methacrylonitrile
Concen: 5.591 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.5	42.1	63.1	
67	63.6	51.0	76.6	
52	27.7	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

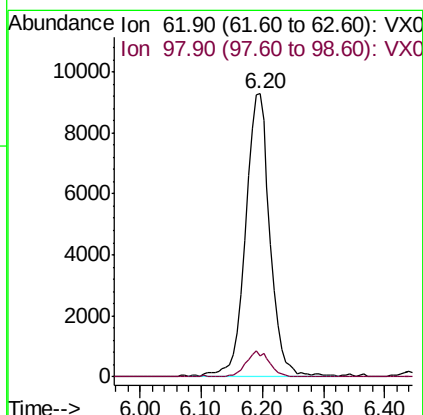
Manual Integrations
APPROVED

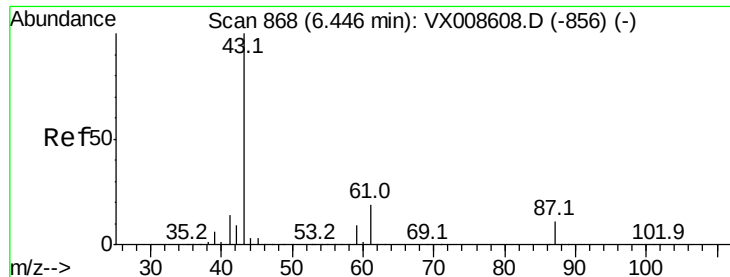
MMDadoda
4/4/2019 3:38:13 PM



#42
1,2-Dichloroethane
Concen: 5.737 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.0	





#43

Isopropyl Acetate

Concen: 5.484 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

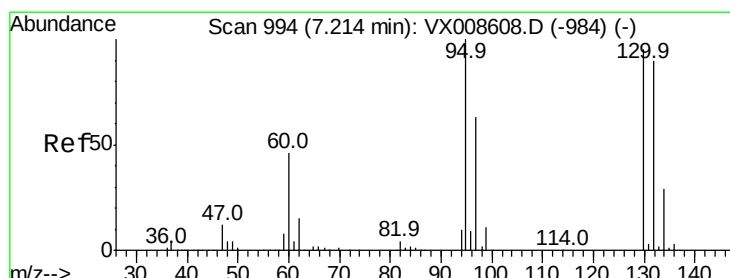
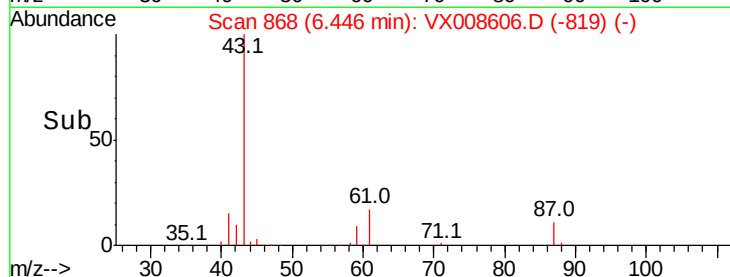
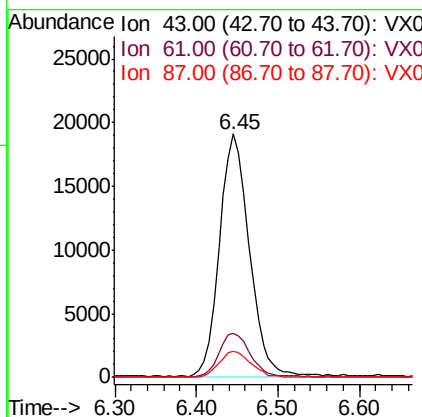
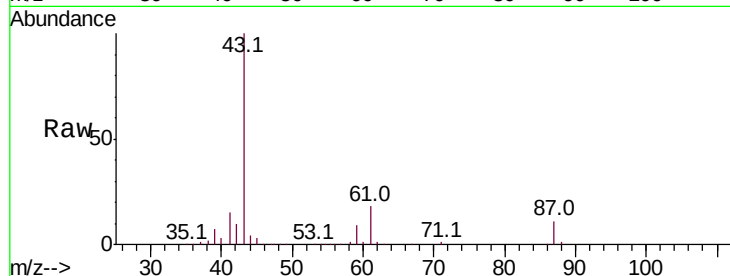
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	48478
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 5.607 ug/l

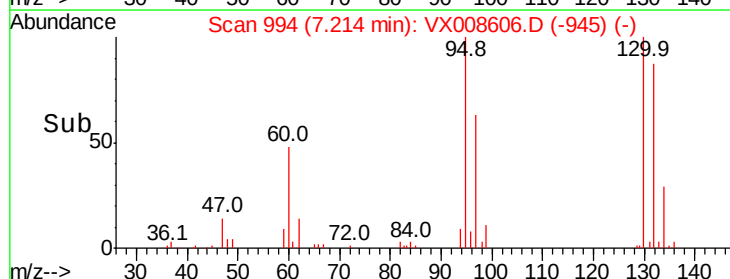
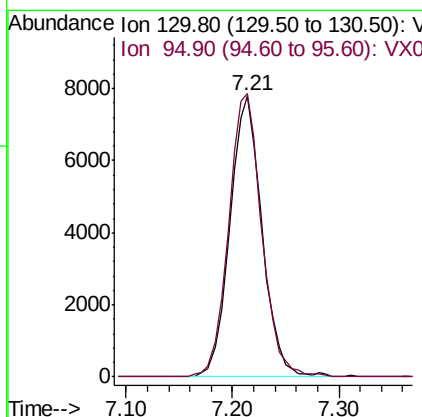
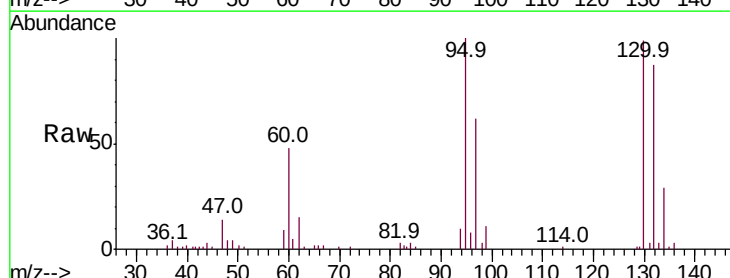
RT: 7.21 min Scan# 994

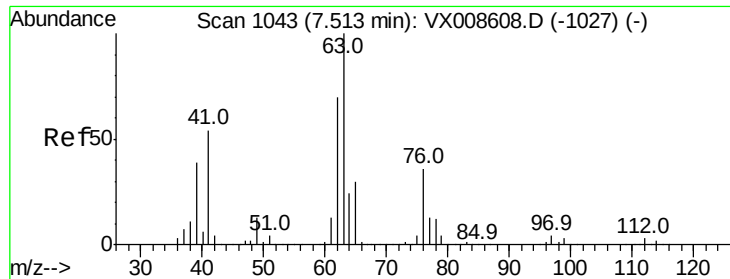
Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion:	130	Resp:	16448
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	209.8





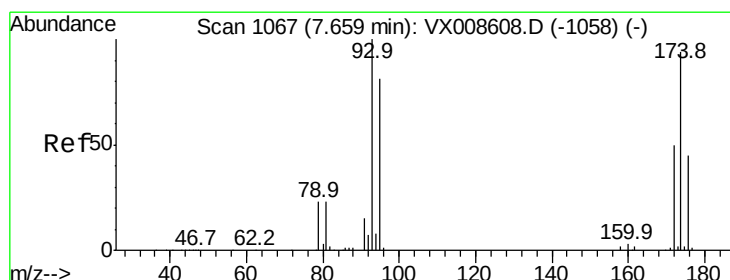
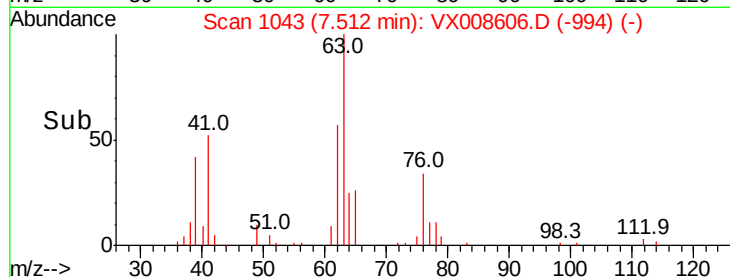
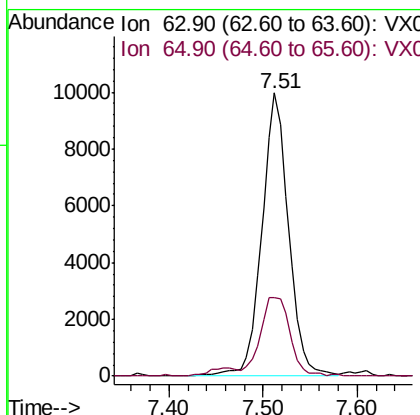
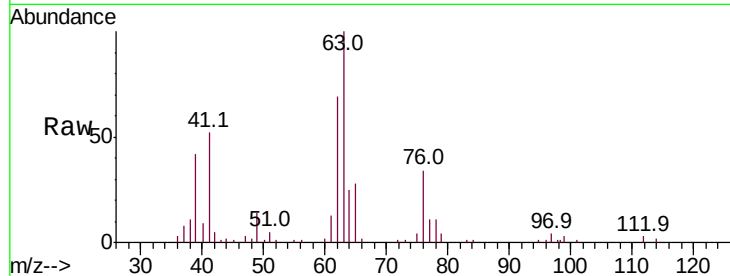
#45
 1,2-Dichloropropane
 Concen: 5.533 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 19888
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.2 36.4

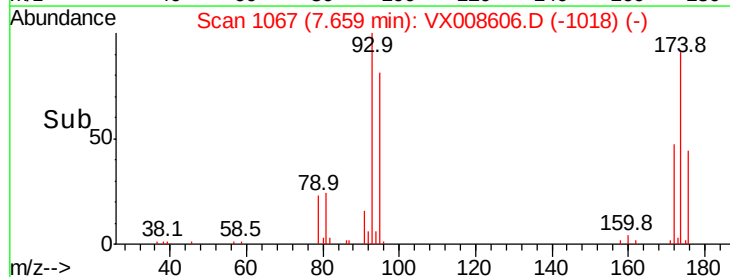
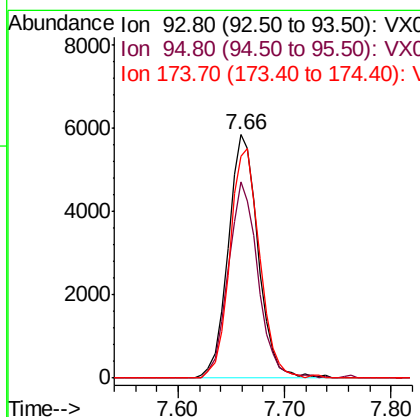
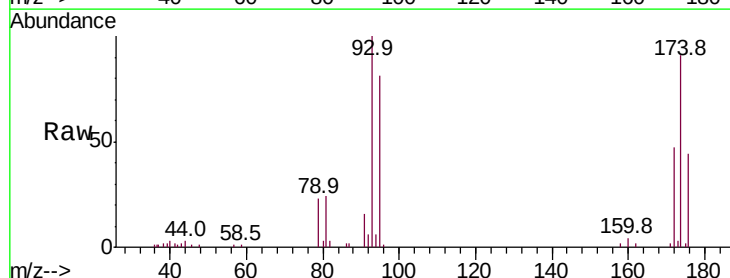
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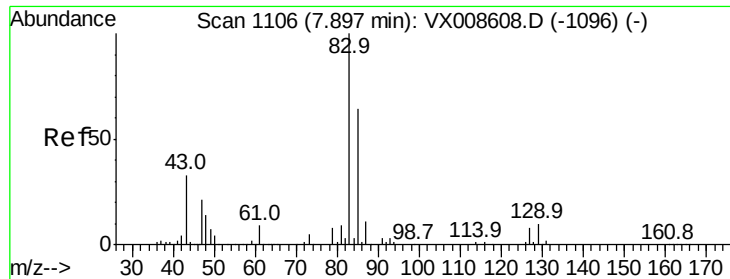
MMDadoda
 4/4/2019 3:38:13 PM



#46
 Dibromomethane
 Concen: 5.540 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion: 93 Resp: 11551
 Ion Ratio Lower Upper
 93 100
 95 80.0 66.6 99.8
 174 93.6 77.7 116.5





#47

Bromodichloromethane

Concen: 5.395 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

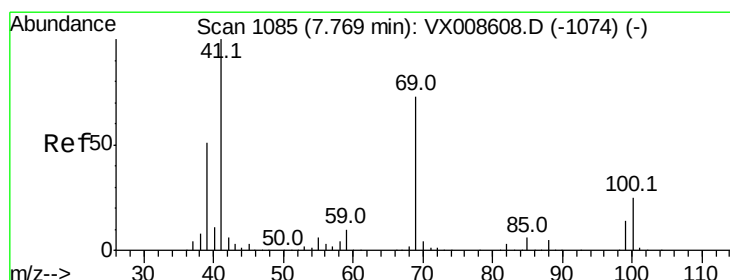
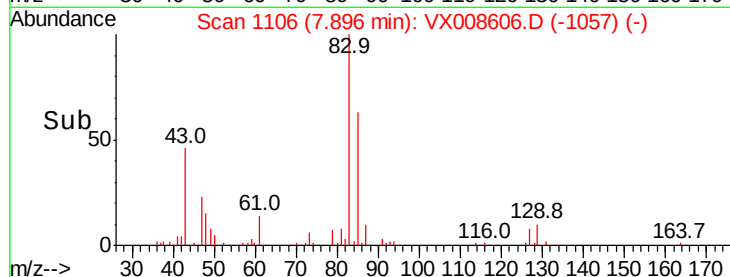
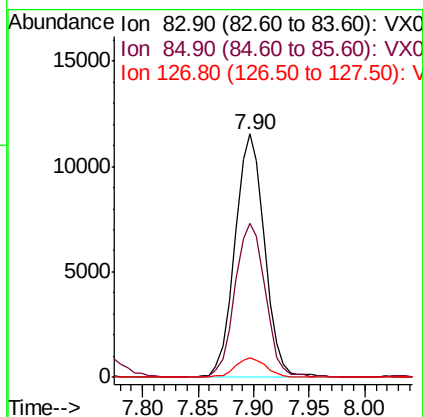
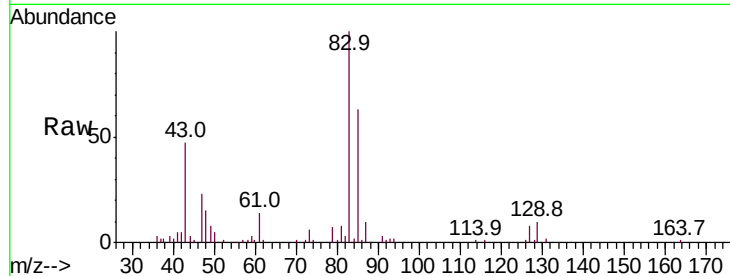
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21206
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.2	76.8
127	7.9	6.6	10.0

Manual Integrations
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4/4/2019 3:38:13 PM



#48

Methyl methacrylate

Concen: 5.469 ug/l

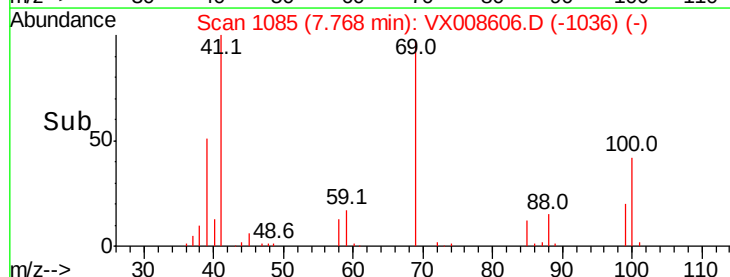
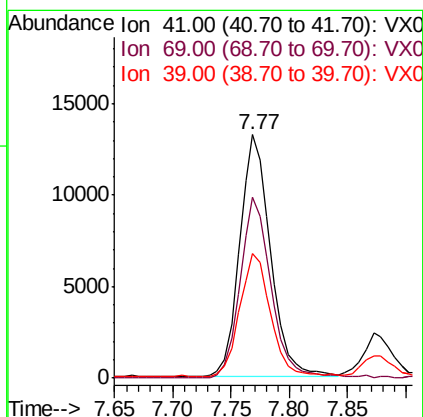
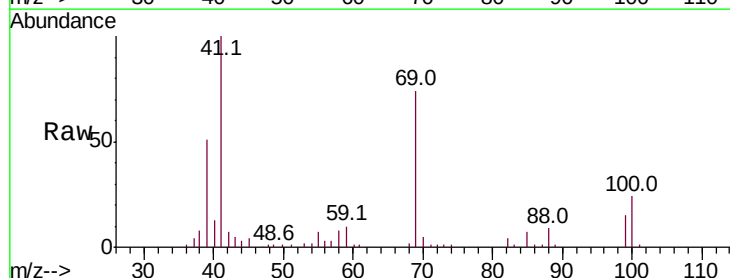
RT: 7.77 min Scan# 1085

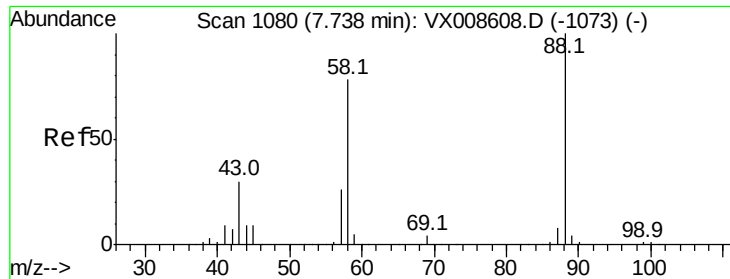
Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion:	41	Resp:	24455
Ion	Ratio	Lower	Upper
41	100		
69	75.0	59.0	88.4
39	50.8	41.0	61.4





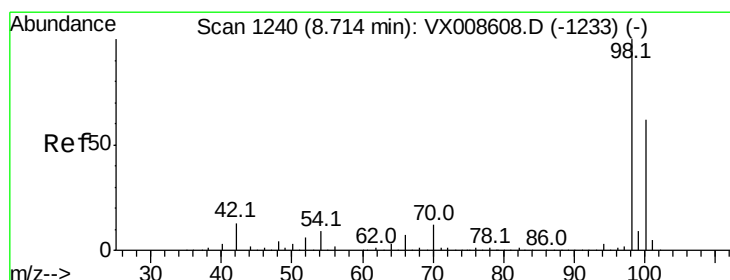
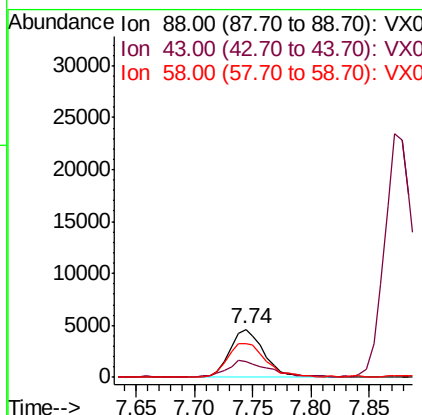
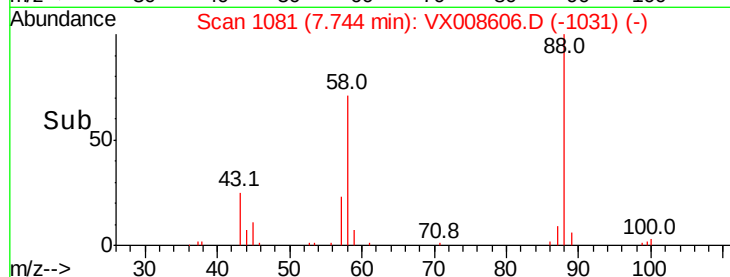
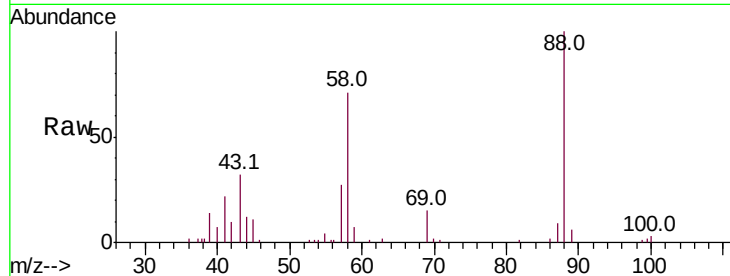
#49
1,4-Dioxane
Concen: 113.738 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.6	43.0
58	79.6	62.2	93.2

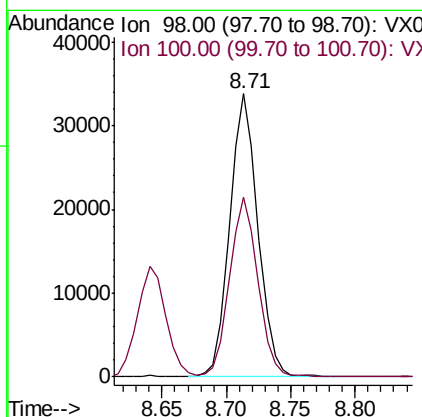
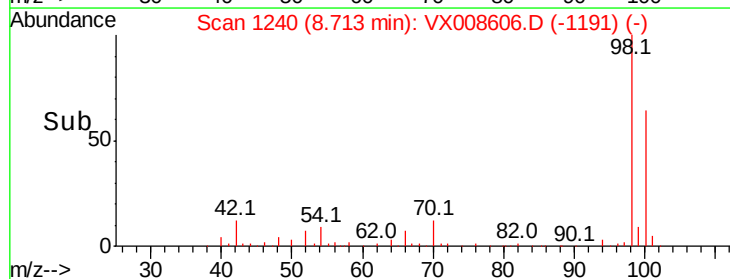
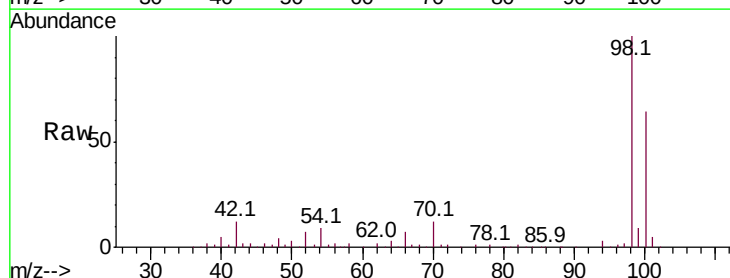
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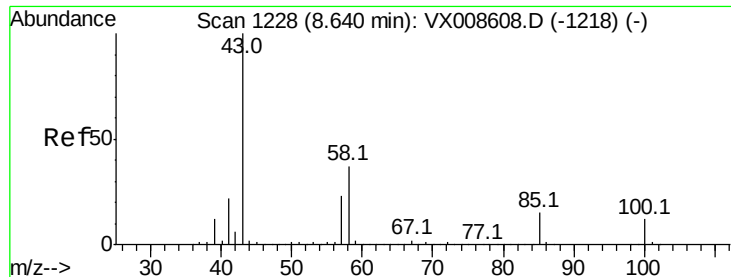
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4/4/2019 3:38:13 PM



#50
Toluene-d8
Concen: 5.242 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 29.125 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 165727

Ion Ratio Lower Upper

43 100

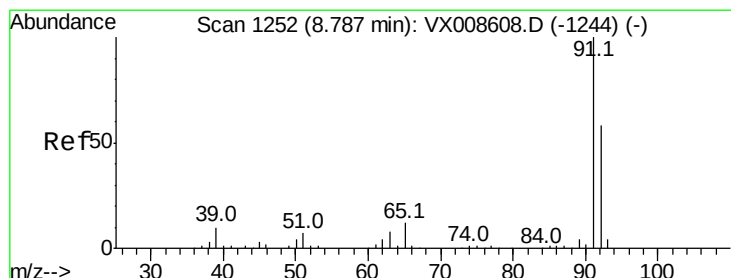
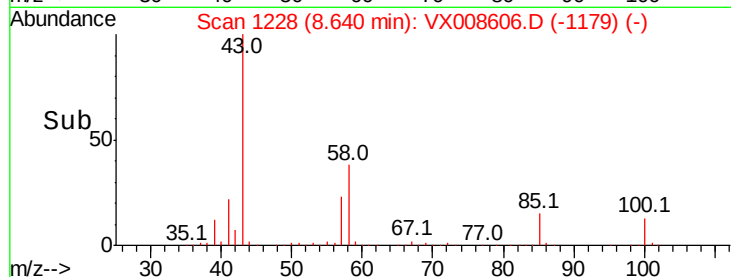
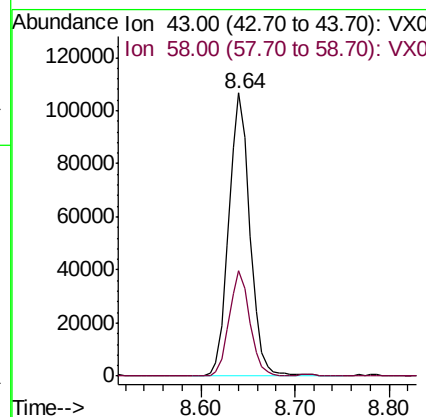
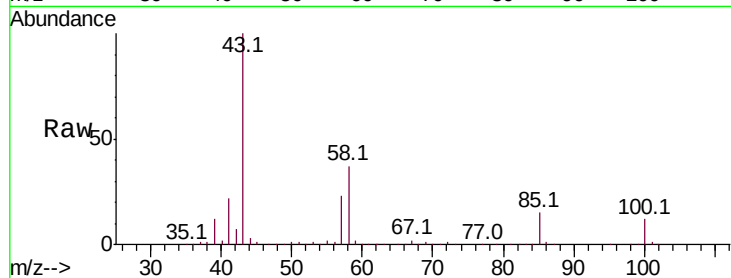
58 36.6 29.5 44.3

Manual Integrations

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4/4/2019 3:38:13 PM



#52

Toluene

Concen: 5.671 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008606.D

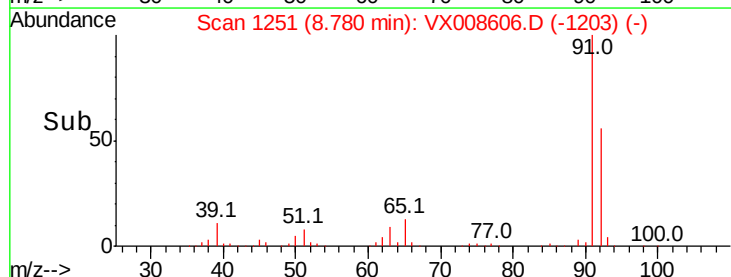
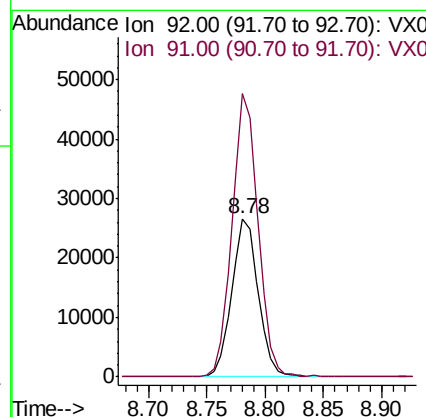
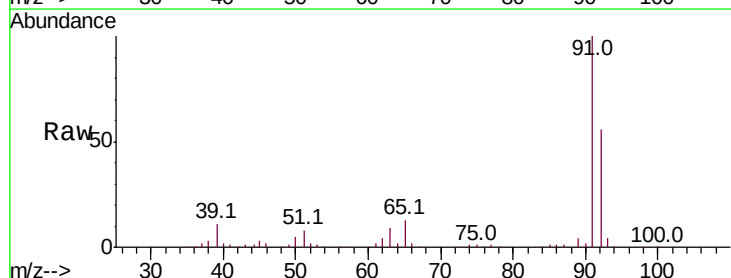
Acq: 03 Apr 2019 09:56

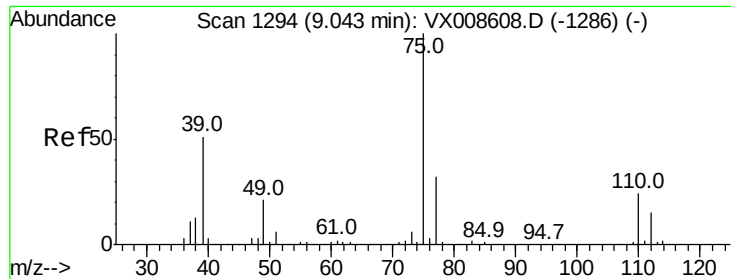
Tgt Ion: 92 Resp: 42109

Ion Ratio Lower Upper

92 100

91 175.8 138.5 207.7





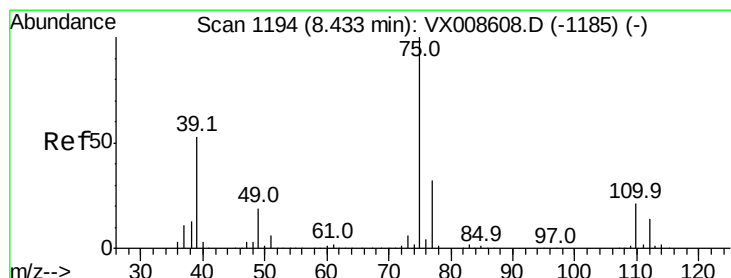
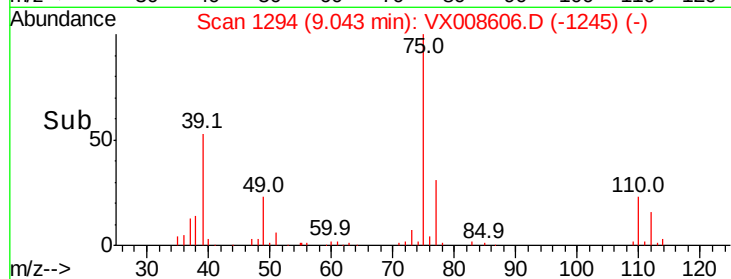
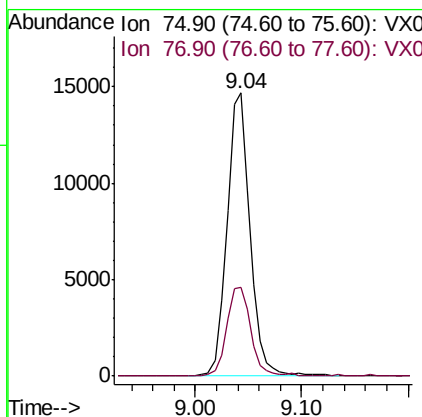
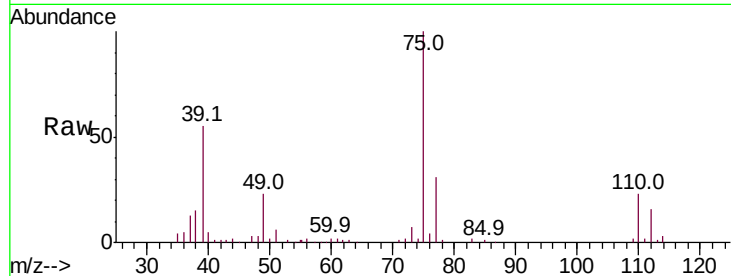
#53
t-1,3-Dichloropropene
Concen: 5.041 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 22196
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

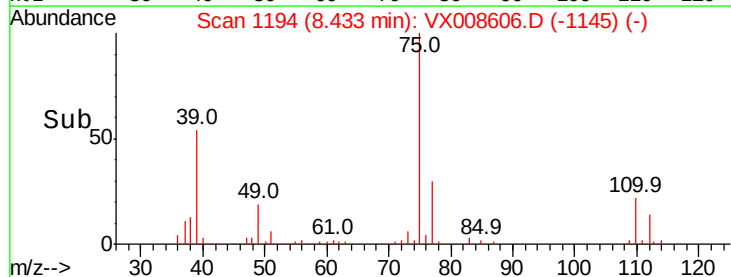
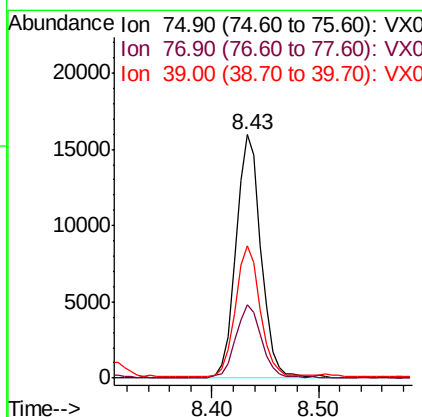
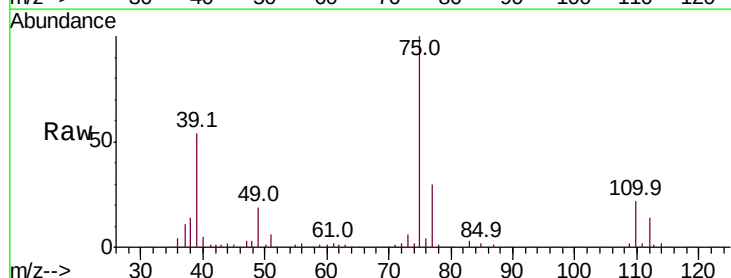
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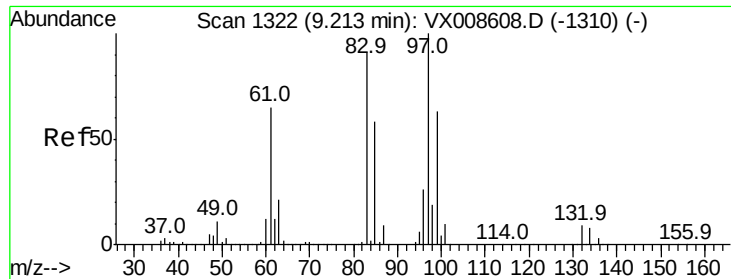
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4/4/2019 3:38:13 PM



#54
cis-1,3-Dichloropropene
Concen: 5.248 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion: 75 Resp: 26404
Ion Ratio Lower Upper
75 100
77 30.2 25.3 37.9
39 53.6 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 5.696 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 16975

Ion Ratio Lower Upper

97 100

83 92.2 73.2 109.8

85 59.5 46.6 69.8

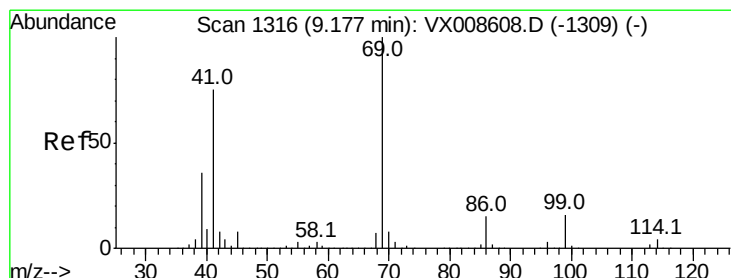
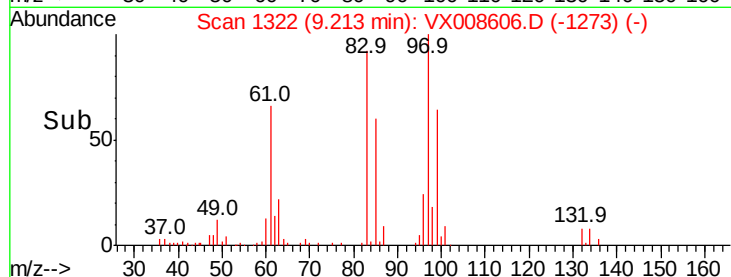
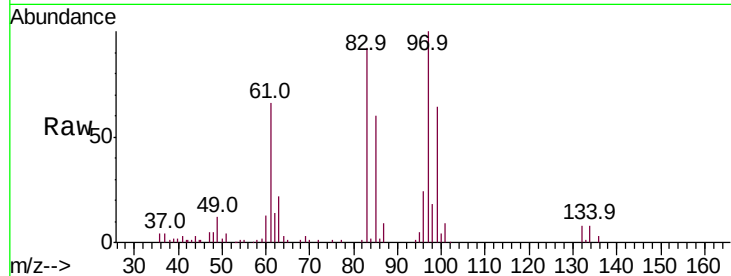
99 63.8 50.1 75.1

Manual Integrations

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4/4/2019 3:38:13 PM



#56

Ethyl methacrylate

Concen: 5.591 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

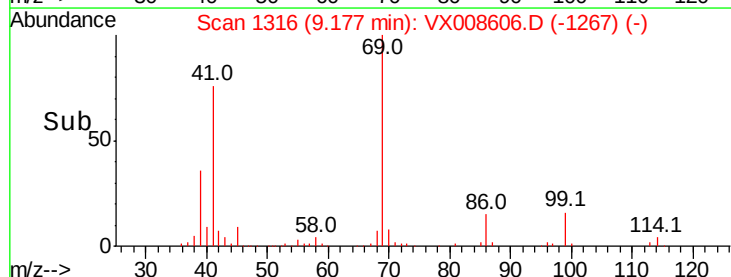
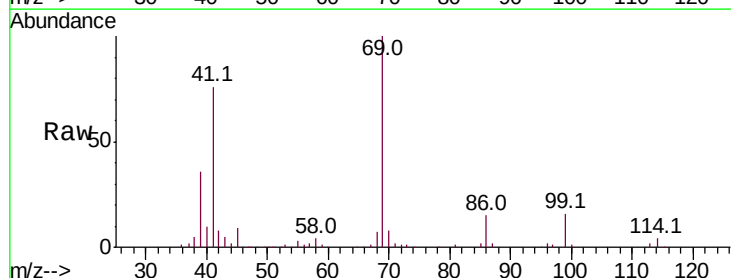
Tgt Ion: 69 Resp: 30150

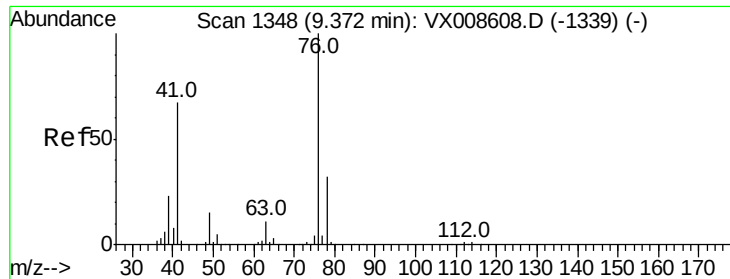
Ion Ratio Lower Upper

69 100

41 75.3 60.1 90.1

39 37.0 28.9 43.3





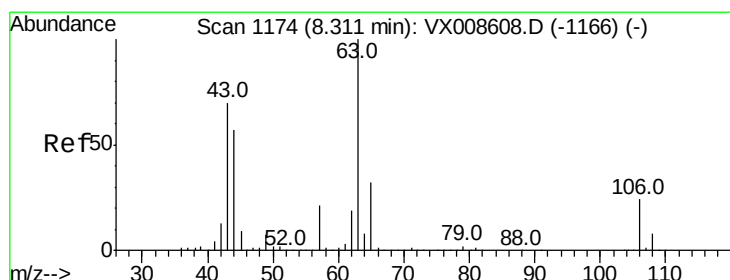
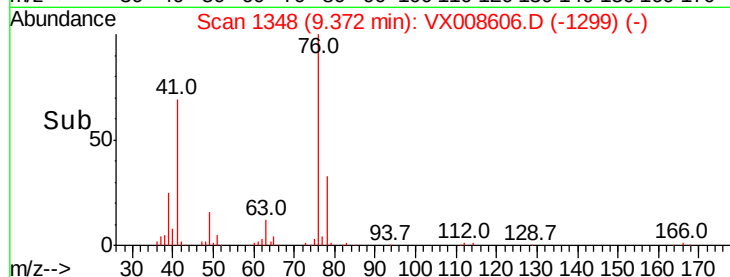
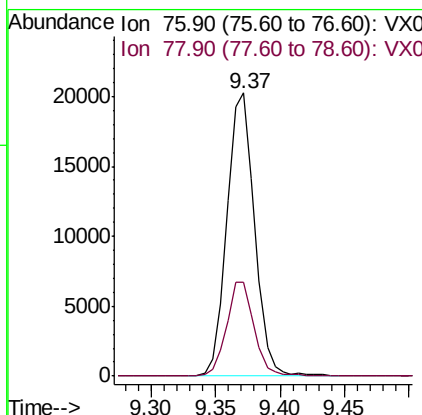
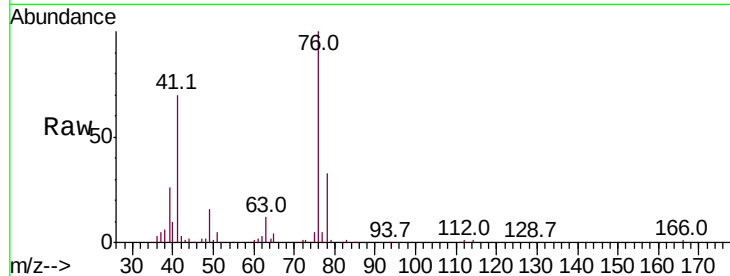
#57
 1,3-Dichloropropane
 Concen: 5.702 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.6	38.4

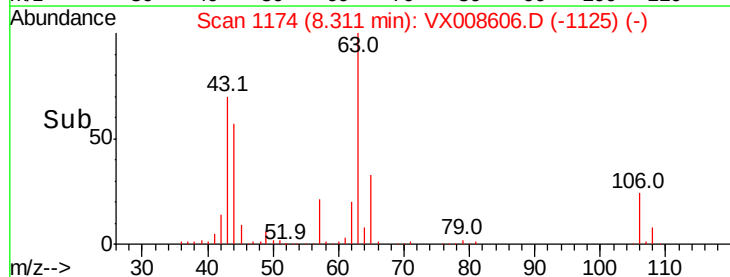
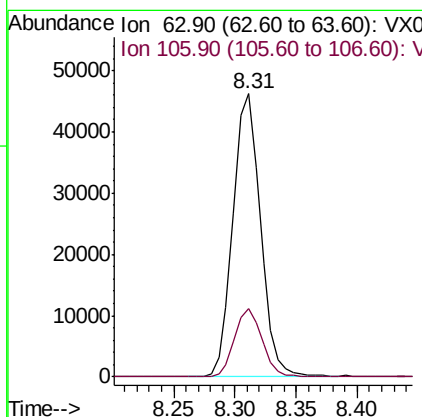
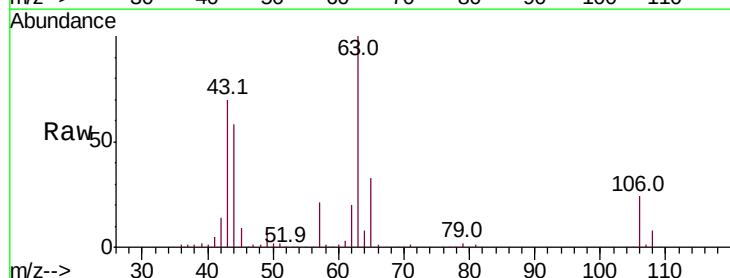
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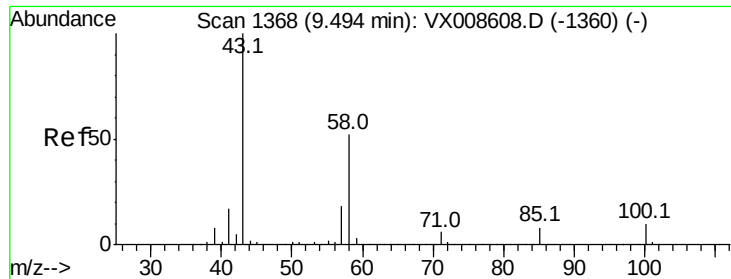
MMDadoda
 4/4/2019 3:38:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.262 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	19.0	28.6





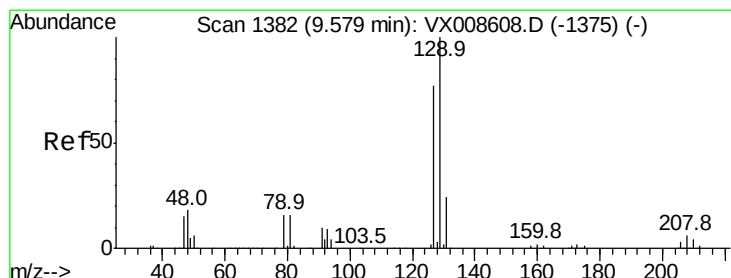
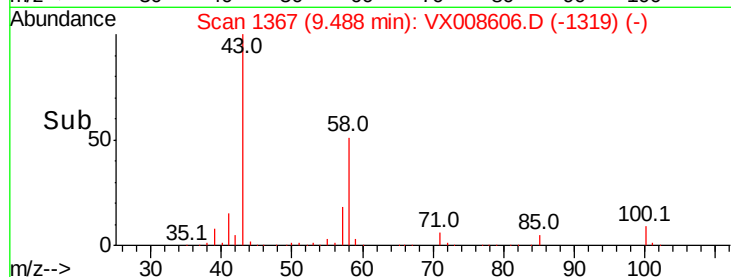
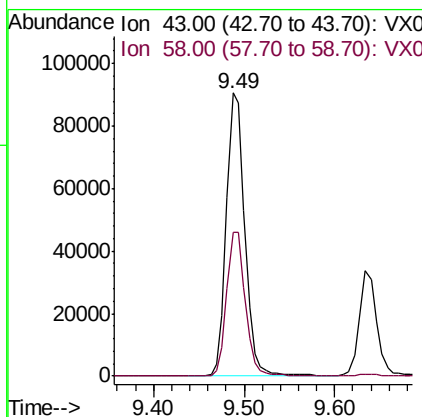
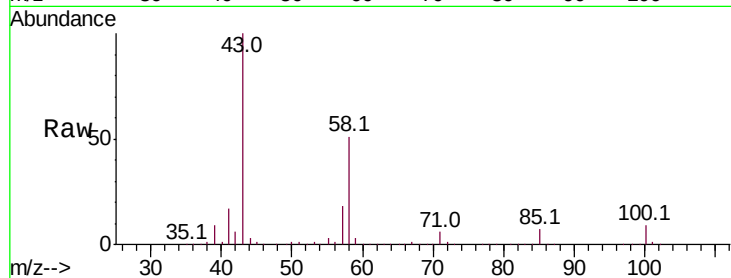
#59
2-Hexanone
Concen: 29.030 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 128378
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

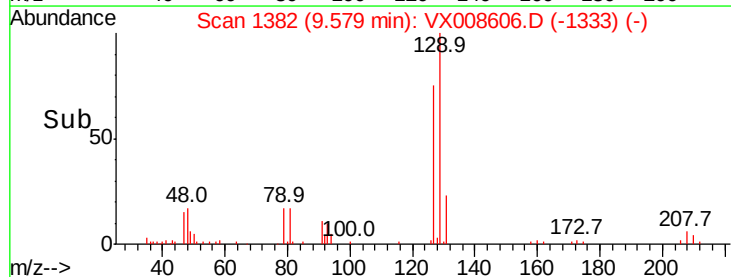
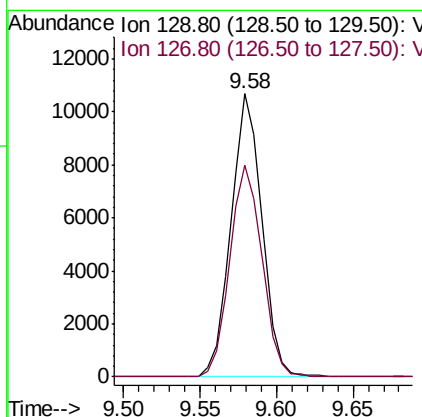
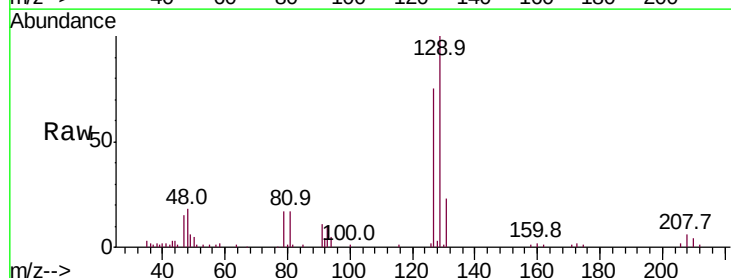
Manual Integrations
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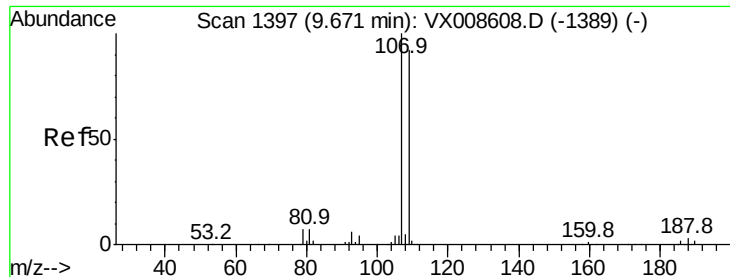
MMDadoda
4/4/2019 3:38:13 PM



#60
Dibromochloromethane
Concen: 5.323 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion: 129 Resp: 14950
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 5.602 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 17381

Ion Ratio Lower Upper

107 100

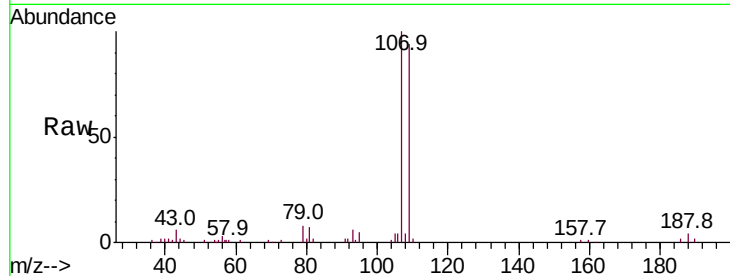
109 93.4 74.1 111.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

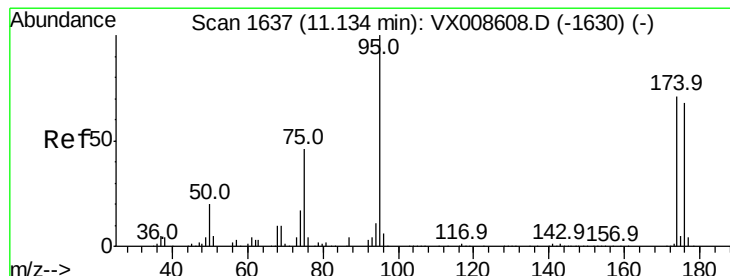
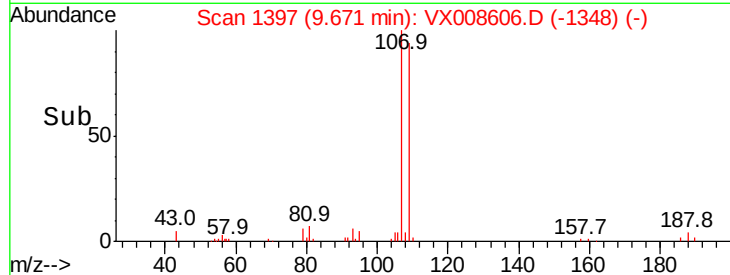
9.67

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 5.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

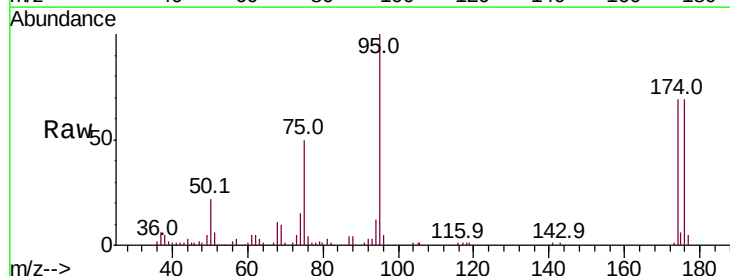
Tgt Ion: 95 Resp: 18284

Ion Ratio Lower Upper

95 100

174 73.6 0.0 151.8

176 72.8 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

20000

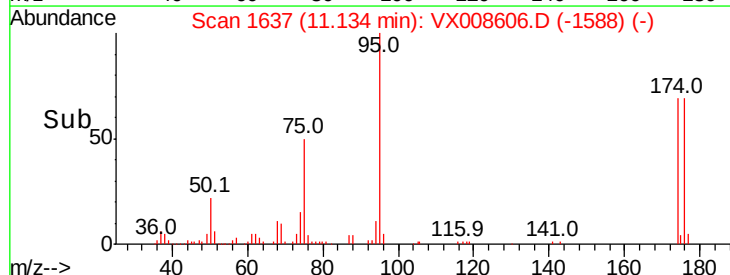
15000

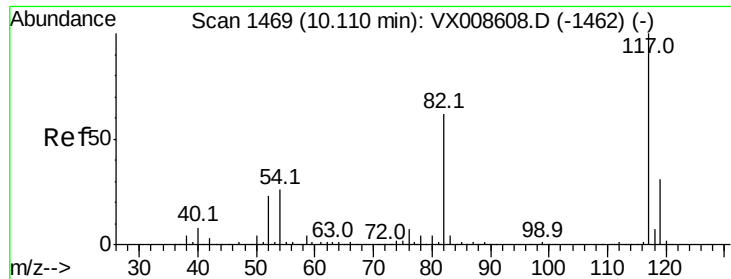
10000

5000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 346096

Ion Ratio Lower Upper

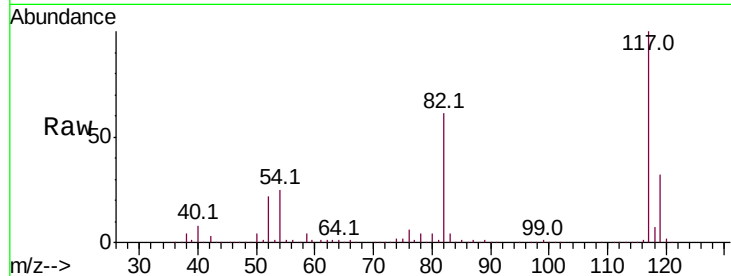
117 100

82 61.0 49.6 74.4

119 31.6 25.0 37.4

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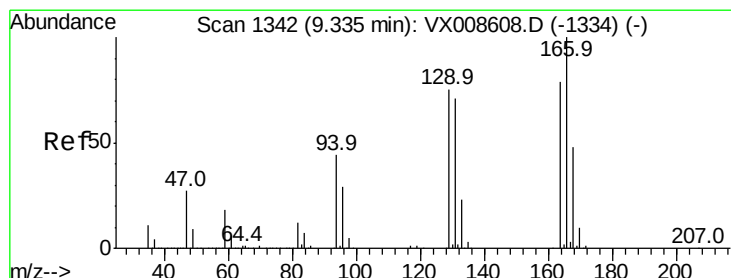
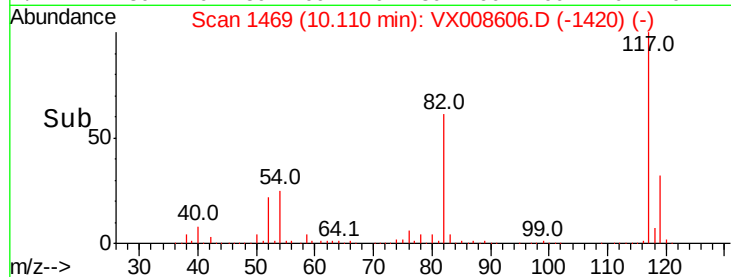
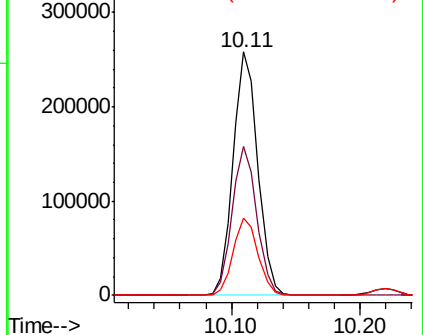
MMDadoda
4/4/2019 3:38:13 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 5.582 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion:164 Resp: 14313

Ion Ratio Lower Upper

164 100

166 131.0 101.0 151.6

129 98.4 75.8 113.8

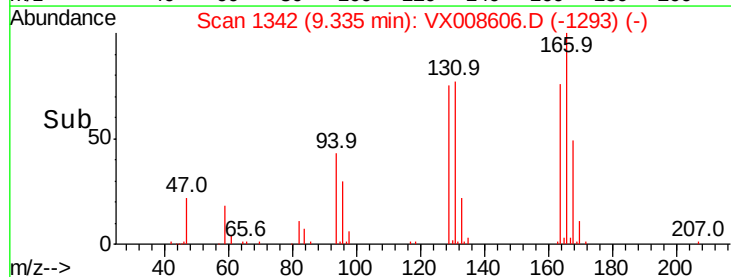
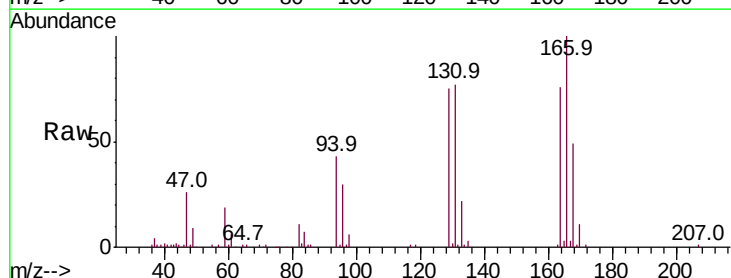
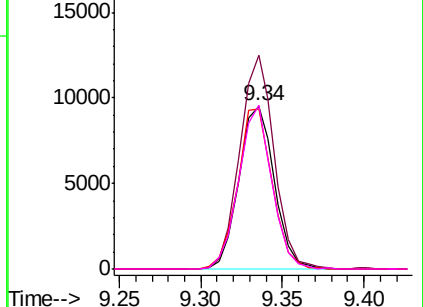
131 100.6 71.8 107.8

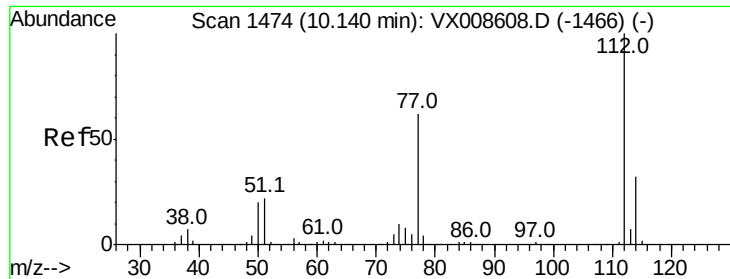
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.581 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 42818

Ion Ratio Lower Upper

112 100

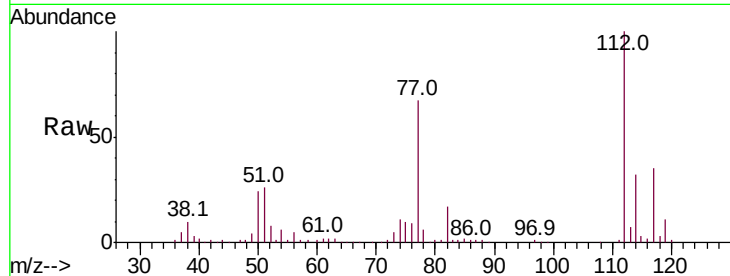
114 32.0 25.8 38.8

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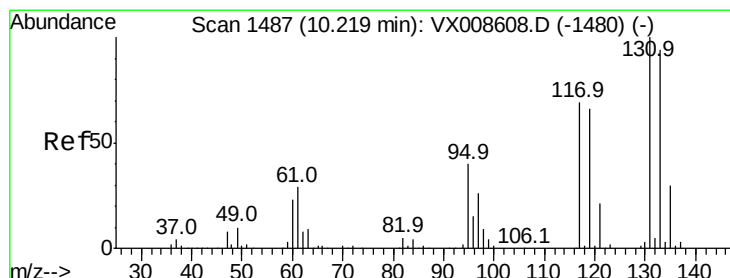
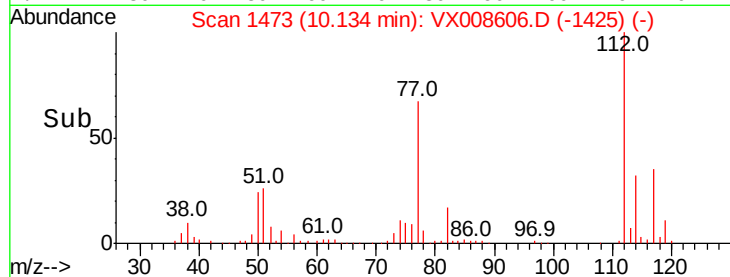
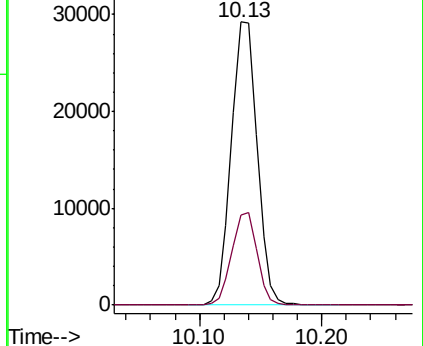
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.352 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

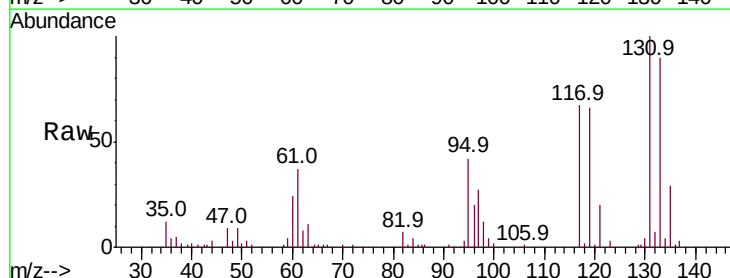
Tgt Ion:131 Resp: 14405

Ion Ratio Lower Upper

131 100

133 94.3 47.0 141.2

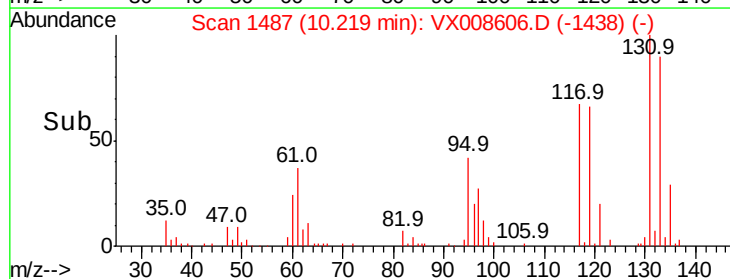
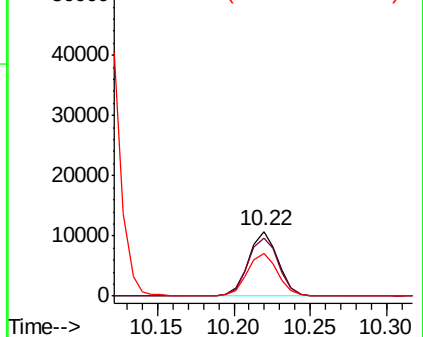
119 68.4 33.7 101.0

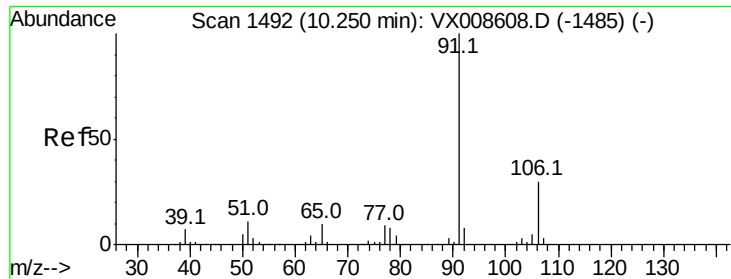


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





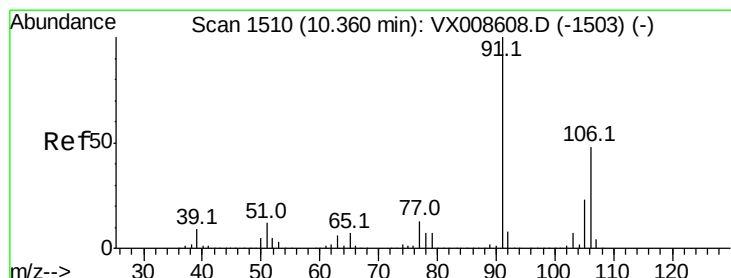
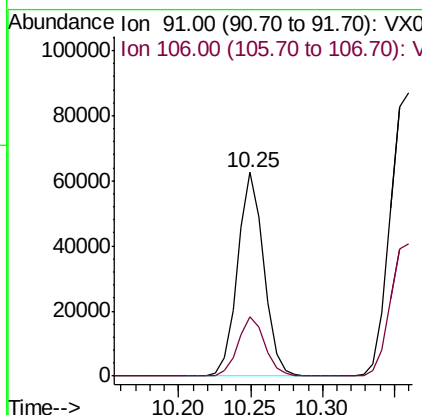
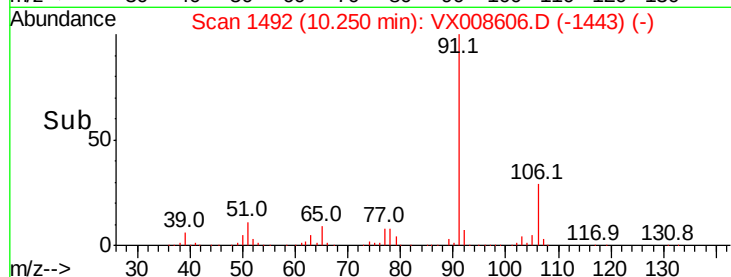
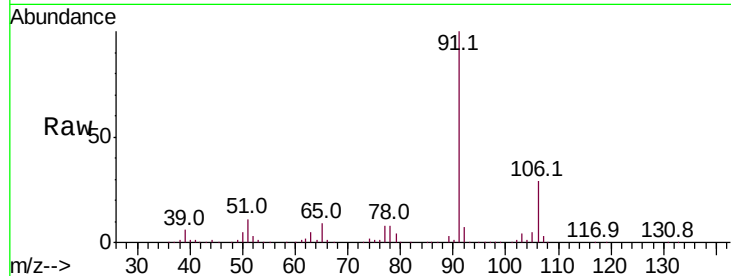
#67
Ethyl Benzene
Concen: 5.564 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 79598
Ion Ratio Lower Upper
91 100
106 29.4 23.7 35.5

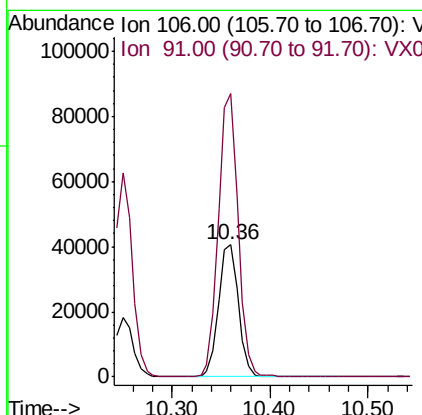
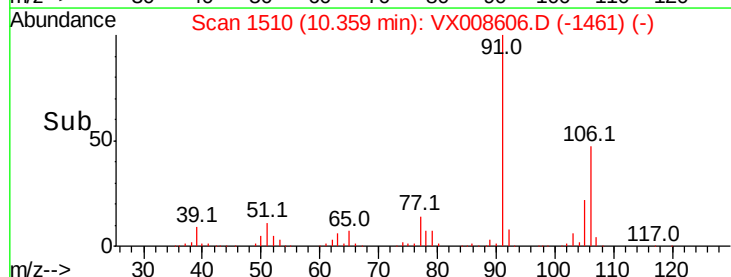
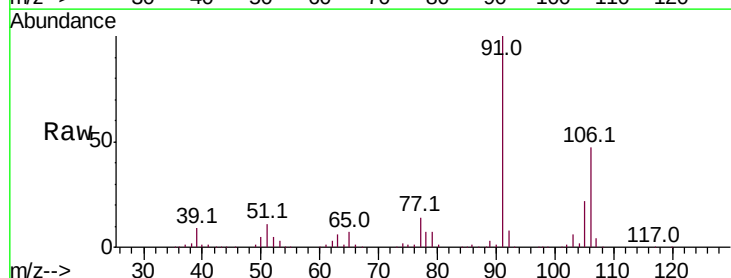
Manual Integrations
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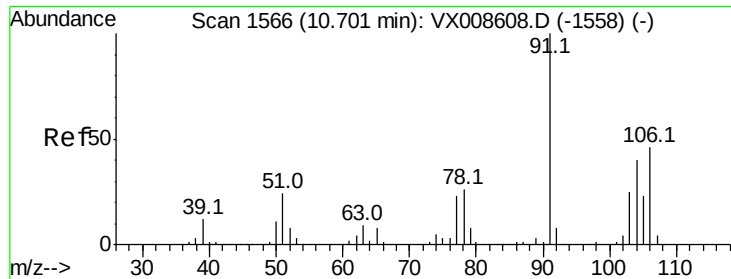
MMDadoda
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#68
m/p-Xylenes
Concen: 11.191 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion: 106 Resp: 57561
Ion Ratio Lower Upper
106 100
91 211.4 168.5 252.7





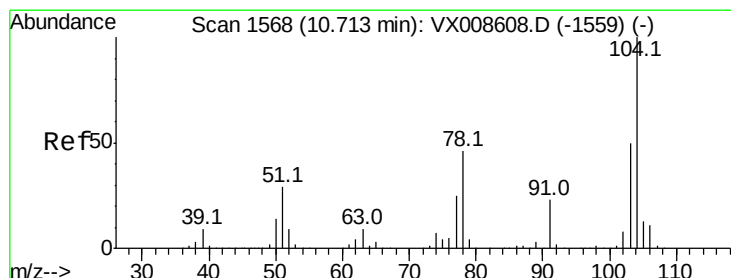
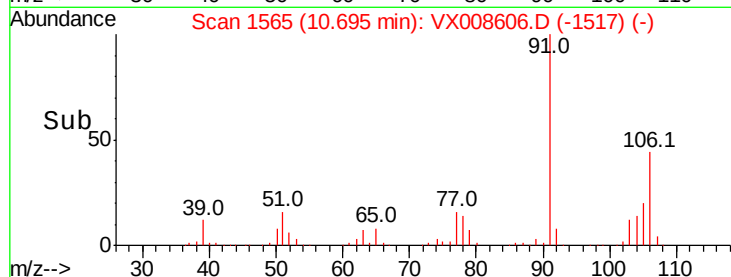
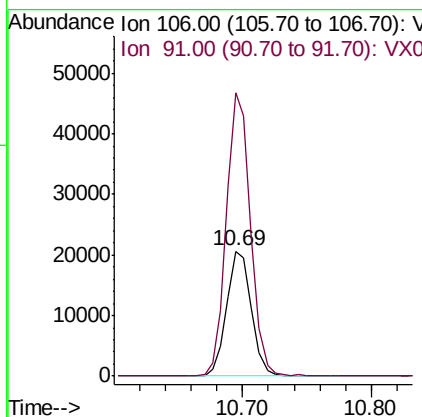
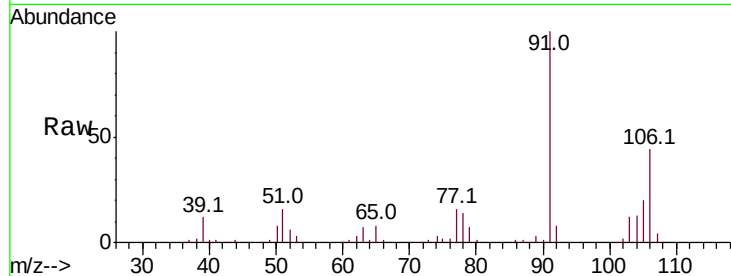
#69
o-Xylene
Concen: 5.594 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 27883
Ion Ratio Lower Upper
106 100
91 221.8 111.5 334.4

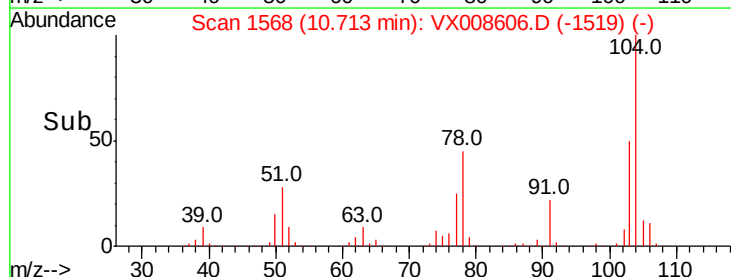
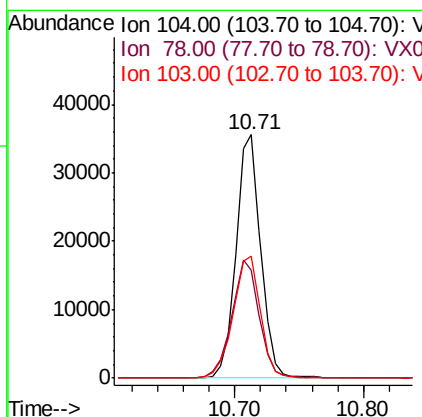
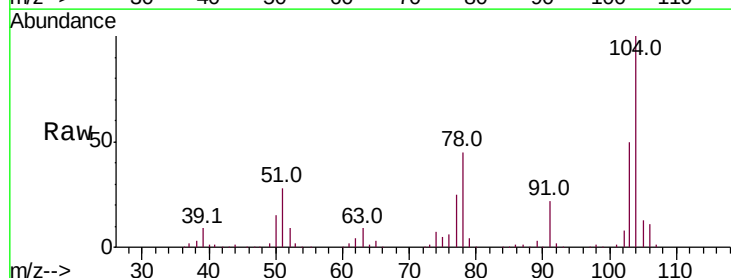
Manual Integrations
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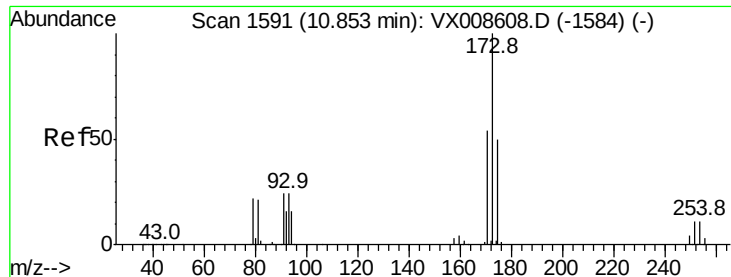
MMDadoda
4/4/2019 3:38:13 PM



#70
Styrene
Concen: 5.510 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion:104 Resp: 47347
Ion Ratio Lower Upper
104 100
78 54.3 42.3 63.5
103 56.0 44.4 66.6





#71

Bromoform

Concen: 5.073 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 10428

Ion Ratio Lower Upper

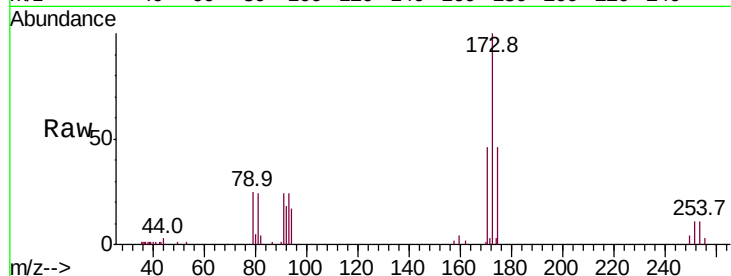
173 100

175 48.4 24.9 74.6

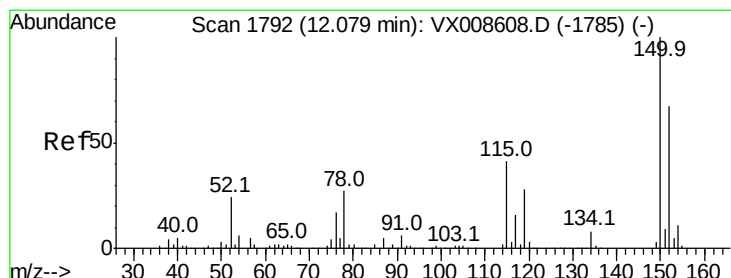
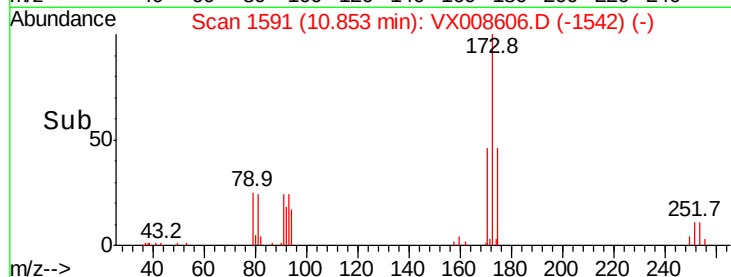
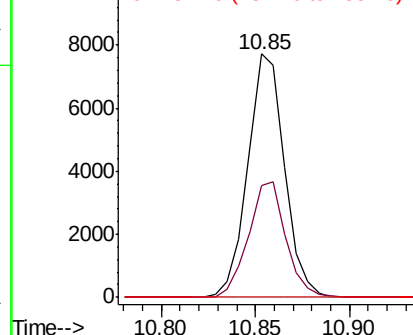
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

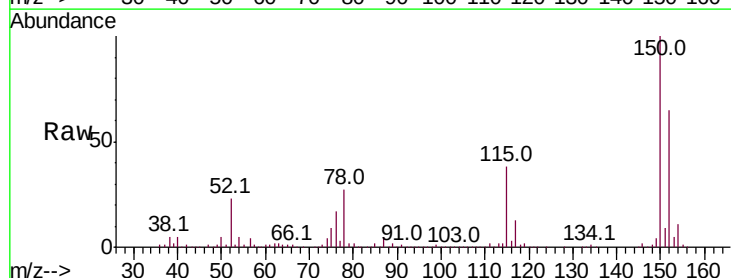
Tgt Ion:152 Resp: 155661

Ion Ratio Lower Upper

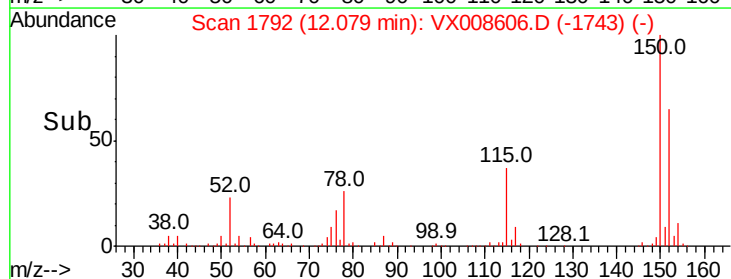
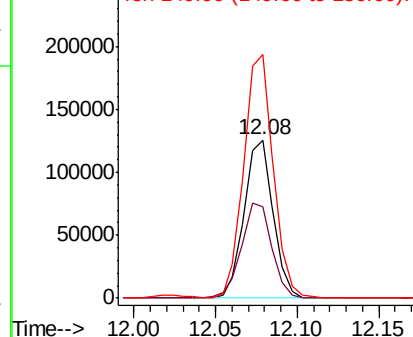
152 100

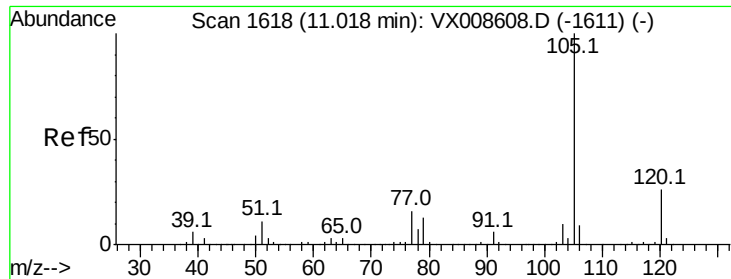
115 63.4 43.5 130.5

150 157.6 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.738 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 74020

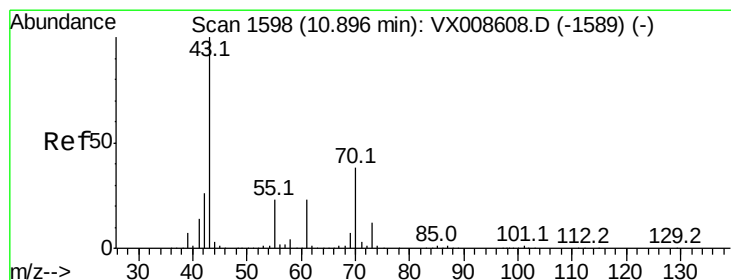
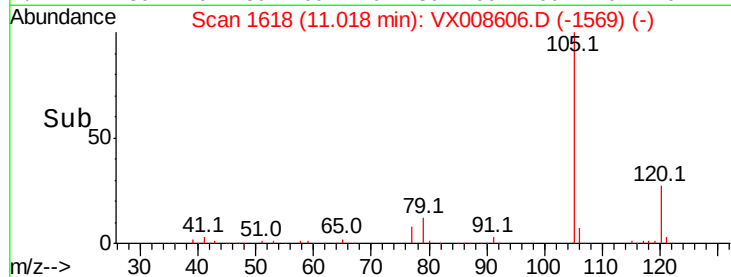
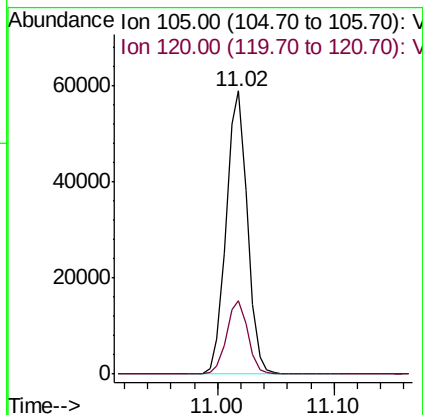
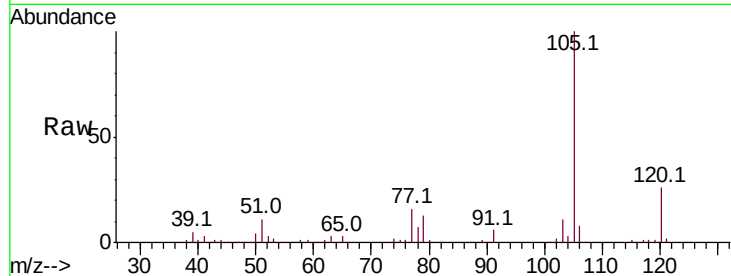
Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6

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#74

N-ethyl acetate

Concen: 5.367 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion: 43 Resp: 40734

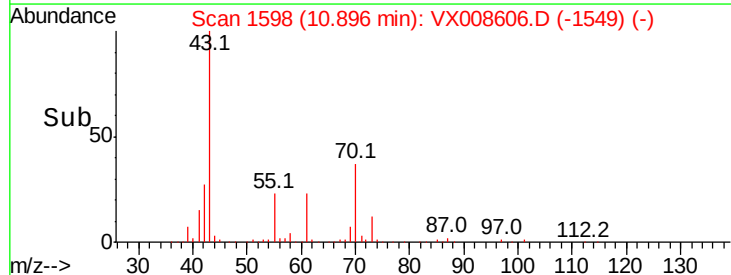
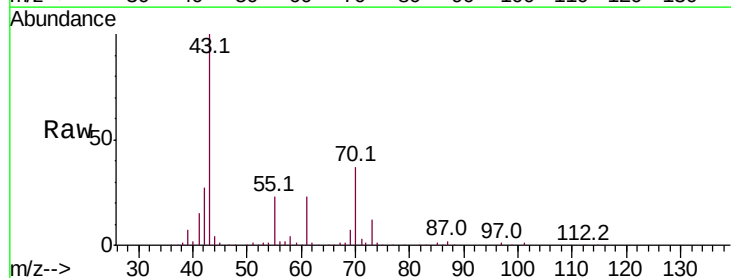
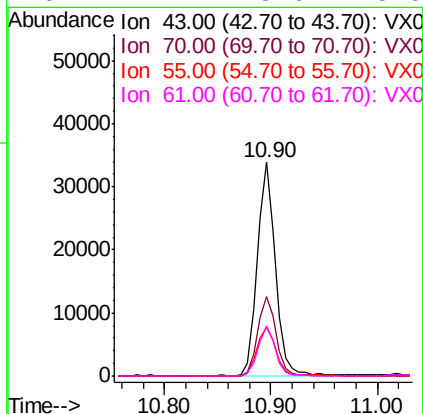
Ion Ratio Lower Upper

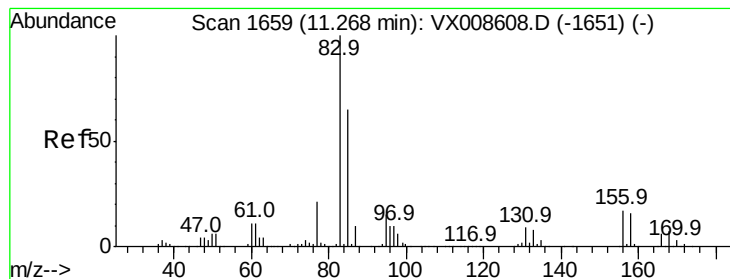
43 100

70 38.1 30.2 45.4

55 24.3 18.2 27.4

61 22.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.774 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

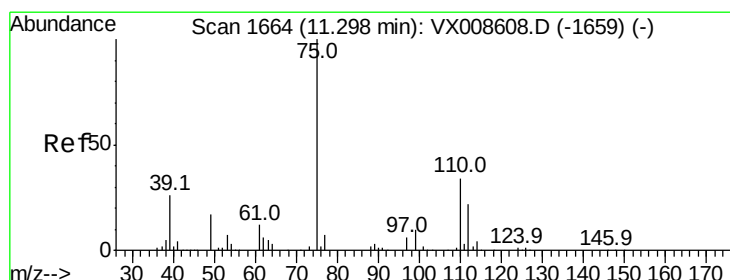
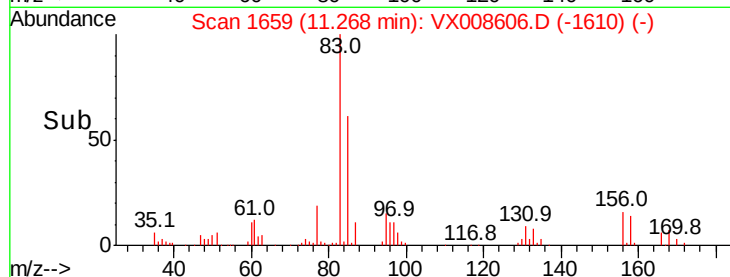
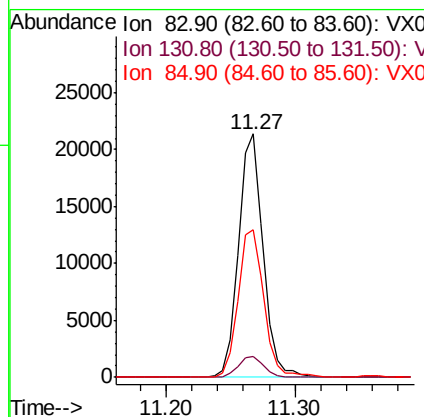
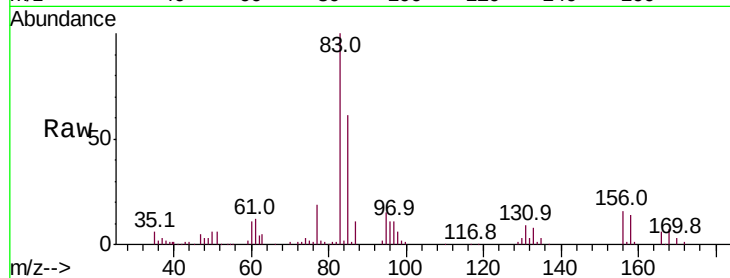
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28329
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.7
85	63.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 5.237 ug/l m

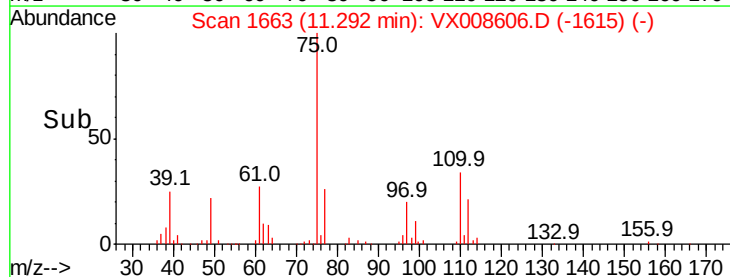
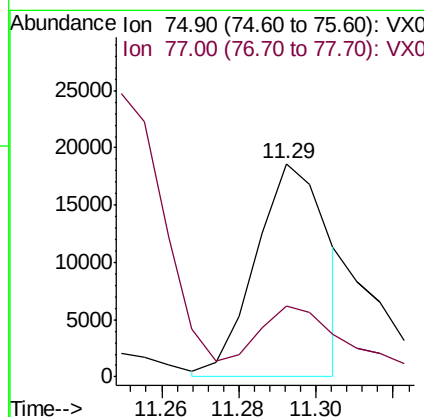
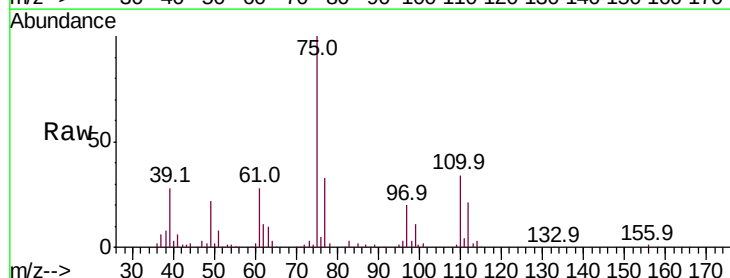
RT: 11.29 min Scan# 1663

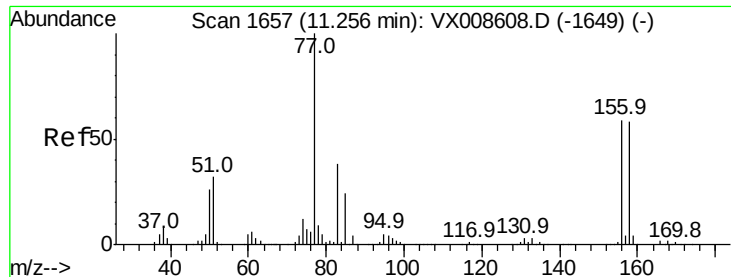
Delta R.T. -0.01 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Tgt Ion:	75	Resp:	24101
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.3	66.8





#77

Bromobenzene

Concen: 5.642 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 17496

Ion Ratio Lower Upper

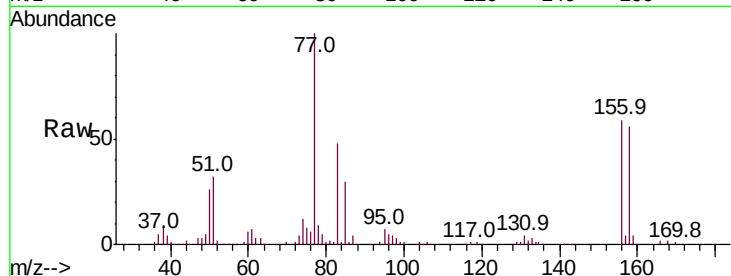
156 100

77 185.2 89.8 269.6

158 97.7 48.6 145.9

Manual Integrations
APPROVED

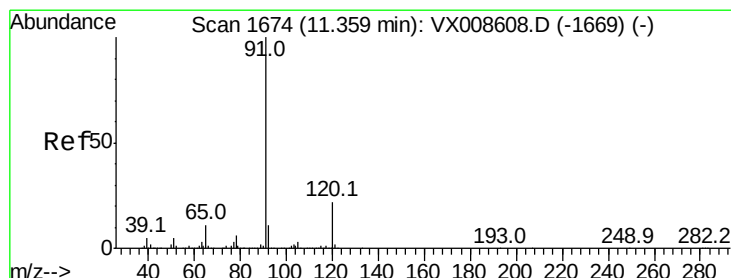
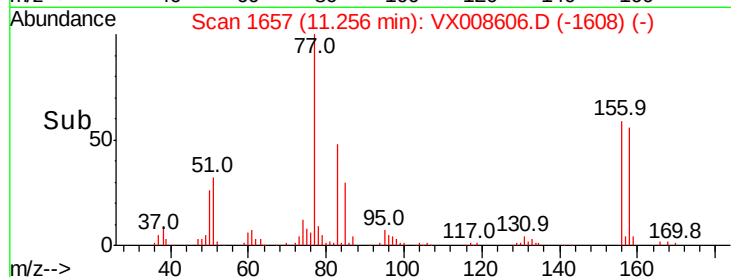
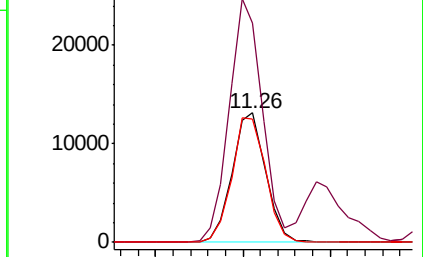
MMDadoda
4/4/2019 3:38:13 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.715 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008606.D

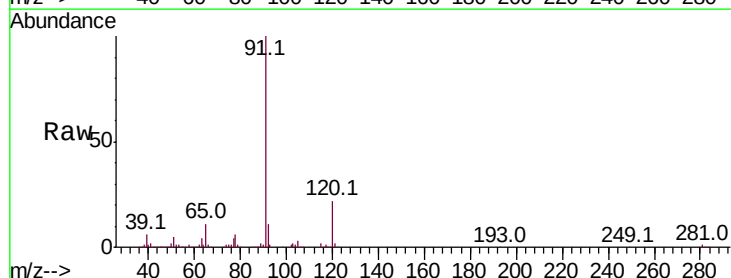
Acq: 03 Apr 2019 09:56

Tgt Ion: 91 Resp: 85844

Ion Ratio Lower Upper

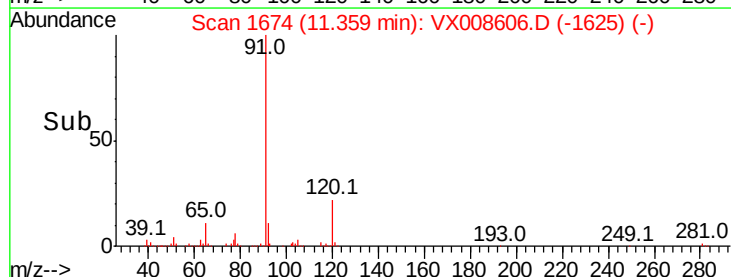
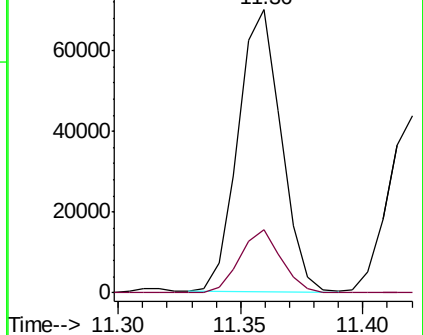
91 100

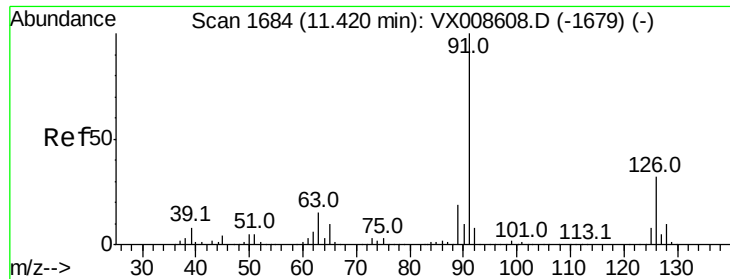
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.766 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52415

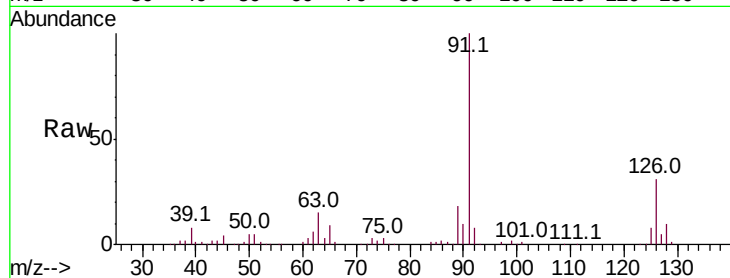
Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)

80000

60000

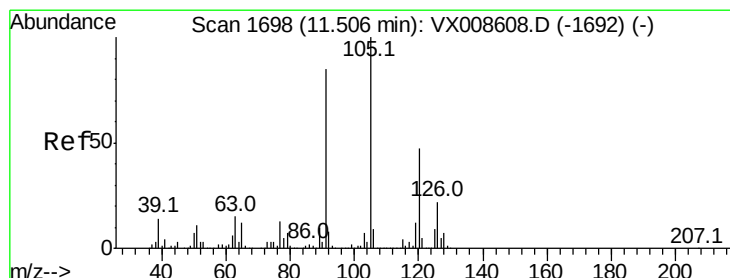
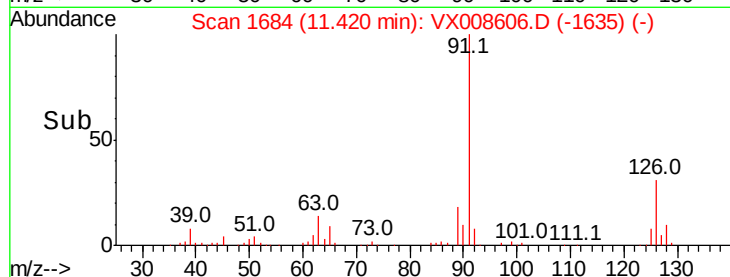
40000

20000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.696 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008606.D

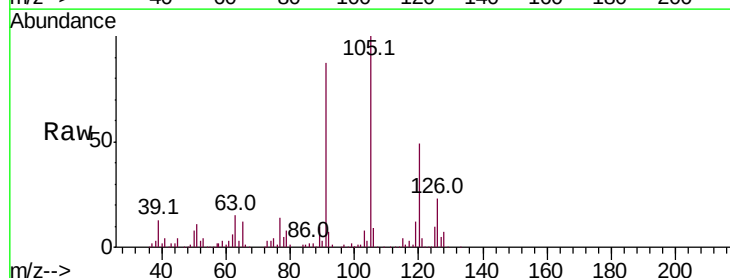
Acq: 03 Apr 2019 09:56

Tgt Ion: 105 Resp: 61682

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)

60000

50000

40000

30000

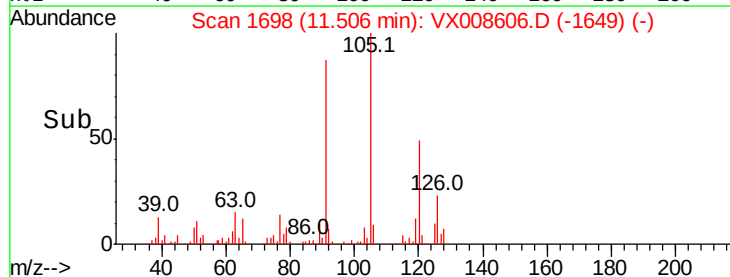
20000

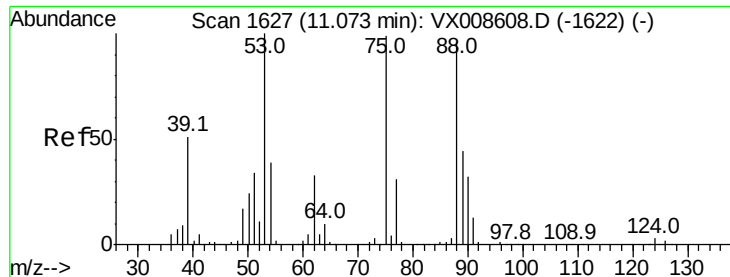
10000

0

11.50 11.60

Time-->





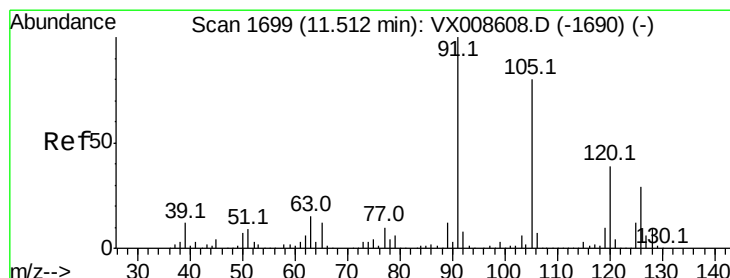
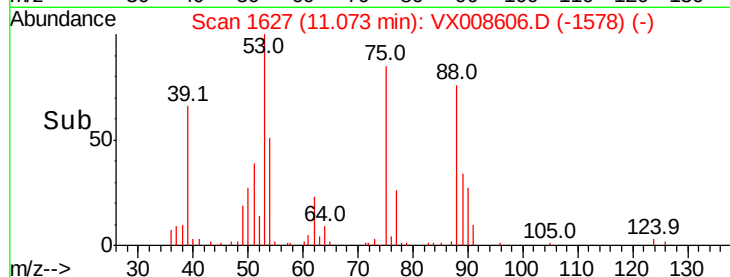
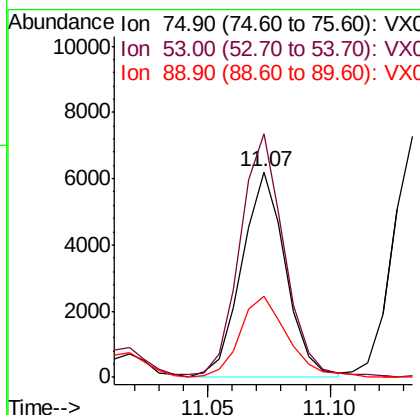
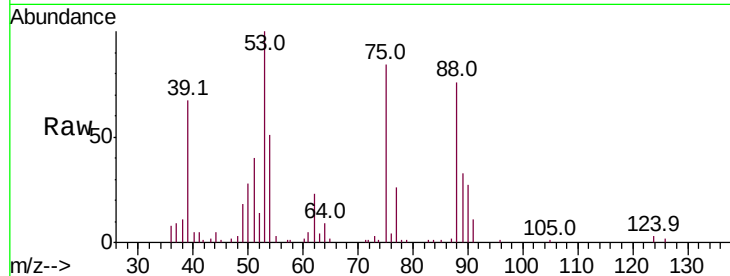
#81
trans-1,4-Dichloro-2-butene
Concen: 4.991 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.9	81.3	121.9
89	43.0	35.6	53.4

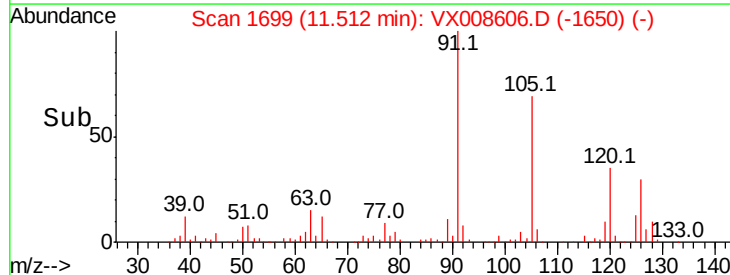
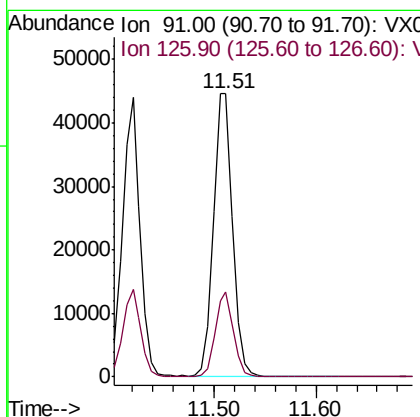
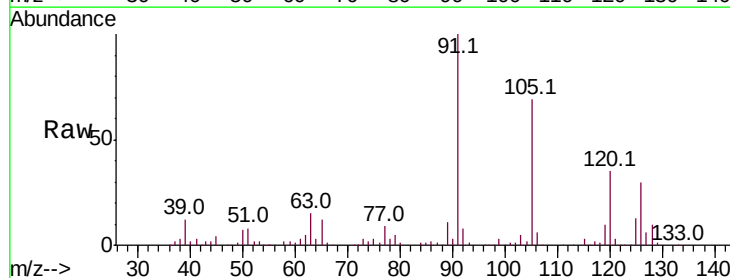
Manual Integrations
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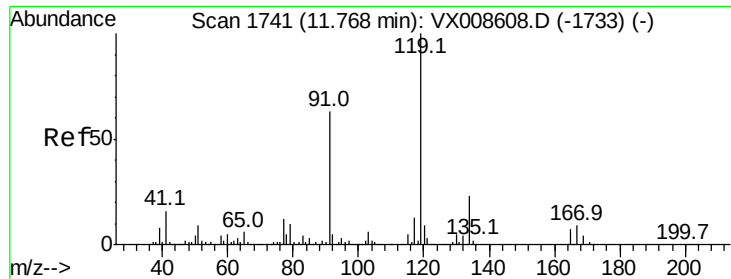
MMDadoda
4/4/2019 3:38:13 PM



#82
4-Chlorotoluene
Concen: 5.648 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	13.9	41.6





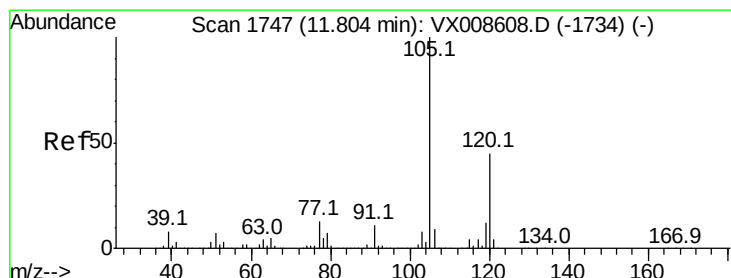
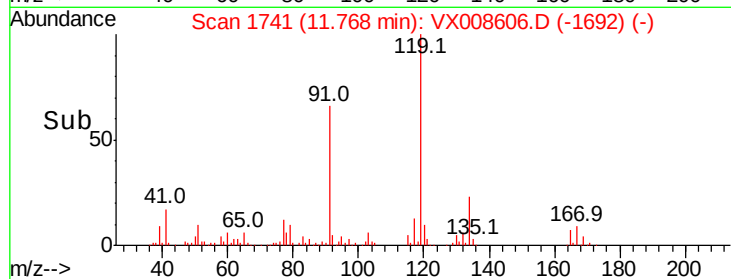
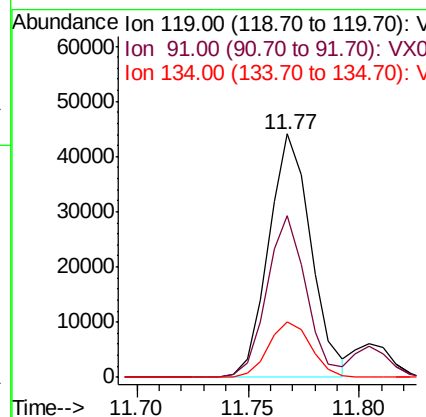
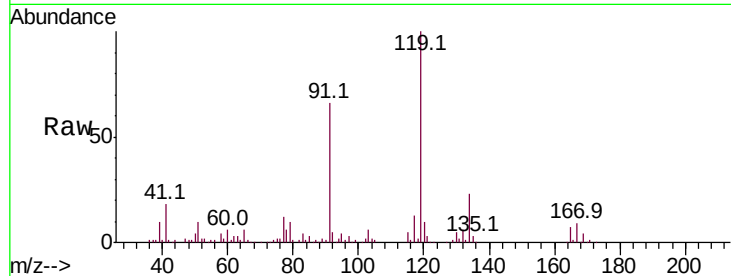
#83
 tert-Butylbenzene
 Concen: 5.587 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.0	90.1
134	22.9	11.1	33.3

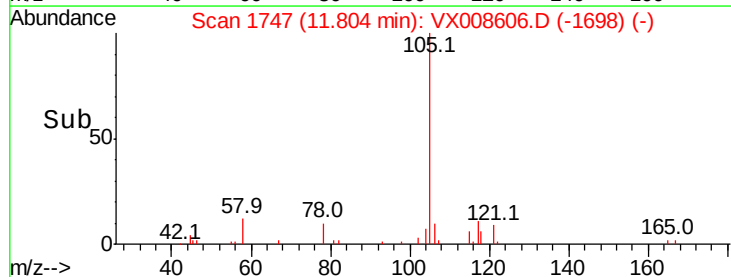
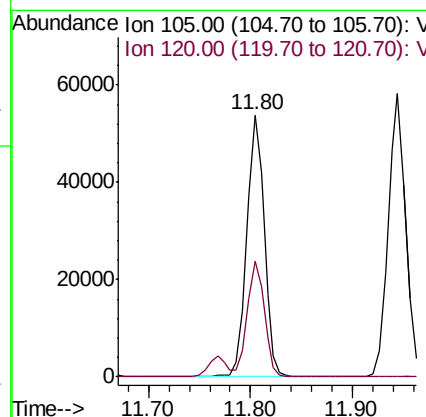
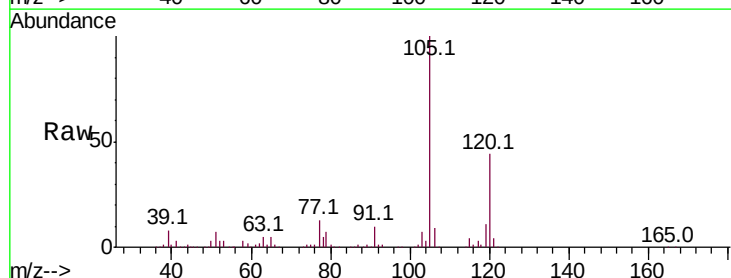
Manual Integrations
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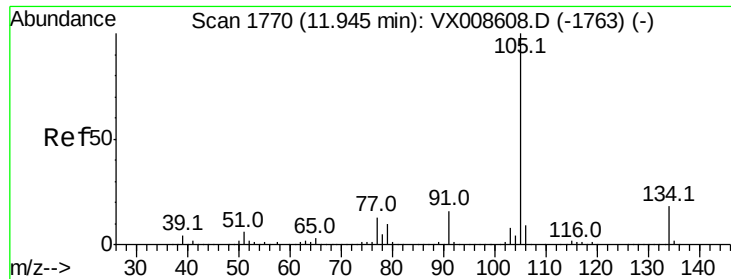
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.791 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.8	65.3





#85

sec-Butylbenzene

Concen: 5.692 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 70432

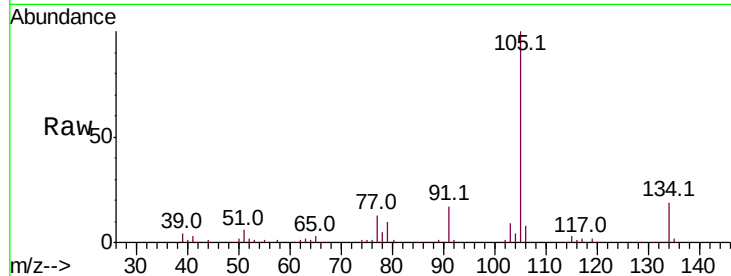
Ion Ratio Lower Upper

105 100

134 19.5 9.4 28.2

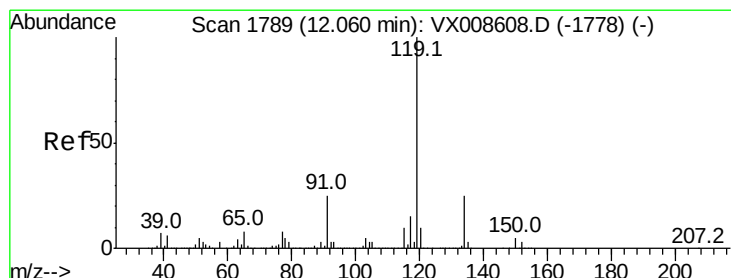
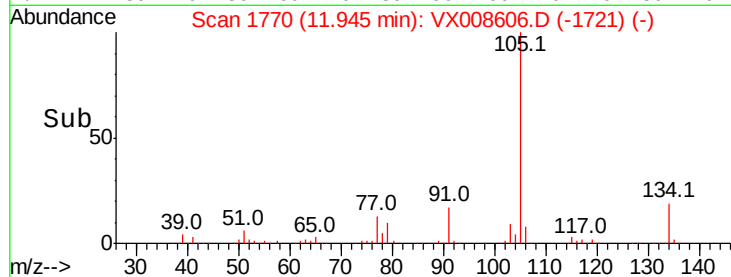
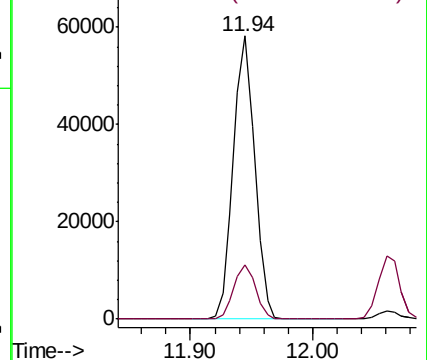
Manual Integrations
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4/4/2019 3:38:13 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.654 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

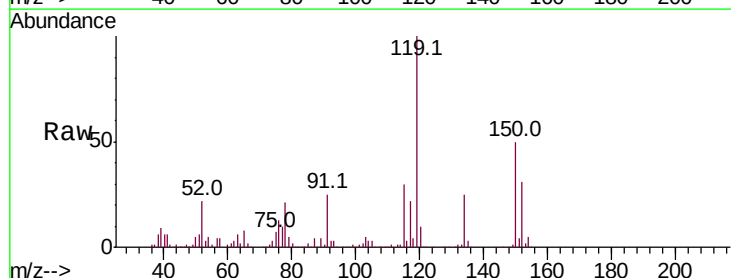
Tgt Ion:119 Resp: 62796

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

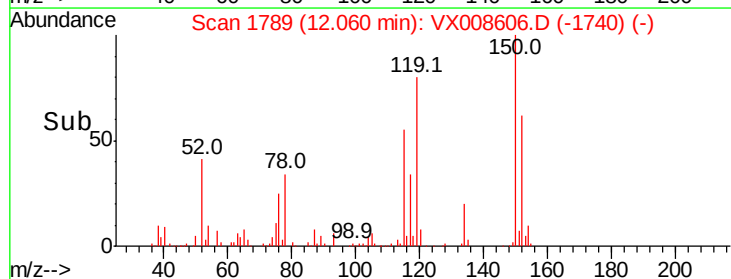
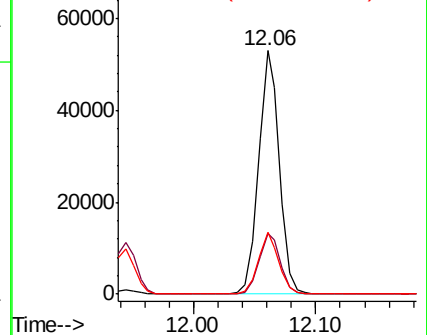
91 25.4 12.2 36.6

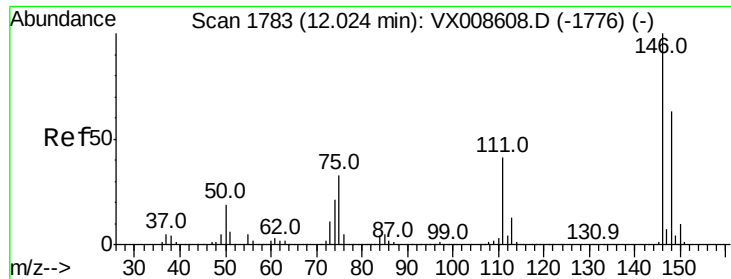


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





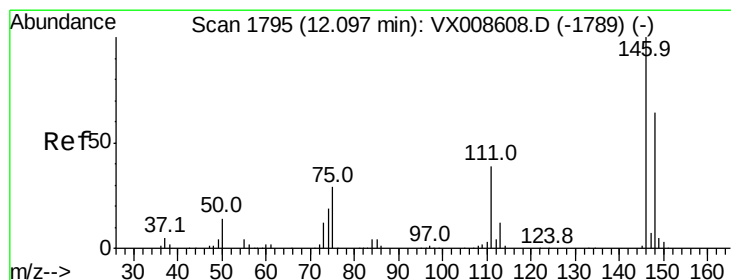
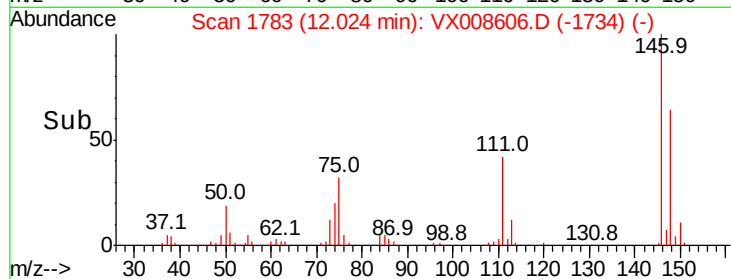
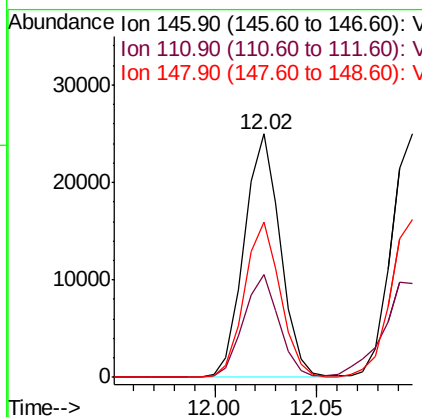
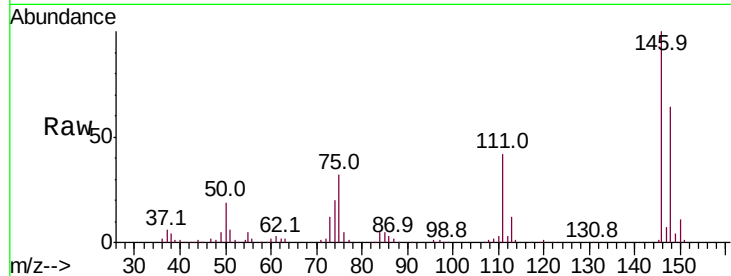
#87
 1,3-Dichlorobenzene
 Concen: 5.529 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.5
148	63.4	31.6	94.7

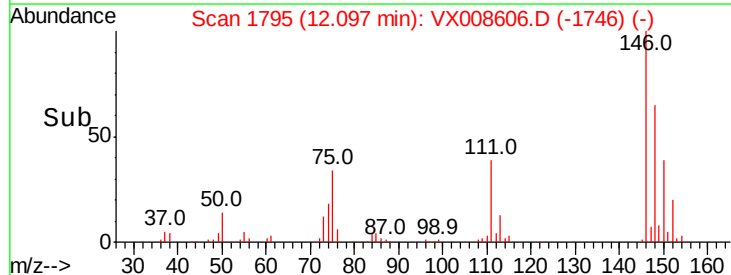
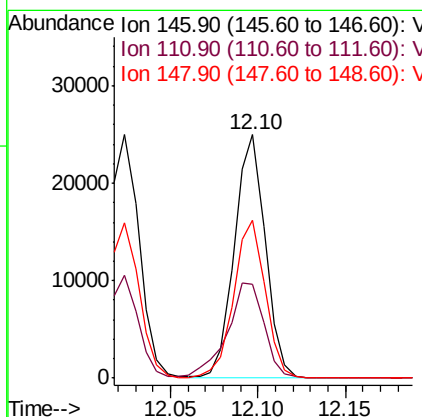
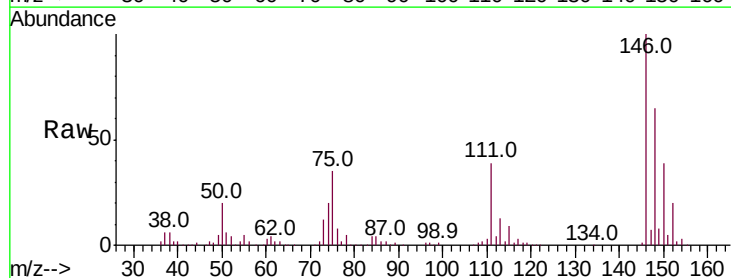
Manual Integrations
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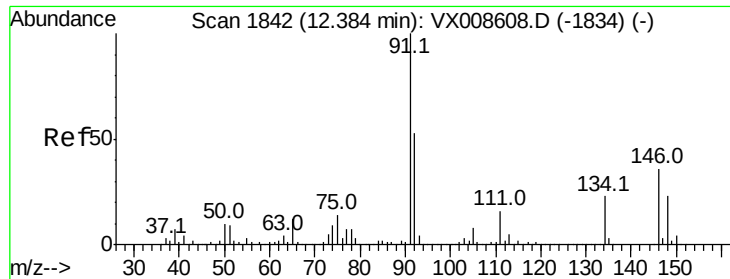
MMDadoda
 4/4/2019 3:38:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.475 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	20.2	60.6
148	66.4	32.0	96.0





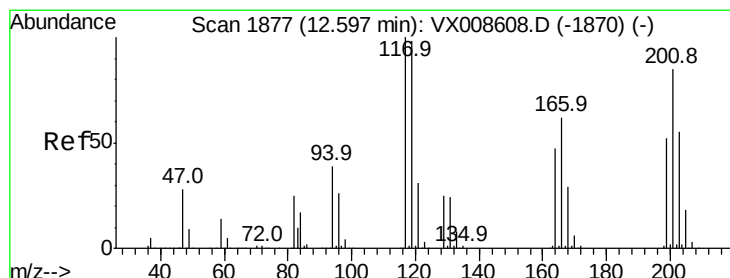
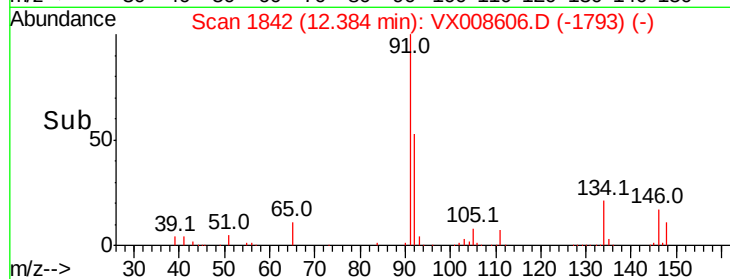
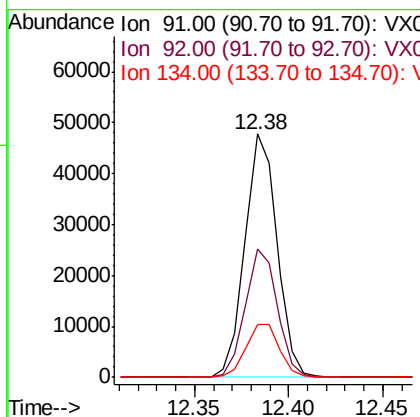
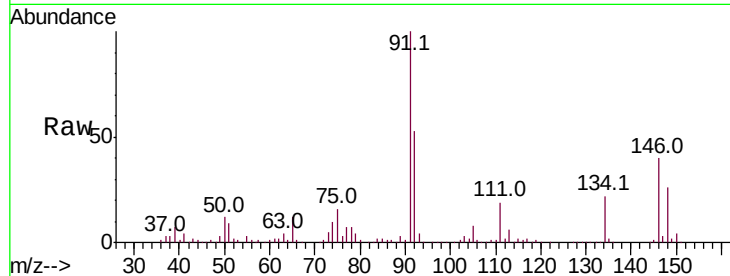
#89
n-Butylbenzene
Concen: 5.448 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	23.1	12.0	36.0

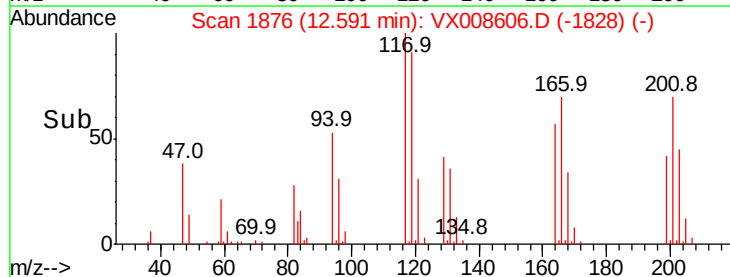
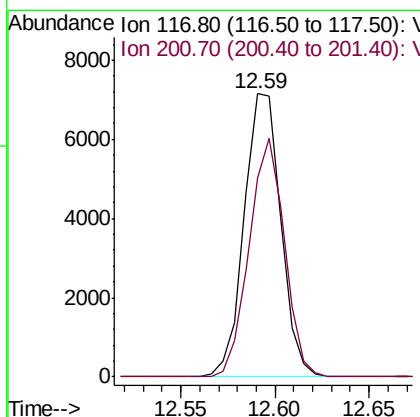
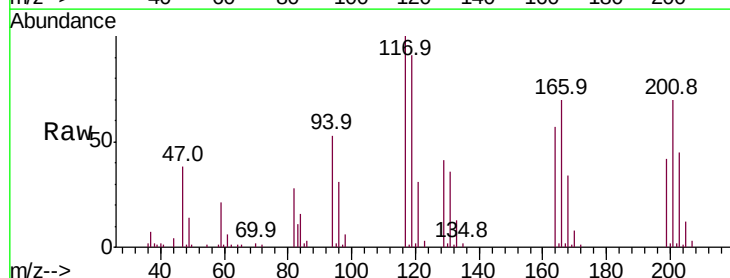
Manual Integrations
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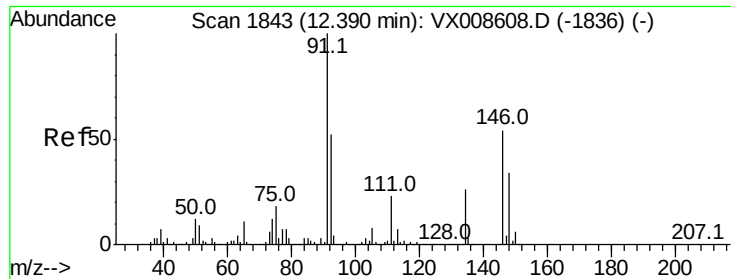
MMDadoda
4/4/2019 3:38:13 PM



#90
Hexachloroethane
Concen: 5.241 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX008606.D
Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.6	122.0





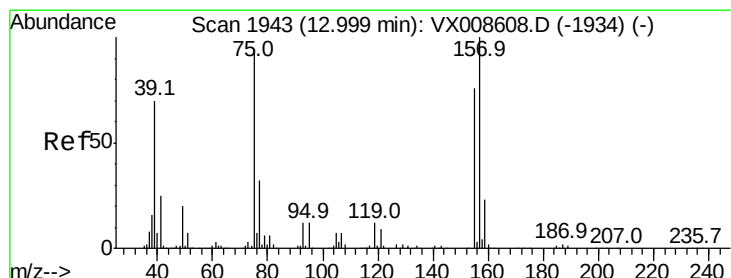
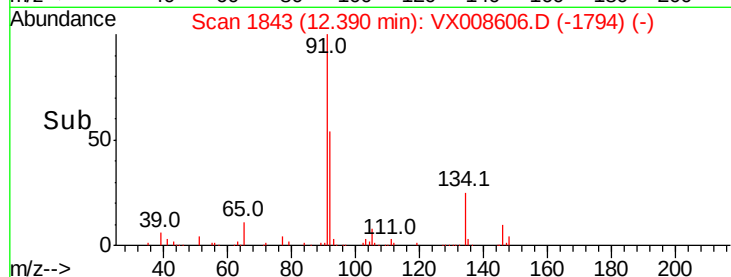
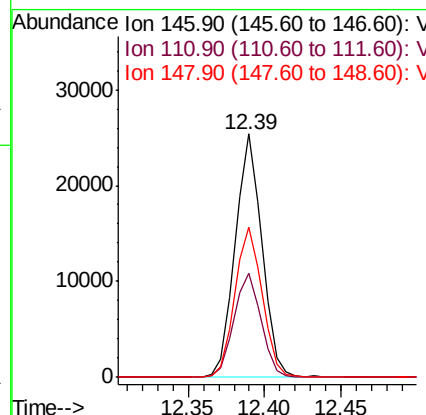
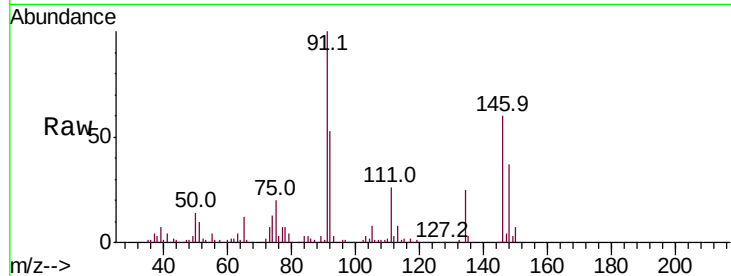
#91
 1,2-Dichlorobenzene
 Concen: 5.582 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	62.7	31.7	95.1

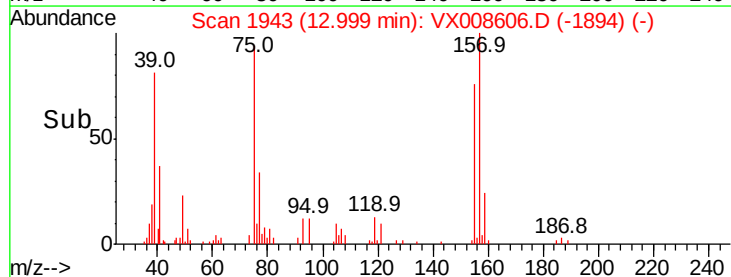
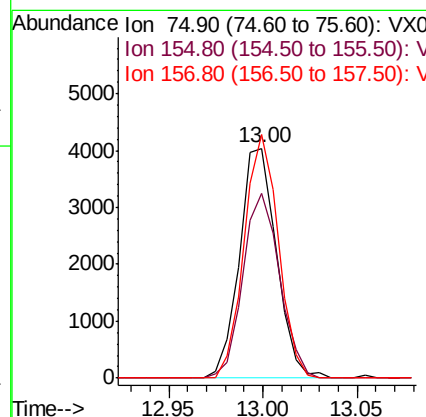
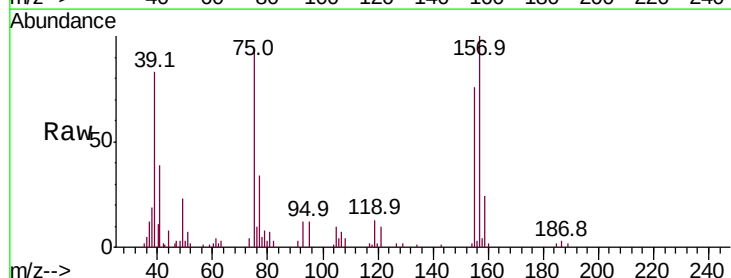
Manual Integrations
 APPROVED

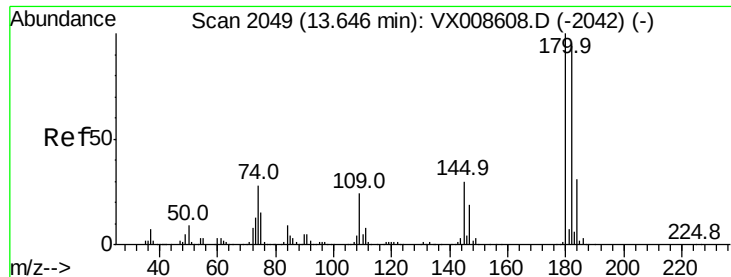
MMDadoda
 4/4/2019 3:38:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.100 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	39.9	119.6
157	97.8	51.5	154.7





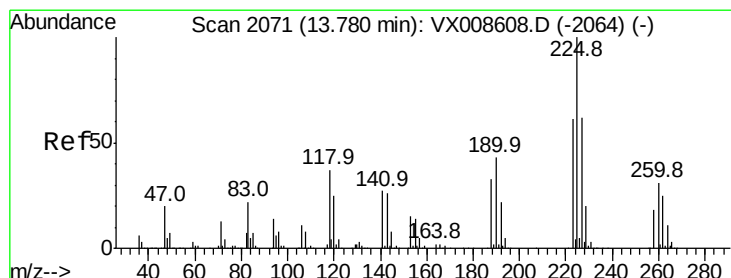
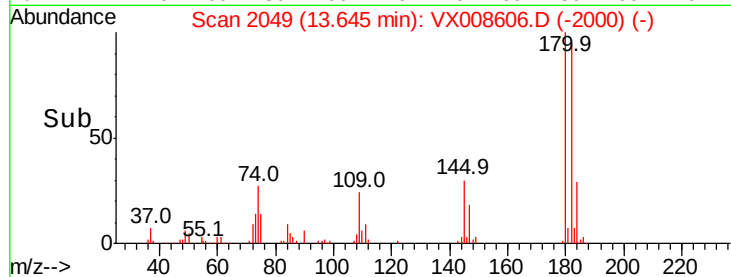
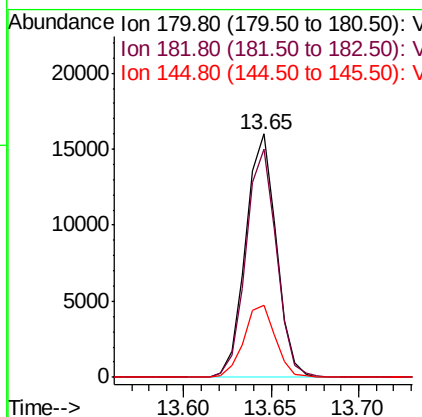
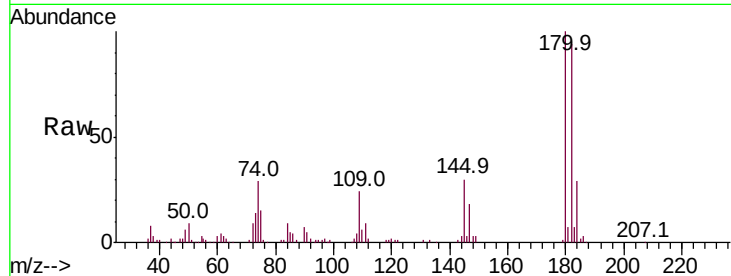
#93
 1,2,4-Trichlorobenzene
 Concen: 5.097 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	19536		
182	93.4	47.2	141.6	
145	30.5	15.3	45.9	

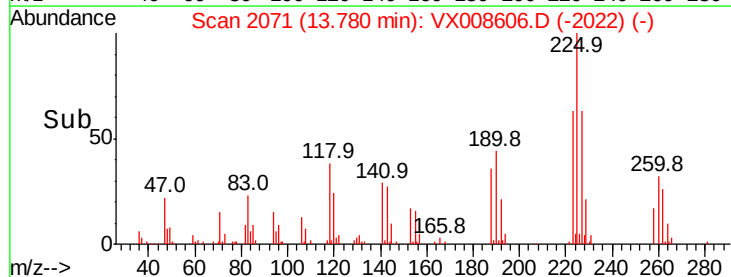
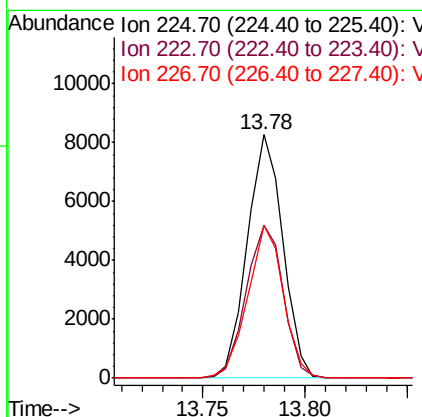
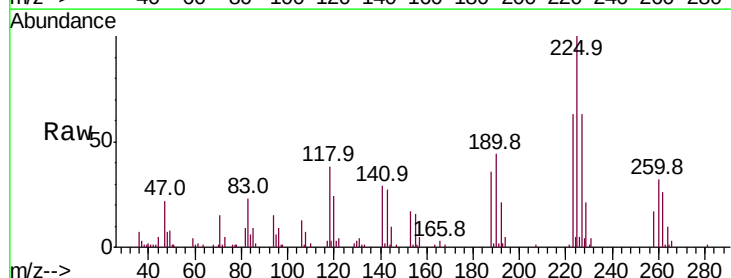
Manual Integrations
 APPROVED

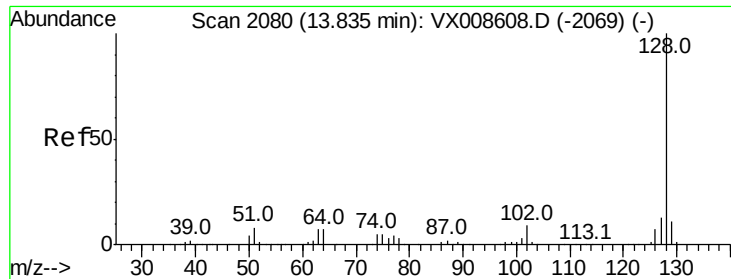
MMDadoda
 4/4/2019 3:38:13 PM



#94
 Hexachlorobutadiene
 Concen: 5.472 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008606.D
 Acq: 03 Apr 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10058		
223	65.2	31.2	93.6	
227	62.7	31.9	95.5	





#95

Naphthalene

Concen: 5.147 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 65925

Ion Ratio Lower Upper

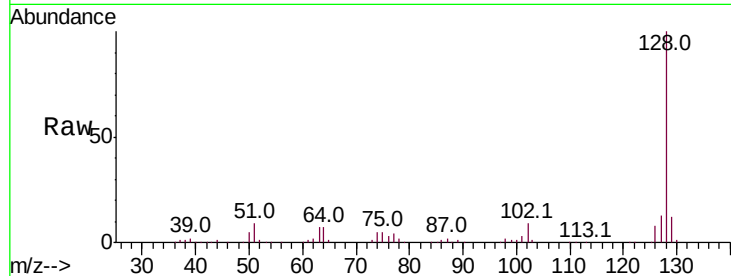
128 100

127 13.1 10.4 15.6

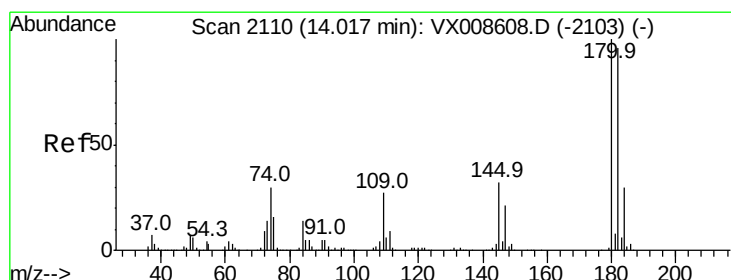
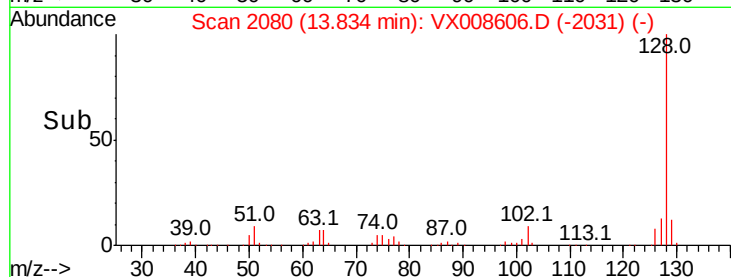
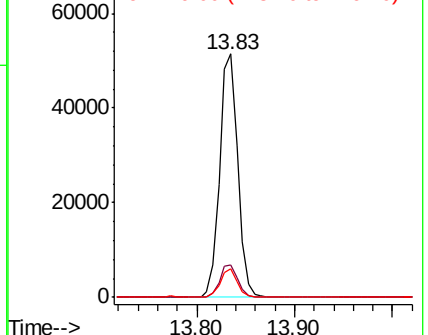
129 11.1 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
4/4/2019 3:38:13 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.270 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008606.D

Acq: 03 Apr 2019 09:56

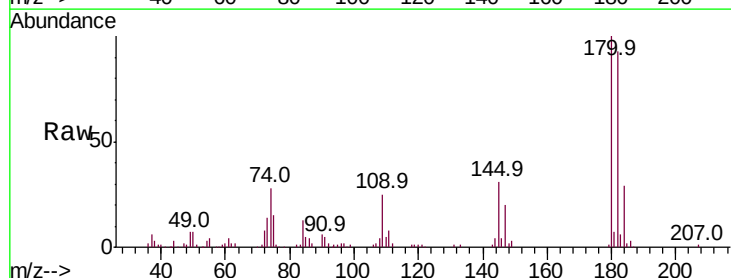
Tgt Ion:180 Resp: 20179

Ion Ratio Lower Upper

180 100

182 94.5 48.1 144.3

145 33.4 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

